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Cover Page

Order ID : Q2275

Project ID : Former Schlumberger STC PTC Site D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
Q2275-01	OW-08B-72.5-060925
Q2275-02	OW-08B-72.5-060925-SIM
Q2275-03	EB01-060925
Q2275-04	EB01-060925-SIM
Q2275-05	TB01-060925

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: 6/23/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q2275
Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:
5 Water samples were received on 06/10/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1, VOC-SIM, VOC-TRACE-SFAM and VOCMS Group3. This data package contains results for SVOC-SIMGroup1.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-SIMGroup1 was based on method 8270-Modified and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for,
EB01-060925 [Terphenyl-d14 - 134%]. This compound did not meet the NJDKQP criteria but met the in-house criteria.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria.
The Blank Spike met requirements for all samples.
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount

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for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2275**

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

QA Review Signature: **SOHIL JODHANI** **Date:** **06/23/2025**

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LAB CHRONICLE

OrderID:	Q2275	**OrderDate:**	6/10/2025 11:03:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2275-01	**OW-08B-72.5-060925**	**Water**			**06/08/25**			**06/10/25**
			SVOC-SIMGroup1	8270-Modified		06/10/25	06/13/25	
Q2275-03	**EB01-060925**	**Water**			**06/08/25**			**06/10/25**
			SVOC-SIMGroup1	8270-Modified		06/10/25	06/13/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2275

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :			**0.00**		
			Total Concentration:			**0.00**		

QC
SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2275

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168391BL	PB168391BL	2-Methylnaphthalene-d10	0.4	0.32	81		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.41	103		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.26	64		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.28	69		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.35	88		30 (54)	130 (175)
PB168391BS	PB168391BS	2-Methylnaphthalene-d10	0.4	0.39	97		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.34	85		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	90		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.37	92		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.37	93		30 (54)	130 (175)
PB168391BSD	PB168391BSD	2-Methylnaphthalene-d10	0.4	0.37	91		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.34	85		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.35	86		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.38	95		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.37	92		30 (54)	130 (175)
Q2275-01	OW-08B-72.5-060925	2-Methylnaphthalene-d10	0.4	0.33	83		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.39	97		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.26	66		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.37	92		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.46	115		30 (54)	130 (175)
Q2275-03	EB01-060925	2-Methylnaphthalene-d10	0.4	0.36	90		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.40	99		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.35	87		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.42	105		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.54	134	*	30 (54)	130 (175)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2275

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified **DataFile:** BN037236.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168391BS	1,4-Dioxane	0.4	0.39	ug/L	98				20 (65)	160 (116)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2275

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified **DataFile:** BN037237.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168391BSD	1,4-Dioxane	0.4	0.42	ug/L	105	7			20 (65)	160 (116)	20 (27)

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168391BL

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2275 SAS No.: Q2275 SDG NO.: Q2275

Lab File ID: BN037233.D Lab Sample ID: PB168391BL

Instrument ID: BNA_N Date Extracted: 06/10/2025

Matrix: (soil/water) Water Date Analyzed: 06/13/2025

Level: (low/med) LOW Time Analyzed: 19:00

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168391BS	PB168391BS	BN037236.D	06/13/2025
OW-08B-72.5-060925	Q2275-01	BN037234.D	06/13/2025
EB01-060925	Q2275-03	BN037235.D	06/13/2025
PB168391BSD	PB168391BSD	BN037237.D	06/13/2025

COMMENTS:

Raw Data: **BN037223.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: Q2275 SDG NO.: Q2275

Lab File ID: BN037223.D DFTPP Injection Date: 06/13/2025

Instrument ID: BNA_N DFTPP Injection Time: 11:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.1) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.3 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	5.3
441	Present, but less than mass 443	90.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	12.6 (20.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN037225.D	06/13/2025	13:33
SSTDICC0.2	SSTDICC0.2	BN037226.D	06/13/2025	14:10
SSTDICCC0.4	SSTDICCC0.4	BN037227.D	06/13/2025	14:46
SSTDICC0.8	SSTDICC0.8	BN037228.D	06/13/2025	15:22
SSTDICC1.6	SSTDICC1.6	BN037229.D	06/13/2025	15:59
SSTDICC3.2	SSTDICC3.2	BN037230.D	06/13/2025	16:35
SSTDICC5.0	SSTDICC5.0	BN037231.D	06/13/2025	17:11
PB168391BL	PB168391BL	BN037233.D	06/13/2025	19:00
OW-08B-72.5-060925	Q2275-01	BN037234.D	06/13/2025	19:36
EB01-060925	Q2275-03	BN037235.D	06/13/2025	20:12
PB168391BS	PB168391BS	BN037236.D	06/13/2025	20:49
PB168391BSD	PB168391BSD	BN037237.D	06/13/2025	21:25

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2275 SAS No.: Q2275 SDG NO.: Q2275

EPA Sample No.: SSTDICCC0.4 Date Analyzed: 06/13/2025

Lab File ID: BN037227.D Time Analyzed: 14:46

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	1287	7.575	3210	10.36	1738	14.22
	UPPER LIMIT	2574	8.075	6420	10.861	3476	14.724
	LOWER LIMIT	643.5	7.075	1605	9.861	869	13.724
	EPA SAMPLE NO.						
01	EB01-060925	1109	7.58	2598	10.35	1390	14.22
02	PB168391BS	1477	7.58	3518	10.35	1759	14.22
03	PB168391BSD	1340	7.58	3197	10.35	1517	14.22
04	PB168391BL	1036	7.58	2301	10.37	1224	14.23
05	OW-08B-72.5-060925	870	7.58	2210	10.36	1250	14.22

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2275 SAS No.: Q2275 SDG NO.: Q2275

EPA Sample No.: SSTDICCC0.4 Date Analyzed: 06/13/2025

Lab File ID: BN037227.D Time Analyzed: 14:46

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	3195	16.971	2284	21.179	2150	23.365
	UPPER LIMIT	6390	17.471	4568	21.679	4300	23.865
	LOWER LIMIT	1597.5	16.471	1142	20.679	1075	22.865
	EPA SAMPLE NO.						
01	EB01-060925	2444	16.97	1856	21.17	1968	23.36
02	PB168391BS	2958	16.97	2090	21.17	1978	23.36
03	PB168391BSD	2544	16.97	1864	21.17	1823	23.36
04	PB168391BL	1841	17.00	1578	21.18	1599	23.37
05	OW-08B-72.5-060925	2268	16.97	1766	21.17	1823	23.36

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

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

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

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SAMPLE DATA

Raw Data: **BN037234.D**

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/08/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/10/25
Client Sample ID:	OW-08B-72.5-060925	SDG No.:	Q2275
Lab Sample ID:	Q2275-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037234.D	1	06/10/25 12:20	06/13/25 19:36	PB168391

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.33		30 (20) - 150 (139)	83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 (54) - 150 (157)	97%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		30 (27) - 130 (154)	66%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		30 (30) - 130 (155)	92%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		30 (54) - 130 (175)	115%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	870	7.582			
1146-65-2	Naphthalene-d8	2210	10.362			
15067-26-2	Acenaphthene-d10	1250	14.224			
1517-22-2	Phenanthrene-d10	2270	16.971			
1719-03-5	Chrysene-d12	1770	21.171			
1520-96-3	Perylene-d12	1820	23.36			

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\BN061325\
Data File : BN037234.D
Acq On : 13 Jun 2025 19:36
Operator : RC/JU
Sample : Q2275-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-060925

Quant Time: Jun 13 23:00:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration

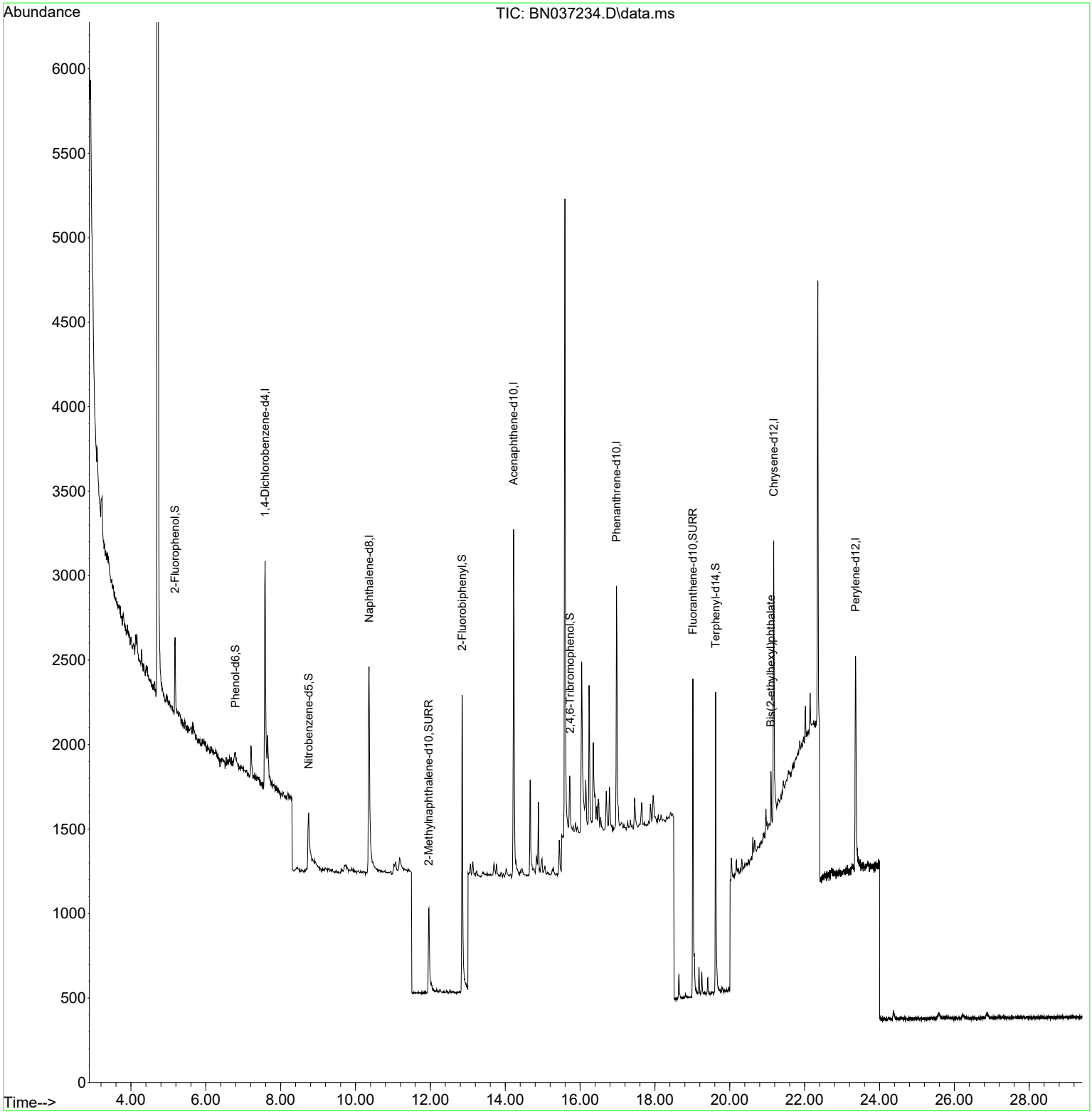
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.582	152	870	0.400	ng	0.00
7) Naphthalene-d8	10.362	136	2210	0.400	ng	# 0.00
13) Acenaphthene-d10	14.224	164	1250	0.400	ng	0.00
19) Phenanthrene-d10	16.971	188	2268	0.400	ng	0.00
29) Chrysene-d12	21.171	240	1766	0.400	ng	# 0.00
35) Perylene-d12	23.360	264	1823	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	342	0.160	ng	0.00
5) Phenol-d6	6.788	99	178	0.079	ng	0.03
8) Nitrobenzene-d5	8.749	82	575	0.263	ng	0.02
11) 2-Methylnaphthalene-d10	11.955	152	978	0.330	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	219	0.422	ng	0.00
15) 2-Fluorobiphenyl	12.848	172	1931	0.368	ng	0.00
27) Fluoranthene-d10	19.012	212	2315	0.390	ng	0.00
31) Terphenyl-d14	19.621	244	1835	0.460	ng	0.00
Target Compounds						Qvalue
34) Bis(2-ethylhexyl)phtha...	21.099	149	325	0.073	ng	# 92

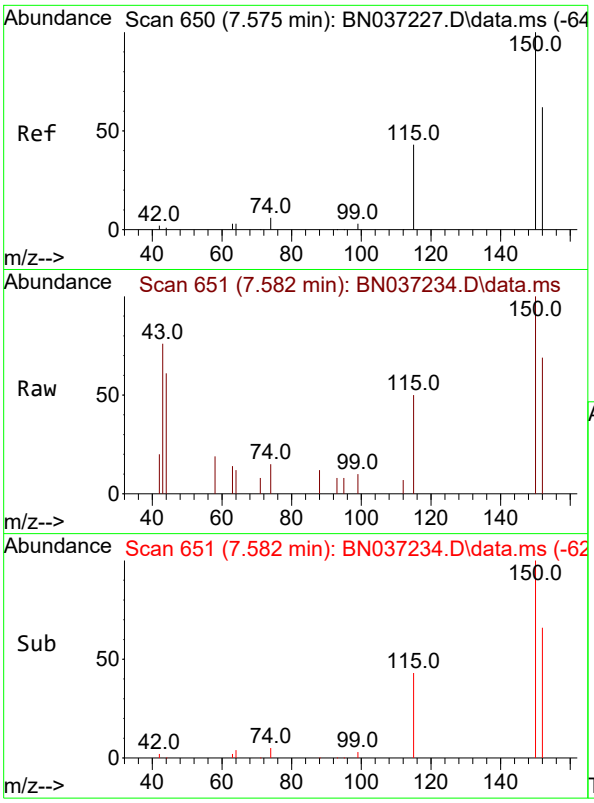
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037234.D
Acq On : 13 Jun 2025 19:36
Operator : RC/JU
Sample : Q2275-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-060925

Quant Time: Jun 13 23:00:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration



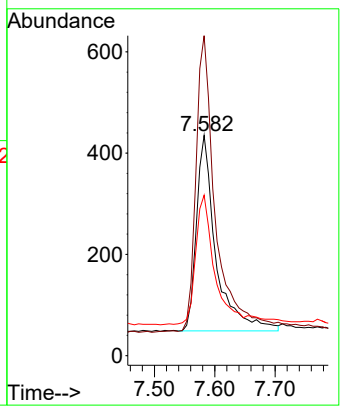


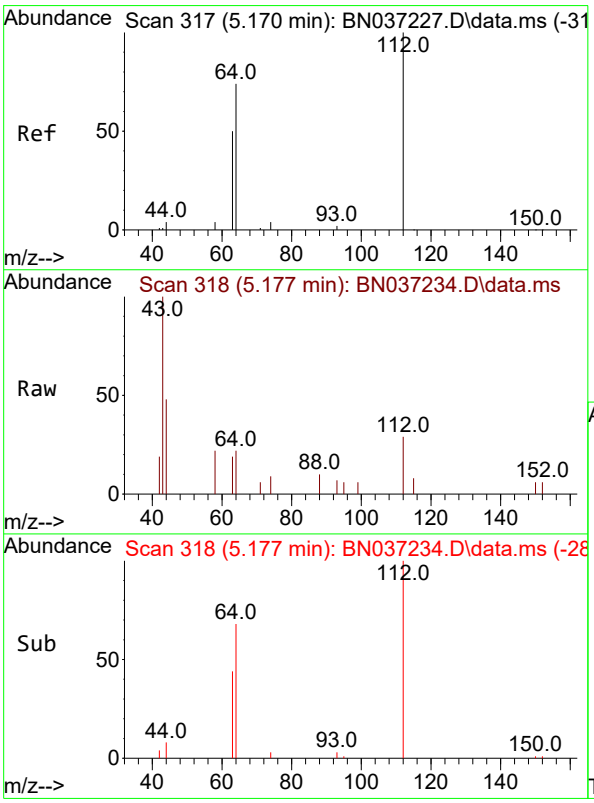
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.582 min Scan# 6
Delta R.T. 0.007 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-060925

Tgt Ion:152 Resp: 870

Ion	Ratio	Lower	Upper
152	100		
150	145.3	125.2	187.8
115	72.9	58.4	87.6

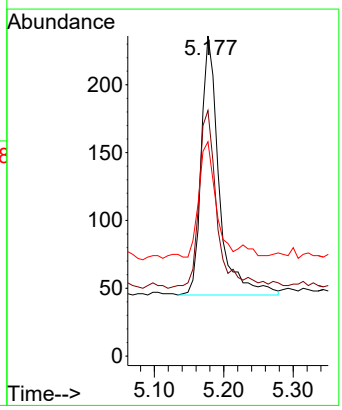


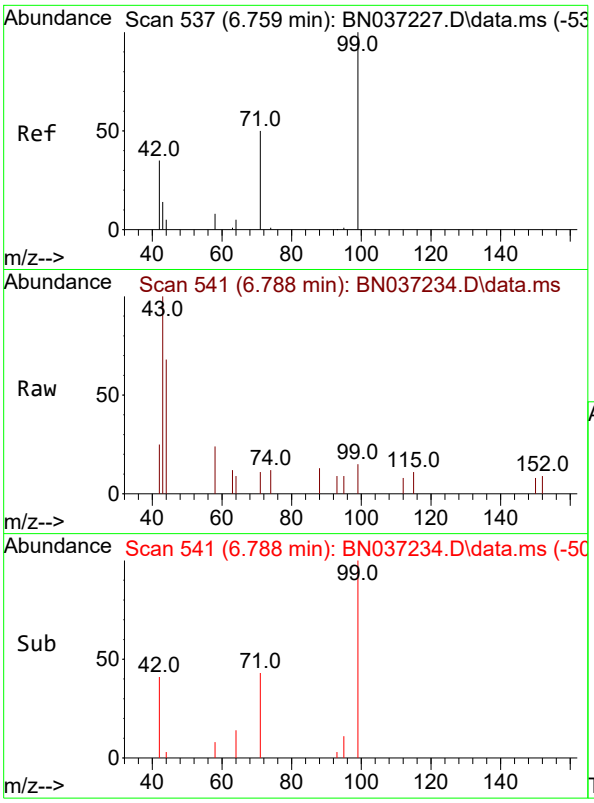


#4
2-Fluorophenol
Concen: 0.160 ng
RT: 5.177 min Scan# 318
Delta R.T. 0.007 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

Tgt Ion:112 Resp: 342

Ion	Ratio	Lower	Upper
112	100		
64	70.2	57.2	85.8
63	41.2	39.8	59.6



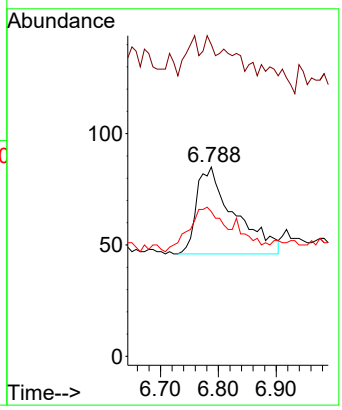


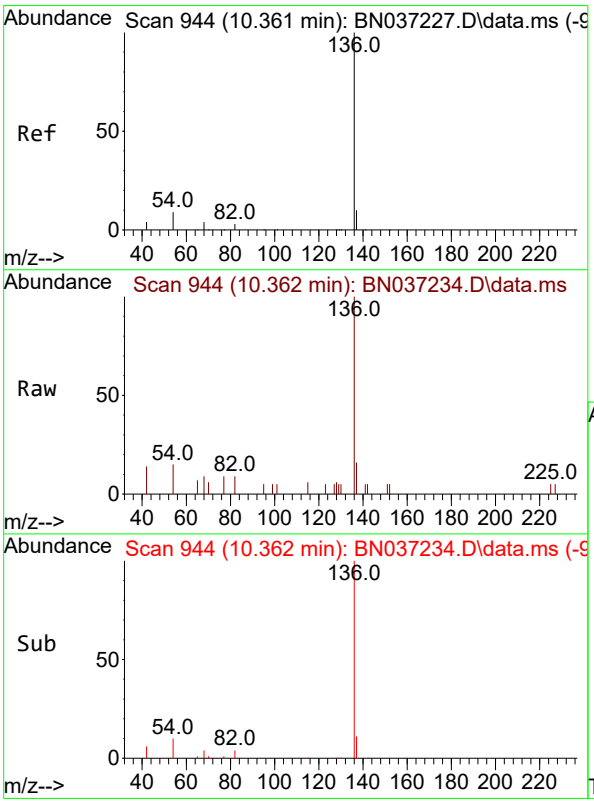
#5
Phenol-d6
Concen: 0.079 ng
RT: 6.788 min Scan# 54
Delta R.T. 0.029 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-060925

Tgt Ion: 99 Resp: 178

Ion	Ratio	Lower	Upper
99	100		
42	0.0	36.2	54.4#
71	43.3	42.4	63.6

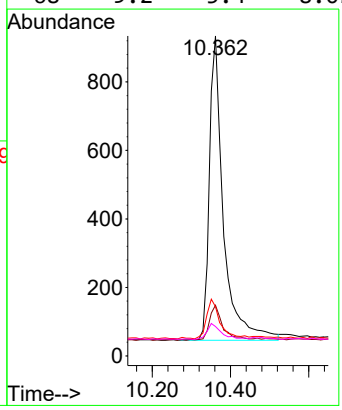


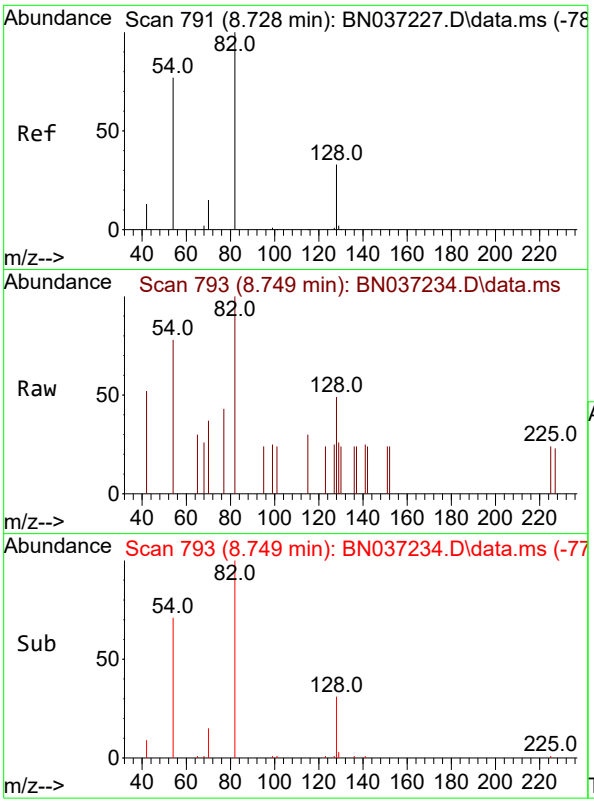


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.362 min Scan# 944
Delta R.T. 0.000 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

Tgt Ion:136 Resp: 2210

Ion	Ratio	Lower	Upper
136	100		
137	15.8	10.6	15.8#
54	15.4	9.2	13.8#
68	9.2	5.4	8.0#



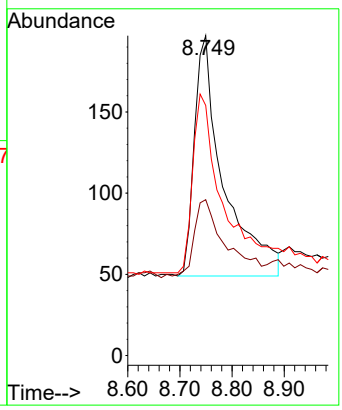


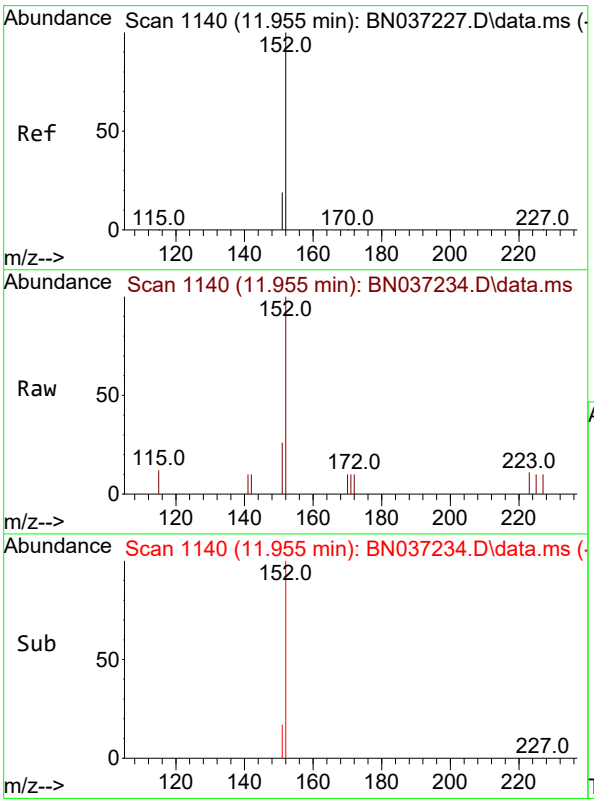
#8
Nitrobenzene-d5
Concen: 0.263 ng
RT: 8.749 min Scan# 7
Delta R.T. 0.022 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-060925

Tgt Ion: 82 Resp: 575

Ion	Ratio	Lower	Upper
82	100		
128	48.7	31.2	46.8#
54	78.2	63.3	94.9

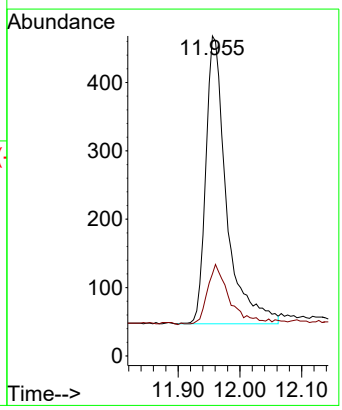


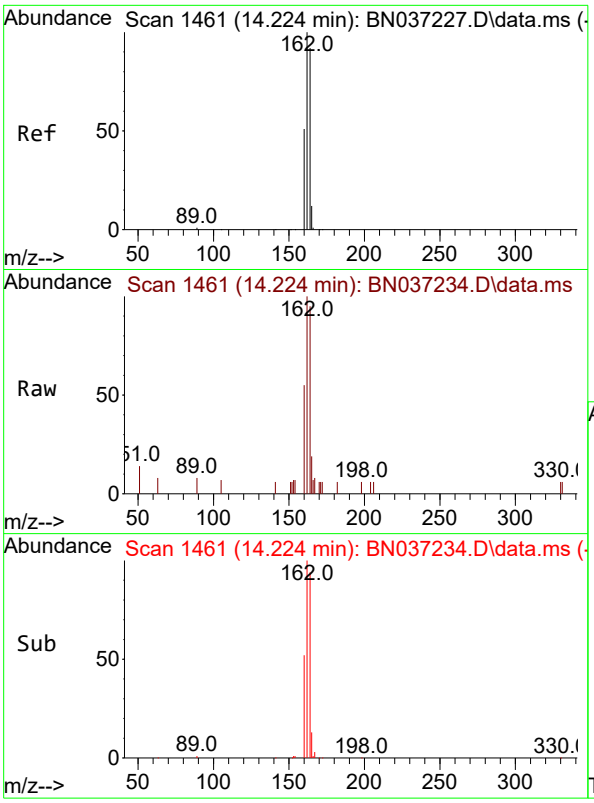


#11
2-Methylnaphthalene-d10
Concen: 0.330 ng
RT: 11.955 min Scan# 1140
Delta R.T. 0.000 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

Tgt Ion:152 Resp: 978

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.9	26.9



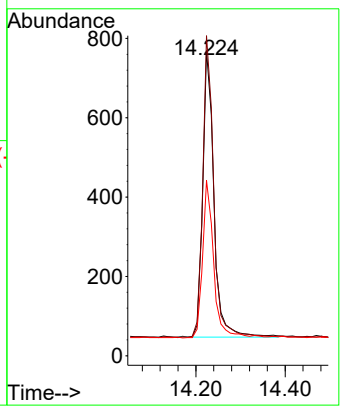


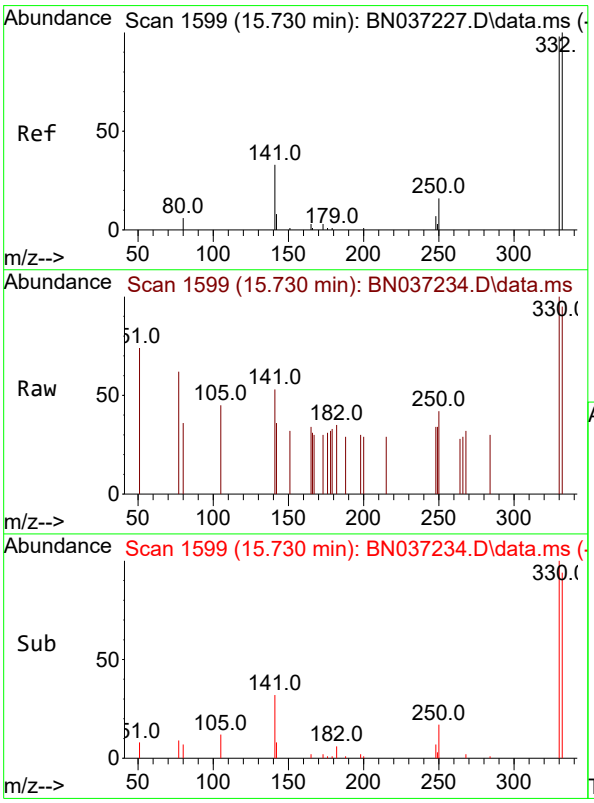
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-060925

Tgt Ion:164 Resp: 1250

Ion	Ratio	Lower	Upper
164	100		
162	104.9	86.7	130.1
160	57.5	45.8	68.6

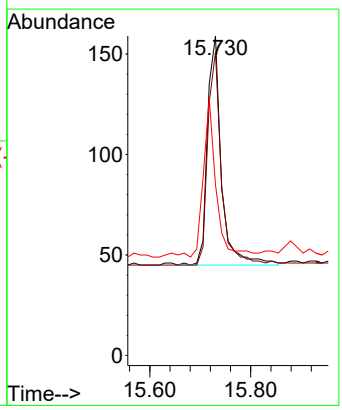


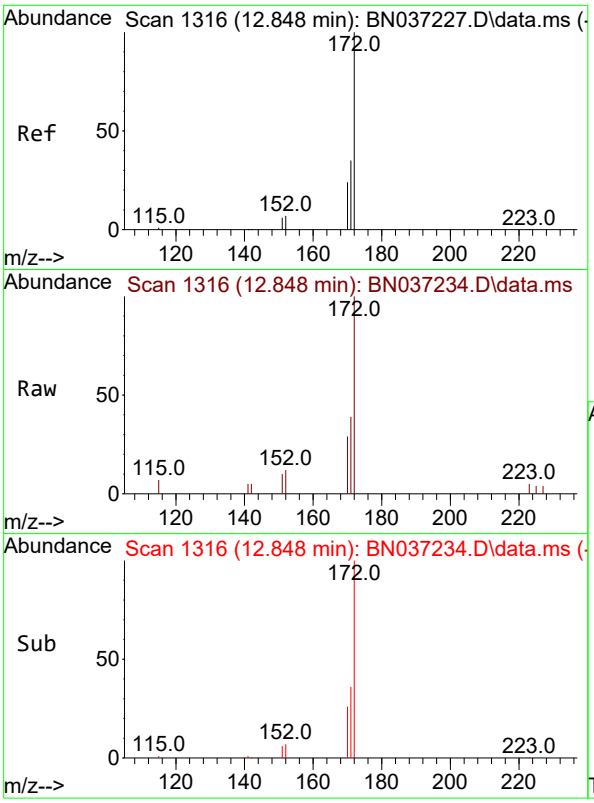


#14
2,4,6-Tribromophenol
Concen: 0.422 ng
RT: 15.730 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

Tgt Ion:330 Resp: 219

Ion	Ratio	Lower	Upper
330	100		
332	91.8	74.9	112.3
141	63.0	45.1	67.7



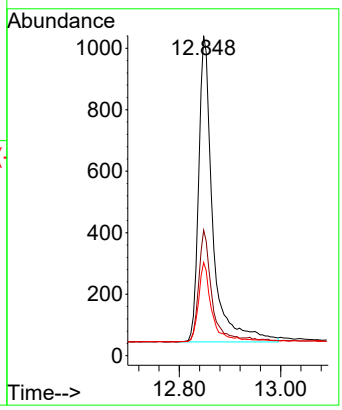


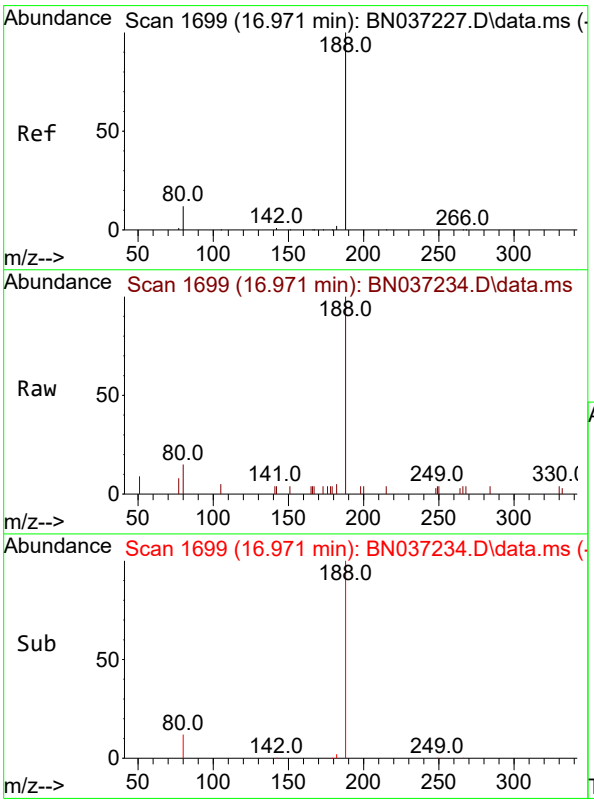
#15
2-Fluorobiphenyl
Concen: 0.368 ng
RT: 12.848 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-060925

Tgt Ion:172 Resp: 1931

Ion	Ratio	Lower	Upper
172	100		
171	39.3	29.8	44.8
170	29.1	21.1	31.7

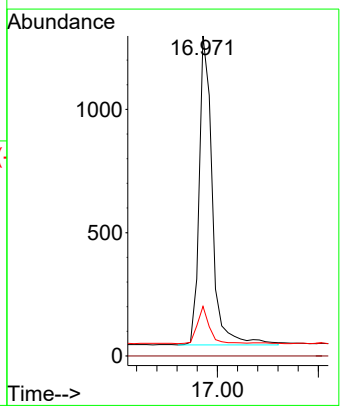


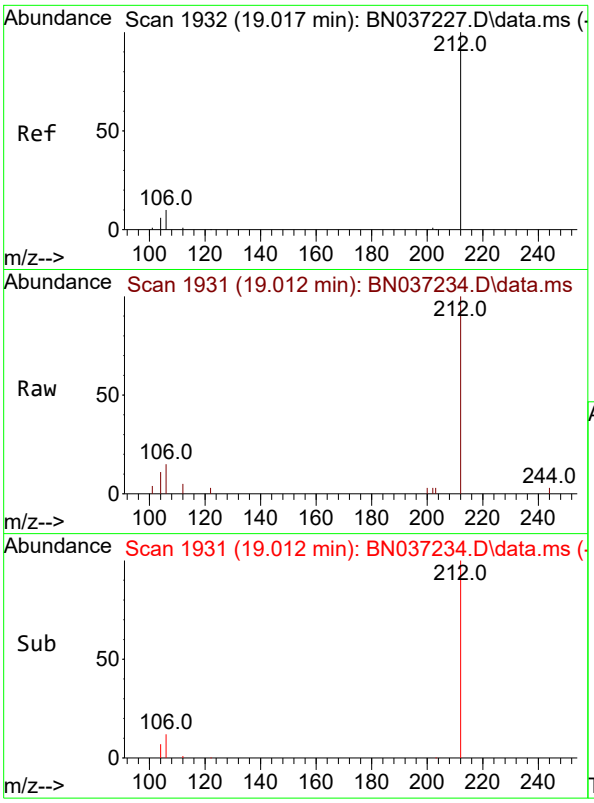


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

Tgt Ion:188 Resp: 2268

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.5	12.2	18.4



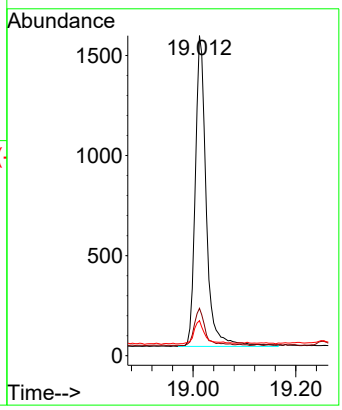


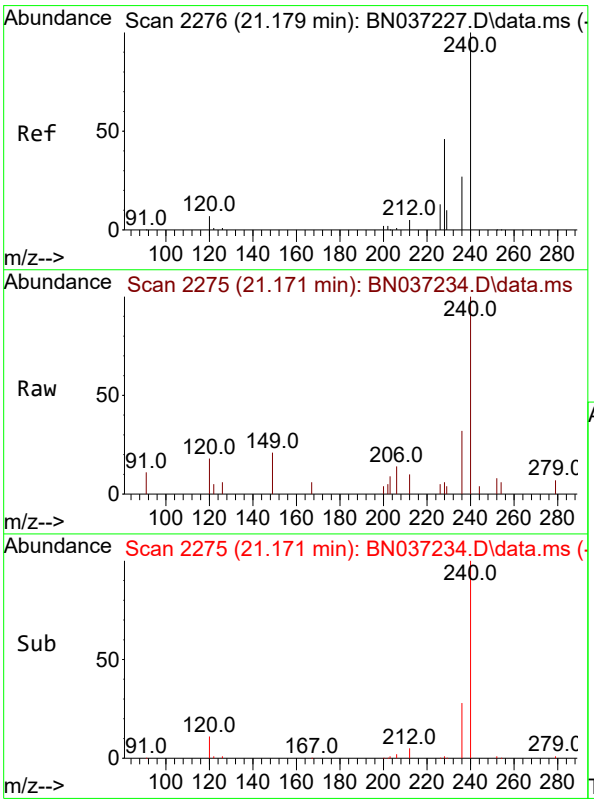
#27
Fluoranthene-d10
Concen: 0.390 ng
RT: 19.012 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-060925

Tgt Ion:212 Resp: 2315

Ion	Ratio	Lower	Upper
212	100		
106	12.1	9.3	13.9
104	7.5	5.7	8.5

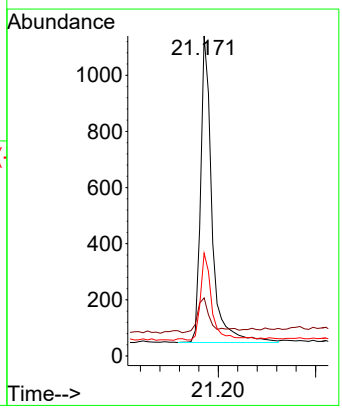


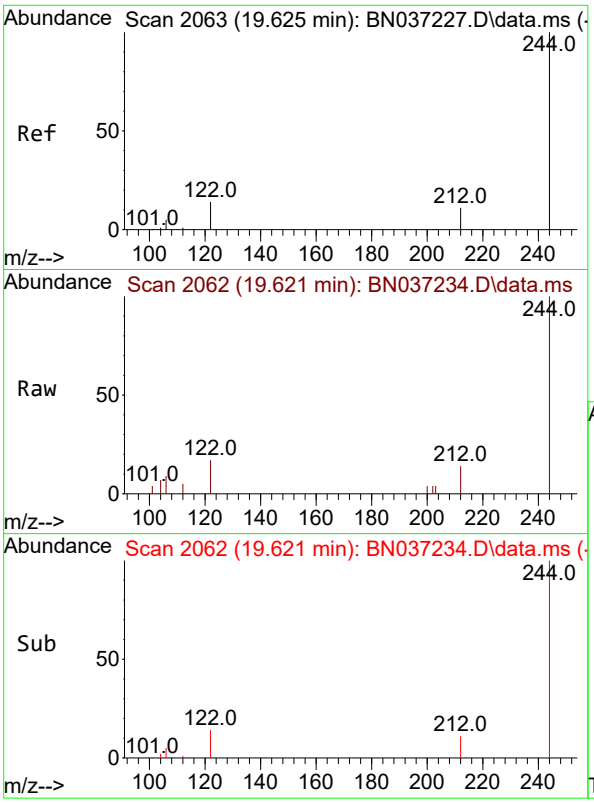


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.009 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

Tgt Ion:240 Resp: 1766

Ion	Ratio	Lower	Upper
240	100		
120	18.2	11.3	16.9#
236	32.1	24.4	36.6



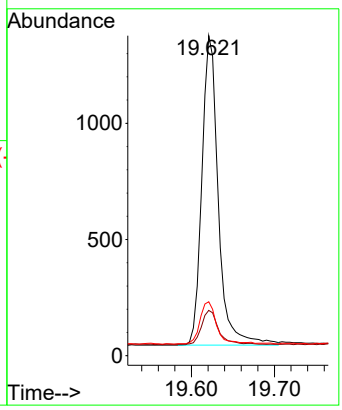


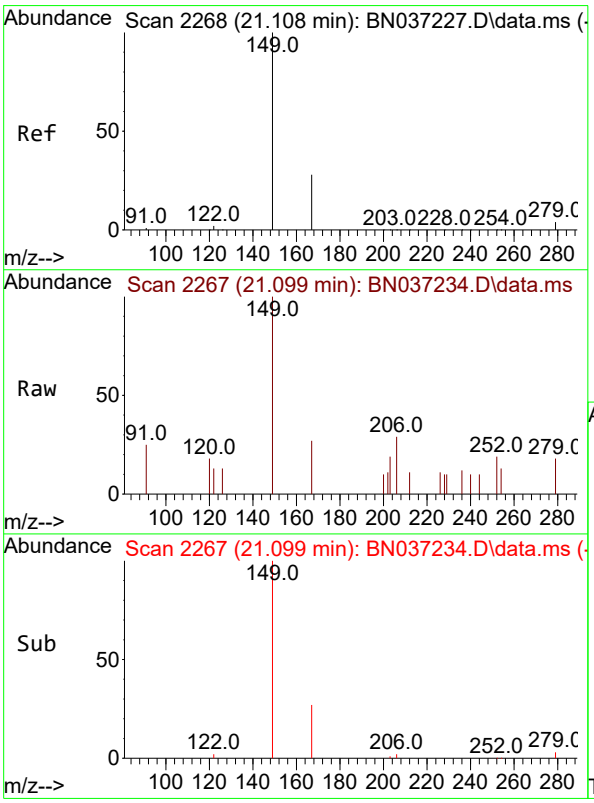
#31
Terphenyl-d14
Concen: 0.460 ng
RT: 19.621 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-060925

Tgt Ion:244 Resp: 1835

Ion	Ratio	Lower	Upper
244	100		
212	14.2	12.2	18.2
122	16.8	14.3	21.5

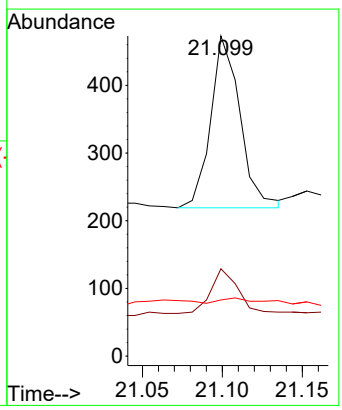


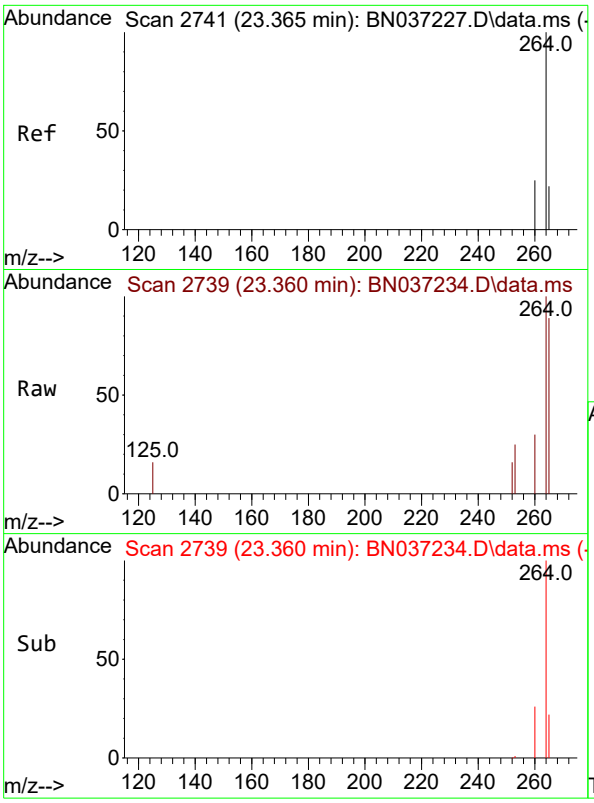


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.073 ng
RT: 21.099 min Scan# 2267
Delta R.T. -0.009 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

Tgt Ion:149 Resp: 325

Ion	Ratio	Lower	Upper
149	100		
167	30.8	21.3	31.9
279	7.4	3.3	4.9#



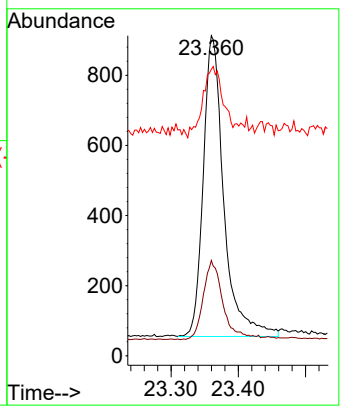


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.360 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-060925

Tgt Ion:264 Resp: 1823

Ion	Ratio	Lower	Upper
264	100		
260	29.8	22.8	34.2
265	89.5	66.4	99.6



Raw Data: **BN037235.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/08/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/10/25
Client Sample ID:	EB01-060925	SDG No.:	Q2275
Lab Sample ID:	Q2275-03	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	890 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037235.D	1	06/10/25 12:20	06/13/25 20:12	PB168391

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.22	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.36		30 (20) - 150 (139)	90%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 (54) - 150 (157)	99%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		30 (27) - 130 (154)	87%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.42		30 (30) - 130 (155)	105%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.54	*	30 (54) - 130 (175)	134%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1110	7.582			
1146-65-2	Naphthalene-d8	2600	10.351			
15067-26-2	Acenaphthene-d10	1390	14.224			
1517-22-2	Phenanthrene-d10	2440	16.971			
1719-03-5	Chrysene-d12	1860	21.171			
1520-96-3	Perylene-d12	1970	23.36			

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\BN061325\
Data File : BN037235.D
Acq On : 13 Jun 2025 20:12
Operator : RC/JU
Sample : Q2275-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB01-060925

Quant Time: Jun 13 23:00:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration

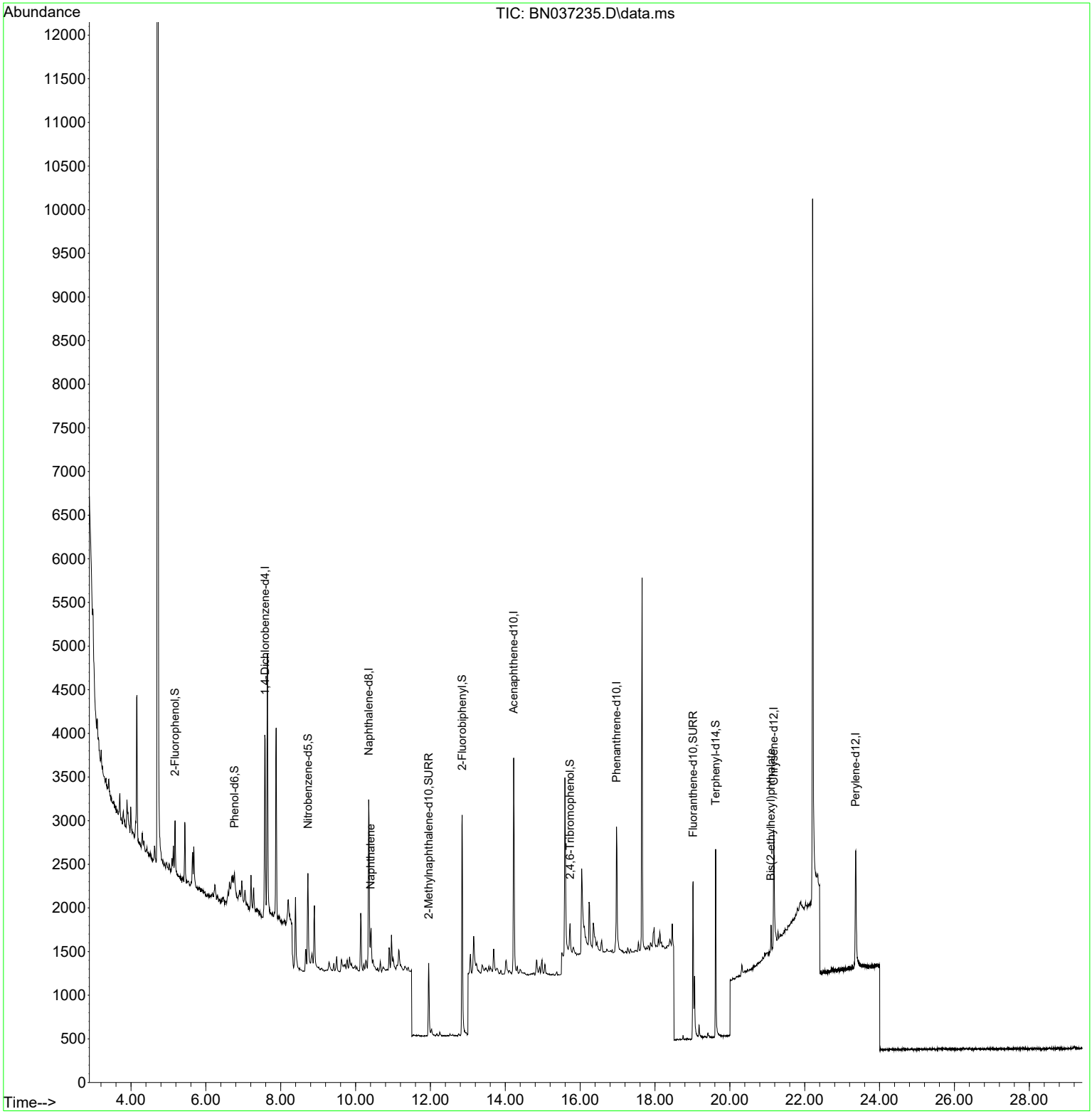
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.582	152	1109	0.400	ng	0.00
7) Naphthalene-d8	10.351	136	2598	0.400	ng	#-0.01
13) Acenaphthene-d10	14.224	164	1390	0.400	ng	0.00
19) Phenanthrene-d10	16.971	188	2444	0.400	ng	0.00
29) Chrysene-d12	21.171	240	1856	0.400	ng	# 0.00
35) Perylene-d12	23.360	264	1968	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	438	0.161	ng	0.00
5) Phenol-d6	6.766	99	254	0.088	ng	0.00
8) Nitrobenzene-d5	8.728	82	892	0.347	ng	0.00
11) 2-Methylnaphthalene-d10	11.955	152	1251	0.359	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	219	0.379	ng	0.00
15) 2-Fluorobiphenyl	12.848	172	2466	0.422	ng	0.00
27) Fluoranthene-d10	19.017	212	2540	0.397	ng	0.00
31) Terphenyl-d14	19.621	244	2249	0.536	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.404	128	215	0.029	ng	# 44
34) Bis(2-ethylhexyl)phtha...	21.099	149	313	0.067	ng	# 96

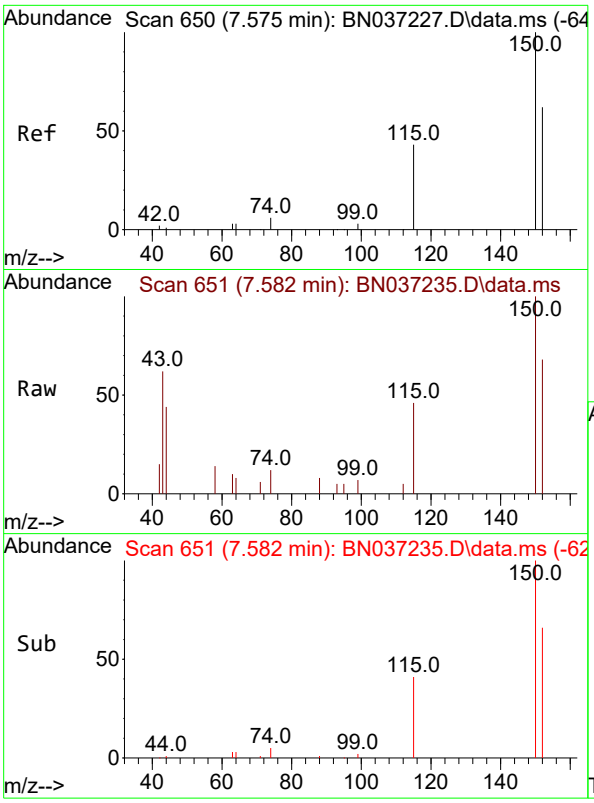
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037235.D
Acq On : 13 Jun 2025 20:12
Operator : RC/JU
Sample : Q2275-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB01-060925

Quant Time: Jun 13 23:00:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration



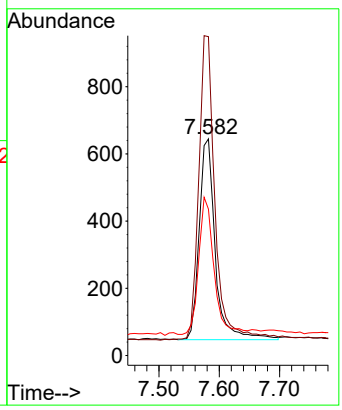


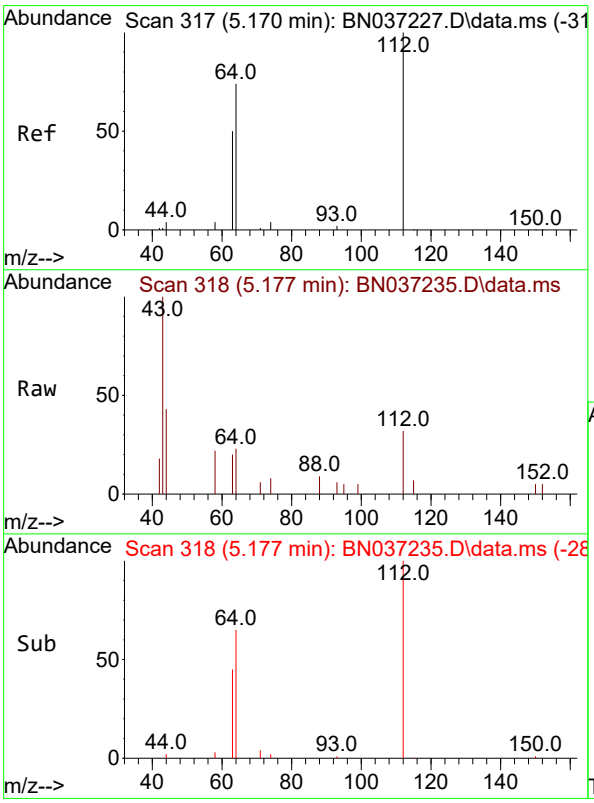
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.582 min Scan# 6
Delta R.T. 0.007 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

Instrument :
BNA_N
ClientSampleId :
EB01-060925

Tgt Ion:152 Resp: 1109

Ion	Ratio	Lower	Upper
152	100		
150	147.1	125.2	187.8
115	67.6	58.4	87.6

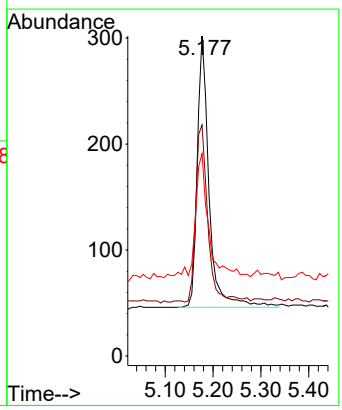


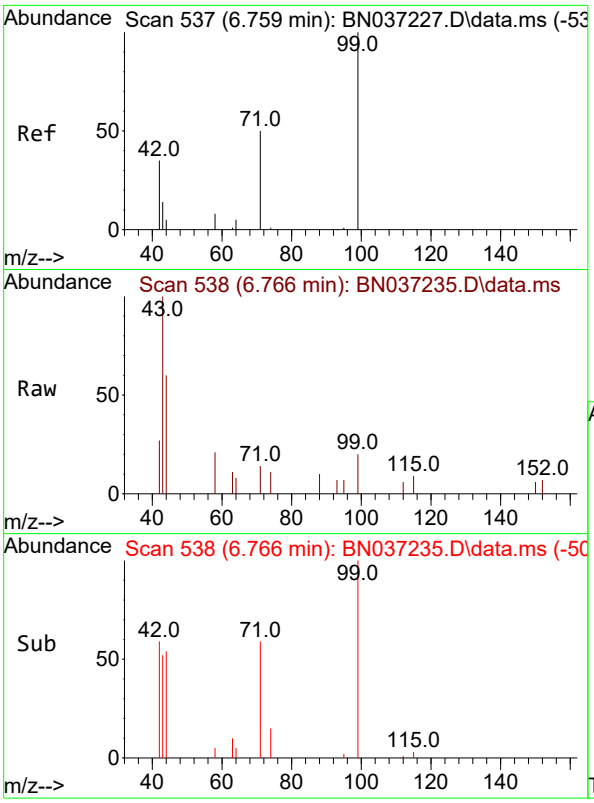


#4
2-Fluorophenol
Concen: 0.161 ng
RT: 5.177 min Scan# 318
Delta R.T. 0.007 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

Tgt Ion:112 Resp: 438

Ion	Ratio	Lower	Upper
112	100		
64	66.9	57.2	85.8
63	57.5	39.8	59.6



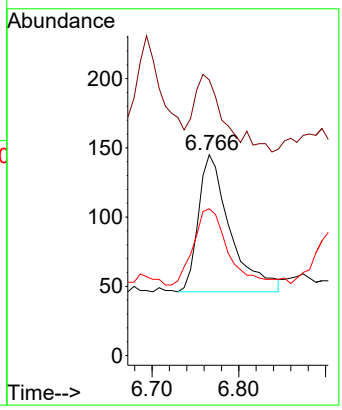


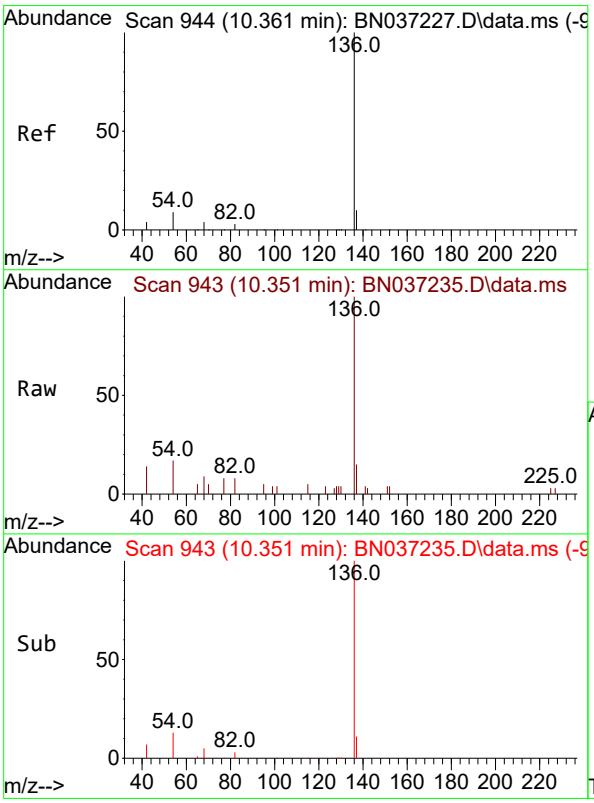
#5
Phenol-d6
Concen: 0.088 ng
RT: 6.766 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

Instrument :
BNA_N
ClientSampleId :
EB01-060925

Tgt Ion: 99 Resp: 254

Ion	Ratio	Lower	Upper
99	100		
42	53.1	36.2	54.4
71	61.0	42.4	63.6

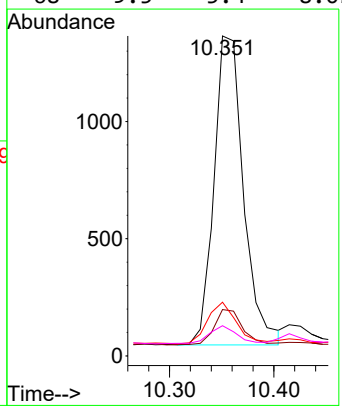


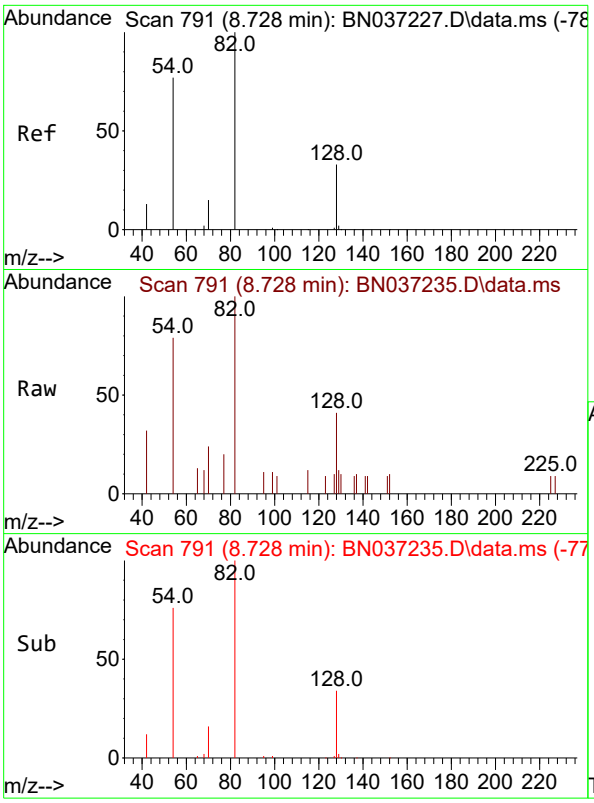


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 943
Delta R.T. -0.011 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

Tgt Ion:136 Resp: 2598

Ion	Ratio	Lower	Upper
136	100		
137	14.5	10.6	15.8
54	16.8	9.2	13.8#
68	9.5	5.4	8.0#



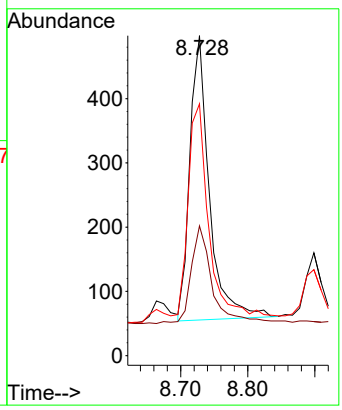


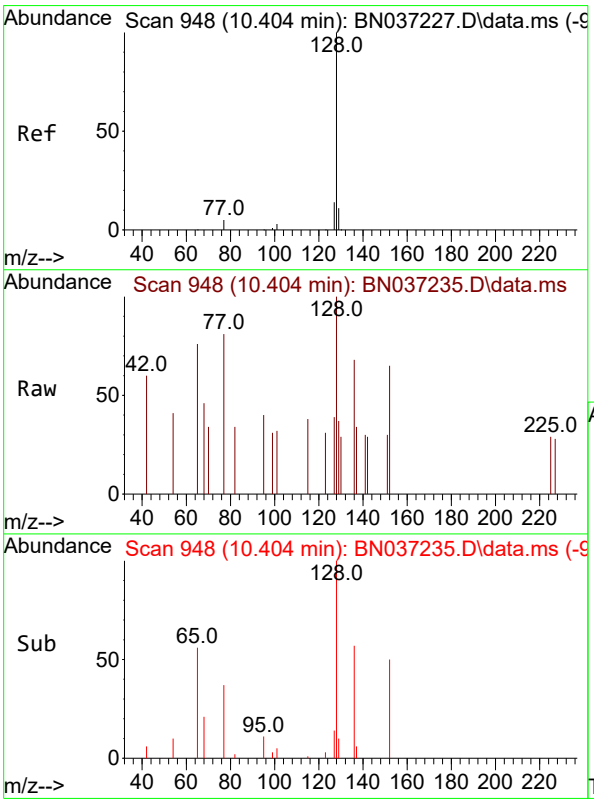
#8
Nitrobenzene-d5
Concen: 0.347 ng
RT: 8.728 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

Instrument :
BNA_N
ClientSampleId :
EB01-060925

Tgt Ion: 82 Resp: 892

Ion	Ratio	Lower	Upper
82	100		
128	40.6	31.2	46.8
54	78.7	63.3	94.9

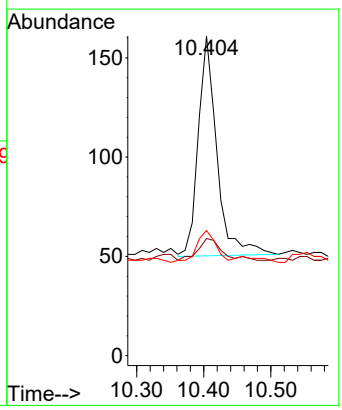


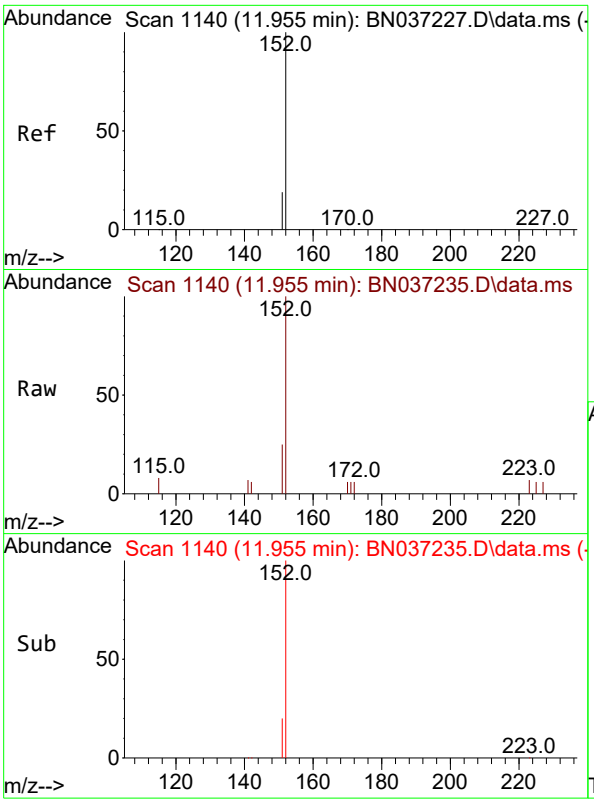


#9
Naphthalene
Concen: 0.029 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

Tgt Ion:128 Resp: 215

Ion	Ratio	Lower	Upper
128	100		
129	36.6	10.7	16.1#
127	39.1	12.6	19.0#



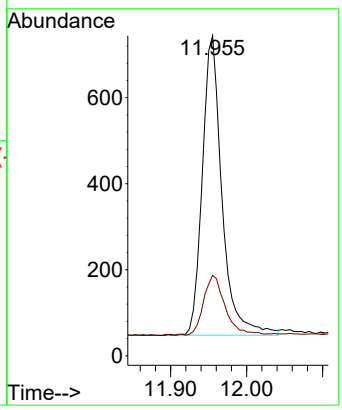


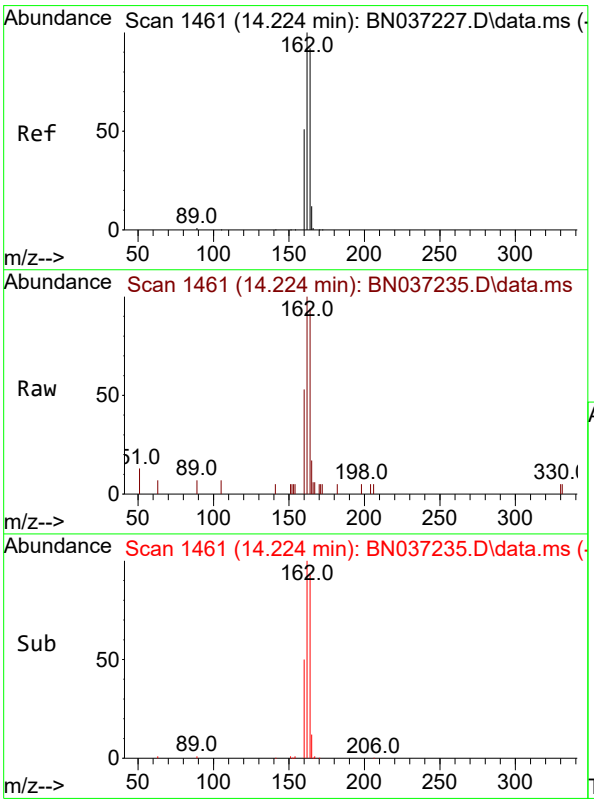
#11
2-Methylnaphthalene-d10
Concen: 0.359 ng
RT: 11.955 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

Instrument :
BNA_N
ClientSampleId :
EB01-060925

Tgt Ion:152 Resp: 1251

Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.9	26.9

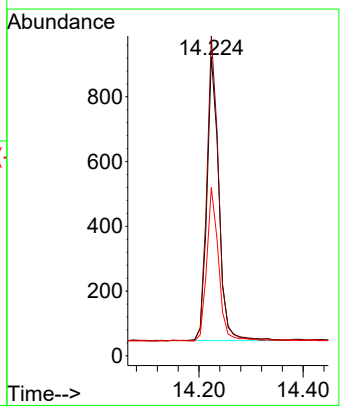


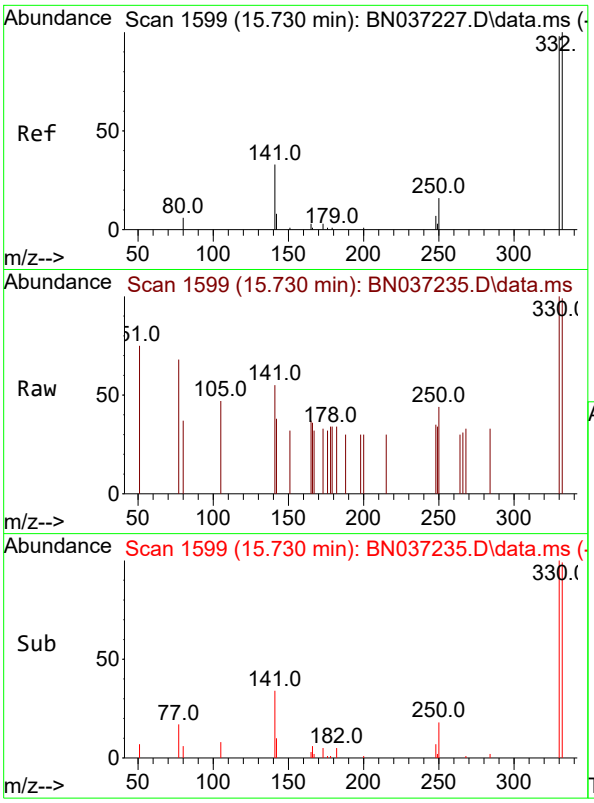


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

Tgt Ion:164 Resp: 1390

Ion	Ratio	Lower	Upper
164	100		
162	106.9	86.7	130.1
160	56.3	45.8	68.6



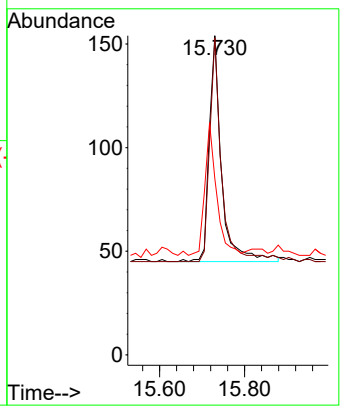


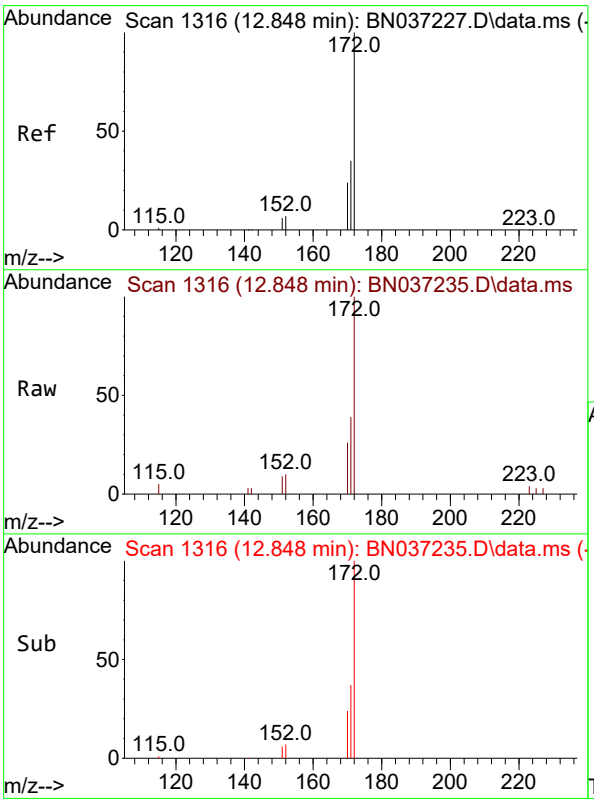
#14
2,4,6-Tribromophenol
Concen: 0.379 ng
RT: 15.730 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

Instrument :
BNA_N
ClientSampleId :
EB01-060925

Tgt Ion:330 Resp: 219

Ion	Ratio	Lower	Upper
330	100		
332	95.4	74.9	112.3
141	55.7	45.1	67.7

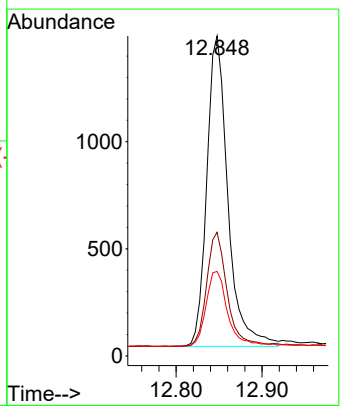


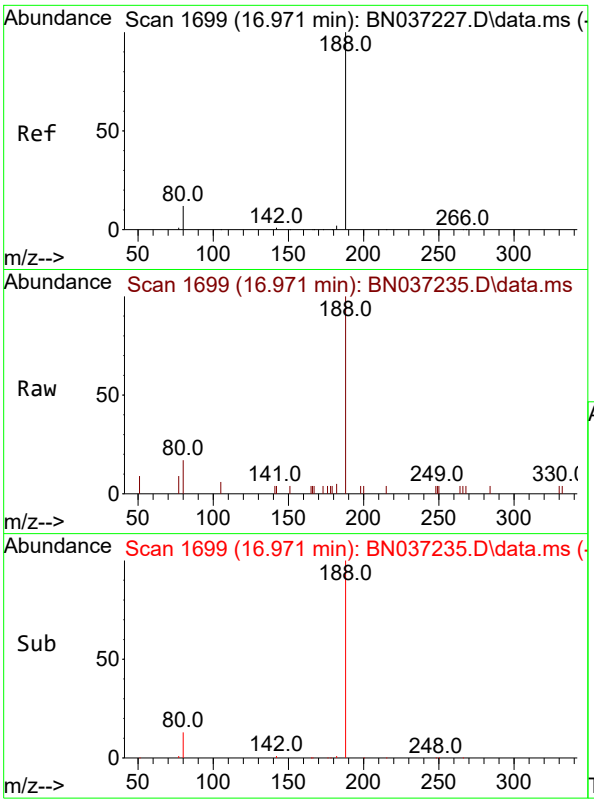


#15
2-Fluorobiphenyl
Concen: 0.422 ng
RT: 12.848 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

Tgt Ion:172 Resp: 2466

Ion	Ratio	Lower	Upper
172	100		
171	38.6	29.8	44.8
170	26.4	21.1	31.7



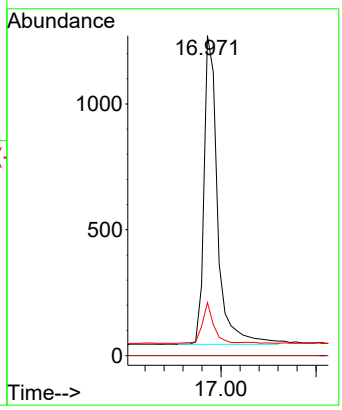


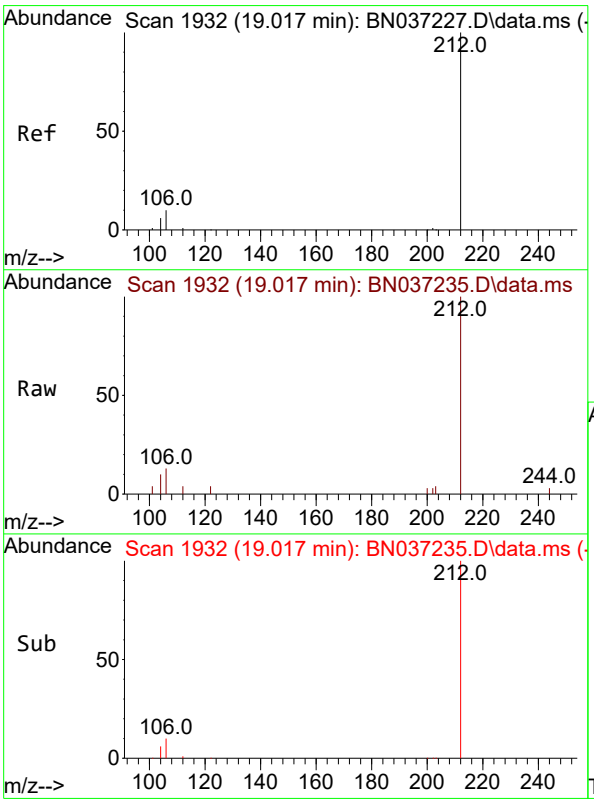
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

Instrument :
BNA_N
ClientSampleId :
EB01-060925

Tgt Ion:188 Resp: 2444

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	16.6	12.2	18.4

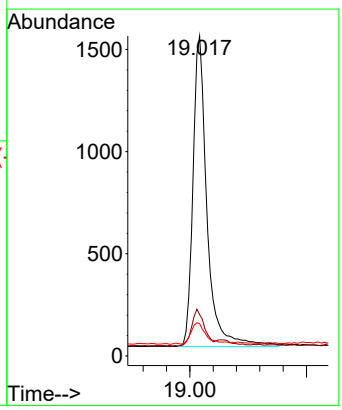


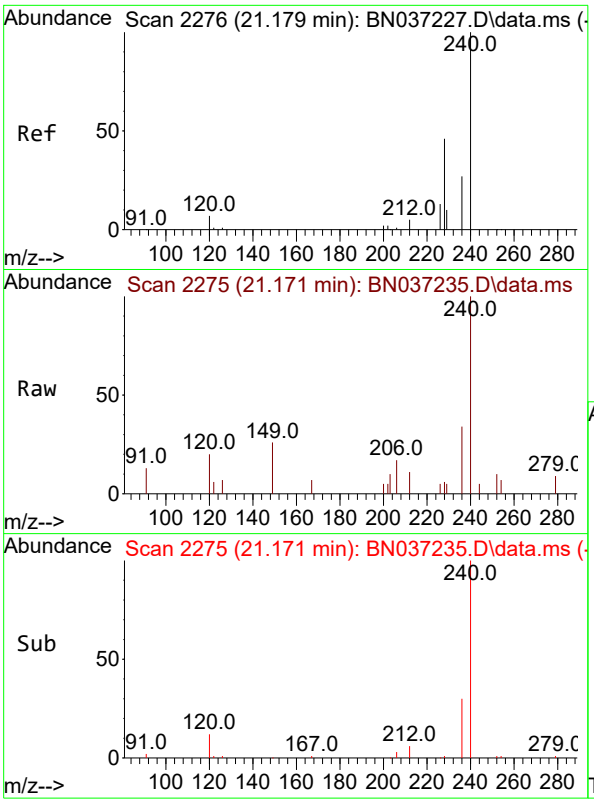


#27
Fluoranthene-d10
Concen: 0.397 ng
RT: 19.017 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

Tgt Ion:212 Resp: 2540

Ion	Ratio	Lower	Upper
212	100		
106	10.8	9.3	13.9
104	7.4	5.7	8.5



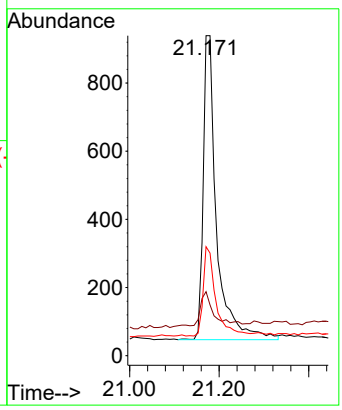


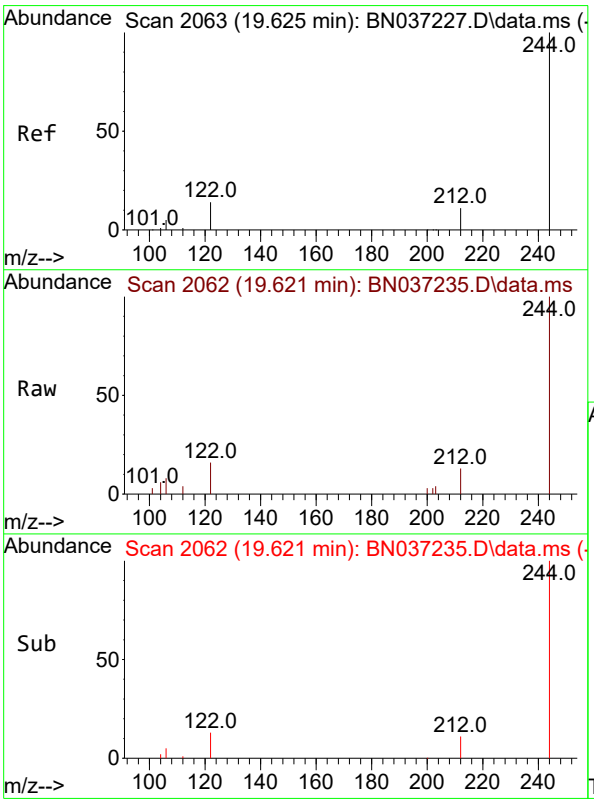
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.171 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

Instrument :
BNA_N
ClientSampleId :
EB01-060925

Tgt Ion:240 Resp: 1856

Ion	Ratio	Lower	Upper
240	100		
120	20.0	11.3	16.9#
236	34.1	24.4	36.6

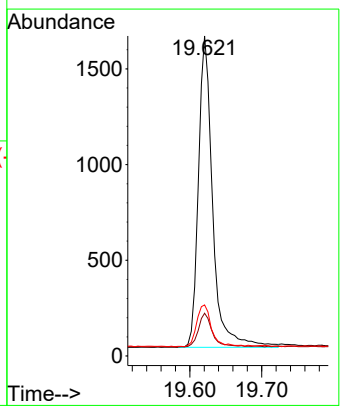


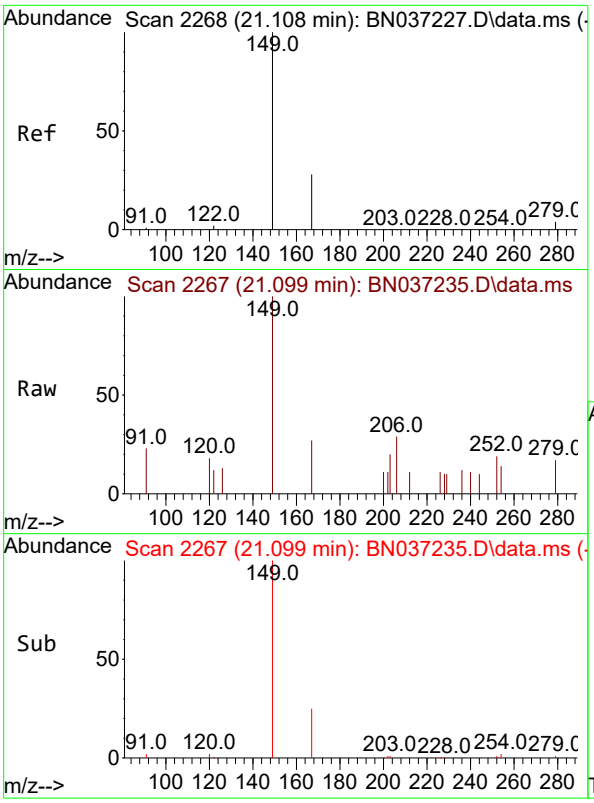


#31
Terphenyl-d14
Concen: 0.536 ng
RT: 19.621 min Scan# 2062
Delta R.T. -0.005 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

Tgt Ion:244 Resp: 2249

Ion	Ratio	Lower	Upper
244	100		
212	13.3	12.2	18.2
122	16.0	14.3	21.5



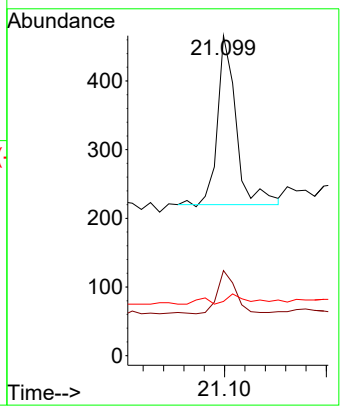


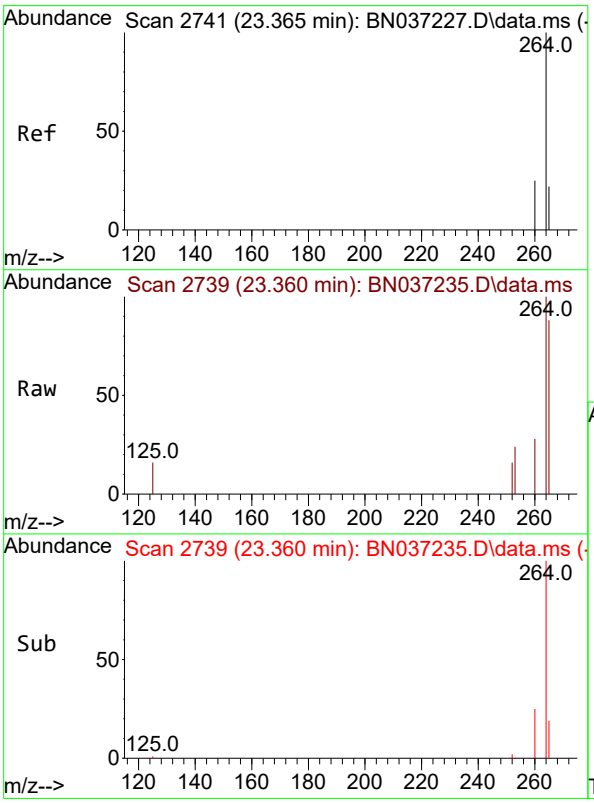
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.067 ng
RT: 21.099 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

Instrument :
BNA_N
ClientSampleId :
EB01-060925

Tgt Ion:149 Resp: 313

Ion	Ratio	Lower	Upper
149	100		
167	24.9	21.3	31.9
279	7.0	3.3	4.9#

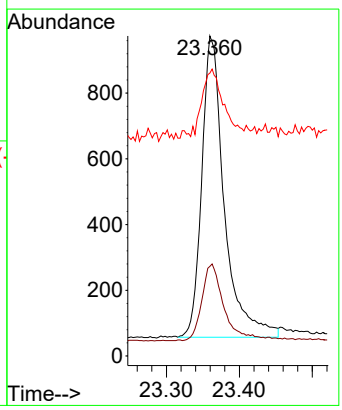




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.360 min Scan# 2739
Delta R.T. -0.006 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

Tgt Ion:264 Resp: 1968

Ion	Ratio	Lower	Upper
264	100		
260	28.0	22.8	34.2
265	88.4	66.4	99.6



CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2275 SAS No.: Q2275 SDG No.: Q2275

Instrument ID: BNA_N Calibration Date(s): 06/13/2025 06/13/2025

Calibration Time(s): 13:33 17:11

LAB FILE ID: RRF0.1 = BN037225.D RRF0.2 = BN037226.D RRF0.4 = BN037227.D
RRF0.8 = BN037228.D RRF1.6 = BN037229.D RRF3.2 = BN037230.D

COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.496	0.504	0.557	0.520	0.576	0.552	0.537	5.6
Fluoranthene-d10	1.015	1.073	1.053	1.017	1.053	1.043	1.047	2.3
2-Fluorophenol	1.043	1.026	0.942	0.907	0.996	0.990	0.982	4.8
Phenol-d6	0.875	0.937	0.963	0.986	1.148	1.166	1.035	11.9
Nitrobenzene-d5	0.366	0.304	0.384	0.377	0.440	0.442	0.395	13.5
2-Fluorobiphenyl	1.566	1.530	1.699	1.658	1.822	1.777	1.681	6.3
2,4,6-Tribromophenol	0.126	0.146	0.171	0.171	0.188	0.183	0.166	13.4
Terphenyl-d14	0.815	0.845	0.946	0.871	0.990	0.939	0.904	6.9
1,4-Dioxane		0.683	0.525	0.535	0.549	0.515	0.549	12.6

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN061325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 13 18:43:34 2025
Response Via : Initial Calibration

Calibration Files
0.1 =BN037225.D 0.2 =BN037226.D 0.4 =BN037227.D 0.8 =BN037228.D 1.6 =BN037229.D 3.2 =BN037230.D 5.0 =BN037231.D

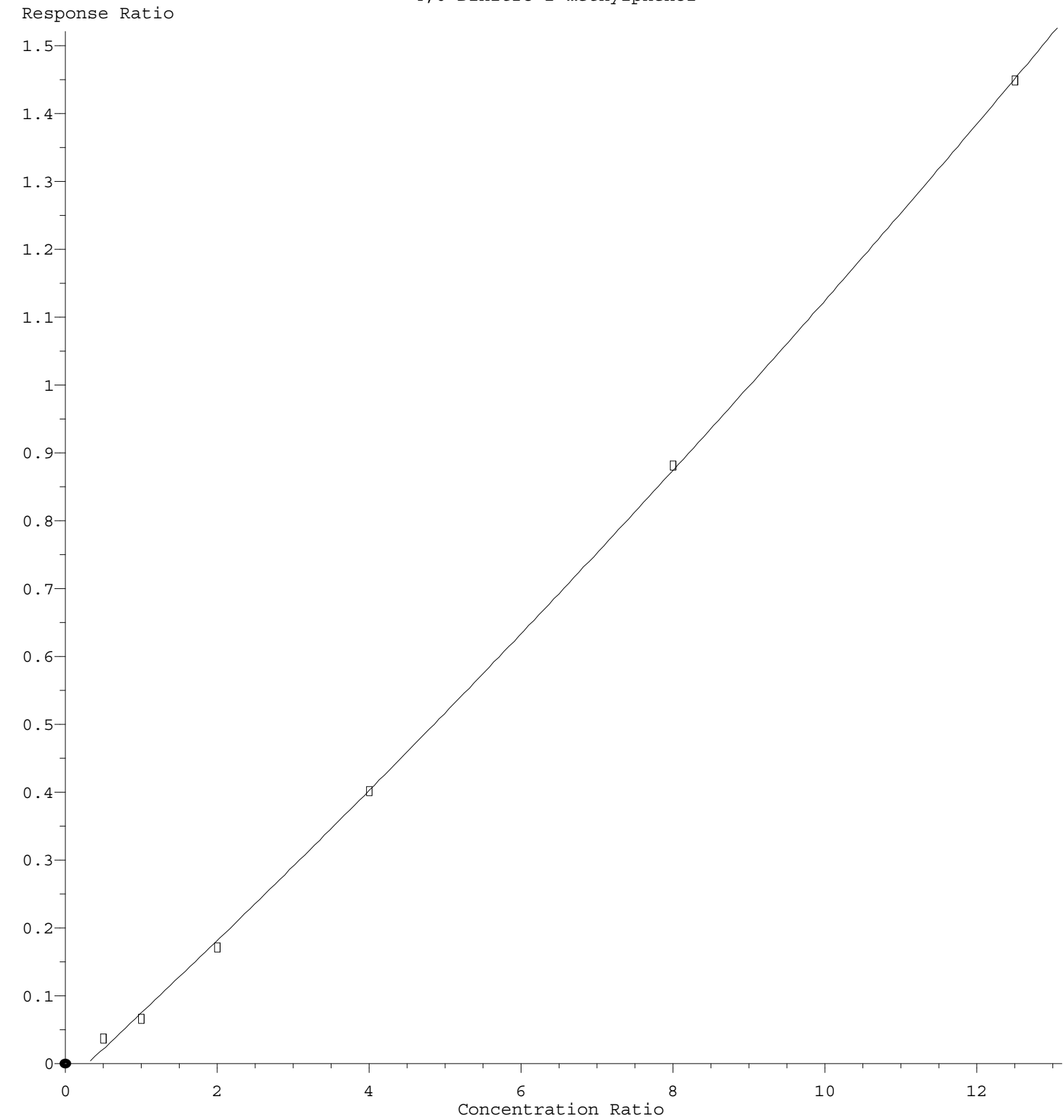
		Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------						
2)		1,4-Dioxane		0.683	0.525	0.535	0.549	0.515	0.486	0.549	12.56
3)		n-Nitrosodimet...		1.357	1.277	1.208	1.295	1.232	1.134	1.250	6.18
4)	S	2-Fluorophenol	1.043	1.026	0.942	0.907	0.996	0.990	0.972	0.982	4.80
5)	S	Phenol-d6	0.875	0.937	0.963	0.986	1.148	1.166	1.173	1.035	11.94
6)		bis(2-Chloroet...	0.768	0.709	0.870	0.955	1.086	1.064	1.040	0.927	16.08
7)	I	Naphthalene-d8	----------	ISTD	----------						
8)	S	Nitrobenzene-d5	0.366	0.304	0.384	0.377	0.440	0.442	0.453	0.395	13.53
9)		Naphthalene	1.186	1.153	1.133	1.109	1.208	1.161	1.159	1.158	2.83
10)		Hexachlorobuta...	0.299	0.290	0.302	0.271	0.285	0.267	0.258	0.282	5.91
11)	SURR	2-Methylnaphth...	0.496	0.504	0.557	0.520	0.576	0.552	0.553	0.537	5.64
12)		2-Methylnaphth...	0.631	0.634	0.704	0.699	0.769	0.746	0.745	0.704	7.77
13)	I	Acenaphthene-d10	----------	ISTD	----------						
14)	S	2,4,6-Tribromo...	0.126	0.146	0.171	0.171	0.188	0.183	0.178	0.166	13.42
15)	S	2-Fluorobiphenyl	1.566	1.530	1.699	1.658	1.822	1.777	1.715	1.681	6.31
16)		Acenaphthylene	1.907	1.870	1.870	1.915	2.077	2.062	2.021	1.960	4.61
17)		Acenaphthene	1.242	1.209	1.240	1.230	1.341	1.318	1.277	1.265	3.87
18)		Fluorene	1.544	1.509	1.593	1.610	1.757	1.714	1.649	1.625	5.46
19)	I	Phenanthrene-d10	----------	ISTD	----------						
20)		4,6-Dinitro-2-...		0.074	0.066	0.086	0.100	0.110	0.116	0.092	21.86
21)		4-Bromophenyl-...	0.248	0.248	0.244	0.256	0.278	0.276	0.273	0.261	5.65
22)		Hexachlorobenzene	0.342	0.318	0.311	0.284	0.297	0.284	0.279	0.302	7.65
23)		Atrazine	0.223	0.229	0.222	0.228	0.241	0.241	0.244	0.232	3.84
24)		Pentachlorophenol		0.139	0.124	0.137	0.154	0.162	0.171	0.148	11.86
25)		Phenanthrene	1.253	1.225	1.186	1.238	1.324	1.328	1.327	1.269	4.54
26)		Anthracene	1.094	1.079	1.080	1.138	1.221	1.257	1.261	1.161	7.13
27)	SURR	Fluoranthene-d10	1.015	1.073	1.053	1.017	1.053	1.043	1.073	1.046	2.27
28)		Fluoranthene	1.470	1.508	1.412	1.449	1.509	1.510	1.537	1.485	2.94
29)	I	Chrysene-d12	----------	ISTD	----------						
30)		Pyrene	1.850	1.740	1.962	1.849	2.016	1.892	1.854	1.881	4.74
31)	S	Terphenyl-d14	0.815	0.845	0.946	0.871	0.990	0.939	0.924	0.904	6.89
32)		Benzo(a)anthra...	1.175	1.204	1.225	1.332	1.512	1.507	1.499	1.351	11.36
33)		Chrysene	1.783	1.722	1.695	1.617	1.711	1.633	1.616	1.683	3.73
34)		Bis(2-ethylhex...		1.104	1.024	1.000	1.006	0.942	0.960	1.006	5.65
35)	I	Perylene-d12	----------	ISTD	----------						

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN061325.M

36)		Indeno(1,2,3-c...	1.506	1.503	1.507	1.486	1.718	1.757	1.813	1.613	8.87
37)		Benzo(b)fluora...	1.309	1.288	1.376	1.456	1.618	1.576	1.620	1.463	9.81
38)		Benzo(k)fluora...	1.835	1.503	1.628	1.667	1.757	1.704	1.728	1.689	6.24
39)	C	Benzo(a)pyrene	1.271	1.208	1.234	1.298	1.407	1.382	1.413	1.316	6.42
40)		Dibenzo(a,h)an...	1.106	1.102	1.049	1.118	1.362	1.425	1.427	1.227	13.76
41)		Benzo(g,h,i)pe...	1.504	1.460	1.441	1.386	1.557	1.566	1.557	1.496	4.63

(#) = Out of Range

4,6-Dinitro-2-methylphenol



R = 1.217e-003 A*A + 1.033e-001 A - 3.013e-002
Coef of Det (r^2) = 0.999707 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN061325.M
Calibration Table Last Updated: Fri Jun 13 18:43:34 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037225.D
Acq On : 13 Jun 2025 13:33
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

Quant Time: Jun 13 18:36:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:34:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.575	152	859	0.400	ng		0.00
7) Naphthalene-d8	10.362	136	2097	0.400	ng	#	0.00
13) Acenaphthene-d10	14.224	164	1114	0.400	ng		0.00
19) Phenanthrene-d10	16.984	188	1916	0.400	ng		0.01
29) Chrysene-d12	21.180	240	1546	0.400	ng	#	0.00
35) Perylene-d12	23.368	264	1617	0.400	ng	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.170	112	224	0.106	ng		0.00
5) Phenol-d6	6.759	99	188	0.085	ng		0.00
8) Nitrobenzene-d5	8.739	82	192	0.093	ng		0.01
11) 2-Methylnaphthalene-d10	11.960	152	260	0.092	ng		0.00
14) 2,4,6-Tribromophenol	15.730	330	35	0.076	ng		0.00
15) 2-Fluorobiphenyl	12.853	172	436	0.093	ng		0.00
27) Fluoranthene-d10	19.021	212	486	0.097	ng		0.00
31) Terphenyl-d14	19.635	244	315	0.090	ng		0.00
Target Compounds							Qvalue
6) bis(2-Chloroethyl)ether	7.012	93	165	0.083	ng		85
9) Naphthalene	10.404	128	622	0.102	ng	#	77
10) Hexachlorobutadiene	10.693	225	157	0.106	ng	#	95
12) 2-Methylnaphthalene	12.036	142	331	0.090	ng	#	93
16) Acenaphthylene	13.946	152	531	0.097	ng		95
17) Acenaphthene	14.288	154	346	0.098	ng		96
18) Fluorene	15.282	166	430	0.095	ng		100
21) 4-Bromophenyl-phenylether	16.177	248	119	0.095	ng		91
22) Hexachlorobenzene	16.289	284	164	0.113	ng		96
23) Atrazine	16.462	200	107	0.096	ng	#	63
25) Phenanthrene	17.021	178	600	0.099	ng		100
26) Anthracene	17.120	178	524	0.094	ng		100
28) Fluoranthene	19.049	202	704	0.099	ng		99
30) Pyrene	19.412	202	715	0.098	ng		99
32) Benzo(a)anthracene	21.162	228	454	0.087	ng	#	79
33) Chrysene	21.215	228	689	0.106	ng	#	85
36) Indeno(1,2,3-cd)pyrene	25.570	276	609	0.093	ng	#	74
37) Benzo(b)fluoranthene	22.719	252	529	0.089	ng	#	41
38) Benzo(k)fluoranthene	22.760	252	742m	0.109	ng		
39) Benzo(a)pyrene	23.284	252	514	0.097	ng	#	23
40) Dibenzo(a,h)anthracene	25.590	278	447m	0.091	ng		
41) Benzo(g,h,i)perylene	26.228	276	608	0.101	ng	#	64

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

ICAL Form

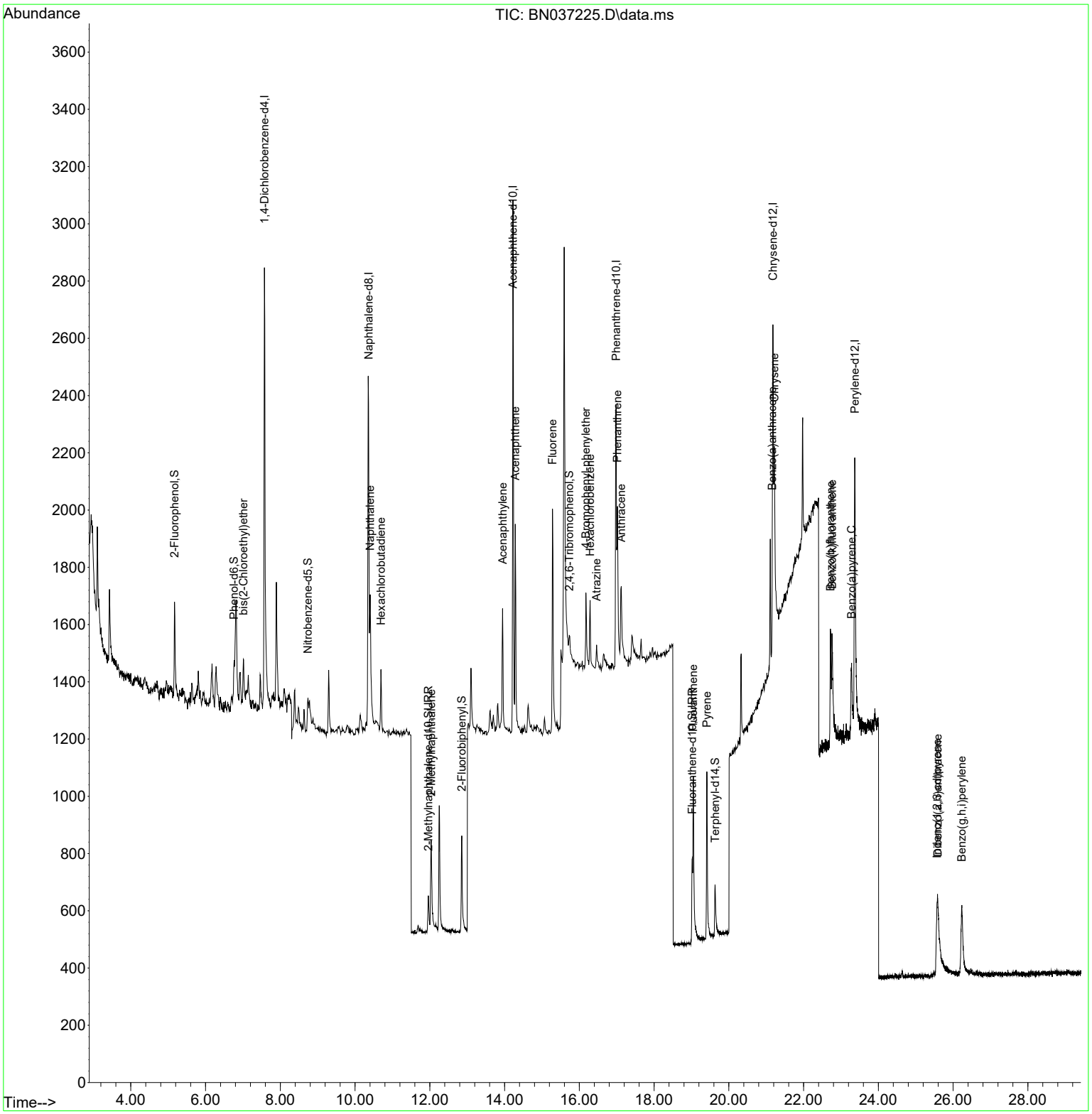
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037225.D
Acq On : 13 Jun 2025 13:33
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 3 Sample Multiplier: 1

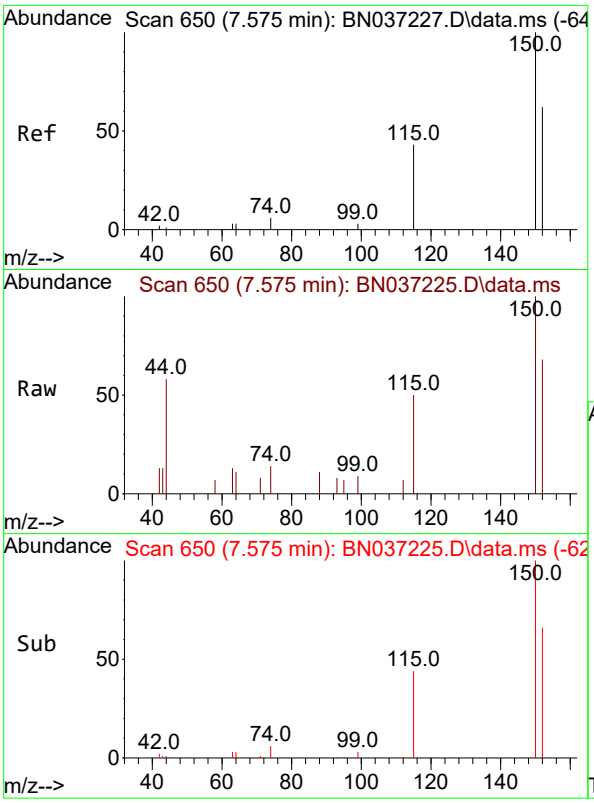
Quant Time: Jun 13 18:36:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:34:15 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

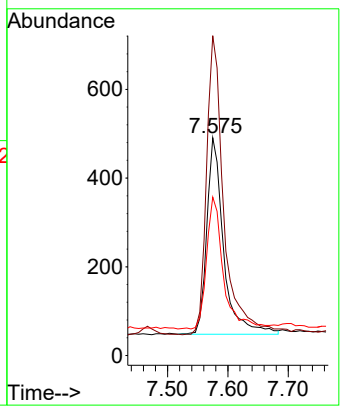




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.575 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:152 Resp: 85

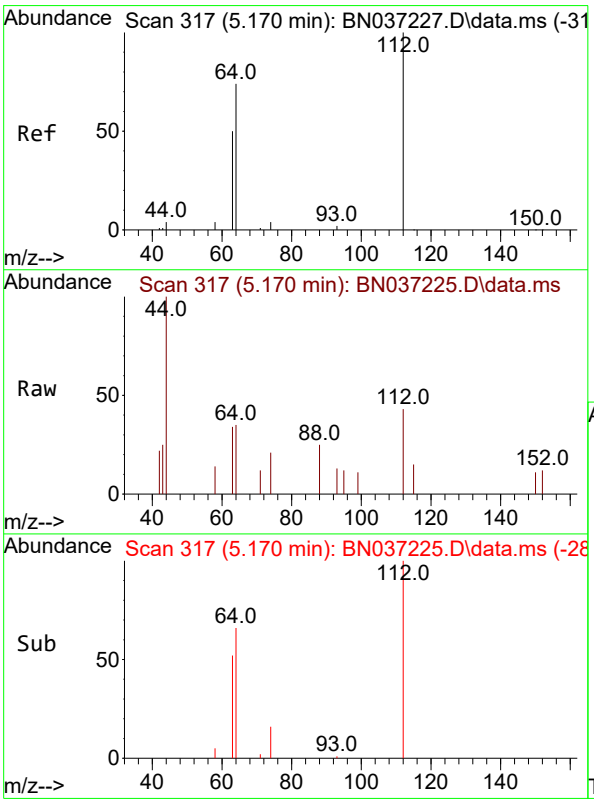
Ion	Ratio	Lower	Upper
152	100		
150	146.8	125.2	187.8
115	72.7	58.4	87.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
APPROVED

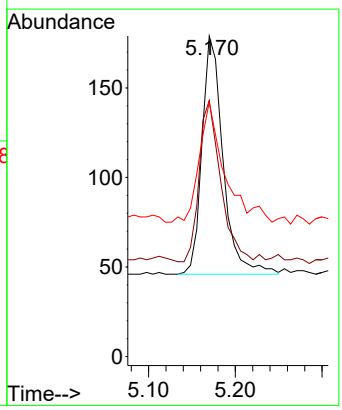
Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

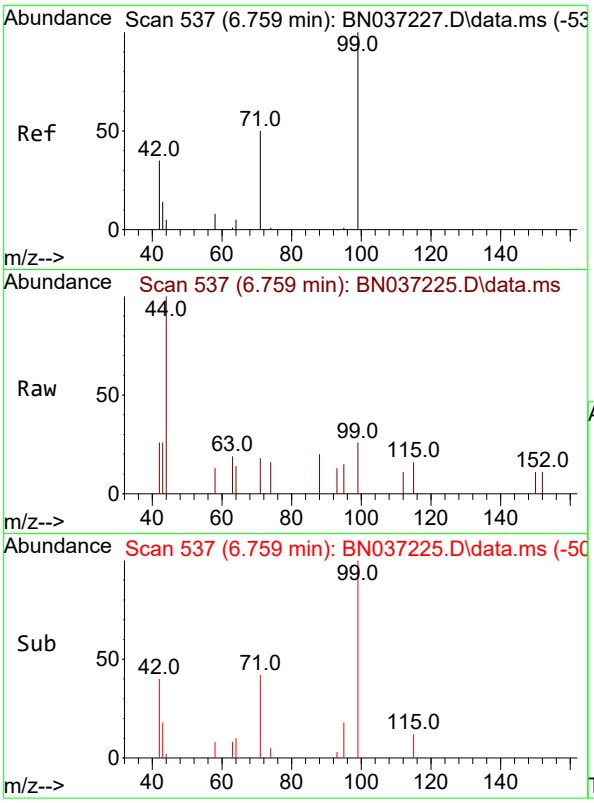


#4
2-Fluorophenol
Concen: 0.106 ng
RT: 5.170 min Scan# 317
Delta R.T. 0.000 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:112 Resp: 224

Ion	Ratio	Lower	Upper
112	100		
64	69.2	57.2	85.8
63	65.6	39.8	59.6#

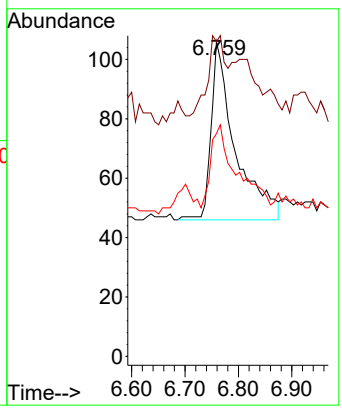




#5
Phenol-d6
Concen: 0.085 ng
RT: 6.759 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion: 99 Resp: 18

Ion	Ratio	Lower	Upper
99	100		
42	33.0	36.2	54.4
71	51.1	42.4	63.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
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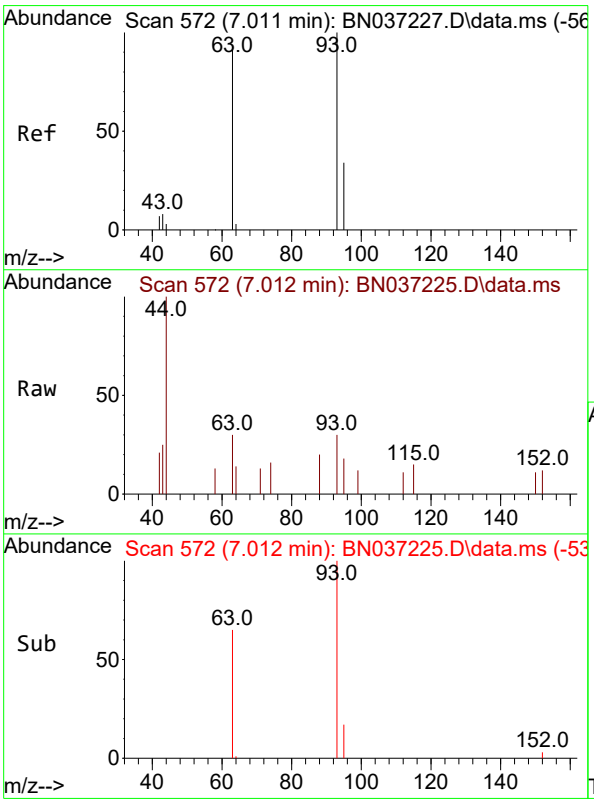
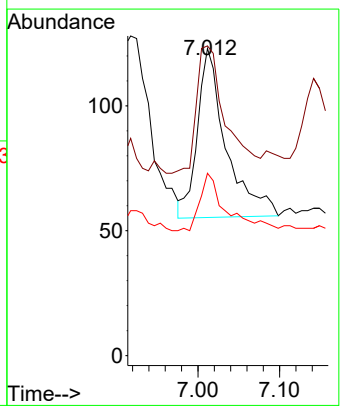
Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

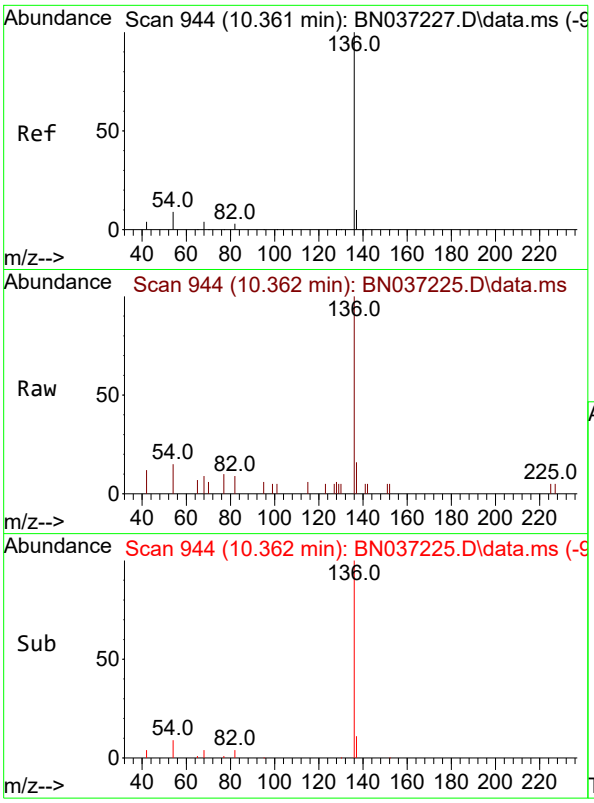


#6
bis(2-Chloroethyl)ether
Concen: 0.083 ng
RT: 7.012 min Scan# 572
Delta R.T. 0.000 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion: 93 Resp: 165

Ion	Ratio	Lower	Upper
93	100		
63	76.4	75.2	112.8
95	30.9	28.3	42.5

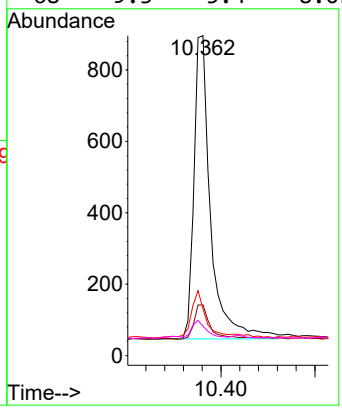




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.362 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:136 Resp: 209

Ion	Ratio	Lower	Upper
136	100		
137	15.8	10.6	15.8#
54	14.6	9.2	13.8#
68	9.3	5.4	8.0#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
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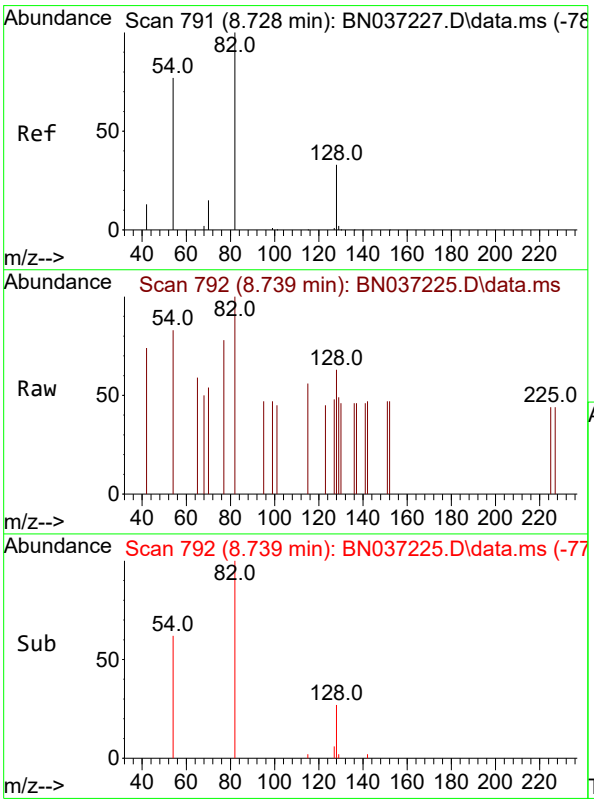
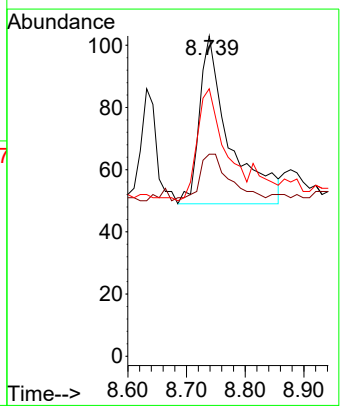
Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

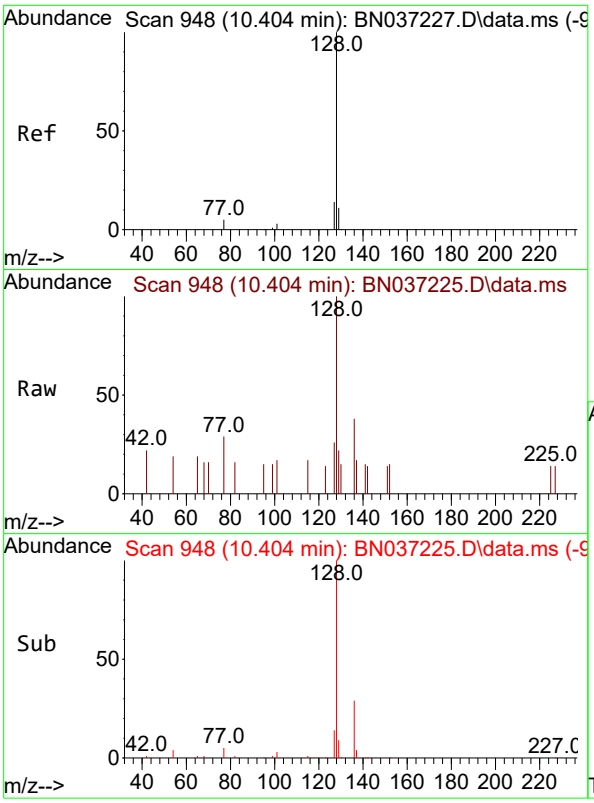


#8
Nitrobenzene-d5
Concen: 0.093 ng
RT: 8.739 min Scan# 792
Delta R.T. 0.011 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion: 82 Resp: 192

Ion	Ratio	Lower	Upper
82	100		
128	63.1	31.2	46.8#
54	83.5	63.3	94.9

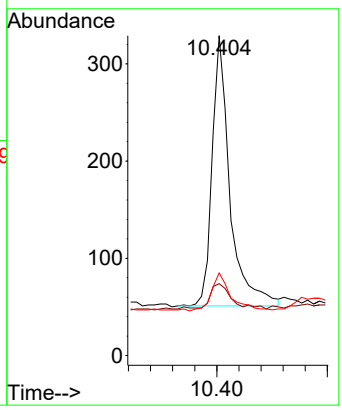




#9
Naphthalene
Concen: 0.102 ng
RT: 10.404 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:128 Resp: 62

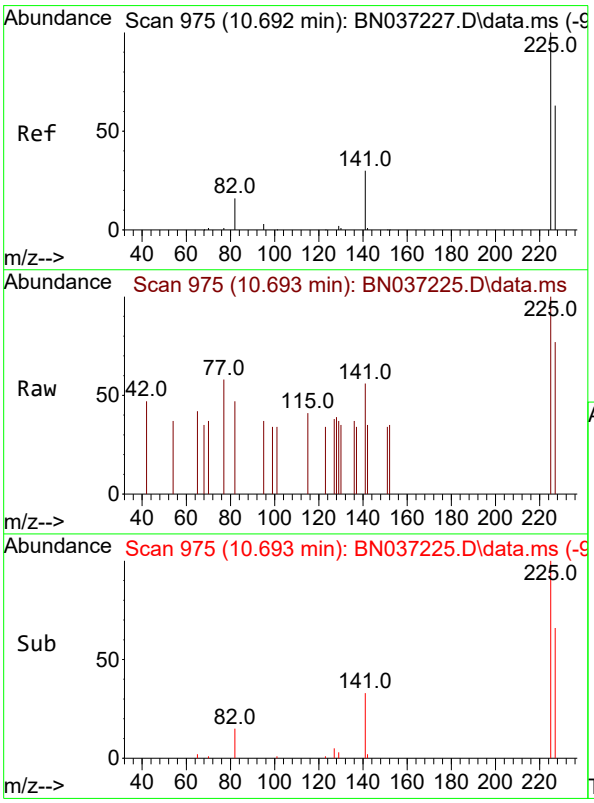
Ion	Ratio	Lower	Upper
128	100		
129	22.5	10.7	16.1#
127	25.8	12.6	19.0#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
APPROVED

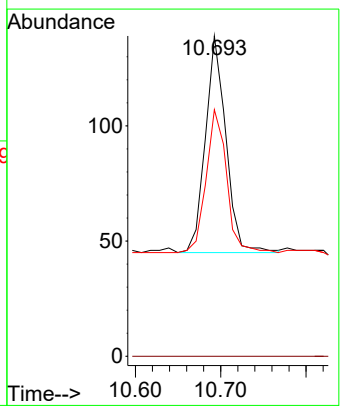
Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

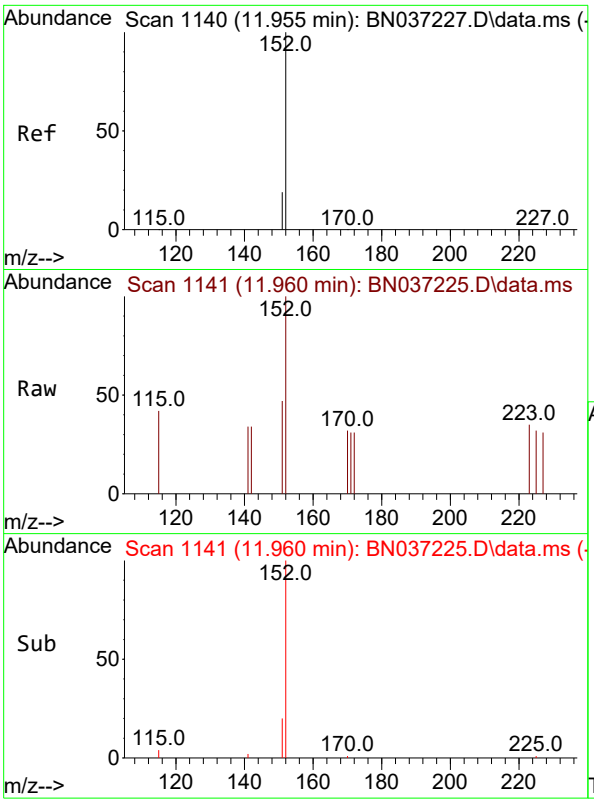


#10
Hexachlorobutadiene
Concen: 0.106 ng
RT: 10.693 min Scan# 975
Delta R.T. 0.000 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:225 Resp: 157

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.6	49.2	73.8





#11
2-Methylnaphthalene-d10
Concen: 0.092 ng
RT: 11.960 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:152 Resp: 26

Ion	Ratio	Lower	Upper
152	100		
151	20.8	17.9	26.9

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
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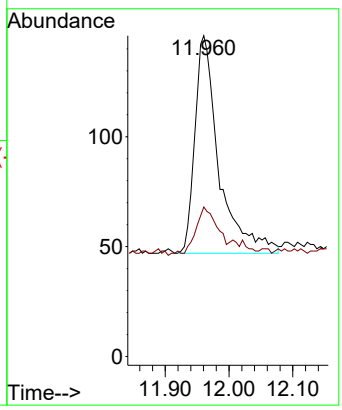
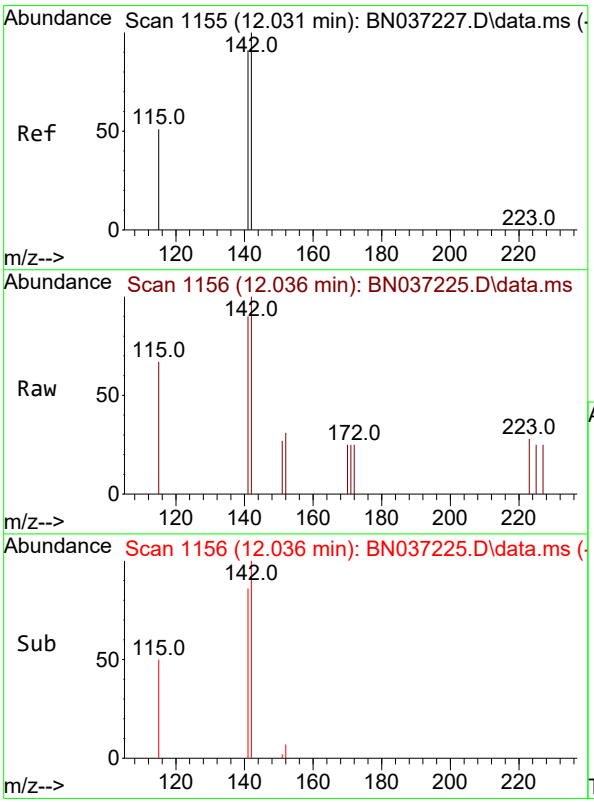
Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

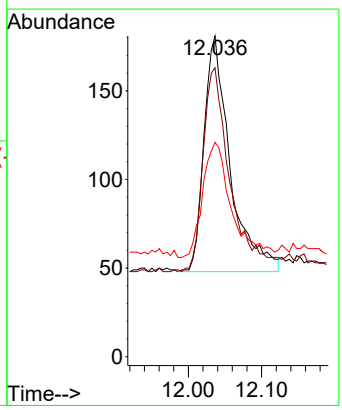


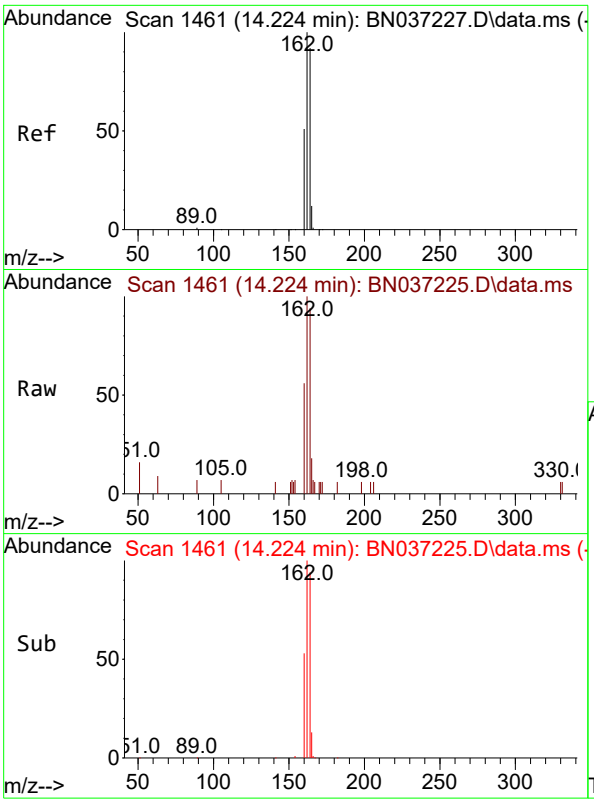


#12
2-Methylnaphthalene
Concen: 0.090 ng
RT: 12.036 min Scan# 1156
Delta R.T. 0.005 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:142 Resp: 331

Ion	Ratio	Lower	Upper
142	100		
141	90.1	73.0	109.6
115	66.9	43.3	64.9#

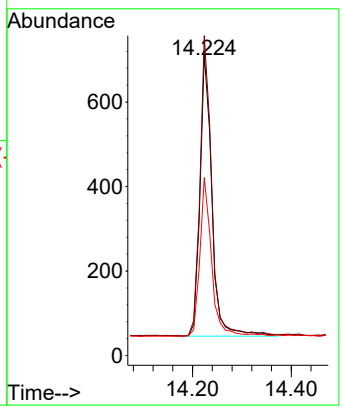




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:164 Resp: 111

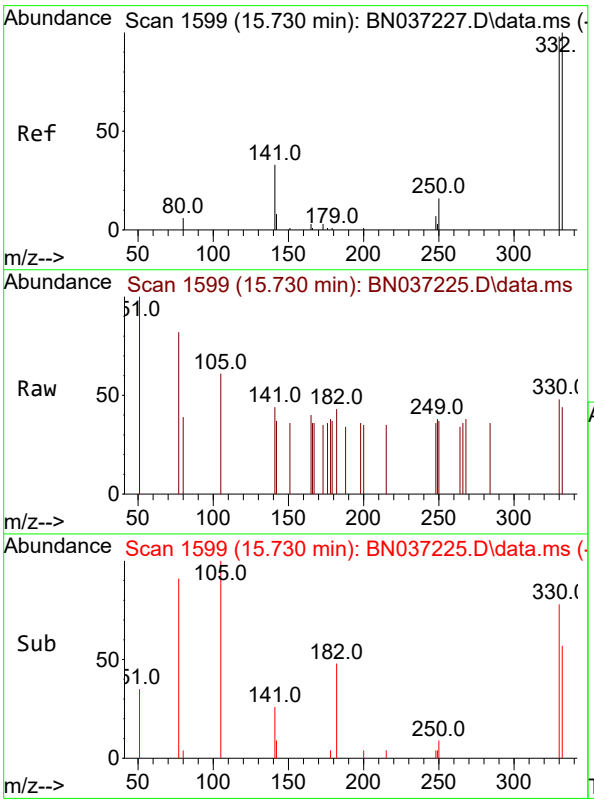
Ion	Ratio	Lower	Upper
164	100		
162	106.2	86.7	130.1
160	59.0	45.8	68.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
APPROVED

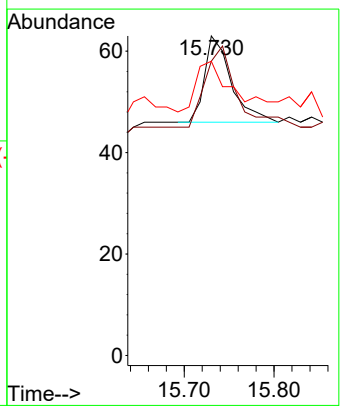
Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

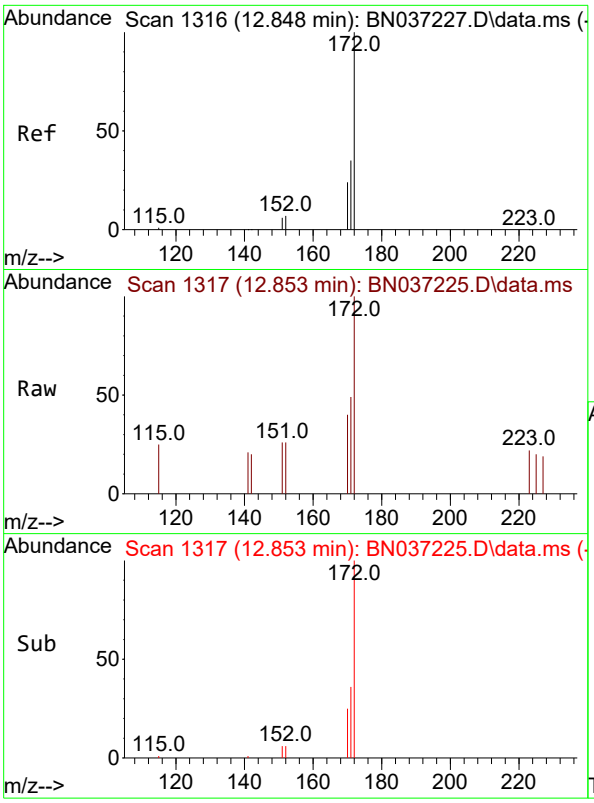


#14
2,4,6-Tribromophenol
Concen: 0.076 ng
RT: 15.730 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:330 Resp: 35

Ion	Ratio	Lower	Upper
330	100		
332	111.4	74.9	112.3
141	82.9	45.1	67.7#

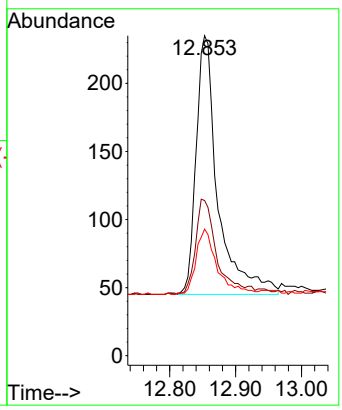




#15
2-Fluorobiphenyl
Concen: 0.093 ng
RT: 12.853 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:172 Resp: 43

Ion	Ratio	Lower	Upper
172	100		
171	48.5	29.8	44.8#
170	39.6	21.1	31.7#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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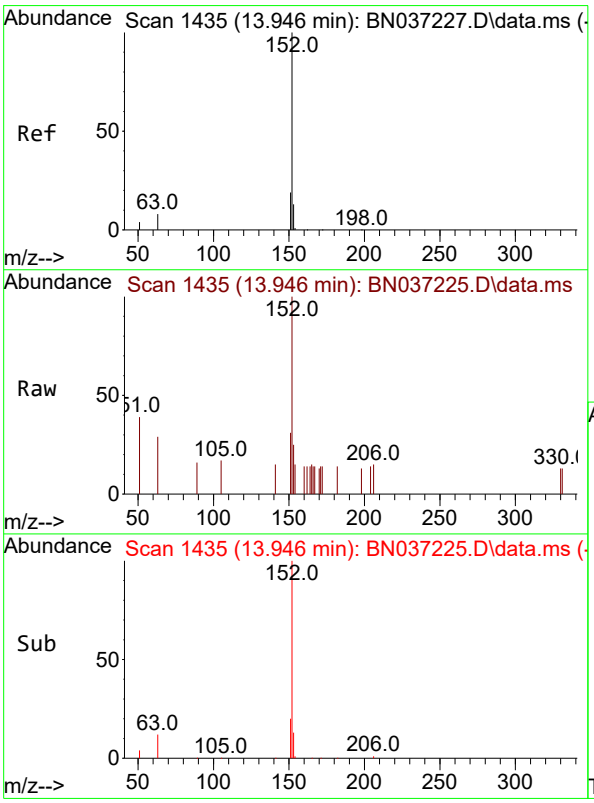
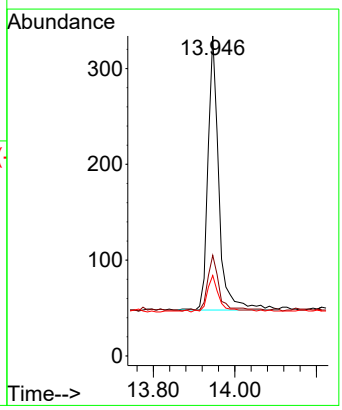
Supervised By :Jagrut Upadhyay 06/16/2025

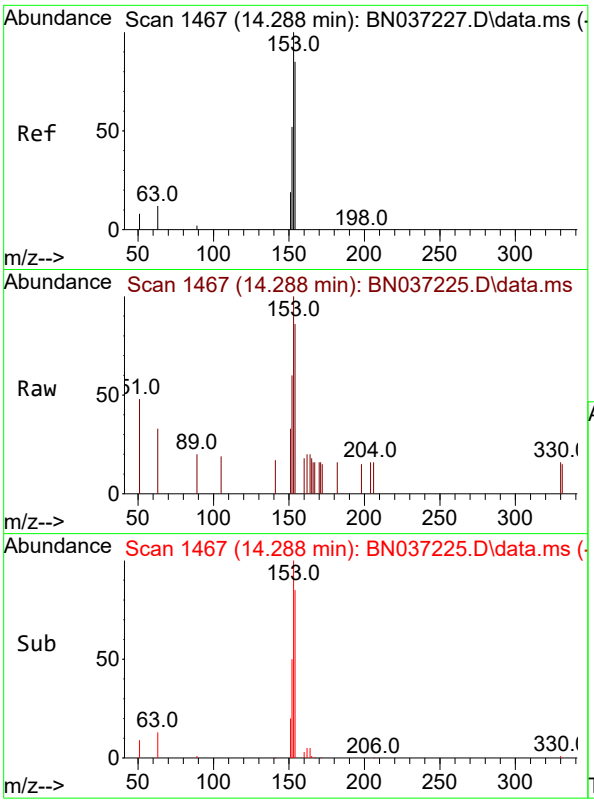


#16
Acenaphthylene
Concen: 0.097 ng
RT: 13.946 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:152 Resp: 531

Ion	Ratio	Lower	Upper
152	100		
151	22.4	15.7	23.5
153	14.9	10.7	16.1

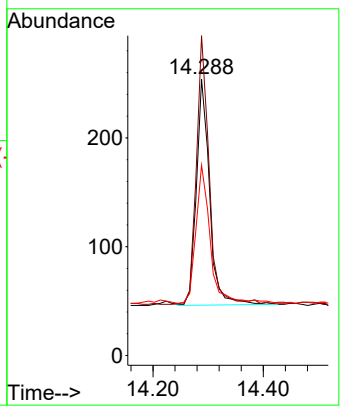




#17
Acenaphthene
Concen: 0.098 ng
RT: 14.288 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:154 Resp: 34

Ion	Ratio	Lower	Upper
154	100		
153	114.5	94.6	141.8
152	65.9	49.6	74.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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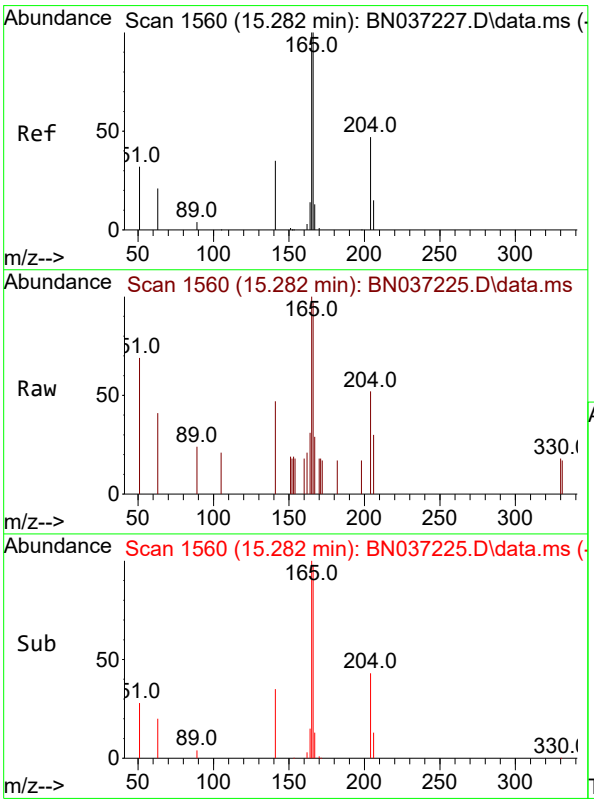
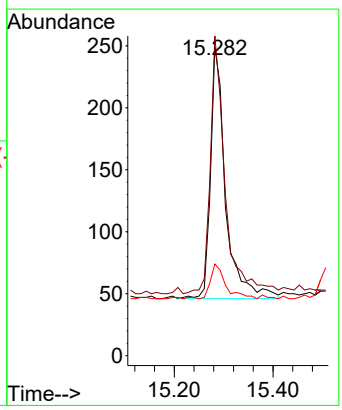
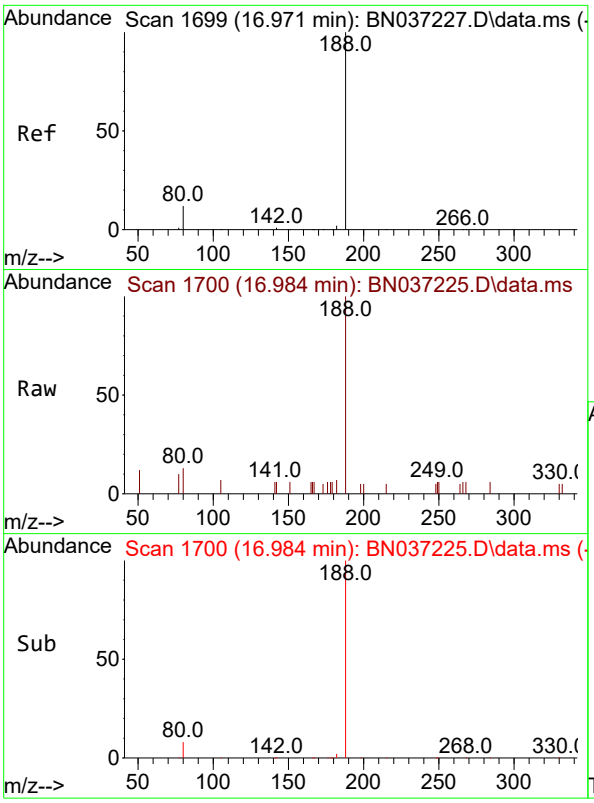


#18
Fluorene
Concen: 0.095 ng
RT: 15.282 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:166 Resp: 430

Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.8	119.6
167	14.0	10.8	16.2

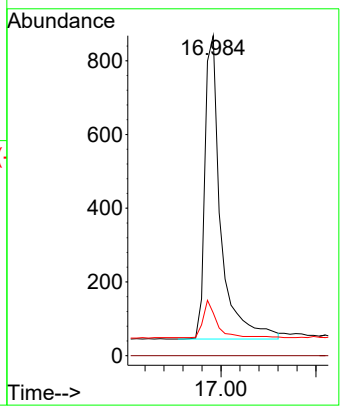




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1
Delta R.T. 0.013 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:188 Resp: 191

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.4	12.2	18.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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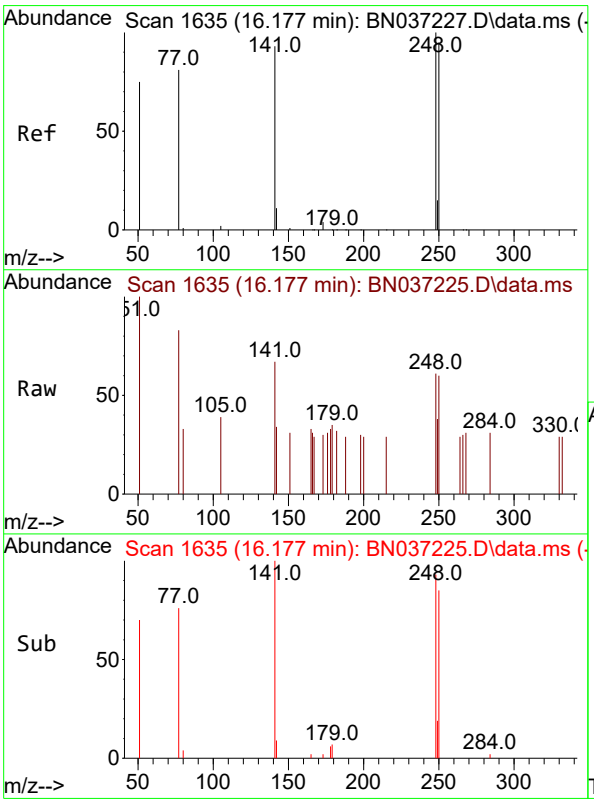
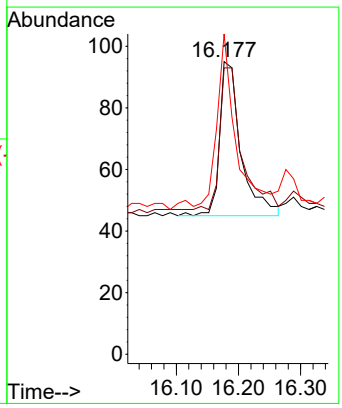
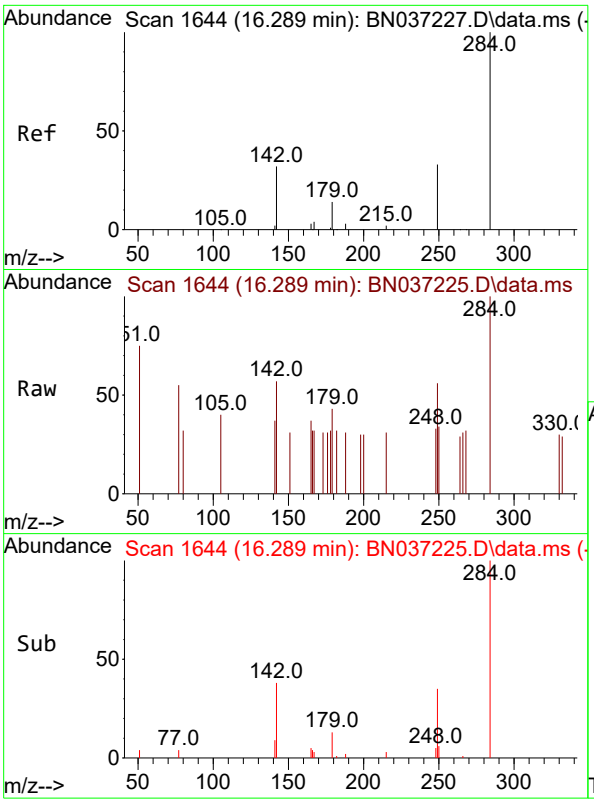


#21
4-Bromophenyl-phenylether
Concen: 0.095 ng
RT: 16.177 min Scan# 1635
Delta R.T. 0.000 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:248 Resp: 119

Ion	Ratio	Lower	Upper
248	100		
250	97.9	76.8	115.2
141	109.5	75.6	113.4

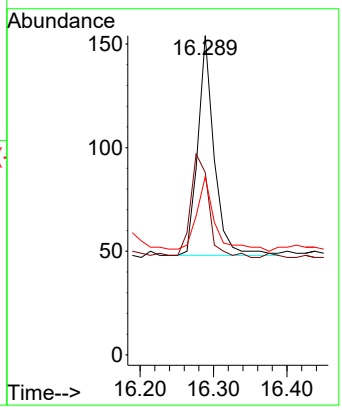




#22
Hexachlorobenzene
Concen: 0.113 ng
RT: 16.289 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:284 Resp: 164

Ion	Ratio	Lower	Upper
284	100		
142	52.4	43.8	65.6
249	38.4	28.4	42.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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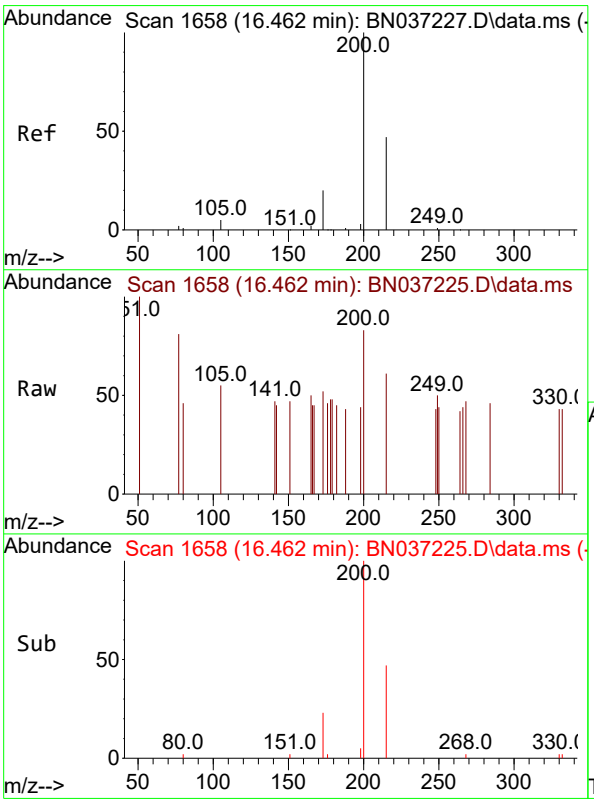
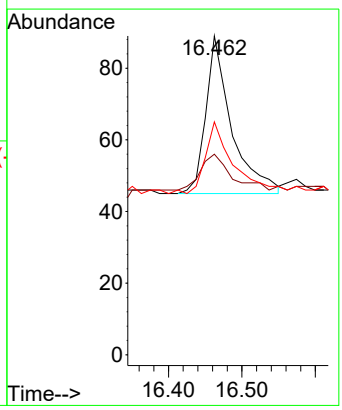
Supervised By :Jagrut Upadhyay 06/16/2025

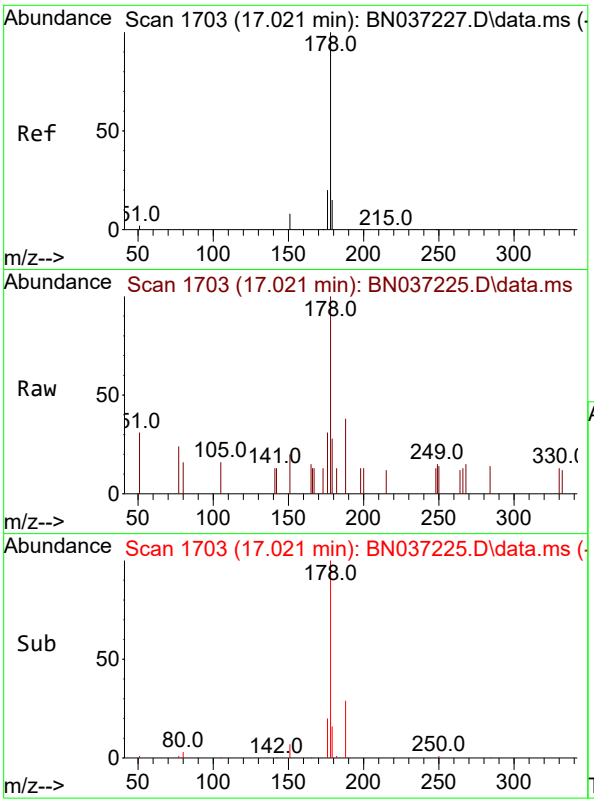


#23
Atrazine
Concen: 0.096 ng
RT: 16.462 min Scan# 1658
Delta R.T. 0.000 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:200 Resp: 107

Ion	Ratio	Lower	Upper
200	100		
173	62.9	25.1	37.7#
215	73.0	43.7	65.5#

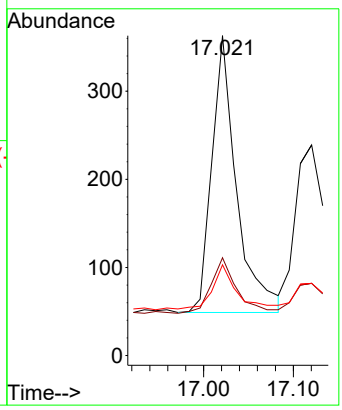




#25
Phenanthrene
Concen: 0.099 ng
RT: 17.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:178 Resp: 60

Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.3	24.5
179	15.8	12.6	18.8



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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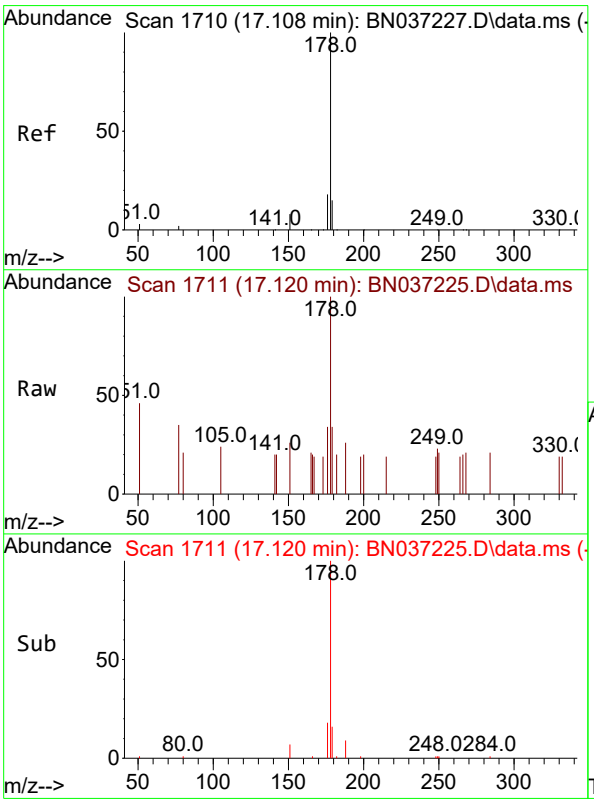
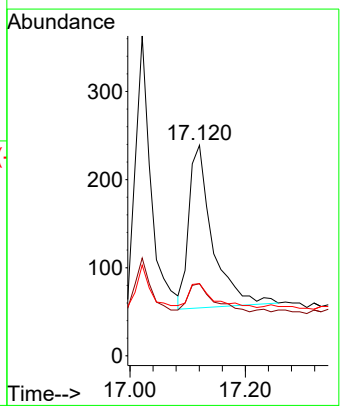
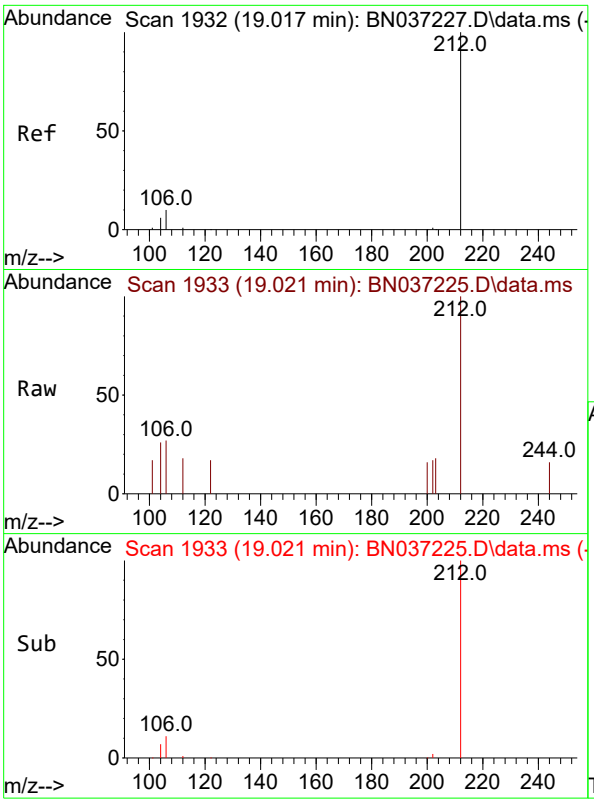


#26
Anthracene
Concen: 0.094 ng
RT: 17.120 min Scan# 1711
Delta R.T. 0.013 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:178 Resp: 524

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.1	12.4	18.6

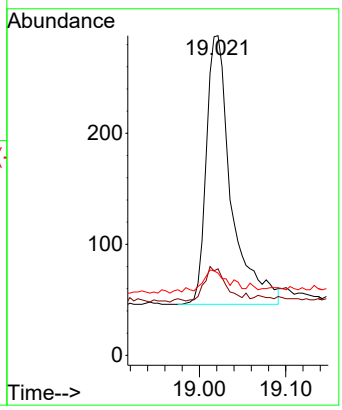




#27
Fluoranthene-d10
Concen: 0.097 ng
RT: 19.021 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:212 Resp: 48

Ion	Ratio	Lower	Upper
212	100		
106	10.5	9.3	13.9
104	9.7	5.7	8.5



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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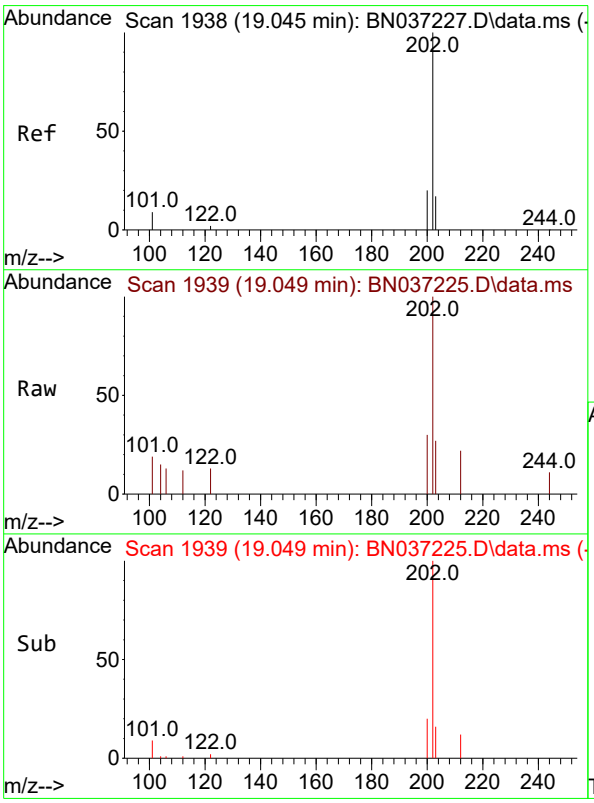
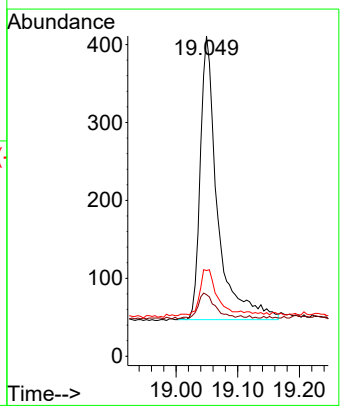
Supervised By :Jagrut Upadhyay 06/16/2025

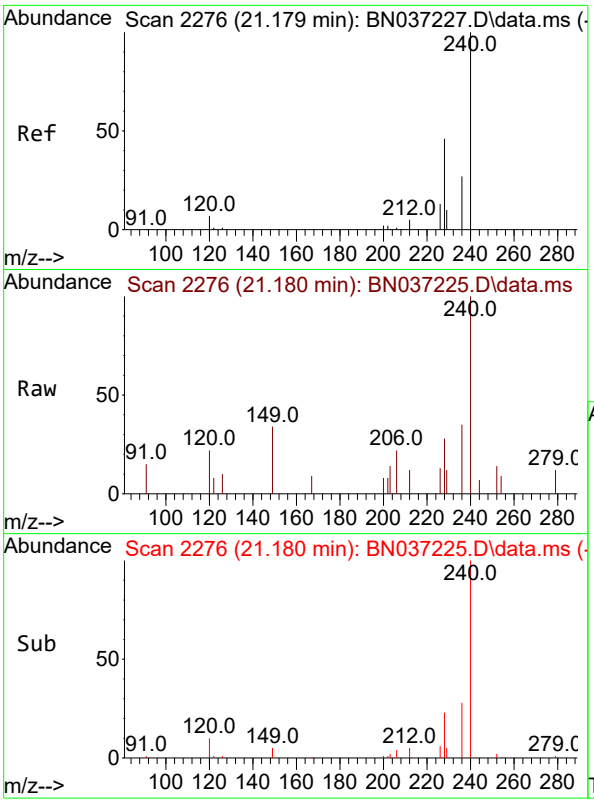


#28
Fluoranthene
Concen: 0.099 ng
RT: 19.049 min Scan# 1939
Delta R.T. 0.005 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:202 Resp: 704

Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.1	10.7
203	15.9	13.0	19.6

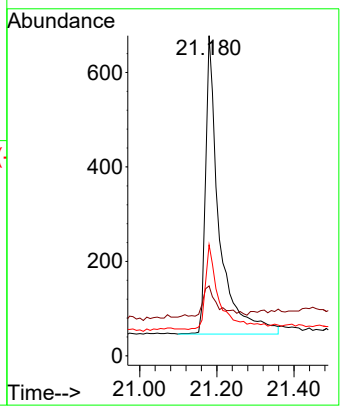




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:240 Resp: 154

Ion	Ratio	Lower	Upper
240	100		
120	21.8	11.3	16.9#
236	34.7	24.4	36.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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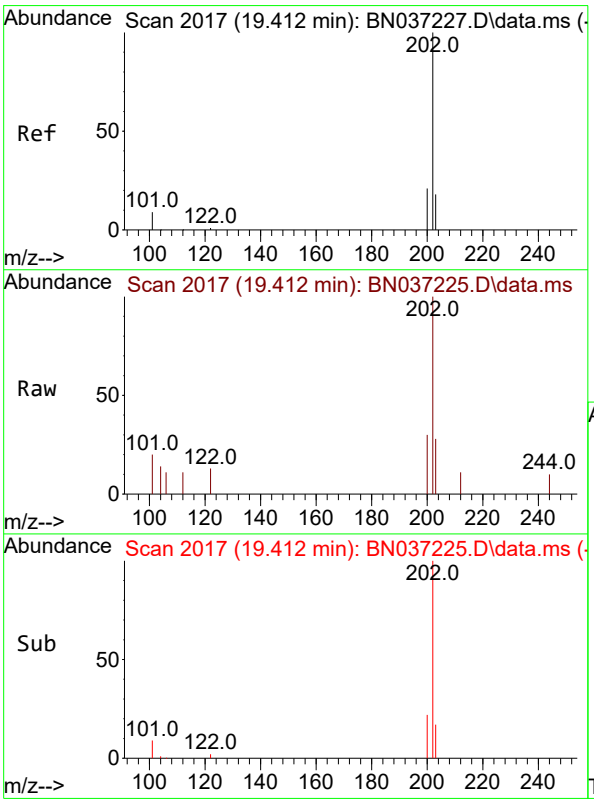
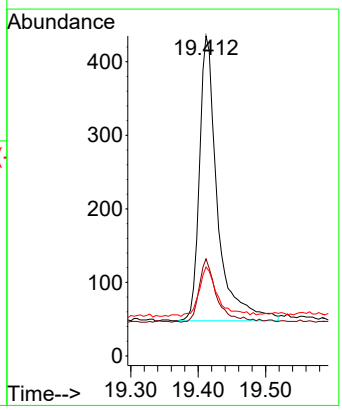
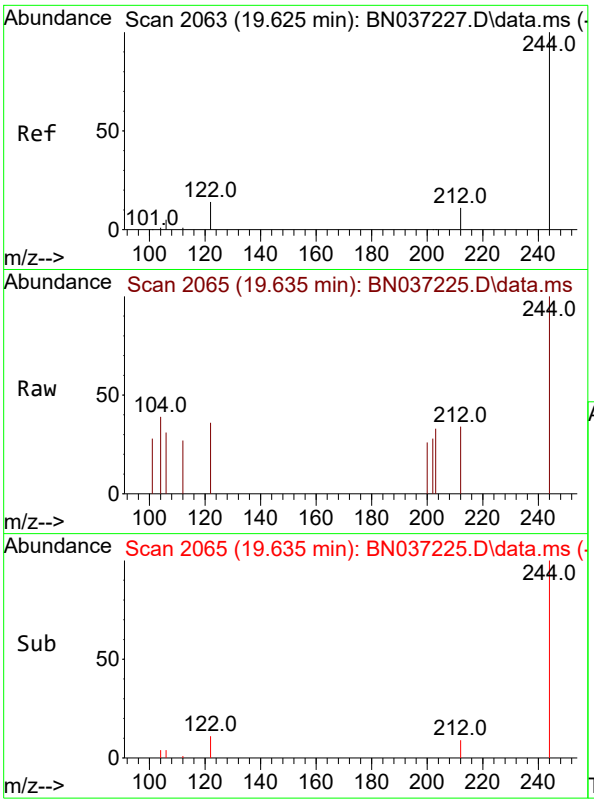


#30
Pyrene
Concen: 0.098 ng
RT: 19.412 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:202 Resp: 715

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	18.0	14.3	21.5

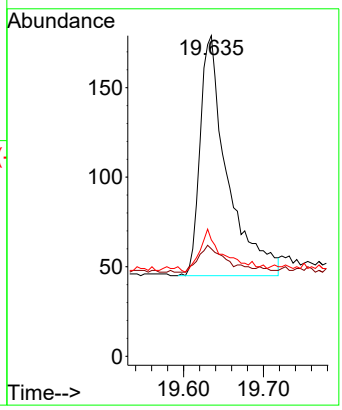




#31
Terphenyl-d14
Concen: 0.090 ng
RT: 19.635 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:244 Resp: 31

Ion	Ratio	Lower	Upper
244	100		
212	33.5	12.2	18.2#
122	36.3	14.3	21.5#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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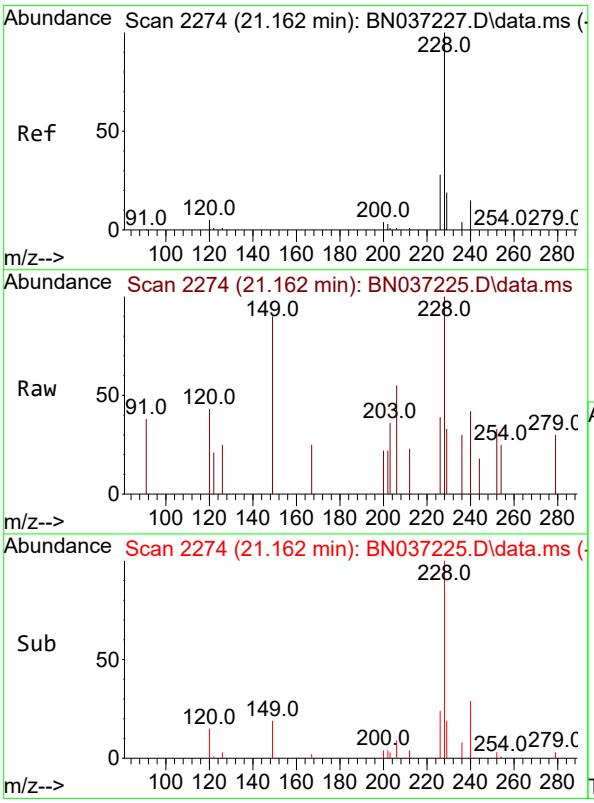
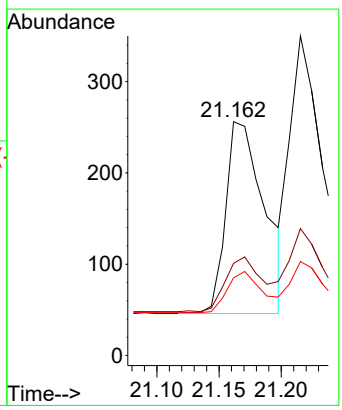
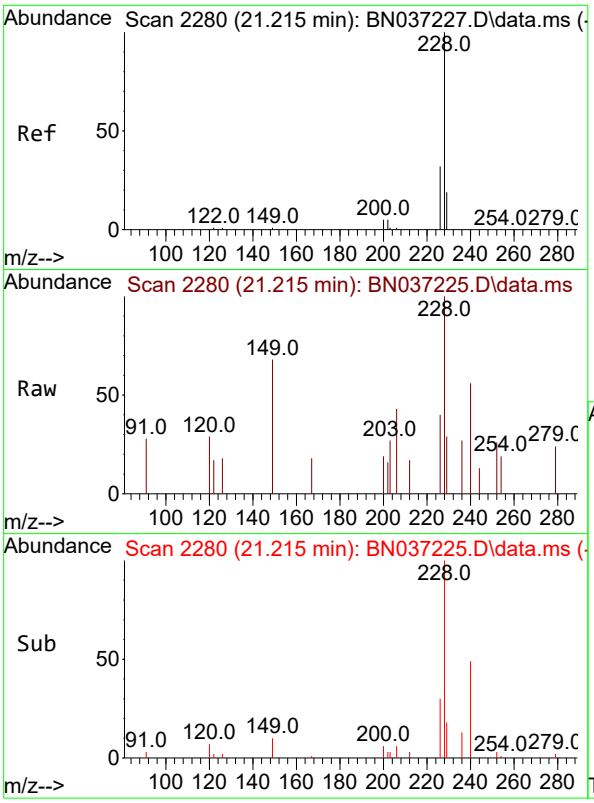


#32
Benzo(a)anthracene
Concen: 0.087 ng
RT: 21.162 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:228 Resp: 454

Ion	Ratio	Lower	Upper
228	100		
226	39.5	23.8	35.8#
229	33.2	17.0	25.4#

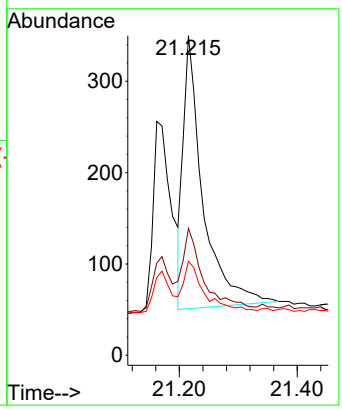




#33
Chrysene
Concen: 0.106 ng
RT: 21.215 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:228 Resp: 68

Ion	Ratio	Lower	Upper
228	100		
226	39.7	25.8	38.6#
229	29.4	17.0	25.4#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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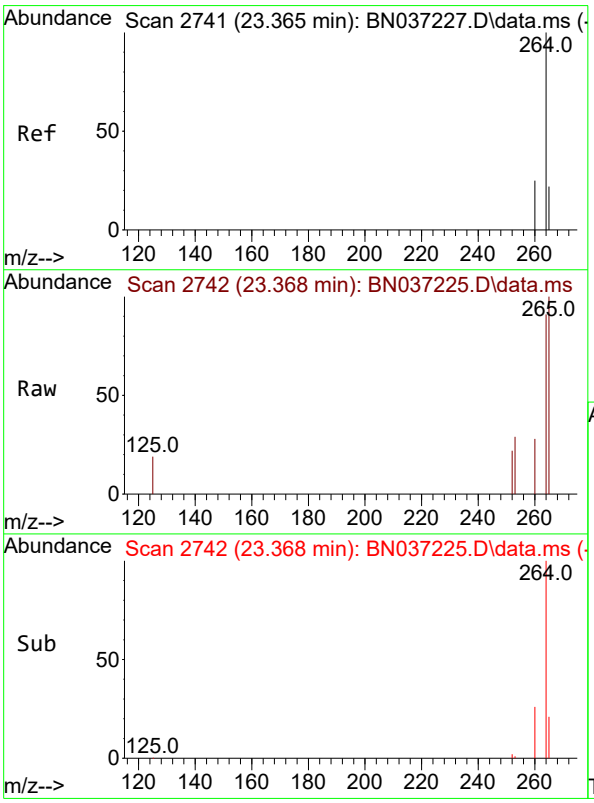
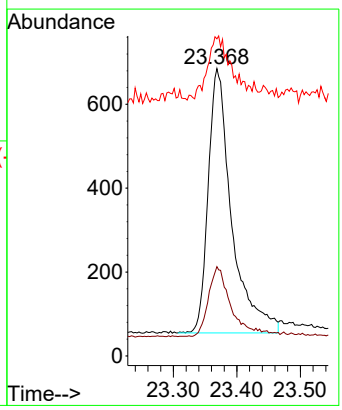
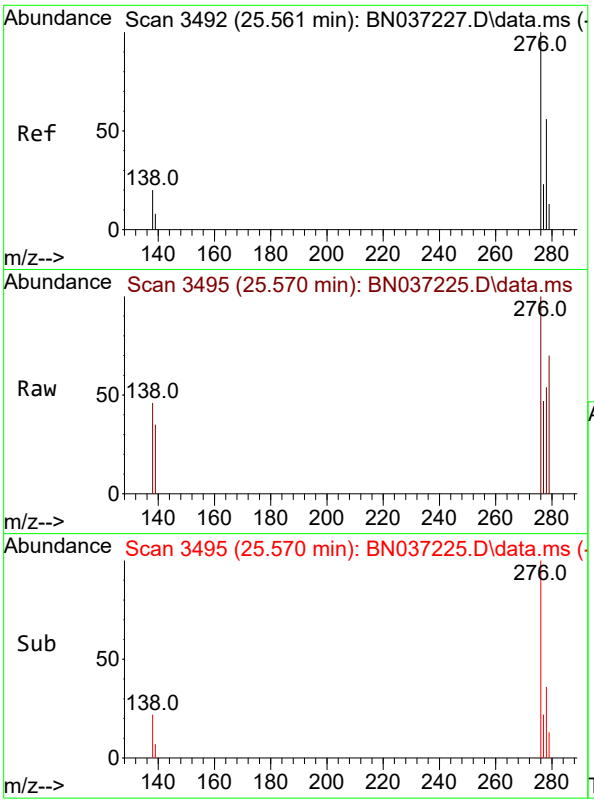


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.368 min Scan# 2742
Delta R.T. 0.003 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:264 Resp: 1617

Ion	Ratio	Lower	Upper
264	100		
260	31.1	22.8	34.2
265	110.4	66.4	99.6#





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.093 ng
RT: 25.570 min Scan# 34
Delta R.T. 0.009 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:276 Resp: 609

Ion	Ratio	Lower	Upper
276	100		
138	1.3	16.8	25.2#
277	18.6	19.5	29.3#

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

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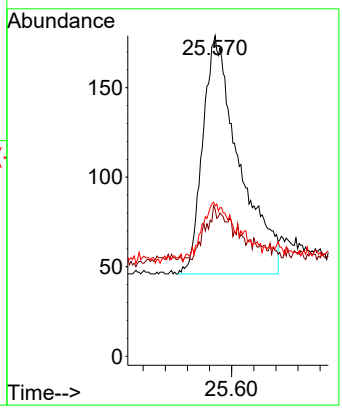
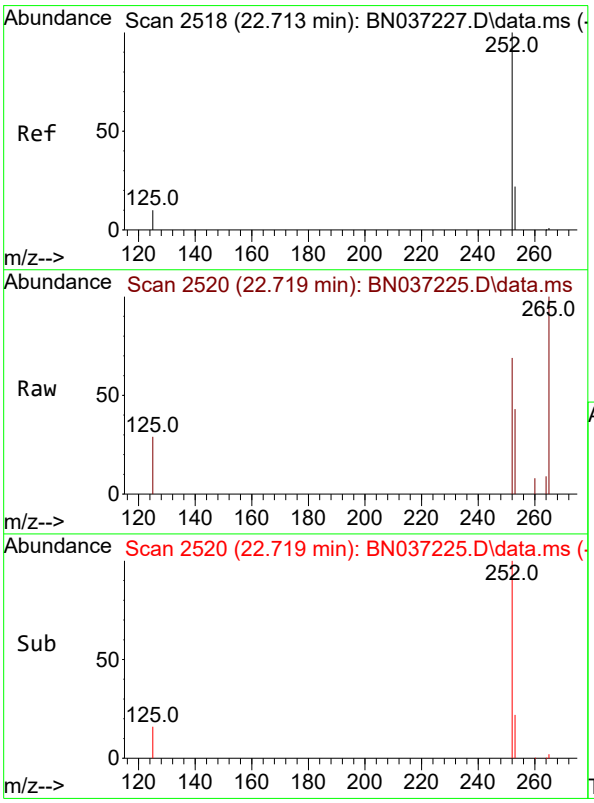
Supervised By :Jagrut Upadhyay 06/16/2025

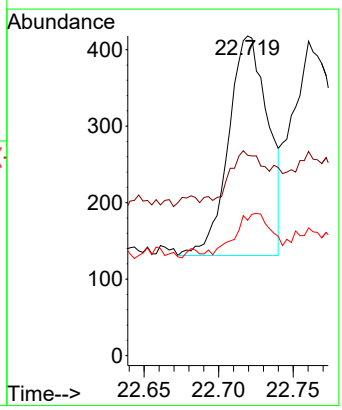


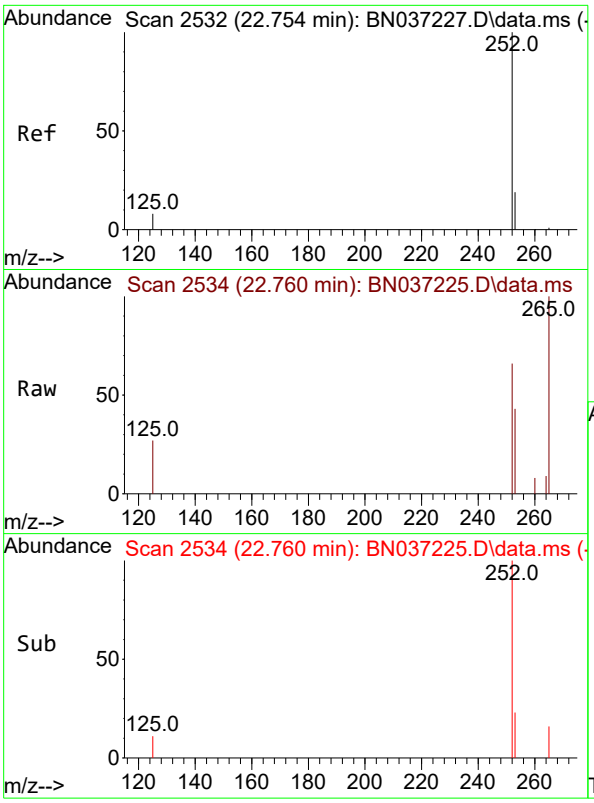


#37
Benzo(b)fluoranthene
Concen: 0.089 ng
RT: 22.719 min Scan# 2520
Delta R.T. 0.006 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:252 Resp: 529

Ion	Ratio	Lower	Upper
252	100		
253	62.7	24.9	37.3#
125	42.3	12.9	19.3#

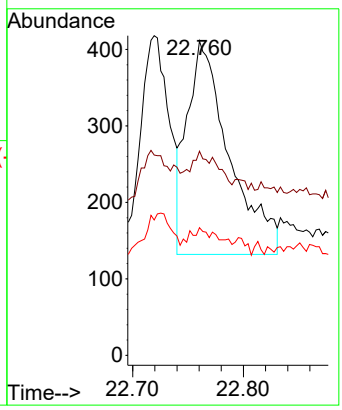




#38
Benzo(k)fluoranthene
Concen: 0.109 ng m
RT: 22.760 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:252 Resp: 74

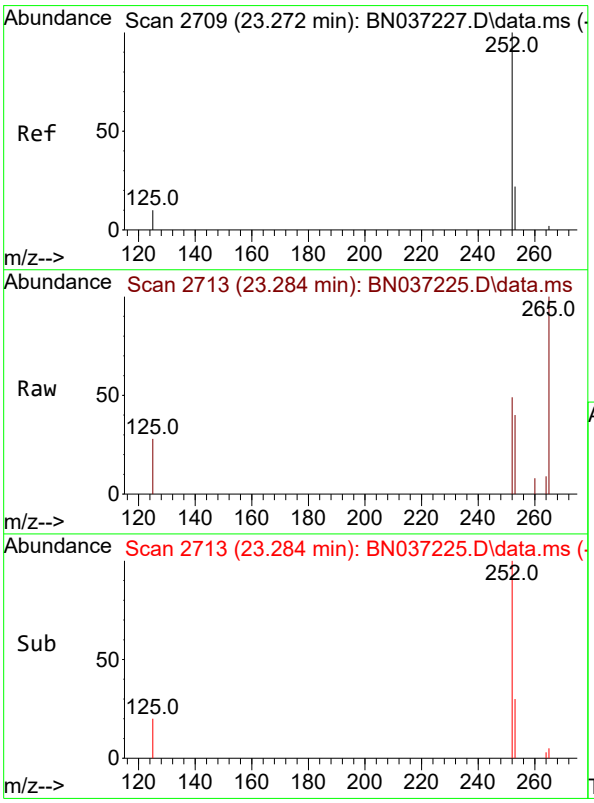
Ion	Ratio	Lower	Upper
252	100		
253	65.0	24.6	37.0#
125	40.6	13.4	20.2#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
APPROVED

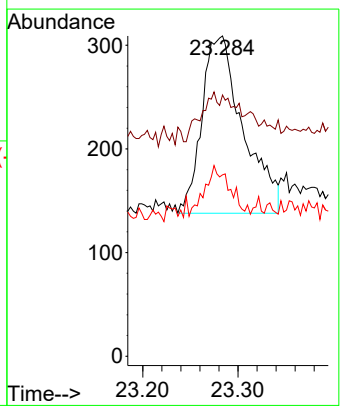
Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

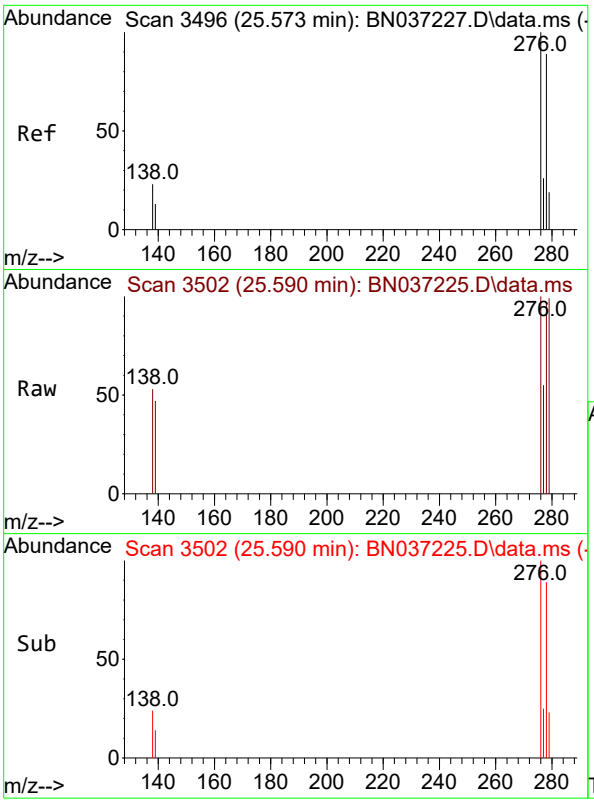


#39
Benzo(a)pyrene
Concen: 0.097 ng
RT: 23.284 min Scan# 2713
Delta R.T. 0.012 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:252 Resp: 514

Ion	Ratio	Lower	Upper
252	100		
253	81.6	29.4	44.2#
125	56.6	16.2	24.2#





#40
Dibenzo(a,h)anthracene
Concen: 0.091 ng m
RT: 25.590 min Scan# 3
Delta R.T. 0.018 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

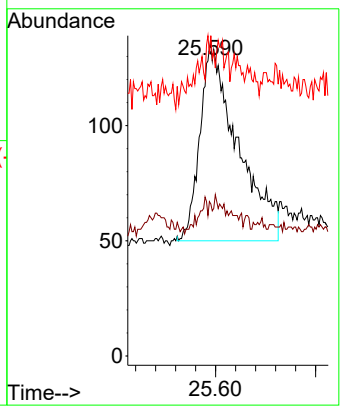
Tgt Ion:278 Resp: 44

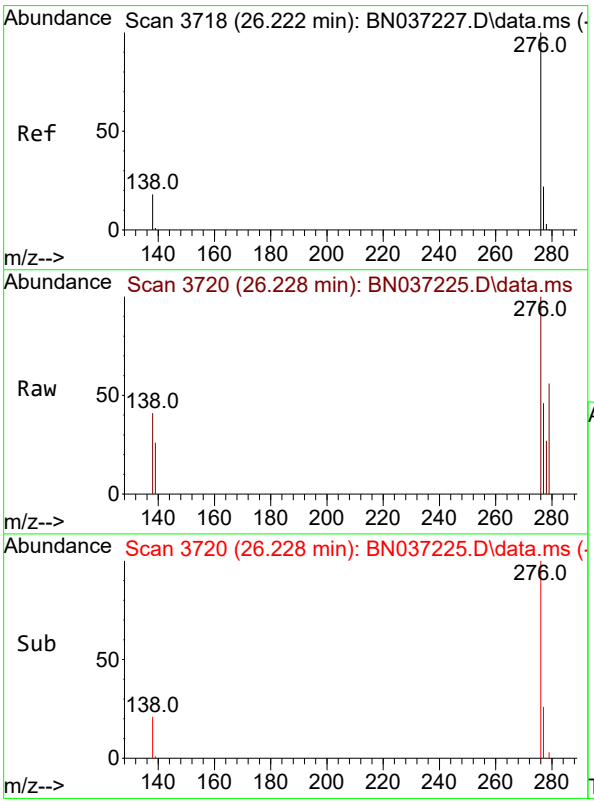
Ion	Ratio	Lower	Upper
278	100		
139	48.9	17.8	26.6#
279	103.0	31.3	46.9#

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

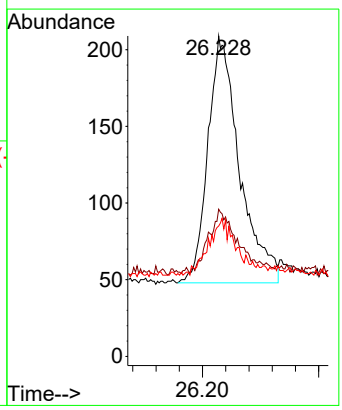




#41
Benzo(g,h,i)perylene
Concen: 0.101 ng
RT: 26.228 min Scan# 3720
Delta R.T. 0.006 min
Lab File: BN037225.D
Acq: 13 Jun 2025 13:33

Tgt Ion:276 Resp: 608

Ion	Ratio	Lower	Upper
276	100		
277	45.9	22.0	33.0#
138	40.7	18.4	27.6#



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037226.D
Acq On : 13 Jun 2025 14:10
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Jun 13 18:36:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:34:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.582	152	914	0.400	ng		0.00
7) Naphthalene-d8	10.361	136	2268	0.400	ng	#	0.00
13) Acenaphthene-d10	14.224	164	1246	0.400	ng		0.00
19) Phenanthrene-d10	16.984	188	2198	0.400	ng	#	0.01
29) Chrysene-d12	21.179	240	1908	0.400	ng		0.00
35) Perylene-d12	23.365	264	2012	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	469	0.209	ng		0.00
5) Phenol-d6	6.759	99	428	0.181	ng		0.00
8) Nitrobenzene-d5	8.739	82	345	0.154	ng		0.01
11) 2-Methylnaphthalene-d10	11.960	152	571	0.188	ng		0.00
14) 2,4,6-Tribromophenol	15.730	330	91	0.176	ng		0.00
15) 2-Fluorobiphenyl	12.853	172	953	0.182	ng		0.00
27) Fluoranthene-d10	19.017	212	1179	0.205	ng		0.00
31) Terphenyl-d14	19.625	244	806	0.187	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.104	88	312	0.249	ng		92
3) n-Nitrosodimethylamine	3.429	42	620	0.217	ng	#	95
6) bis(2-Chloroethyl)ether	7.011	93	324	0.153	ng		95
9) Naphthalene	10.404	128	1307	0.199	ng	#	88
10) Hexachlorobutadiene	10.692	225	329	0.206	ng	#	94
12) 2-Methylnaphthalene	12.036	142	719	0.180	ng		92
16) Acenaphthylene	13.946	152	1165	0.191	ng		98
17) Acenaphthene	14.288	154	753	0.191	ng		98
18) Fluorene	15.282	166	940	0.186	ng		98
20) 4,6-Dinitro-2-methylph...	15.389	198	81	0.257	ng	#	60
21) 4-Bromophenyl-phenylether	16.177	248	273	0.191	ng		98
22) Hexachlorobenzene	16.289	284	350	0.211	ng		99
23) Atrazine	16.462	200	252	0.197	ng	#	78
24) Pentachlorophenol	16.636	266	153	0.188	ng		90
25) Phenanthrene	17.021	178	1346	0.193	ng		99
26) Anthracene	17.108	178	1186	0.186	ng		98
28) Fluoranthene	19.045	202	1657	0.203	ng		97
30) Pyrene	19.412	202	1660	0.185	ng		99
32) Benzo(a)anthracene	21.162	228	1149	0.178	ng		93
33) Chrysene	21.215	228	1643	0.205	ng		94
34) Bis(2-ethylhexyl)phtha...	21.108	149	1053	0.219	ng		98
36) Indeno(1,2,3-cd)pyrene	25.564	276	1512	0.186	ng		97
37) Benzo(b)fluoranthene	22.713	252	1296	0.176	ng	#	85
38) Benzo(k)fluoranthene	22.757	252	1512	0.179	ng	#	81
39) Benzo(a)pyrene	23.275	252	1215	0.184	ng	#	71
40) Dibenzo(a,h)anthracene	25.576	278	1109	0.181	ng	#	76
41) Benzo(g,h,i)perylene	26.225	276	1469	0.195	ng	#	88

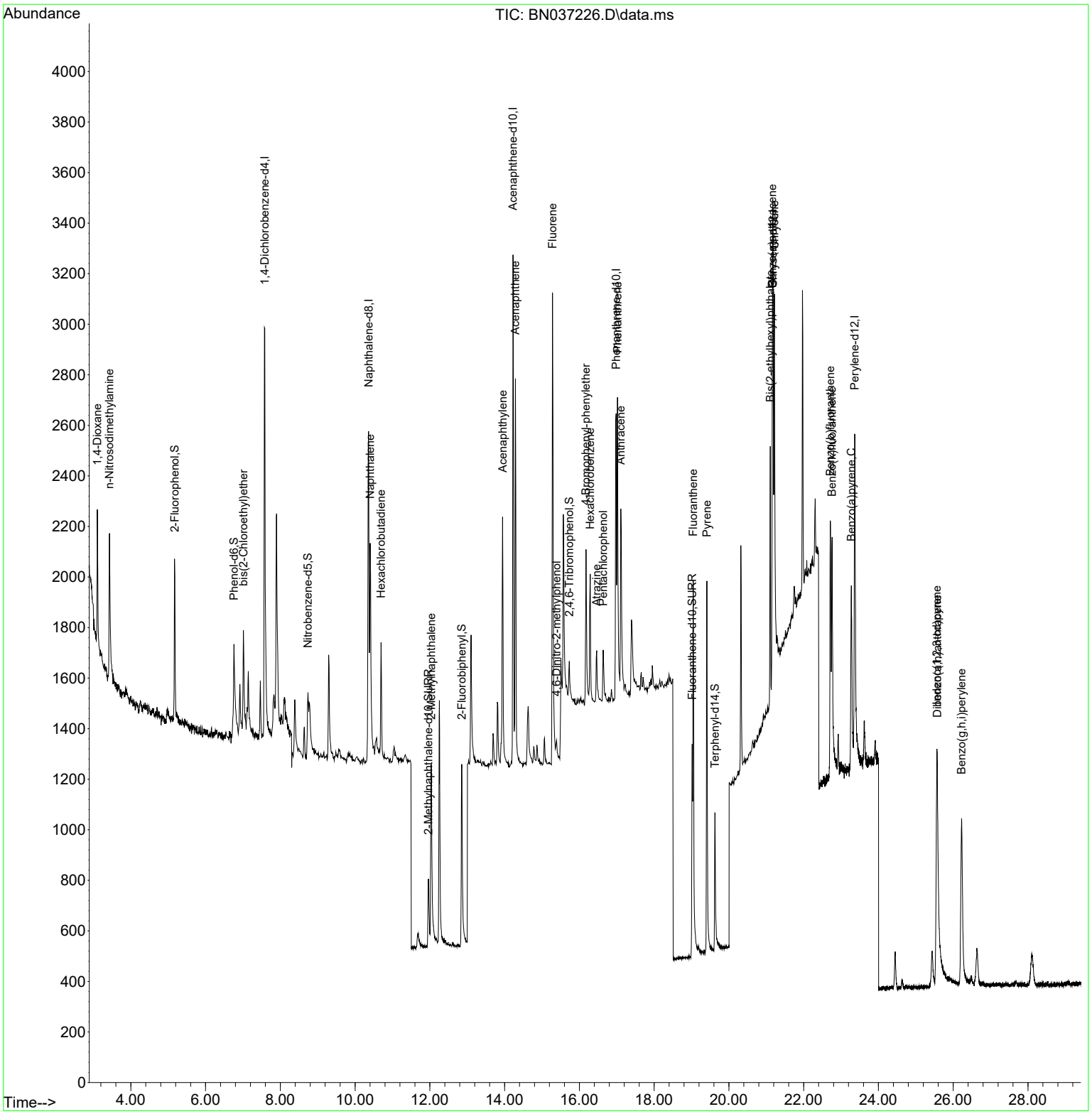
(#) = qualifier out of range (m) = manual integration (+) = signals summed

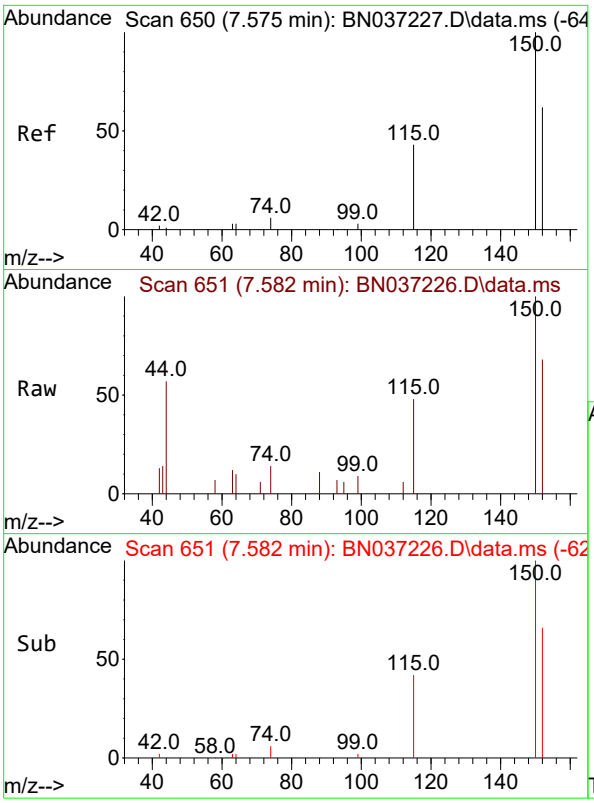
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037226.D
Acq On : 13 Jun 2025 14:10
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Jun 13 18:36:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:34:15 2025
Response via : Initial Calibration



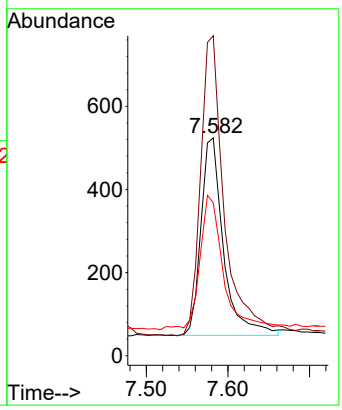


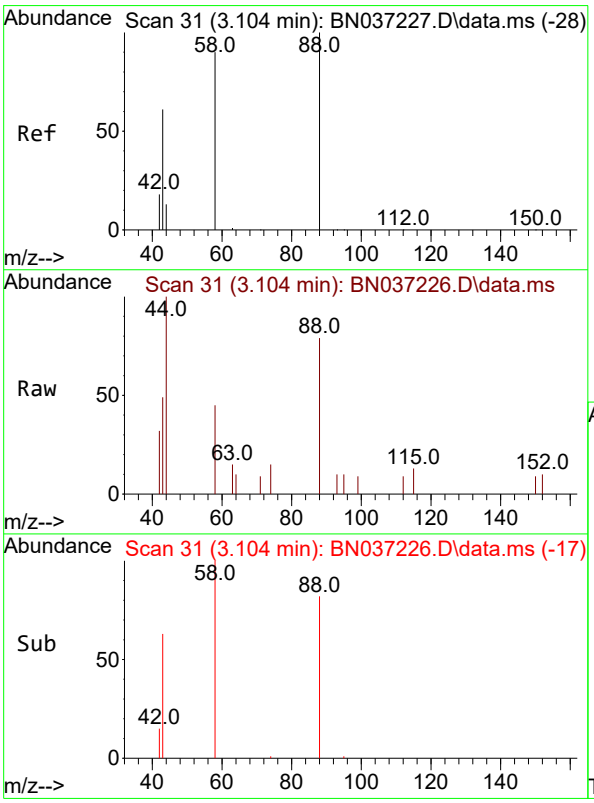
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.582 min Scan# 6
Delta R.T. 0.007 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 914

Ion	Ratio	Lower	Upper
152	100		
150	146.9	125.2	187.8
115	70.2	58.4	87.6

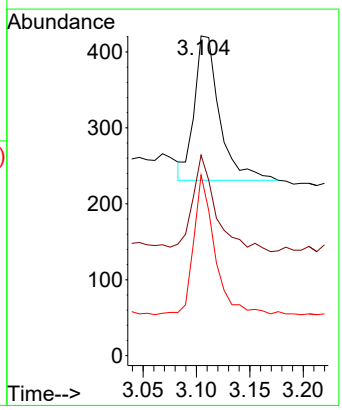


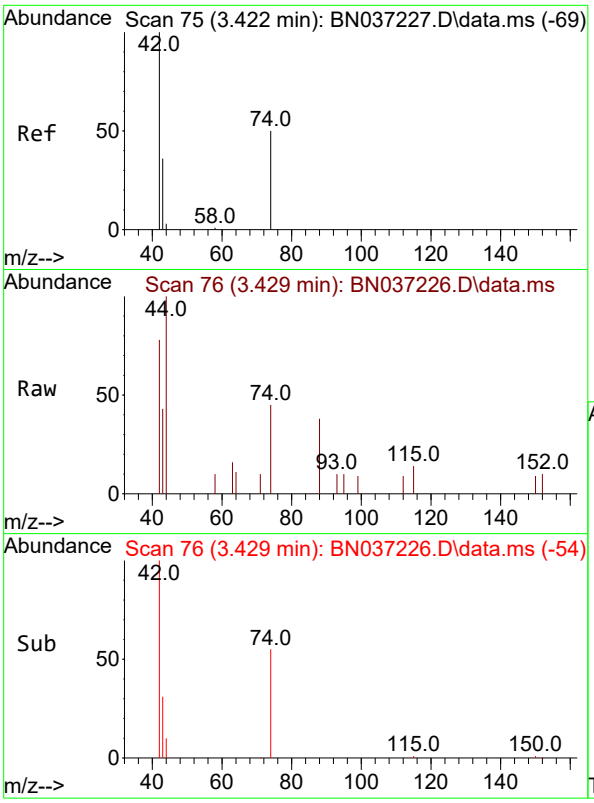


#2
1,4-Dioxane
Concen: 0.249 ng
RT: 3.104 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Tgt Ion: 88 Resp: 312

Ion	Ratio	Lower	Upper
88	100		
43	63.1	52.6	79.0
58	80.8	73.5	110.3



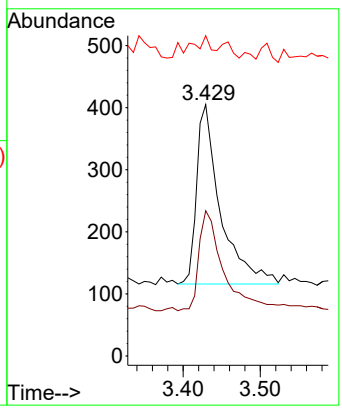


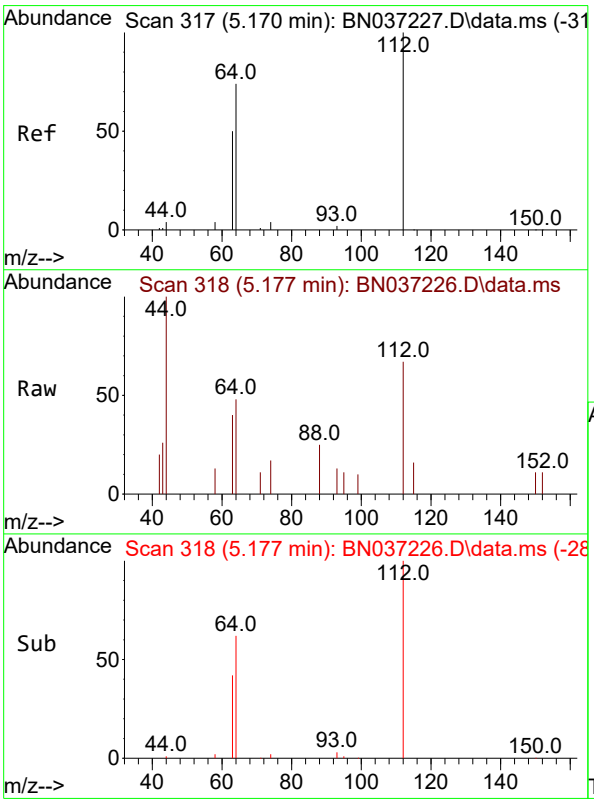
#3
n-Nitrosodimethylamine
Concen: 0.217 ng
RT: 3.429 min Scan# 7
Delta R.T. 0.007 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 42 Resp: 620

Ion	Ratio	Lower	Upper
42	100		
74	58.5	44.6	66.8
44	0.0	3.5	5.3#

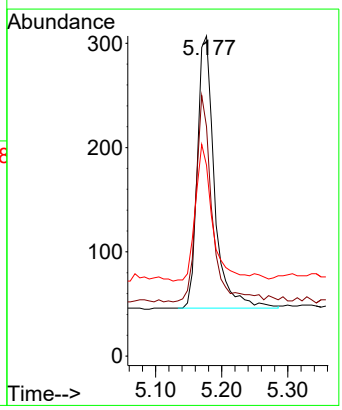


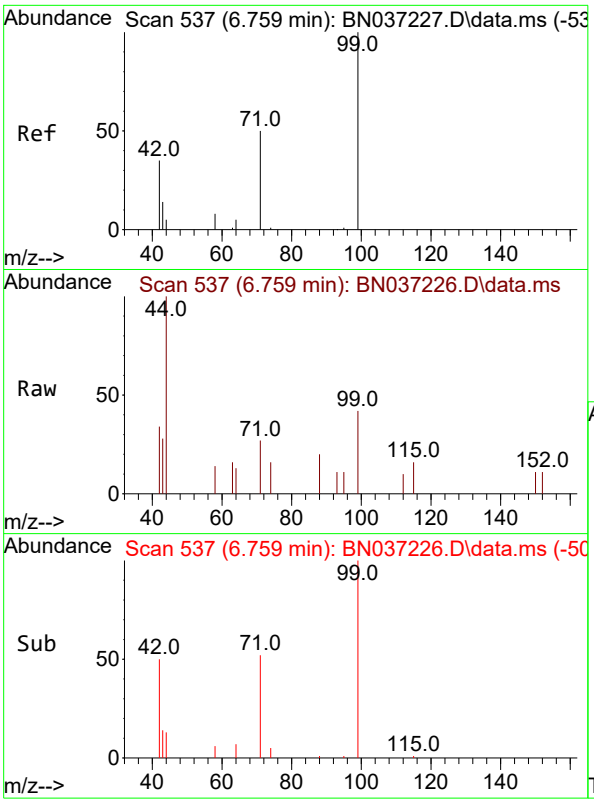


#4
2-Fluorophenol
Concen: 0.209 ng
RT: 5.177 min Scan# 318
Delta R.T. 0.007 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Tgt Ion:112 Resp: 469

Ion	Ratio	Lower	Upper
112	100		
64	71.4	57.2	85.8
63	49.9	39.8	59.6



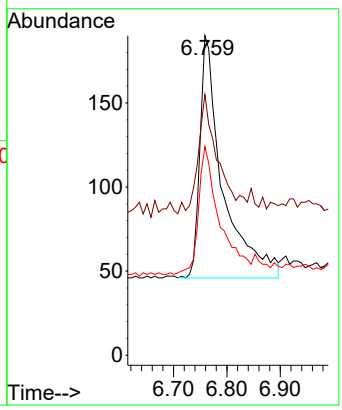


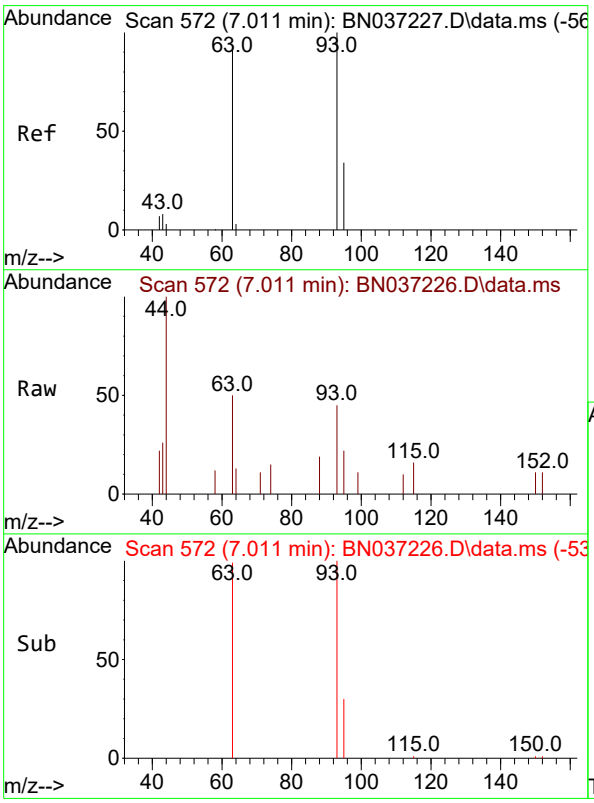
#5
Phenol-d6
Concen: 0.181 ng
RT: 6.759 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 428

Ion	Ratio	Lower	Upper
99	100		
42	42.8	36.2	54.4
71	48.6	42.4	63.6

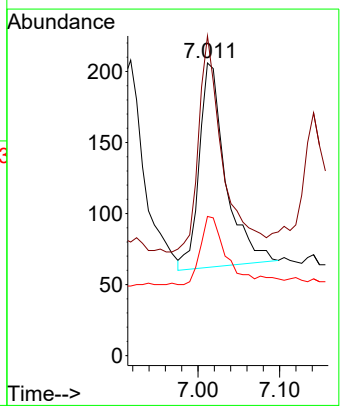


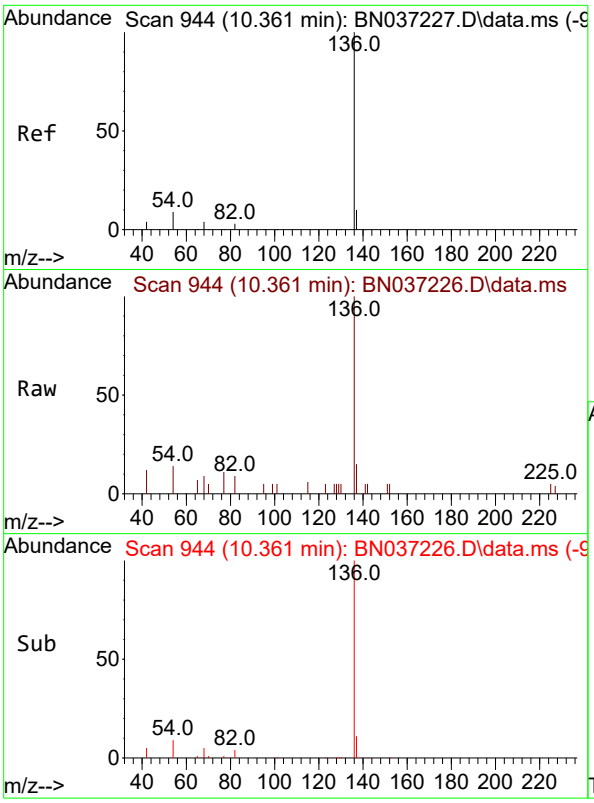


#6
bis(2-Chloroethyl)ether
Concen: 0.153 ng
RT: 7.011 min Scan# 572
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Tgt Ion: 93 Resp: 324

Ion	Ratio	Lower	Upper
93	100		
63	98.1	75.2	112.8
95	31.5	28.3	42.5



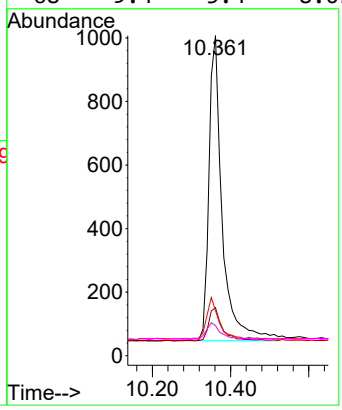


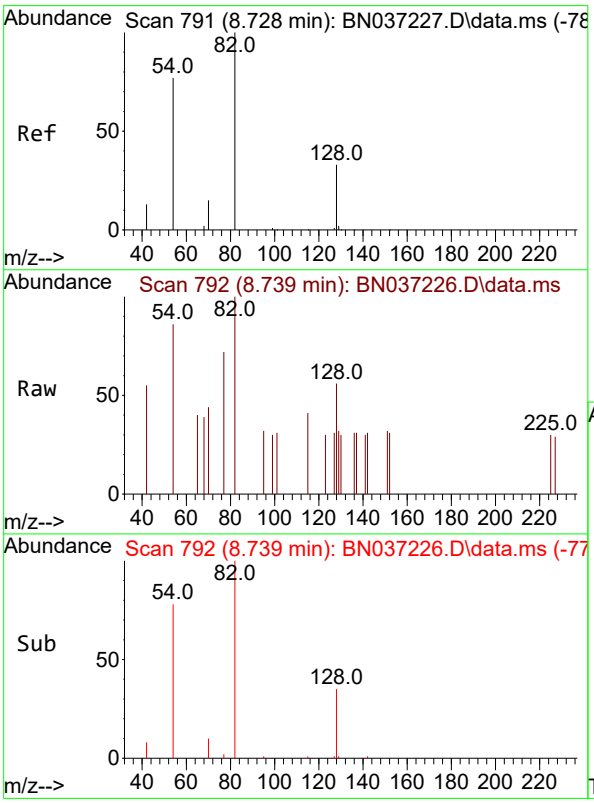
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.361 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:136 Resp: 2268

Ion	Ratio	Lower	Upper
136	100		
137	15.0	10.6	15.8
54	14.1	9.2	13.8#
68	9.4	5.4	8.0#

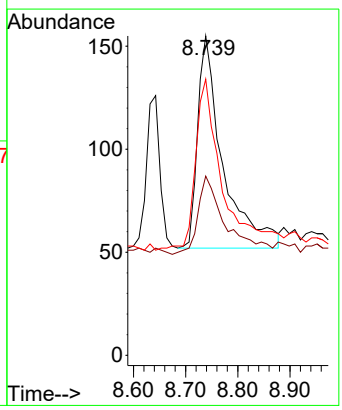


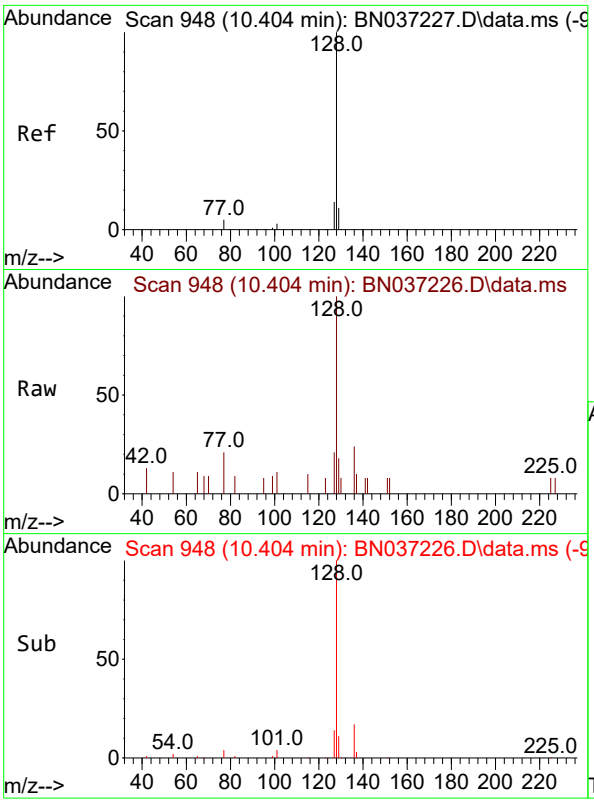


#8
Nitrobenzene-d5
Concen: 0.154 ng
RT: 8.739 min Scan# 792
Delta R.T. 0.011 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Tgt Ion: 82 Resp: 345

Ion	Ratio	Lower	Upper
82	100		
128	56.1	31.2	46.8#
54	86.5	63.3	94.9



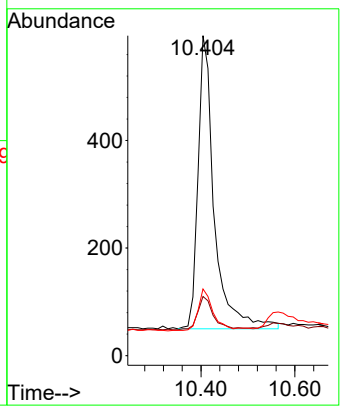


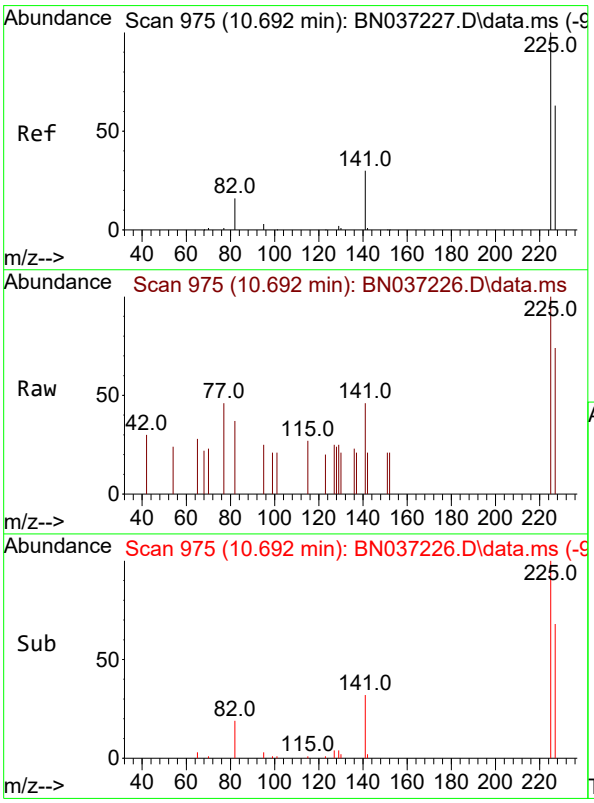
#9
Naphthalene
Concen: 0.199 ng
RT: 10.404 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 1307

Ion	Ratio	Lower	Upper
128	100		
129	18.5	10.7	16.1#
127	20.8	12.6	19.0#

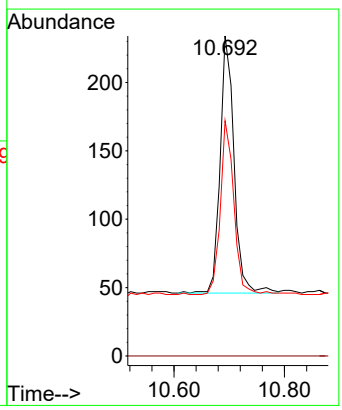


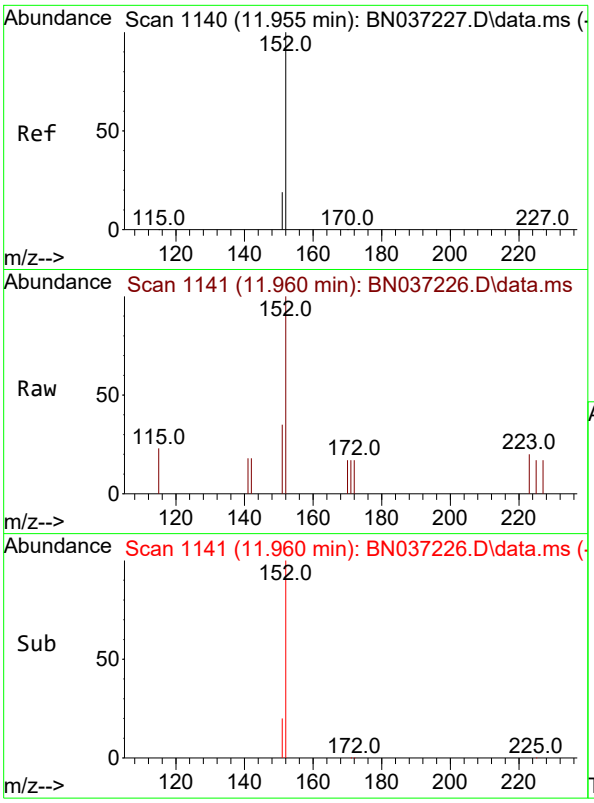


#10
Hexachlorobutadiene
Concen: 0.206 ng
RT: 10.692 min Scan# 975
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Tgt Ion:225 Resp: 329

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	66.3	49.2	73.8



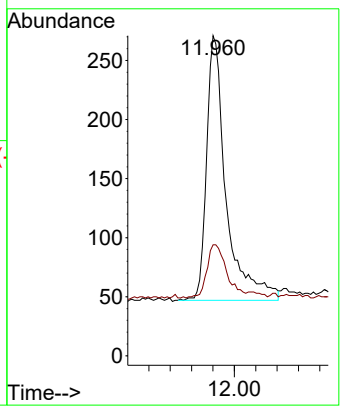


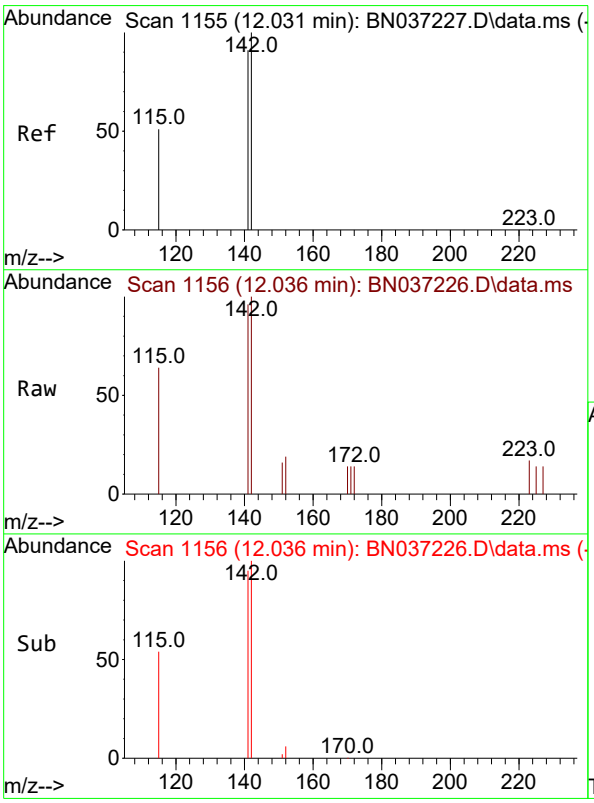
#11
2-Methylnaphthalene-d10
Concen: 0.188 ng
RT: 11.960 min Scan# 11
Delta R.T. 0.005 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 571

Ion	Ratio	Lower	Upper
152	100		
151	20.5	17.9	26.9

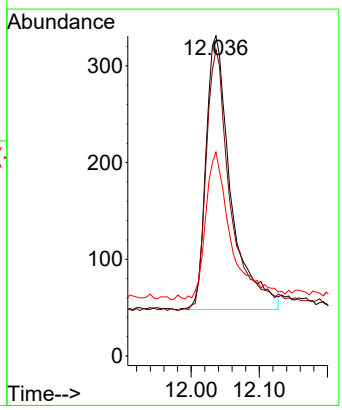


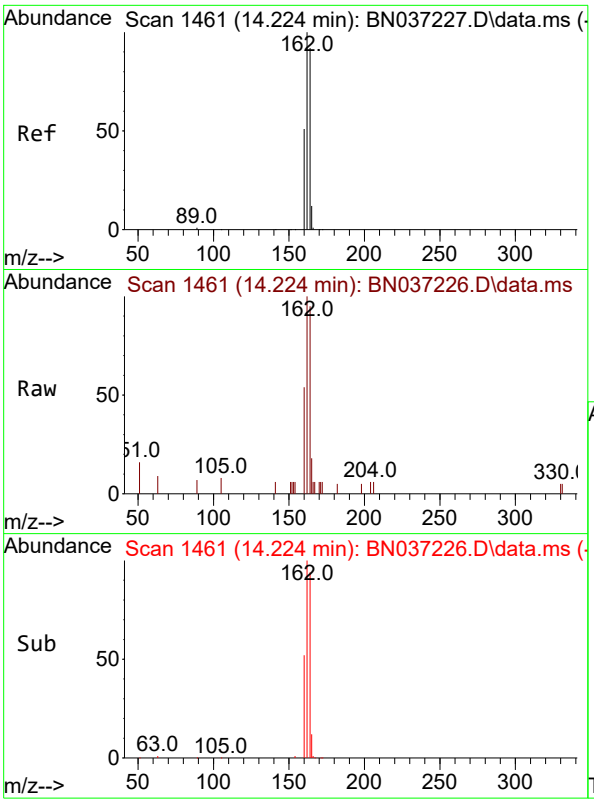


#12
2-Methylnaphthalene
Concen: 0.180 ng
RT: 12.036 min Scan# 1156
Delta R.T. 0.005 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Tgt Ion:142 Resp: 719

Ion	Ratio	Lower	Upper
142	100		
141	95.8	73.0	109.6
115	63.7	43.3	64.9



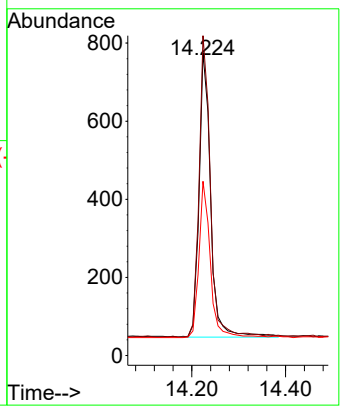


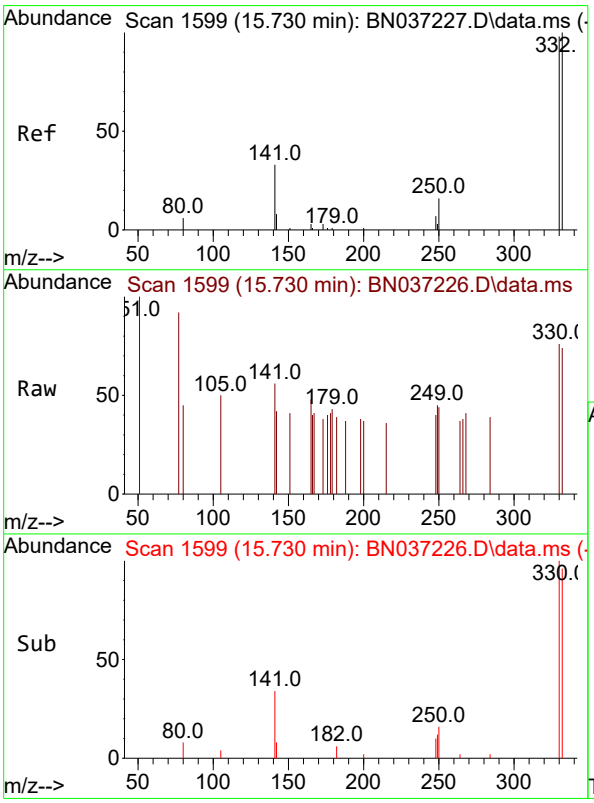
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:164 Resp: 1246

Ion	Ratio	Lower	Upper
164	100		
162	105.5	86.7	130.1
160	57.5	45.8	68.6

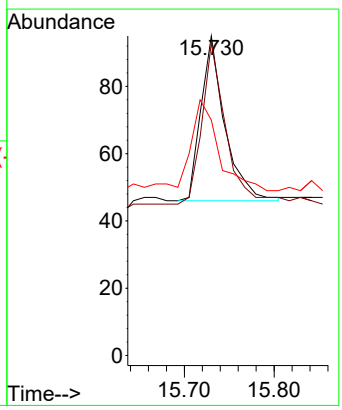


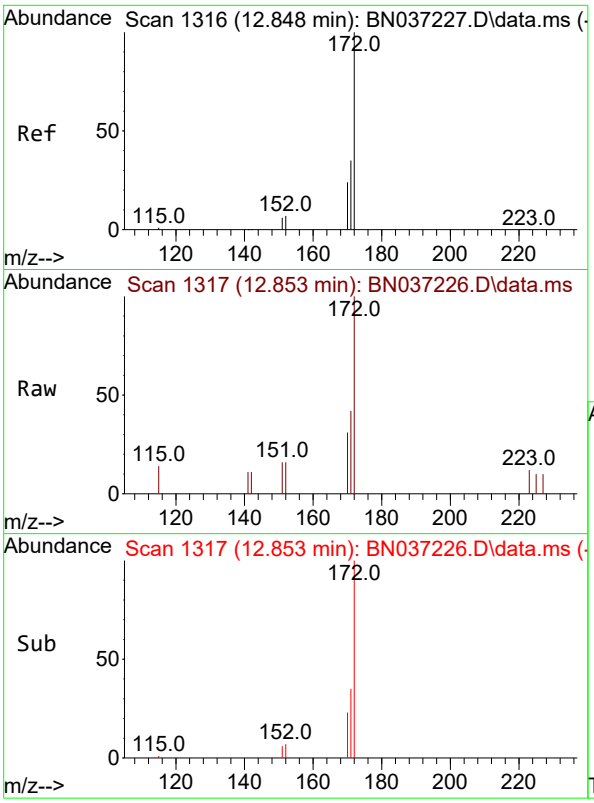


#14
2,4,6-Tribromophenol
Concen: 0.176 ng
RT: 15.730 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Tgt Ion:330 Resp: 91

Ion	Ratio	Lower	Upper
330	100		
332	101.1	74.9	112.3
141	62.6	45.1	67.7



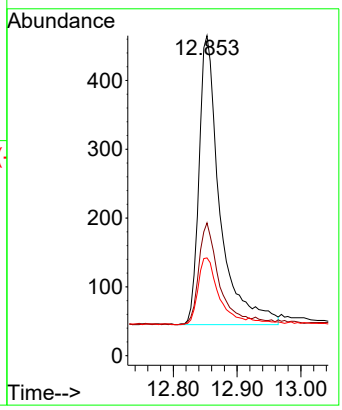


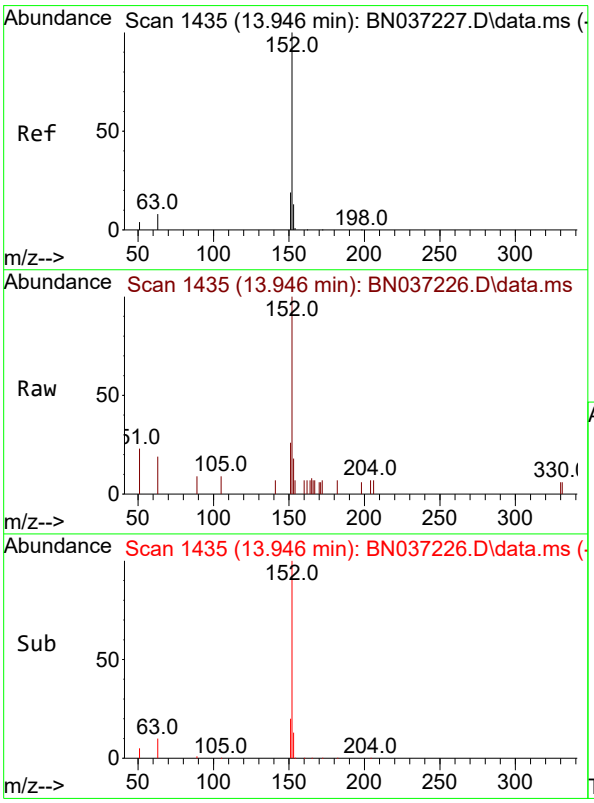
#15
2-Fluorobiphenyl
Concen: 0.182 ng
RT: 12.853 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:172 Resp: 953

Ion	Ratio	Lower	Upper
172	100		
171	41.5	29.8	44.8
170	30.5	21.1	31.7

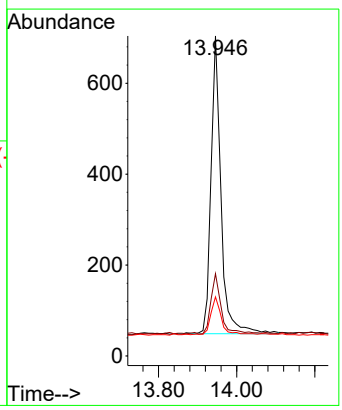


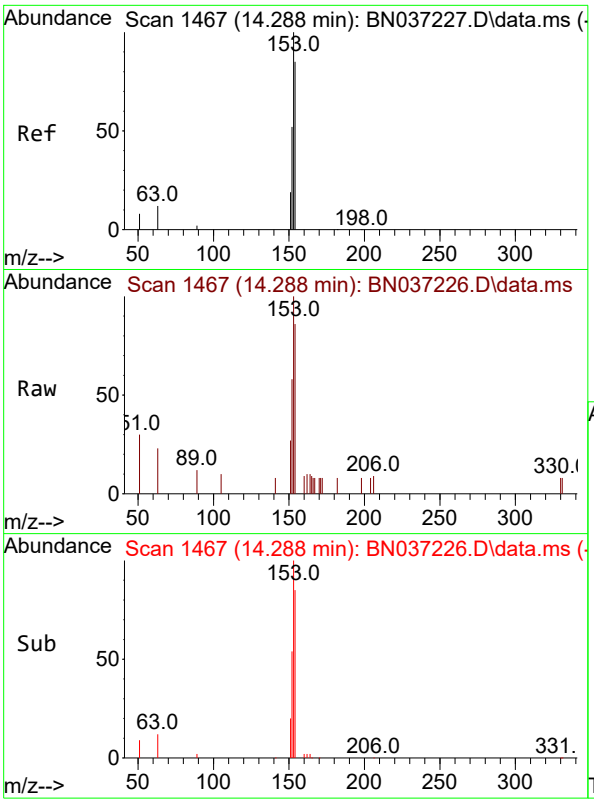


#16
Acenaphthylene
Concen: 0.191 ng
RT: 13.946 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Tgt Ion:152 Resp: 1165

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.7	23.5
153	13.7	10.7	16.1



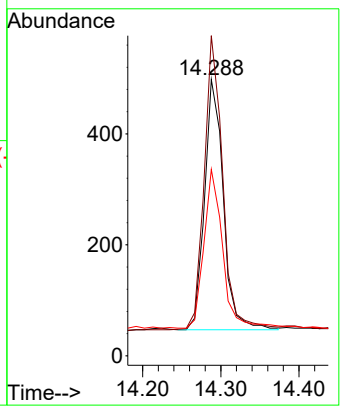


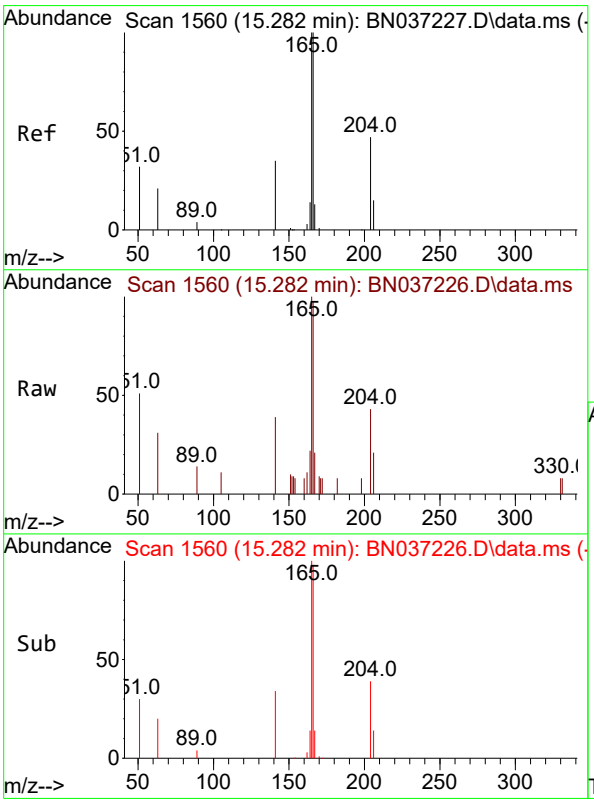
#17
Acenaphthene
Concen: 0.191 ng
RT: 14.288 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:154 Resp: 753

Ion	Ratio	Lower	Upper
154	100		
153	117.3	94.6	141.8
152	65.2	49.6	74.4

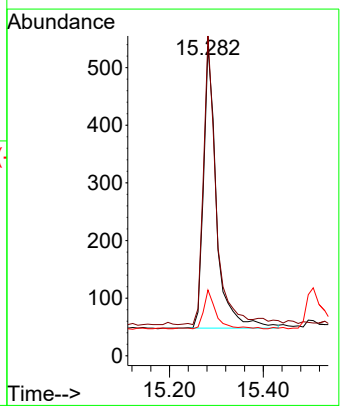


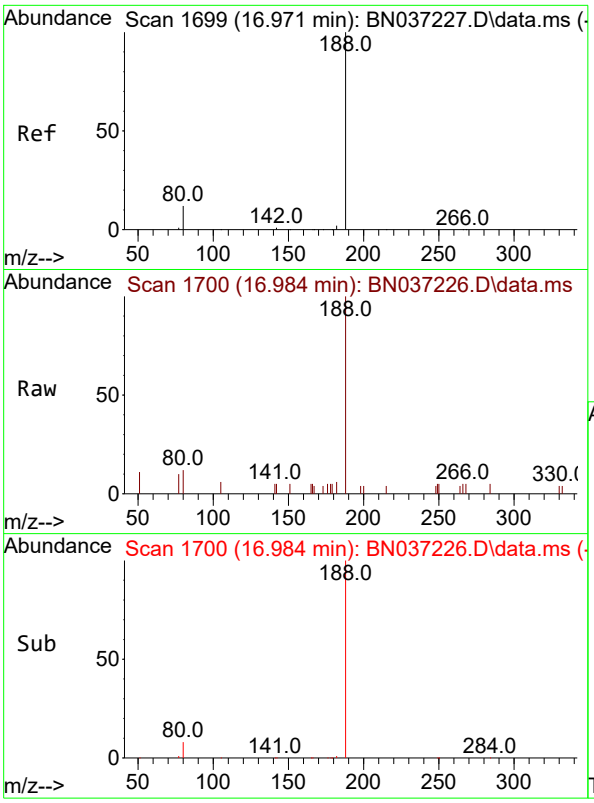


#18
Fluorene
Concen: 0.186 ng
RT: 15.282 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Tgt Ion:166 Resp: 940

Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.8	119.6
167	13.6	10.8	16.2



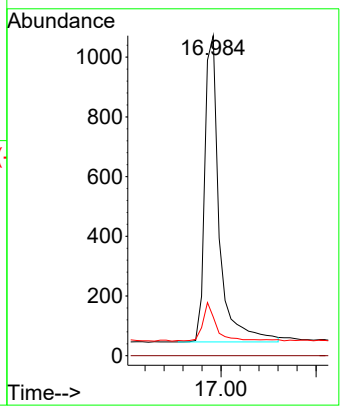


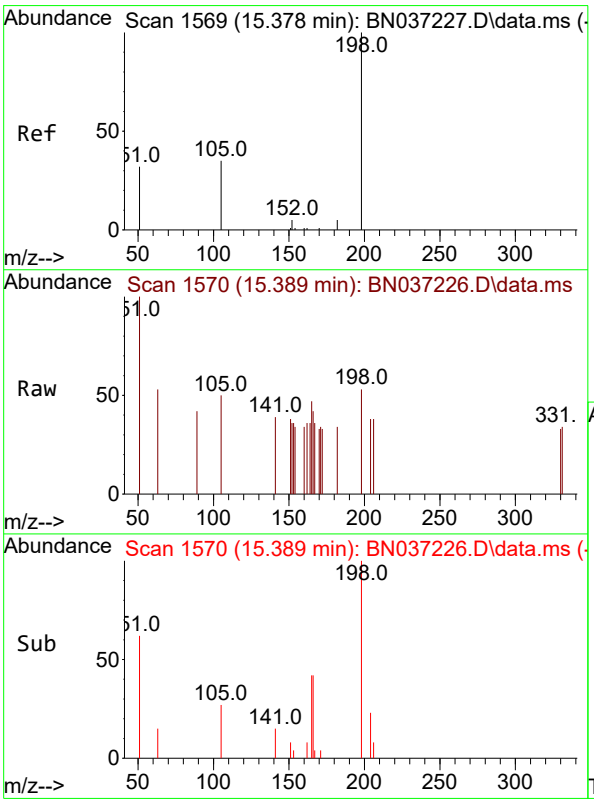
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 2198

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.1	12.2	18.4#

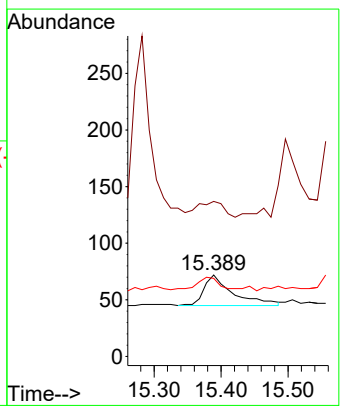


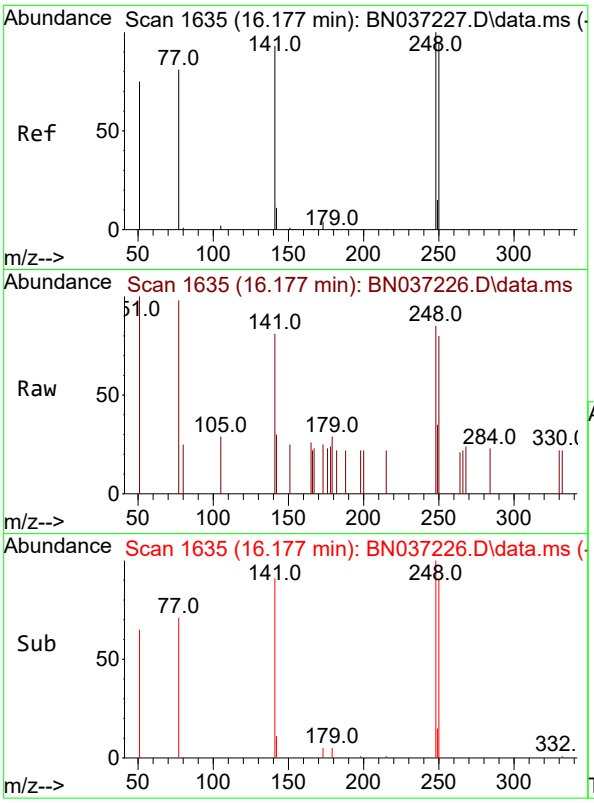


#20
4,6-Dinitro-2-methylphenol
Concen: 0.257 ng
RT: 15.389 min Scan# 1570
Delta R.T. 0.011 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Tgt Ion:198 Resp: 81

Ion	Ratio	Lower	Upper
198	100		
51	190.3	111.2	166.8#
105	95.8	54.0	81.0#



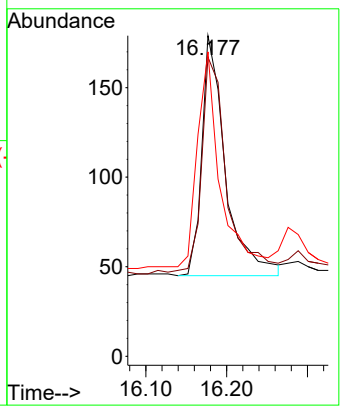


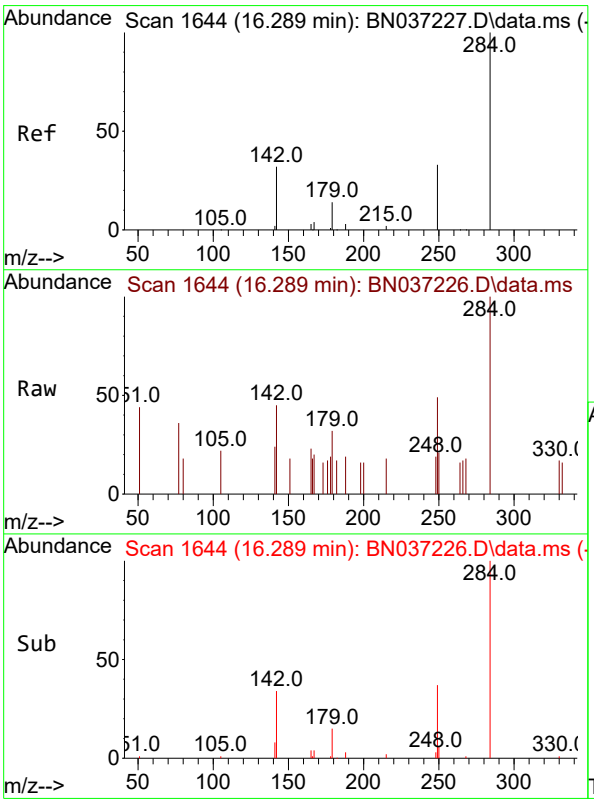
#21
4-Bromophenyl-phenylether
Concen: 0.191 ng
RT: 16.177 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:248 Resp: 273

Ion	Ratio	Lower	Upper
248	100		
250	93.3	76.8	115.2
141	95.0	75.6	113.4

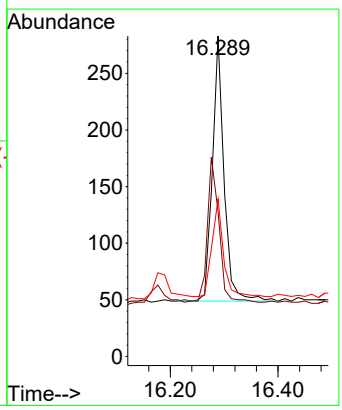


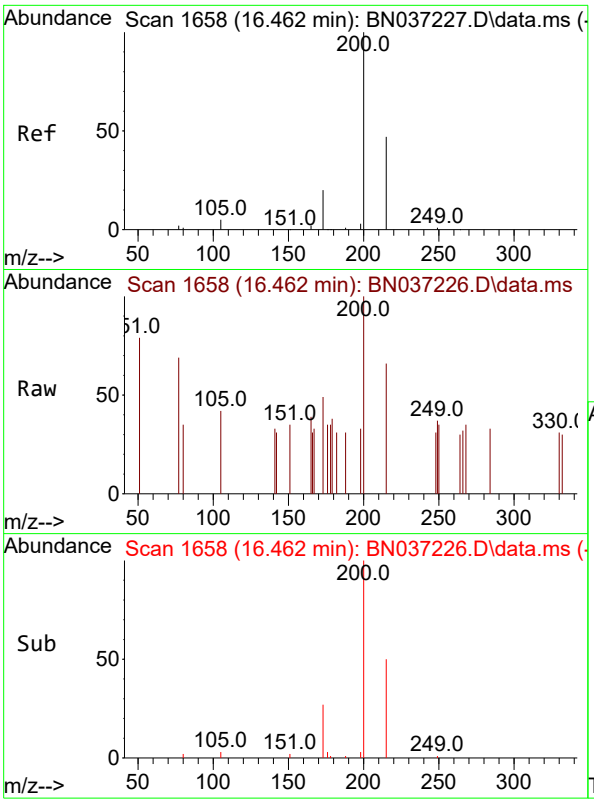


#22
Hexachlorobenzene
Concen: 0.211 ng
RT: 16.289 min Scan# 1644
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Tgt Ion:284 Resp: 350

Ion	Ratio	Lower	Upper
284	100		
142	55.1	43.8	65.6
249	36.9	28.4	42.6



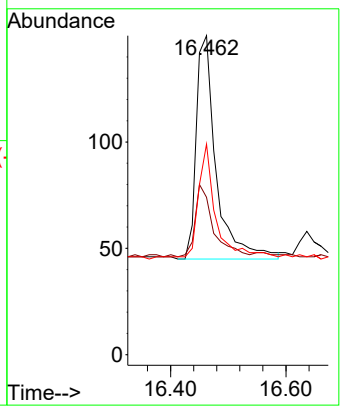


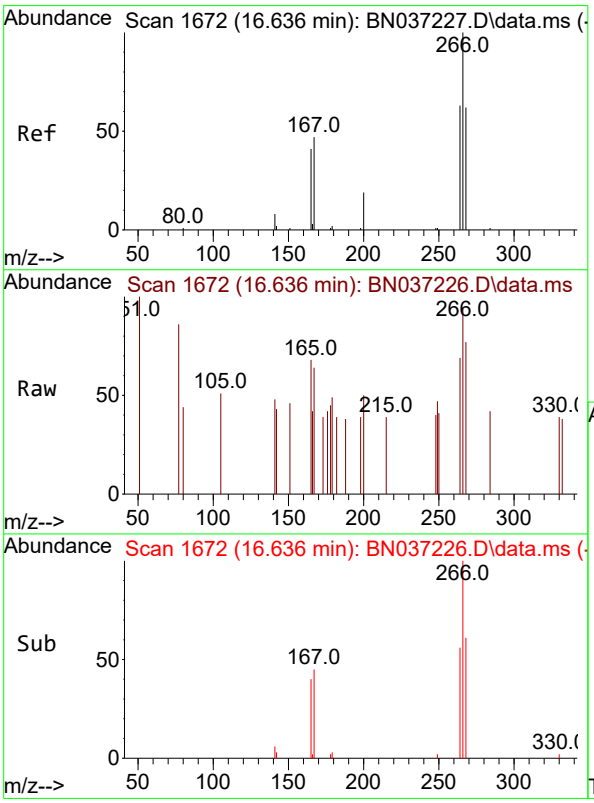
#23
Atrazine
Concen: 0.197 ng
RT: 16.462 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:200 Resp: 252

Ion	Ratio	Lower	Upper
200	100		
173	49.3	25.1	37.7#
215	66.0	43.7	65.5#

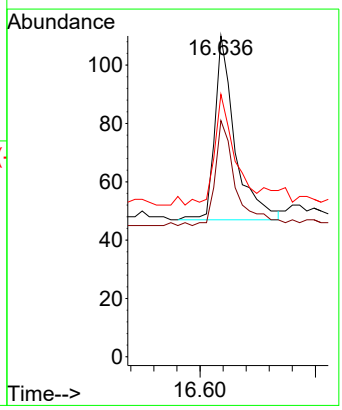


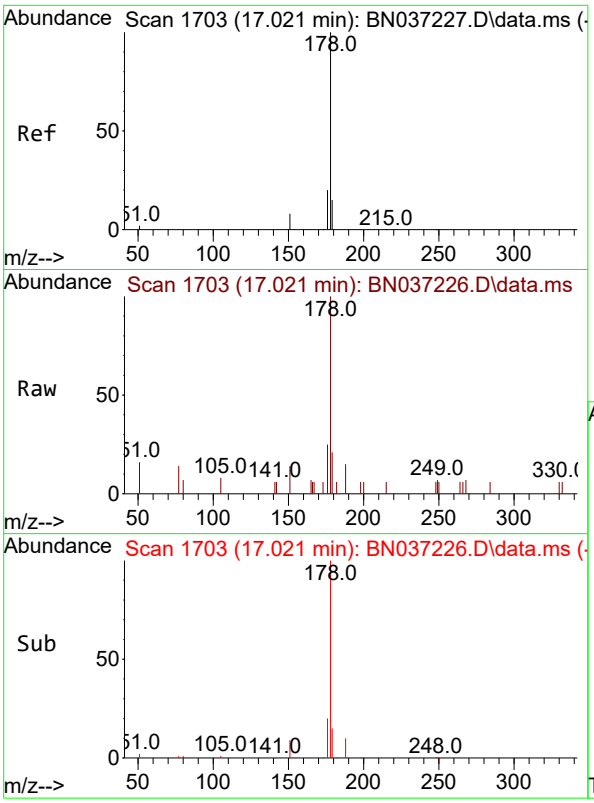


#24
Pentachlorophenol
Concen: 0.188 ng
RT: 16.636 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Tgt Ion:266 Resp: 153

Ion	Ratio	Lower	Upper
266	100		
264	58.2	49.2	73.8
268	54.2	53.4	80.2



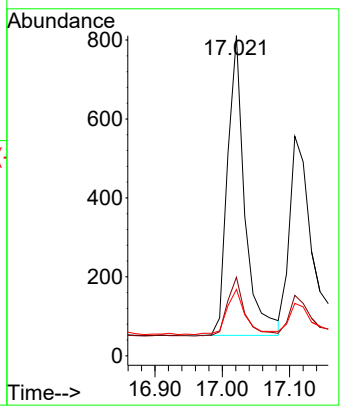


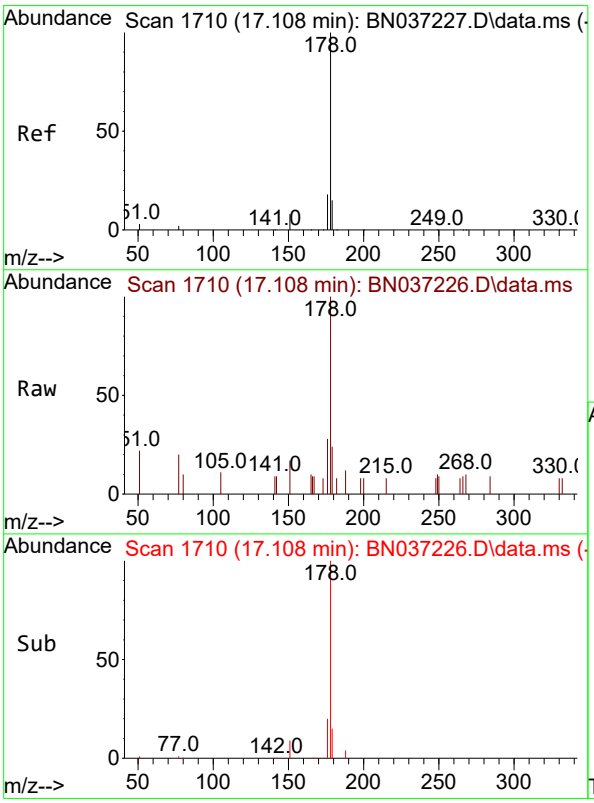
#25
Phenanthrene
Concen: 0.193 ng
RT: 17.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 1346

Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.3	24.5
179	15.9	12.6	18.8

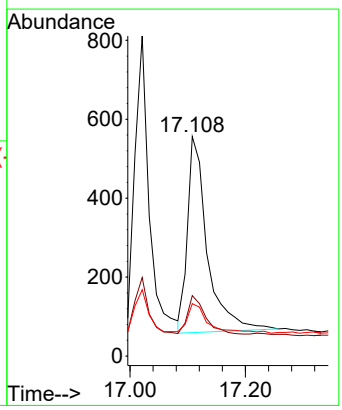


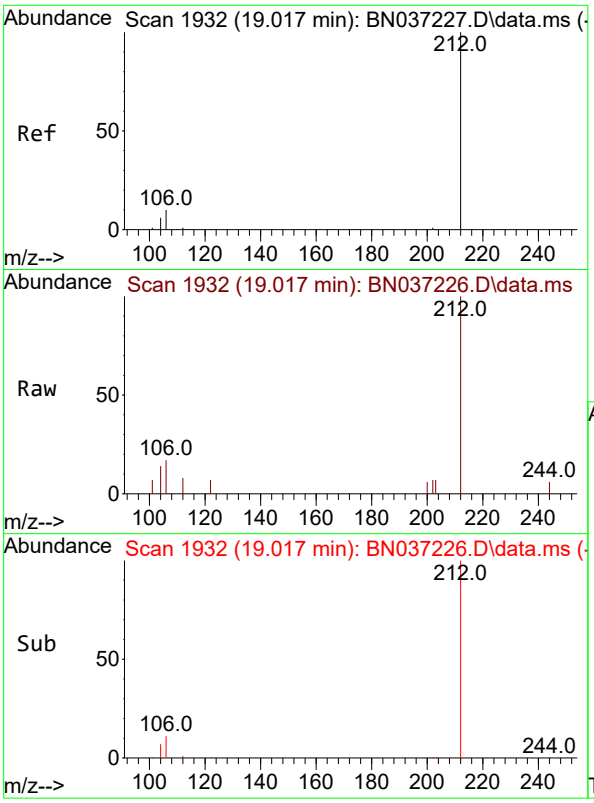


#26
Anthracene
Concen: 0.186 ng
RT: 17.108 min Scan# 1710
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Tgt Ion:178 Resp: 1186

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.1	22.7
179	16.4	12.4	18.6



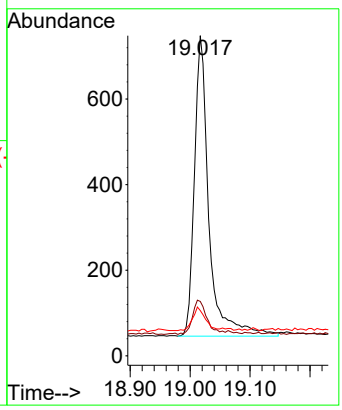


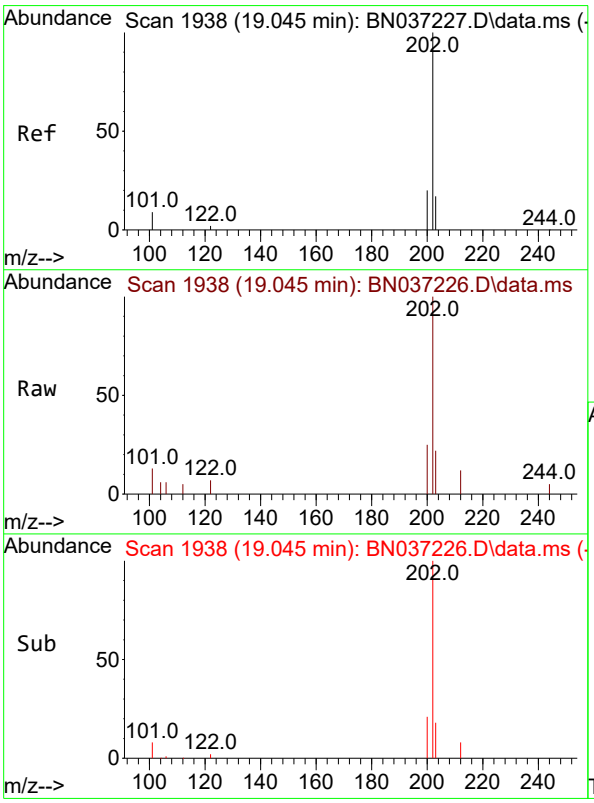
#27
Fluoranthene-d10
Concen: 0.205 ng
RT: 19.017 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:212 Resp: 1179

Ion	Ratio	Lower	Upper
212	100		
106	11.4	9.3	13.9
104	6.9	5.7	8.5

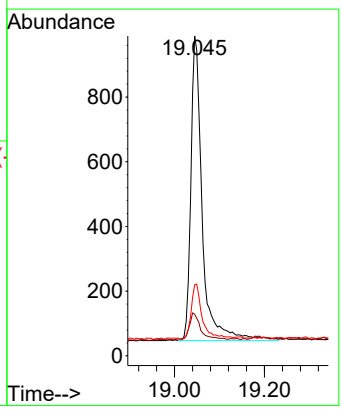


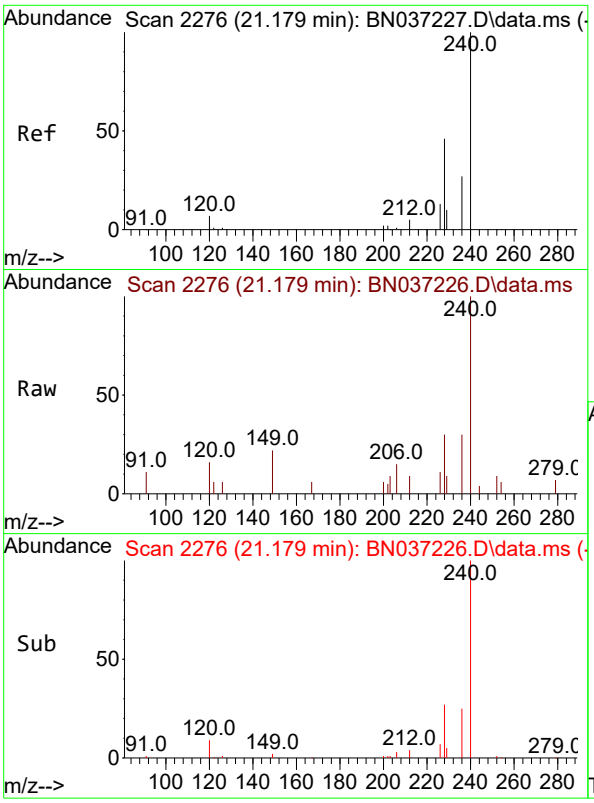


#28
Fluoranthene
Concen: 0.203 ng
RT: 19.045 min Scan# 1938
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Tgt Ion:202 Resp: 1657

Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.1	10.7
203	18.0	13.0	19.6



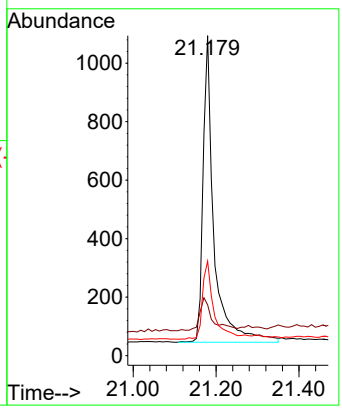


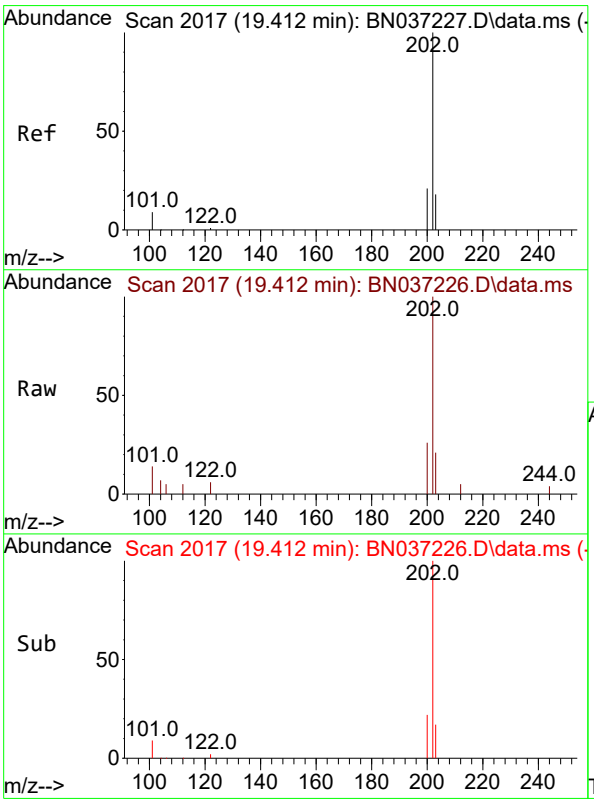
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.179 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:240 Resp: 1908

Ion	Ratio	Lower	Upper
240	100		
120	15.9	11.3	16.9
236	29.5	24.4	36.6

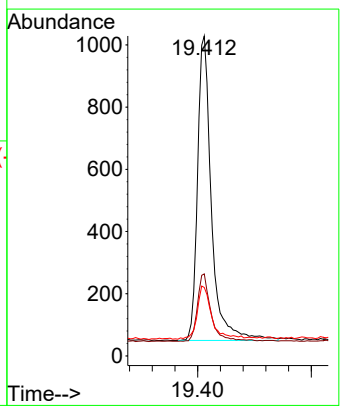


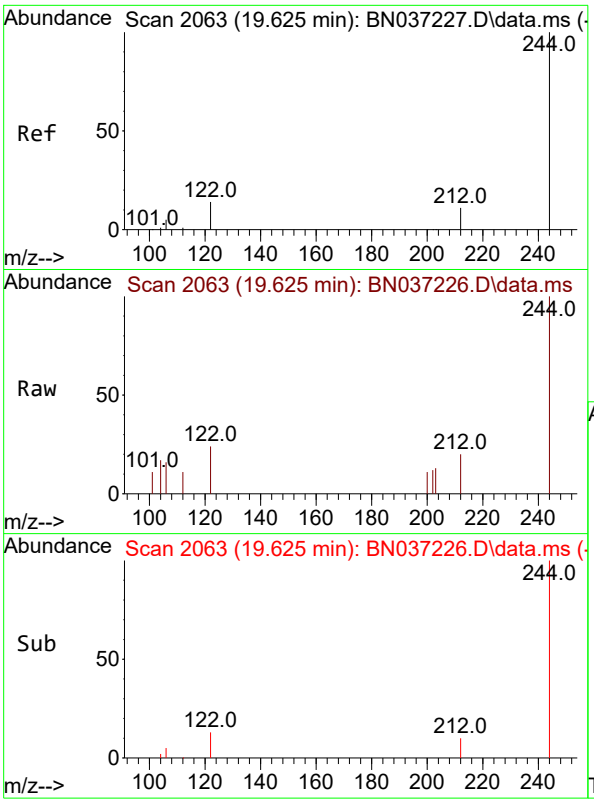


#30
Pyrene
Concen: 0.185 ng
RT: 19.412 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Tgt Ion:202 Resp: 1660

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	18.2	14.3	21.5



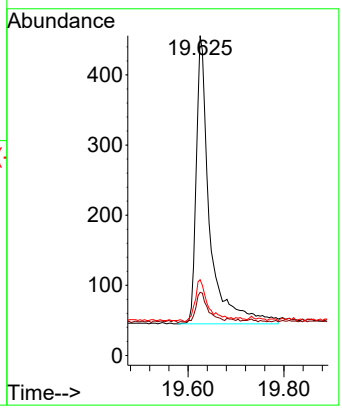


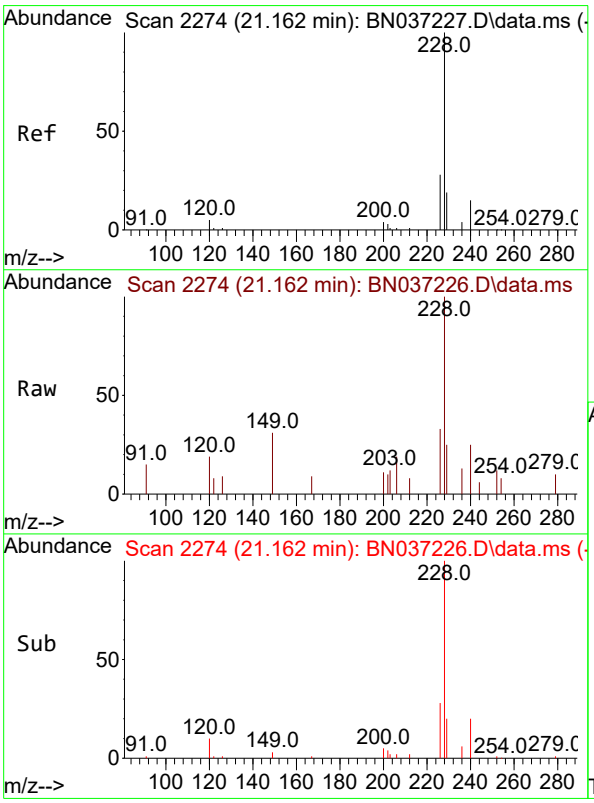
#31
Terphenyl-d14
Concen: 0.187 ng
RT: 19.625 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:244 Resp: 806

Ion	Ratio	Lower	Upper
244	100		
212	19.7	12.2	18.2#
122	23.7	14.3	21.5#

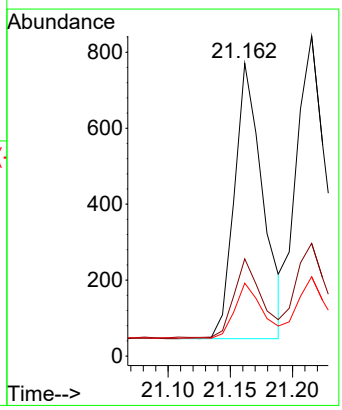


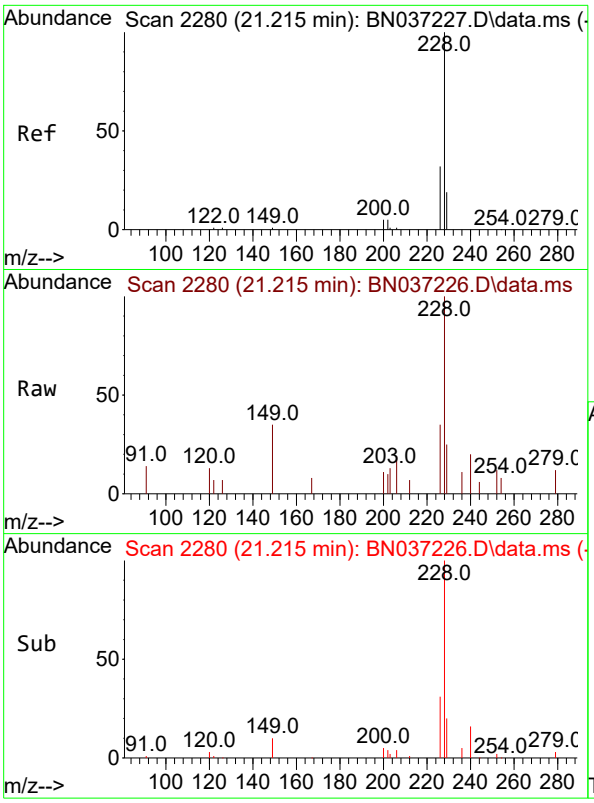


#32
Benzo(a)anthracene
Concen: 0.178 ng
RT: 21.162 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Tgt Ion:228 Resp: 1149

Ion	Ratio	Lower	Upper
228	100		
226	33.2	23.8	35.8
229	24.9	17.0	25.4



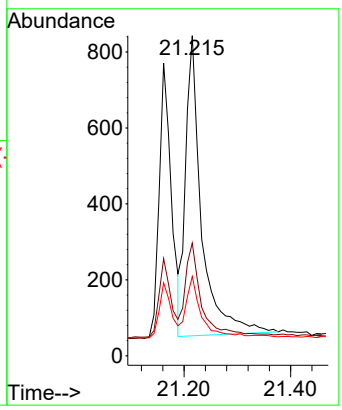


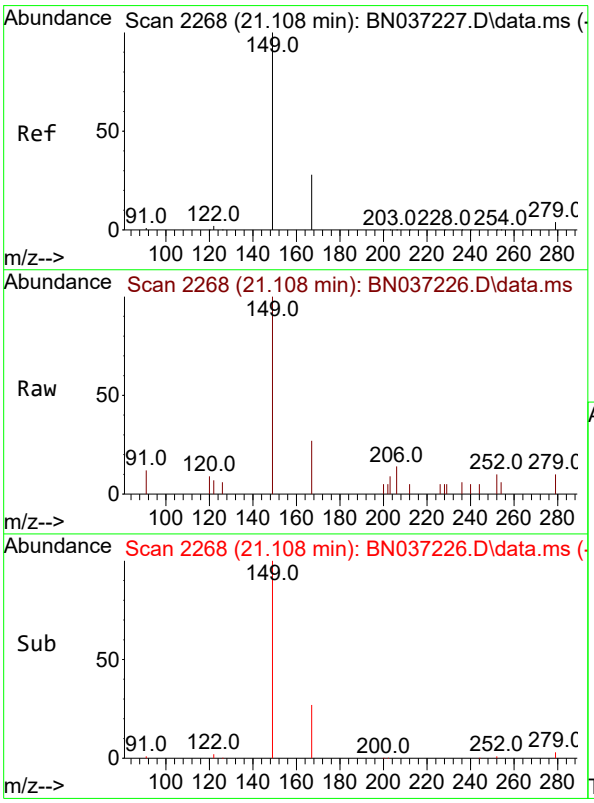
#33
Chrysene
Concen: 0.205 ng
RT: 21.215 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:228 Resp: 1643

Ion	Ratio	Lower	Upper
228	100		
226	35.2	25.8	38.6
229	24.8	17.0	25.4

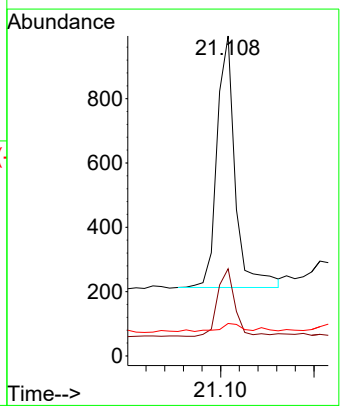


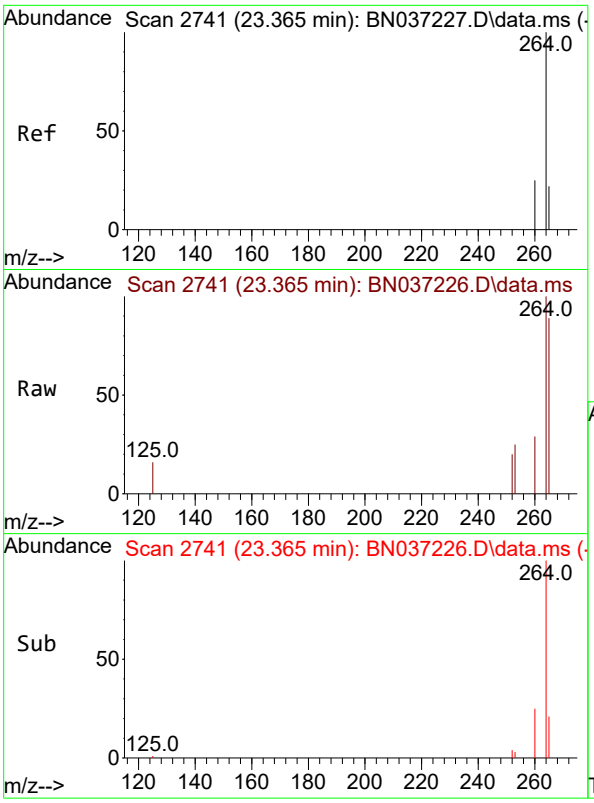


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.219 ng
RT: 21.108 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Tgt Ion:149 Resp: 1053

Ion	Ratio	Lower	Upper
149	100		
167	25.7	21.3	31.9
279	3.6	3.3	4.9



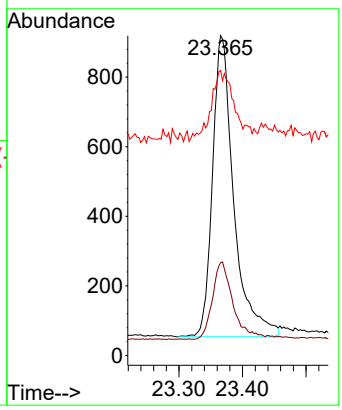


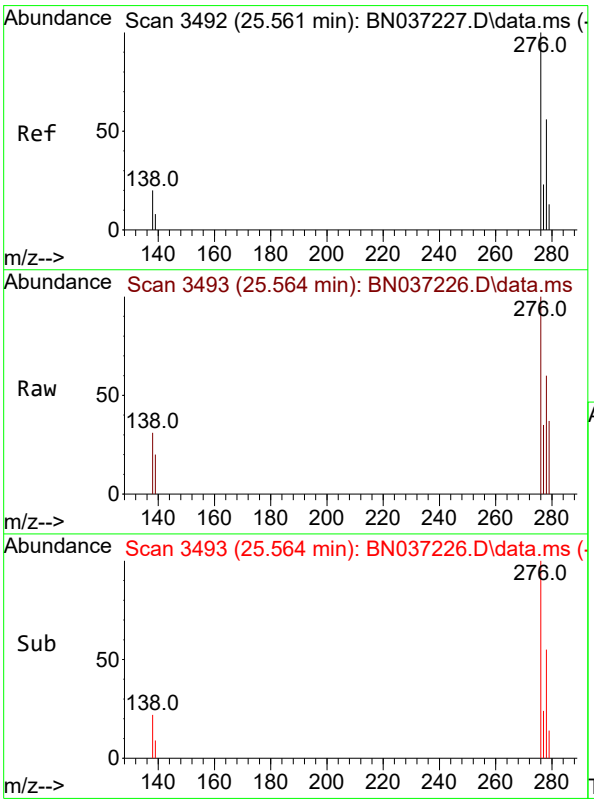
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.365 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:264 Resp: 2012

Ion	Ratio	Lower	Upper
264	100		
260	29.1	22.8	34.2
265	89.1	66.4	99.6

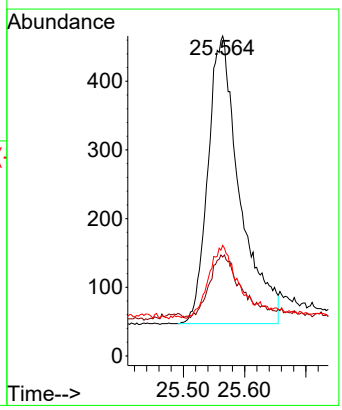


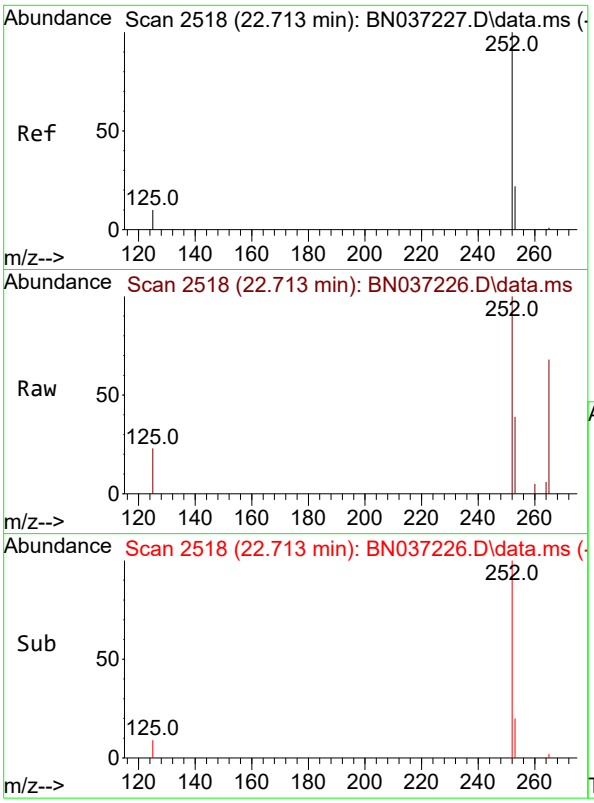


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.186 ng
RT: 25.564 min Scan# 3493
Delta R.T. 0.003 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Tgt Ion:276 Resp: 1512

Ion	Ratio	Lower	Upper
276	100		
138	20.4	16.8	25.2
277	22.5	19.5	29.3



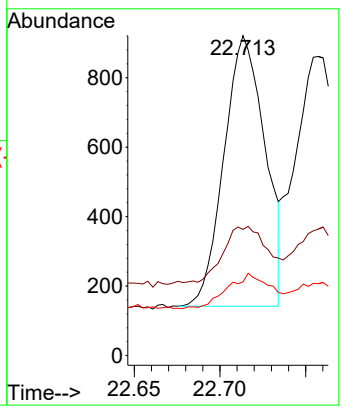


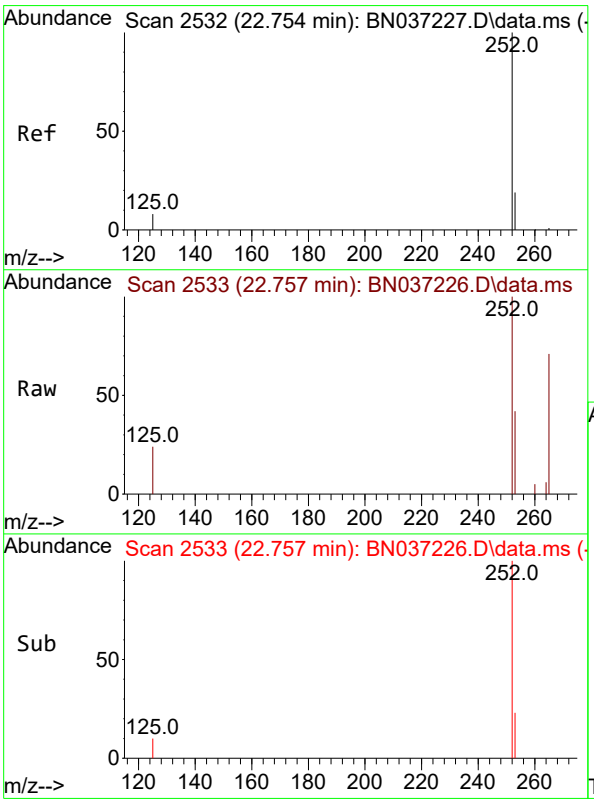
#37
Benzo(b)fluoranthene
Concen: 0.176 ng
RT: 22.713 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 1296

Ion	Ratio	Lower	Upper
252	100		
253	39.4	24.9	37.3#
125	23.0	12.9	19.3#

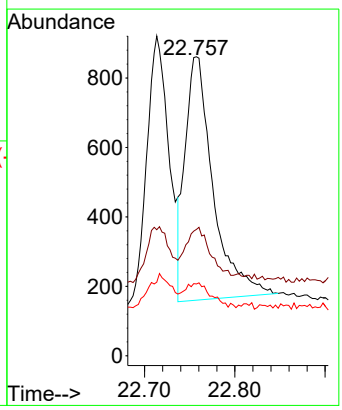


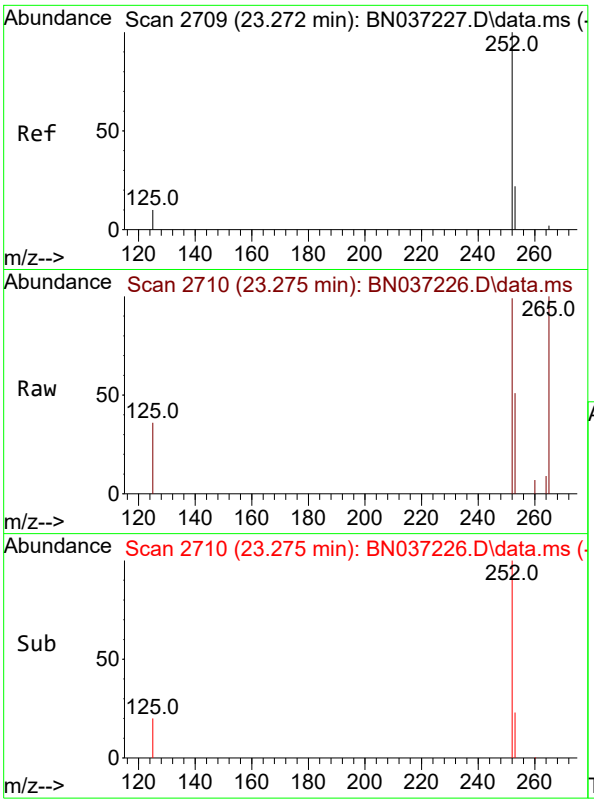


#38
Benzo(k)fluoranthene
Concen: 0.179 ng
RT: 22.757 min Scan# 2533
Delta R.T. 0.003 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Tgt Ion:252 Resp: 1512

Ion	Ratio	Lower	Upper
252	100		
253	42.3	24.6	37.0#
125	24.0	13.4	20.2#



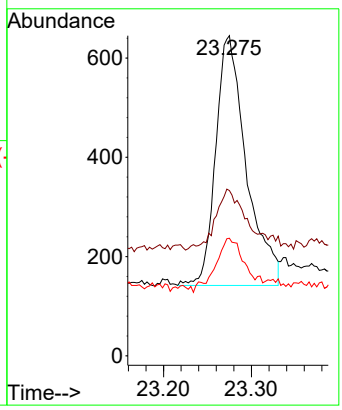


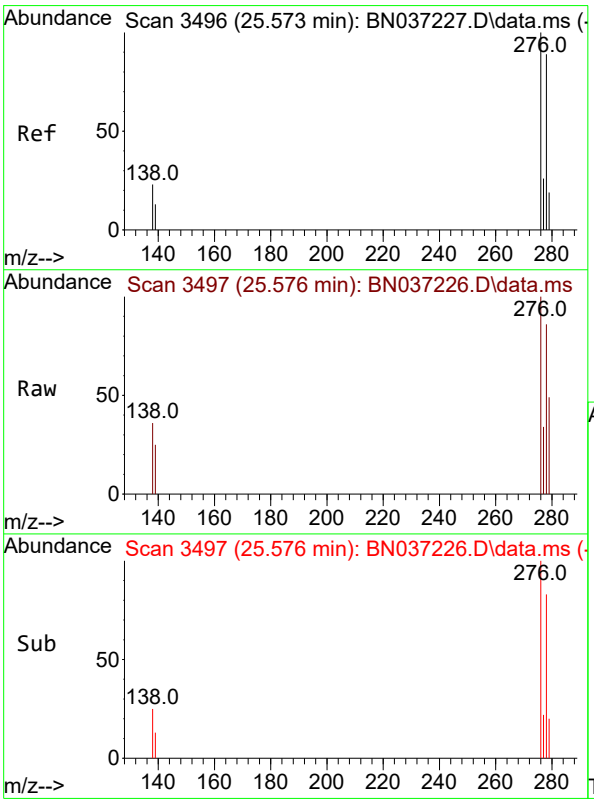
#39
Benzo(a)pyrene
Concen: 0.184 ng
RT: 23.275 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 1215

Ion	Ratio	Lower	Upper
252	100		
253	51.6	29.4	44.2#
125	36.7	16.2	24.2#

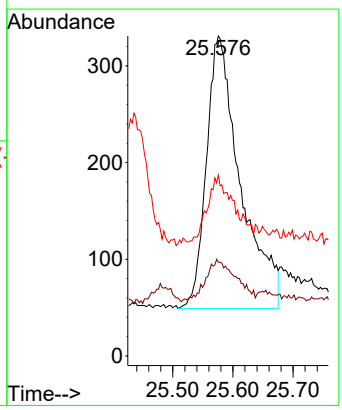


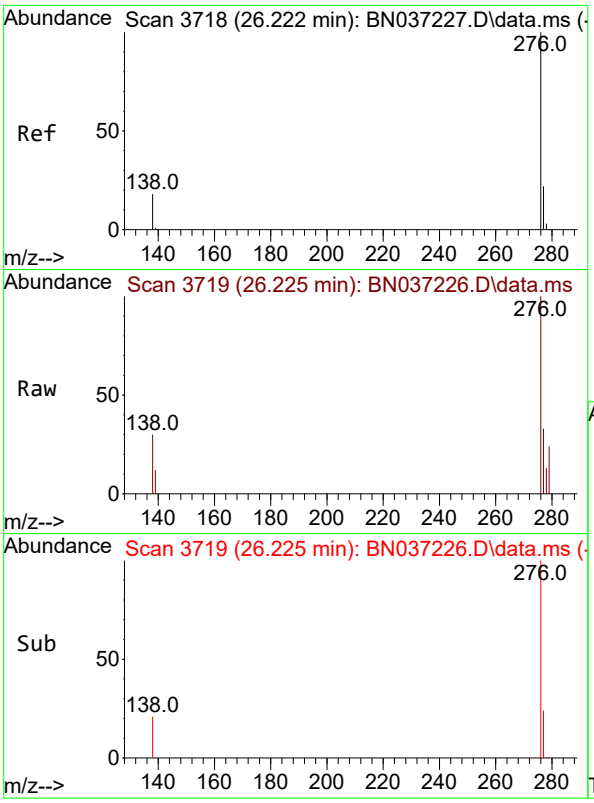


#40
Dibenzo(a,h)anthracene
Concen: 0.181 ng
RT: 25.576 min Scan# 3497
Delta R.T. 0.003 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Tgt Ion:278 Resp: 1109

Ion	Ratio	Lower	Upper
278	100		
139	29.3	17.8	26.6#
279	56.5	31.3	46.9#



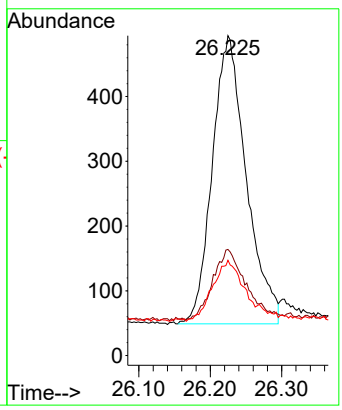


#41
Benzo(g,h,i)perylene
Concen: 0.195 ng
RT: 26.225 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN037226.D
Acq: 13 Jun 2025 14:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 1469

Ion	Ratio	Lower	Upper
276	100		
277	33.2	22.0	33.0#
138	29.8	18.4	27.6#



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037227.D
Acq On : 13 Jun 2025 14:46
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Jun 13 18:37:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:34:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.575	152	1287	0.400	ng		0.00
7) Naphthalene-d8	10.361	136	3210	0.400	ng		0.00
13) Acenaphthene-d10	14.224	164	1738	0.400	ng		0.00
19) Phenanthrene-d10	16.971	188	3195	0.400	ng		0.00
29) Chrysene-d12	21.179	240	2284	0.400	ng		0.00
35) Perylene-d12	23.365	264	2150	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.170	112	1212	0.383	ng		0.00
5) Phenol-d6	6.759	99	1239	0.372	ng		0.00
8) Nitrobenzene-d5	8.728	82	1234	0.389	ng		0.00
11) 2-Methylnaphthalene-d10	11.955	152	1787	0.415	ng		0.00
14) 2,4,6-Tribromophenol	15.730	330	298	0.413	ng		0.00
15) 2-Fluorobiphenyl	12.848	172	2952	0.404	ng		0.00
27) Fluoranthene-d10	19.017	212	3364	0.402	ng		0.00
31) Terphenyl-d14	19.625	244	2160	0.418	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.104	88	676	0.383	ng		100
3) n-Nitrosodimethylamine	3.422	42	1644	0.409	ng		100
6) bis(2-Chloroethyl)ether	7.011	93	1120	0.375	ng		100
9) Naphthalene	10.404	128	3636	0.391	ng		100
10) Hexachlorobutadiene	10.692	225	968	0.428	ng	#	100
12) 2-Methylnaphthalene	12.031	142	2261	0.400	ng		100
16) Acenaphthylene	13.946	152	3250	0.382	ng		100
17) Acenaphthene	14.288	154	2155	0.392	ng		100
18) Fluorene	15.282	166	2768	0.392	ng		100
20) 4,6-Dinitro-2-methylph...	15.378	198	211	0.368	ng		100
21) 4-Bromophenyl-phenylether	16.177	248	780	0.375	ng		100
22) Hexachlorobenzene	16.289	284	994	0.412	ng		100
23) Atrazine	16.462	200	710	0.382	ng		100
24) Pentachlorophenol	16.636	266	397	0.336	ng		100
25) Phenanthrene	17.021	178	3790	0.374	ng		100
26) Anthracene	17.108	178	3450	0.372	ng		100
28) Fluoranthene	19.045	202	4510	0.380	ng		100
30) Pyrene	19.412	202	4482	0.417	ng		100
32) Benzo(a)anthracene	21.162	228	2798	0.363	ng		100
33) Chrysene	21.215	228	3871	0.403	ng		100
34) Bis(2-ethylhexyl)phtha...	21.108	149	2338	0.407	ng		100
36) Indeno(1,2,3-cd)pyrene	25.561	276	3239	0.374	ng		100
37) Benzo(b)fluoranthene	22.713	252	2958	0.376	ng		100
38) Benzo(k)fluoranthene	22.754	252	3501	0.388	ng		100
39) Benzo(a)pyrene	23.272	252	2653	0.375	ng		100
40) Dibenzo(a,h)anthracene	25.573	278	2256	0.345	ng		100
41) Benzo(g,h,i)perylene	26.222	276	3099	0.385	ng		100

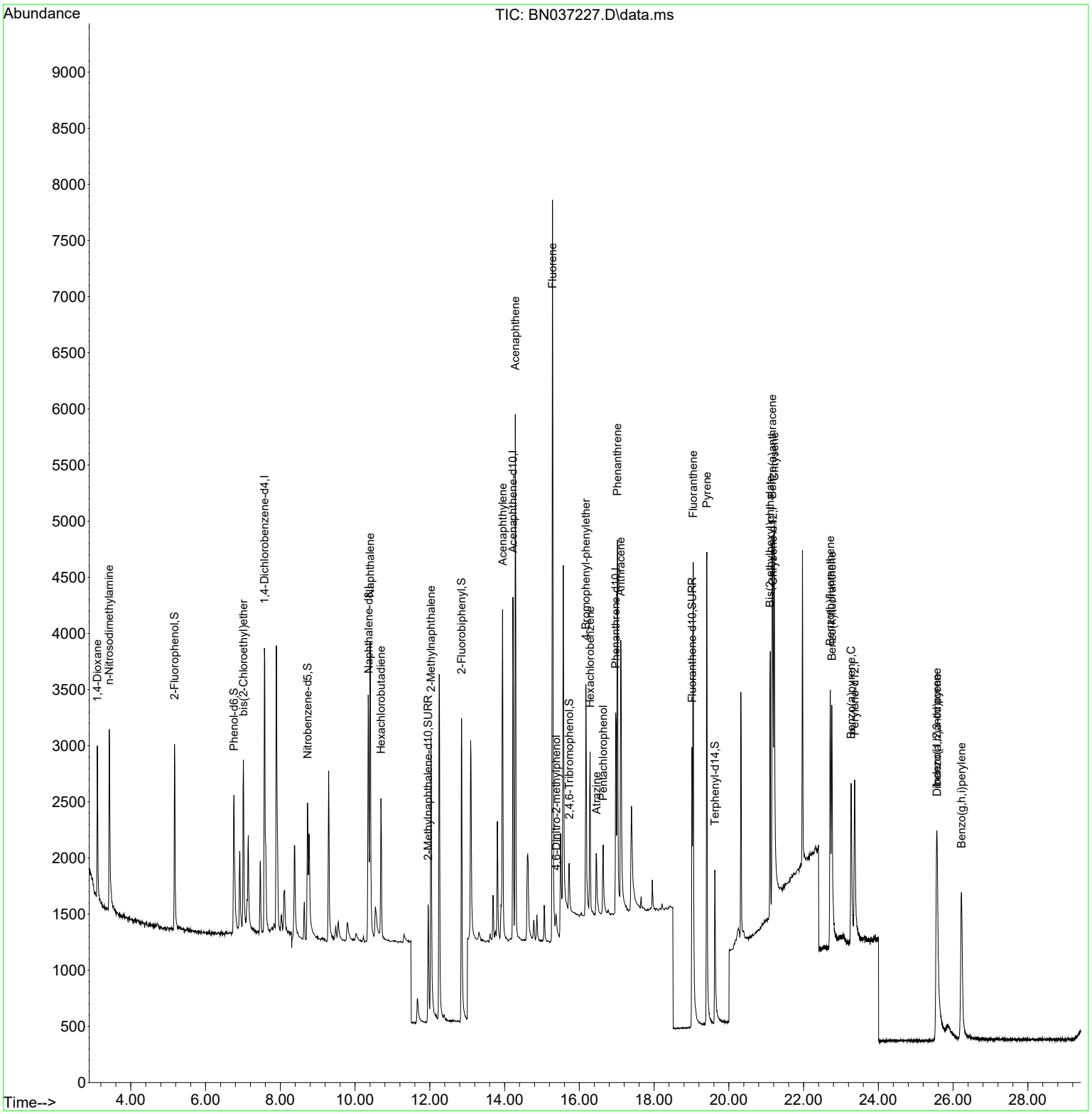
(#) = qualifier out of range (m) = manual integration (+) = signals summed

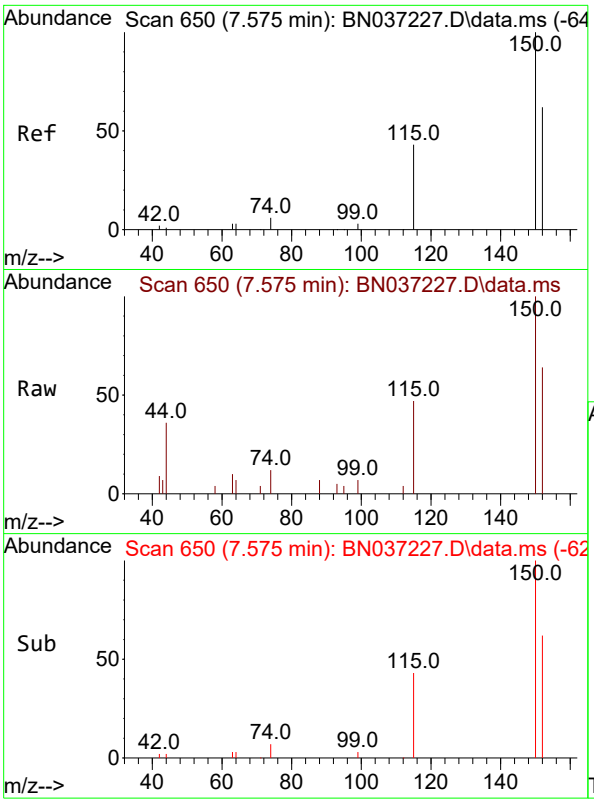
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037227.D
Acq On : 13 Jun 2025 14:46
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Jun 13 18:37:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:34:15 2025
Response via : Initial Calibration



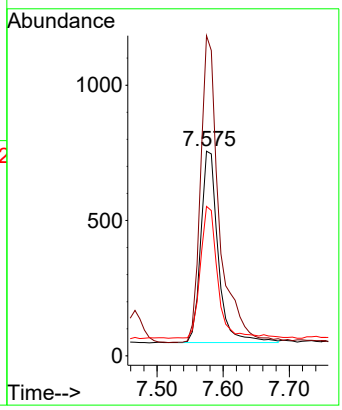


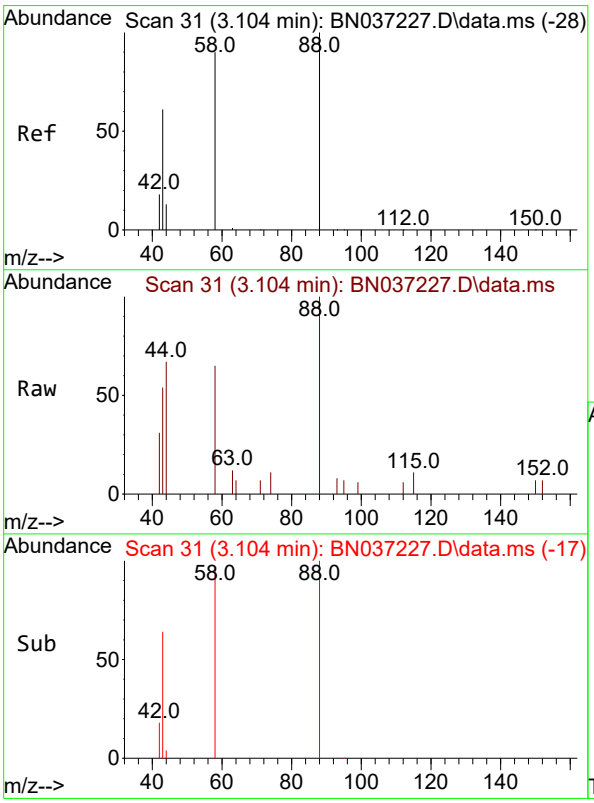
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.575 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 1287

Ion	Ratio	Lower	Upper
152	100		
150	156.5	125.2	187.8
115	73.0	58.4	87.6

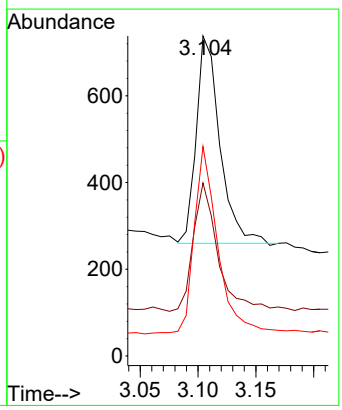


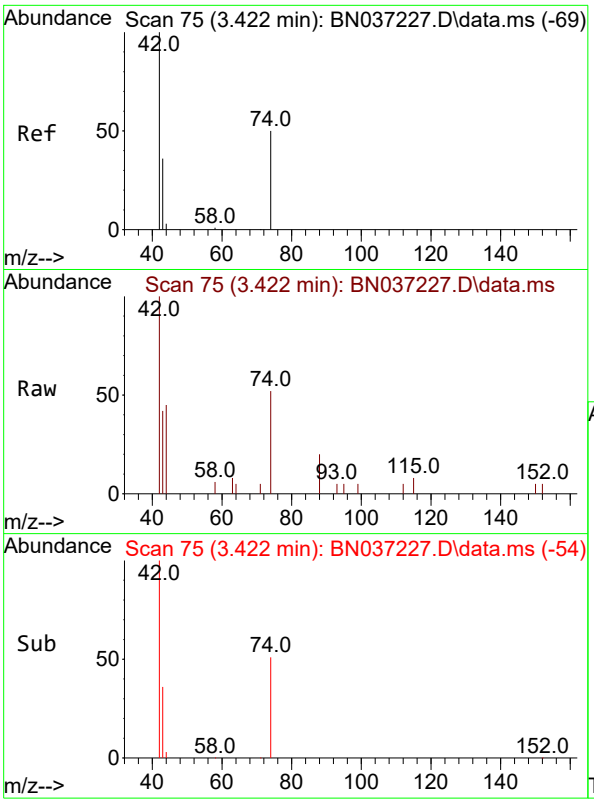


#2
1,4-Dioxane
Concen: 0.383 ng
RT: 3.104 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Tgt Ion: 88 Resp: 676

Ion	Ratio	Lower	Upper
88	100		
43	65.8	52.6	79.0
58	91.9	73.5	110.3



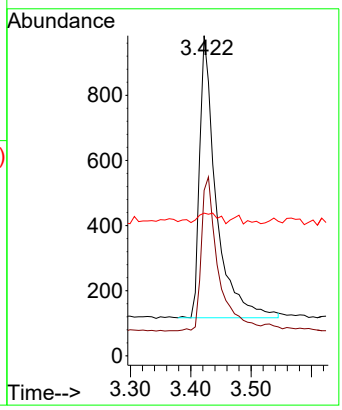


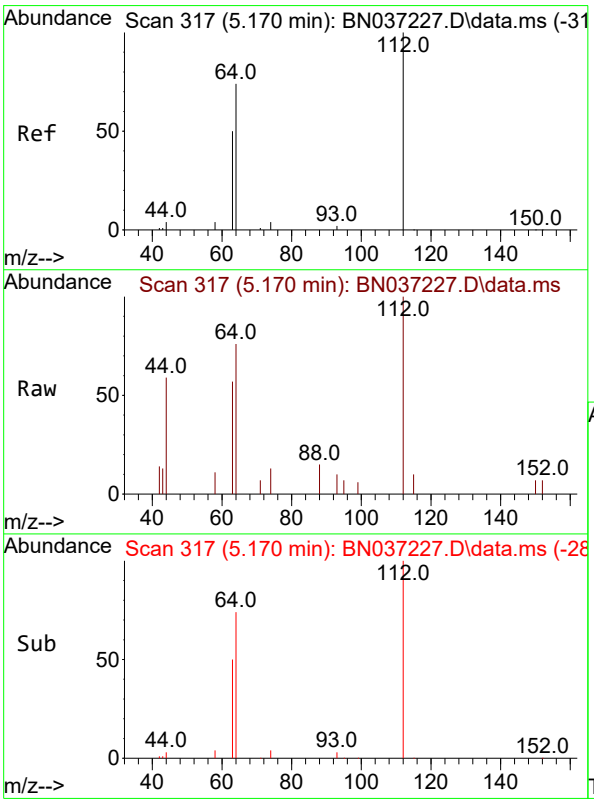
#3
n-Nitrosodimethylamine
Concen: 0.409 ng
RT: 3.422 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 1644

Ion	Ratio	Lower	Upper
42	100		
74	55.7	44.6	66.8
44	4.4	3.5	5.3

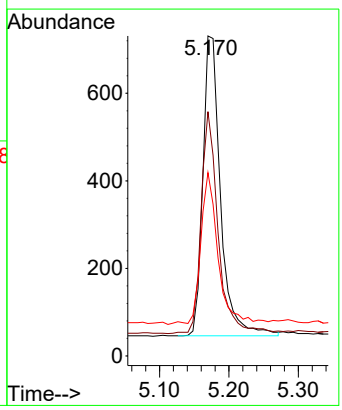


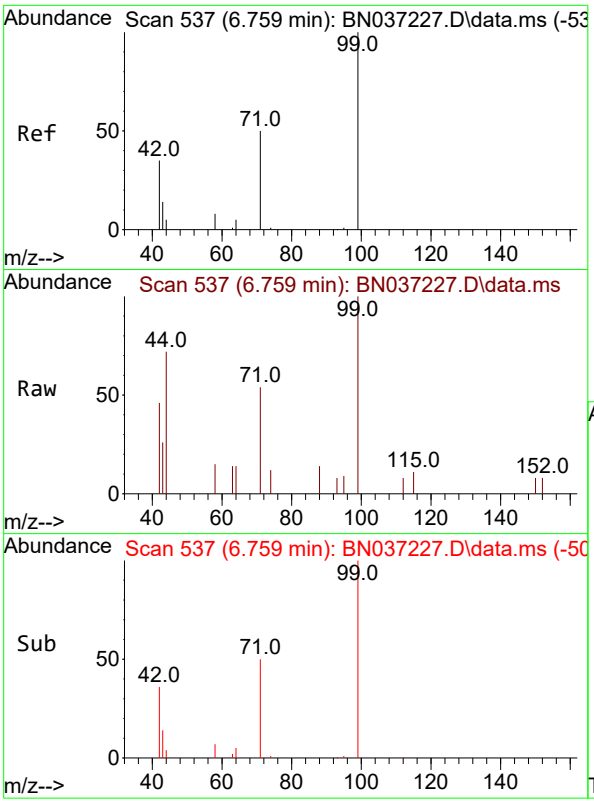


#4
2-Fluorophenol
Concen: 0.383 ng
RT: 5.170 min Scan# 317
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Tgt Ion:112 Resp: 1212

Ion	Ratio	Lower	Upper
112	100		
64	71.5	57.2	85.8
63	49.7	39.8	59.6



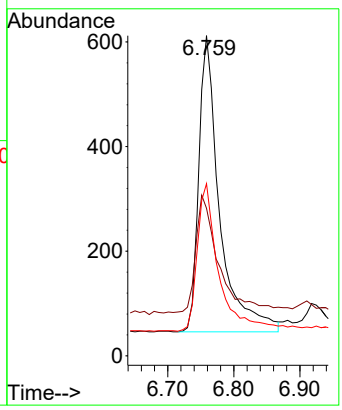


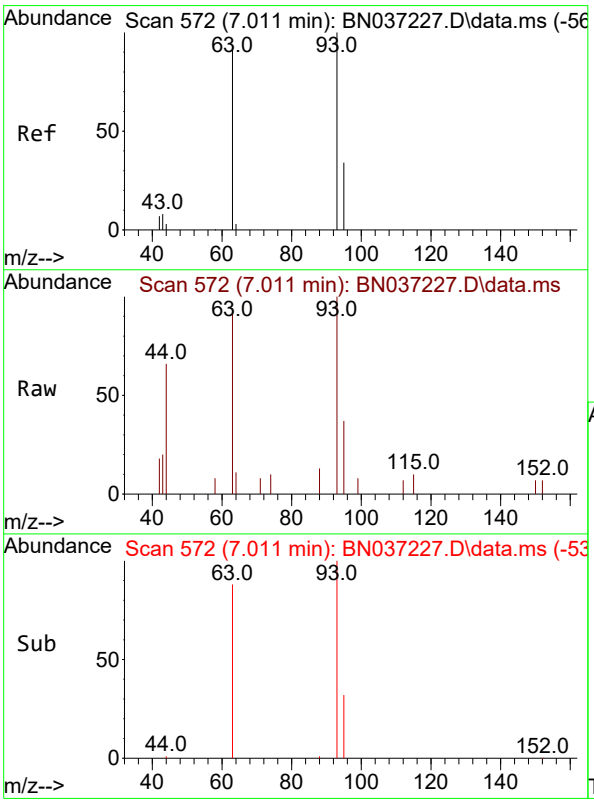
#5
Phenol-d6
Concen: 0.372 ng
RT: 6.759 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 1239

Ion	Ratio	Lower	Upper
99	100		
42	45.3	36.2	54.4
71	53.0	42.4	63.6

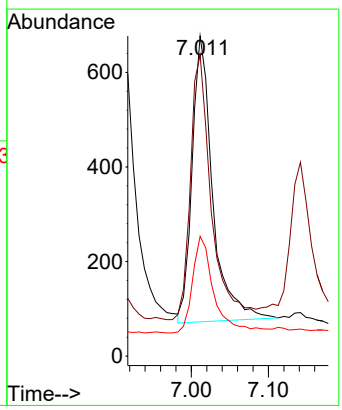


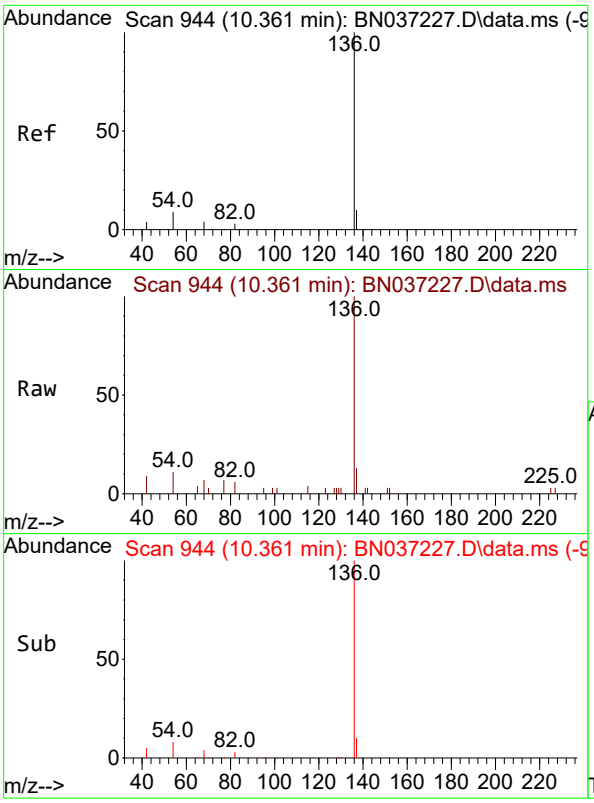


#6
bis(2-Chloroethyl)ether
Concen: 0.375 ng
RT: 7.011 min Scan# 572
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Tgt Ion: 93 Resp: 1120

Ion	Ratio	Lower	Upper
93	100		
63	94.0	75.2	112.8
95	35.4	28.3	42.5



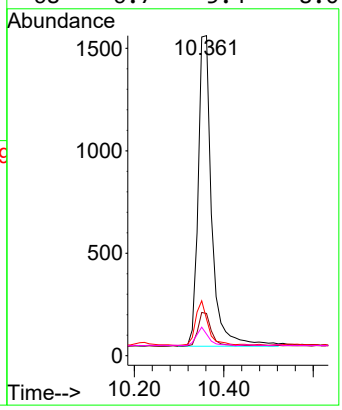


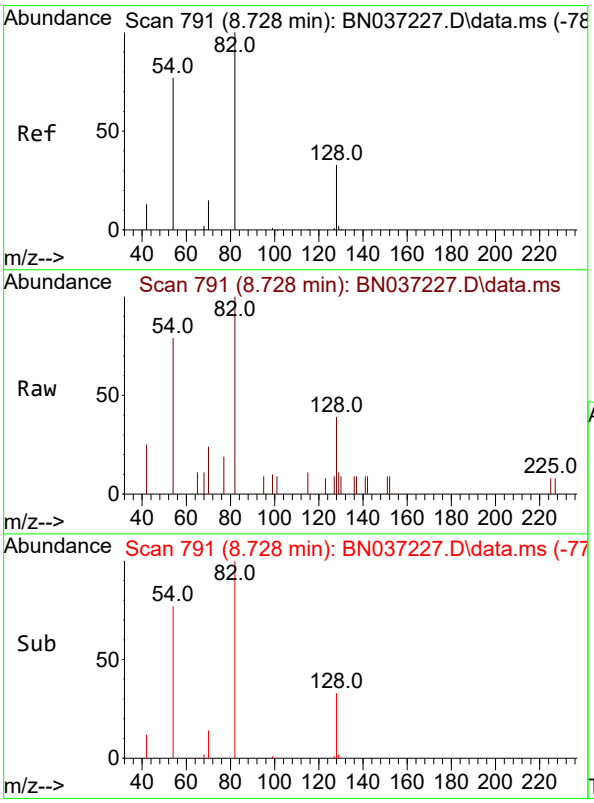
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.361 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 3210

Ion	Ratio	Lower	Upper
136	100		
137	13.2	10.6	15.8
54	11.5	9.2	13.8
68	6.7	5.4	8.0

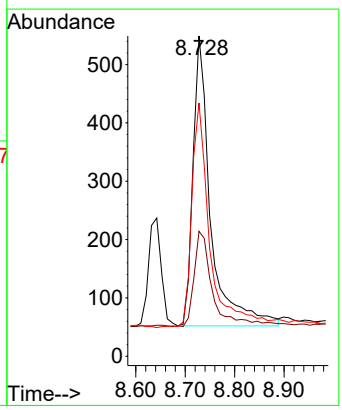


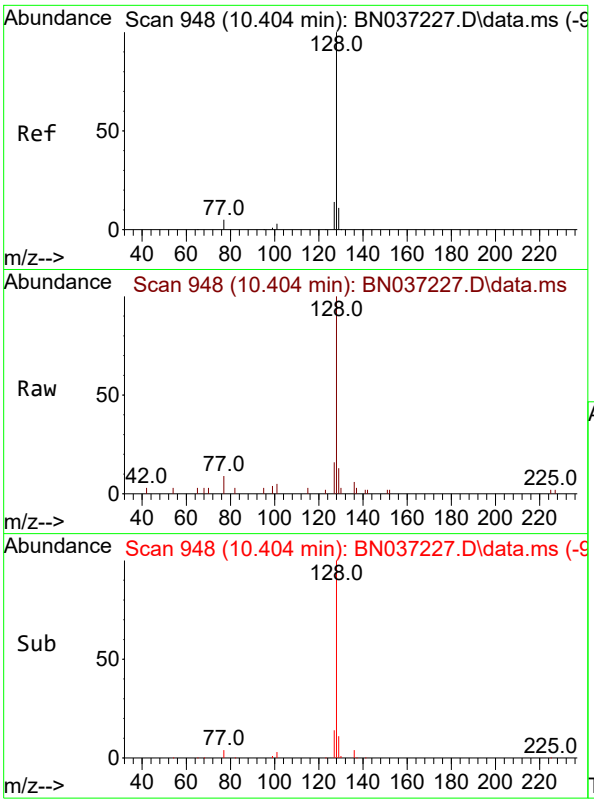


#8
Nitrobenzene-d5
Concen: 0.389 ng
RT: 8.728 min Scan# 791
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Tgt Ion: 82 Resp: 1234

Ion	Ratio	Lower	Upper
82	100		
128	39.0	31.2	46.8
54	79.1	63.3	94.9



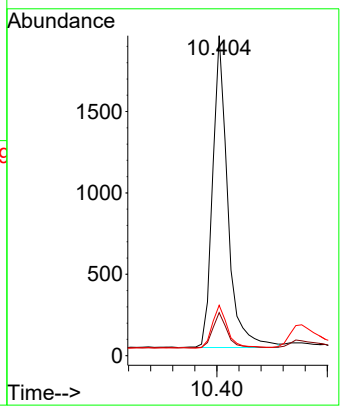


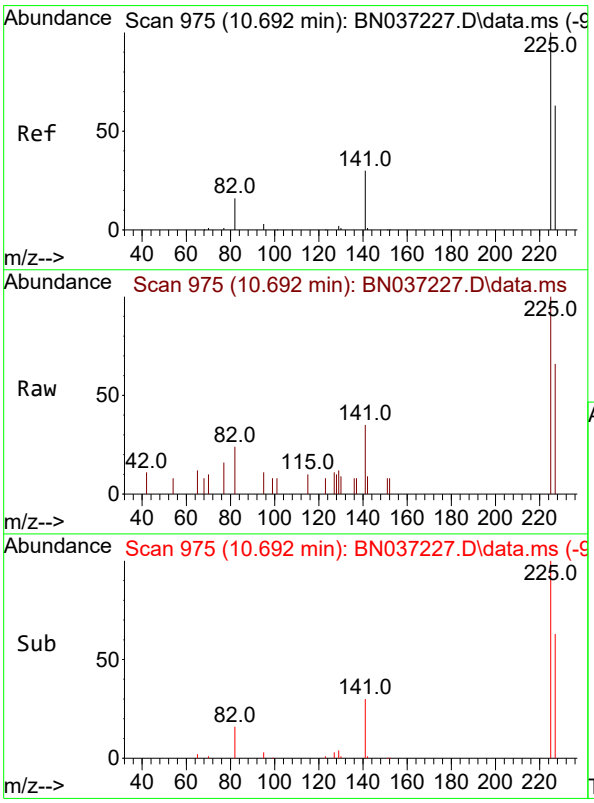
#9
Naphthalene
Concen: 0.391 ng
RT: 10.404 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 3636

Ion	Ratio	Lower	Upper
128	100		
129	13.4	10.7	16.1
127	15.8	12.6	19.0

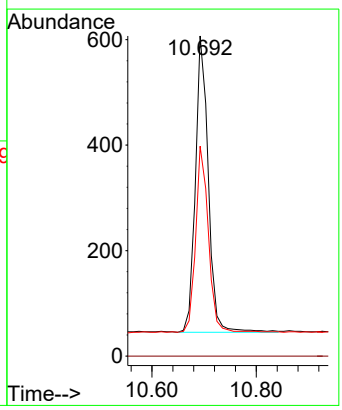


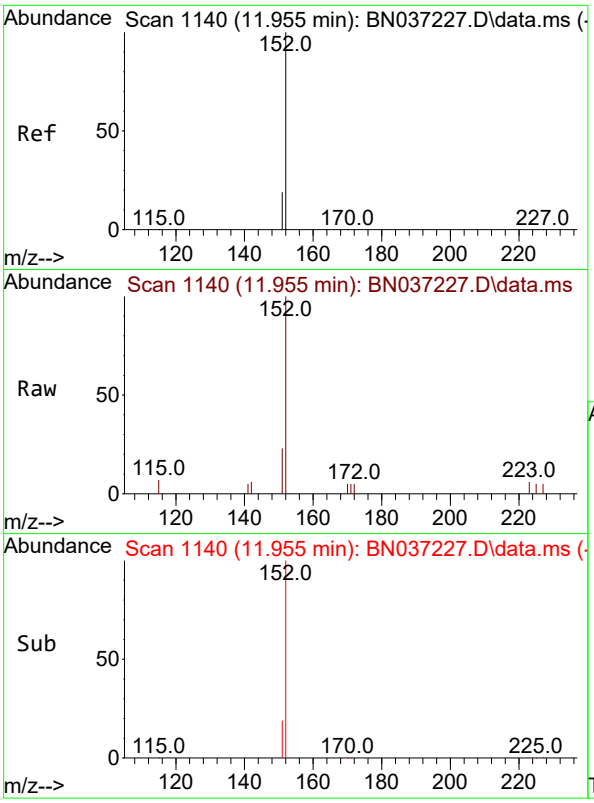


#10
Hexachlorobutadiene
Concen: 0.428 ng
RT: 10.692 min Scan# 975
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Tgt Ion:225 Resp: 968

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	61.6	49.2	73.8



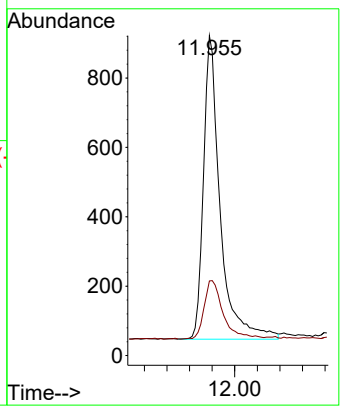


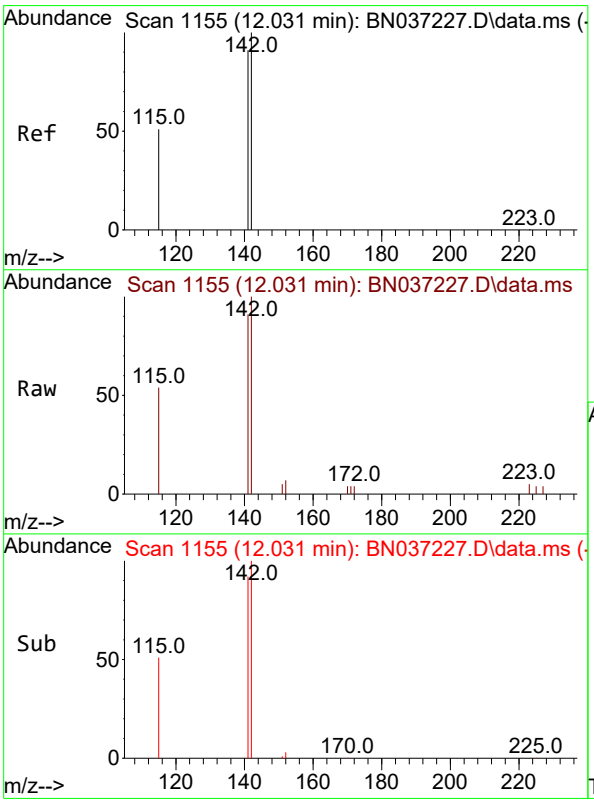
#11
2-Methylnaphthalene-d10
Concen: 0.415 ng
RT: 11.955 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 1787

Ion	Ratio	Lower	Upper
152	100		
151	22.4	17.9	26.9

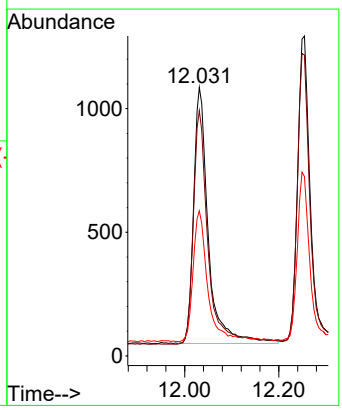


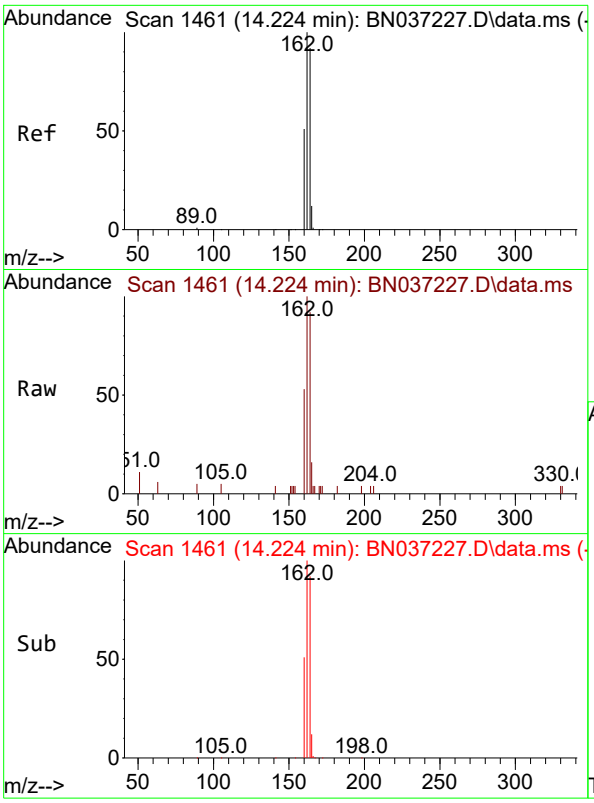


#12
2-Methylnaphthalene
Concen: 0.400 ng
RT: 12.031 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Tgt Ion:142 Resp: 2261

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.0	109.6
115	54.1	43.3	64.9



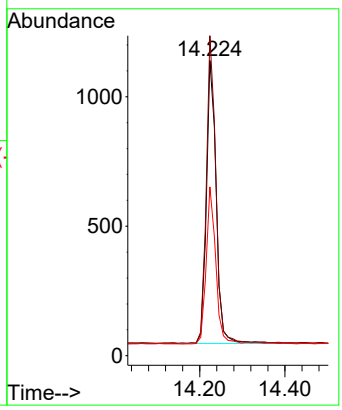


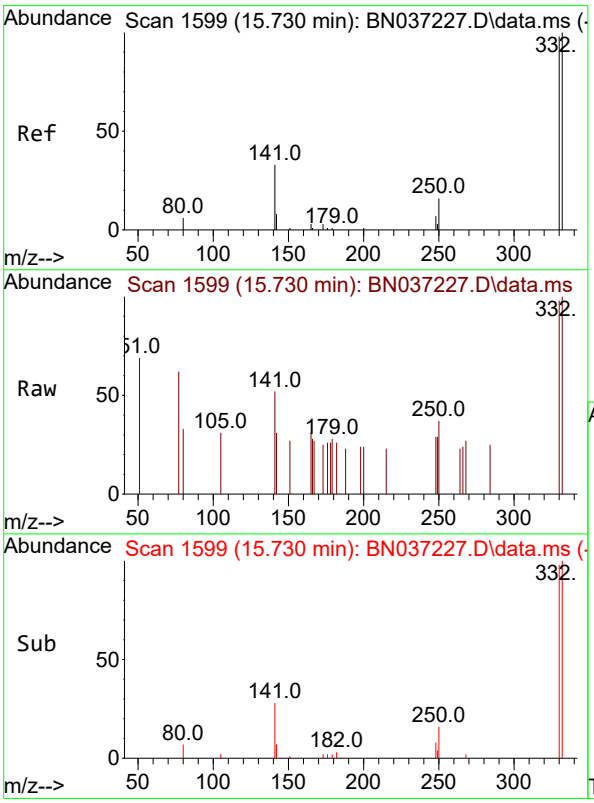
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 1738

Ion	Ratio	Lower	Upper
164	100		
162	108.4	86.7	130.1
160	57.2	45.8	68.6

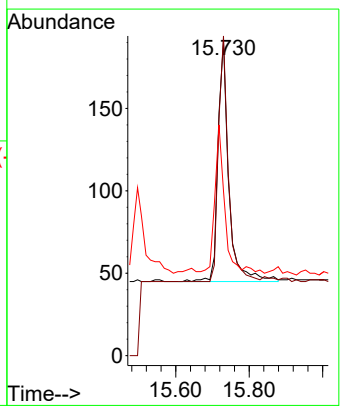


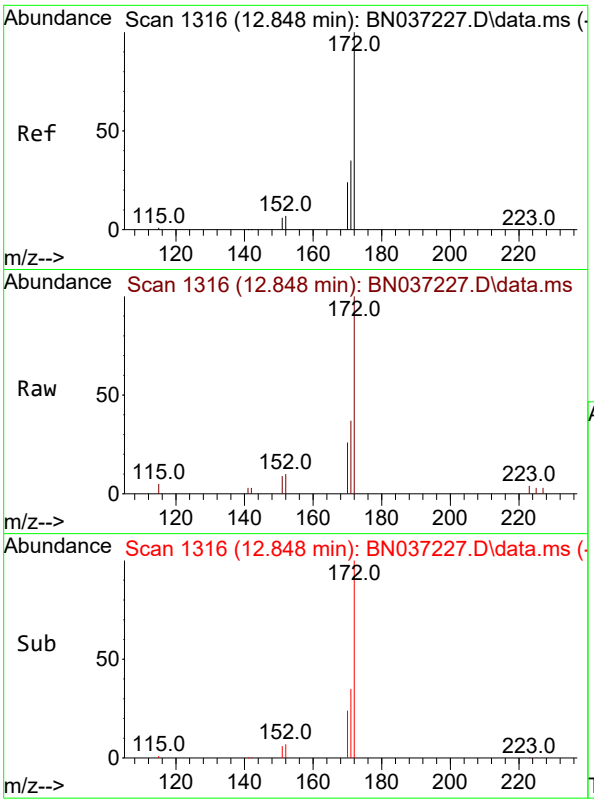


#14
2,4,6-Tribromophenol
Concen: 0.413 ng
RT: 15.730 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Tgt Ion:330 Resp: 298

Ion	Ratio	Lower	Upper
330	100		
332	93.6	74.9	112.3
141	56.4	45.1	67.7



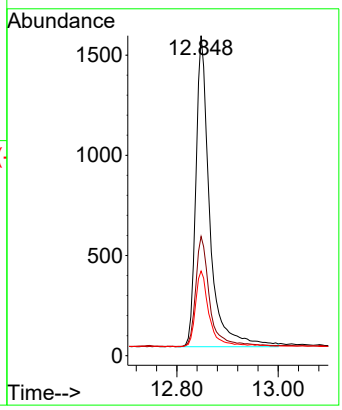


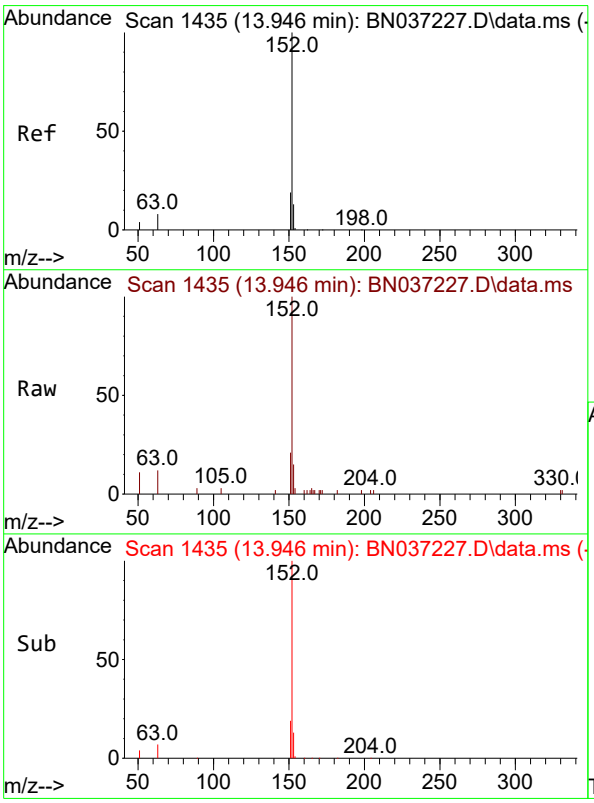
#15
2-Fluorobiphenyl
Concen: 0.404 ng
RT: 12.848 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 2952

Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.8	44.8
170	26.4	21.1	31.7

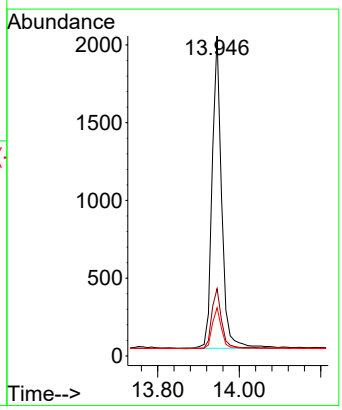


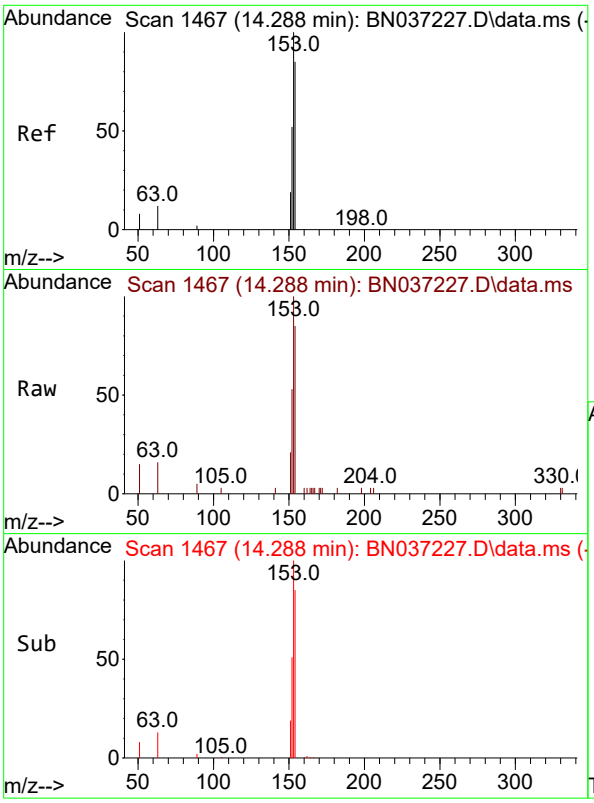


#16
Acenaphthylene
Concen: 0.382 ng
RT: 13.946 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Tgt Ion:152 Resp: 3250

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.4	10.7	16.1



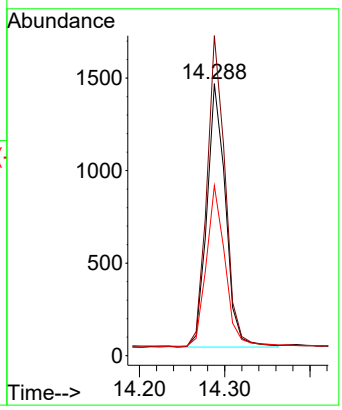


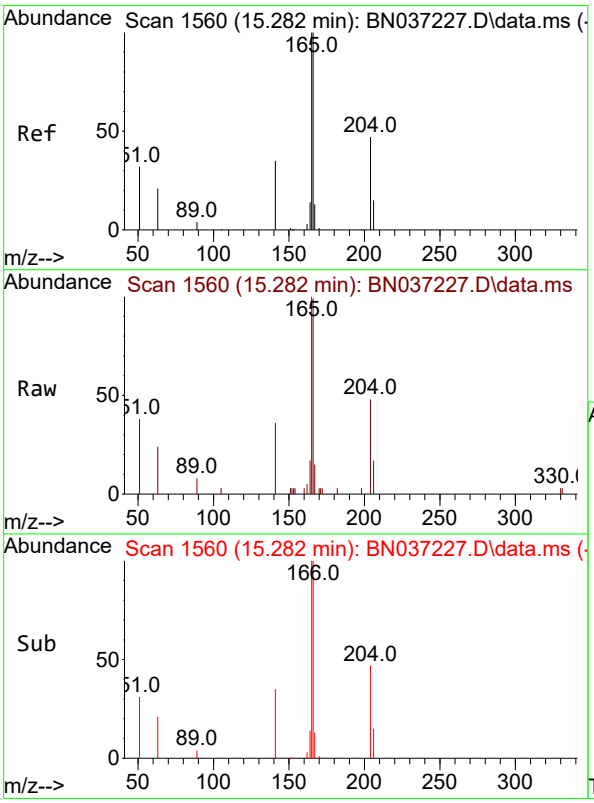
#17
Acenaphthene
Concen: 0.392 ng
RT: 14.288 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 2155

Ion	Ratio	Lower	Upper
154	100		
153	118.2	94.6	141.8
152	62.0	49.6	74.4

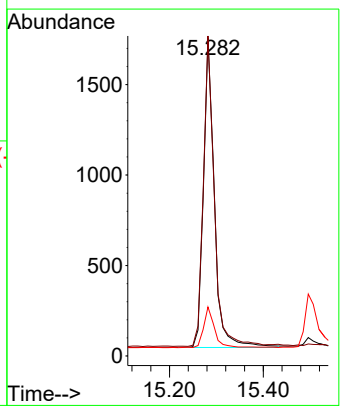


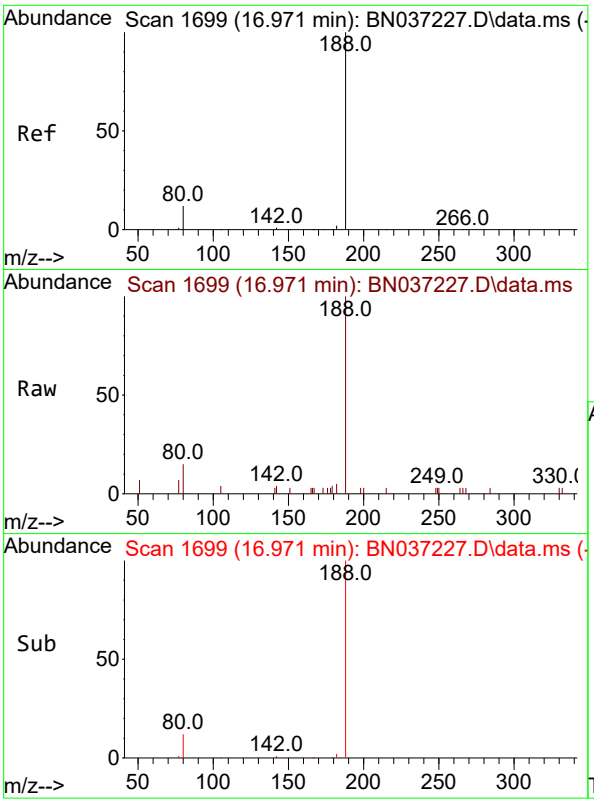


#18
Fluorene
Concen: 0.392 ng
RT: 15.282 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Tgt Ion:166 Resp: 2768

Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.8	119.6
167	13.5	10.8	16.2



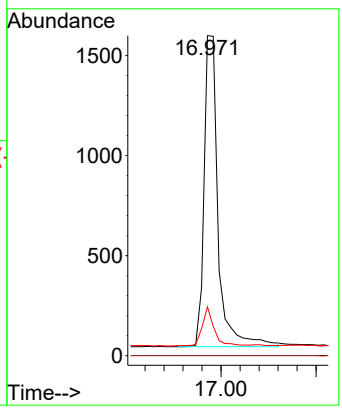


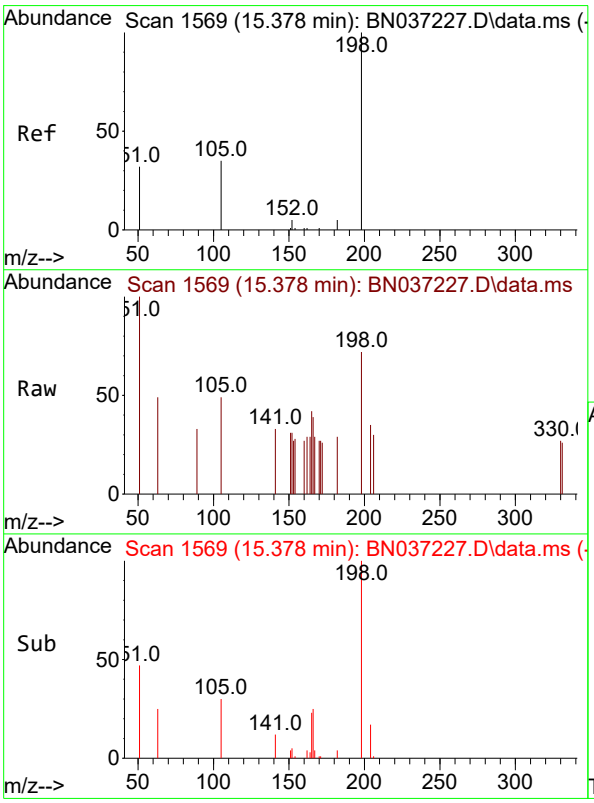
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 3195

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.3	12.2	18.4

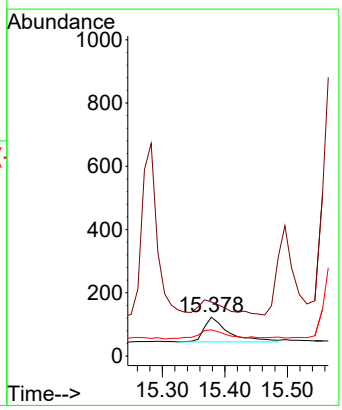


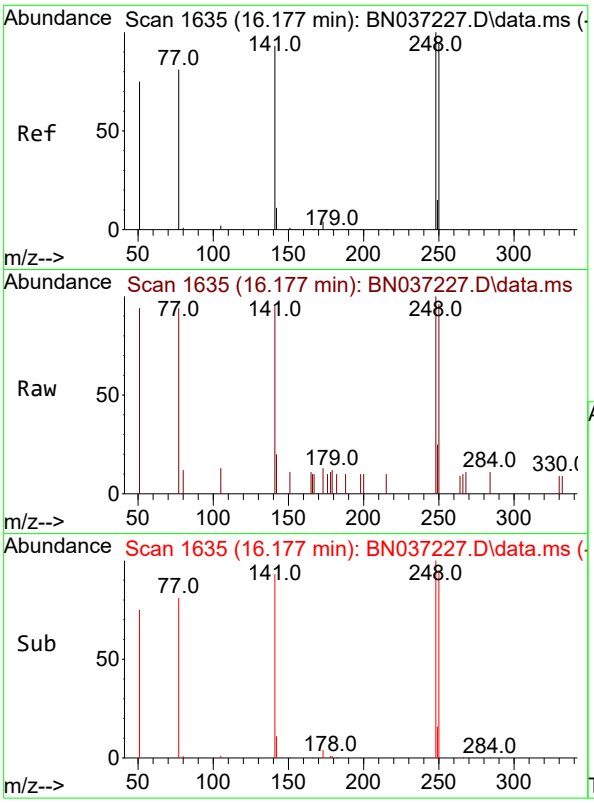


#20
4,6-Dinitro-2-methylphenol
Concen: 0.368 ng
RT: 15.378 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Tgt Ion:198 Resp: 211

Ion	Ratio	Lower	Upper
198	100		
51	139.0	111.2	166.8
105	67.5	54.0	81.0



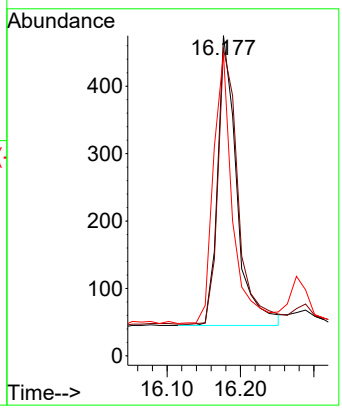


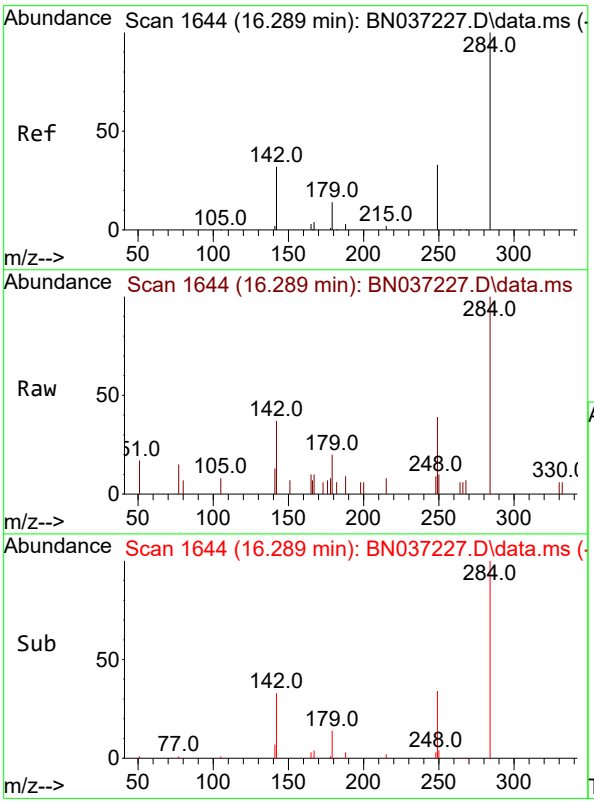
#21
4-Bromophenyl-phenylether
Concen: 0.375 ng
RT: 16.177 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:248 Resp: 780

Ion	Ratio	Lower	Upper
248	100		
250	96.0	76.8	115.2
141	94.5	75.6	113.4

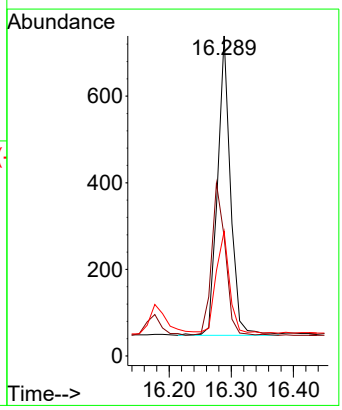


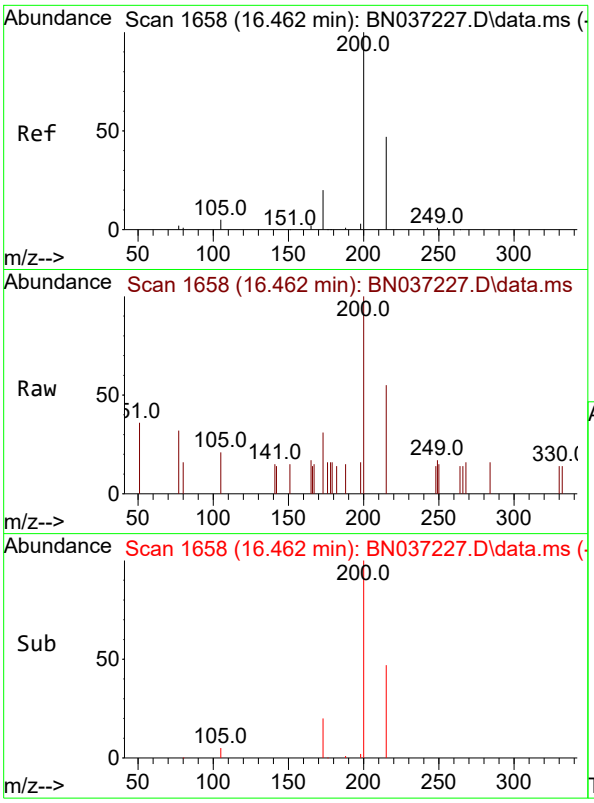


#22
Hexachlorobenzene
Concen: 0.412 ng
RT: 16.289 min Scan# 1644
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Tgt Ion:284 Resp: 994

Ion	Ratio	Lower	Upper
284	100		
142	54.7	43.8	65.6
249	35.5	28.4	42.6



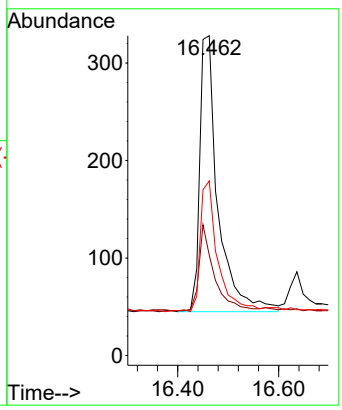


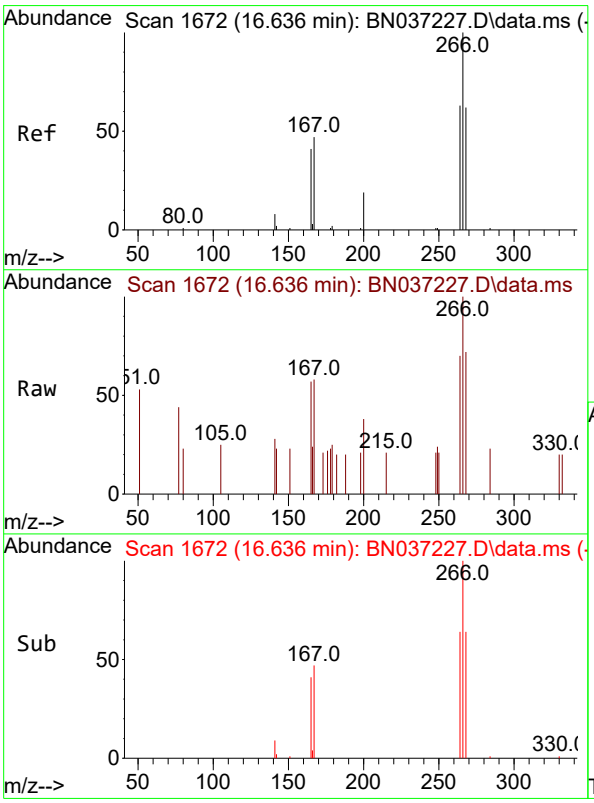
#23
Atrazine
Concen: 0.382 ng
RT: 16.462 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:200 Resp: 710

Ion	Ratio	Lower	Upper
200	100		
173	31.4	25.1	37.7
215	54.6	43.7	65.5

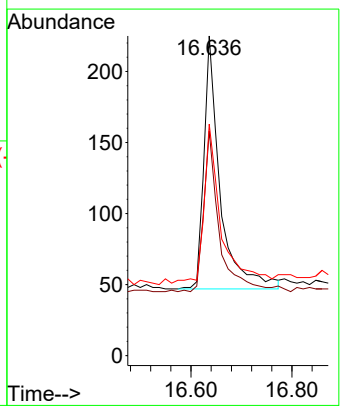


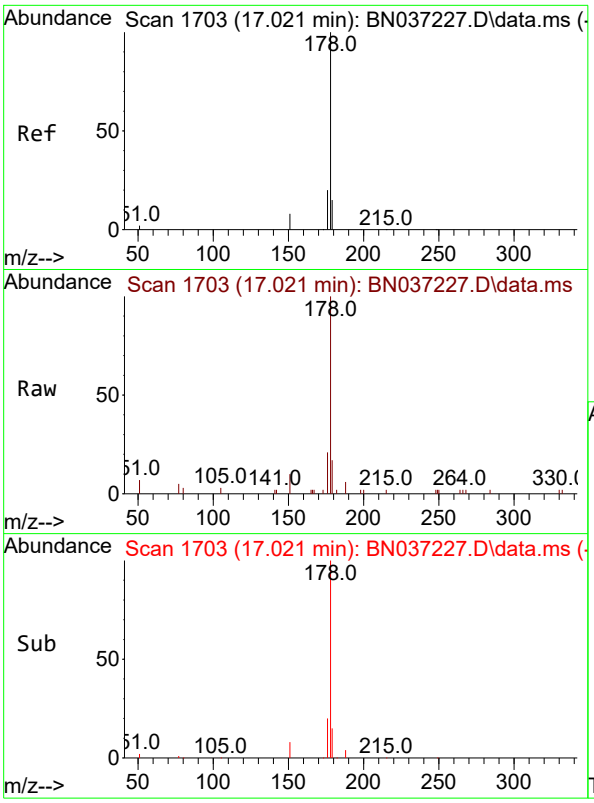


#24
Pentachlorophenol
Concen: 0.336 ng
RT: 16.636 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Tgt Ion:266 Resp: 397

Ion	Ratio	Lower	Upper
266	100		
264	61.5	49.2	73.8
268	66.8	53.4	80.2



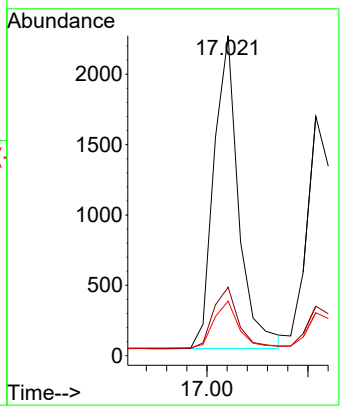


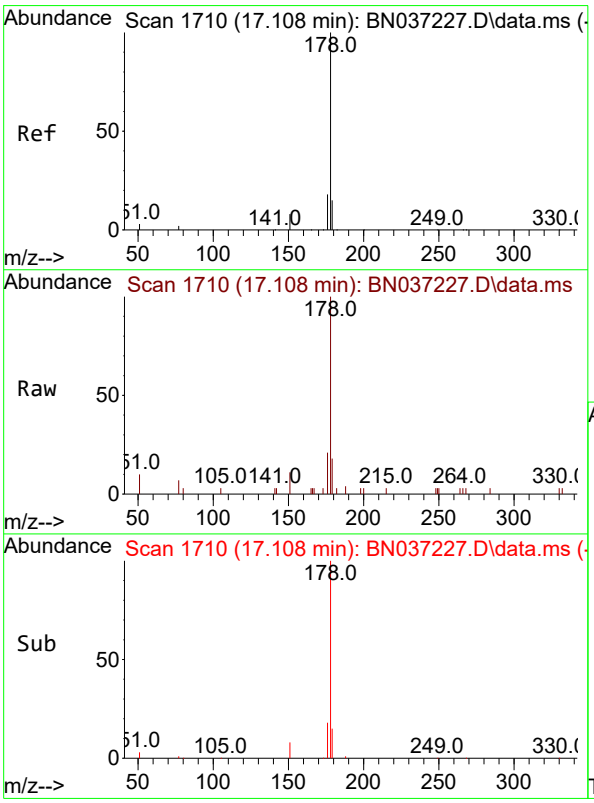
#25
Phenanthrene
Concen: 0.374 ng
RT: 17.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 3790

Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.3	24.5
179	15.7	12.6	18.8

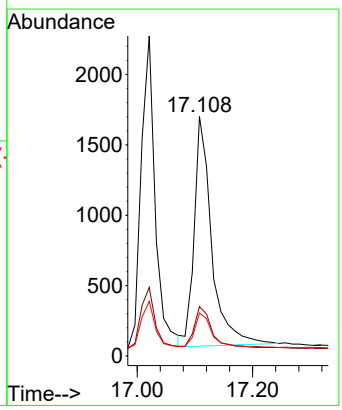


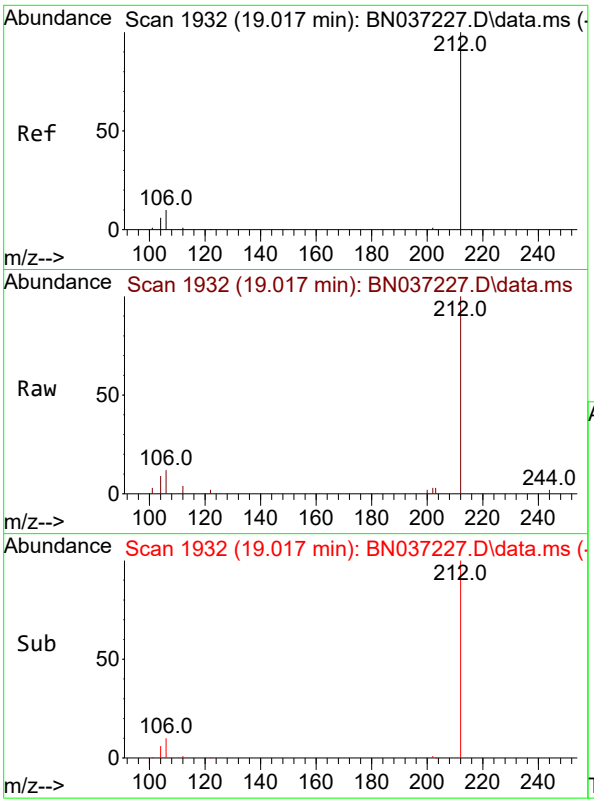


#26
Anthracene
Concen: 0.372 ng
RT: 17.108 min Scan# 1710
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Tgt Ion:178 Resp: 3450

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.5	12.4	18.6



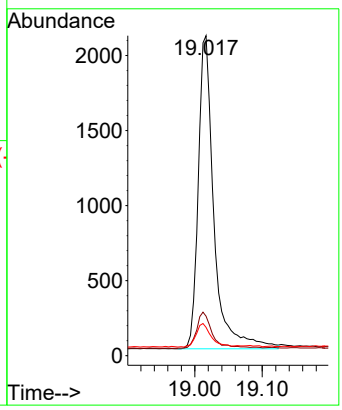


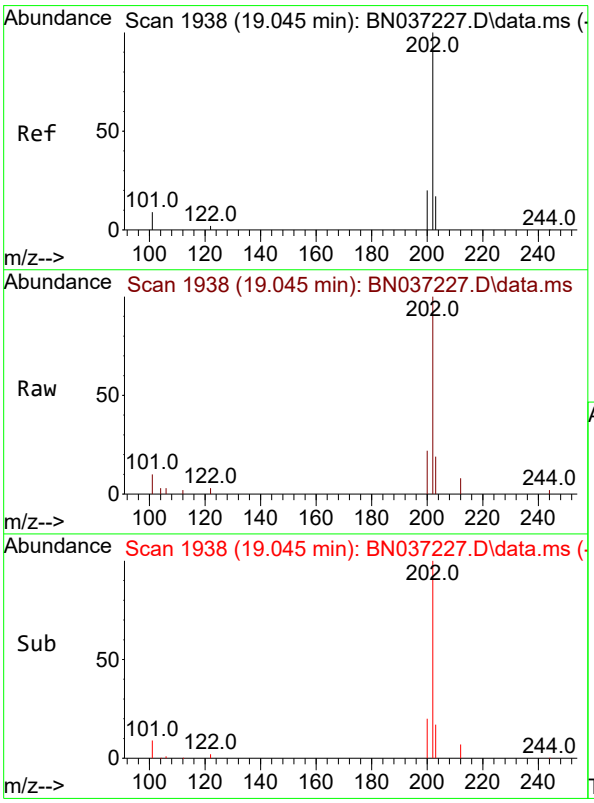
#27
Fluoranthene-d10
Concen: 0.402 ng
RT: 19.017 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 3364

Ion	Ratio	Lower	Upper
212	100		
106	11.6	9.3	13.9
104	7.1	5.7	8.5

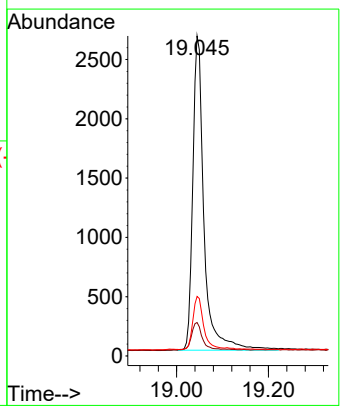


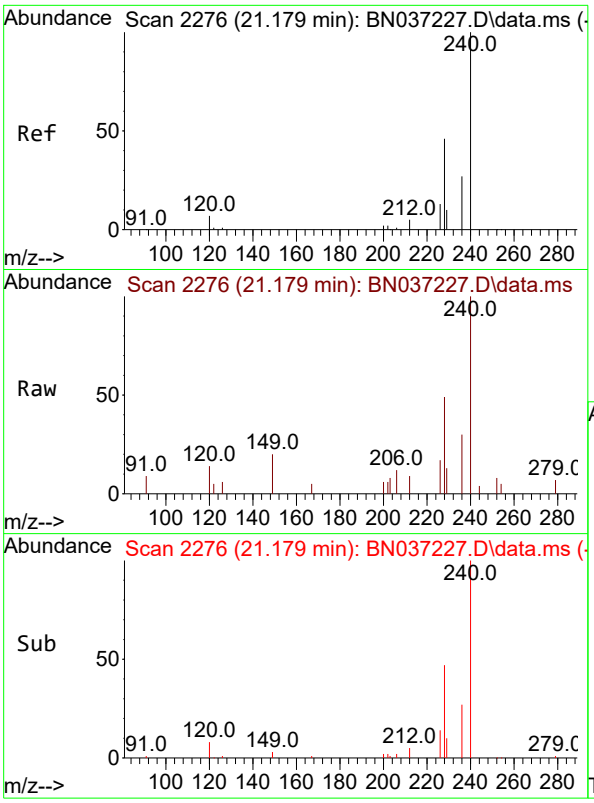


#28
Fluoranthene
Concen: 0.380 ng
RT: 19.045 min Scan# 1938
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Tgt Ion:202 Resp: 4510

Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.1	10.7
203	16.3	13.0	19.6



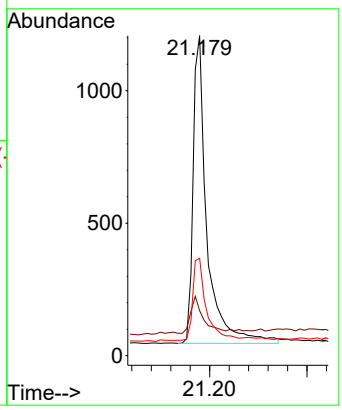


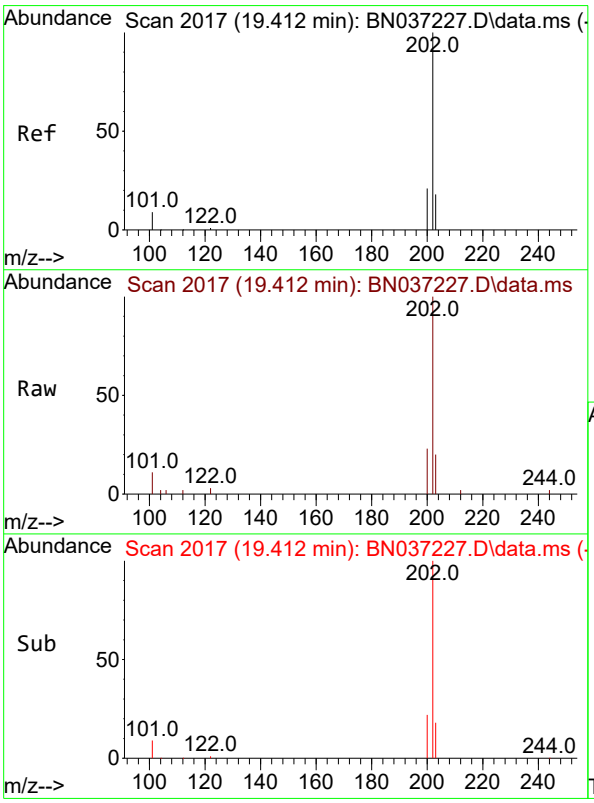
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.179 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 2284

Ion	Ratio	Lower	Upper
240	100		
120	14.1	11.3	16.9
236	30.5	24.4	36.6

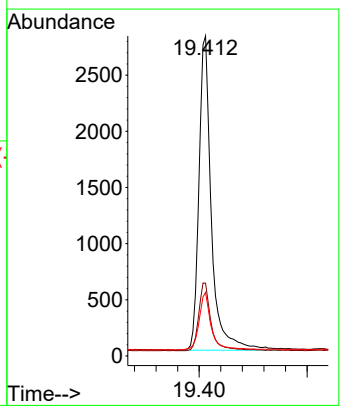


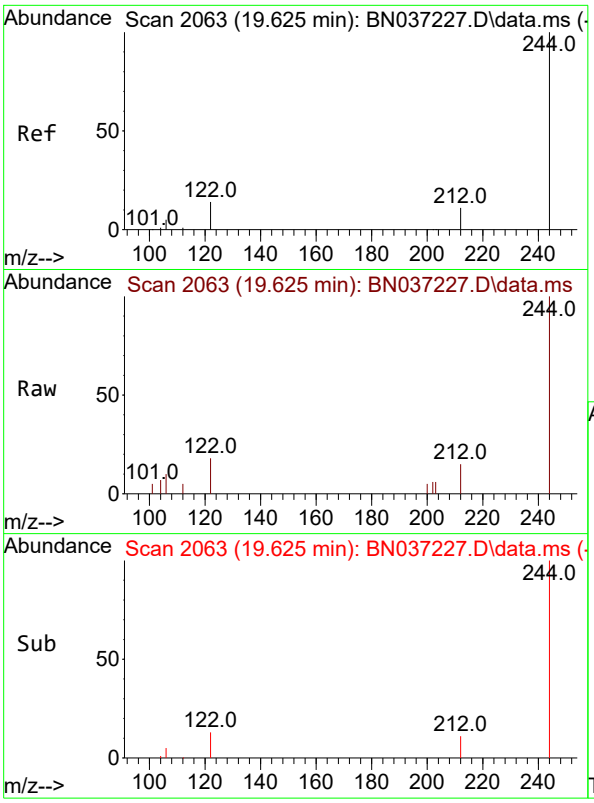


#30
Pyrene
Concen: 0.417 ng
RT: 19.412 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Tgt Ion:202 Resp: 4482

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	17.9	14.3	21.5



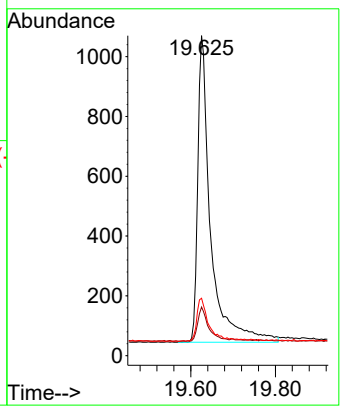


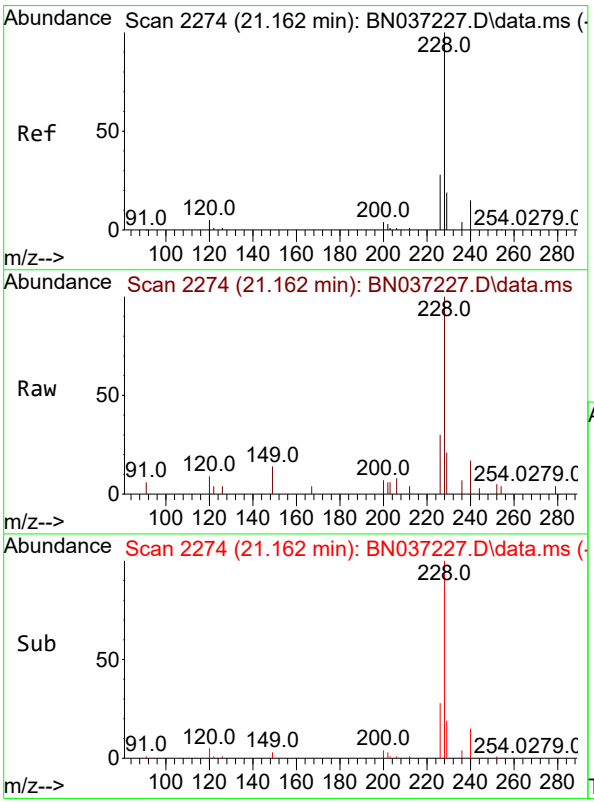
#31
Terphenyl-d14
Concen: 0.418 ng
RT: 19.625 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 2160

Ion	Ratio	Lower	Upper
244	100		
212	15.2	12.2	18.2
122	17.9	14.3	21.5

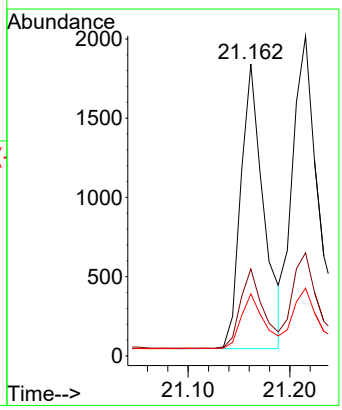


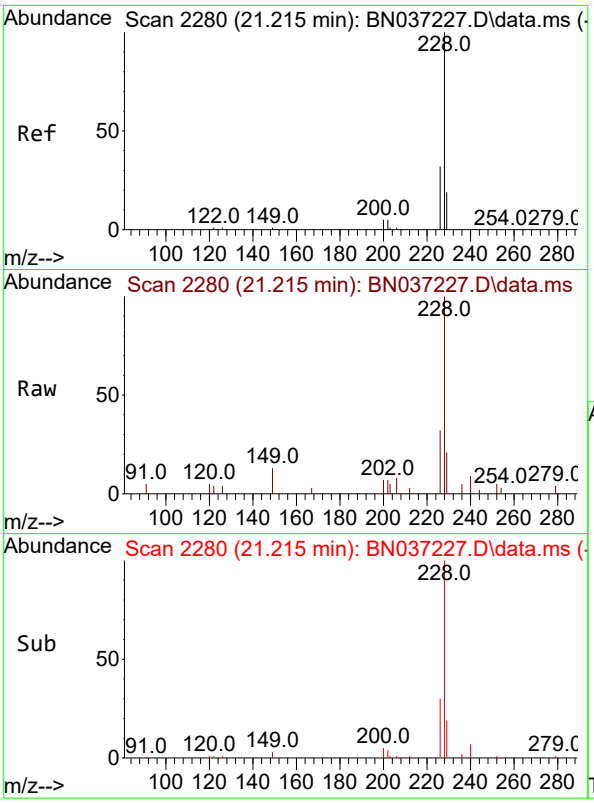


#32
Benzo(a)anthracene
Concen: 0.363 ng
RT: 21.162 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Tgt Ion:228 Resp: 2798

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	21.2	17.0	25.4



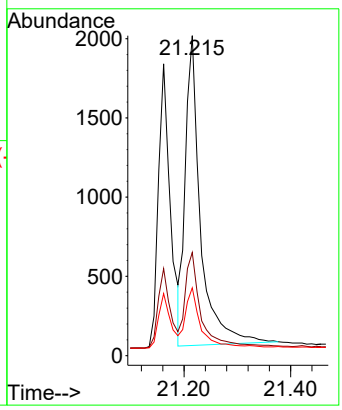


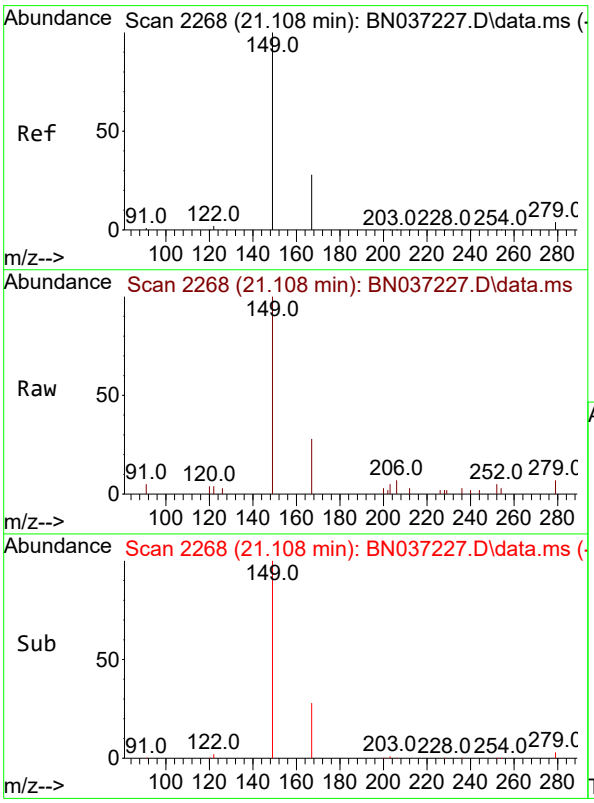
#33
Chrysene
Concen: 0.403 ng
RT: 21.215 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 3871

Ion	Ratio	Lower	Upper
228	100		
226	32.2	25.8	38.6
229	21.2	17.0	25.4

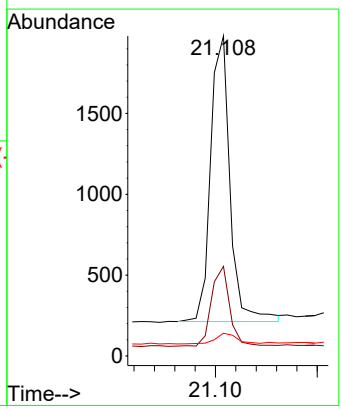


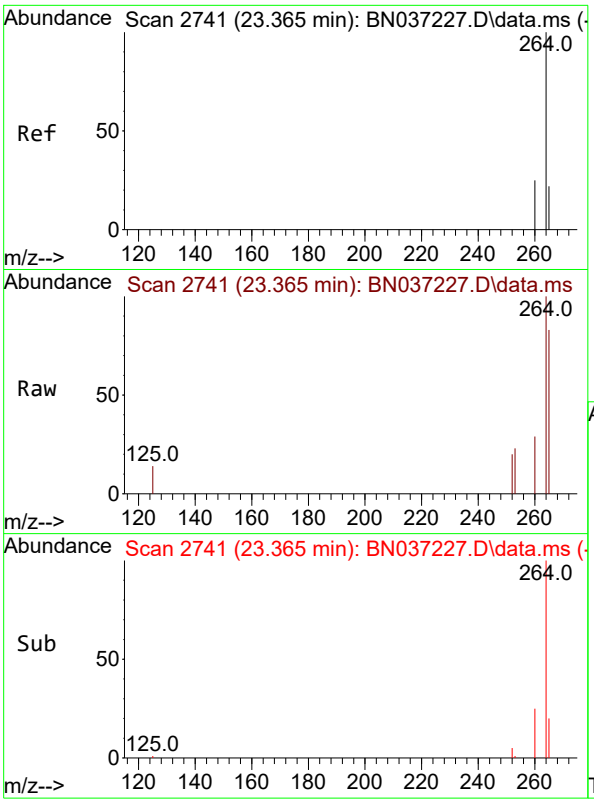


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.407 ng
RT: 21.108 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Tgt Ion:149 Resp: 2338

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.3	31.9
279	4.1	3.3	4.9



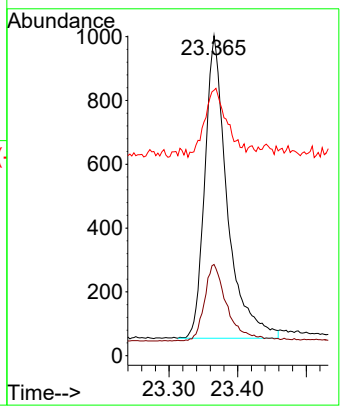


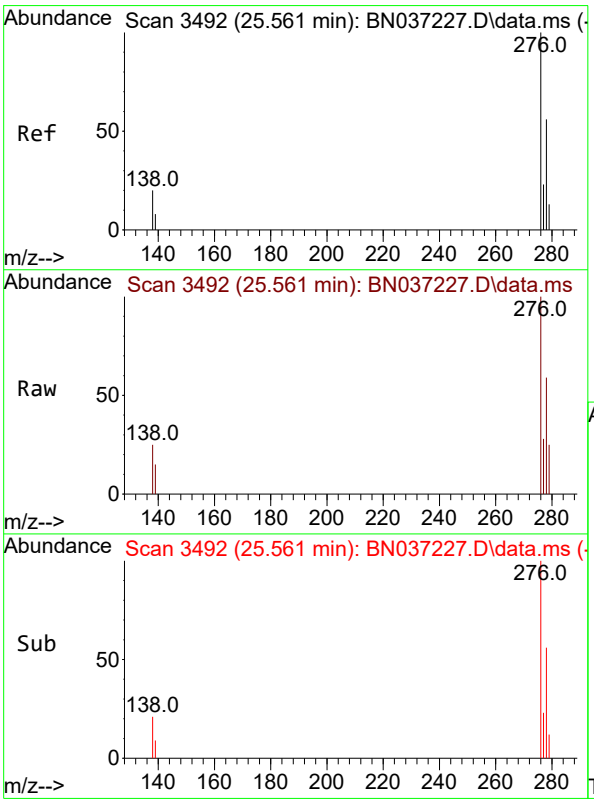
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.365 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:264 Resp: 2150

Ion	Ratio	Lower	Upper
264	100		
260	28.5	22.8	34.2
265	83.0	66.4	99.6

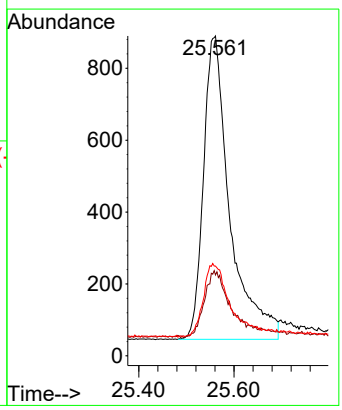


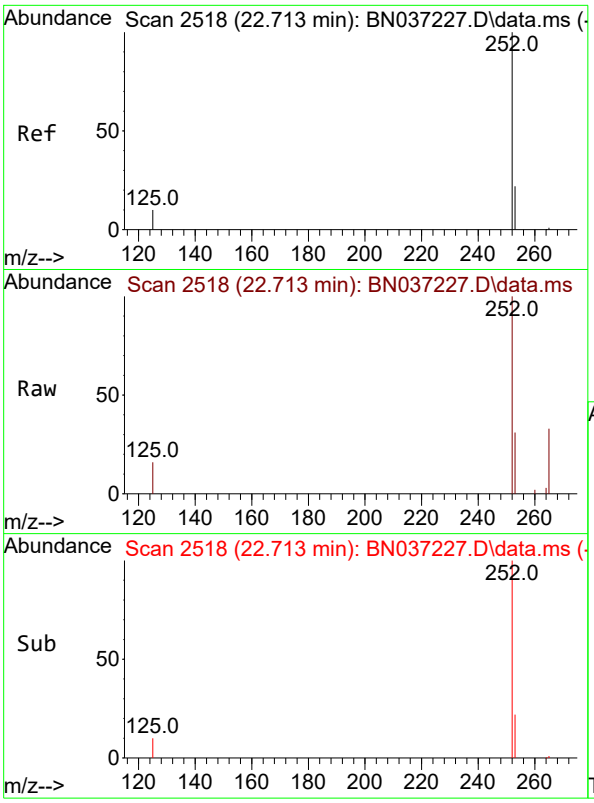


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.374 ng
RT: 25.561 min Scan# 3492
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Tgt Ion:276 Resp: 3239

Ion	Ratio	Lower	Upper
276	100		
138	21.0	16.8	25.2
277	24.4	19.5	29.3



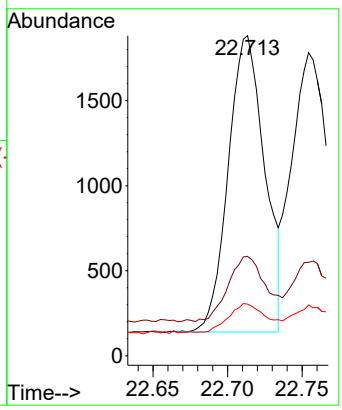


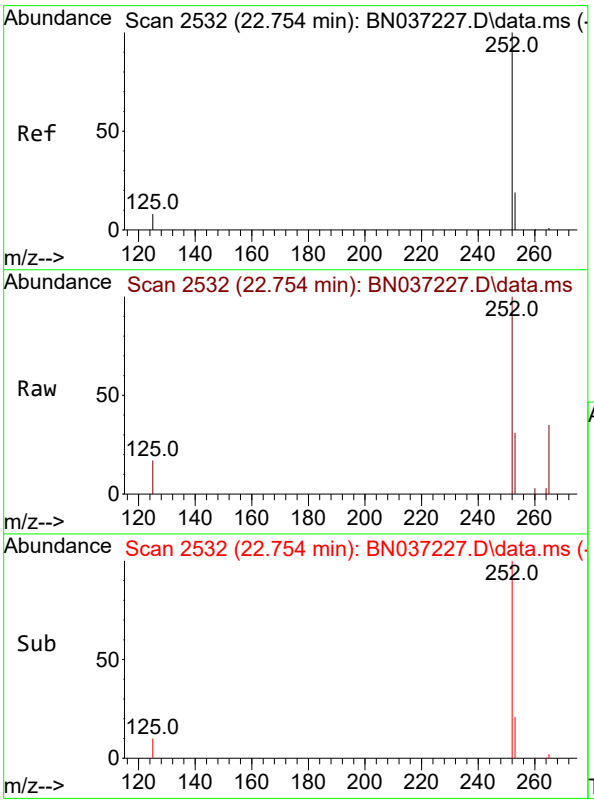
#37
Benzo(b)fluoranthene
Concen: 0.376 ng
RT: 22.713 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 2958

Ion	Ratio	Lower	Upper
252	100		
253	31.1	24.9	37.3
125	16.1	12.9	19.3

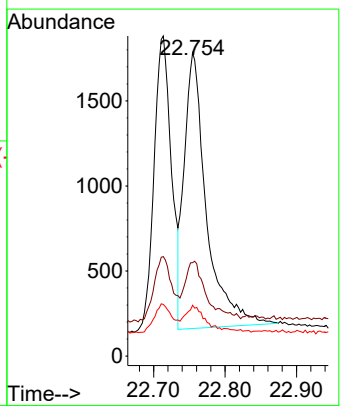


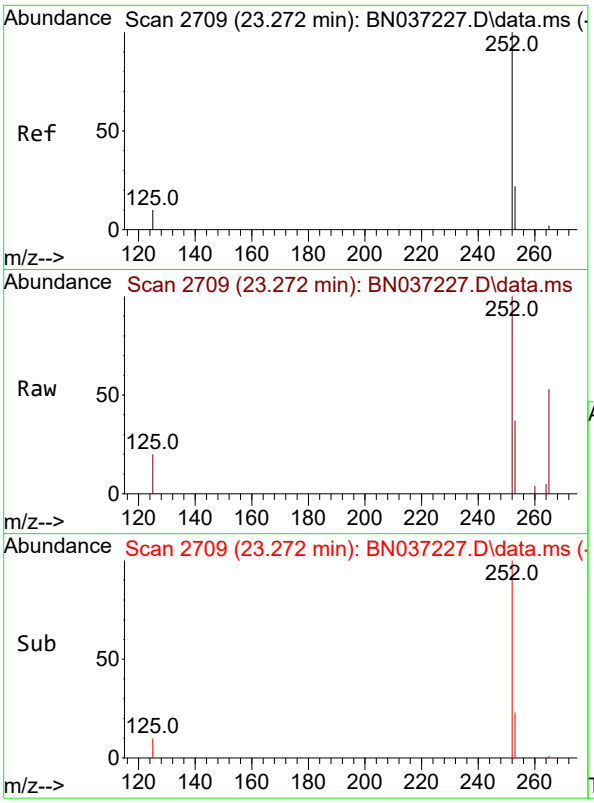


#38
Benzo(k)fluoranthene
Concen: 0.388 ng
RT: 22.754 min Scan# 2532
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Tgt Ion:252 Resp: 3501

Ion	Ratio	Lower	Upper
252	100		
253	30.8	24.6	37.0
125	16.8	13.4	20.2



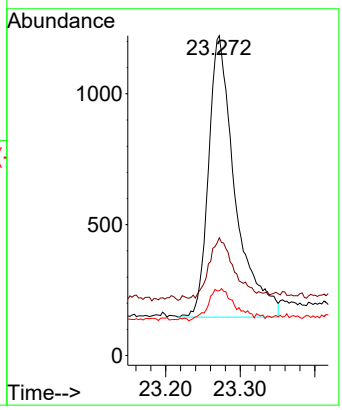


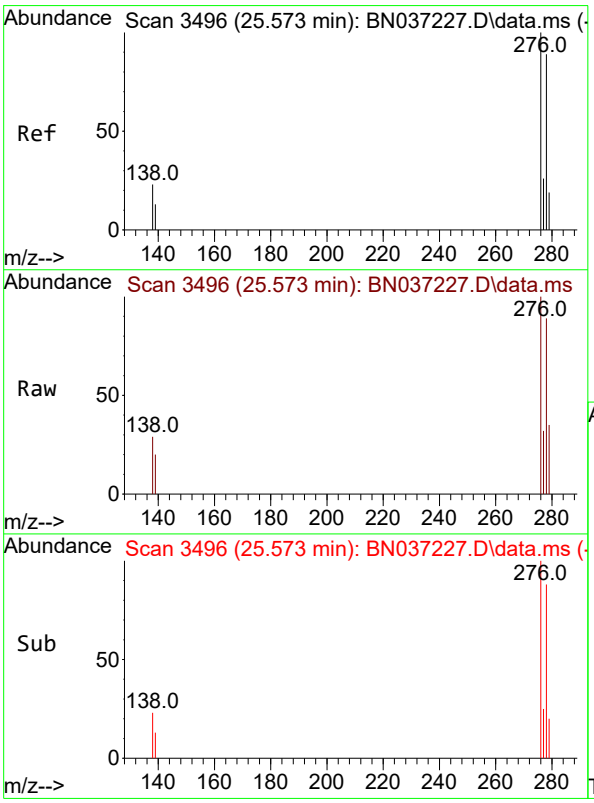
#39
Benzo(a)pyrene
Concen: 0.375 ng
RT: 23.272 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 2653

Ion	Ratio	Lower	Upper
252	100		
253	36.8	29.4	44.2
125	20.2	16.2	24.2

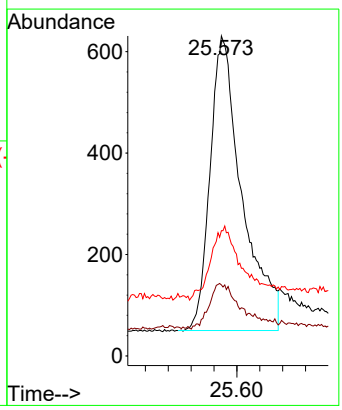


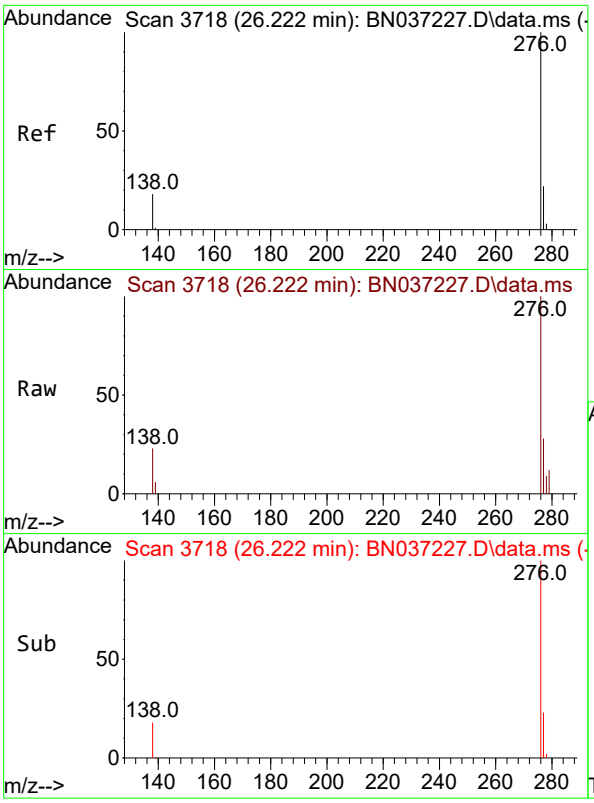


#40
Dibenzo(a,h)anthracene
Concen: 0.345 ng
RT: 25.573 min Scan# 3496
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Tgt Ion:278 Resp: 2256

Ion	Ratio	Lower	Upper
278	100		
139	22.2	17.8	26.6
279	39.1	31.3	46.9



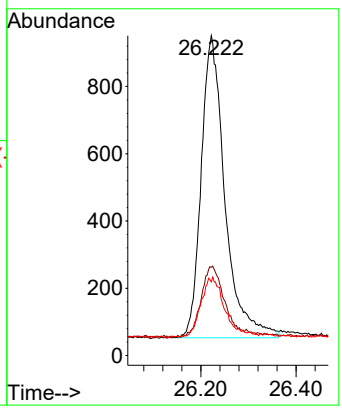


#41
Benzo(g,h,i)perylene
Concen: 0.385 ng
RT: 26.222 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037227.D
Acq: 13 Jun 2025 14:46

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 3099

Ion	Ratio	Lower	Upper
276	100		
277	27.5	22.0	33.0
138	23.0	18.4	27.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037228.D
Acq On : 13 Jun 2025 15:22
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Jun 13 18:37:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:34:15 2025
Response via : Initial Calibration

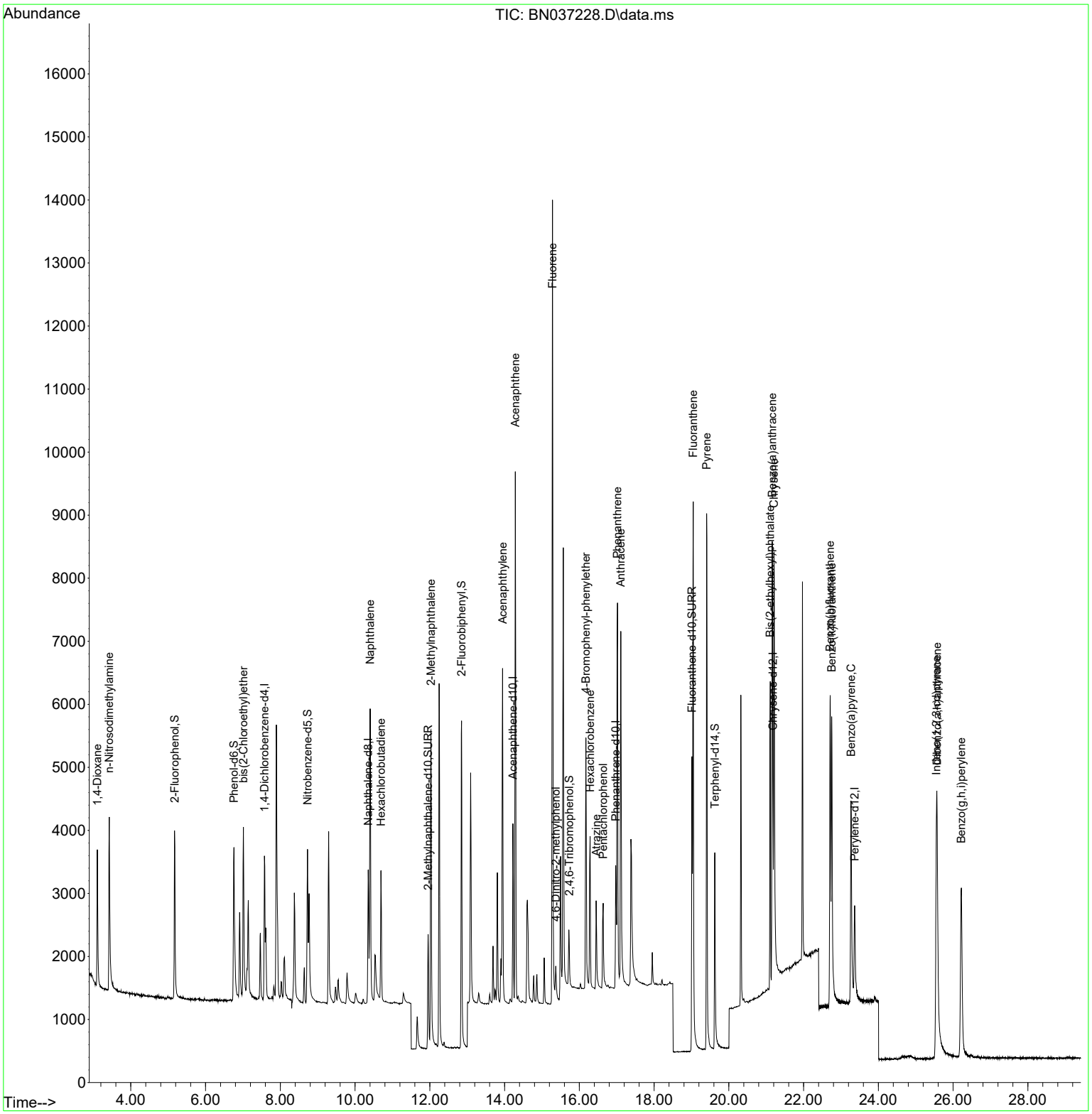
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.575	152	1134	0.400	ng		0.00
7) Naphthalene-d8	10.351	136	2810	0.400	ng		#-0.01
13) Acenaphthene-d10	14.224	164	1528	0.400	ng		0.00
19) Phenanthrene-d10	16.971	188	2916	0.400	ng		0.00
29) Chrysene-d12	21.180	240	2294	0.400	ng		0.00
35) Perylene-d12	23.365	264	2157	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	2057	0.739	ng		0.00
5) Phenol-d6	6.759	99	2237	0.762	ng		0.00
8) Nitrobenzene-d5	8.728	82	2118	0.763	ng		0.00
11) 2-Methylnaphthalene-d10	11.955	152	2923	0.775	ng		0.00
14) 2,4,6-Tribromophenol	15.730	330	524	0.826	ng		0.00
15) 2-Fluorobiphenyl	12.848	172	5066	0.789	ng		0.00
27) Fluoranthene-d10	19.012	212	5930	0.777	ng		0.00
31) Terphenyl-d14	19.625	244	3995	0.770	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.104	88	1213	0.780	ng		91
3) n-Nitrosodimethylamine	3.422	42	2739	0.773	ng		98
6) bis(2-Chloroethyl)ether	7.011	93	2165	0.823	ng		90
9) Naphthalene	10.404	128	6231	0.766	ng		97
10) Hexachlorobutadiene	10.692	225	1523	0.769	ng	#	97
12) 2-Methylnaphthalene	12.031	142	3926	0.794	ng		99
16) Acenaphthylene	13.946	152	5851	0.781	ng		99
17) Acenaphthene	14.288	154	3758	0.778	ng		100
18) Fluorene	15.282	166	4919	0.792	ng		99
20) 4,6-Dinitro-2-methylph...	15.368	198	499	0.762	ng	#	77
21) 4-Bromophenyl-phenylether	16.177	248	1493	0.786	ng		91
22) Hexachlorobenzene	16.289	284	1655	0.751	ng		97
23) Atrazine	16.450	200	1327	0.783	ng		93
24) Pentachlorophenol	16.636	266	800	0.741	ng		99
25) Phenanthrene	17.021	178	7220	0.781	ng		99
26) Anthracene	17.108	178	6635	0.784	ng		99
28) Fluoranthene	19.045	202	8450	0.781	ng		99
30) Pyrene	19.407	202	8483	0.787	ng		99
32) Benzo(a)anthracene	21.162	228	6109	0.789	ng		98
33) Chrysene	21.206	228	7421	0.769	ng		99
34) Bis(2-ethylhexyl)phtha...	21.108	149	4590	0.796	ng		100
36) Indeno(1,2,3-cd)pyrene	25.552	276	6412	0.737	ng	#	88
37) Benzo(b)fluoranthene	22.711	252	6280	0.796	ng		91
38) Benzo(k)fluoranthene	22.752	252	7192	0.795	ng	#	92
39) Benzo(a)pyrene	23.269	252	5598	0.789	ng	#	88
40) Dibenzo(a,h)anthracene	25.570	278	4824	0.736	ng	#	88
41) Benzo(g,h,i)perylene	26.219	276	5978	0.741	ng		98

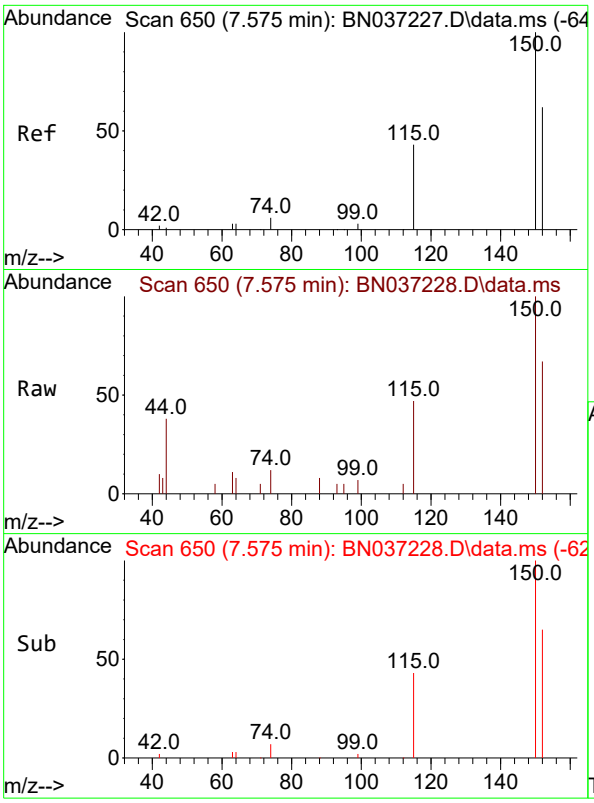
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037228.D
Acq On : 13 Jun 2025 15:22
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Jun 13 18:37:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:34:15 2025
Response via : Initial Calibration



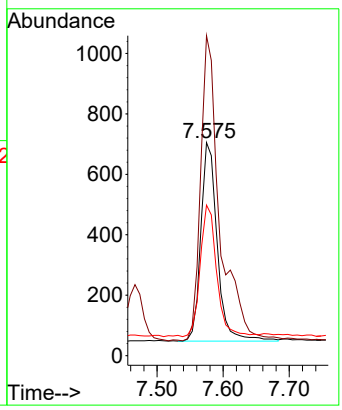


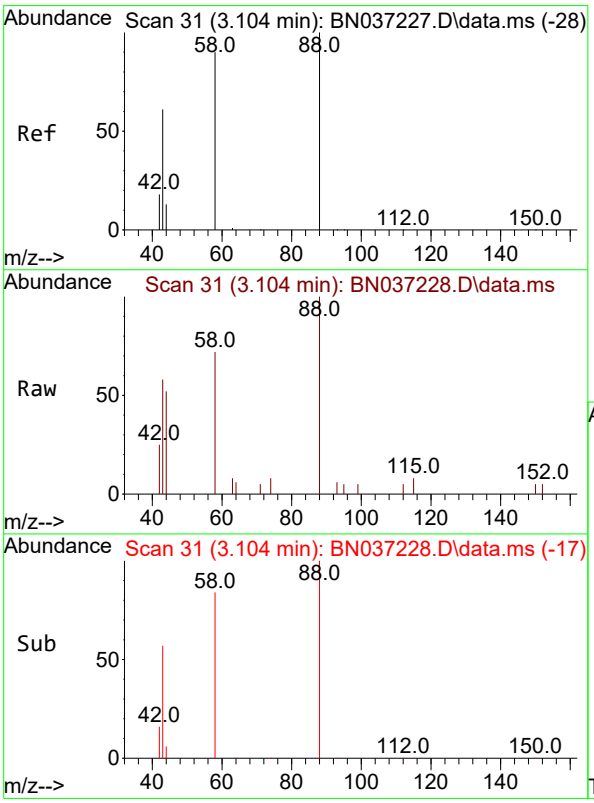
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.575 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 1134

Ion	Ratio	Lower	Upper
152	100		
150	150.2	125.2	187.8
115	70.6	58.4	87.6

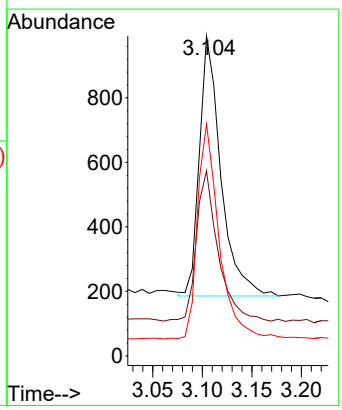


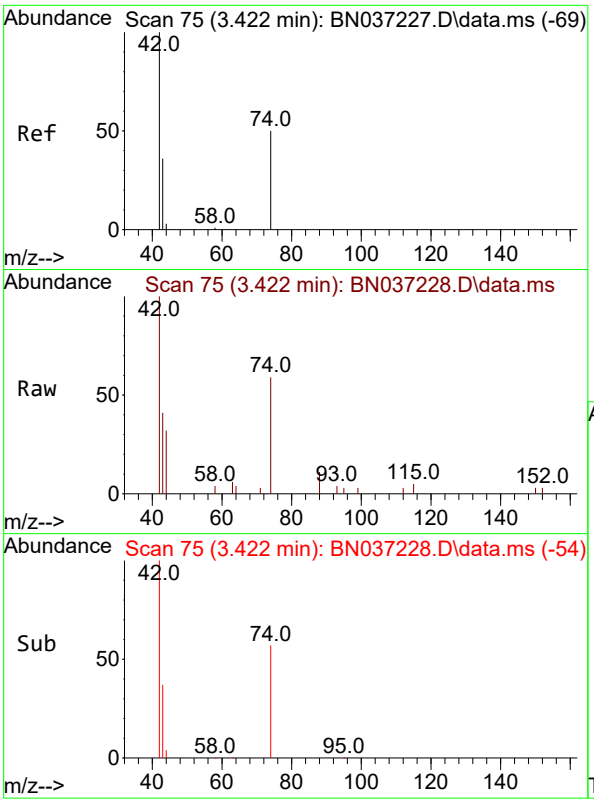


#2
1,4-Dioxane
Concen: 0.780 ng
RT: 3.104 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Tgt Ion: 88 Resp: 1213

Ion	Ratio	Lower	Upper
88	100		
43	58.5	52.6	79.0
58	83.3	73.5	110.3



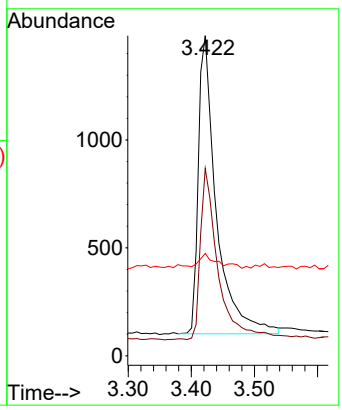


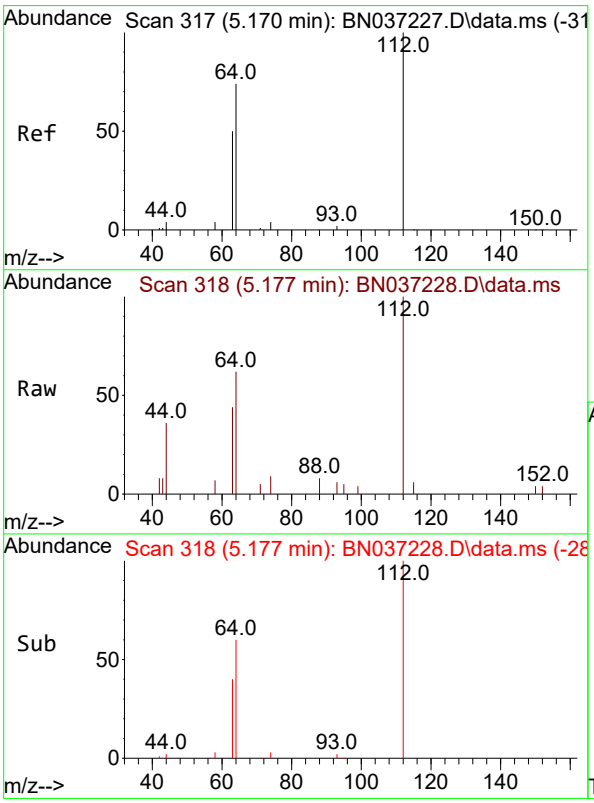
#3
n-Nitrosodimethylamine
Concen: 0.773 ng
RT: 3.422 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 42 Resp: 2739

Ion	Ratio	Lower	Upper
42	100		
74	56.8	44.6	66.8
44	4.9	3.5	5.3

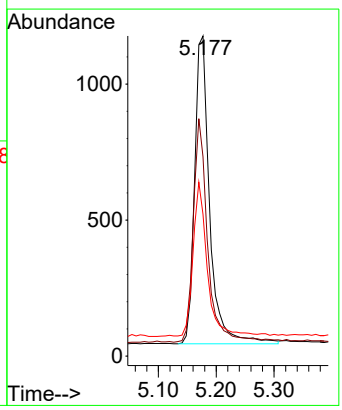


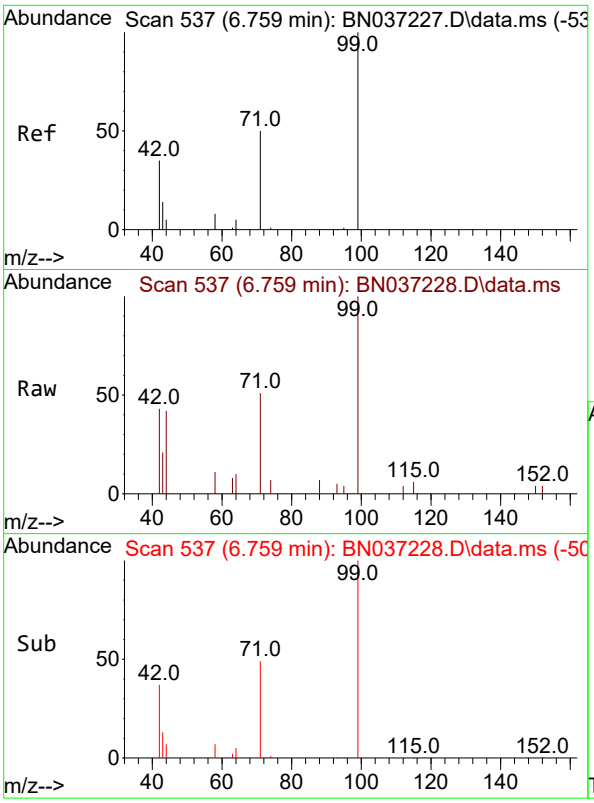


#4
2-Fluorophenol
Concen: 0.739 ng
RT: 5.177 min Scan# 318
Delta R.T. 0.007 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Tgt Ion:112 Resp: 2057

Ion	Ratio	Lower	Upper
112	100		
64	70.2	57.2	85.8
63	46.4	39.8	59.6



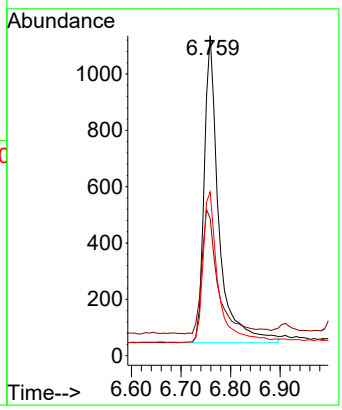


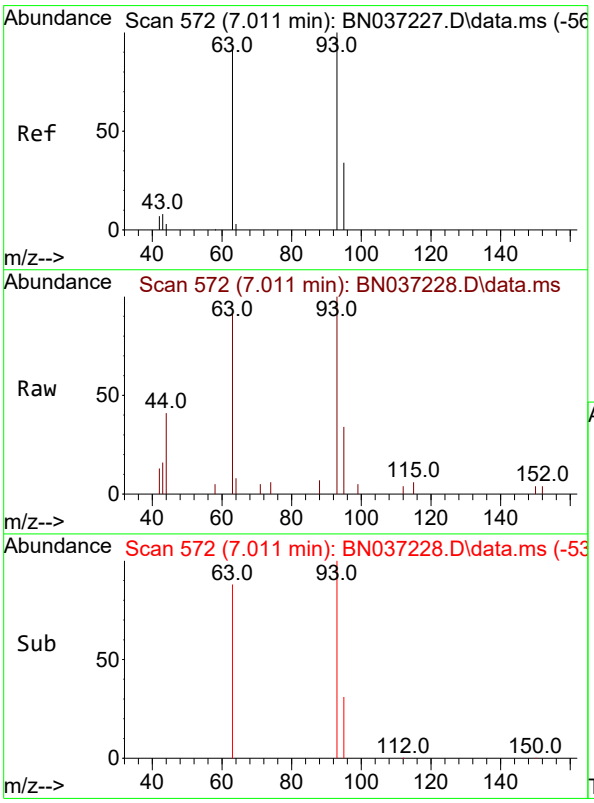
#5
Phenol-d6
Concen: 0.762 ng
RT: 6.759 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 99 Resp: 2237

Ion	Ratio	Lower	Upper
99	100		
42	43.8	36.2	54.4
71	50.7	42.4	63.6

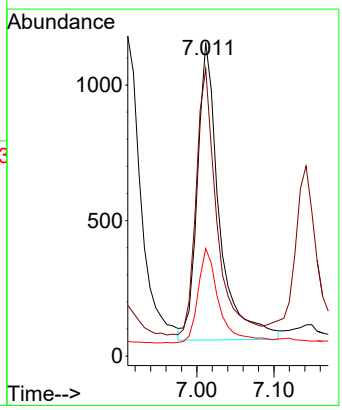


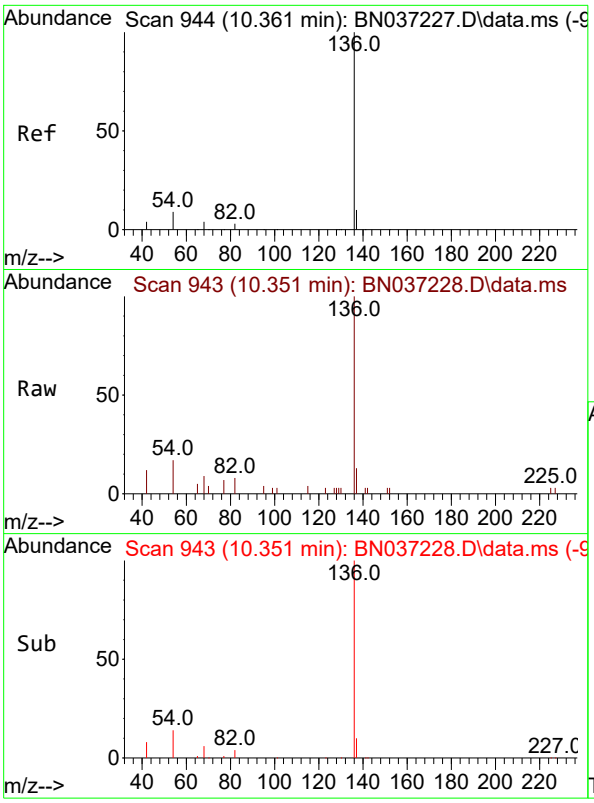


#6
bis(2-Chloroethyl)ether
Concen: 0.823 ng
RT: 7.011 min Scan# 572
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Tgt Ion: 93 Resp: 2165

Ion	Ratio	Lower	Upper
93	100		
63	83.9	75.2	112.8
95	30.8	28.3	42.5



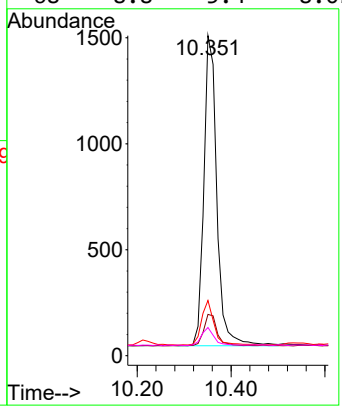


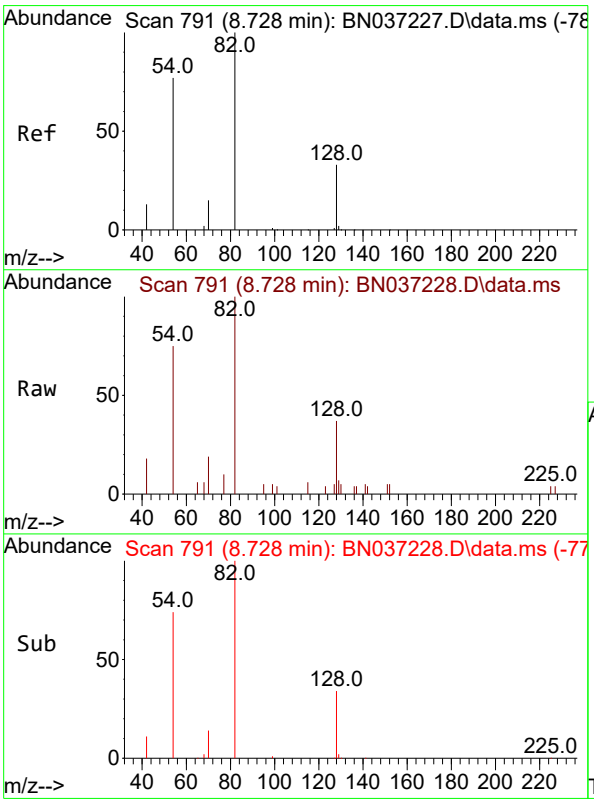
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:136 Resp: 2810

Ion	Ratio	Lower	Upper
136	100		
137	12.9	10.6	15.8
54	17.3	9.2	13.8#
68	8.8	5.4	8.0#

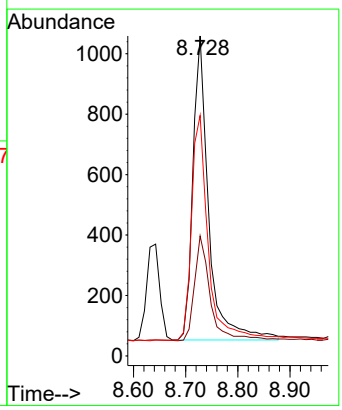


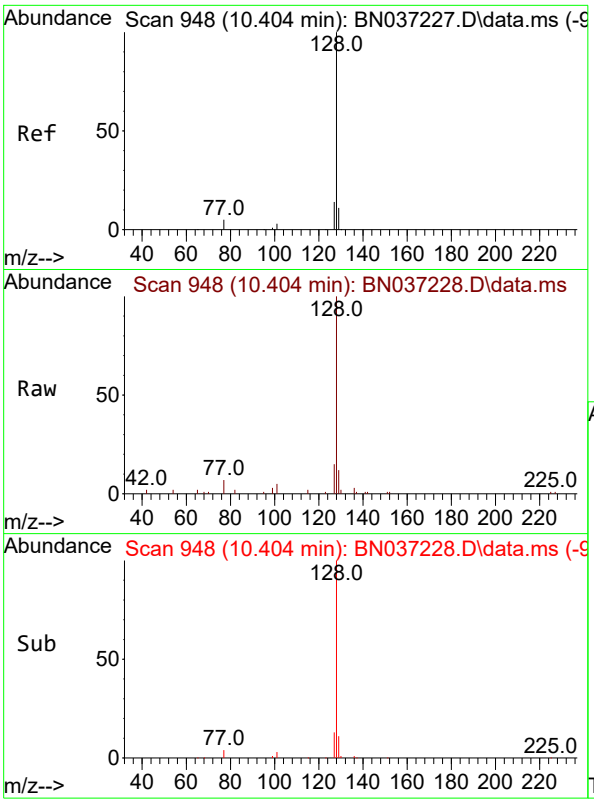


#8
Nitrobenzene-d5
Concen: 0.763 ng
RT: 8.728 min Scan# 791
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Tgt Ion: 82 Resp: 2118

Ion	Ratio	Lower	Upper
82	100		
128	37.5	31.2	46.8
54	75.2	63.3	94.9



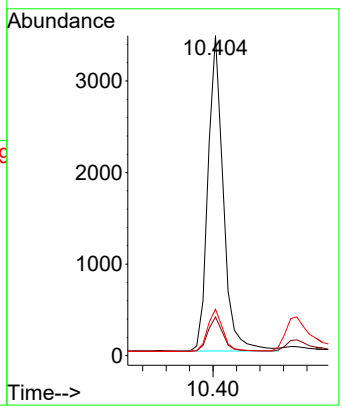


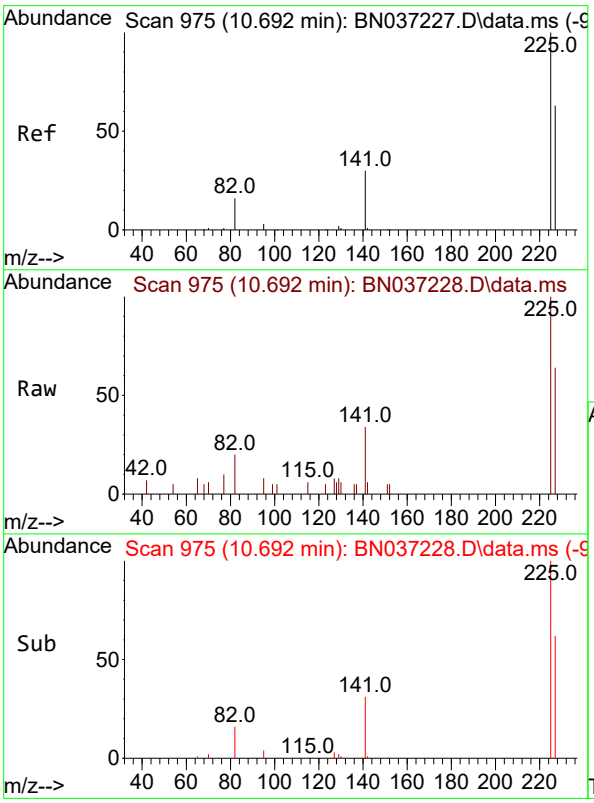
#9
Naphthalene
Concen: 0.766 ng
RT: 10.404 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 6231

Ion	Ratio	Lower	Upper
128	100		
129	12.1	10.7	16.1
127	14.5	12.6	19.0

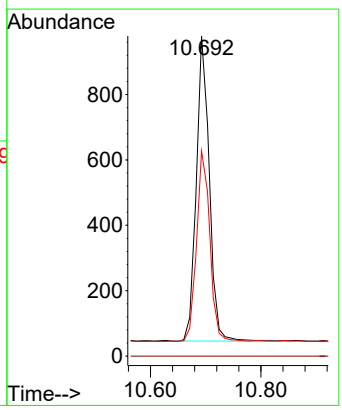


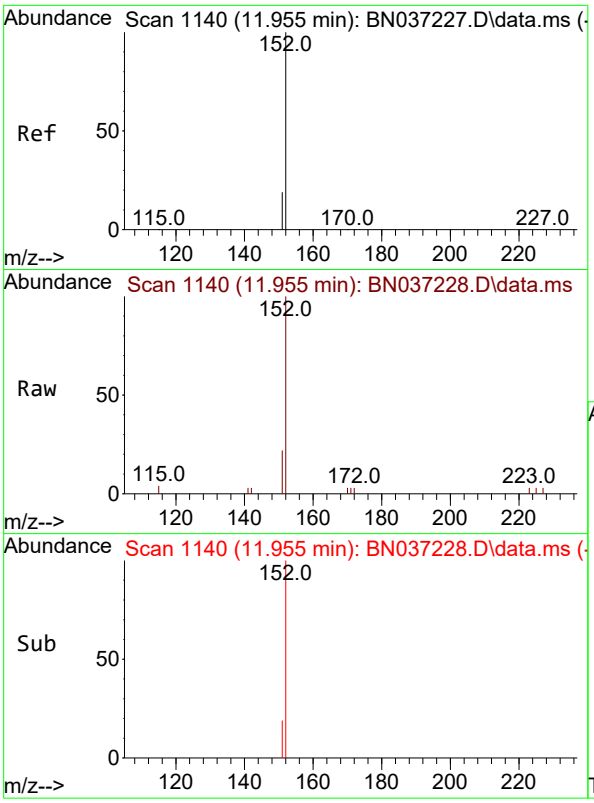


#10
Hexachlorobutadiene
Concen: 0.769 ng
RT: 10.692 min Scan# 975
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Tgt Ion:225 Resp: 1523

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	49.2	73.8



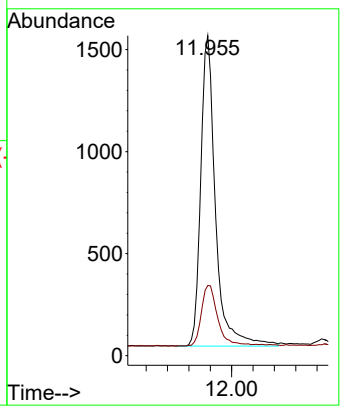


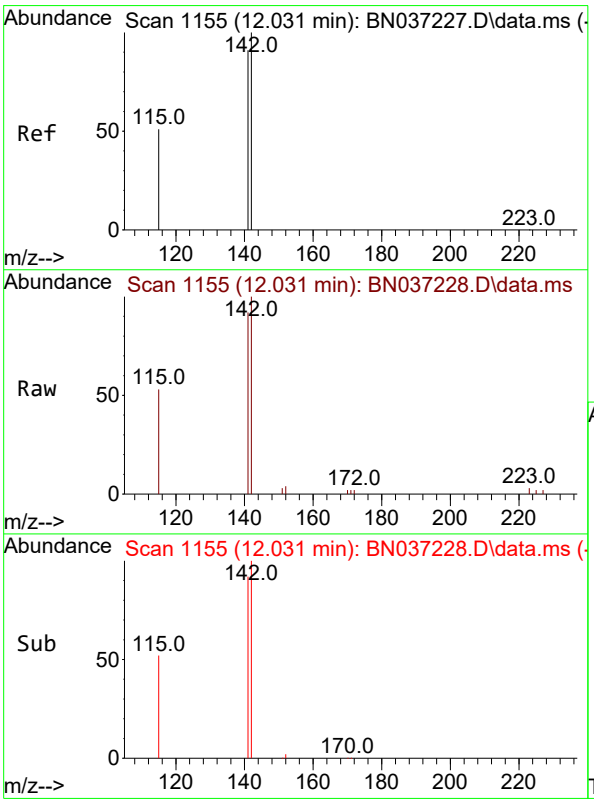
#11
2-Methylnaphthalene-d10
Concen: 0.775 ng
RT: 11.955 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 2923

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.9	26.9

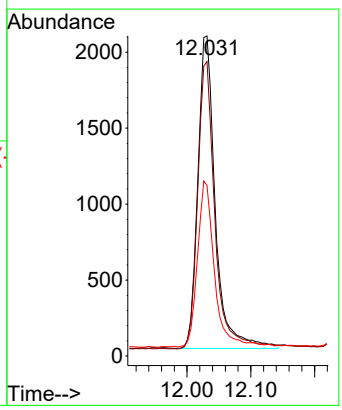


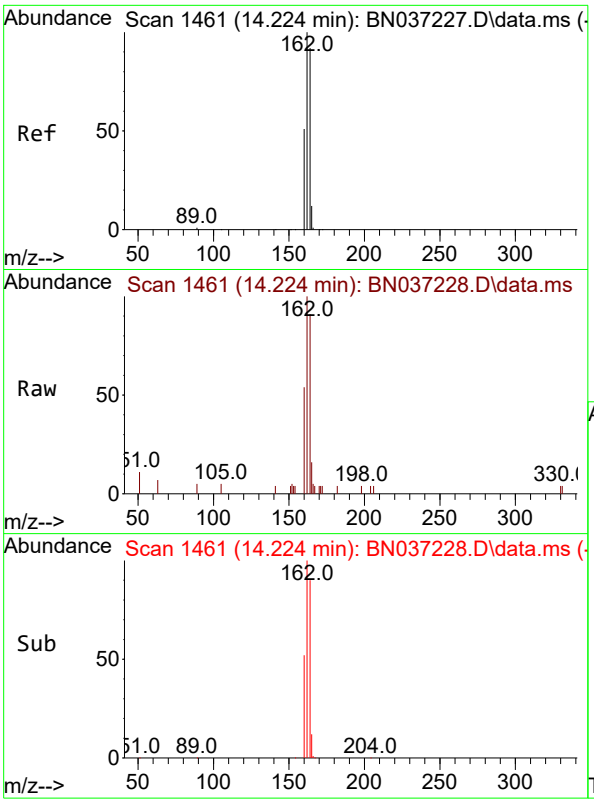


#12
2-Methylnaphthalene
Concen: 0.794 ng
RT: 12.031 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Tgt Ion:142 Resp: 3926

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.0	109.6
115	53.3	43.3	64.9



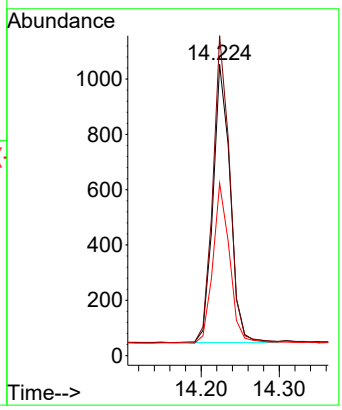


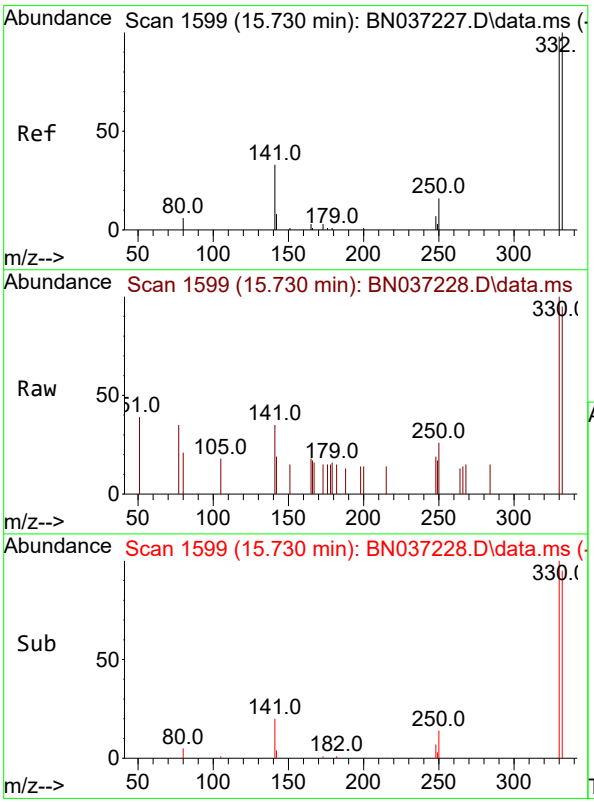
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:164 Resp: 1528

Ion	Ratio	Lower	Upper
164	100		
162	109.9	86.7	130.1
160	59.2	45.8	68.6

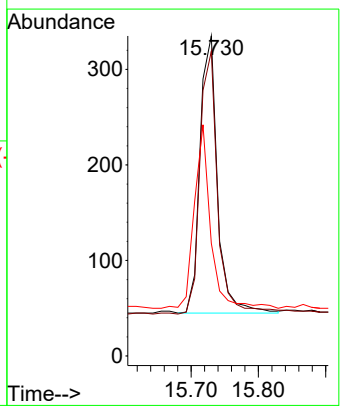


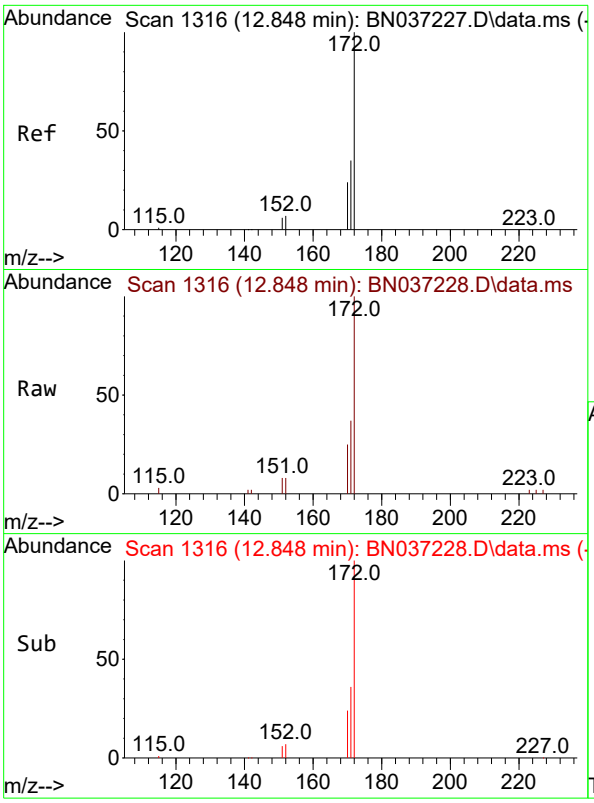


#14
2,4,6-Tribromophenol
Concen: 0.826 ng
RT: 15.730 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Tgt Ion:330 Resp: 524

Ion	Ratio	Lower	Upper
330	100		
332	98.1	74.9	112.3
141	61.5	45.1	67.7



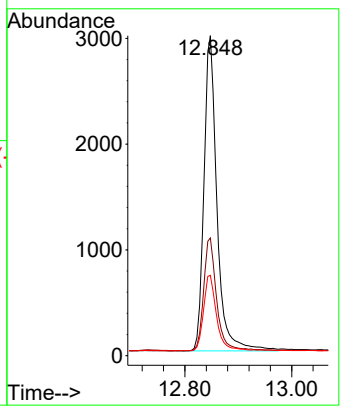


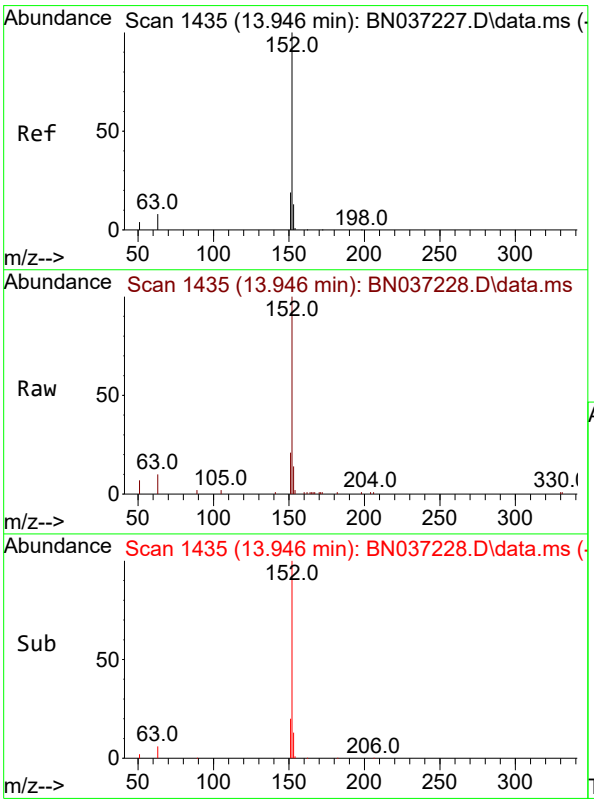
#15
2-Fluorobiphenyl
Concen: 0.789 ng
RT: 12.848 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:172 Resp: 5066

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.8	44.8
170	25.1	21.1	31.7

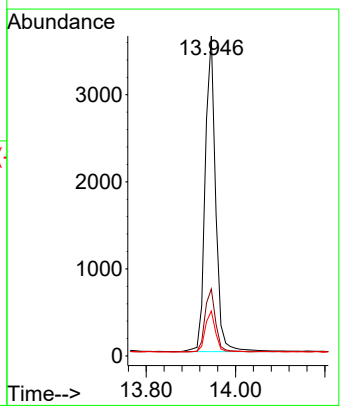


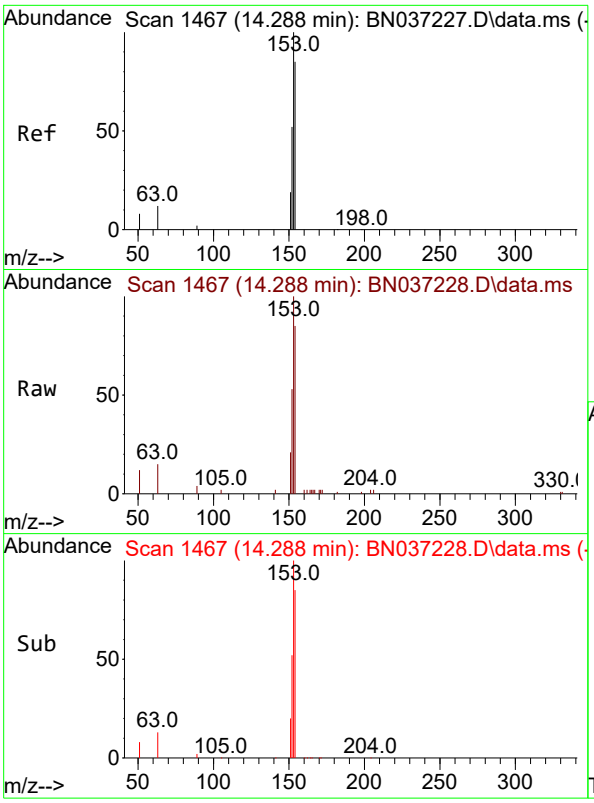


#16
Acenaphthylene
Concen: 0.781 ng
RT: 13.946 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Tgt Ion:152 Resp: 5851

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.7	23.5
153	12.9	10.7	16.1



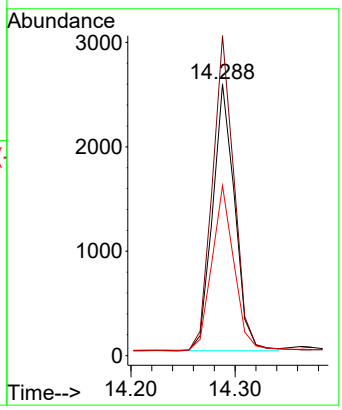


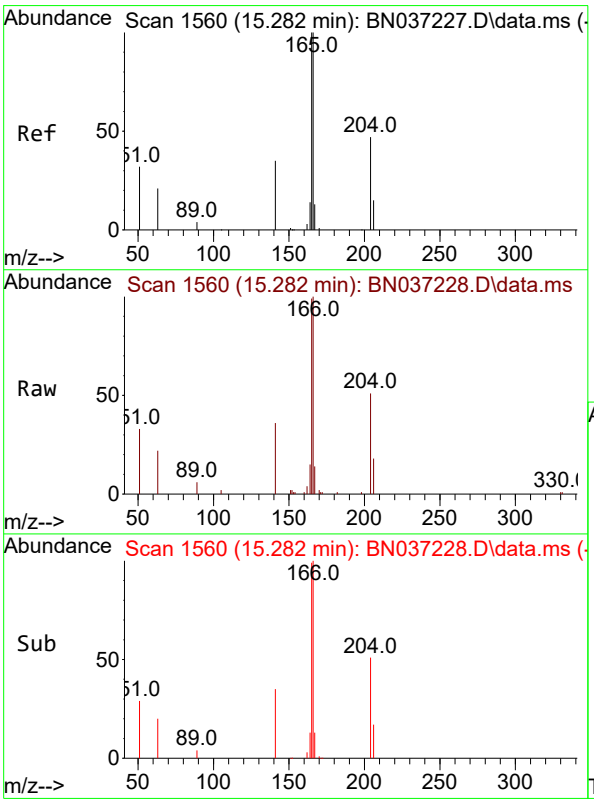
#17
Acenaphthene
Concen: 0.778 ng
RT: 14.288 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:154 Resp: 3758

Ion	Ratio	Lower	Upper
154	100		
153	117.6	94.6	141.8
152	62.3	49.6	74.4

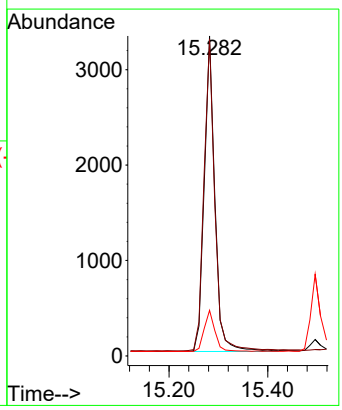


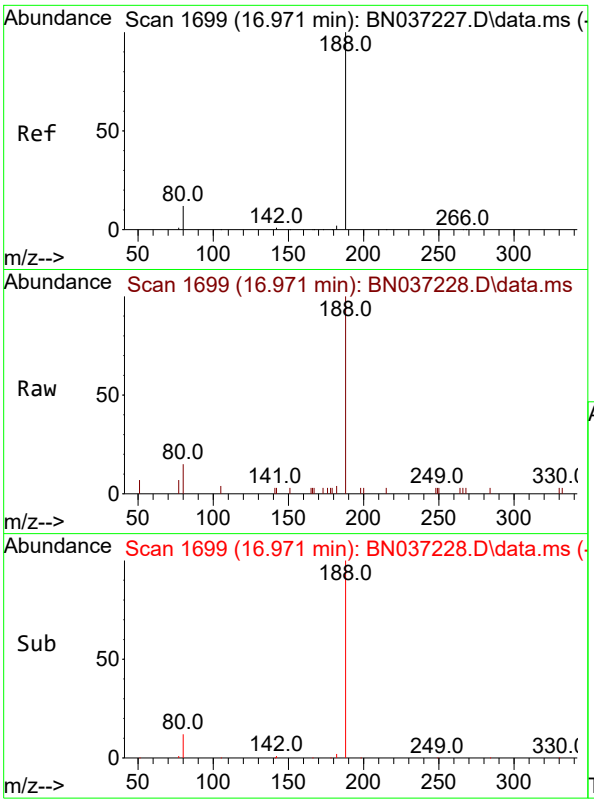


#18
Fluorene
Concen: 0.792 ng
RT: 15.282 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Tgt Ion:166 Resp: 4919

Ion	Ratio	Lower	Upper
166	100		
165	101.1	79.8	119.6
167	13.5	10.8	16.2



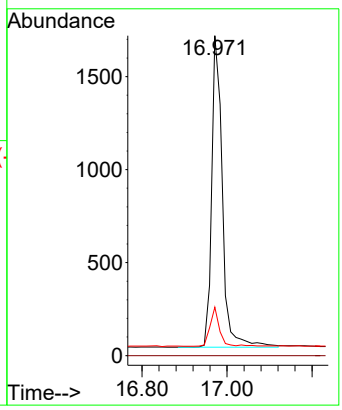


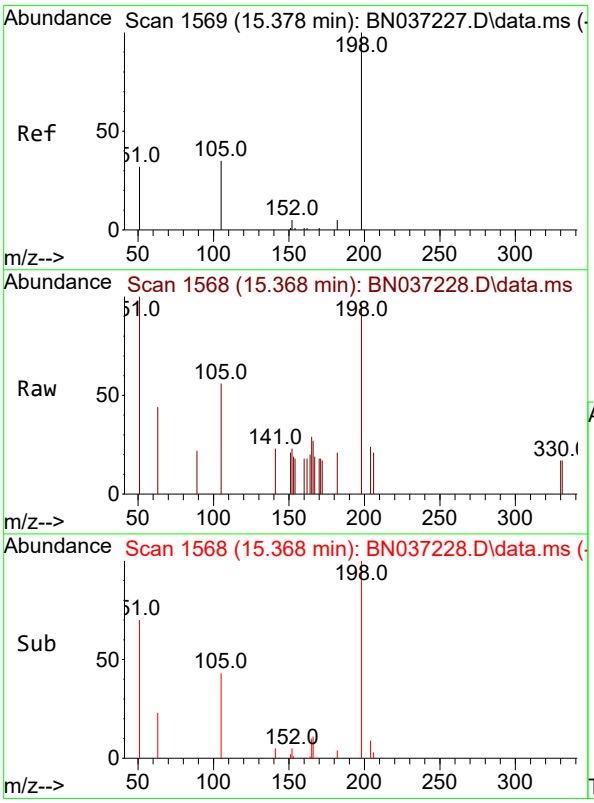
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:188 Resp: 2916

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.1	12.2	18.4

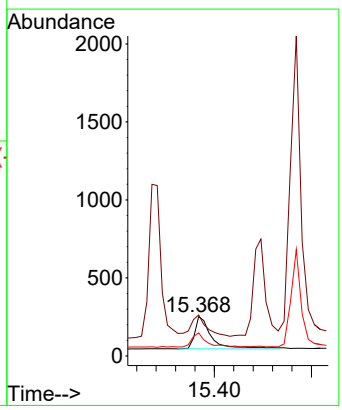


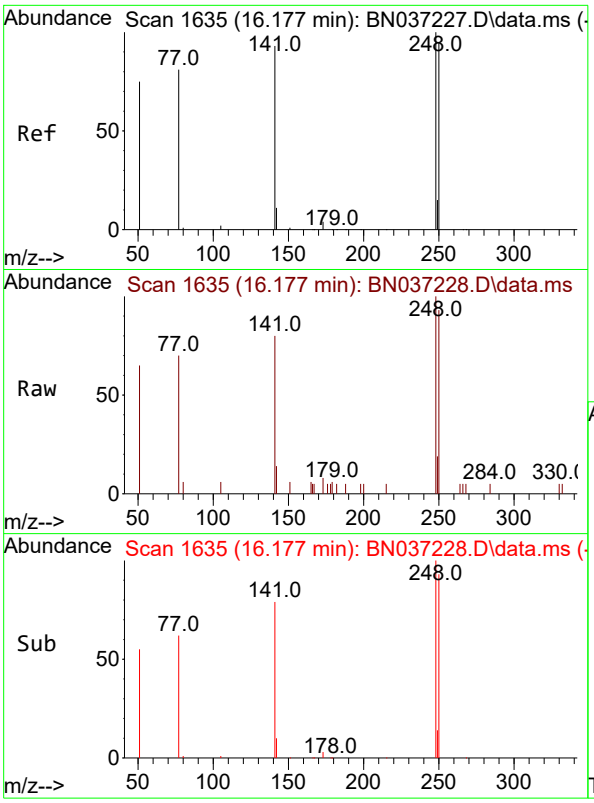


#20
4,6-Dinitro-2-methylphenol
Concen: 0.762 ng
RT: 15.368 min Scan# 1568
Delta R.T. -0.010 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Tgt Ion:198 Resp: 499

Ion	Ratio	Lower	Upper
198	100		
51	104.0	111.2	166.8#
105	58.3	54.0	81.0



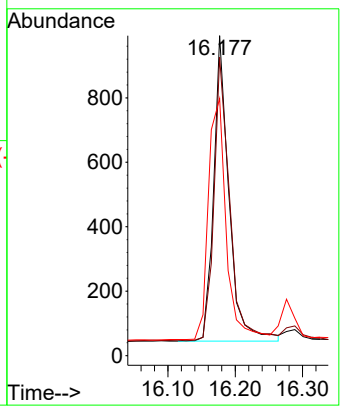


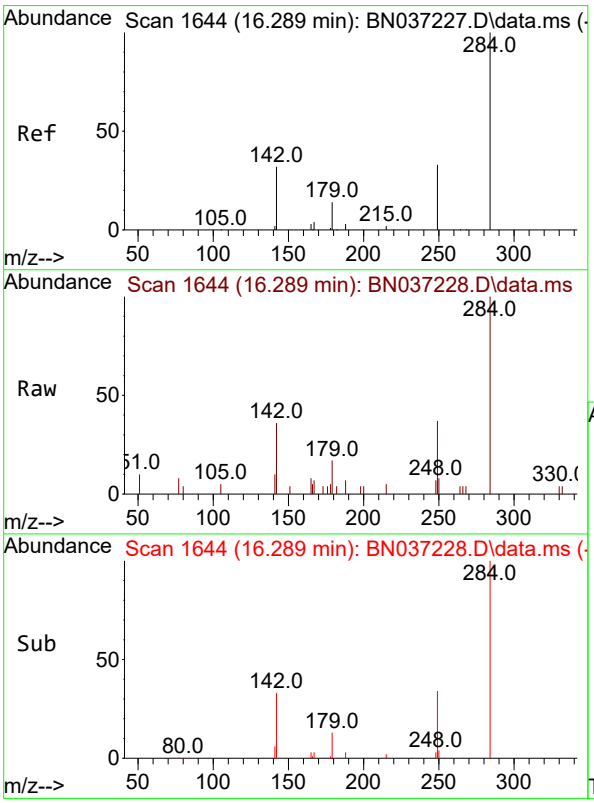
#21
4-Bromophenyl-phenylether
Concen: 0.786 ng
RT: 16.177 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:248 Resp: 1493

Ion	Ratio	Lower	Upper
248	100		
250	93.3	76.8	115.2
141	80.4	75.6	113.4

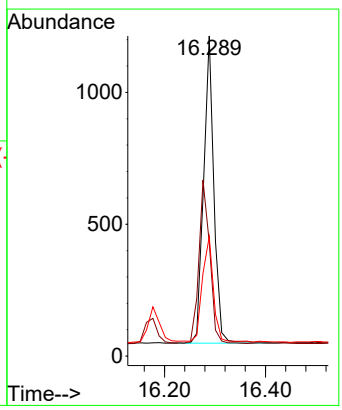


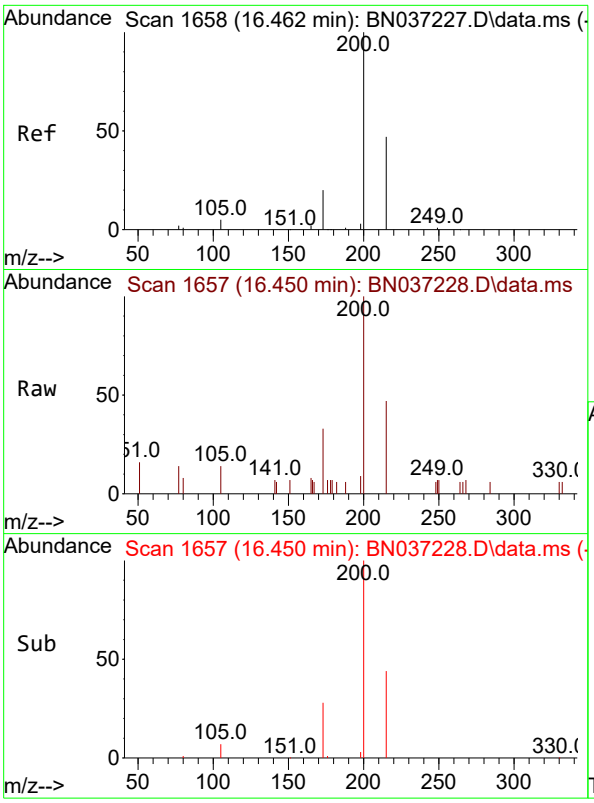


#22
Hexachlorobenzene
Concen: 0.751 ng
RT: 16.289 min Scan# 1644
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Tgt Ion:284 Resp: 1655

Ion	Ratio	Lower	Upper
284	100		
142	56.3	43.8	65.6
249	37.4	28.4	42.6



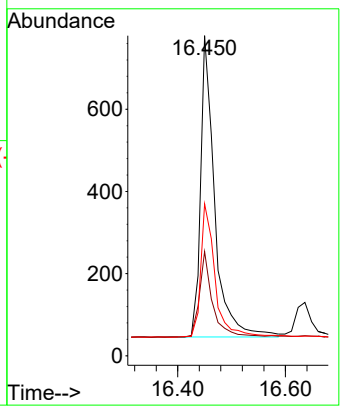


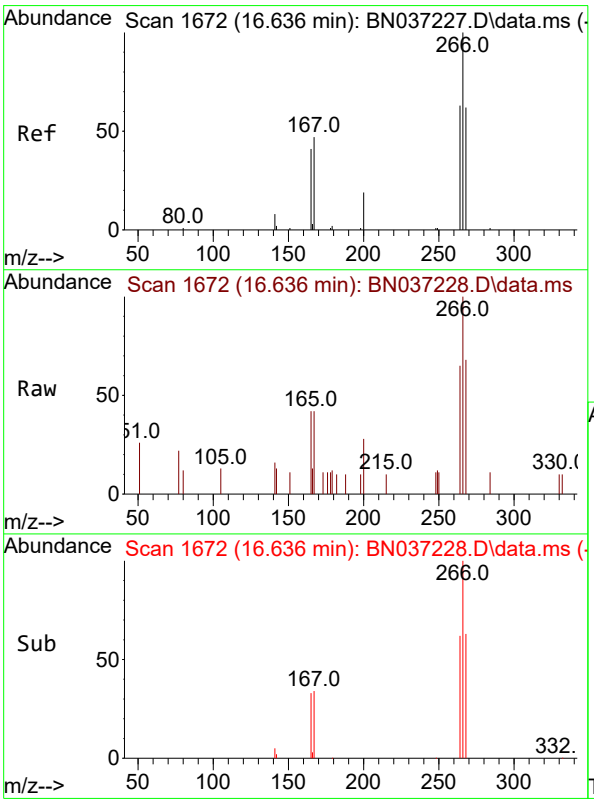
#23
Atrazine
Concen: 0.783 ng
RT: 16.450 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:200 Resp: 1327

Ion	Ratio	Lower	Upper
200	100		
173	32.6	25.1	37.7
215	47.5	43.7	65.5

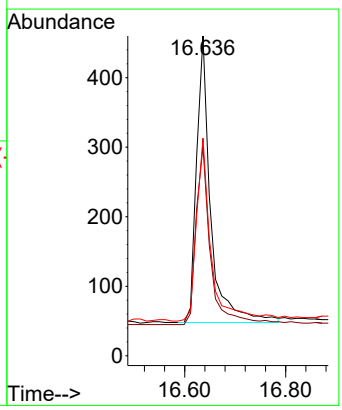


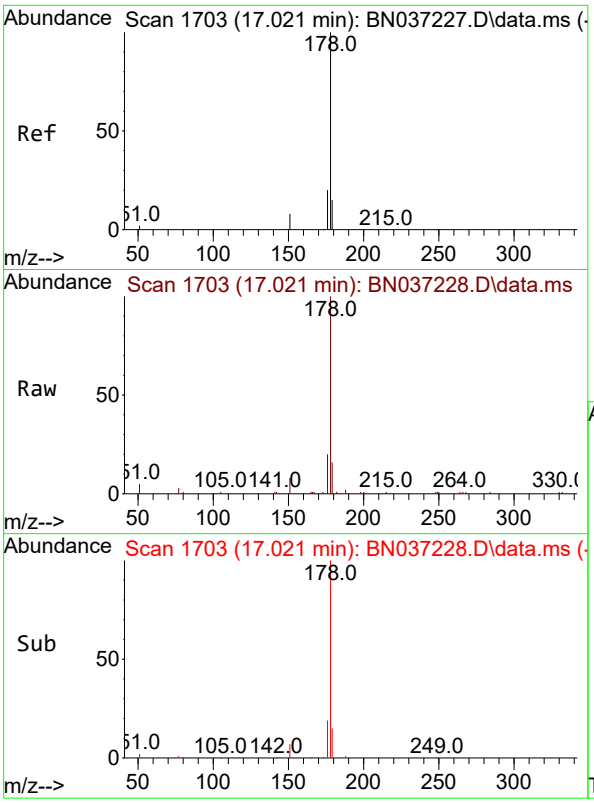


#24
Pentachlorophenol
Concen: 0.741 ng
RT: 16.636 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Tgt Ion:266 Resp: 800

Ion	Ratio	Lower	Upper
266	100		
264	63.2	49.2	73.8
268	66.6	53.4	80.2



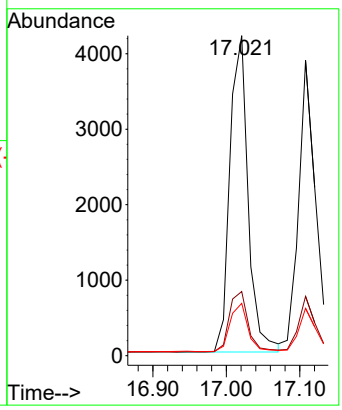


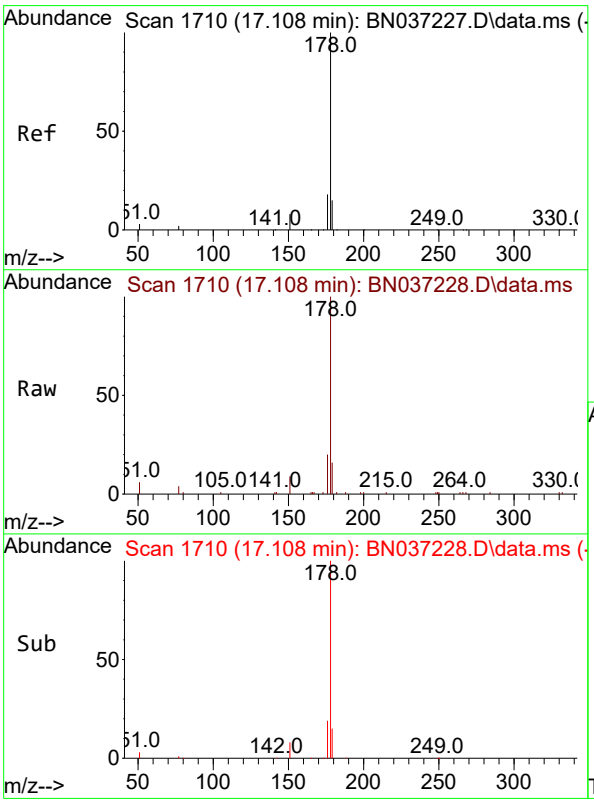
#25
Phenanthrene
Concen: 0.781 ng
RT: 17.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:178 Resp: 7220

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.3	24.5
179	15.0	12.6	18.8

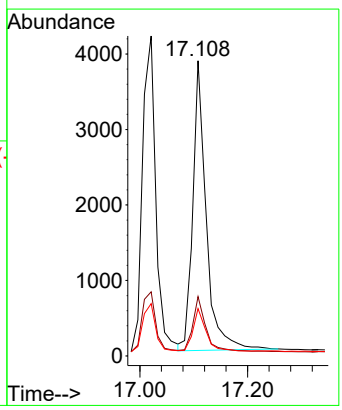


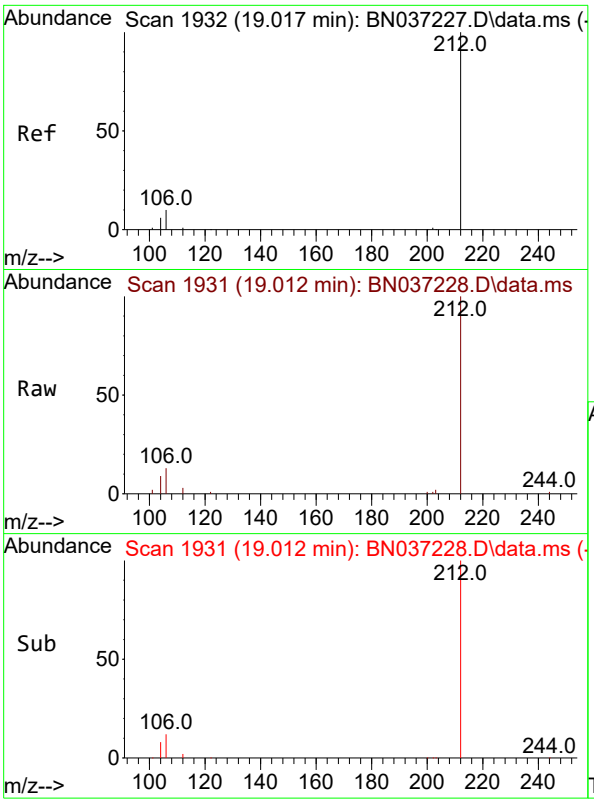


#26
Anthracene
Concen: 0.784 ng
RT: 17.108 min Scan# 1710
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Tgt Ion:178 Resp: 6635

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	14.3	12.4	18.6



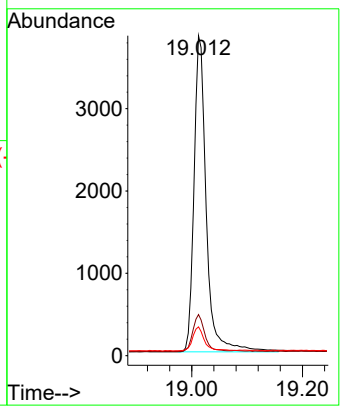


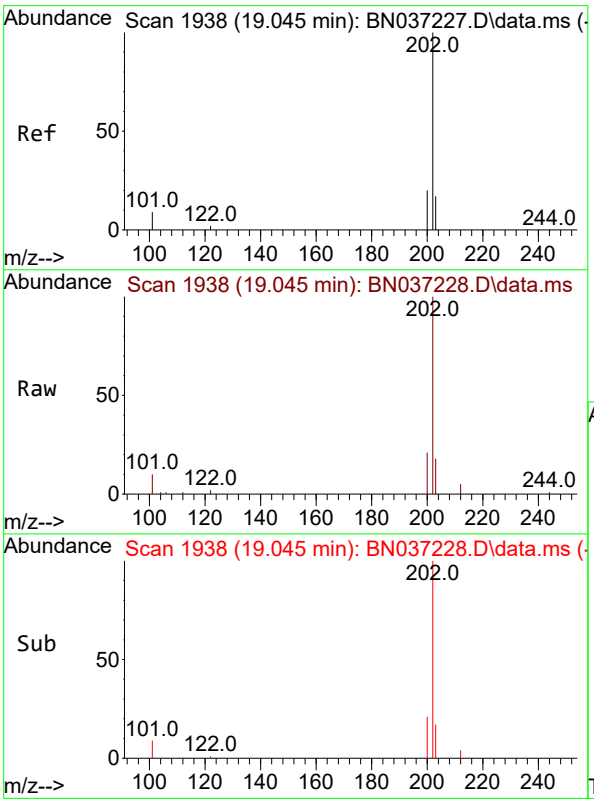
#27
Fluoranthene-d10
Concen: 0.777 ng
RT: 19.012 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:212 Resp: 5930

Ion	Ratio	Lower	Upper
212	100		
106	11.3	9.3	13.9
104	7.3	5.7	8.5

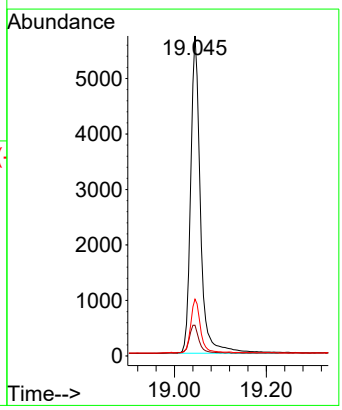


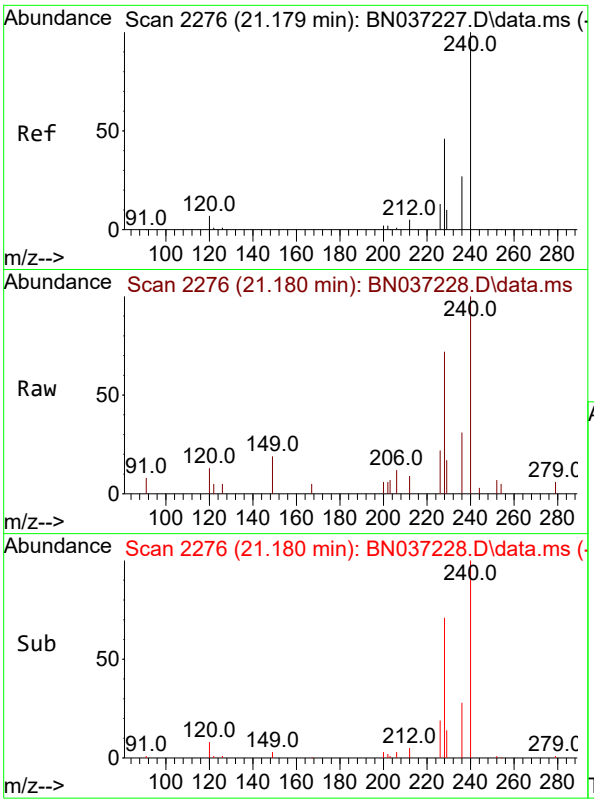


#28
Fluoranthene
Concen: 0.781 ng
RT: 19.045 min Scan# 1938
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Tgt Ion:202 Resp: 8450

Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.1	10.7
203	16.6	13.0	19.6



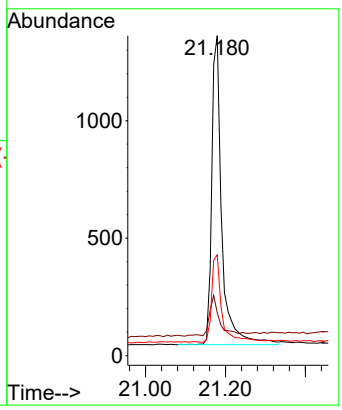


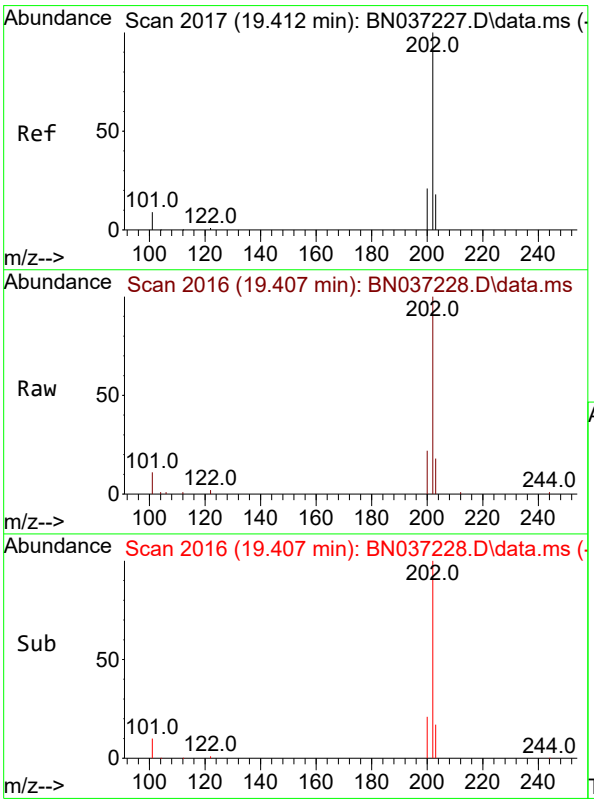
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:240 Resp: 2294

Ion	Ratio	Lower	Upper
240	100		
120	13.4	11.3	16.9
236	31.5	24.4	36.6

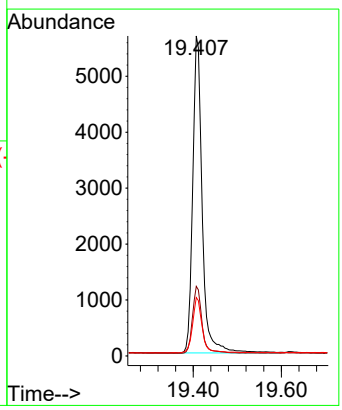


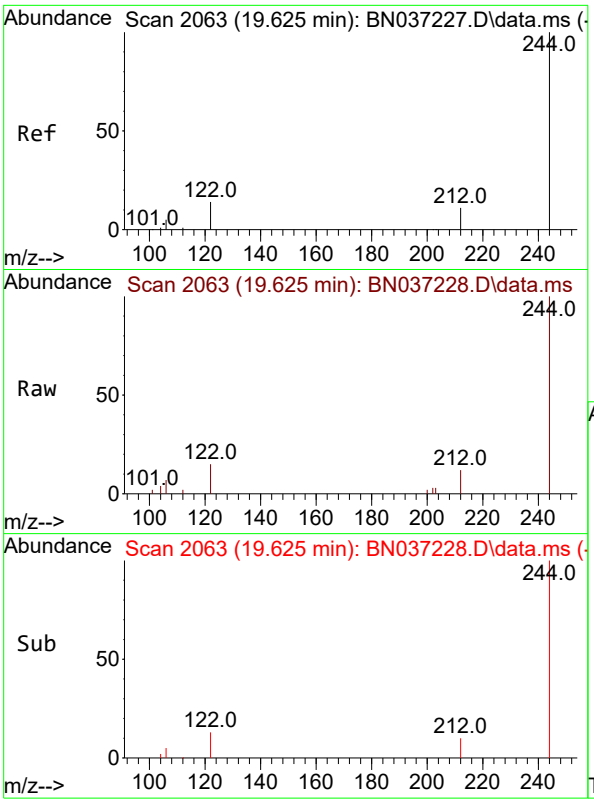


#30
Pyrene
Concen: 0.787 ng
RT: 19.407 min Scan# 2016
Delta R.T. -0.005 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Tgt Ion:202 Resp: 8483

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	17.4	14.3	21.5



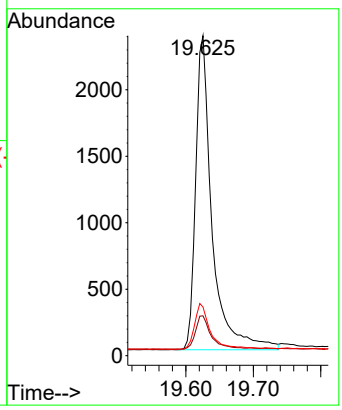


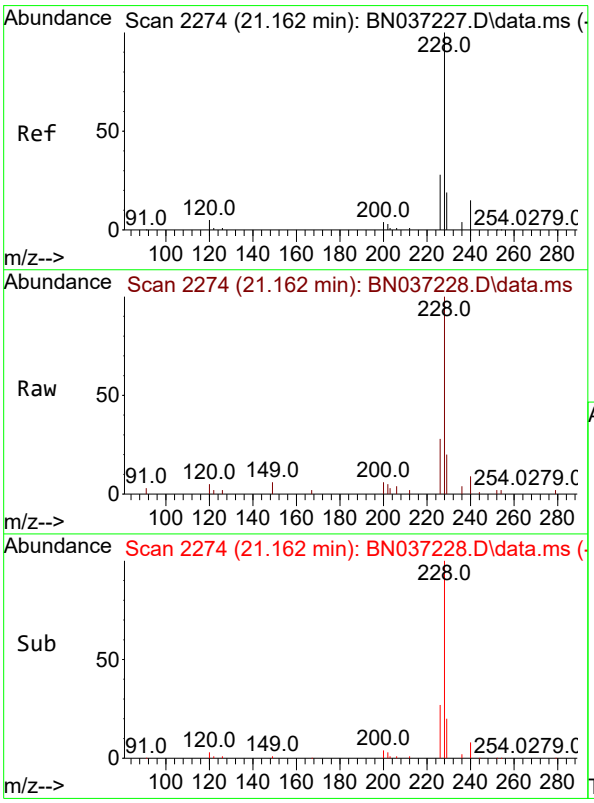
#31
Terphenyl-d14
Concen: 0.770 ng
RT: 19.625 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:244 Resp: 3995

Ion	Ratio	Lower	Upper
244	100		
212	12.5	12.2	18.2
122	15.2	14.3	21.5

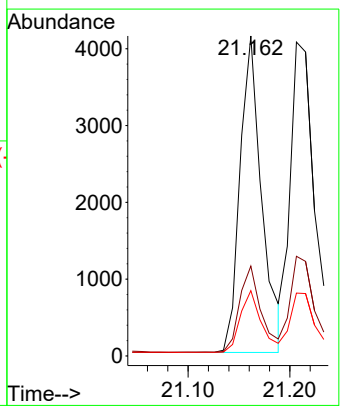


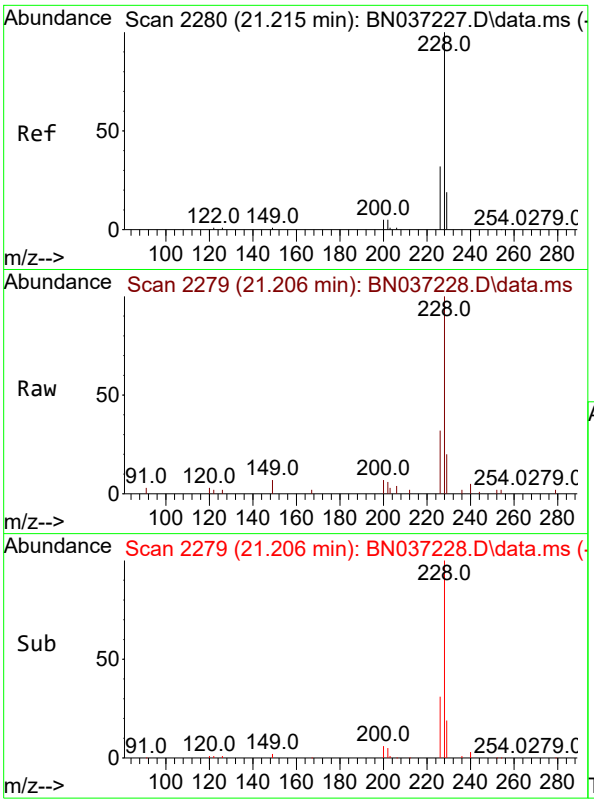


#32
Benzo(a)anthracene
Concen: 0.789 ng
RT: 21.162 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Tgt Ion:228 Resp: 6109

Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.8	35.8
229	20.4	17.0	25.4



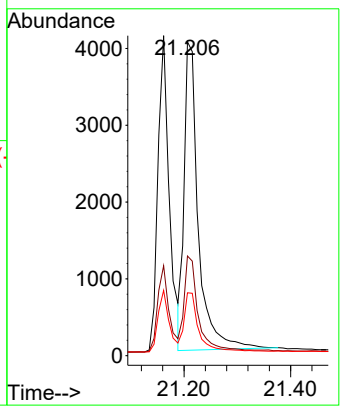


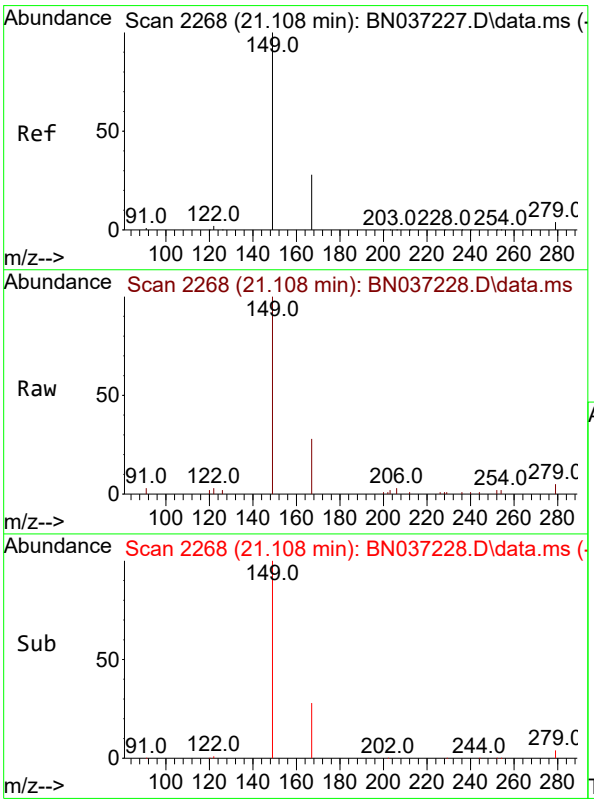
#33
Chrysene
Concen: 0.769 ng
RT: 21.206 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:228 Resp: 7421

Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.8	38.6
229	20.0	17.0	25.4

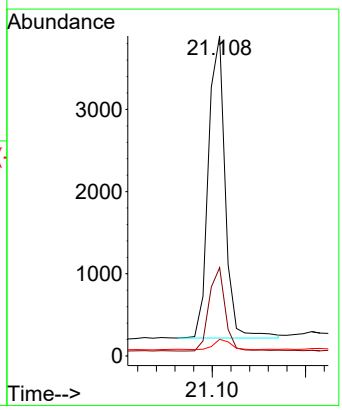


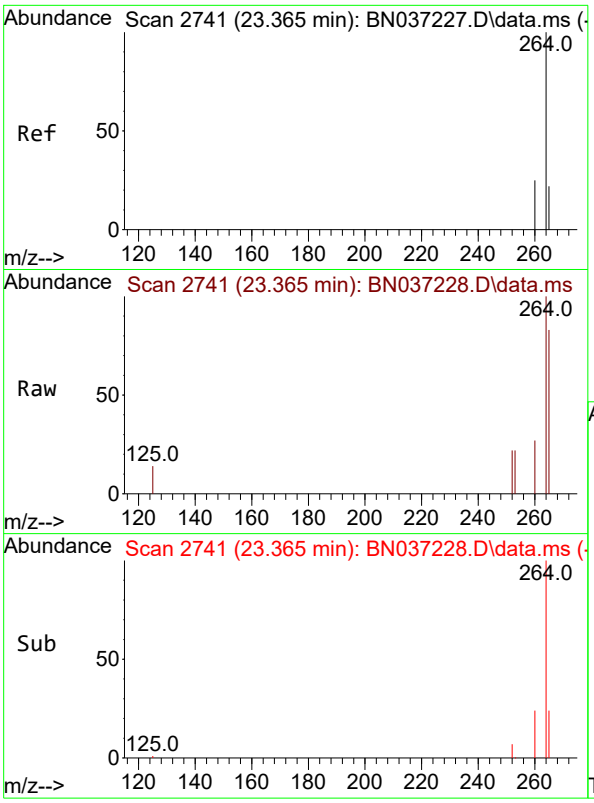


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.796 ng
RT: 21.108 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Tgt Ion:149 Resp: 4590

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.3	31.9
279	3.4	3.3	4.9



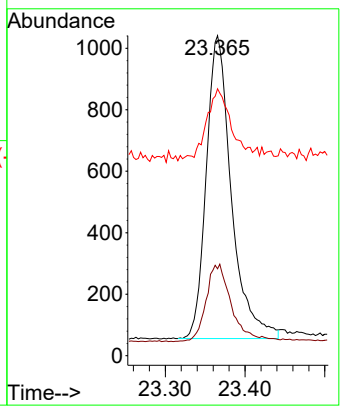


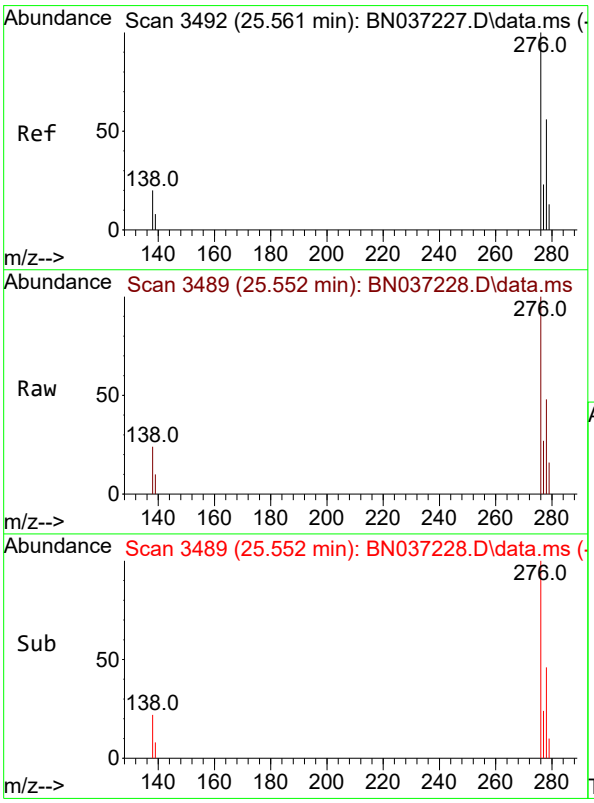
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.365 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:264 Resp: 2157

Ion	Ratio	Lower	Upper
264	100		
260	27.2	22.8	34.2
265	83.4	66.4	99.6

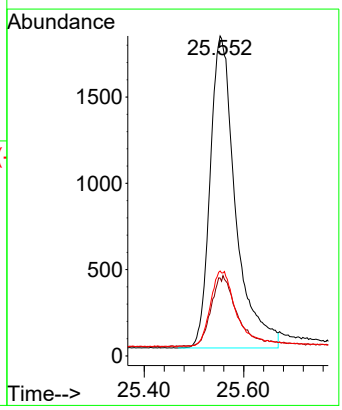


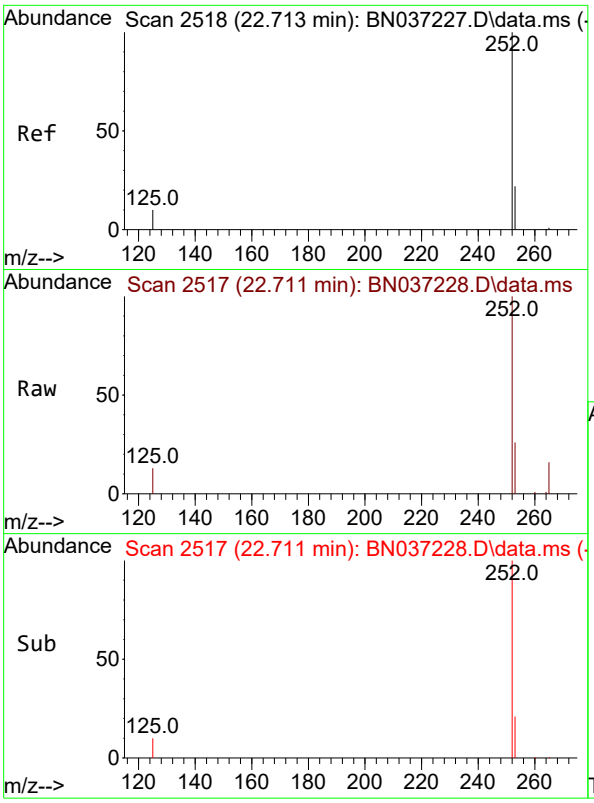


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.737 ng
RT: 25.552 min Scan# 3489
Delta R.T. -0.009 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Tgt Ion:276 Resp: 6412

Ion	Ratio	Lower	Upper
276	100		
138	9.5	16.8	25.2#
277	24.2	19.5	29.3



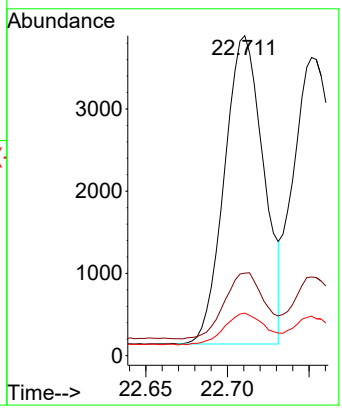


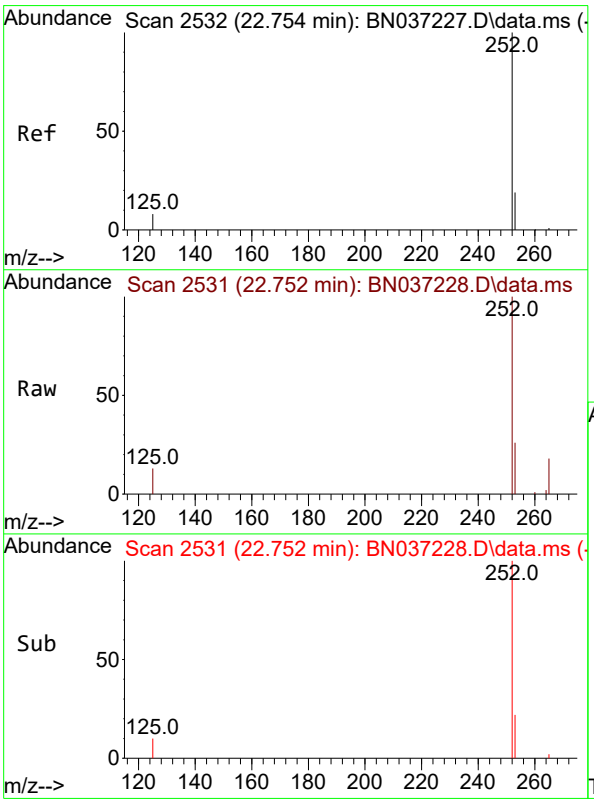
#37
Benzo(b)fluoranthene
Concen: 0.796 ng
RT: 22.711 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 6280

Ion	Ratio	Lower	Upper
252	100		
253	25.8	24.9	37.3
125	13.3	12.9	19.3

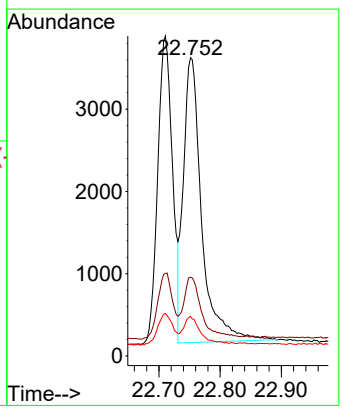


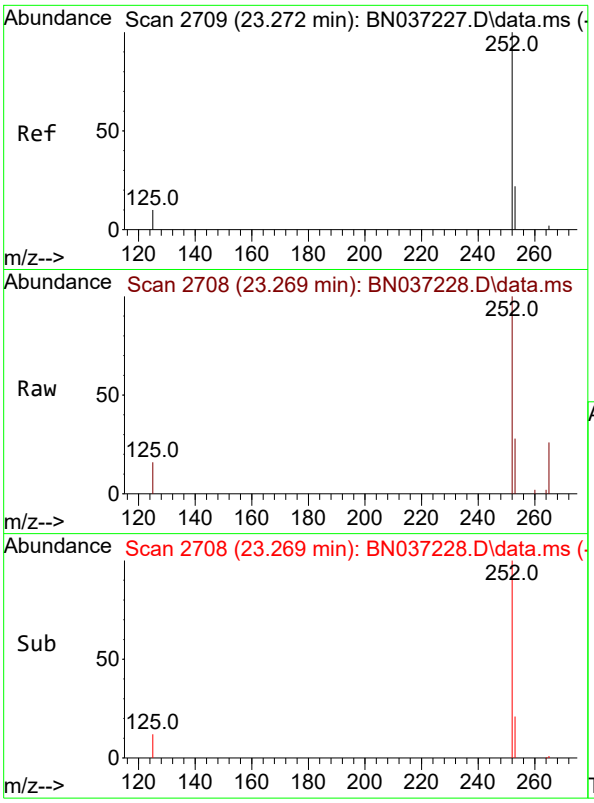


#38
Benzo(k)fluoranthene
Concen: 0.795 ng
RT: 22.752 min Scan# 2531
Delta R.T. -0.003 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Tgt Ion:252 Resp: 7192

Ion	Ratio	Lower	Upper
252	100		
253	26.4	24.6	37.0
125	13.3	13.4	20.2#



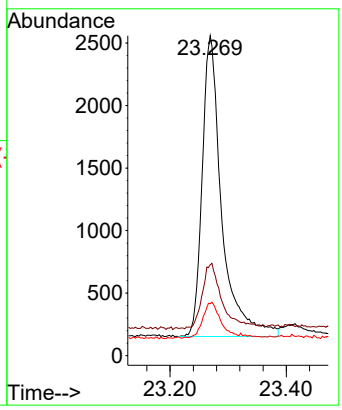


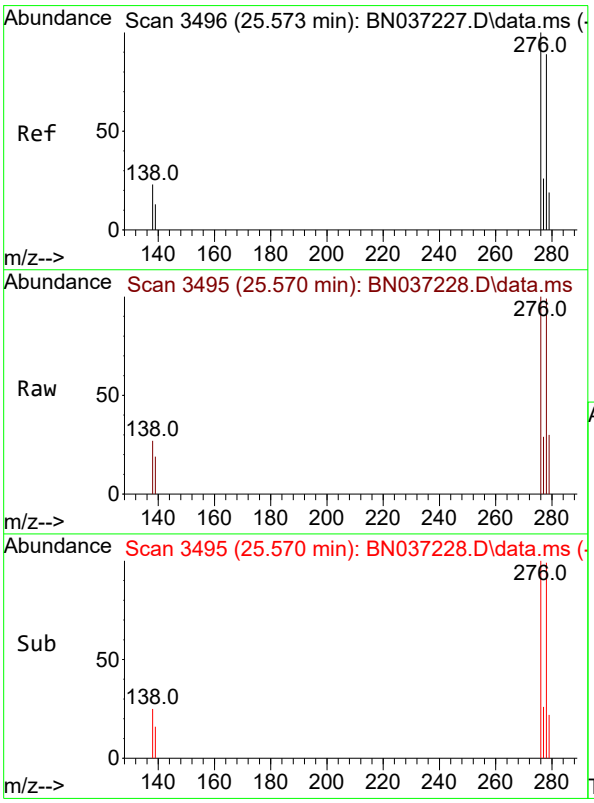
#39
Benzo(a)pyrene
Concen: 0.789 ng
RT: 23.269 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 5598

Ion	Ratio	Lower	Upper
252	100		
253	28.4	29.4	44.2#
125	16.3	16.2	24.2

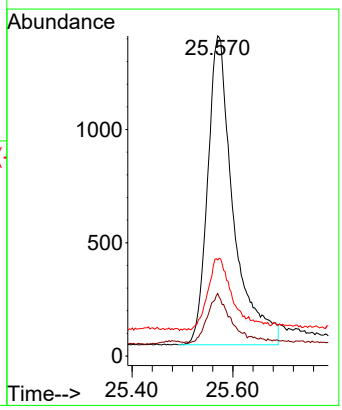


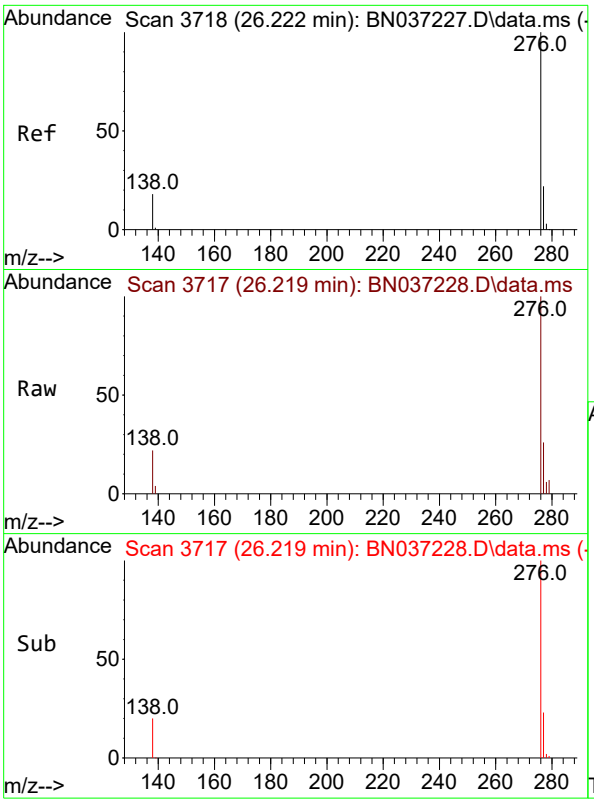


#40
Dibenzo(a,h)anthracene
Concen: 0.736 ng
RT: 25.570 min Scan# 3495
Delta R.T. -0.003 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Tgt Ion:278 Resp: 4824

Ion	Ratio	Lower	Upper
278	100		
139	19.5	17.8	26.6
279	30.0	31.3	46.9#



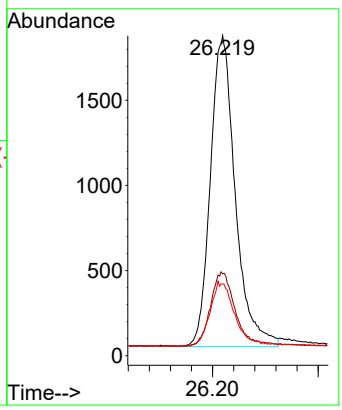


#41
Benzo(g,h,i)perylene
Concen: 0.741 ng
RT: 26.219 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037228.D
Acq: 13 Jun 2025 15:22

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 5978

Ion	Ratio	Lower	Upper
276	100		
277	25.6	22.0	33.0
138	22.4	18.4	27.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037229.D
Acq On : 13 Jun 2025 15:59
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: Jun 13 18:38:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:34:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.575	152	1193	0.400	ng		0.00
7) Naphthalene-d8	10.351	136	2881	0.400	ng		#-0.01
13) Acenaphthene-d10	14.224	164	1539	0.400	ng		0.00
19) Phenanthrene-d10	16.971	188	2917	0.400	ng		0.00
29) Chrysene-d12	21.171	240	2167	0.400	ng		# 0.00
35) Perylene-d12	23.366	264	2036	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	4755	1.623	ng		0.00
5) Phenol-d6	6.759	99	5480	1.774	ng		0.00
8) Nitrobenzene-d5	8.728	82	5073	1.782	ng		0.00
11) 2-Methylnaphthalene-d10	11.950	152	6642	1.718	ng		0.00
14) 2,4,6-Tribromophenol	15.718	330	1157	1.810	ng		-0.01
15) 2-Fluorobiphenyl	12.848	172	11216	1.734	ng		0.00
27) Fluoranthene-d10	19.012	212	12285	1.610	ng		0.00
31) Terphenyl-d14	19.621	244	8579	1.751	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.104	88	2620	1.601	ng		93
3) n-Nitrosodimethylamine	3.415	42	6179	1.657	ng	#	97
6) bis(2-Chloroethyl)ether	7.012	93	5181	1.873	ng		92
9) Naphthalene	10.404	128	13925	1.669	ng		96
10) Hexachlorobutadiene	10.693	225	3281	1.617	ng	#	96
12) 2-Methylnaphthalene	12.026	142	8865	1.748	ng		99
16) Acenaphthylene	13.946	152	12787	1.696	ng		99
17) Acenaphthene	14.288	154	8258	1.696	ng		99
18) Fluorene	15.282	166	10814	1.730	ng		100
20) 4,6-Dinitro-2-methylph...	15.368	198	1171	1.596	ng	#	47
21) 4-Bromophenyl-phenylether	16.177	248	3248	1.709	ng	#	85
22) Hexachlorobenzene	16.289	284	3460	1.570	ng		98
23) Atrazine	16.450	200	2809	1.657	ng		90
24) Pentachlorophenol	16.636	266	1800	1.667	ng		97
25) Phenanthrene	17.021	178	15448	1.670	ng		99
26) Anthracene	17.108	178	14243	1.682	ng		100
28) Fluoranthene	19.045	202	17611	1.626	ng		99
30) Pyrene	19.407	202	17479	1.716	ng		100
32) Benzo(a)anthracene	21.162	228	13105	1.791	ng		97
33) Chrysene	21.207	228	14835	1.627	ng		98
34) Bis(2-ethylhexyl)phtha...	21.108	149	8716	1.599	ng		99
36) Indeno(1,2,3-cd)pyrene	25.555	276	13992	1.704	ng		97
37) Benzo(b)fluoranthene	22.708	252	13177	1.769	ng	#	87
38) Benzo(k)fluoranthene	22.752	252	14311	1.675	ng	#	88
39) Benzo(a)pyrene	23.269	252	11458	1.710	ng	#	81
40) Dibenzo(a,h)anthracene	25.570	278	11091	1.793	ng	#	83
41) Benzo(g,h,i)perylene	26.219	276	12677	1.665	ng		95

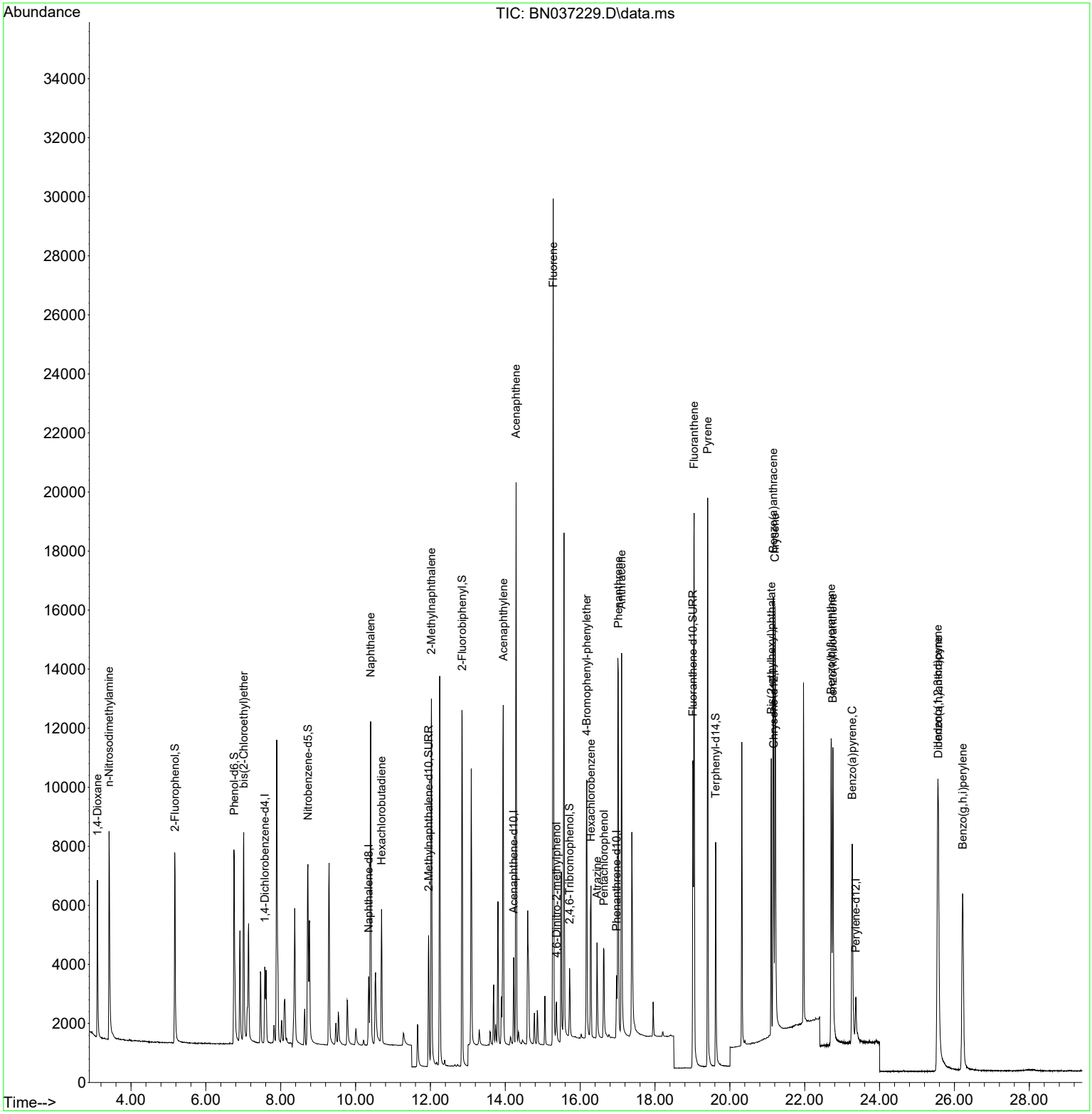
(#) = qualifier out of range (m) = manual integration (+) = signals summed

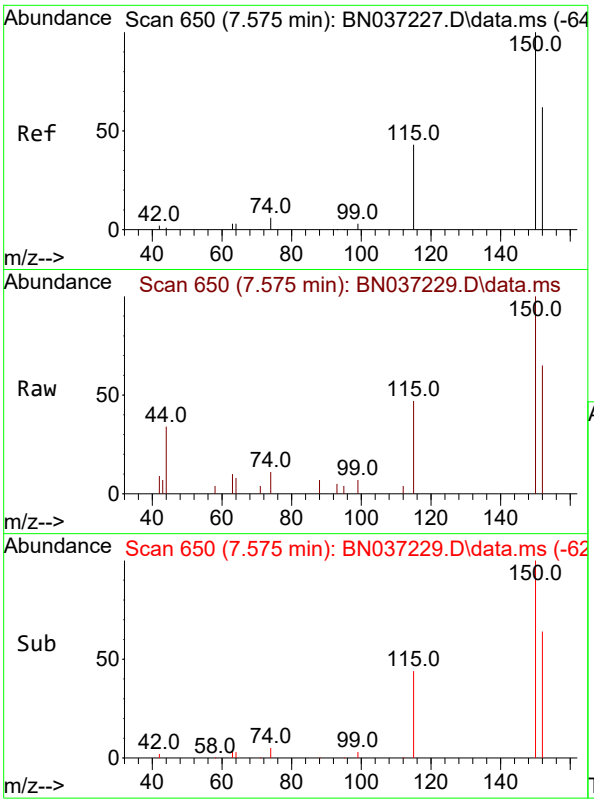
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037229.D
Acq On : 13 Jun 2025 15:59
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: Jun 13 18:38:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:34:15 2025
Response via : Initial Calibration



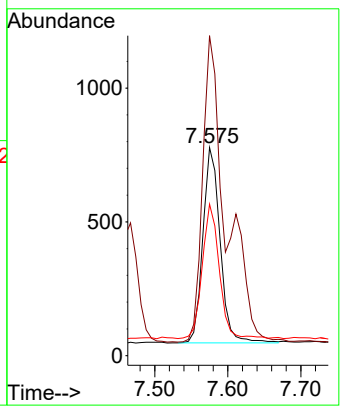


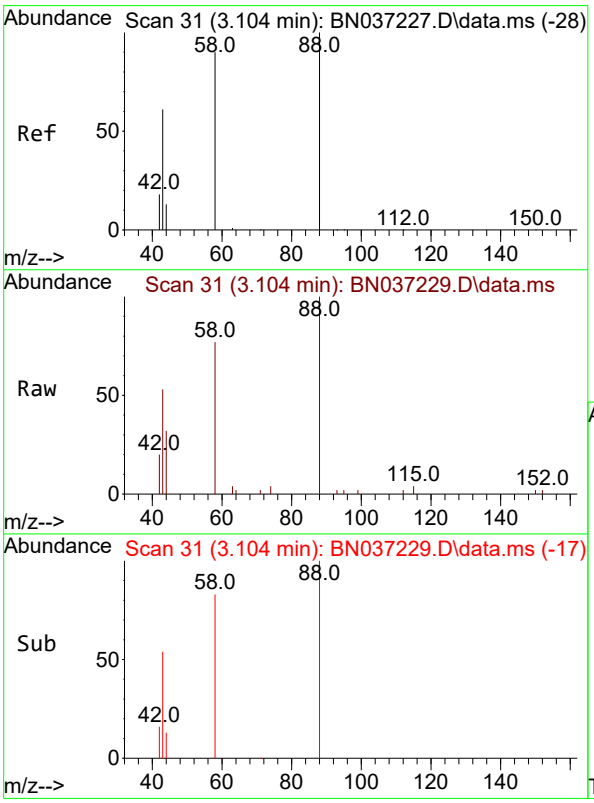
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.575 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 1193

Ion	Ratio	Lower	Upper
152	100		
150	153.7	125.2	187.8
115	72.8	58.4	87.6

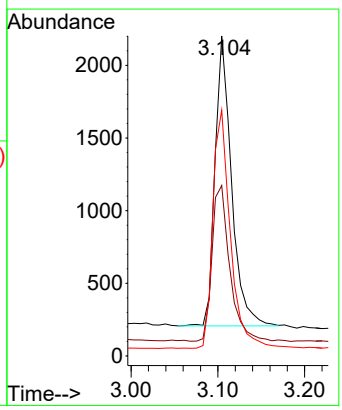


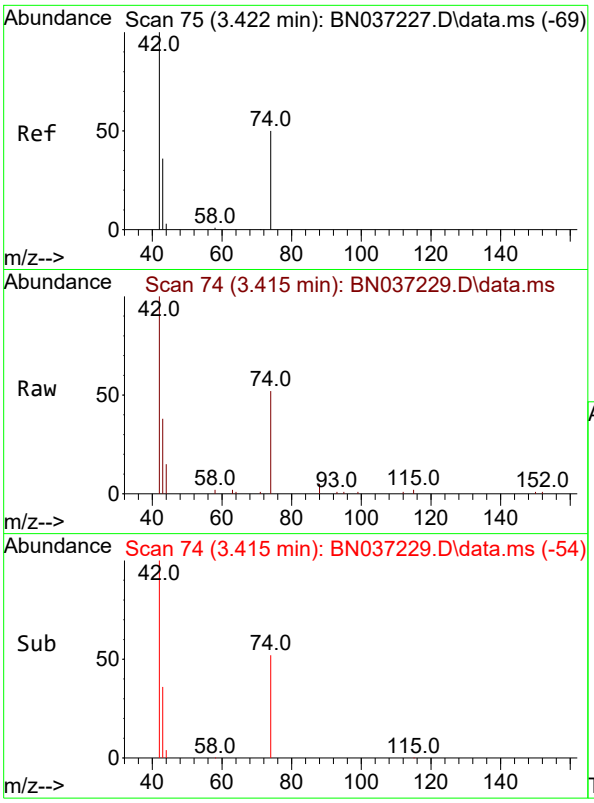


#2
1,4-Dioxane
Concen: 1.601 ng
RT: 3.104 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Tgt Ion: 88 Resp: 2620

Ion	Ratio	Lower	Upper
88	100		
43	58.5	52.6	79.0
58	87.4	73.5	110.3



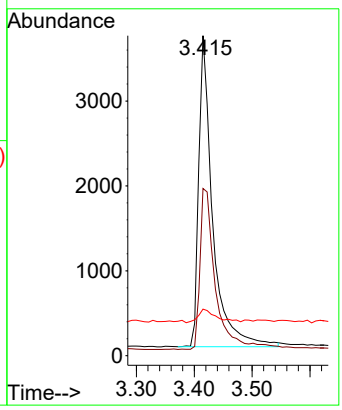


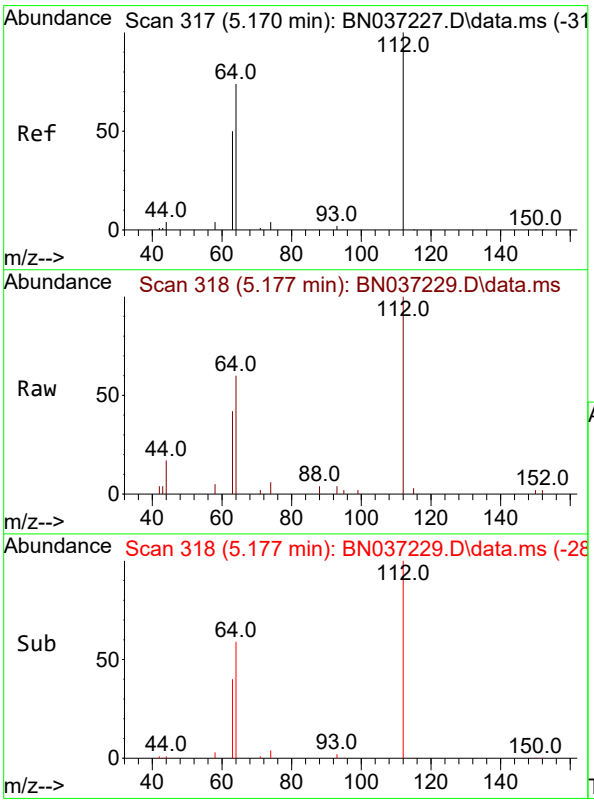
#3
n-Nitrosodimethylamine
Concen: 1.657 ng
RT: 3.415 min Scan# 74
Delta R.T. -0.007 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 42 Resp: 6179

Ion	Ratio	Lower	Upper
42	100		
74	57.5	44.6	66.8
44	5.7	3.5	5.3#

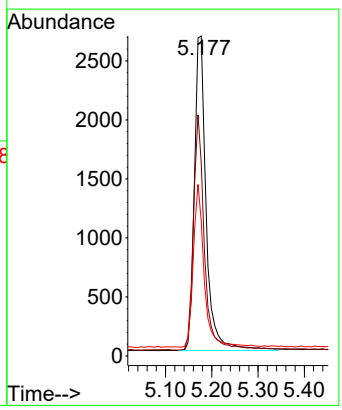


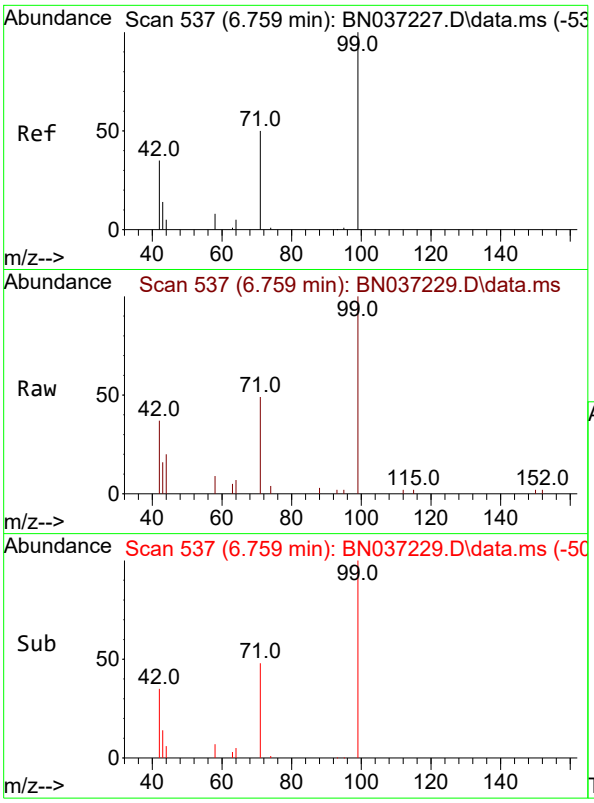


#4
2-Fluorophenol
Concen: 1.623 ng
RT: 5.177 min Scan# 318
Delta R.T. 0.007 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Tgt Ion:112 Resp: 4755

Ion	Ratio	Lower	Upper
112	100		
64	69.7	57.2	85.8
63	47.7	39.8	59.6



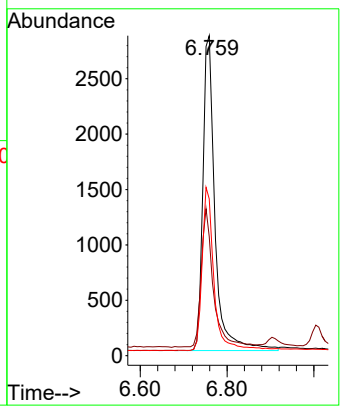


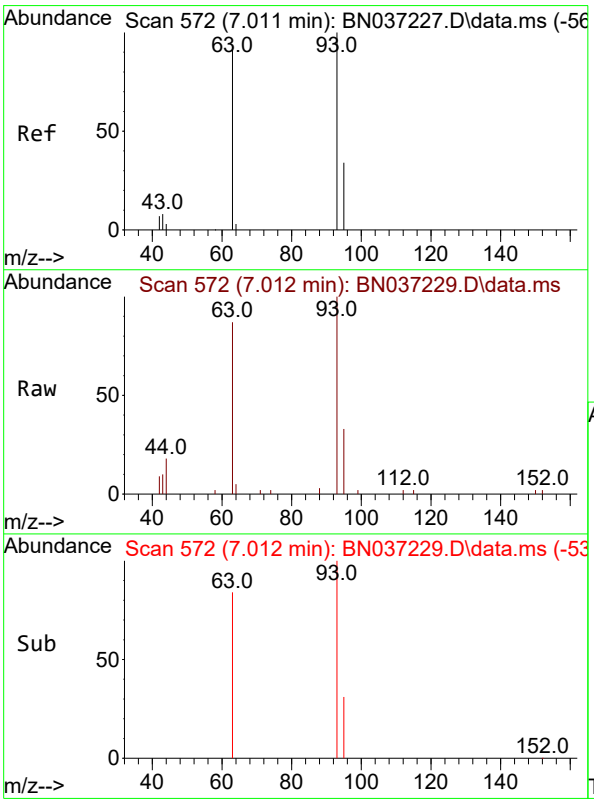
#5
Phenol-d6
Concen: 1.774 ng
RT: 6.759 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 99 Resp: 5480

Ion	Ratio	Lower	Upper
99	100		
42	44.0	36.2	54.4
71	50.7	42.4	63.6

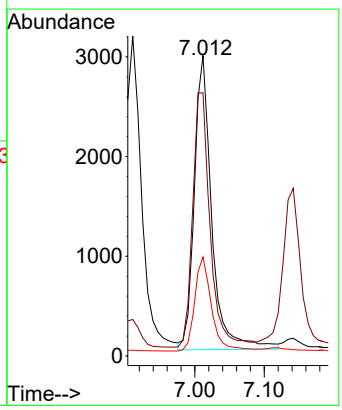


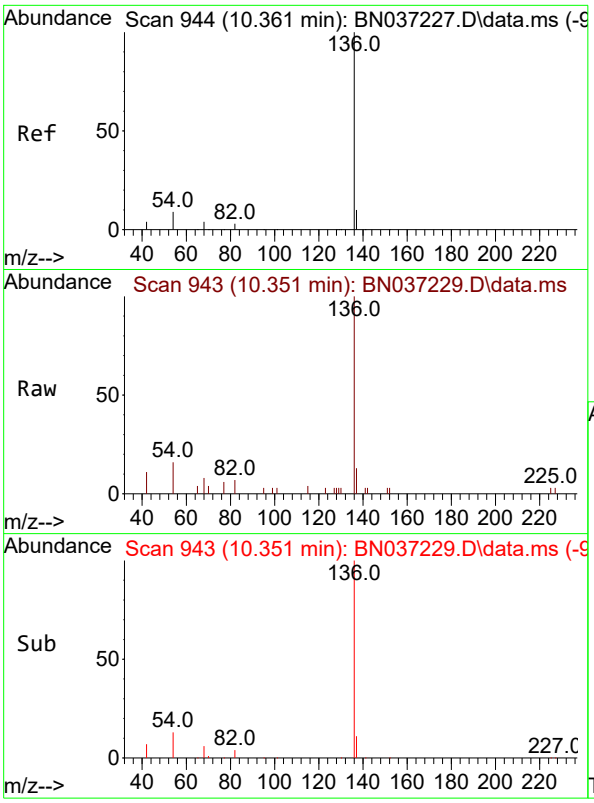


#6
bis(2-Chloroethyl)ether
Concen: 1.873 ng
RT: 7.012 min Scan# 572
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Tgt Ion: 93 Resp: 5181

Ion	Ratio	Lower	Upper
93	100		
63	86.4	75.2	112.8
95	30.5	28.3	42.5



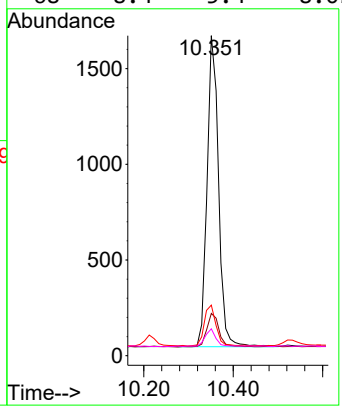


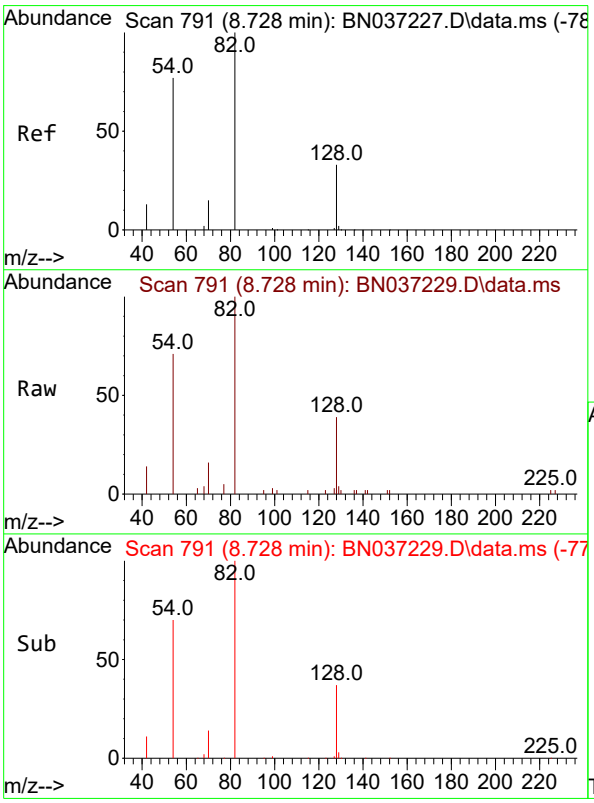
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 94
Delta R.T. -0.010 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:136 Resp: 2881

Ion	Ratio	Lower	Upper
136	100		
137	13.2	10.6	15.8
54	15.8	9.2	13.8#
68	8.4	5.4	8.0#

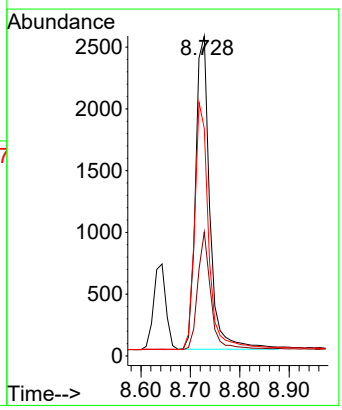


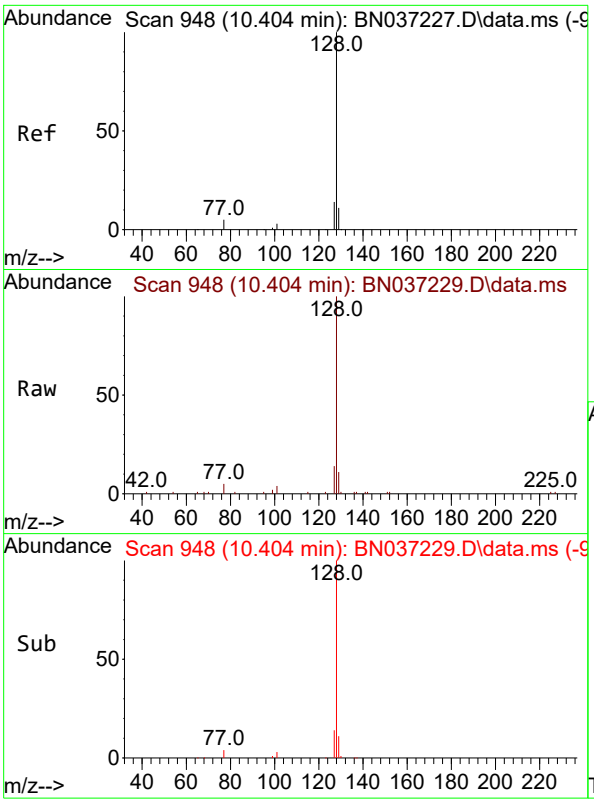


#8
Nitrobenzene-d5
Concen: 1.782 ng
RT: 8.728 min Scan# 791
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Tgt Ion: 82 Resp: 5073

Ion	Ratio	Lower	Upper
82	100		
128	38.7	31.2	46.8
54	71.1	63.3	94.9



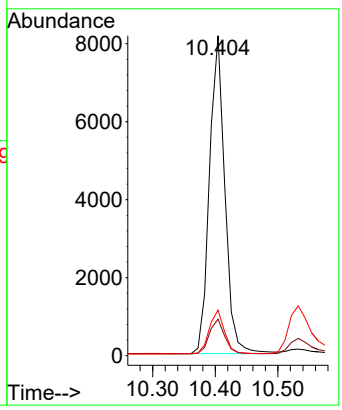


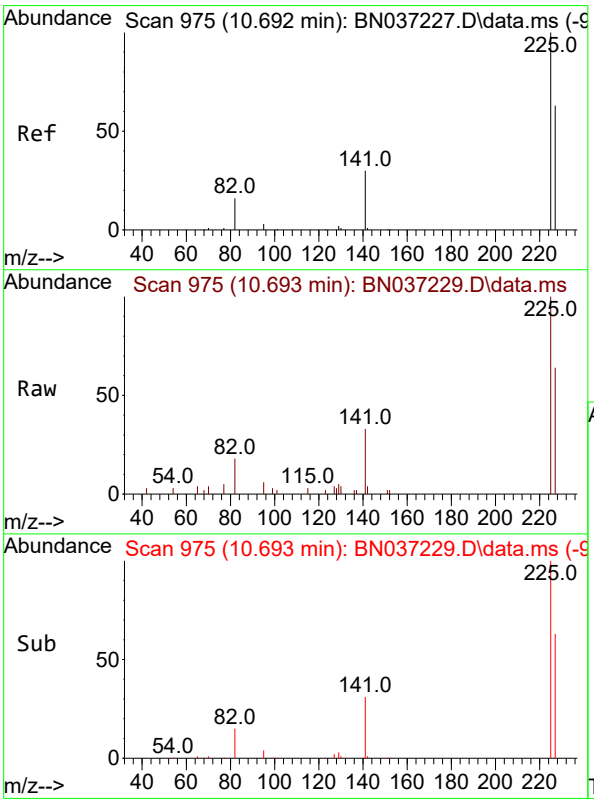
#9
Naphthalene
Concen: 1.669 ng
RT: 10.404 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:128 Resp: 13925

Ion	Ratio	Lower	Upper
128	100		
129	11.4	10.7	16.1
127	14.2	12.6	19.0

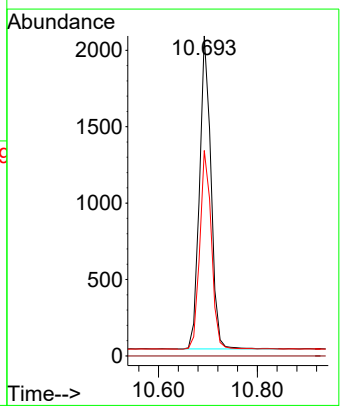


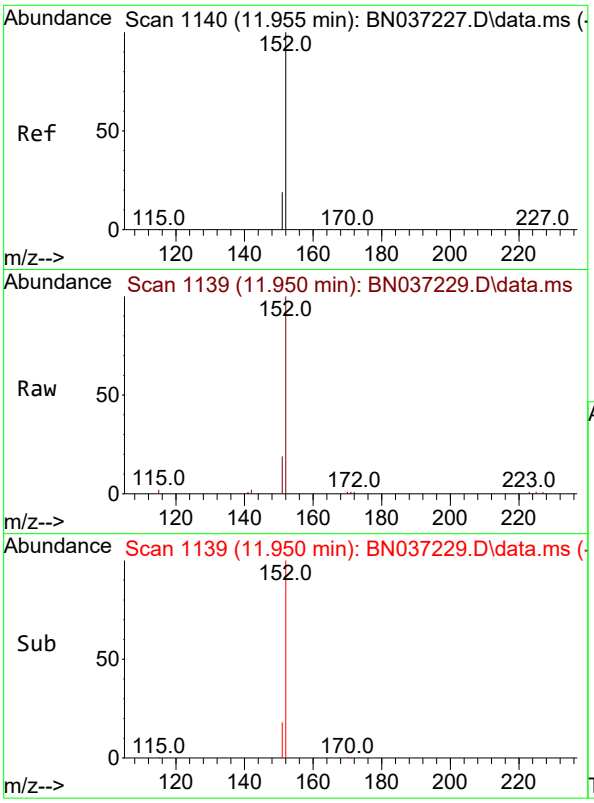


#10
Hexachlorobutadiene
Concen: 1.617 ng
RT: 10.693 min Scan# 975
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Tgt Ion:225 Resp: 3281

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	49.2	73.8



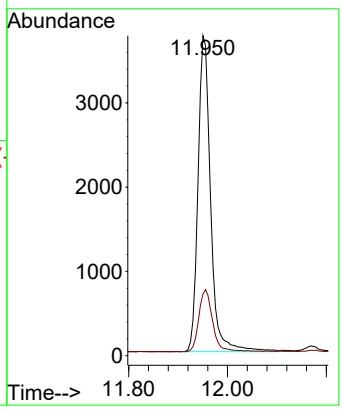


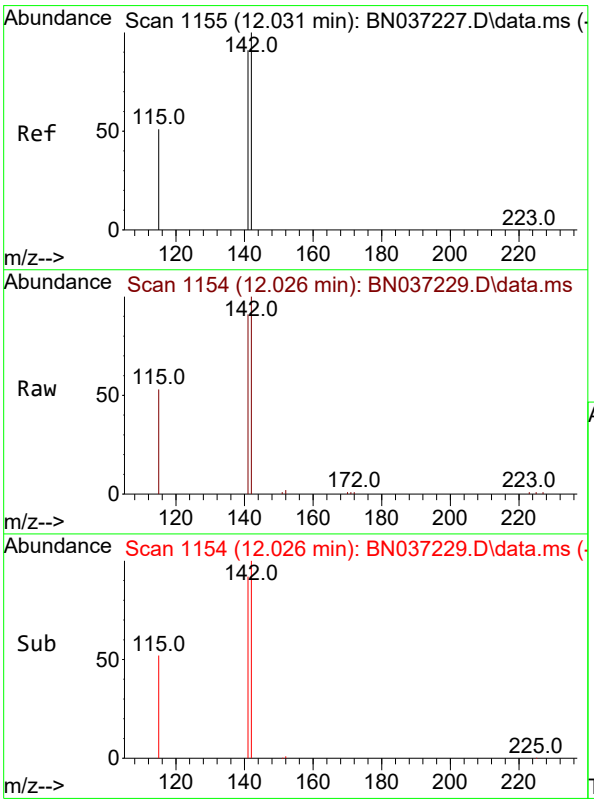
#11
2-Methylnaphthalene-d10
Concen: 1.718 ng
RT: 11.950 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 6642

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.9	26.9

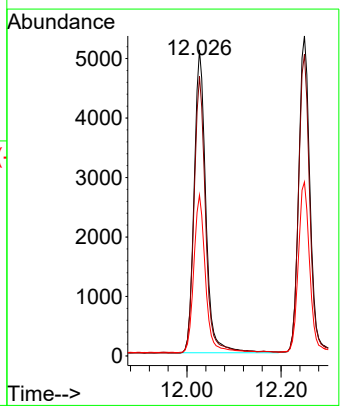


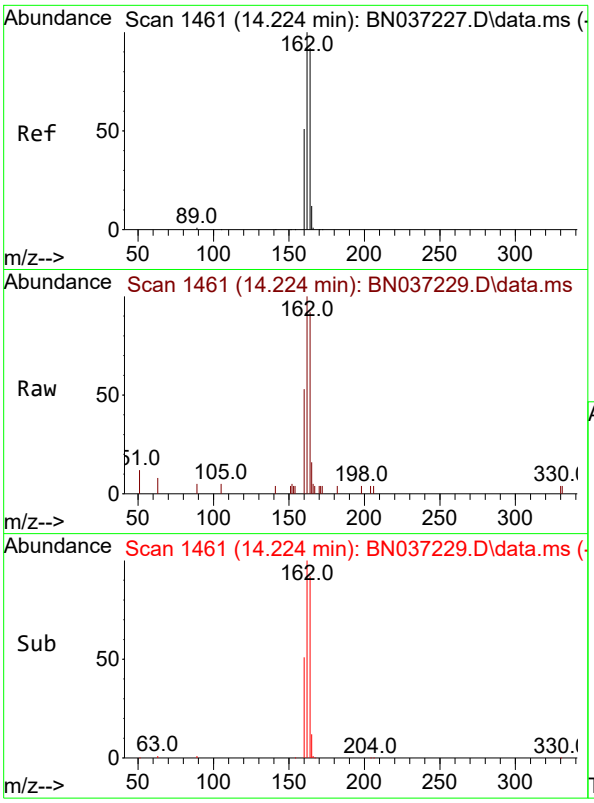


#12
2-Methylnaphthalene
Concen: 1.748 ng
RT: 12.026 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Tgt Ion:142 Resp: 8865

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.0	109.6
115	52.5	43.3	64.9



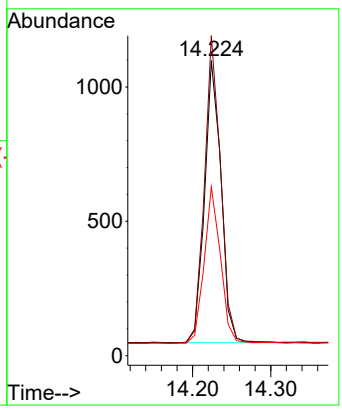


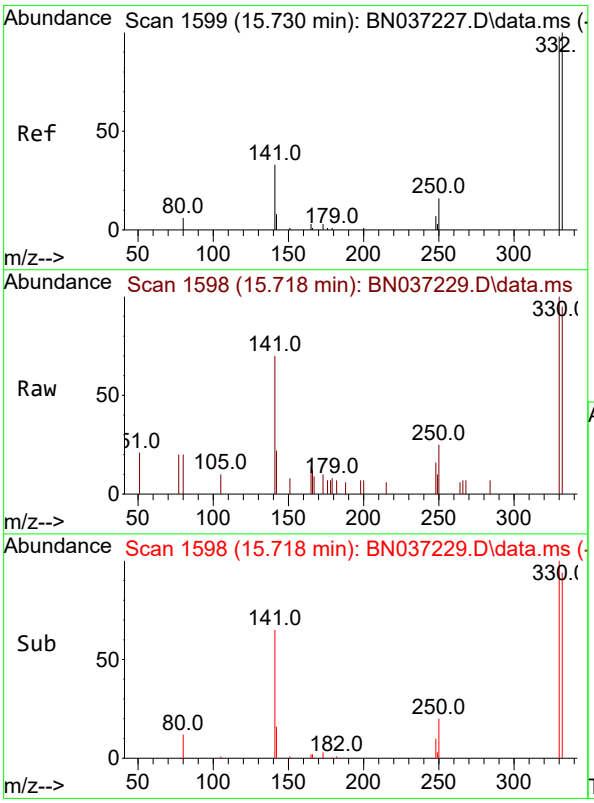
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:164 Resp: 1539

Ion	Ratio	Lower	Upper
164	100		
162	108.5	86.7	130.1
160	57.2	45.8	68.6

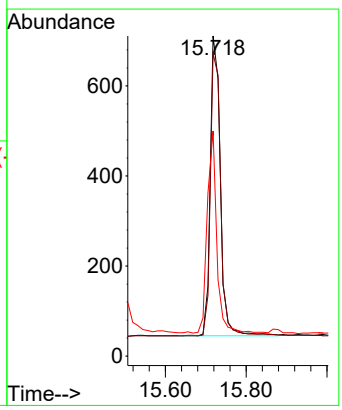


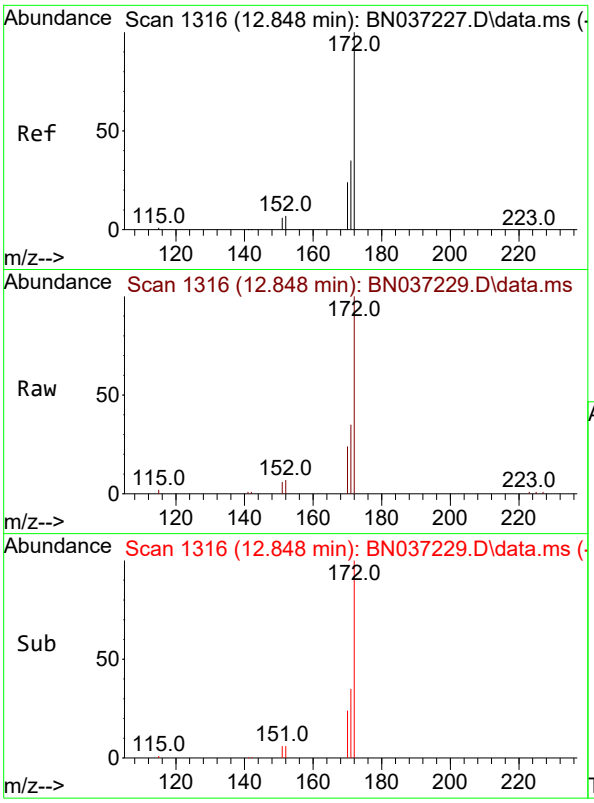


#14
2,4,6-Tribromophenol
Concen: 1.810 ng
RT: 15.718 min Scan# 1598
Delta R.T. -0.012 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Tgt Ion:330 Resp: 1157

Ion	Ratio	Lower	Upper
330	100		
332	95.2	74.9	112.3
141	63.4	45.1	67.7



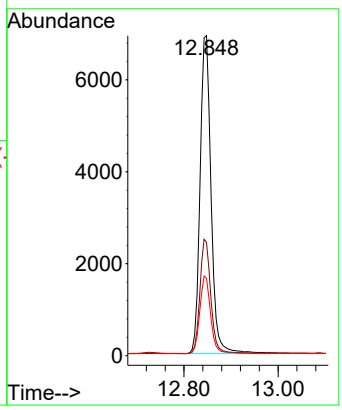


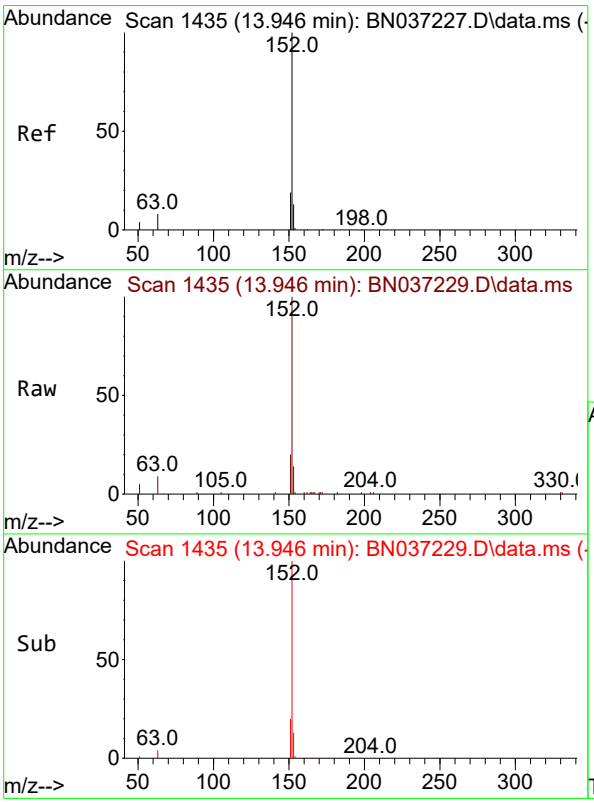
#15
2-Fluorobiphenyl
Concen: 1.734 ng
RT: 12.848 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:172 Resp: 11216

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.8	44.8
170	24.2	21.1	31.7

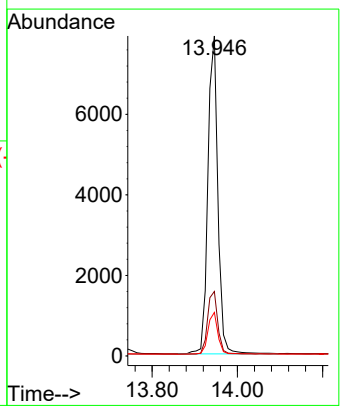


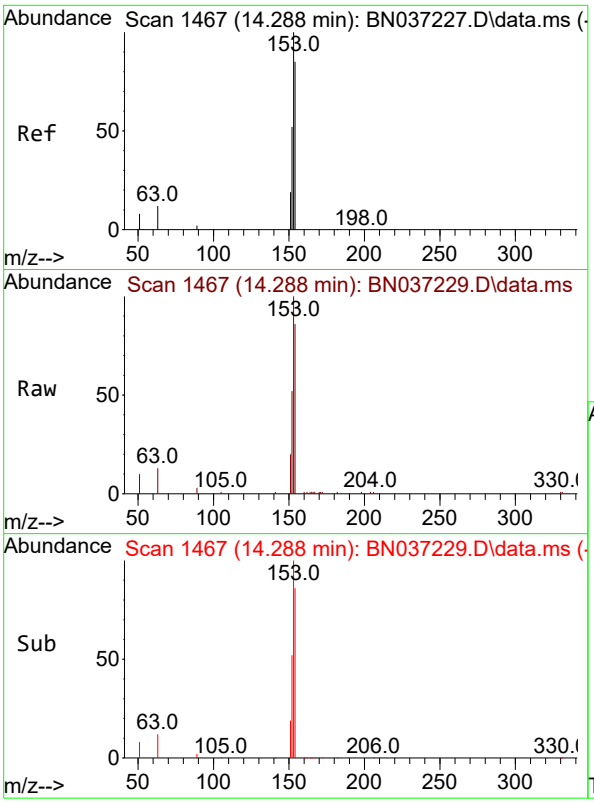


#16
Acenaphthylene
Concen: 1.696 ng
RT: 13.946 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Tgt Ion:152 Resp: 12787

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.7	23.5
153	13.1	10.7	16.1



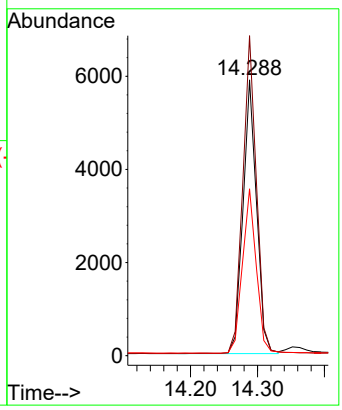


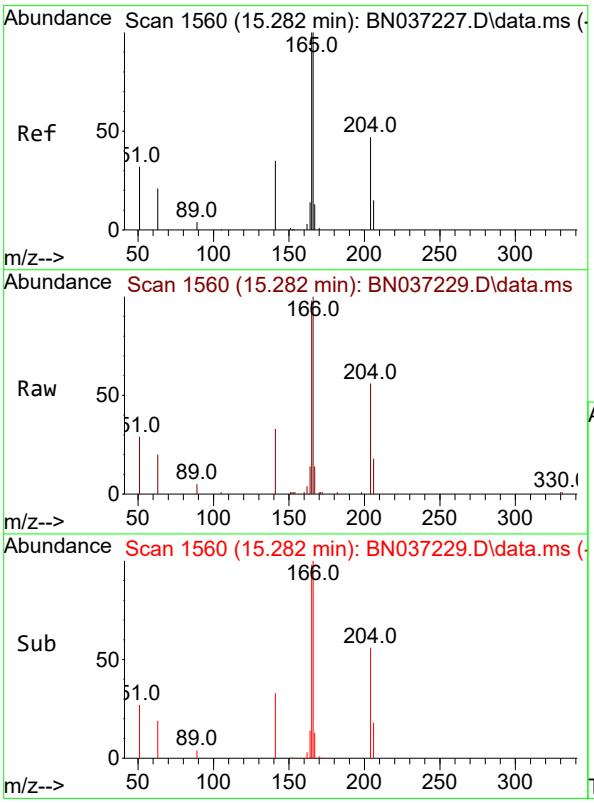
#17
Acenaphthene
Concen: 1.696 ng
RT: 14.288 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:154 Resp: 8258

Ion	Ratio	Lower	Upper
154	100		
153	117.2	94.6	141.8
152	61.4	49.6	74.4

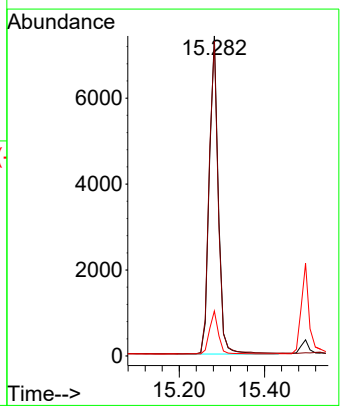


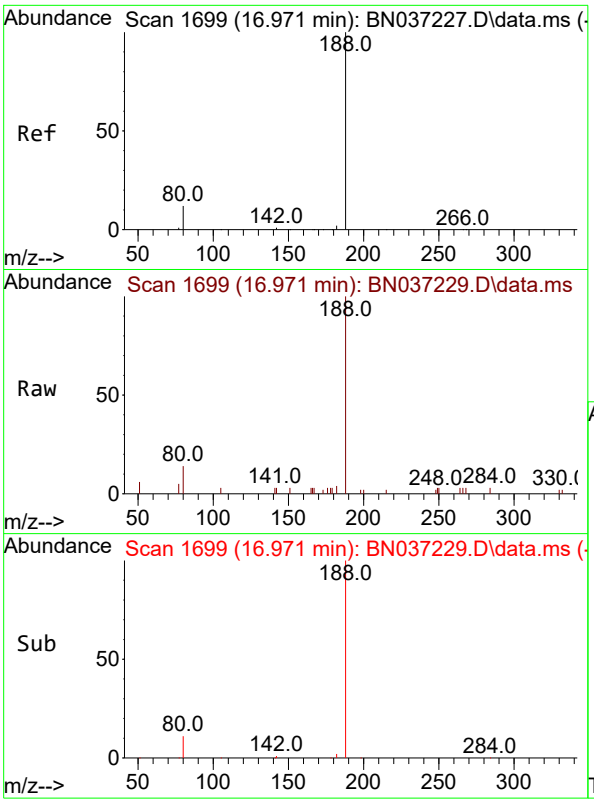


#18
Fluorene
Concen: 1.730 ng
RT: 15.282 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Tgt Ion:166 Resp: 10814

Ion	Ratio	Lower	Upper
166	100		
165	99.8	79.8	119.6
167	13.5	10.8	16.2



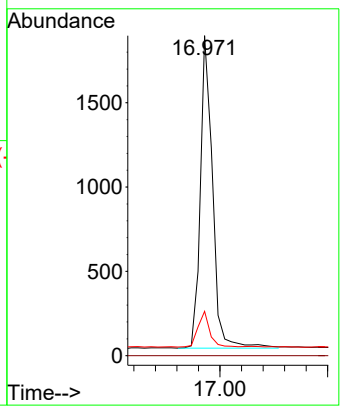


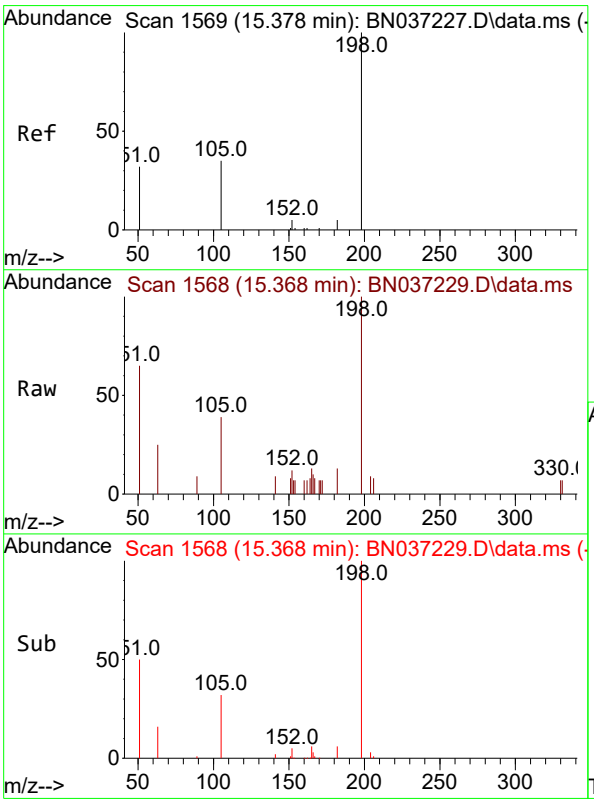
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:188 Resp: 2917

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.9	12.2	18.4

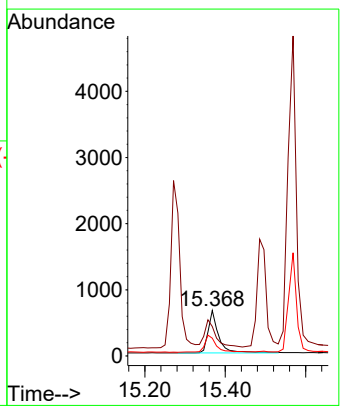


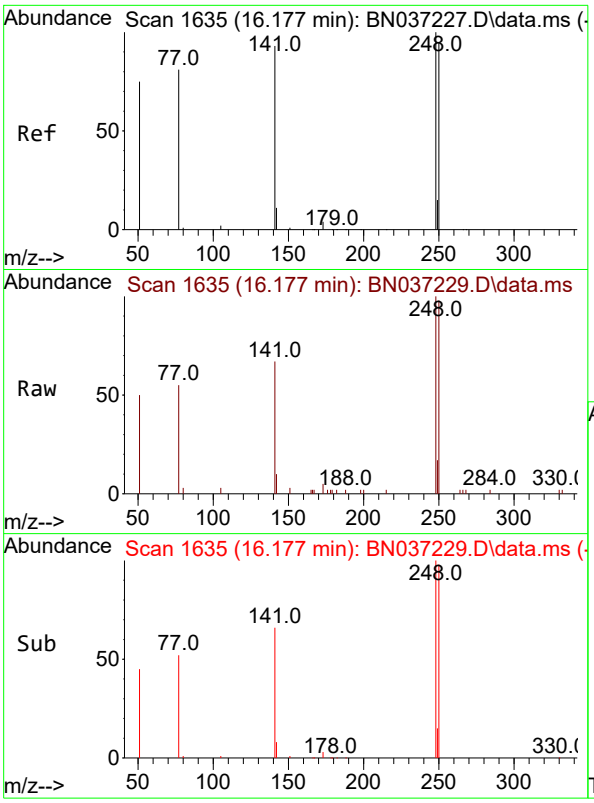


#20
4,6-Dinitro-2-methylphenol
Concen: 1.596 ng
RT: 15.368 min Scan# 1568
Delta R.T. -0.010 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Tgt Ion:198 Resp: 1171

Ion	Ratio	Lower	Upper
198	100		
51	64.8	111.2	166.8#
105	39.0	54.0	81.0#



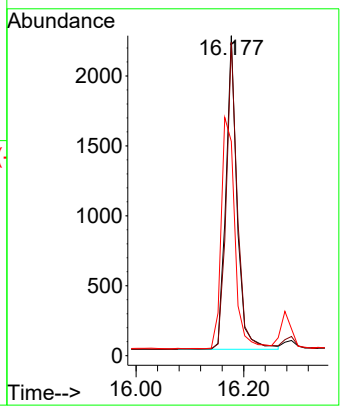


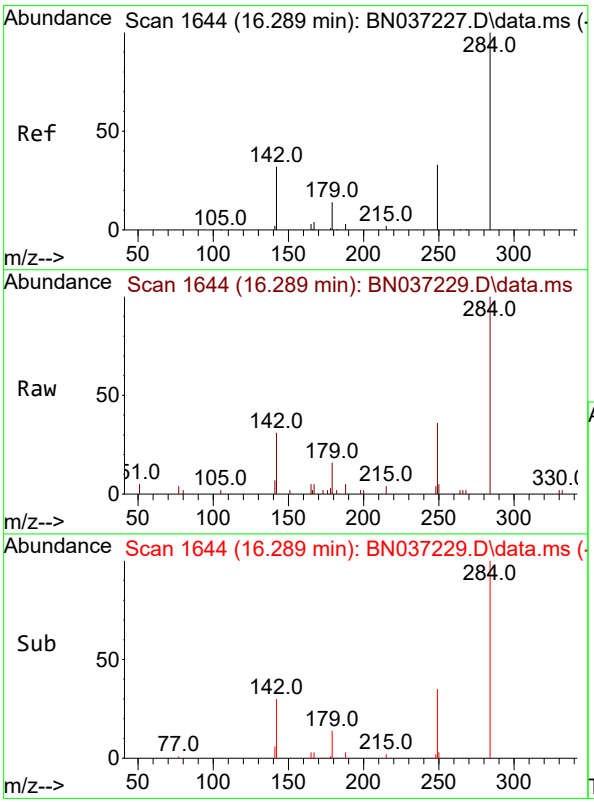
#21
4-Bromophenyl-phenylether
Concen: 1.709 ng
RT: 16.177 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:248 Resp: 3248

Ion	Ratio	Lower	Upper
248	100		
250	98.0	76.8	115.2
141	67.0	75.6	113.4#

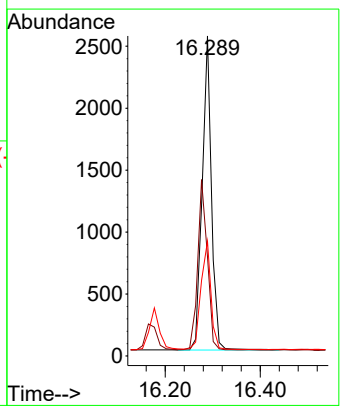


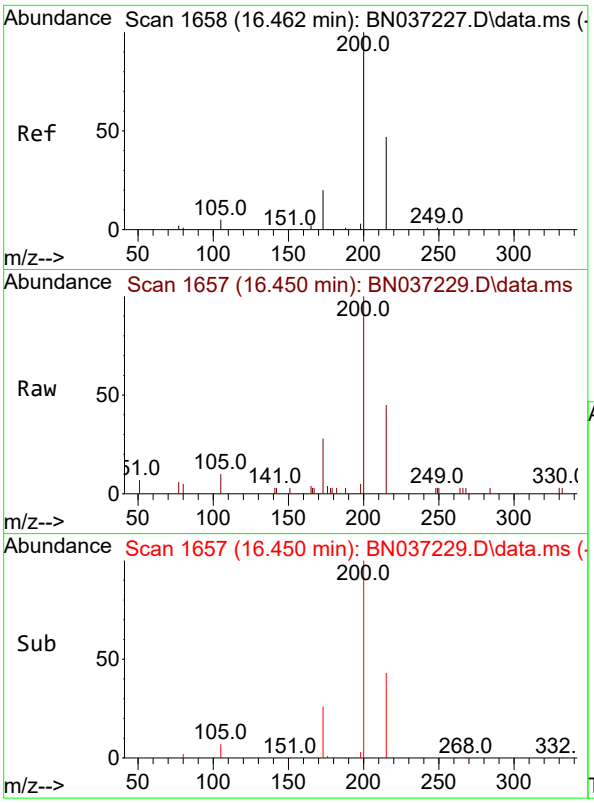


#22
Hexachlorobenzene
Concen: 1.570 ng
RT: 16.289 min Scan# 1644
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Tgt Ion:284 Resp: 3460

Ion	Ratio	Lower	Upper
284	100		
142	56.0	43.8	65.6
249	36.7	28.4	42.6



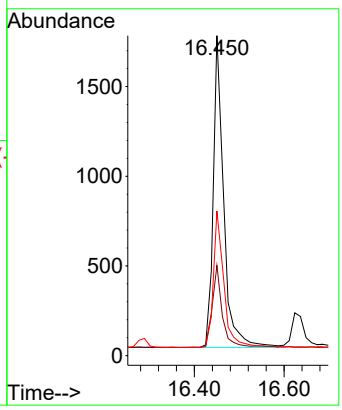


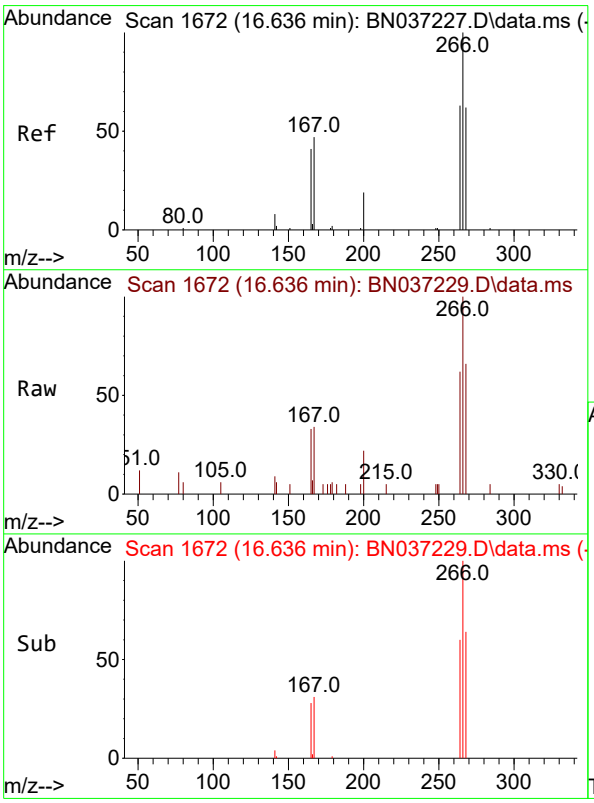
#23
Atrazine
Concen: 1.657 ng
RT: 16.450 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:200 Resp: 2809

Ion	Ratio	Lower	Upper
200	100		
173	28.2	25.1	37.7
215	45.2	43.7	65.5

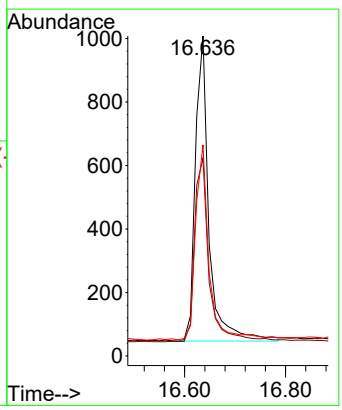


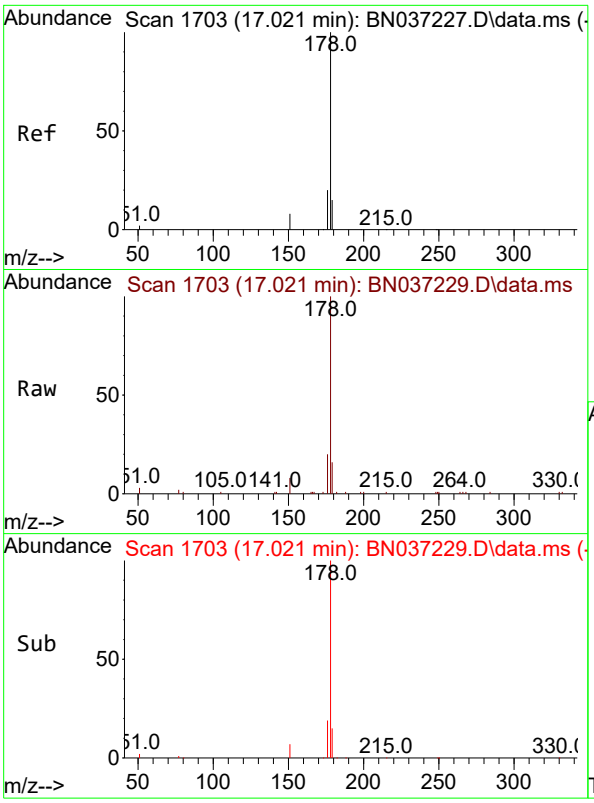


#24
Pentachlorophenol
Concen: 1.667 ng
RT: 16.636 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Tgt Ion:266 Resp: 1800

Ion	Ratio	Lower	Upper
266	100		
264	63.8	49.2	73.8
268	63.8	53.4	80.2



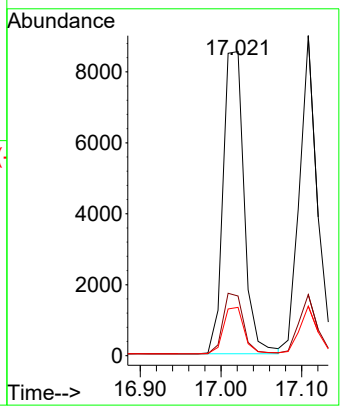


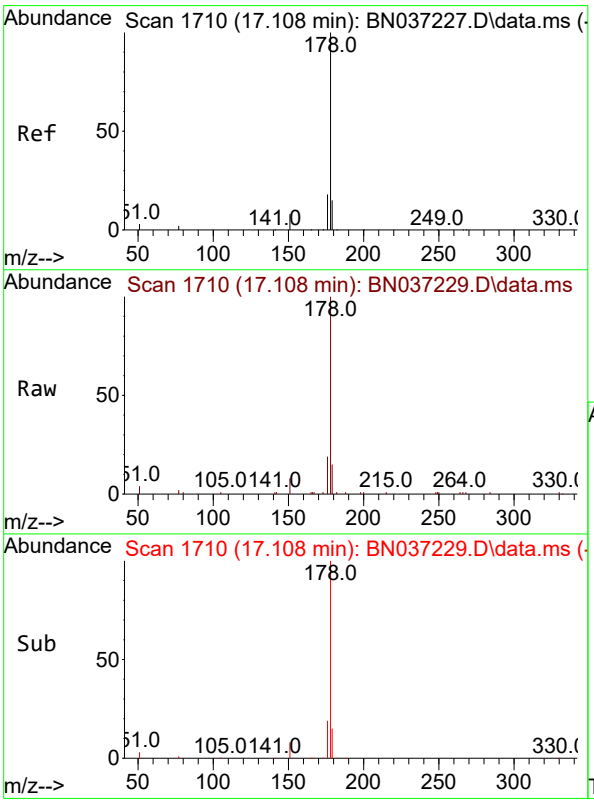
#25
Phenanthrene
Concen: 1.670 ng
RT: 17.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:178 Resp: 15448

Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.3	24.5
179	15.2	12.6	18.8

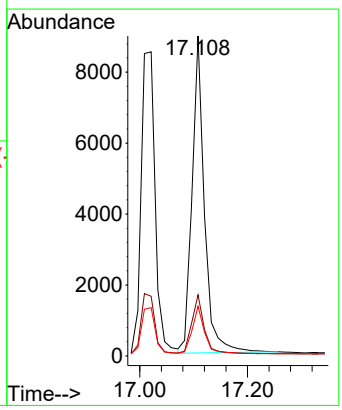


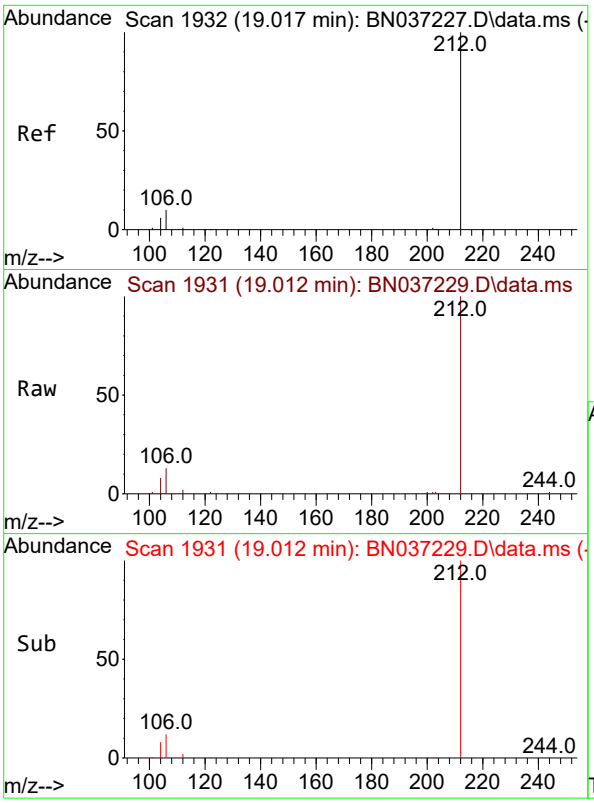


#26
Anthracene
Concen: 1.682 ng
RT: 17.108 min Scan# 1710
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Tgt Ion:178 Resp: 14243

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.2	12.4	18.6



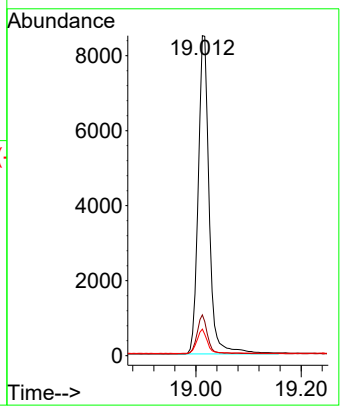


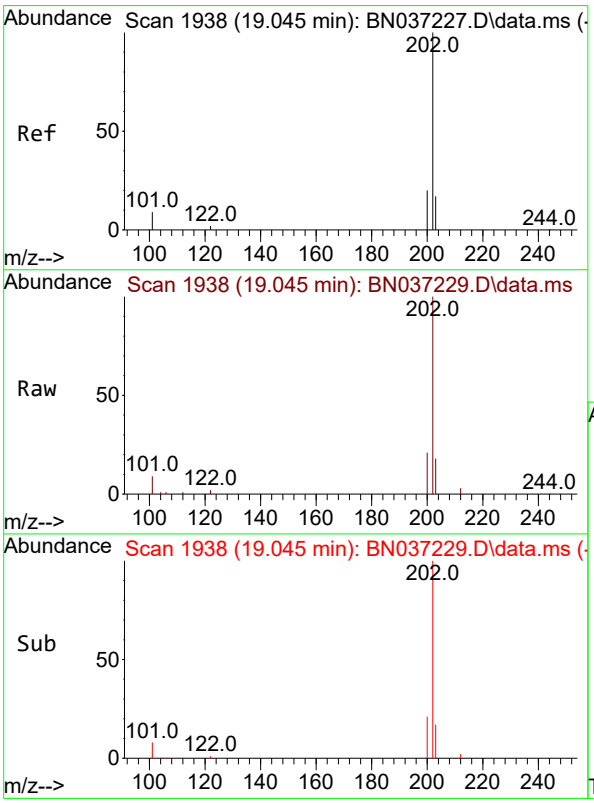
#27
Fluoranthene-d10
Concen: 1.610 ng
RT: 19.012 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:212 Resp: 12285

Ion	Ratio	Lower	Upper
212	100		
106	11.4	9.3	13.9
104	7.2	5.7	8.5

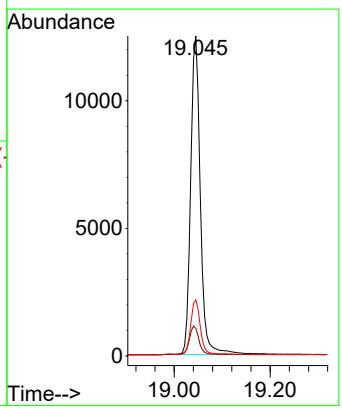


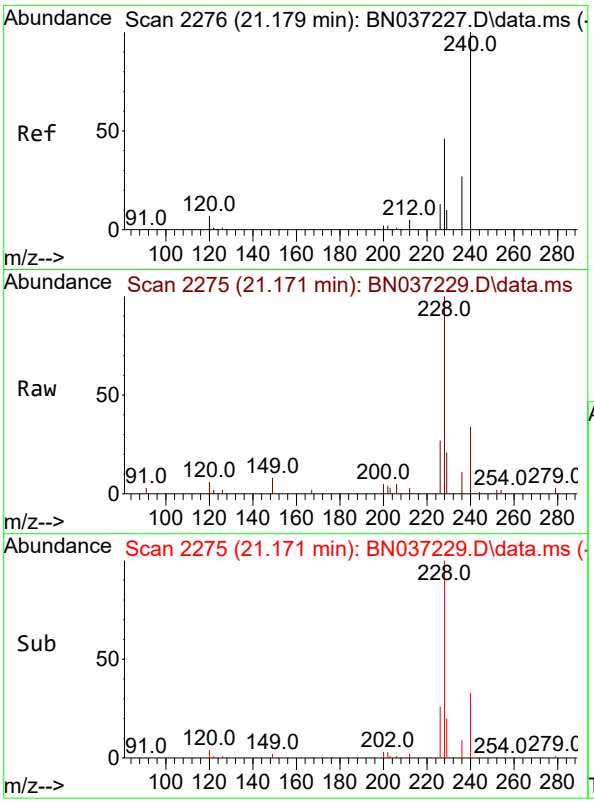


#28
Fluoranthene
Concen: 1.626 ng
RT: 19.045 min Scan# 1938
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Tgt Ion:202 Resp: 17611

Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.1	10.7
203	17.0	13.0	19.6



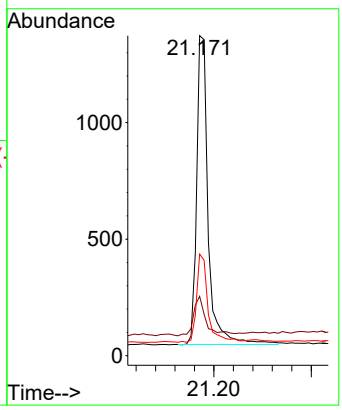


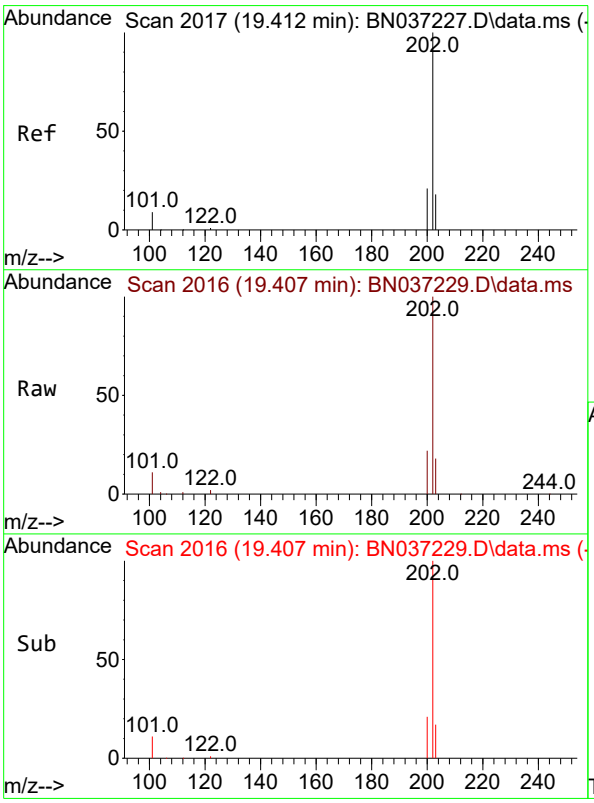
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.171 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:240 Resp: 2167

Ion	Ratio	Lower	Upper
240	100		
120	18.6	11.3	16.9#
236	31.8	24.4	36.6

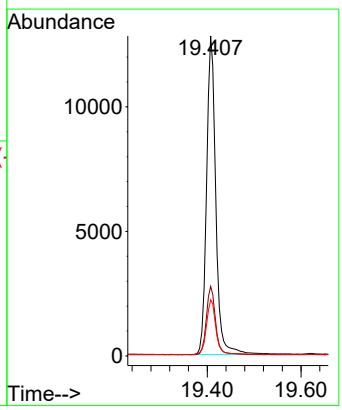


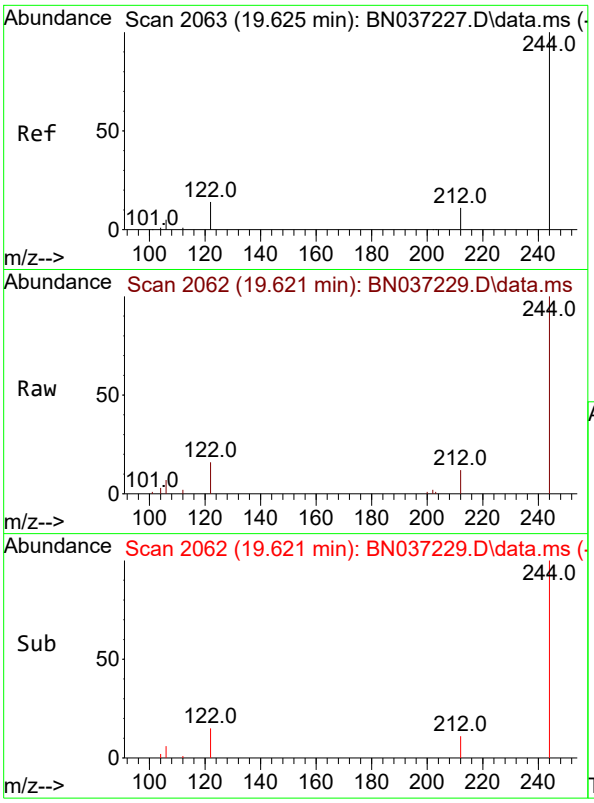


#30
Pyrene
Concen: 1.716 ng
RT: 19.407 min Scan# 2016
Delta R.T. -0.004 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Tgt Ion:202 Resp: 17479

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.2	25.8
203	17.7	14.3	21.5



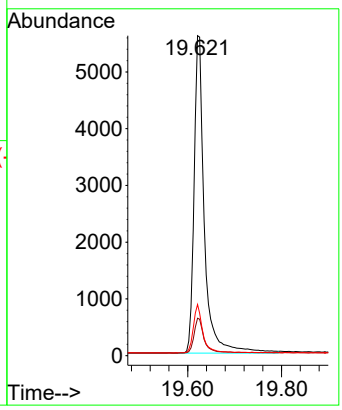


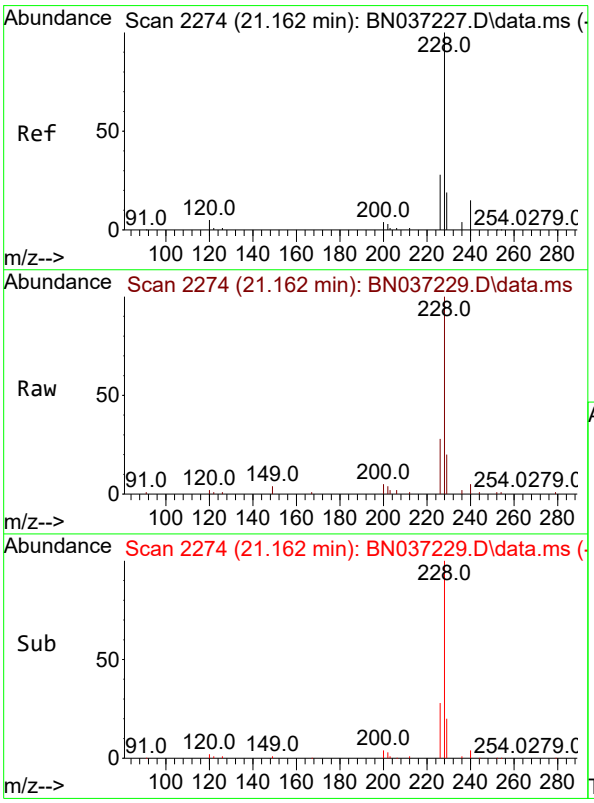
#31
Terphenyl-d14
Concen: 1.751 ng
RT: 19.621 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:244 Resp: 8579

Ion	Ratio	Lower	Upper
244	100		
212	11.7	12.2	18.2#
122	16.0	14.3	21.5

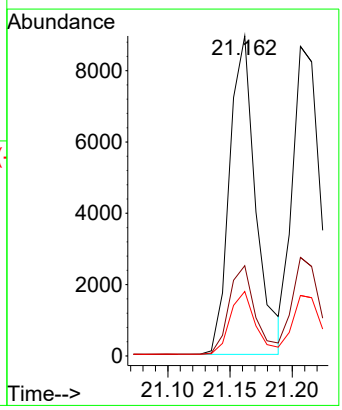


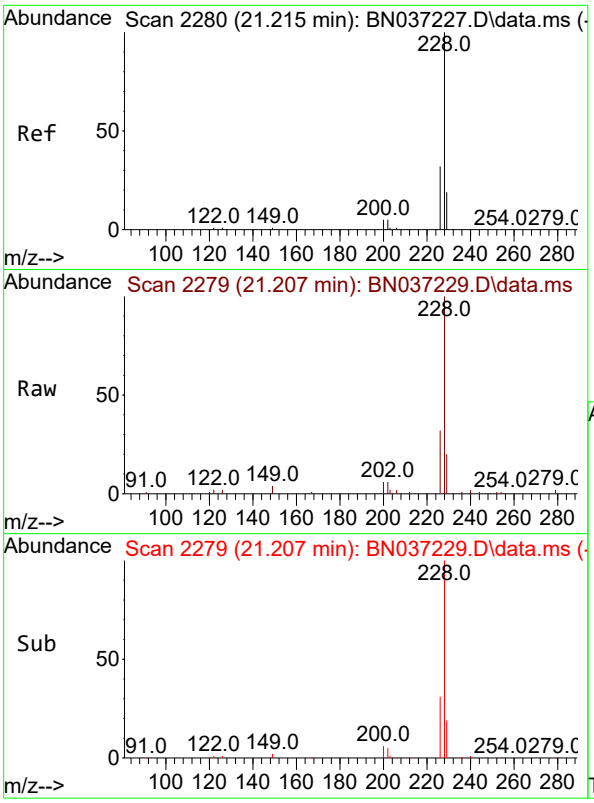


#32
Benzo(a)anthracene
Concen: 1.791 ng
RT: 21.162 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Tgt Ion:228 Resp: 13105

Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.8	35.8
229	20.1	17.0	25.4



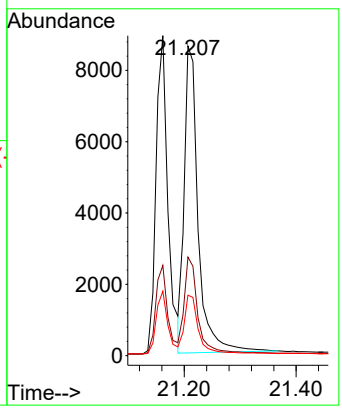


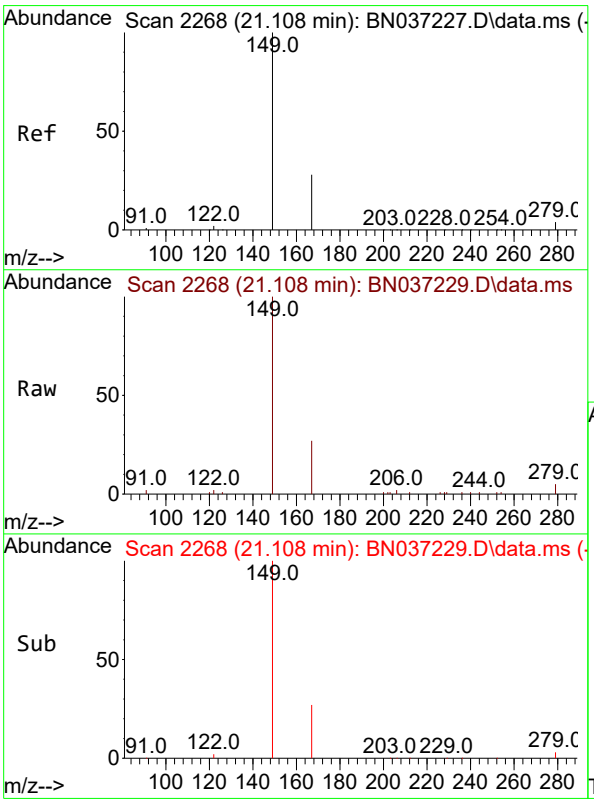
#33
Chrysene
Concen: 1.627 ng
RT: 21.207 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:228 Resp: 14835

Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.8	38.6
229	19.6	17.0	25.4

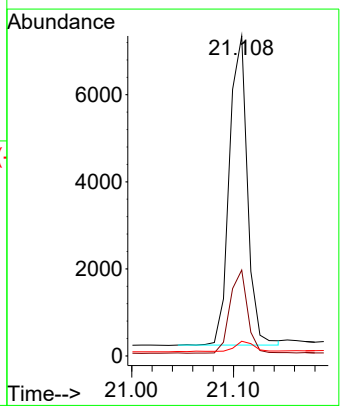


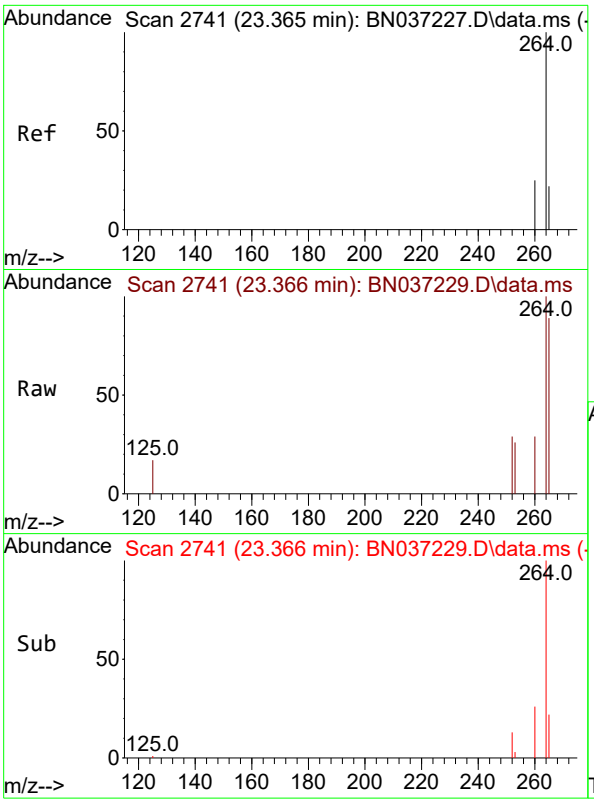


#34
Bis(2-ethylhexyl)phthalate
Concen: 1.599 ng
RT: 21.108 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Tgt Ion:149 Resp: 8716

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.3	31.9
279	3.7	3.3	4.9



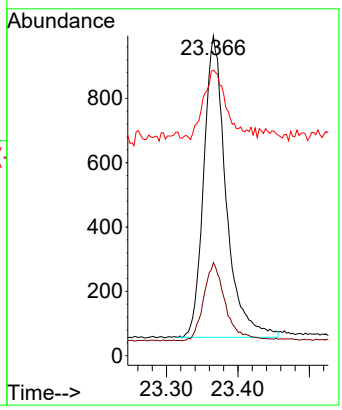


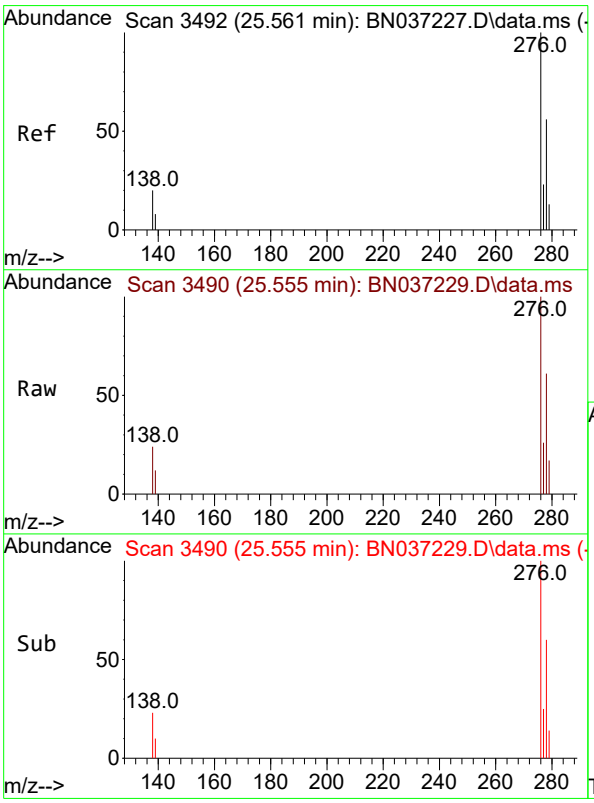
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.366 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:264 Resp: 2036

Ion	Ratio	Lower	Upper
264	100		
260	29.0	22.8	34.2
265	89.2	66.4	99.6

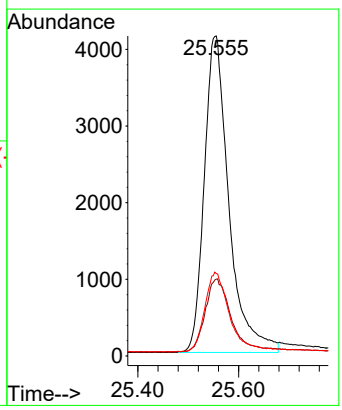


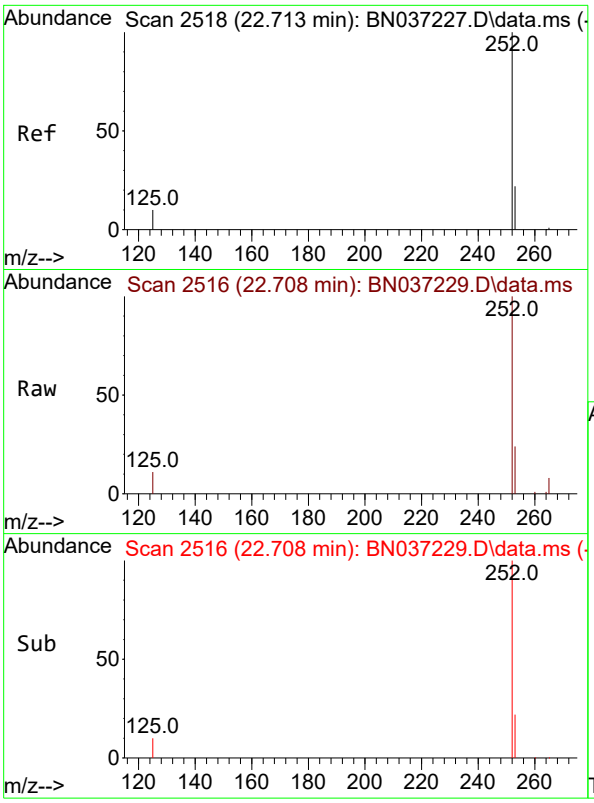


#36
Indeno(1,2,3-cd)pyrene
Concen: 1.704 ng
RT: 25.555 min Scan# 3490
Delta R.T. -0.006 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Tgt Ion:276 Resp: 13992

Ion	Ratio	Lower	Upper
276	100		
138	23.7	16.8	25.2
277	24.9	19.5	29.3



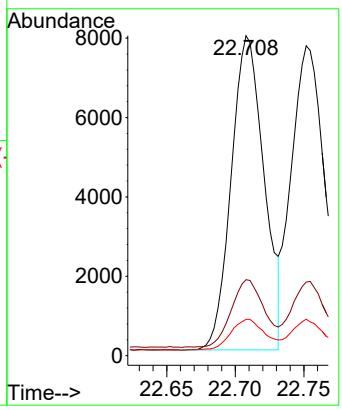


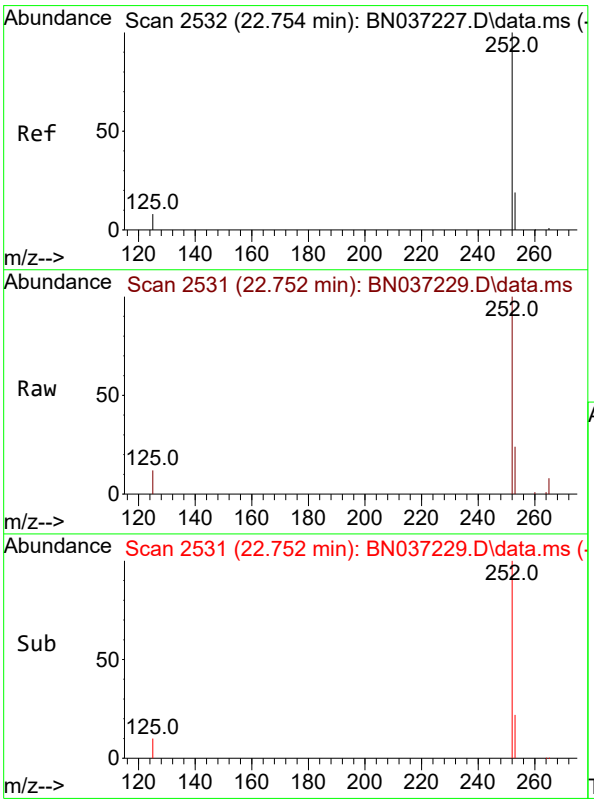
#37
Benzo(b)fluoranthene
Concen: 1.769 ng
RT: 22.708 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 13177

Ion	Ratio	Lower	Upper
252	100		
253	23.8	24.9	37.3#
125	11.4	12.9	19.3#

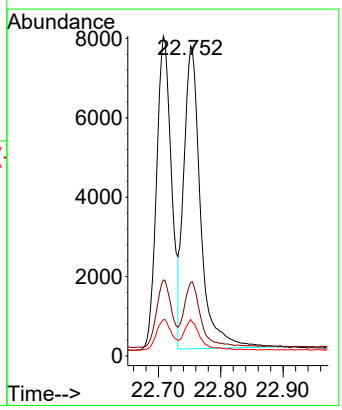


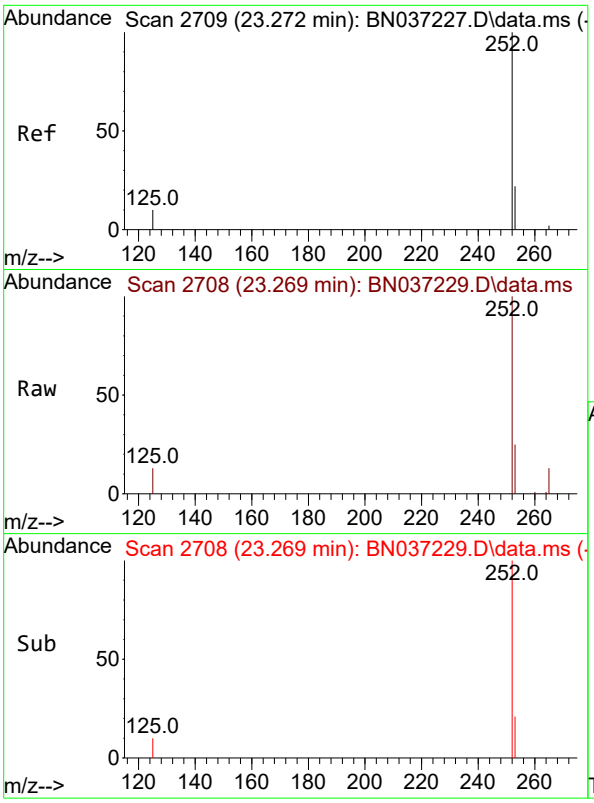


#38
Benzo(k)fluoranthene
Concen: 1.675 ng
RT: 22.752 min Scan# 2531
Delta R.T. -0.003 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Tgt Ion:252 Resp: 14311

Ion	Ratio	Lower	Upper
252	100		
253	23.8	24.6	37.0#
125	11.8	13.4	20.2#



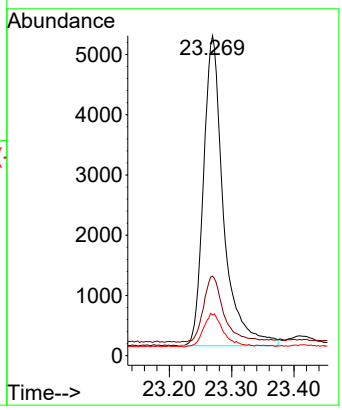


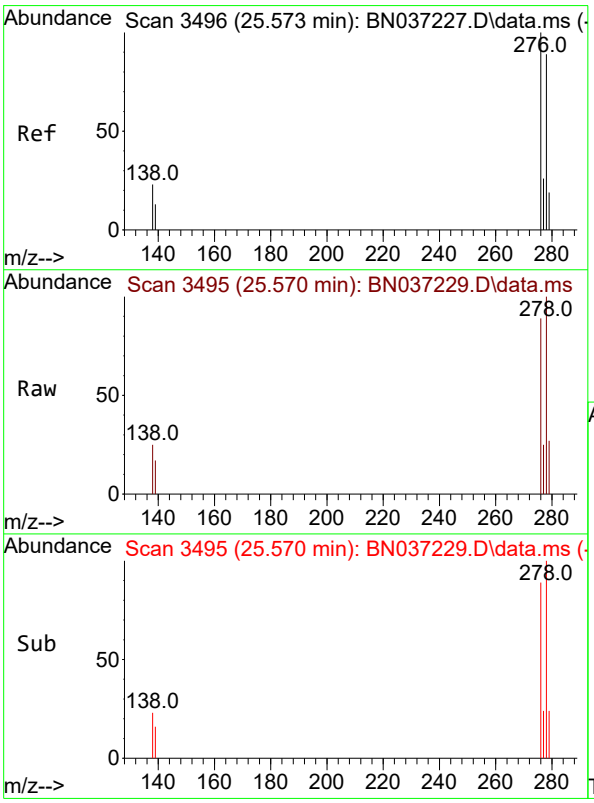
#39
Benzo(a)pyrene
Concen: 1.710 ng
RT: 23.269 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 11458

Ion	Ratio	Lower	Upper
252	100		
253	24.9	29.4	44.2#
125	12.7	16.2	24.2#

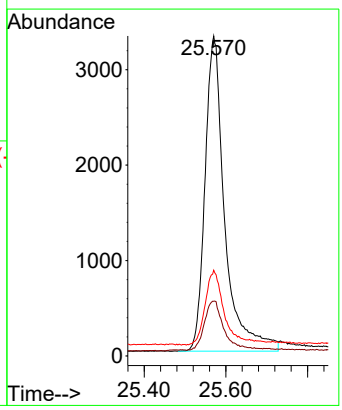


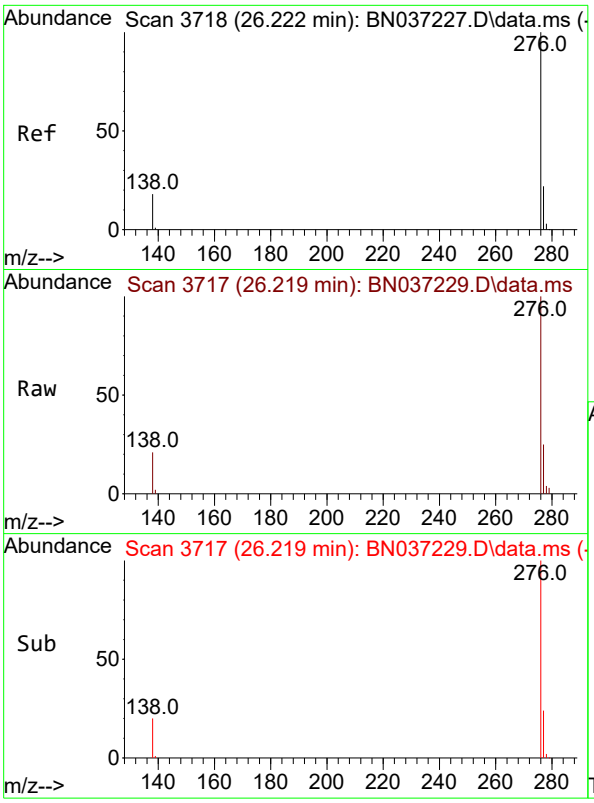


#40
Dibenzo(a,h)anthracene
Concen: 1.793 ng
RT: 25.570 min Scan# 3495
Delta R.T. -0.003 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Tgt Ion:278 Resp: 11091

Ion	Ratio	Lower	Upper
278	100		
139	17.1	17.8	26.6#
279	26.8	31.3	46.9#



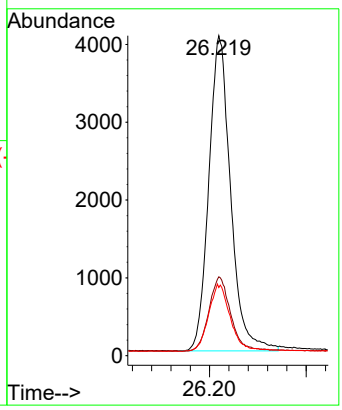


#41
Benzo(g,h,i)perylene
Concen: 1.665 ng
RT: 26.219 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037229.D
Acq: 13 Jun 2025 15:59

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 12677

Ion	Ratio	Lower	Upper
276	100		
277	24.7	22.0	33.0
138	21.3	18.4	27.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037230.D
Acq On : 13 Jun 2025 16:35
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Jun 13 18:38:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:34:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.575	152	1362	0.400	ng		0.00
7) Naphthalene-d8	10.351	136	3277	0.400	ng		#-0.01
13) Acenaphthene-d10	14.224	164	1730	0.400	ng		0.00
19) Phenanthrene-d10	16.971	188	3218	0.400	ng		0.00
29) Chrysene-d12	21.171	240	2562	0.400	ng		# 0.00
35) Perylene-d12	23.366	264	2434	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.170	112	10792	3.226	ng		0.00
5) Phenol-d6	6.752	99	12700	3.602	ng		0.00
8) Nitrobenzene-d5	8.717	82	11592	3.579	ng		-0.01
11) 2-Methylnaphthalene-d10	11.950	152	14468	3.290	ng		0.00
14) 2,4,6-Tribromophenol	15.718	330	2530	3.521	ng		-0.01
15) 2-Fluorobiphenyl	12.843	172	24600	3.384	ng		0.00
27) Fluoranthene-d10	19.012	212	26844	3.188	ng		0.00
31) Terphenyl-d14	19.621	244	19247	3.323	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.104	88	5606	3.000	ng		94
3) n-Nitrosodimethylamine	3.415	42	13425	3.153	ng		97
6) bis(2-Chloroethyl)ether	7.012	93	11592	3.671	ng		94
9) Naphthalene	10.404	128	30442	3.208	ng		95
10) Hexachlorobutadiene	10.693	225	6997	3.031	ng	#	98
12) 2-Methylnaphthalene	12.026	142	19566	3.392	ng		98
16) Acenaphthylene	13.946	152	28536	3.366	ng		99
17) Acenaphthene	14.288	154	18242	3.334	ng		98
18) Fluorene	15.282	166	23723	3.375	ng		100
20) 4,6-Dinitro-2-methylph...	15.368	198	2836	3.223	ng	#	37
21) 4-Bromophenyl-phenylether	16.177	248	7106	3.389	ng	#	83
22) Hexachlorobenzene	16.289	284	7308	3.006	ng		97
23) Atrazine	16.450	200	6193	3.311	ng		88
24) Pentachlorophenol	16.636	266	4179	3.508	ng		98
25) Phenanthrene	17.021	178	34176	3.349	ng		99
26) Anthracene	17.108	178	32366	3.464	ng		99
28) Fluoranthene	19.045	202	38876	3.254	ng		98
30) Pyrene	19.407	202	38772	3.219	ng		100
32) Benzo(a)anthracene	21.162	228	30893	3.571	ng		96
33) Chrysene	21.207	228	33474	3.106	ng		97
34) Bis(2-ethylhexyl)phtha...	21.108	149	19300	2.996	ng	#	99
36) Indeno(1,2,3-cd)pyrene	25.556	276	34219	3.486	ng	#	94
37) Benzo(b)fluoranthene	22.711	252	30687	3.447	ng	#	85
38) Benzo(k)fluoranthene	22.752	252	33172	3.248	ng	#	85
39) Benzo(a)pyrene	23.269	252	26918	3.361	ng	#	79
40) Dibenzo(a,h)anthracene	25.564	278	27744	3.751	ng	#	81
41) Benzo(g,h,i)perylene	26.219	276	30489	3.350	ng		95

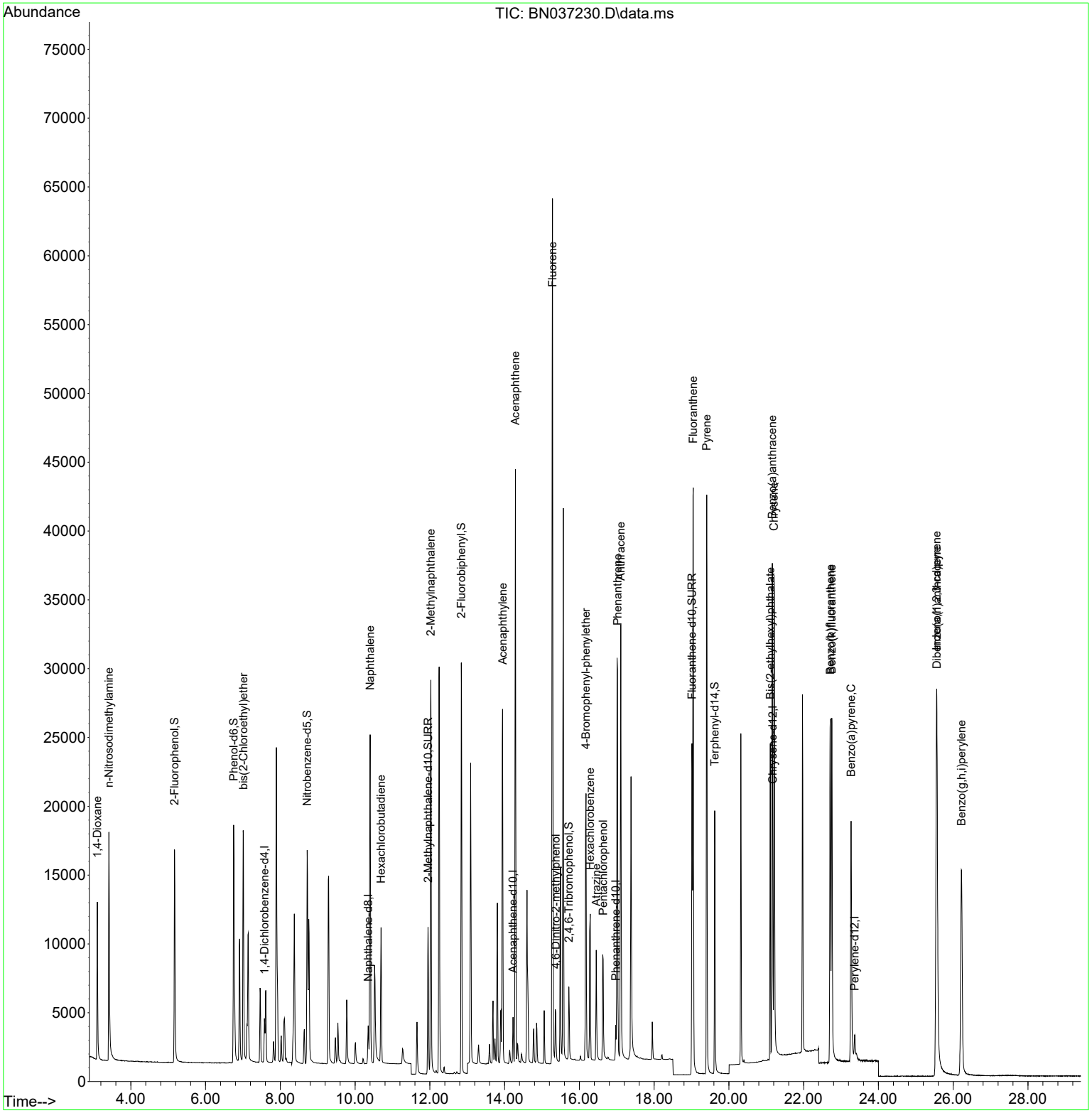
(#) = qualifier out of range (m) = manual integration (+) = signals summed

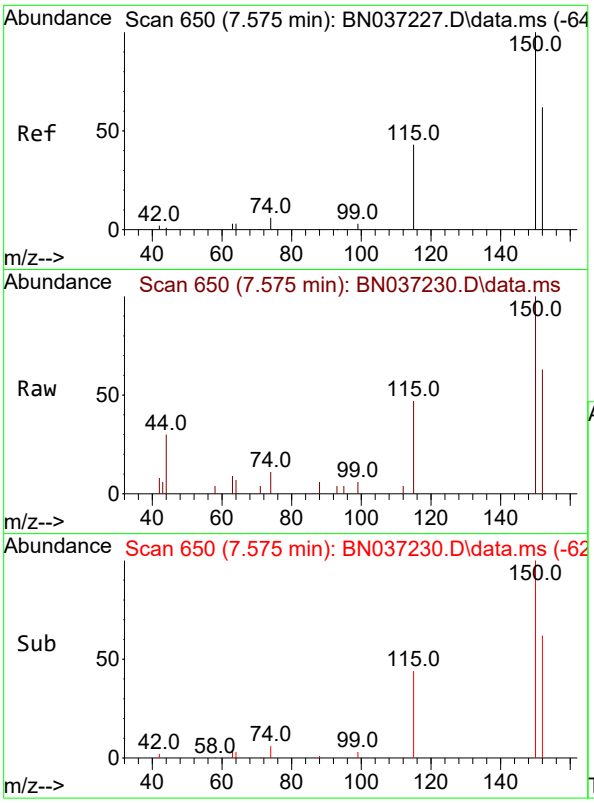
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037230.D
Acq On : 13 Jun 2025 16:35
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Jun 13 18:38:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:34:15 2025
Response via : Initial Calibration



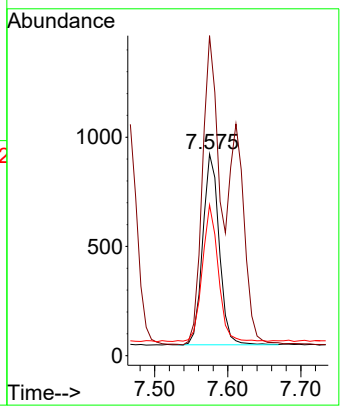


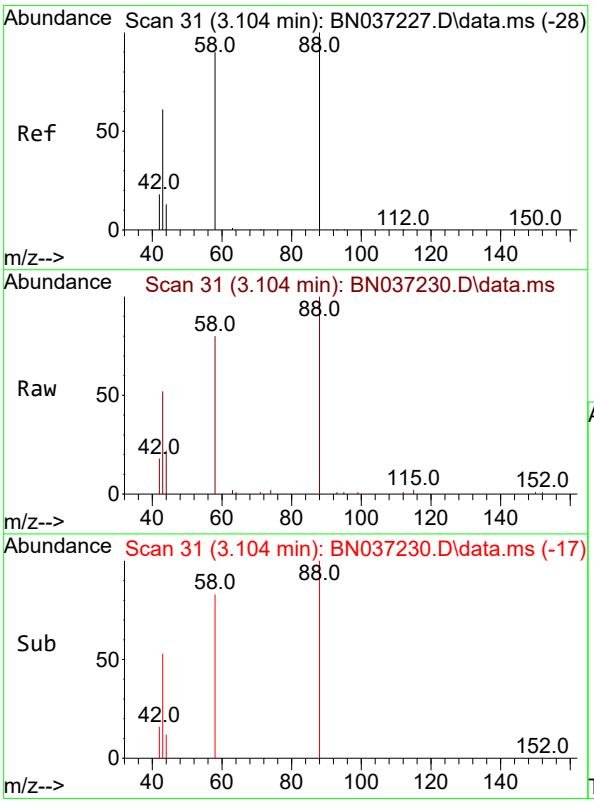
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.575 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 1362

Ion	Ratio	Lower	Upper
152	100		
150	158.7	125.2	187.8
115	74.8	58.4	87.6

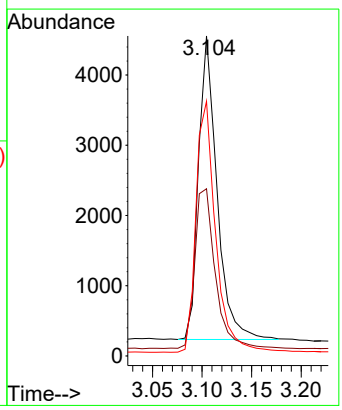


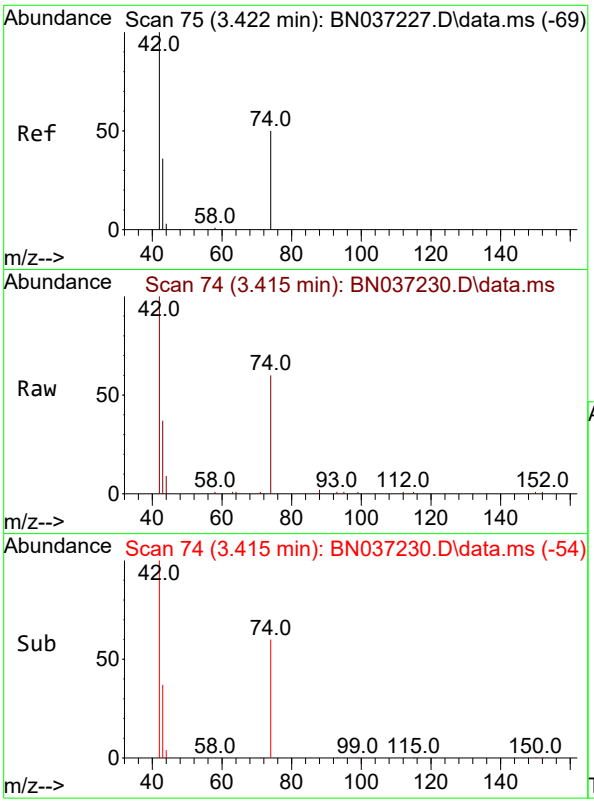


#2
1,4-Dioxane
Concen: 3.000 ng
RT: 3.104 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion: 88 Resp: 5606

Ion	Ratio	Lower	Upper
88	100		
43	58.5	52.6	79.0
58	88.1	73.5	110.3



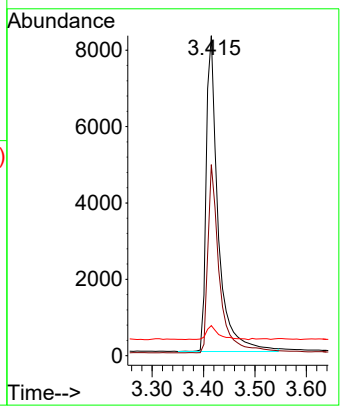


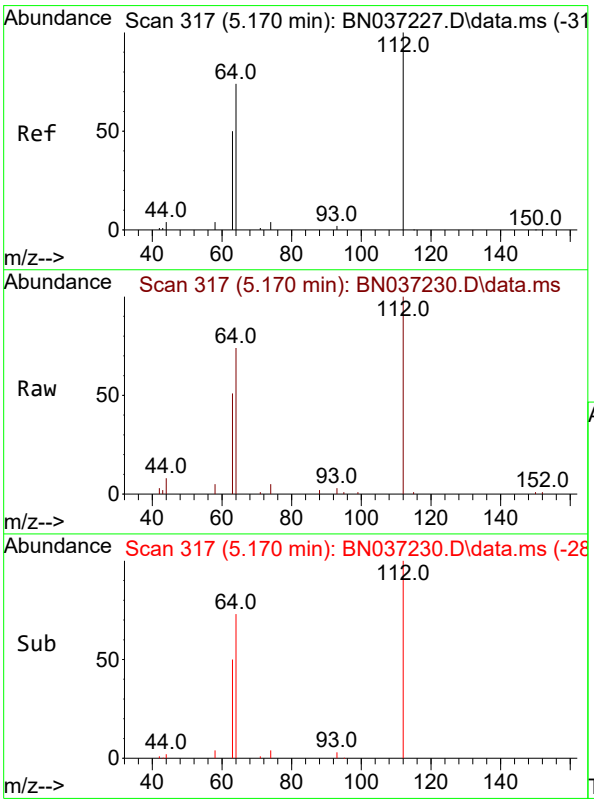
#3
n-Nitrosodimethylamine
Concen: 3.153 ng
RT: 3.415 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 13425

Ion	Ratio	Lower	Upper
42	100		
74	58.0	44.6	66.8
44	4.7	3.5	5.3

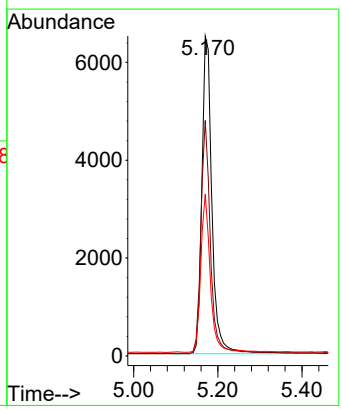


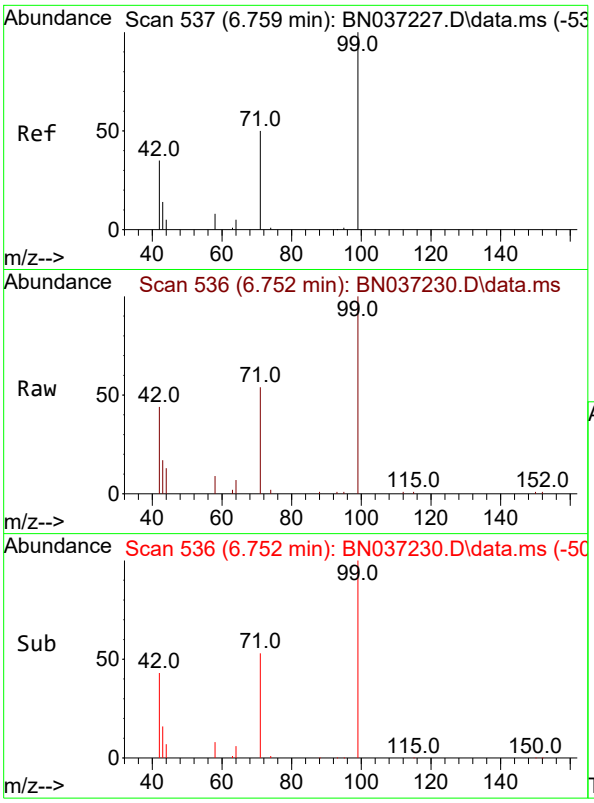


#4
2-Fluorophenol
Concen: 3.226 ng
RT: 5.170 min Scan# 317
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:112 Resp: 10792

Ion	Ratio	Lower	Upper
112	100		
64	69.7	57.2	85.8
63	47.3	39.8	59.6



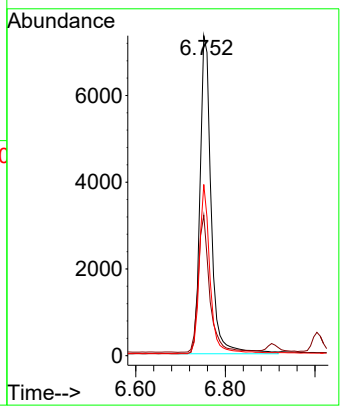


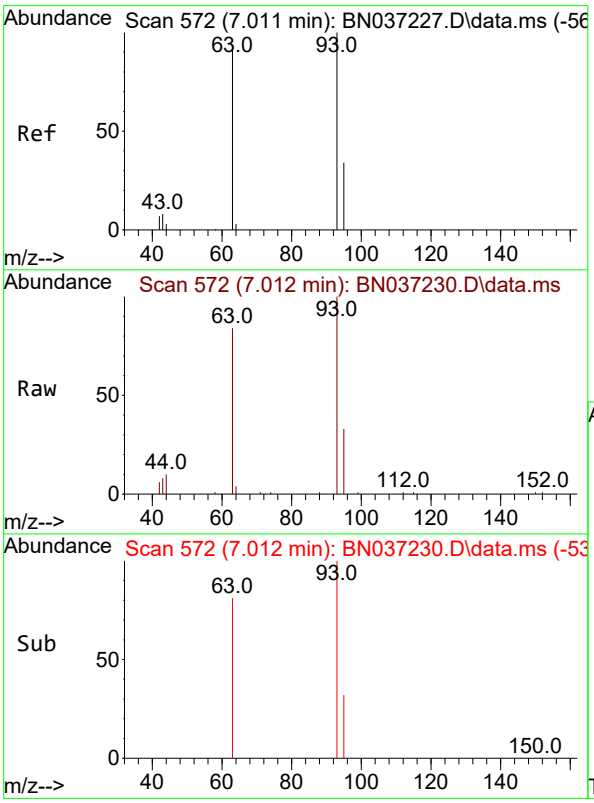
#5
Phenol-d6
Concen: 3.602 ng
RT: 6.752 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 12700

Ion	Ratio	Lower	Upper
99	100		
42	44.5	36.2	54.4
71	51.2	42.4	63.6

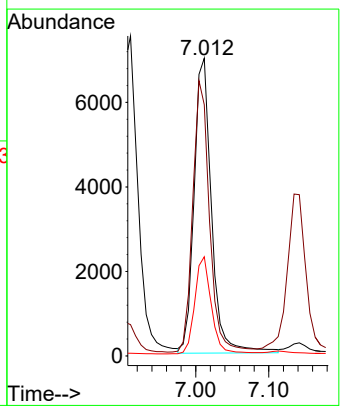


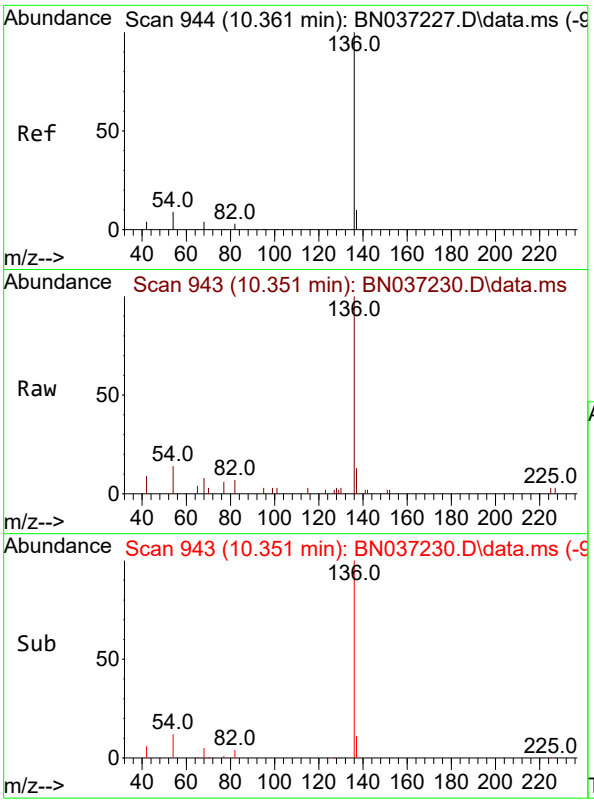


#6
bis(2-Chloroethyl)ether
Concen: 3.671 ng
RT: 7.012 min Scan# 572
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion: 93 Resp: 11592

Ion	Ratio	Lower	Upper
93	100		
63	88.1	75.2	112.8
95	31.1	28.3	42.5



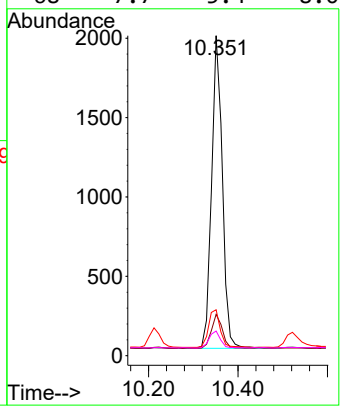


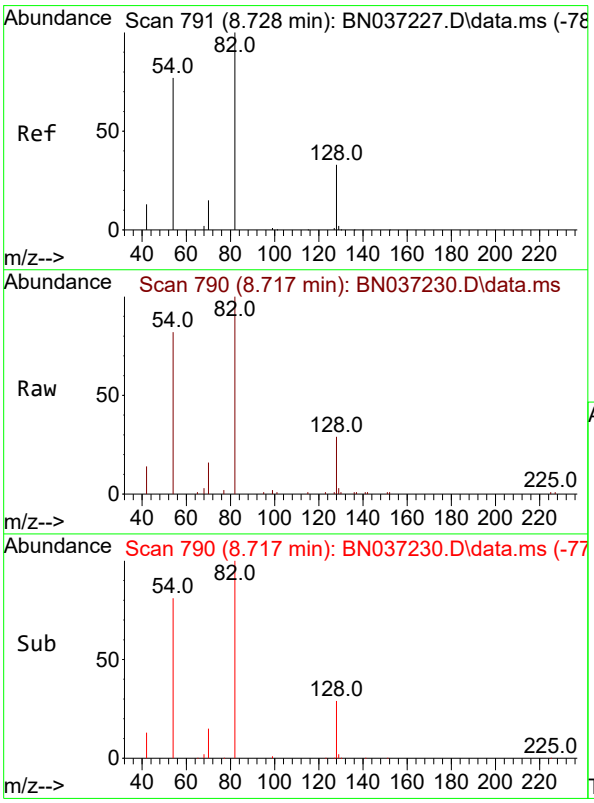
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 94
Delta R.T. -0.010 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 3277

Ion	Ratio	Lower	Upper
136	100		
137	12.9	10.6	15.8
54	14.4	9.2	13.8#
68	7.7	5.4	8.0

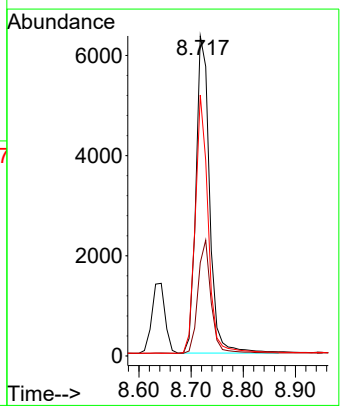


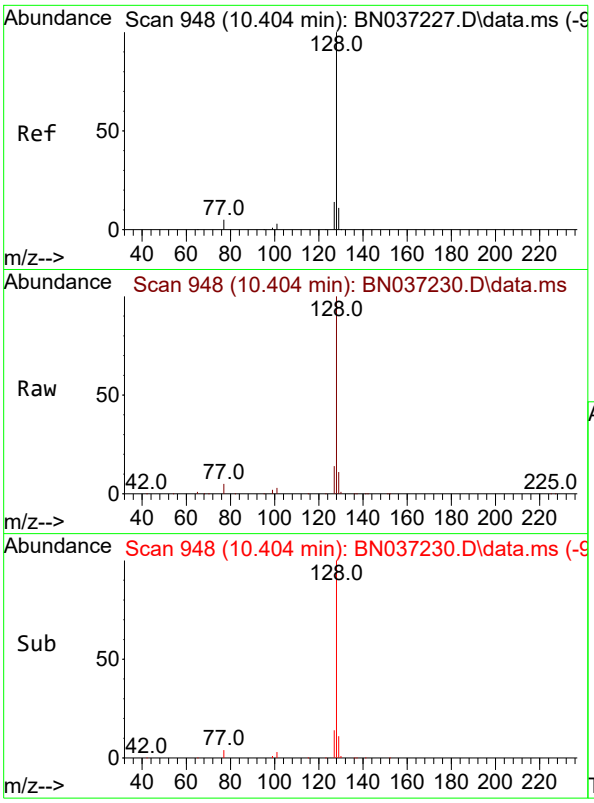


#8
Nitrobenzene-d5
Concen: 3.579 ng
RT: 8.717 min Scan# 790
Delta R.T. -0.010 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion: 82 Resp: 11592

Ion	Ratio	Lower	Upper
82	100		
128	29.1	31.2	46.8#
54	81.6	63.3	94.9



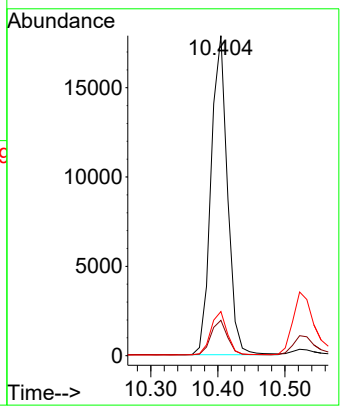


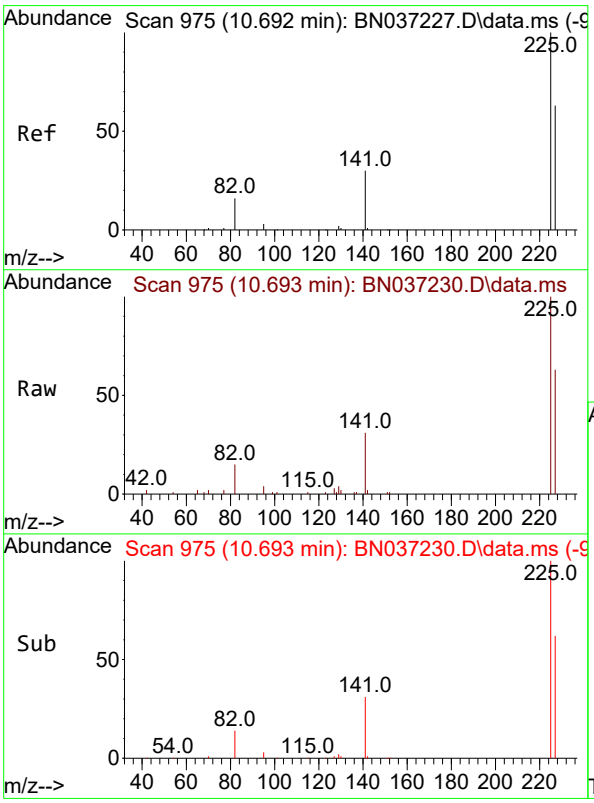
#9
Naphthalene
Concen: 3.208 ng
RT: 10.404 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 30442

Ion	Ratio	Lower	Upper
128	100		
129	11.1	10.7	16.1
127	13.8	12.6	19.0

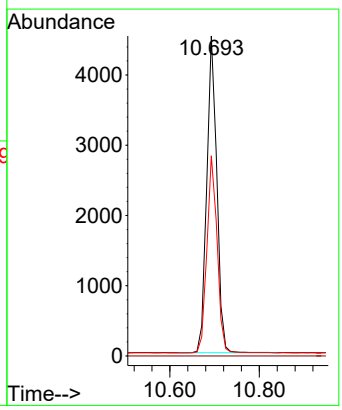


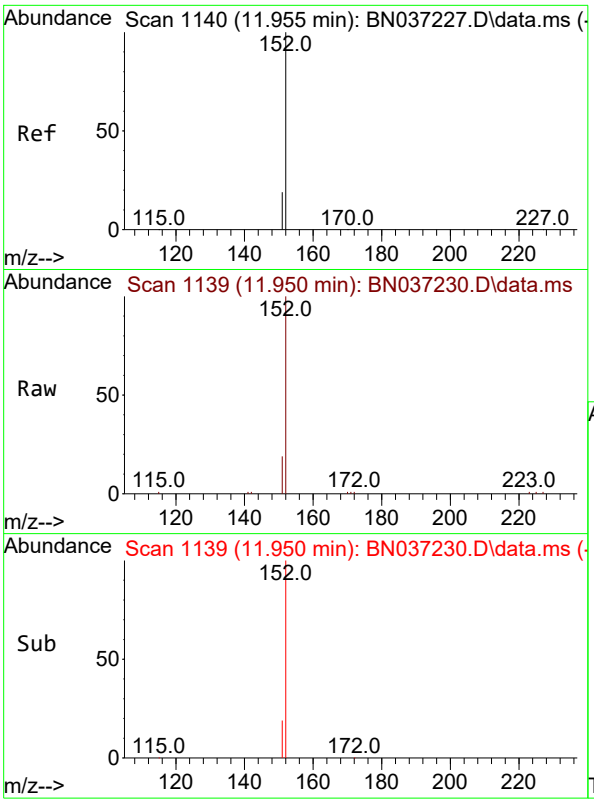


#10
Hexachlorobutadiene
Concen: 3.031 ng
RT: 10.693 min Scan# 975
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:225 Resp: 6997

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	49.2	73.8



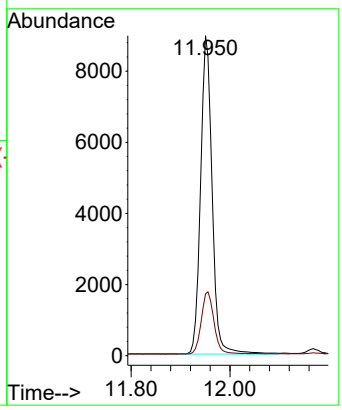


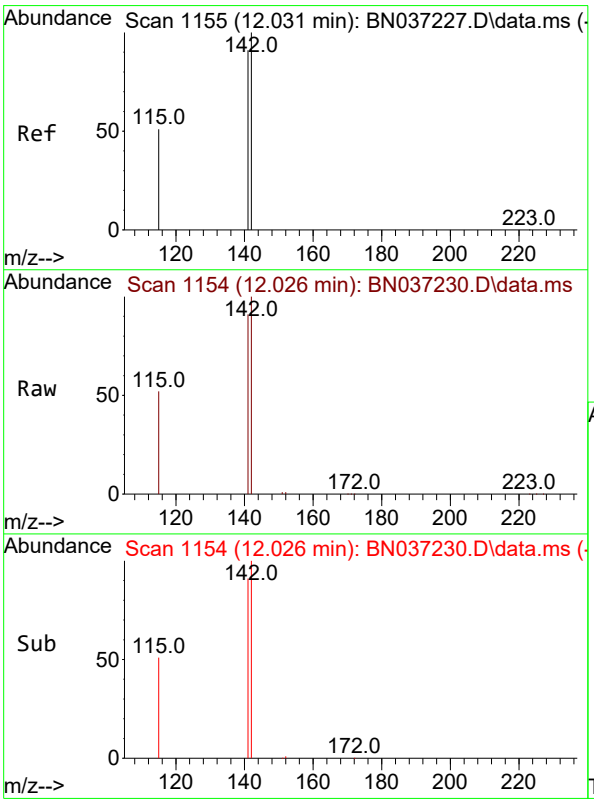
#11
2-Methylnaphthalene-d10
Concen: 3.290 ng
RT: 11.950 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 14468

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.9	26.9

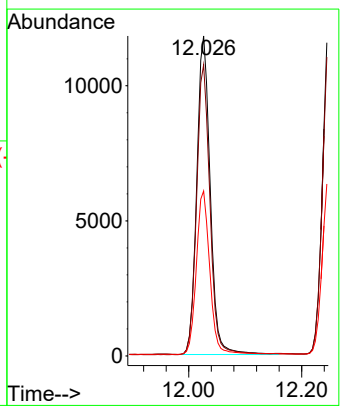


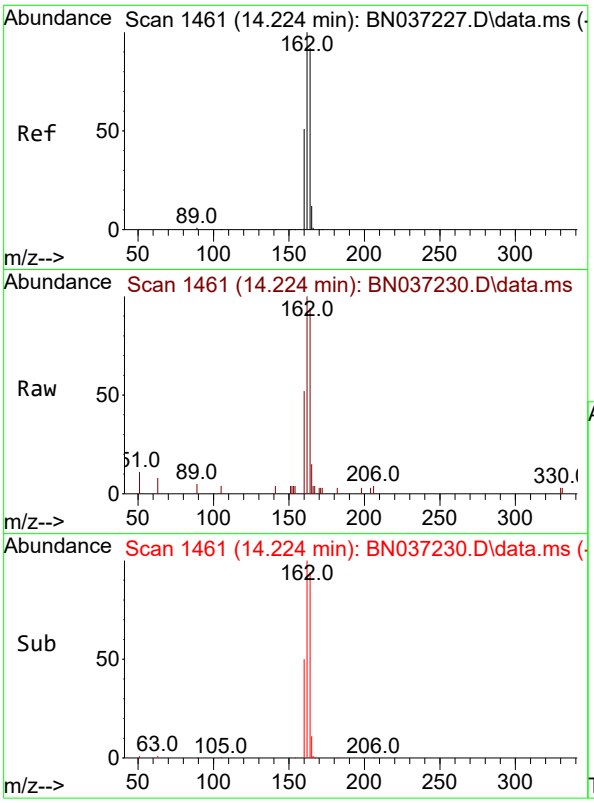


#12
2-Methylnaphthalene
Concen: 3.392 ng
RT: 12.026 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:142 Resp: 19566

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.0	109.6
115	51.5	43.3	64.9



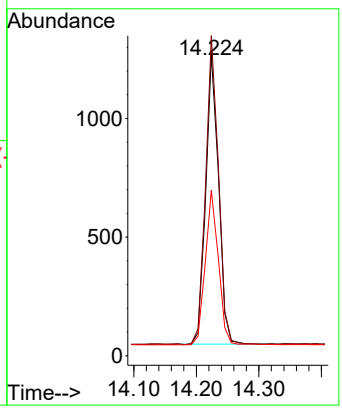


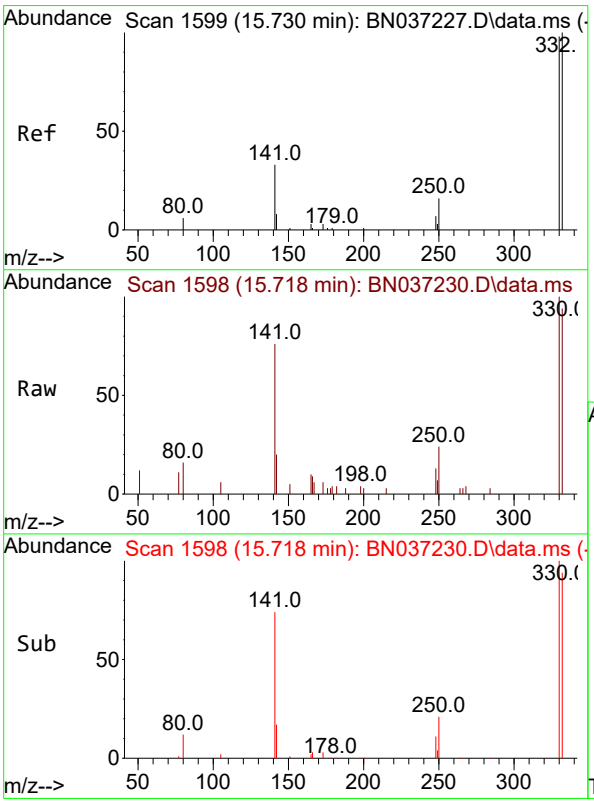
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 1730

Ion	Ratio	Lower	Upper
164	100		
162	106.3	86.7	130.1
160	55.0	45.8	68.6

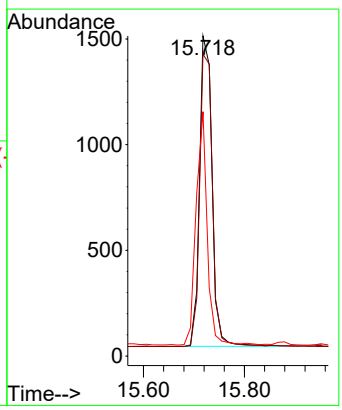


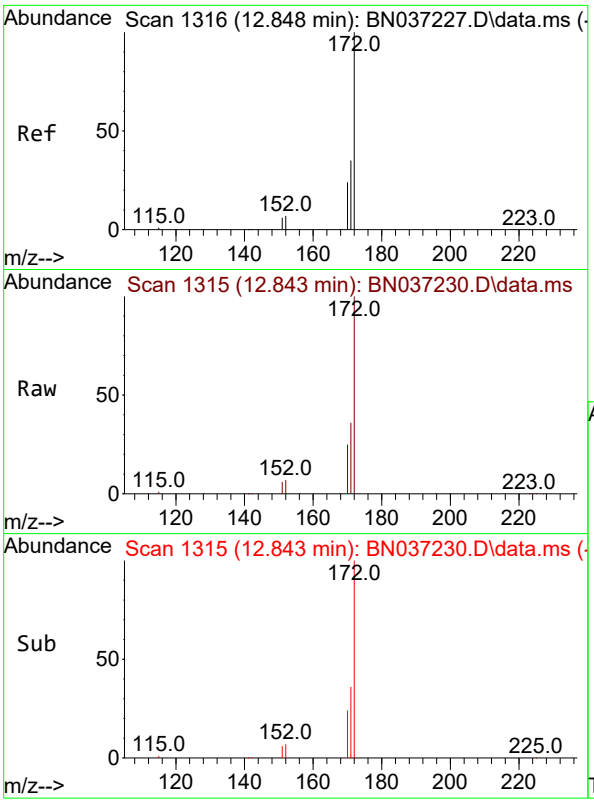


#14
2,4,6-Tribromophenol
Concen: 3.521 ng
RT: 15.718 min Scan# 1598
Delta R.T. -0.012 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:330 Resp: 2530

Ion	Ratio	Lower	Upper
330	100		
332	96.8	74.9	112.3
141	67.2	45.1	67.7



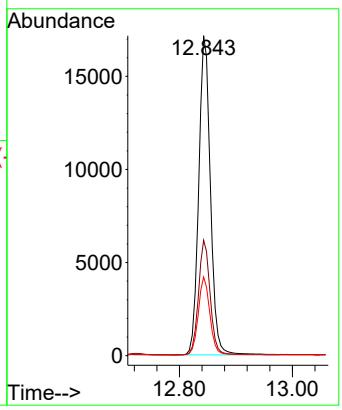


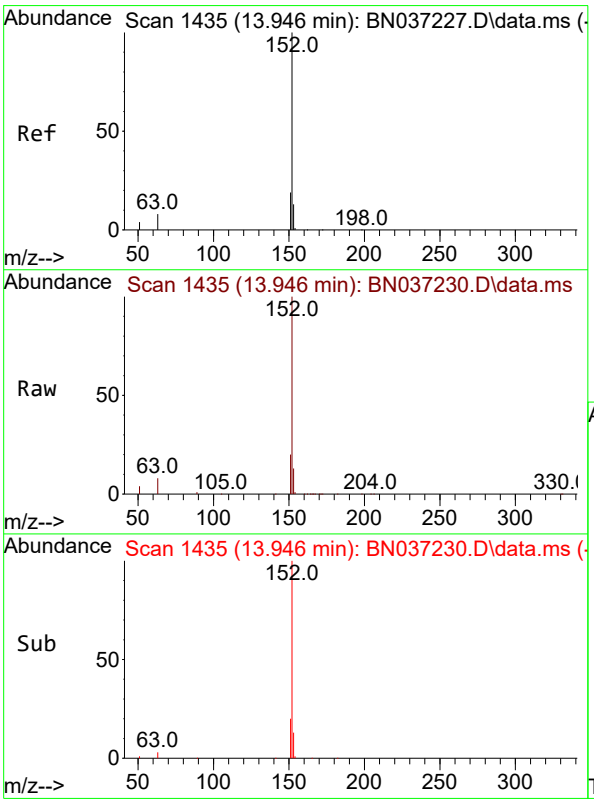
#15
2-Fluorobiphenyl
Concen: 3.384 ng
RT: 12.843 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 24600

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.8	44.8
170	24.6	21.1	31.7

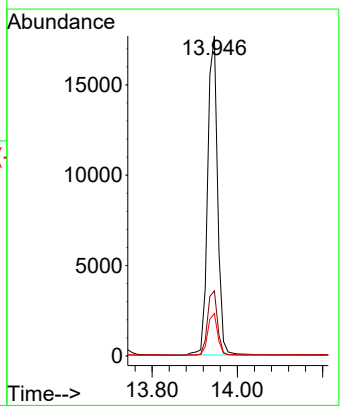


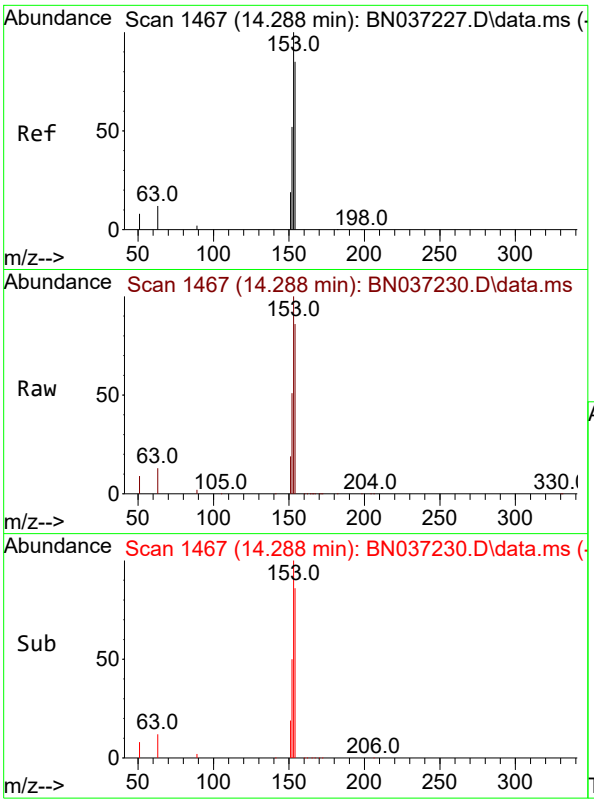


#16
Acenaphthylene
Concen: 3.366 ng
RT: 13.946 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:152 Resp: 28536

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.7	23.5
153	12.9	10.7	16.1



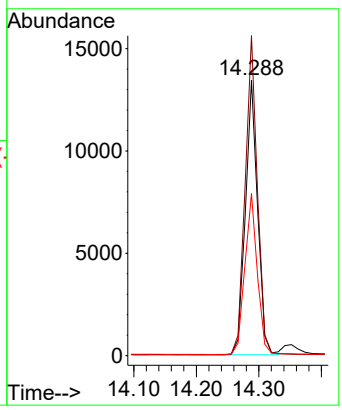


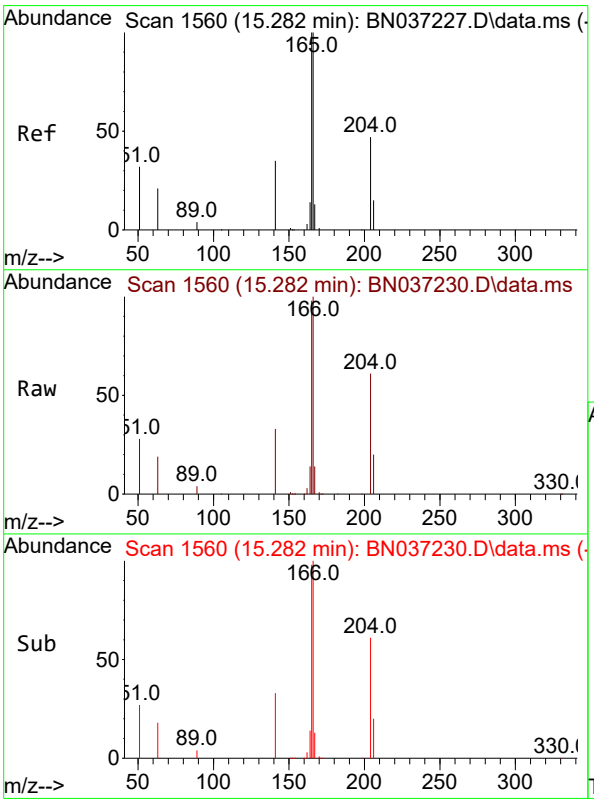
#17
Acenaphthene
Concen: 3.334 ng
RT: 14.288 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 18242

Ion	Ratio	Lower	Upper
154	100		
153	116.2	94.6	141.8
152	60.0	49.6	74.4

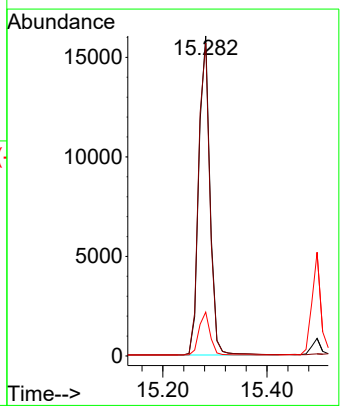


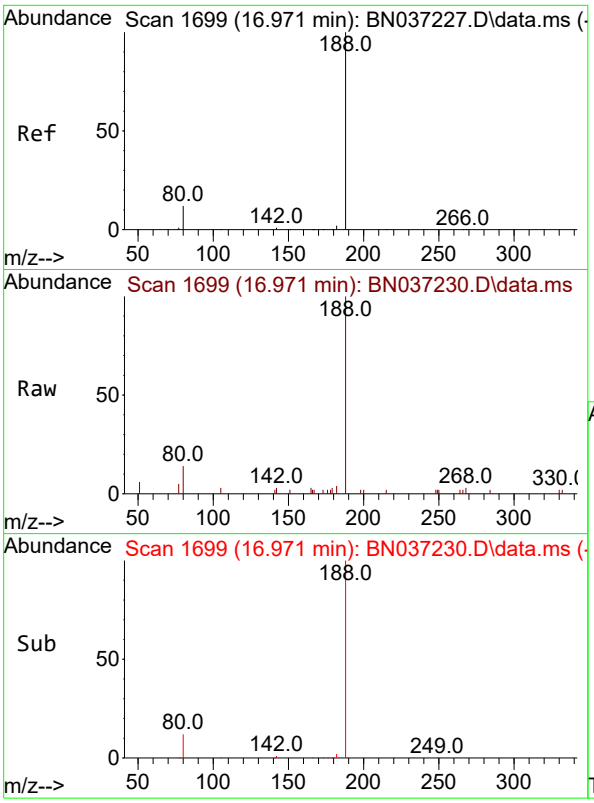


#18
Fluorene
Concen: 3.375 ng
RT: 15.282 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:166 Resp: 23723

Ion	Ratio	Lower	Upper
166	100		
165	99.9	79.8	119.6
167	13.4	10.8	16.2



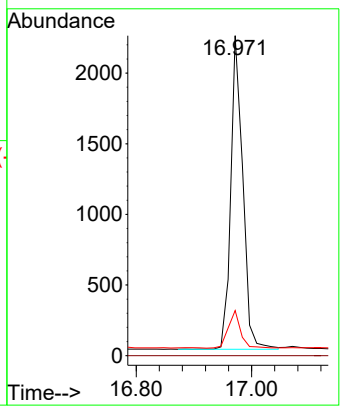


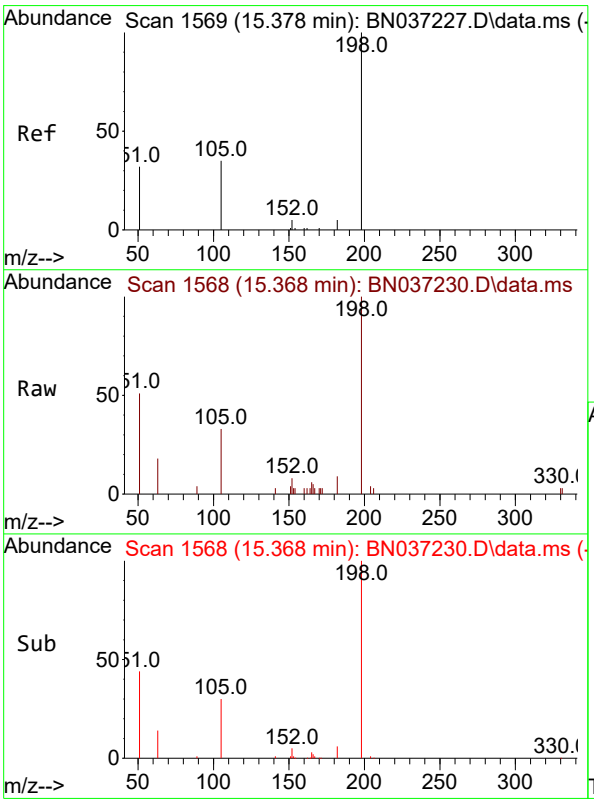
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 3218

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.1	12.2	18.4

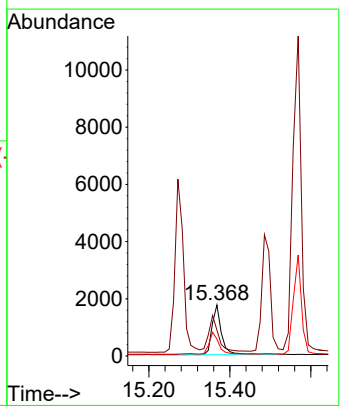


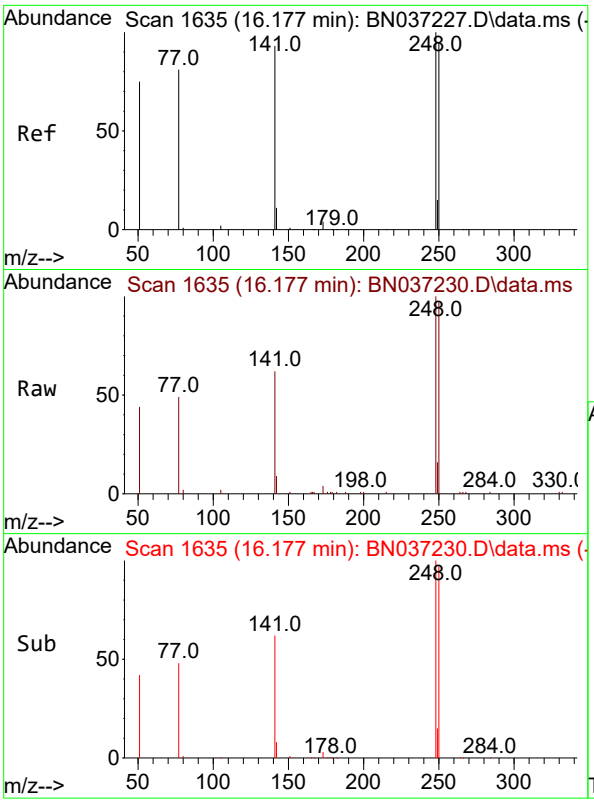


#20
4,6-Dinitro-2-methylphenol
Concen: 3.223 ng
RT: 15.368 min Scan# 1568
Delta R.T. -0.010 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:198 Resp: 2836

Ion	Ratio	Lower	Upper
198	100		
51	50.6	111.2	166.8#
105	32.9	54.0	81.0#



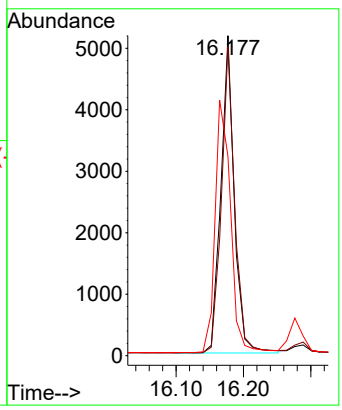


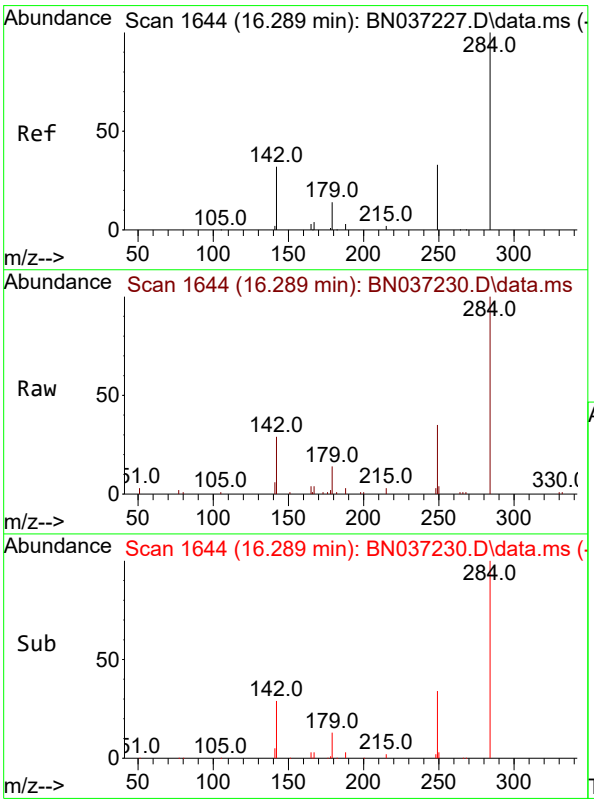
#21
4-Bromophenyl-phenylether
Concen: 3.389 ng
RT: 16.177 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:248 Resp: 7106

Ion	Ratio	Lower	Upper
248	100		
250	96.6	76.8	115.2
141	62.3	75.6	113.4#

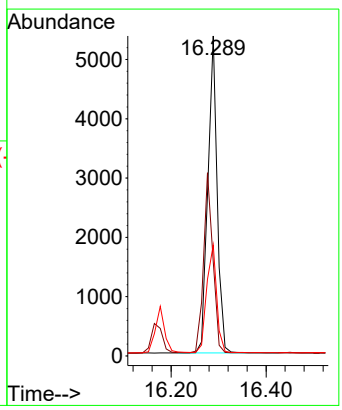


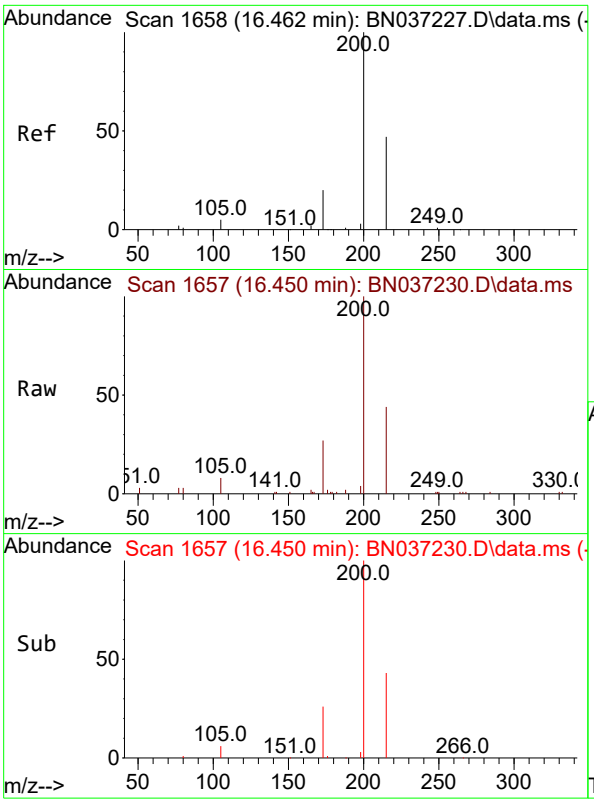


#22
Hexachlorobenzene
Concen: 3.006 ng
RT: 16.289 min Scan# 1644
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:284 Resp: 7308

Ion	Ratio	Lower	Upper
284	100		
142	57.3	43.8	65.6
249	36.7	28.4	42.6



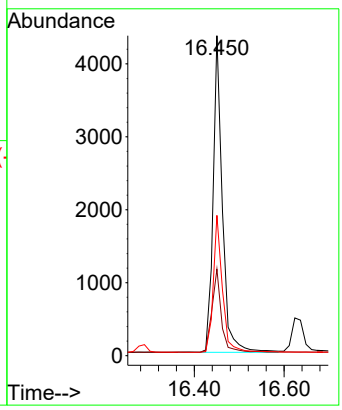


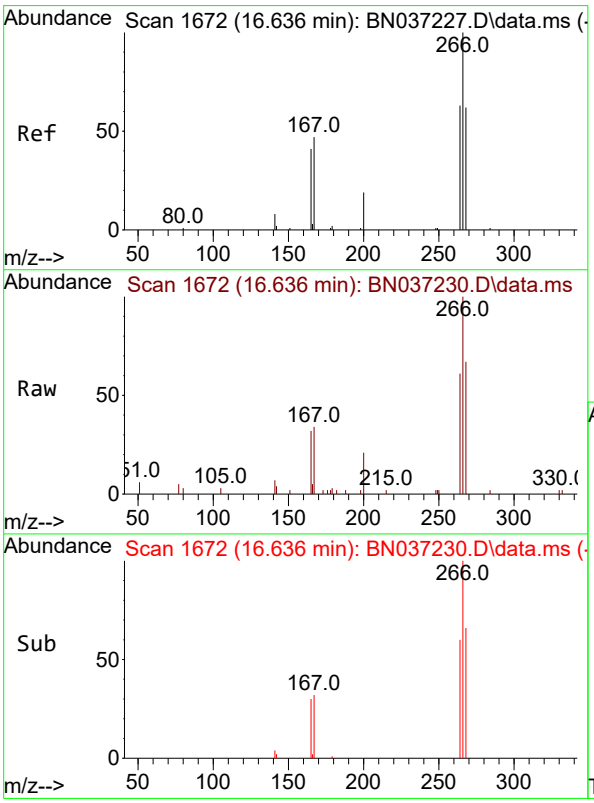
#23
Atrazine
Concen: 3.311 ng
RT: 16.450 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:200 Resp: 6193

Ion	Ratio	Lower	Upper
200	100		
173	27.0	25.1	37.7
215	43.8	43.7	65.5

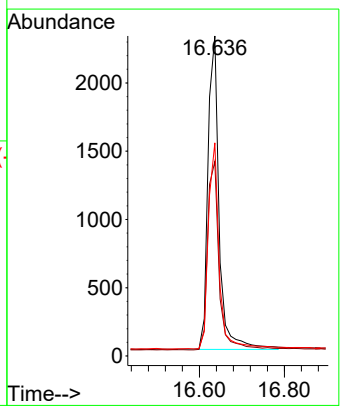


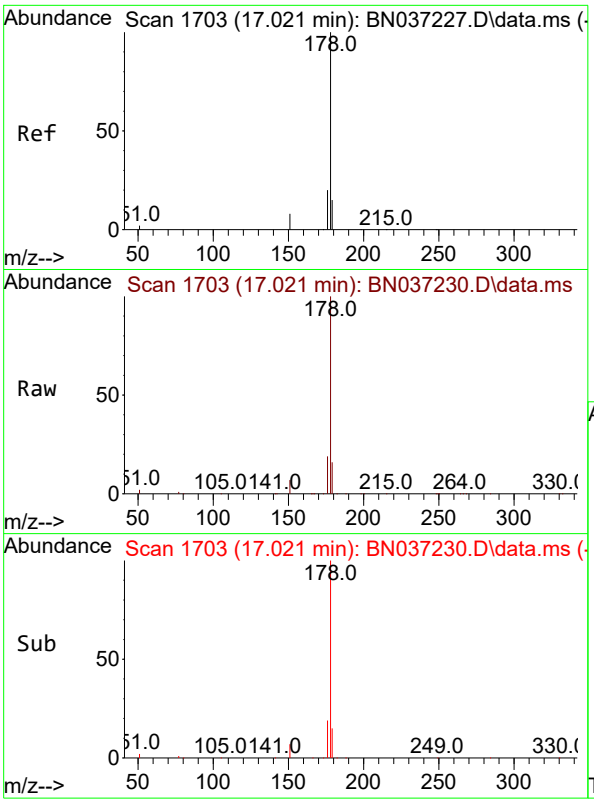


#24
Pentachlorophenol
Concen: 3.508 ng
RT: 16.636 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:266 Resp: 4179

Ion	Ratio	Lower	Upper
266	100		
264	62.2	49.2	73.8
268	64.6	53.4	80.2



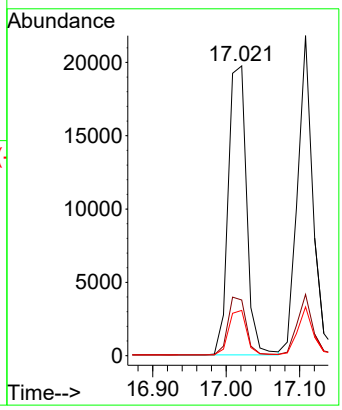


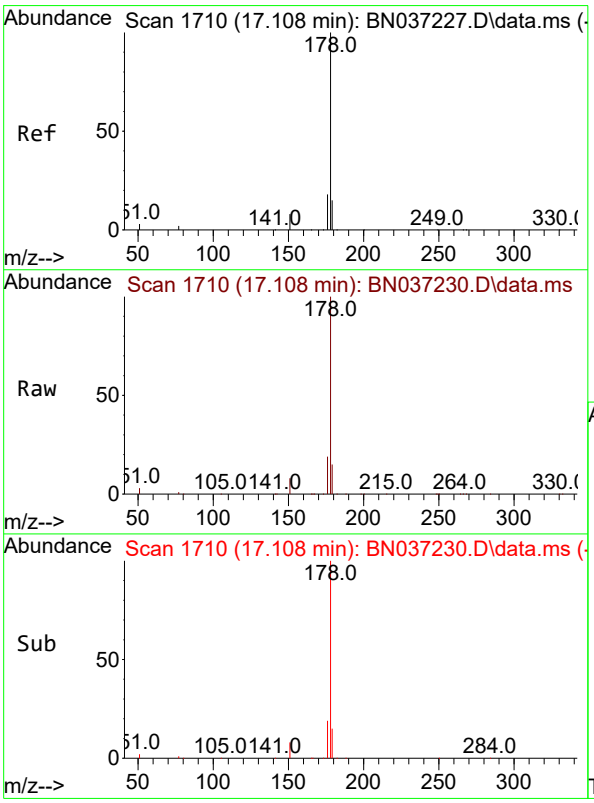
#25
Phenanthrene
Concen: 3.349 ng
RT: 17.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 34176

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.3	24.5
179	15.1	12.6	18.8

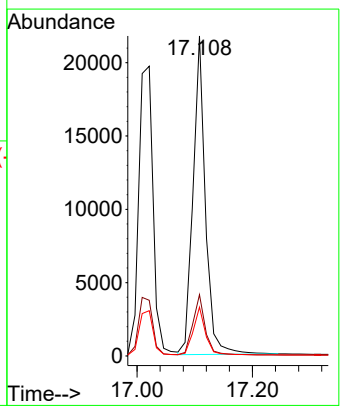


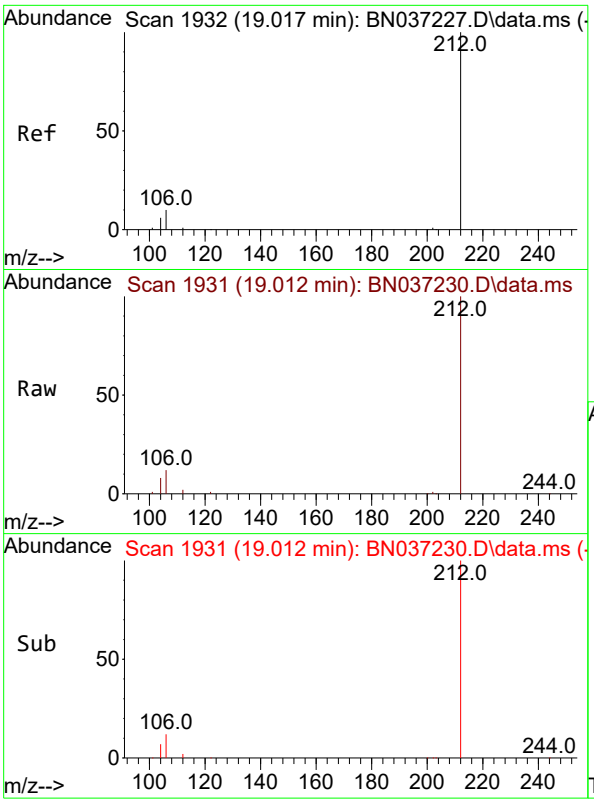


#26
Anthracene
Concen: 3.464 ng
RT: 17.108 min Scan# 1710
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:178 Resp: 32366

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.0	12.4	18.6



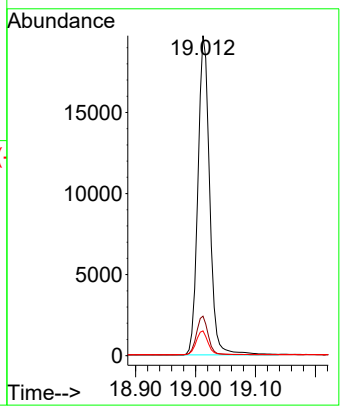


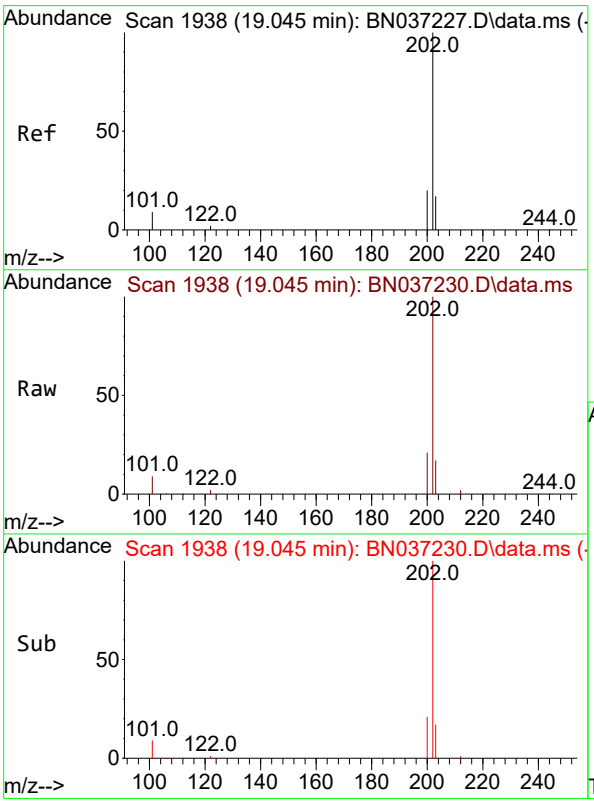
#27
Fluoranthene-d10
Concen: 3.188 ng
RT: 19.012 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:212 Resp: 26844

Ion	Ratio	Lower	Upper
212	100		
106	12.1	9.3	13.9
104	7.6	5.7	8.5

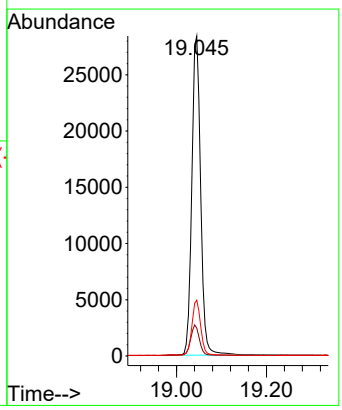


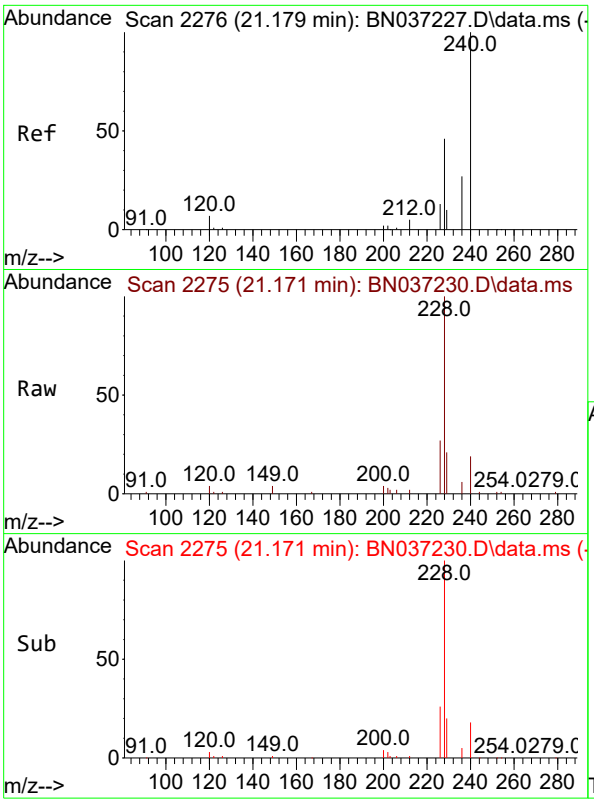


#28
Fluoranthene
Concen: 3.254 ng
RT: 19.045 min Scan# 1938
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:202 Resp: 38876

Ion	Ratio	Lower	Upper
202	100		
101	9.7	7.1	10.7
203	17.1	13.0	19.6



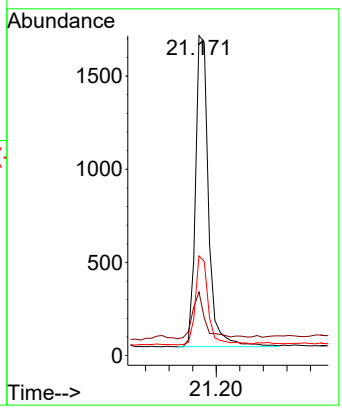


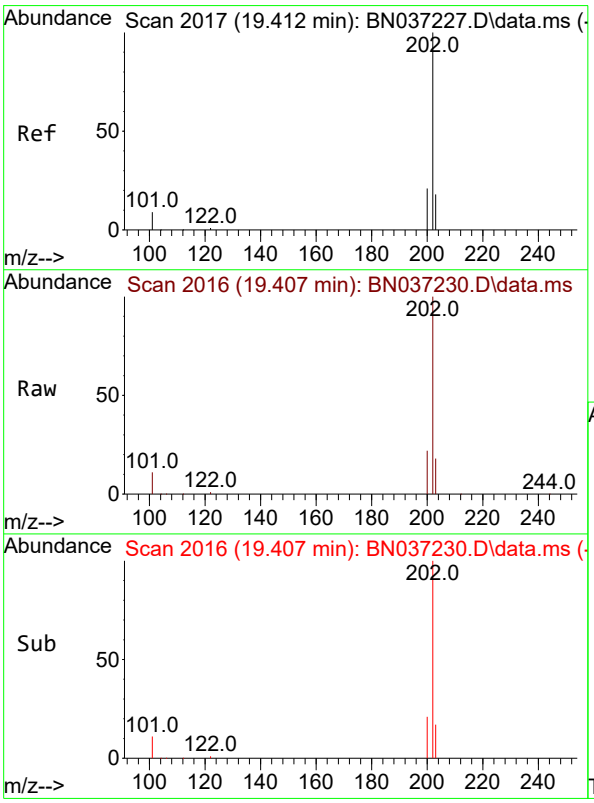
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.171 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:240 Resp: 2562

Ion	Ratio	Lower	Upper
240	100		
120	19.9	11.3	16.9#
236	31.2	24.4	36.6

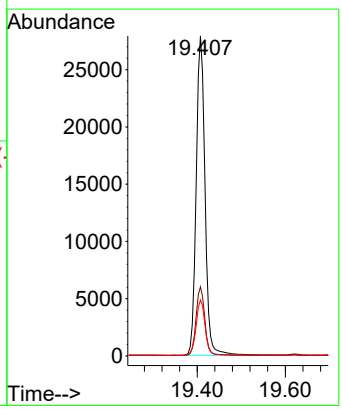


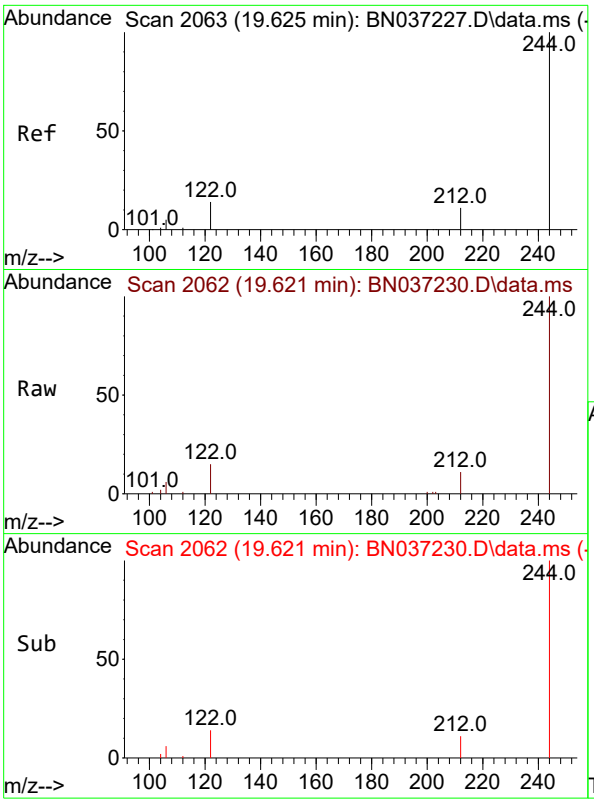


#30
Pyrene
Concen: 3.219 ng
RT: 19.407 min Scan# 2016
Delta R.T. -0.004 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:202 Resp: 38772

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	17.7	14.3	21.5



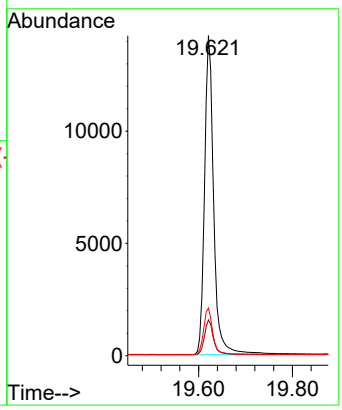


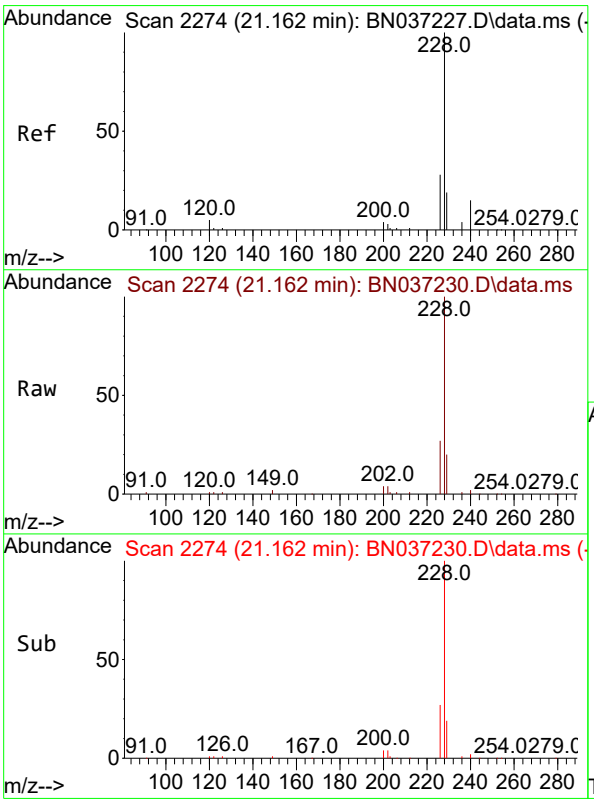
#31
Terphenyl-d14
Concen: 3.323 ng
RT: 19.621 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:244 Resp: 19247

Ion	Ratio	Lower	Upper
244	100		
212	11.2	12.2	18.2#
122	14.9	14.3	21.5

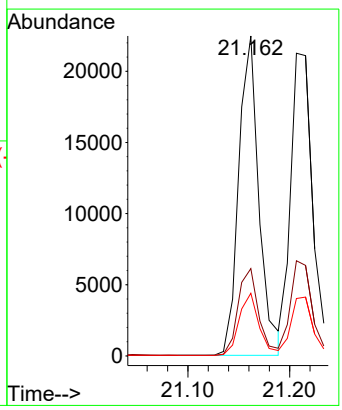


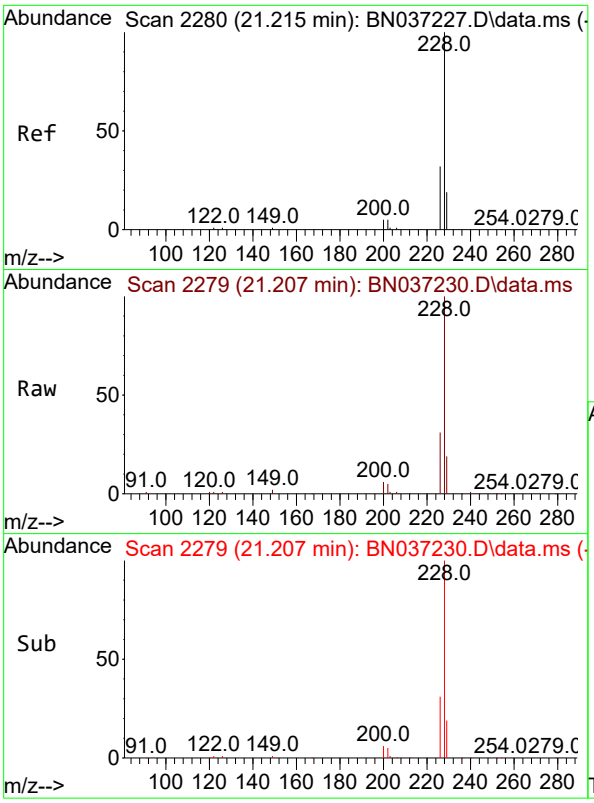


#32
Benzo(a)anthracene
Concen: 3.571 ng
RT: 21.162 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:228 Resp: 30893

Ion	Ratio	Lower	Upper
228	100		
226	27.3	23.8	35.8
229	19.6	17.0	25.4



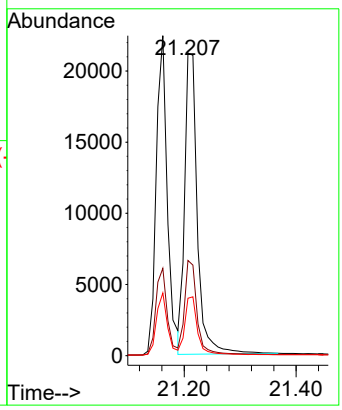


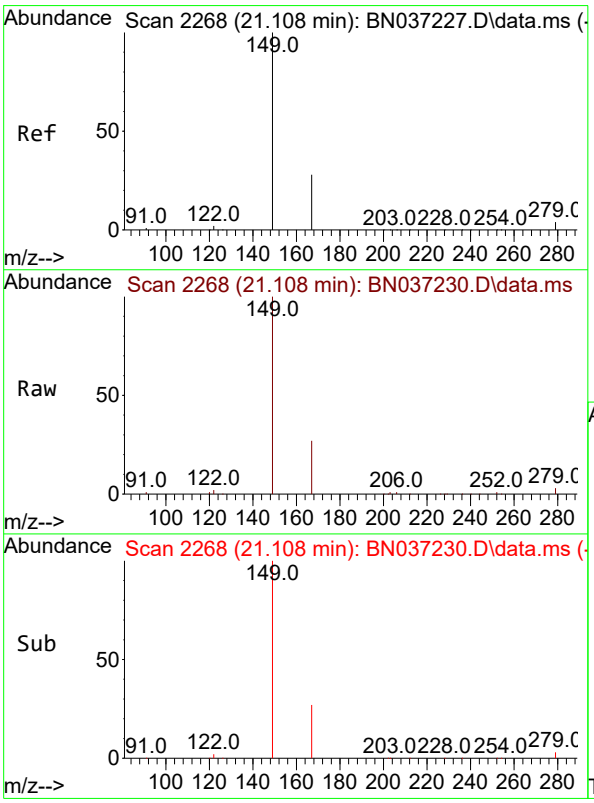
#33
Chrysene
Concen: 3.106 ng
RT: 21.207 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 33474

Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.8	38.6
229	19.0	17.0	25.4

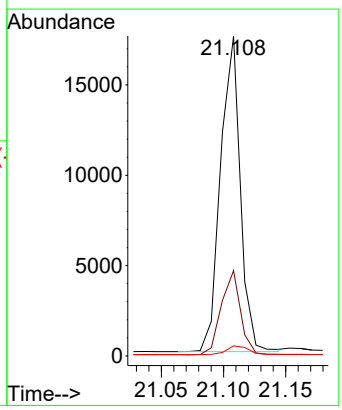


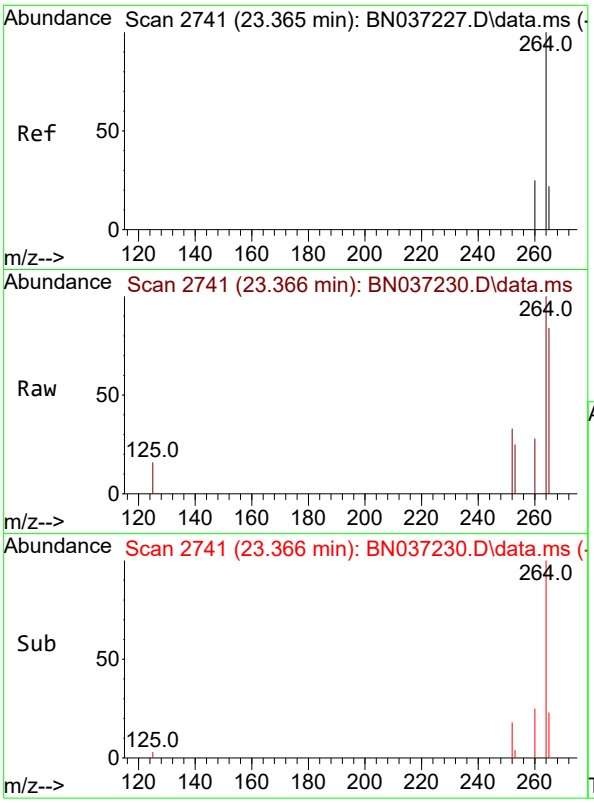


#34
Bis(2-ethylhexyl)phthalate
Concen: 2.996 ng
RT: 21.108 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:149 Resp: 19300

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.3	31.9
279	3.0	3.3	4.9#



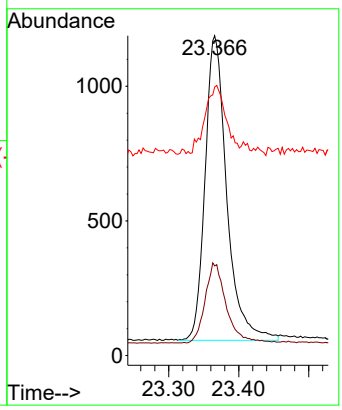


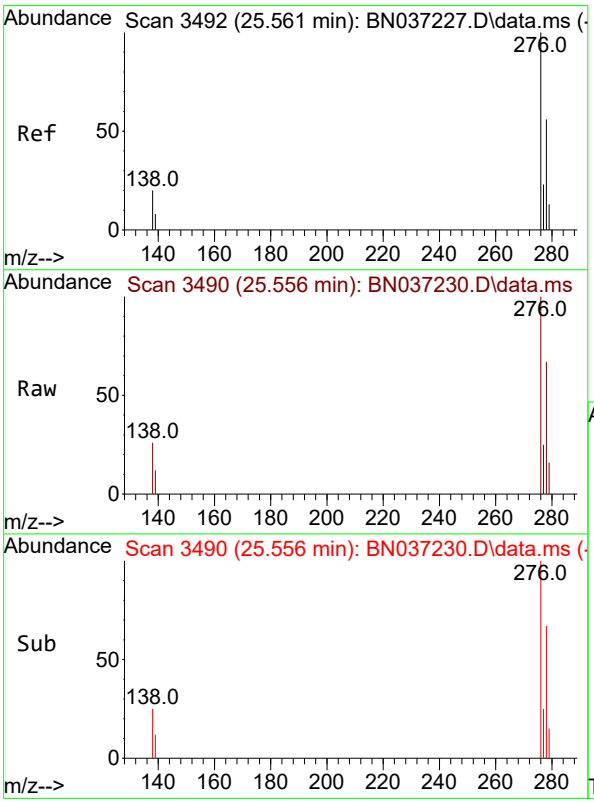
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.366 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:264 Resp: 2434

Ion	Ratio	Lower	Upper
264	100		
260	28.0	22.8	34.2
265	83.9	66.4	99.6

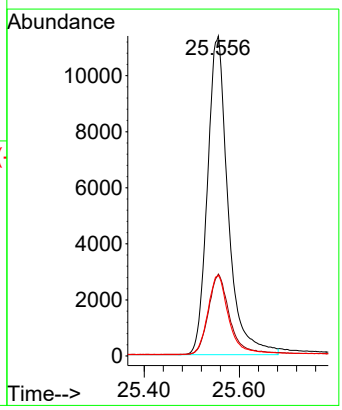


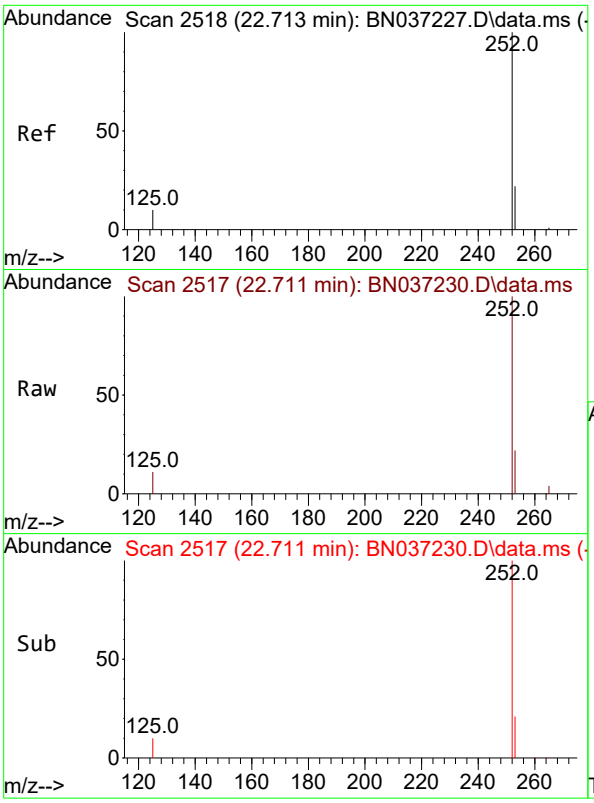


#36
Indeno(1,2,3-cd)pyrene
Concen: 3.486 ng
RT: 25.556 min Scan# 3490
Delta R.T. -0.006 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:276 Resp: 34219

Ion	Ratio	Lower	Upper
276	100		
138	25.9	16.8	25.2#
277	25.3	19.5	29.3



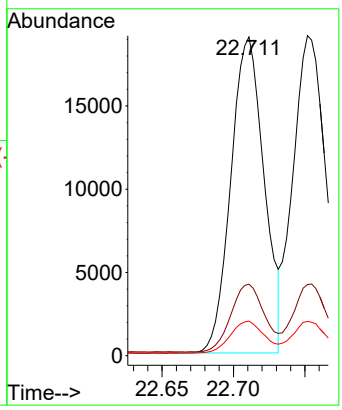


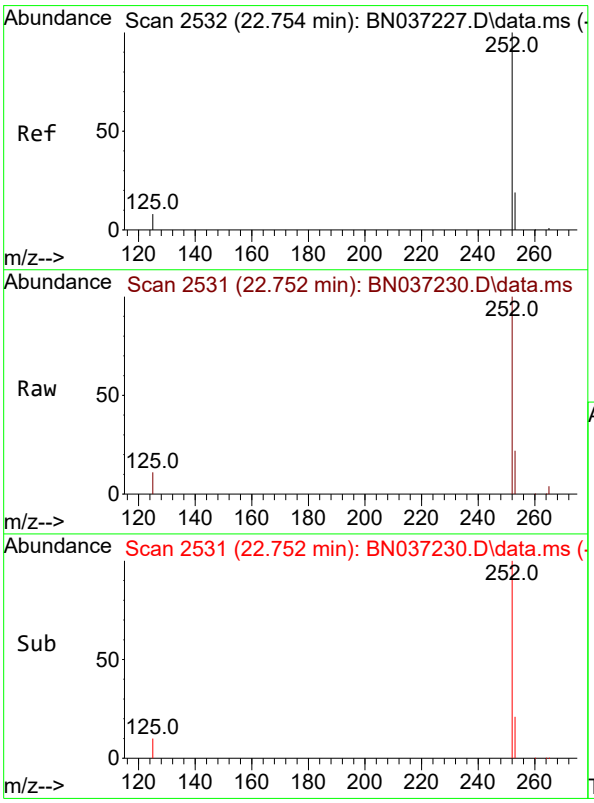
#37
Benzo(b)fluoranthene
Concen: 3.447 ng
RT: 22.711 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 30687

Ion	Ratio	Lower	Upper
252	100		
253	22.5	24.9	37.3#
125	10.8	12.9	19.3#

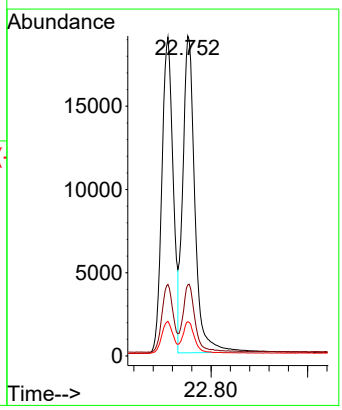


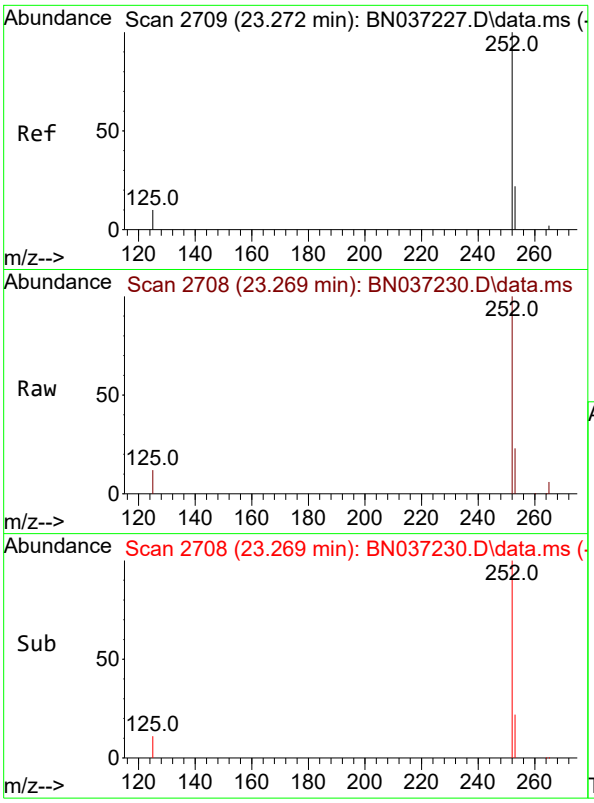


#38
Benzo(k)fluoranthene
Concen: 3.248 ng
RT: 22.752 min Scan# 2531
Delta R.T. -0.003 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:252 Resp: 33172

Ion	Ratio	Lower	Upper
252	100		
253	22.2	24.6	37.0#
125	10.7	13.4	20.2#



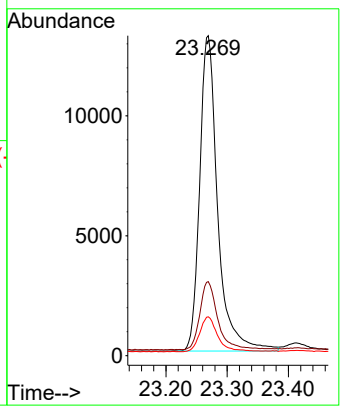


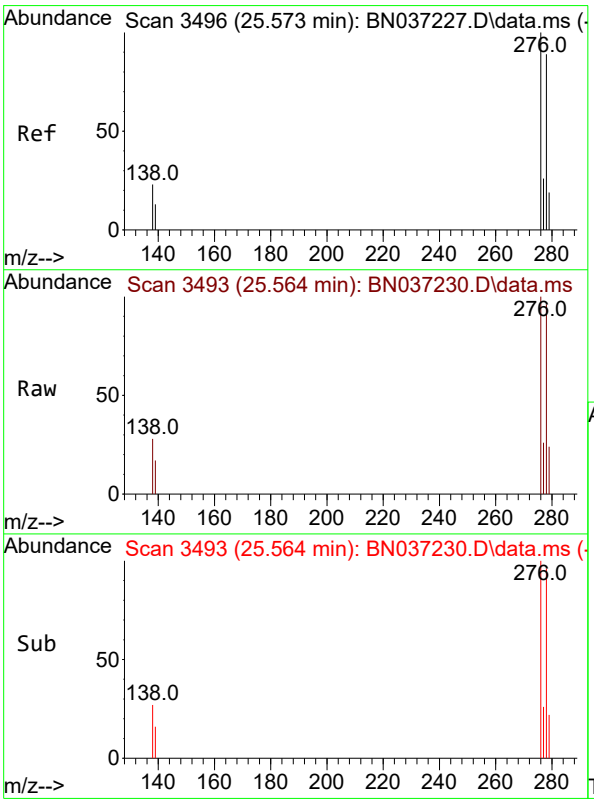
#39
Benzo(a)pyrene
Concen: 3.361 ng
RT: 23.269 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 26918

Ion	Ratio	Lower	Upper
252	100		
253	23.2	29.4	44.2#
125	12.2	16.2	24.2#

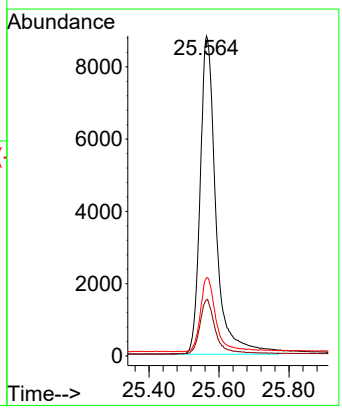


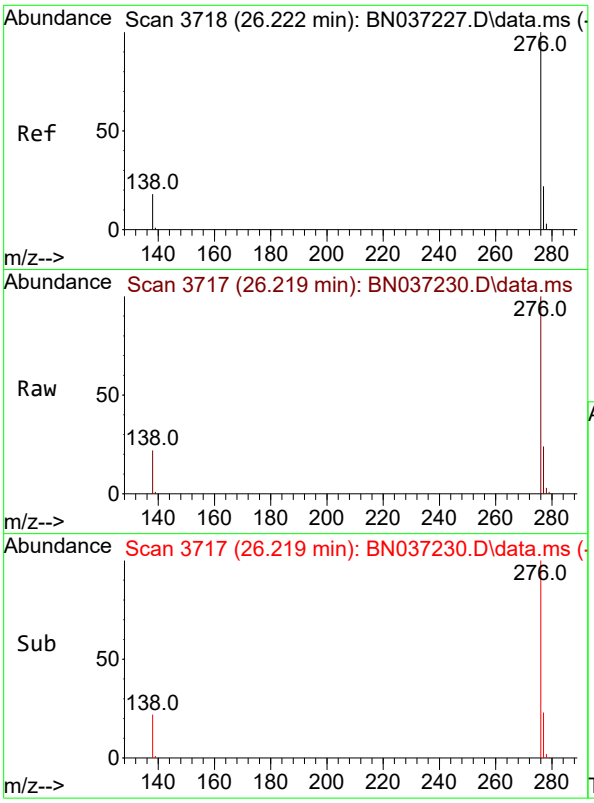


#40
Dibenzo(a,h)anthracene
Concen: 3.751 ng
RT: 25.564 min Scan# 3493
Delta R.T. -0.009 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Tgt Ion:278 Resp: 27744

Ion	Ratio	Lower	Upper
278	100		
139	17.4	17.8	26.6#
279	24.5	31.3	46.9#



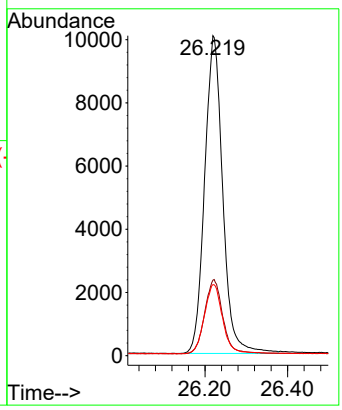


#41
Benzo(g,h,i)perylene
Concen: 3.350 ng
RT: 26.219 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037230.D
Acq: 13 Jun 2025 16:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 30489

Ion	Ratio	Lower	Upper
276	100		
277	23.6	22.0	33.0
138	22.2	18.4	27.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037231.D
Acq On : 13 Jun 2025 17:11
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Jun 13 18:38:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:34:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.575	152	1719	0.400	ng		0.00
7) Naphthalene-d8	10.351	136	3927	0.400	ng		#-0.01
13) Acenaphthene-d10	14.224	164	2088	0.400	ng		0.00
19) Phenanthrene-d10	16.971	188	3744	0.400	ng		0.00
29) Chrysene-d12	21.171	240	3121	0.400	ng		0.00
35) Perylene-d12	23.360	264	2895	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.170	112	20890	4.948	ng		0.00
5) Phenol-d6	6.759	99	25211	5.666	ng		0.00
8) Nitrobenzene-d5	8.717	82	22243	5.731	ng		-0.01
11) 2-Methylnaphthalene-d10	11.950	152	27140	5.150	ng		0.00
14) 2,4,6-Tribromophenol	15.718	330	4635	5.344	ng		-0.01
15) 2-Fluorobiphenyl	12.843	172	44772	5.103	ng		0.00
27) Fluoranthene-d10	19.012	212	50205	5.125	ng		0.00
31) Terphenyl-d14	19.621	244	36062	5.111	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.104	88	10450	4.431	ng		92
3) n-Nitrosodimethylamine	3.415	42	24357	4.533	ng		94
6) bis(2-Chloroethyl)ether	7.012	93	22354	5.609	ng		94
9) Naphthalene	10.404	128	56880	5.002	ng		94
10) Hexachlorobutadiene	10.692	225	12686	4.586	ng	#	98
12) 2-Methylnaphthalene	12.026	142	36587	5.292	ng		98
16) Acenaphthylene	13.946	152	52739	5.154	ng		99
17) Acenaphthene	14.288	154	33323	5.045	ng		97
18) Fluorene	15.282	166	43051	5.075	ng		100
20) 4,6-Dinitro-2-methylph...	15.368	198	5424	4.992	ng	#	36
21) 4-Bromophenyl-phenylether	16.177	248	12785	5.240	ng	#	81
22) Hexachlorobenzene	16.289	284	13054	4.616	ng		98
23) Atrazine	16.450	200	11399	5.239	ng	#	87
24) Pentachlorophenol	16.636	266	8014	5.782	ng		97
25) Phenanthrene	17.021	178	62123	5.232	ng		99
26) Anthracene	17.108	178	59009	5.429	ng		99
28) Fluoranthene	19.045	202	71952	5.177	ng		98
30) Pyrene	19.407	202	72342	4.930	ng		99
32) Benzo(a)anthracene	21.153	228	58498	5.551	ng		97
33) Chrysene	21.206	228	63057	4.803	ng		98
34) Bis(2-ethylhexyl)phtha...	21.108	149	37466	4.774	ng	#	99
36) Indeno(1,2,3-cd)pyrene	25.552	276	65610	5.620	ng	#	94
37) Benzo(b)fluoranthene	22.708	252	58631	5.536	ng	#	85
38) Benzo(k)fluoranthene	22.749	252	62537	5.148	ng	#	85
39) Benzo(a)pyrene	23.266	252	51138	5.368	ng	#	78
40) Dibenzo(a,h)anthracene	25.564	278	51648	5.871	ng	#	81
41) Benzo(g,h,i)perylene	26.219	276	56339	5.204	ng		96

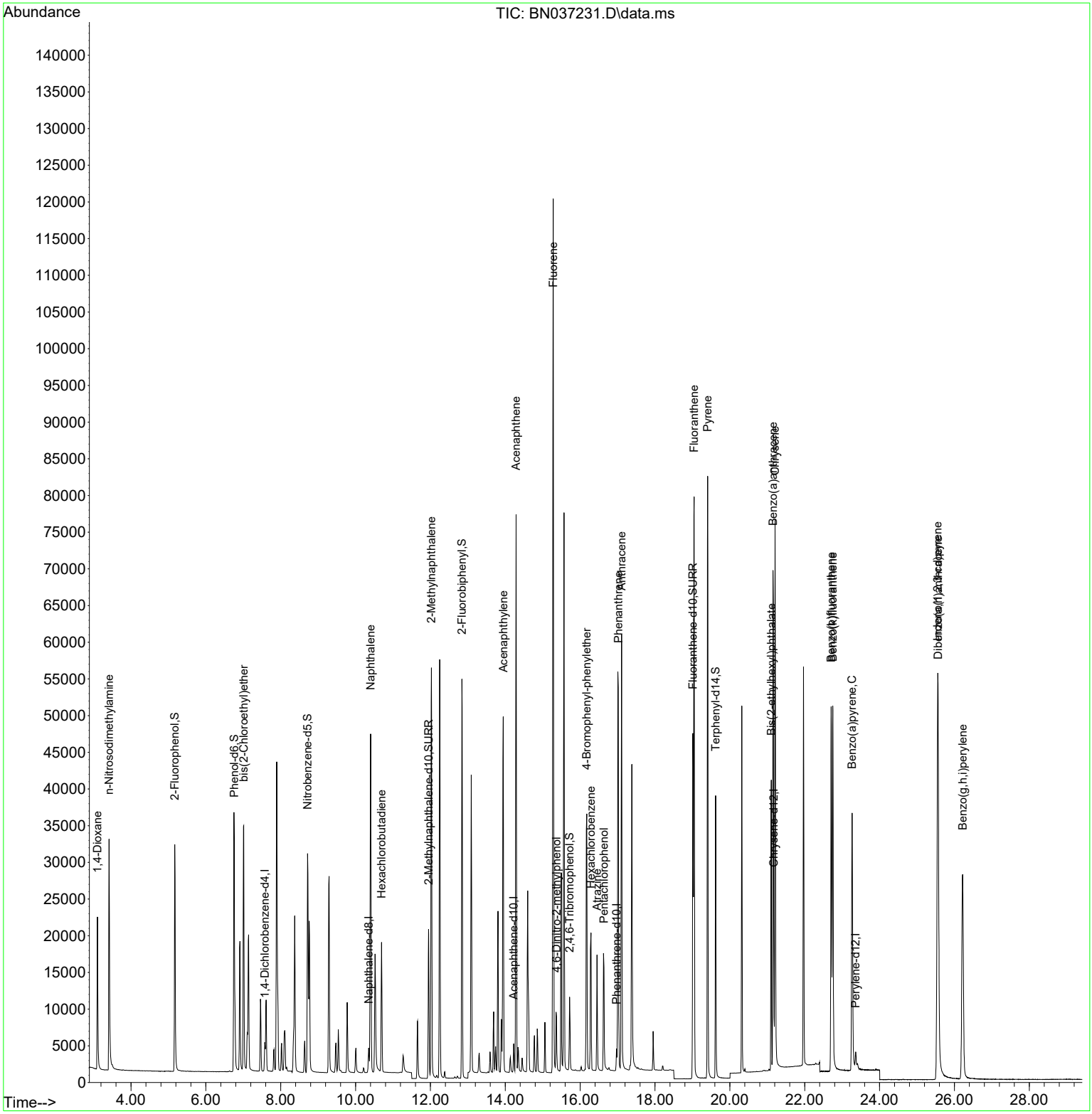
(#) = qualifier out of range (m) = manual integration (+) = signals summed

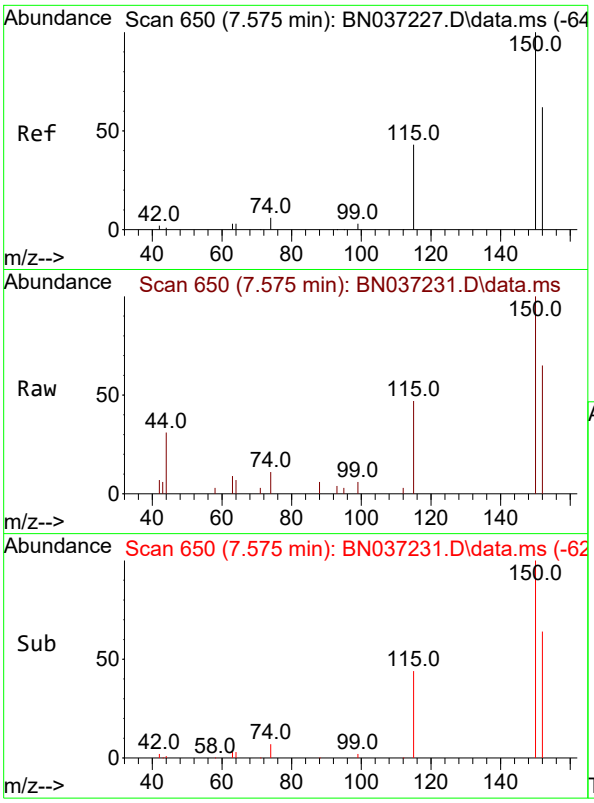
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037231.D
Acq On : 13 Jun 2025 17:11
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Jun 13 18:38:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:34:15 2025
Response via : Initial Calibration



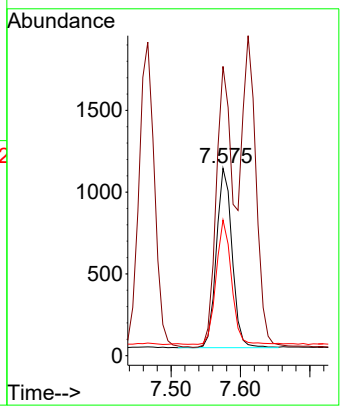


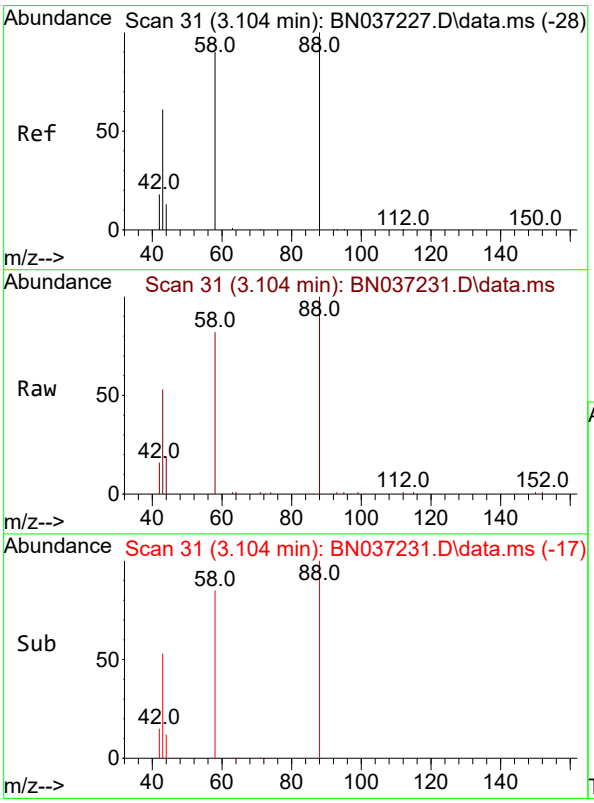
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.575 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 1719

Ion	Ratio	Lower	Upper
152	100		
150	154.4	125.2	187.8
115	72.4	58.4	87.6

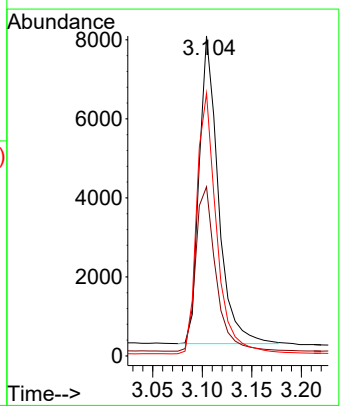


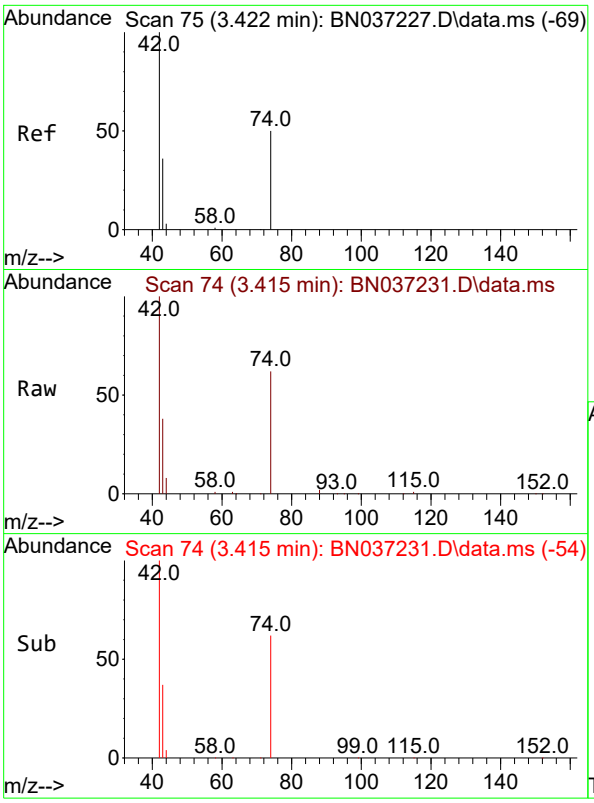


#2
1,4-Dioxane
Concen: 4.431 ng
RT: 3.104 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Tgt Ion: 88 Resp: 10450

Ion	Ratio	Lower	Upper
88	100		
43	56.4	52.6	79.0
58	87.7	73.5	110.3



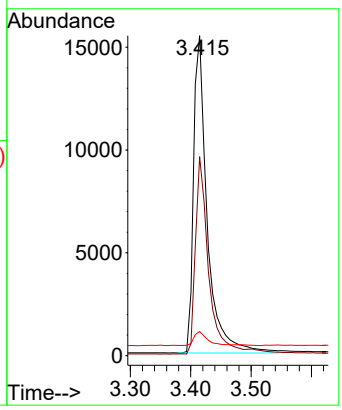


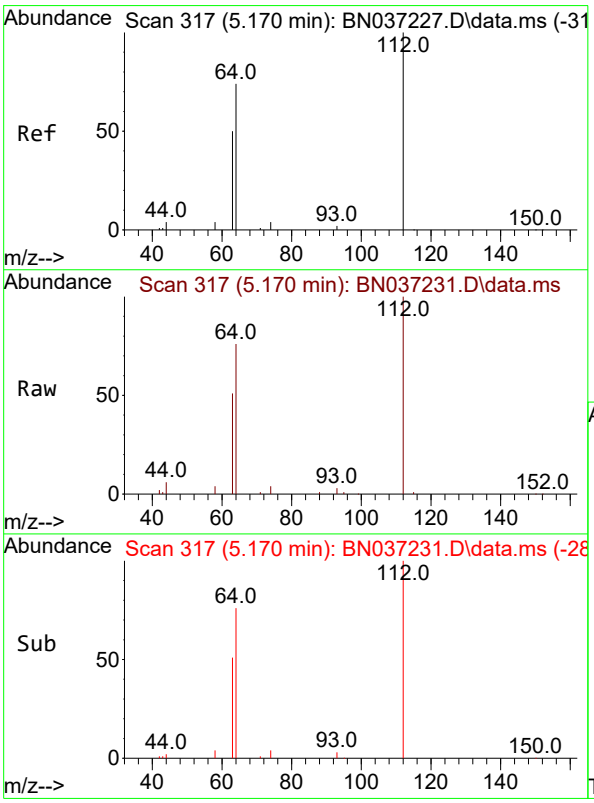
#3
n-Nitrosodimethylamine
Concen: 4.533 ng
RT: 3.415 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 24357

Ion	Ratio	Lower	Upper
42	100		
74	60.7	44.6	66.8
44	4.7	3.5	5.3

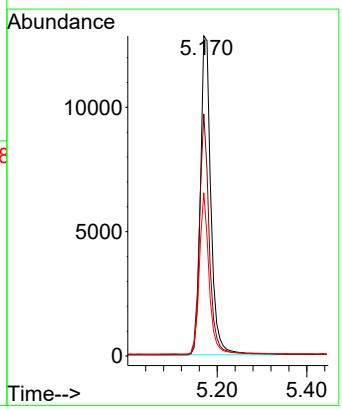


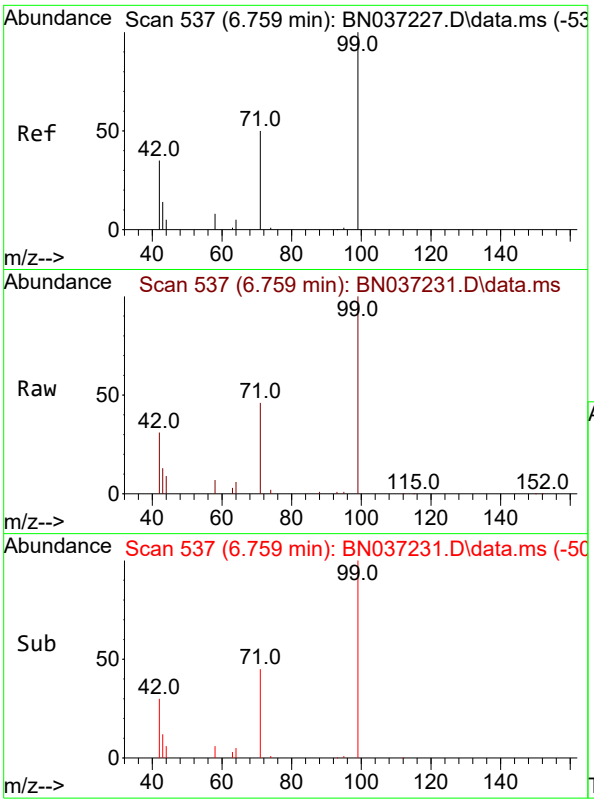


#4
2-Fluorophenol
Concen: 4.948 ng
RT: 5.170 min Scan# 317
Delta R.T. 0.000 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Tgt Ion:112 Resp: 20890

Ion	Ratio	Lower	Upper
112	100		
64	70.8	57.2	85.8
63	47.0	39.8	59.6



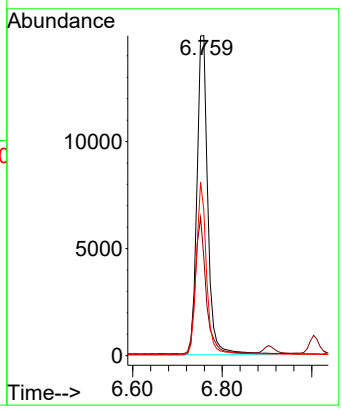


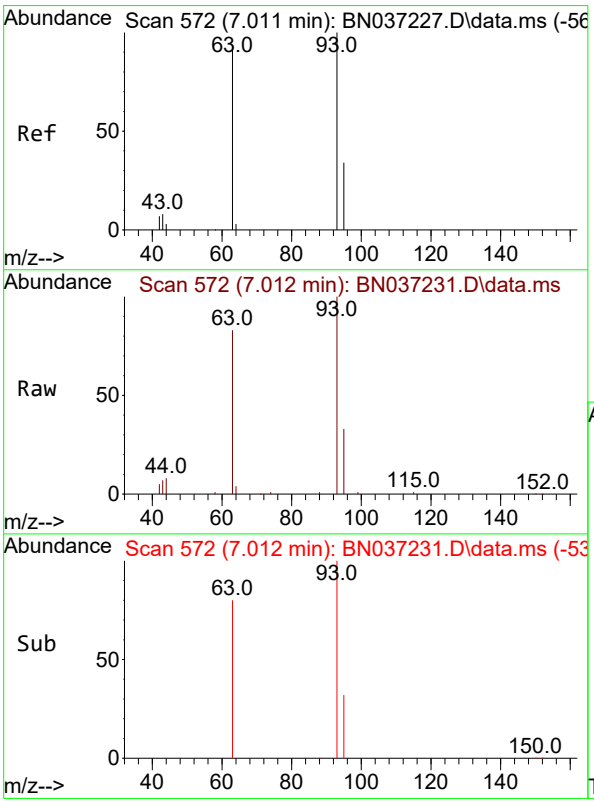
#5
Phenol-d6
Concen: 5.666 ng
RT: 6.759 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 25211

Ion	Ratio	Lower	Upper
99	100		
42	42.3	36.2	54.4
71	50.9	42.4	63.6

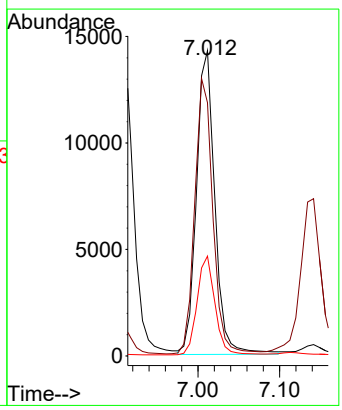


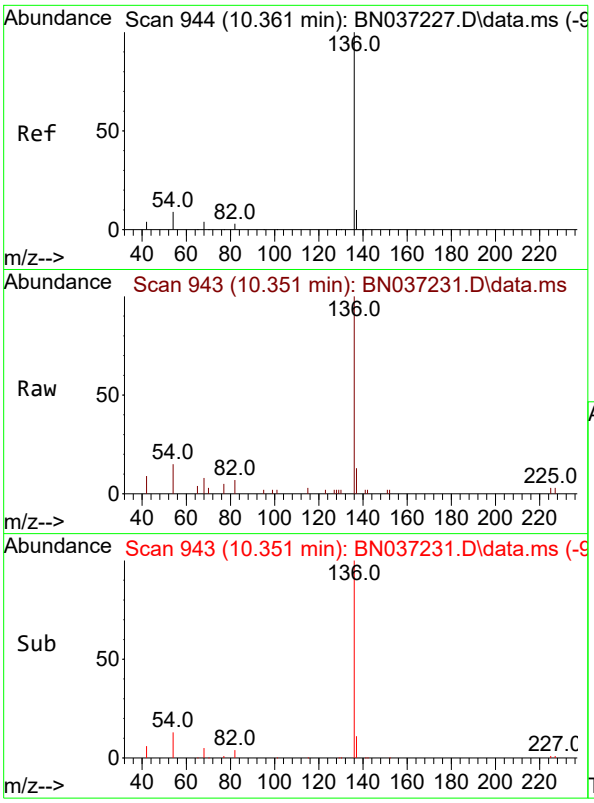


#6
bis(2-Chloroethyl)ether
Concen: 5.609 ng
RT: 7.012 min Scan# 572
Delta R.T. 0.000 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Tgt Ion: 93 Resp: 22354

Ion	Ratio	Lower	Upper
93	100		
63	88.9	75.2	112.8
95	31.6	28.3	42.5



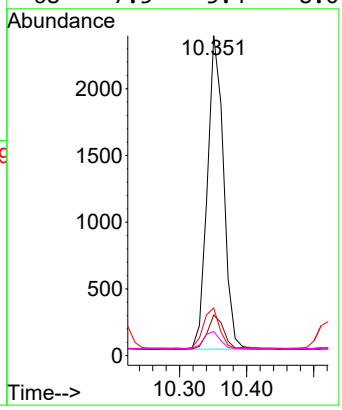


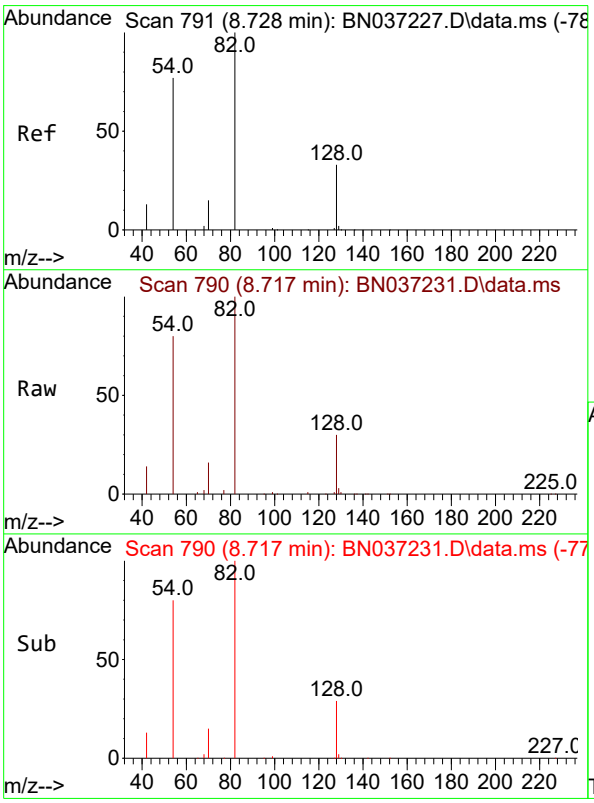
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 3927

Ion	Ratio	Lower	Upper
136	100		
137	12.7	10.6	15.8
54	14.9	9.2	13.8#
68	7.5	5.4	8.0

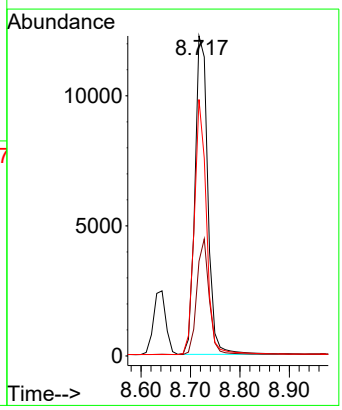


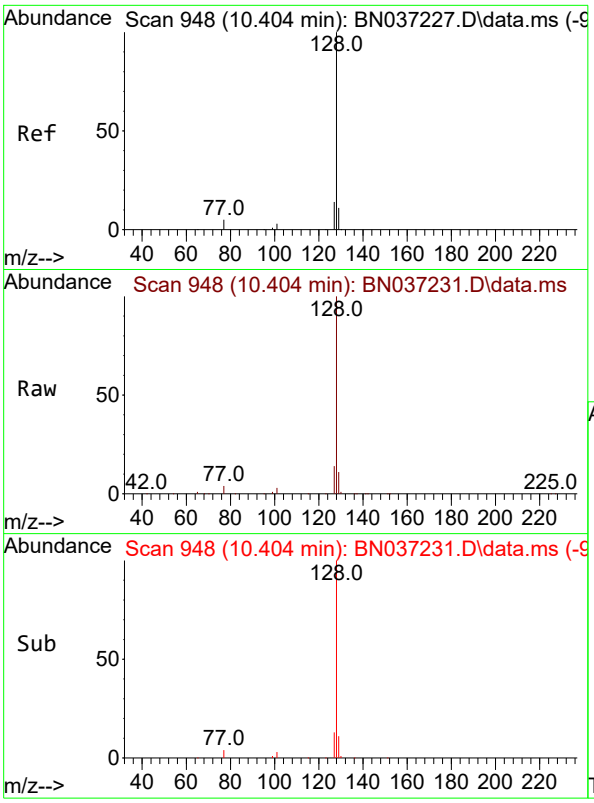


#8
Nitrobenzene-d5
Concen: 5.731 ng
RT: 8.717 min Scan# 790
Delta R.T. -0.011 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Tgt Ion: 82 Resp: 22243

Ion	Ratio	Lower	Upper
82	100		
128	29.6	31.2	46.8#
54	80.1	63.3	94.9



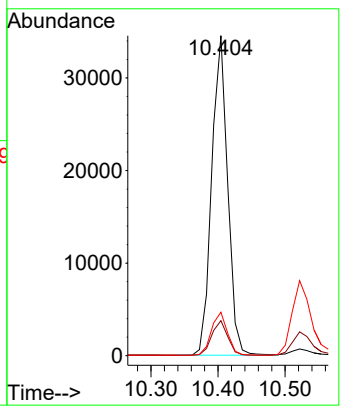


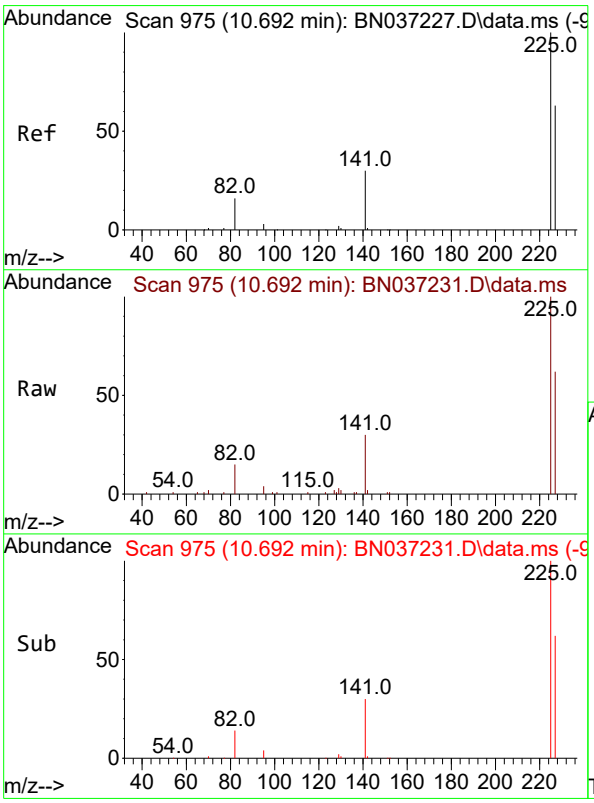
#9
Naphthalene
Concen: 5.002 ng
RT: 10.404 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 56880

Ion	Ratio	Lower	Upper
128	100		
129	10.9	10.7	16.1
127	13.6	12.6	19.0

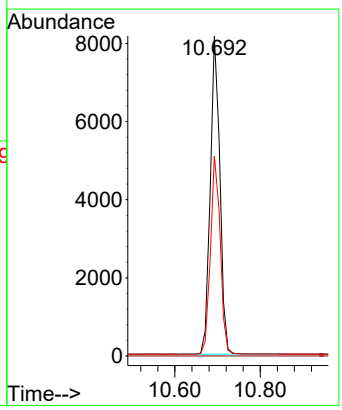


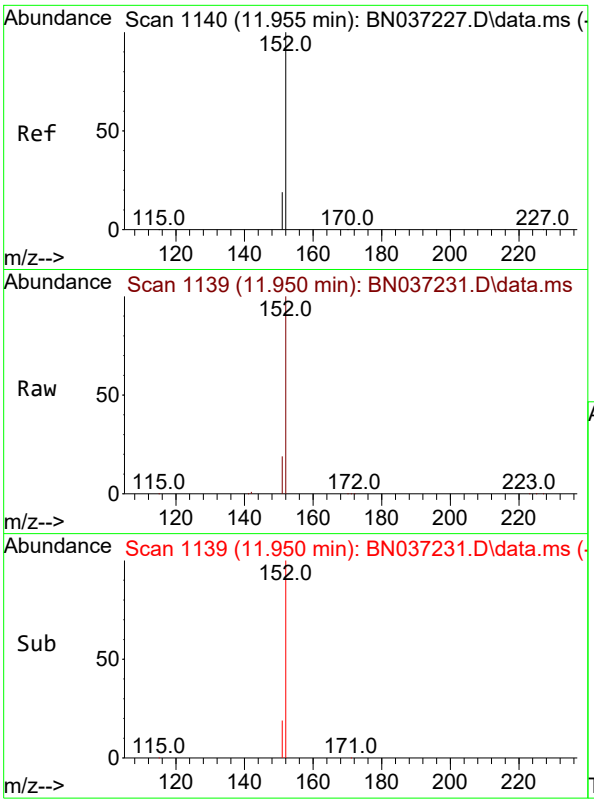


#10
Hexachlorobutadiene
Concen: 4.586 ng
RT: 10.692 min Scan# 975
Delta R.T. 0.000 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Tgt Ion:225 Resp: 12686

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	49.2	73.8



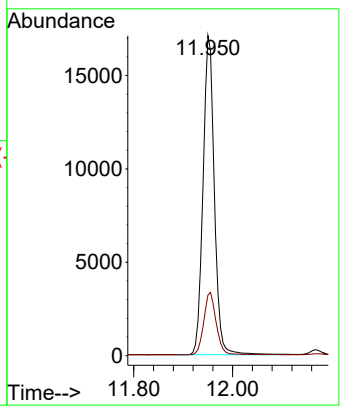


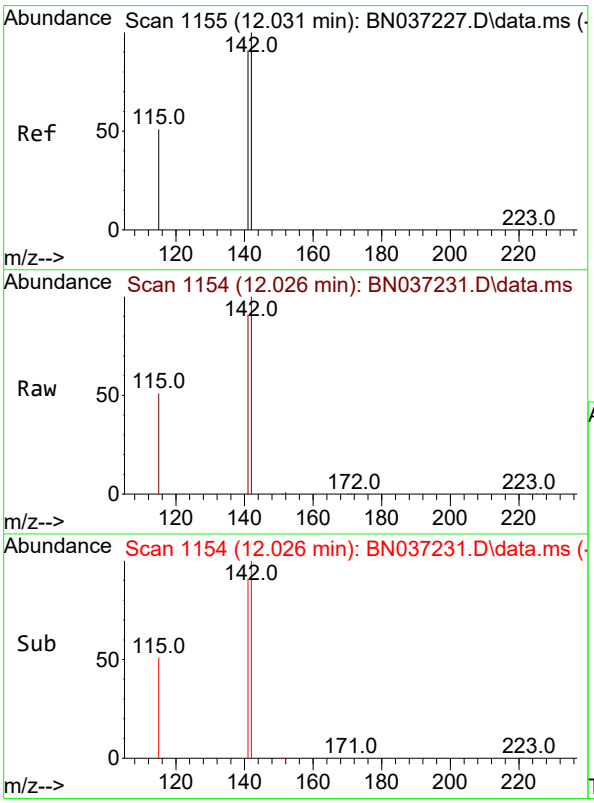
#11
2-Methylnaphthalene-d10
Concen: 5.150 ng
RT: 11.950 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 27140

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.9	26.9

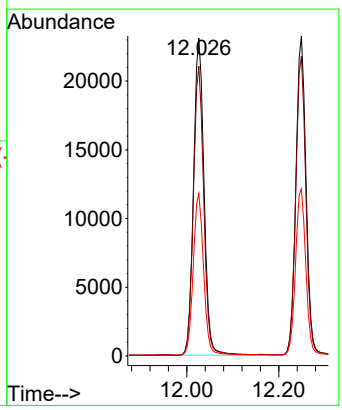


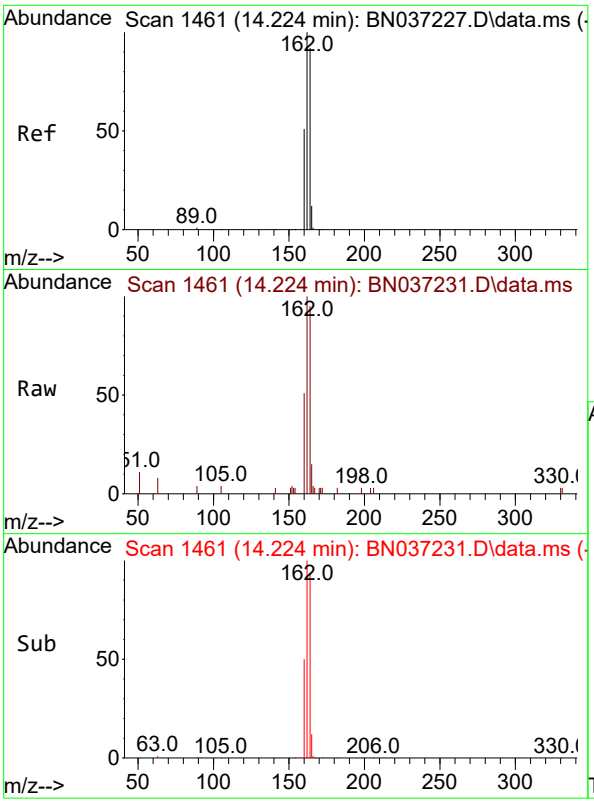


#12
2-Methylnaphthalene
Concen: 5.292 ng
RT: 12.026 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Tgt Ion:142 Resp: 36587

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.0	109.6
115	51.1	43.3	64.9



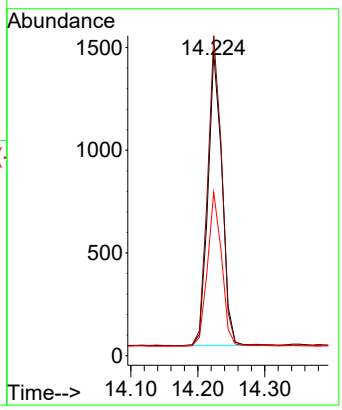


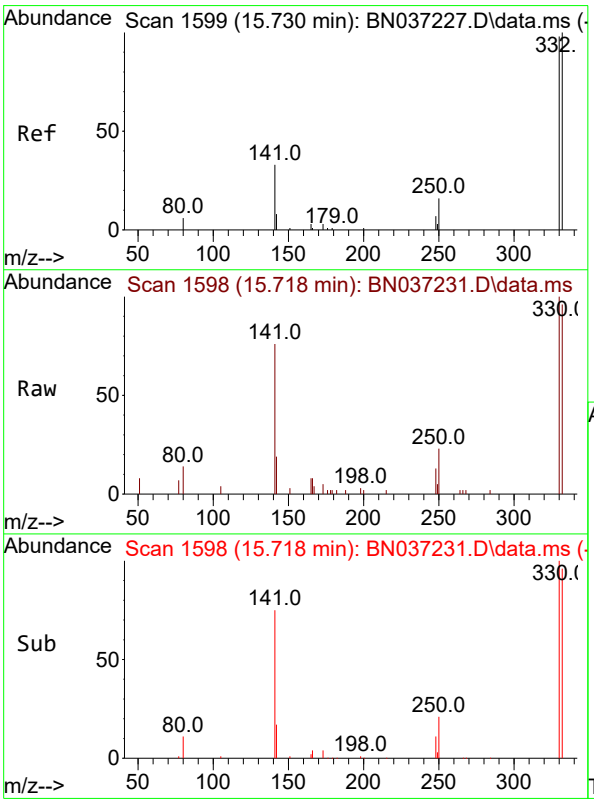
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 2088

Ion	Ratio	Lower	Upper
164	100		
162	105.6	86.7	130.1
160	54.0	45.8	68.6

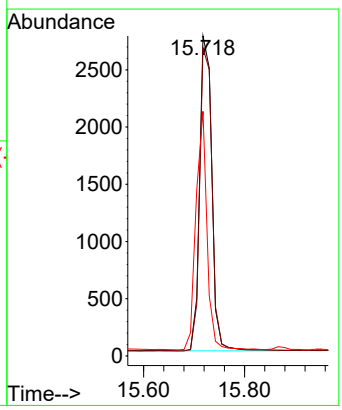


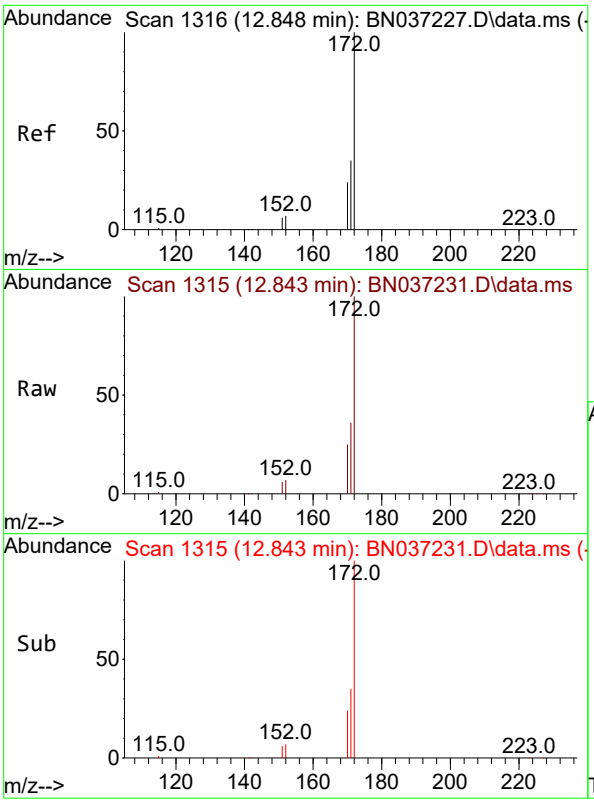


#14
2,4,6-Tribromophenol
Concen: 5.344 ng
RT: 15.718 min Scan# 1598
Delta R.T. -0.012 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Tgt Ion:330 Resp: 4635

Ion	Ratio	Lower	Upper
330	100		
332	97.5	74.9	112.3
141	68.7	45.1	67.7#



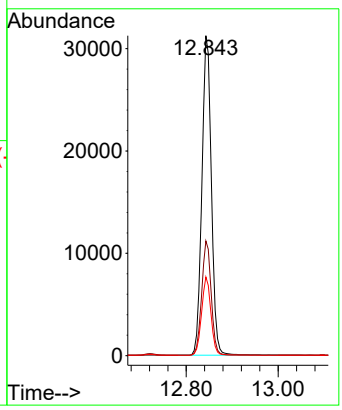


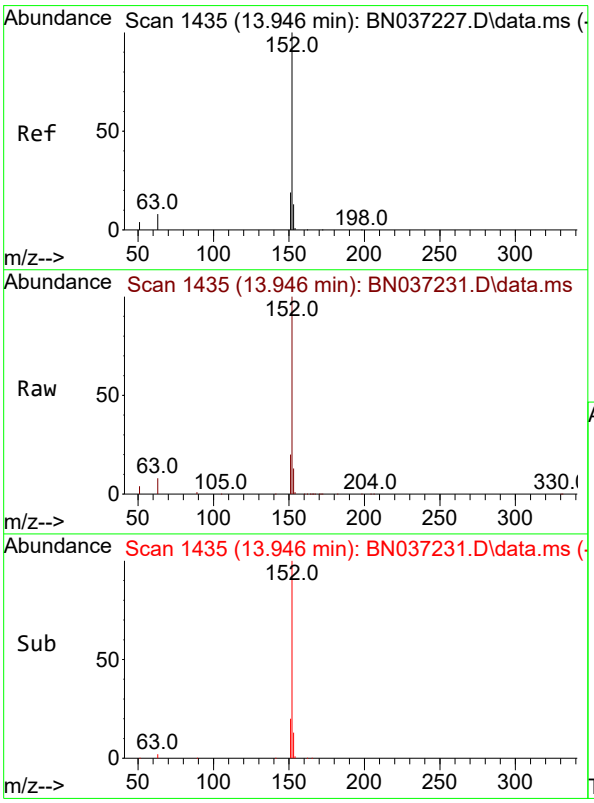
#15
2-Fluorobiphenyl
Concen: 5.103 ng
RT: 12.843 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 44772

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.8	44.8
170	24.6	21.1	31.7

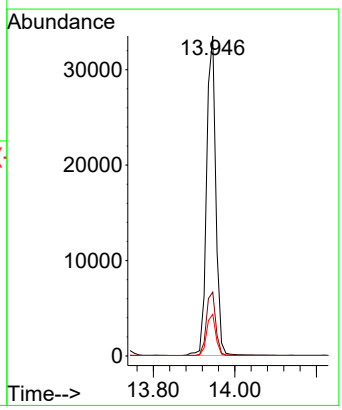


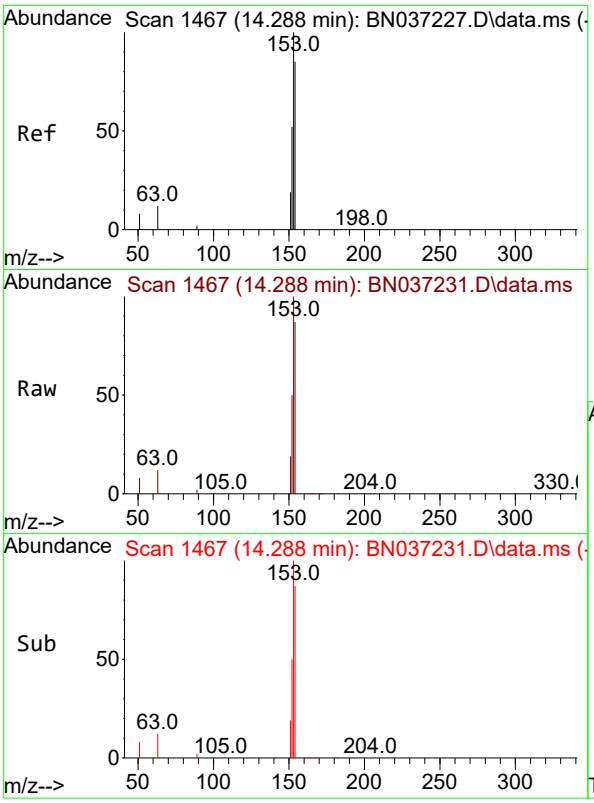


#16
Acenaphthylene
Concen: 5.154 ng
RT: 13.946 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Tgt Ion:152 Resp: 52739

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.7	23.5
153	12.9	10.7	16.1



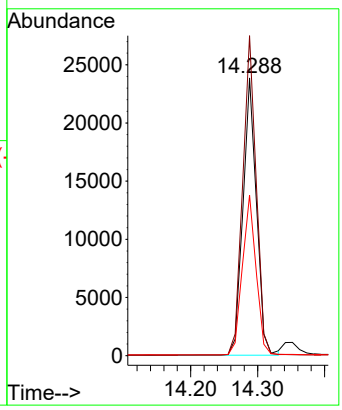


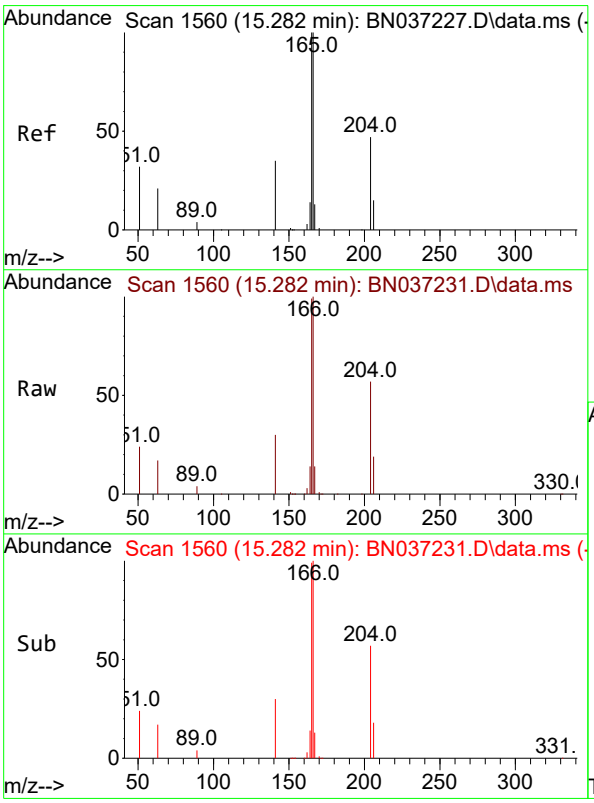
#17
Acenaphthene
Concen: 5.045 ng
RT: 14.288 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 33323

Ion	Ratio	Lower	Upper
154	100		
153	115.1	94.6	141.8
152	58.6	49.6	74.4

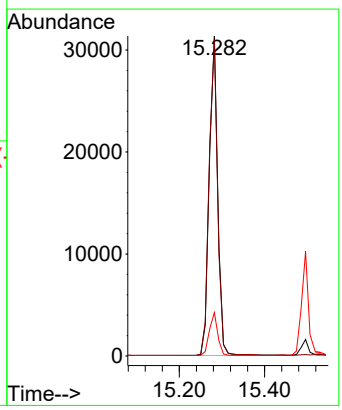


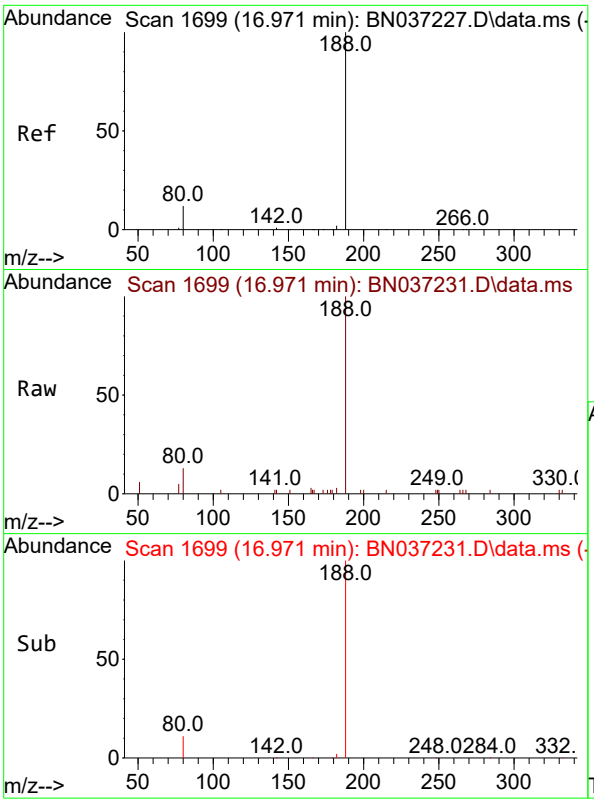


#18
Fluorene
Concen: 5.075 ng
RT: 15.282 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Tgt Ion:166 Resp: 43051

Ion	Ratio	Lower	Upper
166	100		
165	99.9	79.8	119.6
167	13.3	10.8	16.2



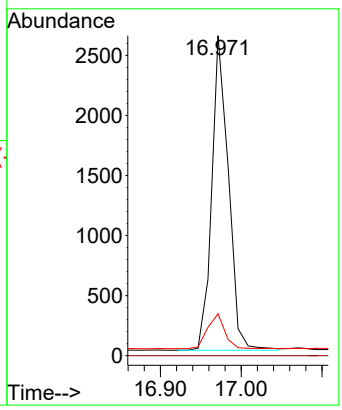


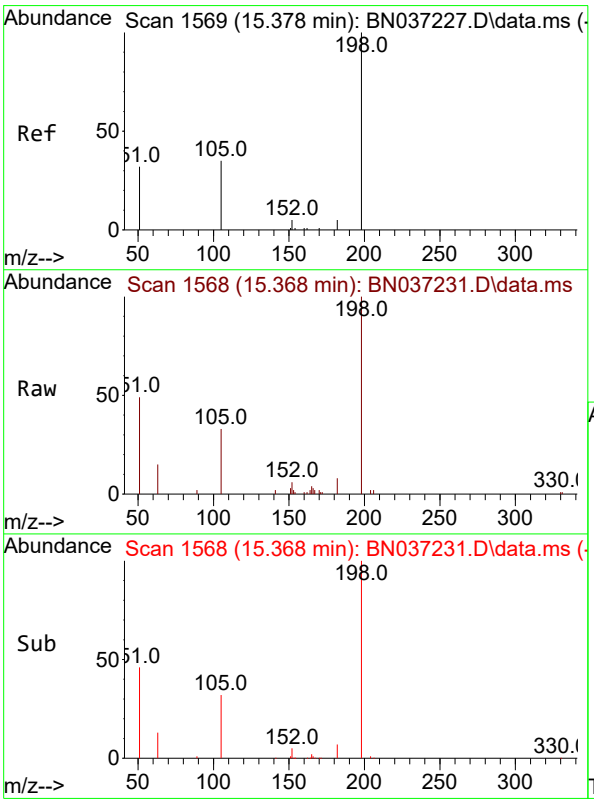
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 3744

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.1	12.2	18.4

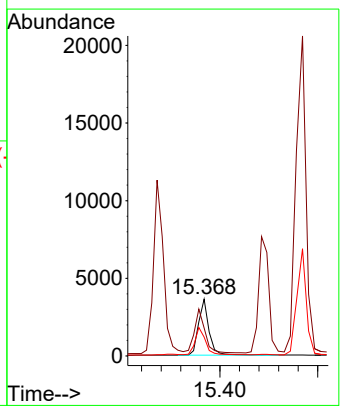


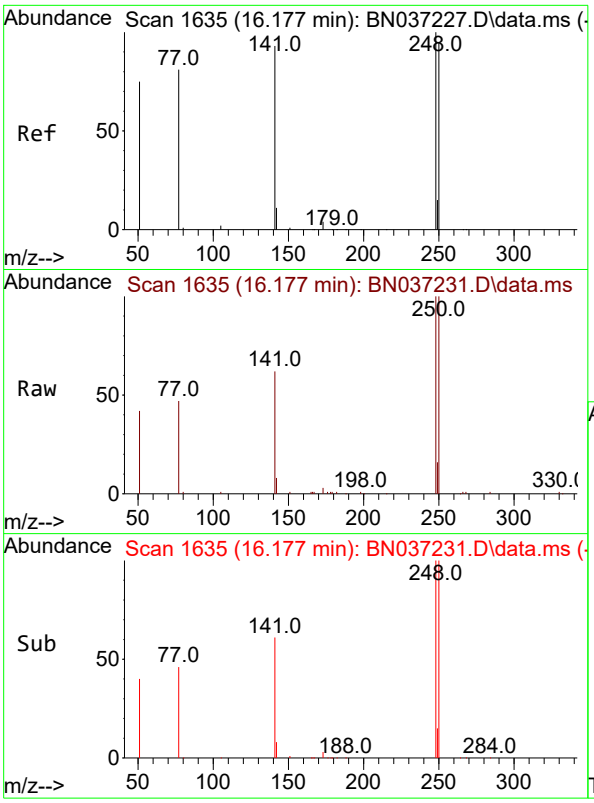


#20
4,6-Dinitro-2-methylphenol
Concen: 4.992 ng
RT: 15.368 min Scan# 1568
Delta R.T. -0.010 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Tgt Ion:198 Resp: 5424

Ion	Ratio	Lower	Upper
198	100		
51	49.4	111.2	166.8#
105	33.2	54.0	81.0#



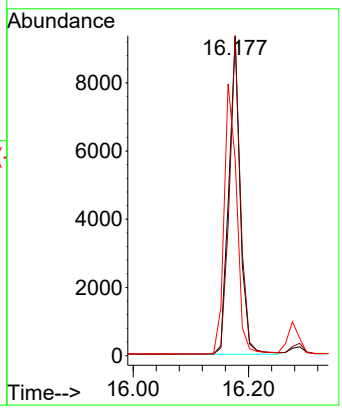


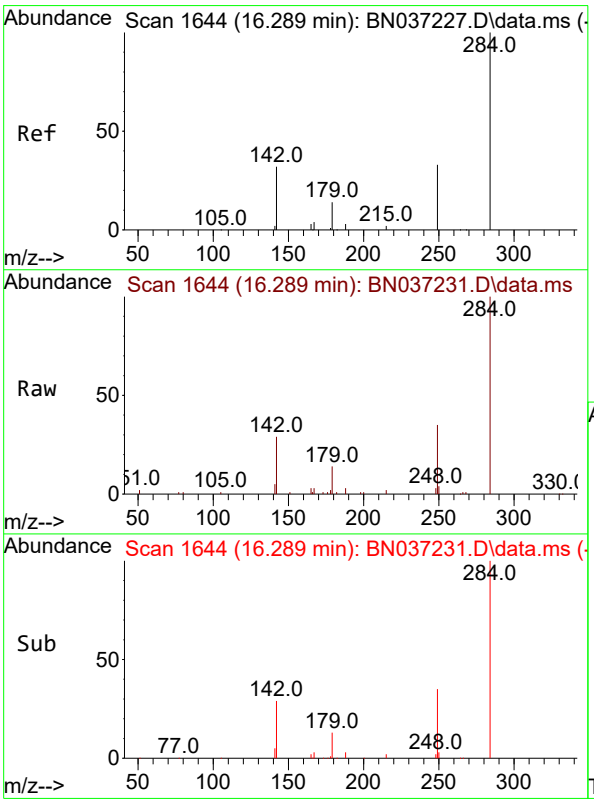
#21
4-Bromophenyl-phenylether
Concen: 5.240 ng
RT: 16.177 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:248 Resp: 12785

Ion	Ratio	Lower	Upper
248	100		
250	100.3	76.8	115.2
141	61.8	75.6	113.4#

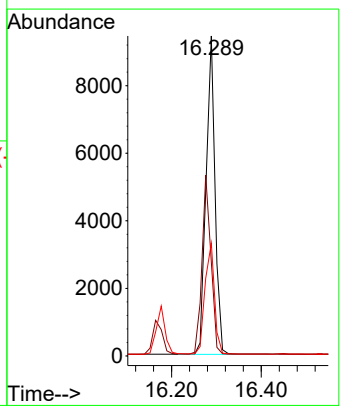


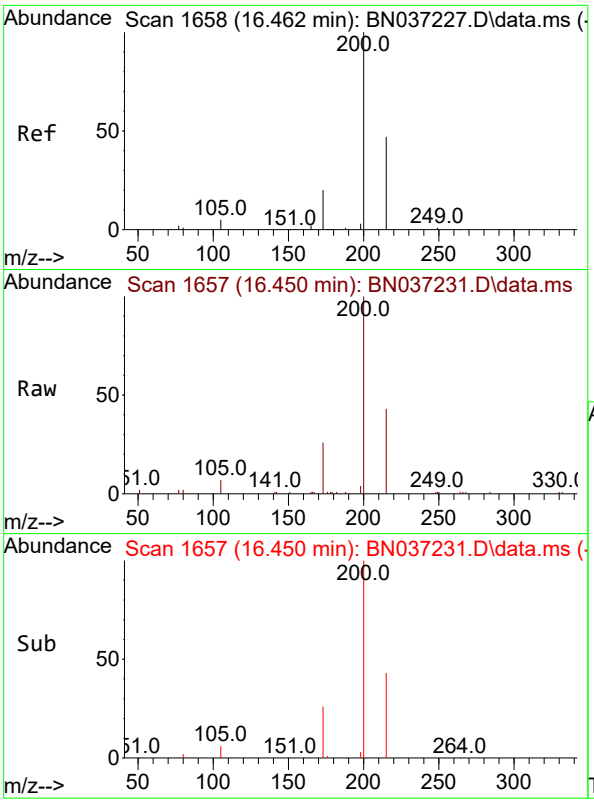


#22
Hexachlorobenzene
Concen: 4.616 ng
RT: 16.289 min Scan# 1644
Delta R.T. 0.000 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Tgt Ion:284 Resp: 13054

Ion	Ratio	Lower	Upper
284	100		
142	56.1	43.8	65.6
249	37.0	28.4	42.6



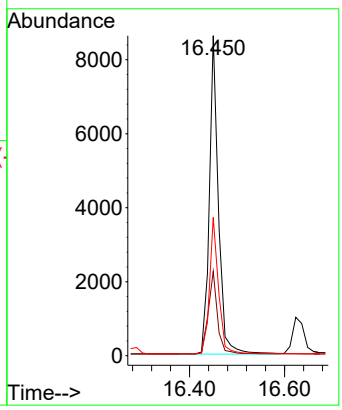


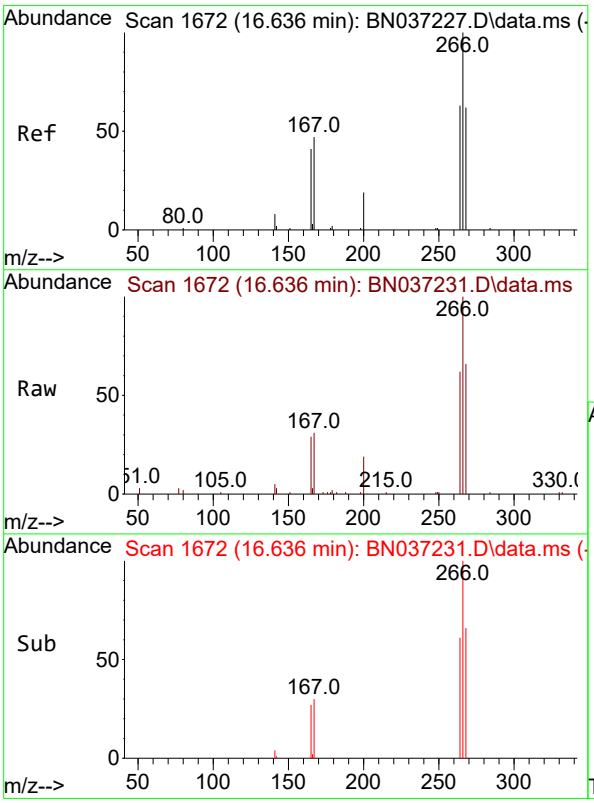
#23
Atrazine
Concen: 5.239 ng
RT: 16.450 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:200 Resp: 11399

Ion	Ratio	Lower	Upper
200	100		
173	26.4	25.1	37.7
215	43.2	43.7	65.5#

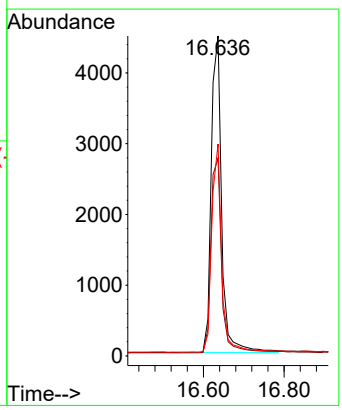


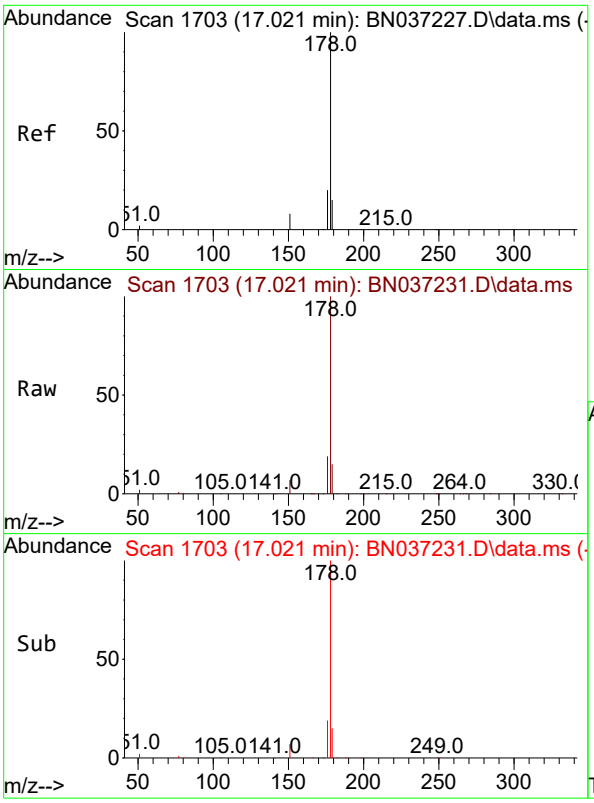


#24
Pentachlorophenol
Concen: 5.782 ng
RT: 16.636 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Tgt Ion:266 Resp: 8014

Ion	Ratio	Lower	Upper
266	100		
264	63.1	49.2	73.8
268	63.1	53.4	80.2



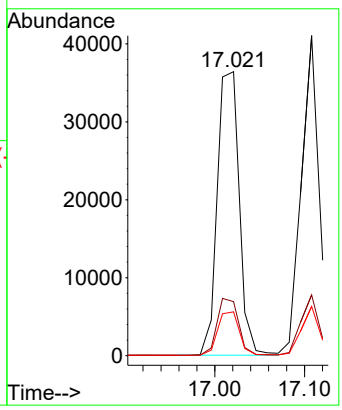


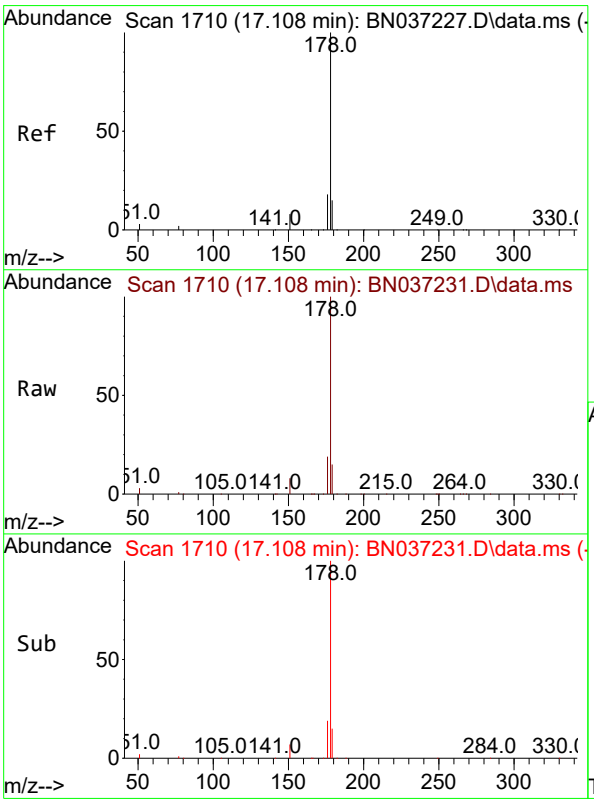
#25
Phenanthrene
Concen: 5.232 ng
RT: 17.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 62123

Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.3	24.5
179	15.2	12.6	18.8

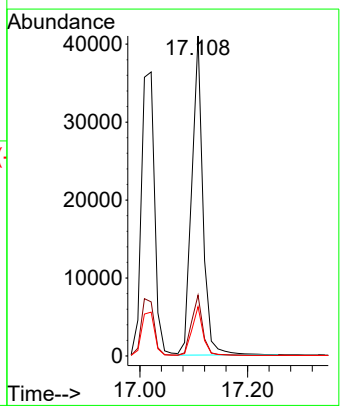


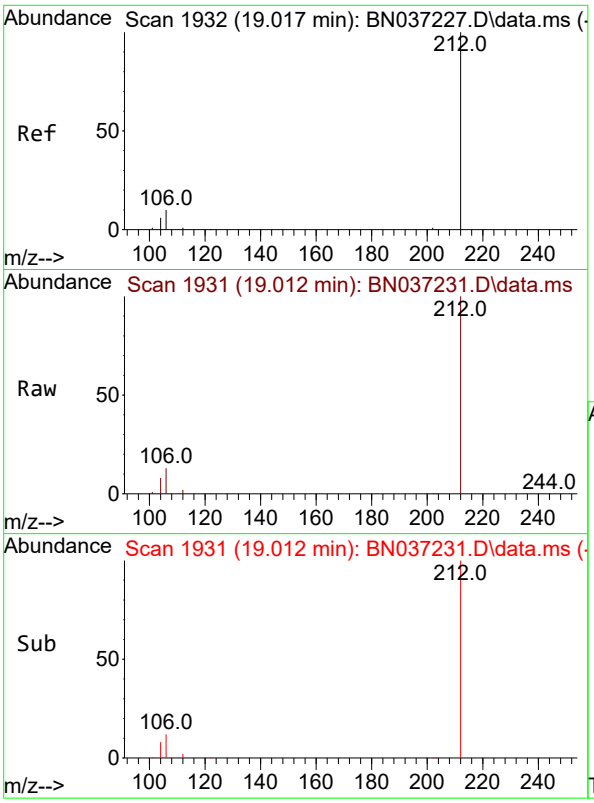


#26
Anthracene
Concen: 5.429 ng
RT: 17.108 min Scan# 1710
Delta R.T. 0.000 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Tgt Ion:178 Resp: 59009

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	15.2	12.4	18.6



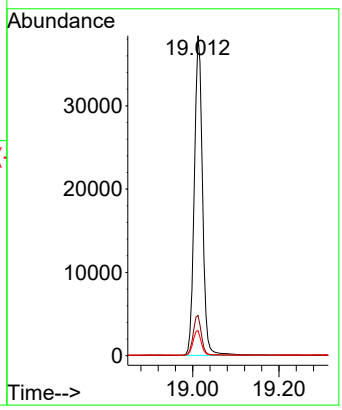


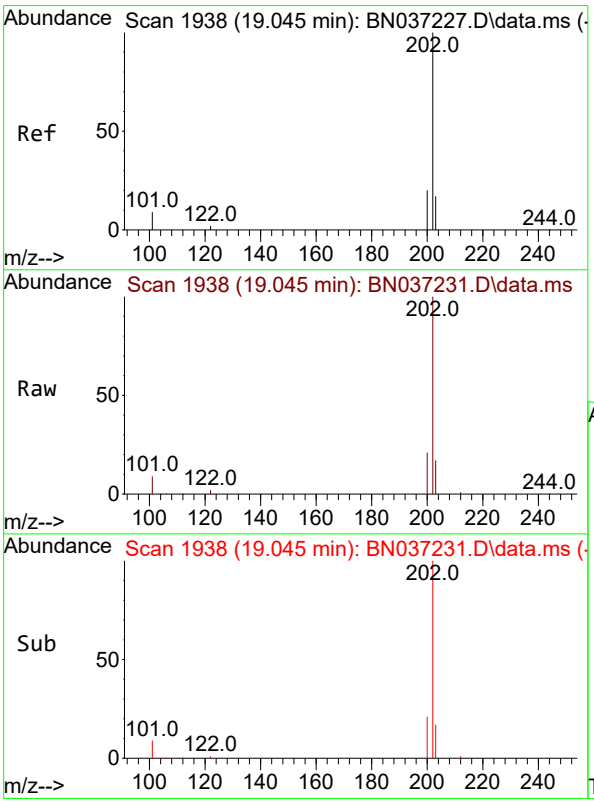
#27
Fluoranthene-d10
Concen: 5.125 ng
RT: 19.012 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 50205

Ion	Ratio	Lower	Upper
212	100		
106	12.6	9.3	13.9
104	7.7	5.7	8.5

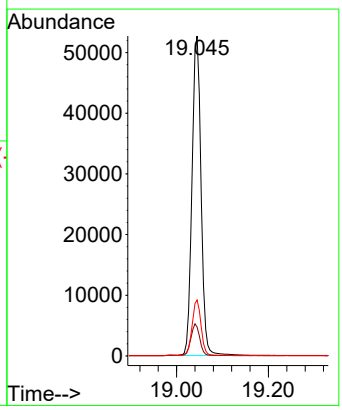


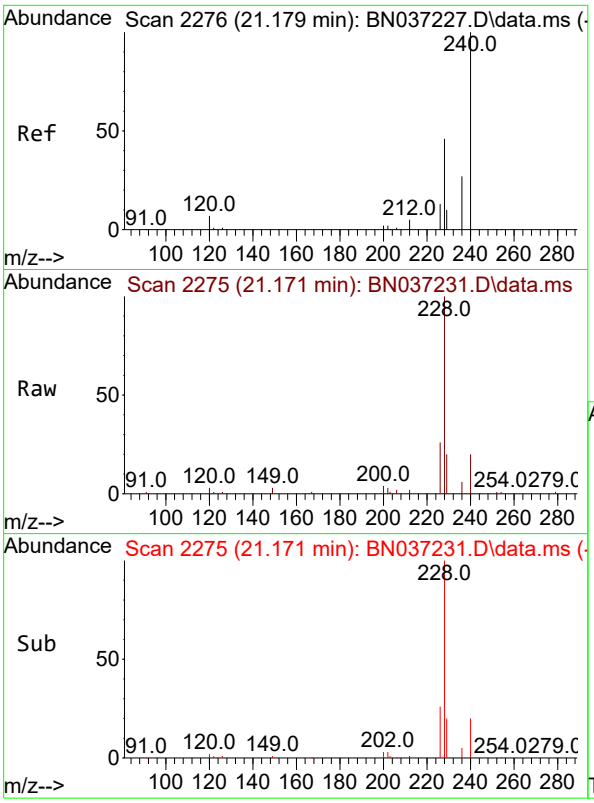


#28
Fluoranthene
Concen: 5.177 ng
RT: 19.045 min Scan# 1938
Delta R.T. 0.000 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Tgt Ion:202 Resp: 71952

Ion	Ratio	Lower	Upper
202	100		
101	10.0	7.1	10.7
203	17.2	13.0	19.6



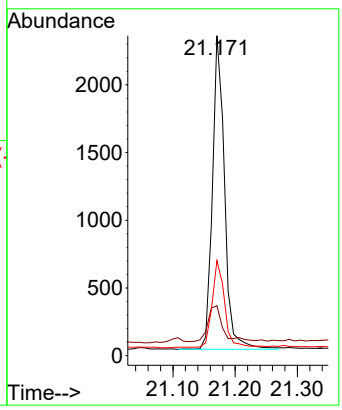


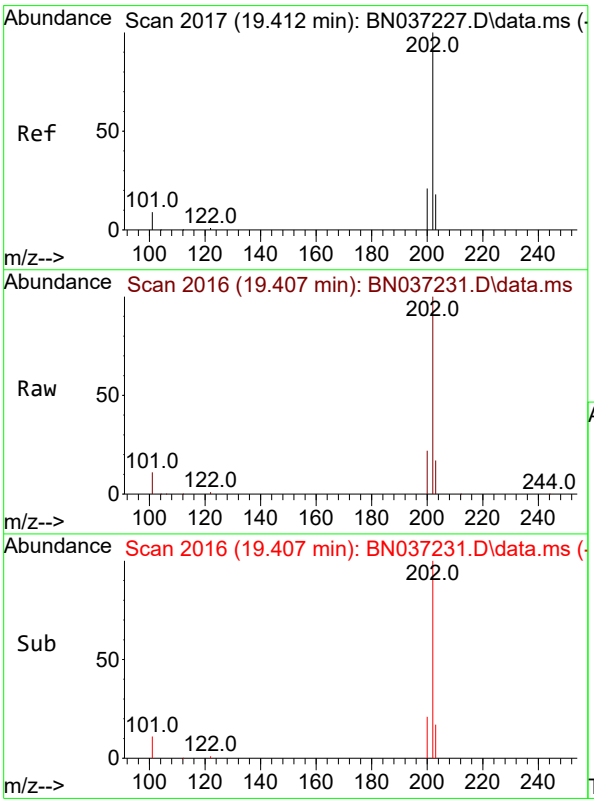
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.171 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 3121

Ion	Ratio	Lower	Upper
240	100		
120	15.6	11.3	16.9
236	29.7	24.4	36.6

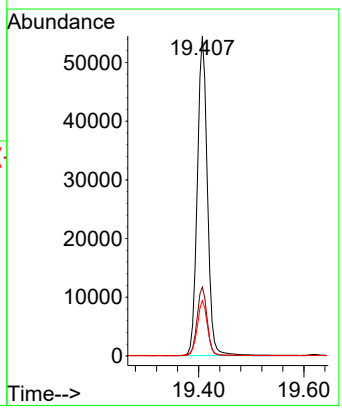


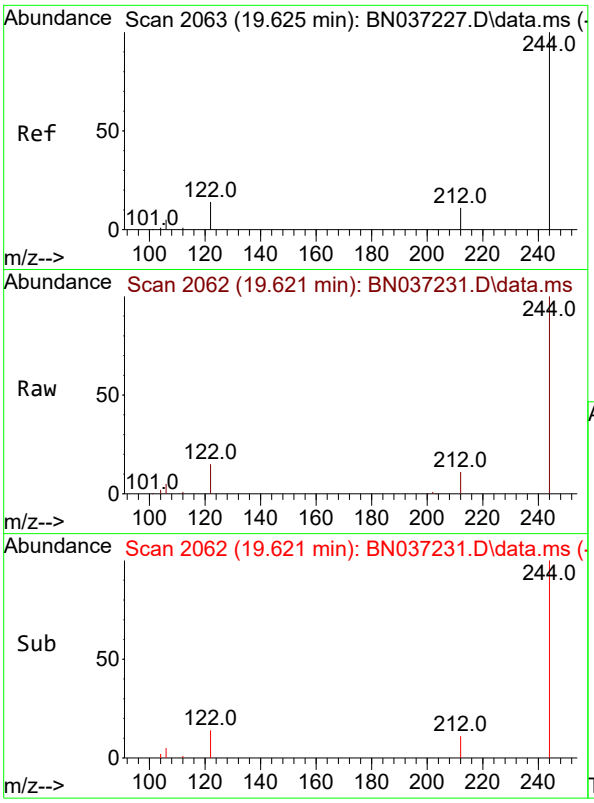


#30
Pyrene
Concen: 4.930 ng
RT: 19.407 min Scan# 2016
Delta R.T. -0.005 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Tgt Ion:202 Resp: 72342

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.2	25.8
203	17.6	14.3	21.5



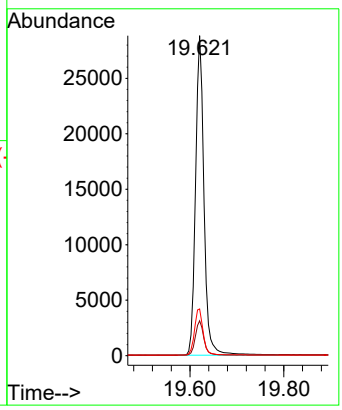


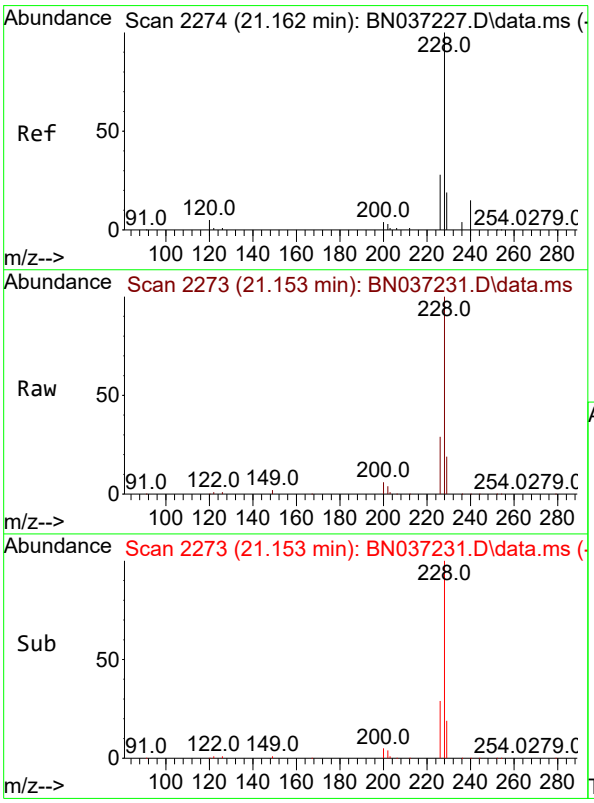
#31
Terphenyl-d14
Concen: 5.111 ng
RT: 19.621 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 36062

Ion	Ratio	Lower	Upper
244	100		
212	10.9	12.2	18.2#
122	14.6	14.3	21.5

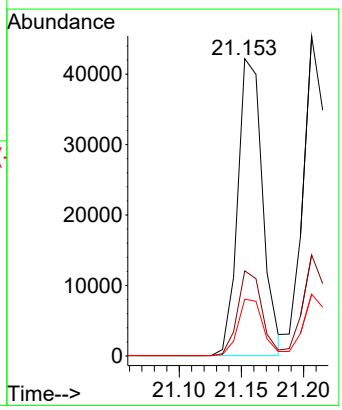


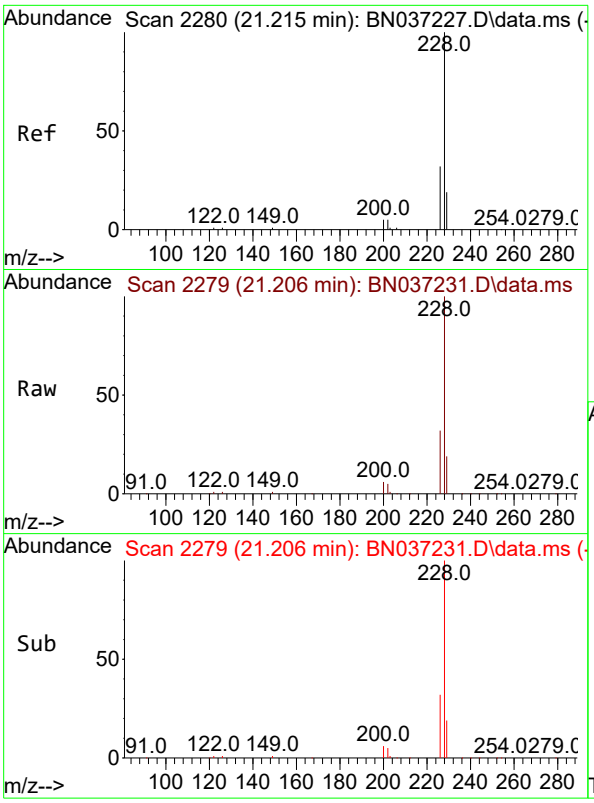


#32
Benzo(a)anthracene
Concen: 5.551 ng
RT: 21.153 min Scan# 2273
Delta R.T. -0.009 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Tgt Ion:228 Resp: 58498

Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.8	35.8
229	19.1	17.0	25.4



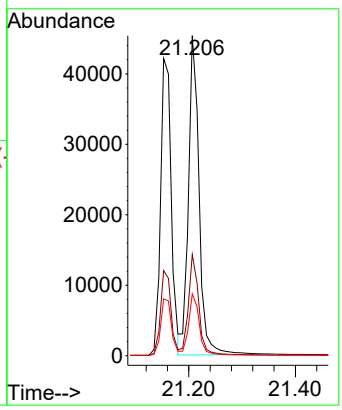


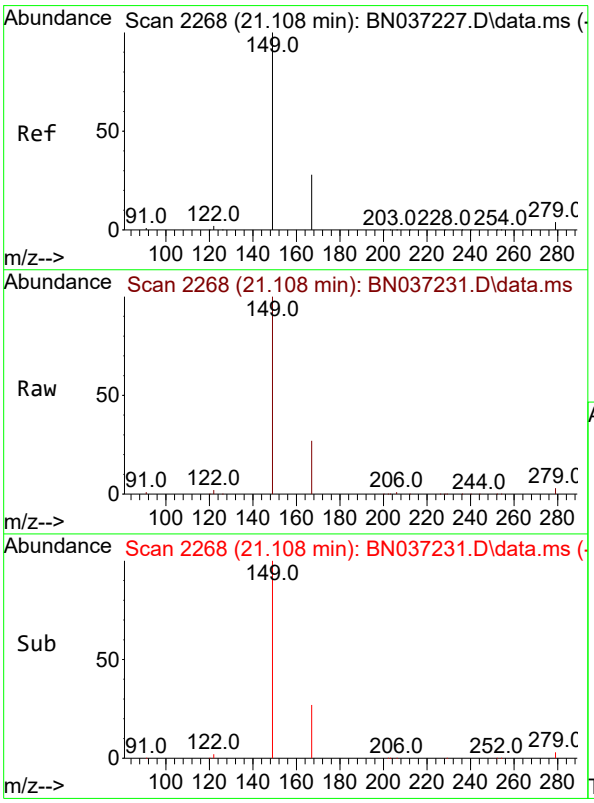
#33
Chrysene
Concen: 4.803 ng
RT: 21.206 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 63057

Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.8	38.6
229	19.3	17.0	25.4

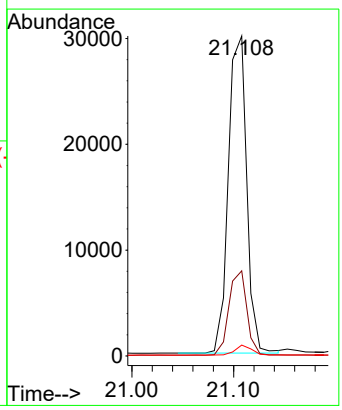


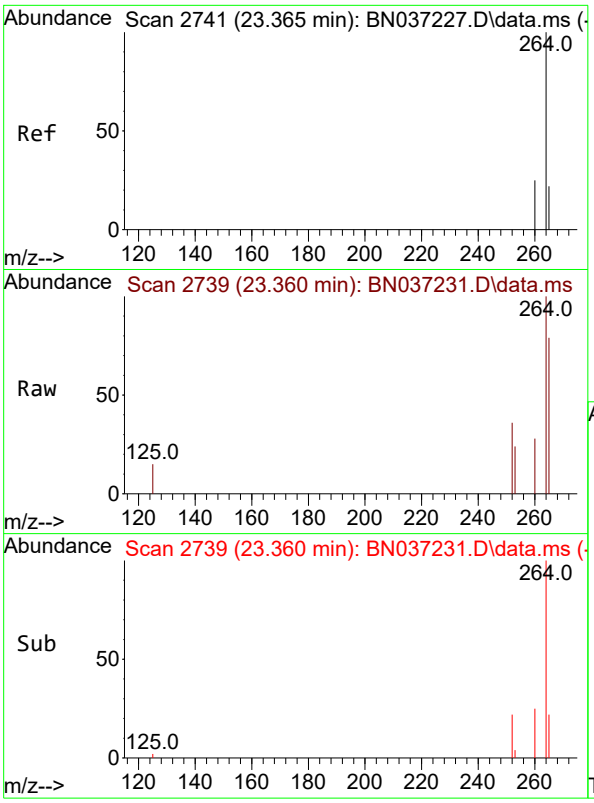


#34
Bis(2-ethylhexyl)phthalate
Concen: 4.774 ng
RT: 21.108 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Tgt Ion:149 Resp: 37466

Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.3	31.9
279	2.9	3.3	4.9#



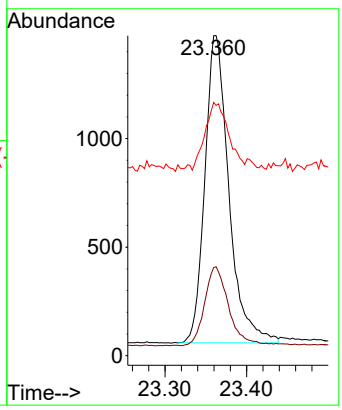


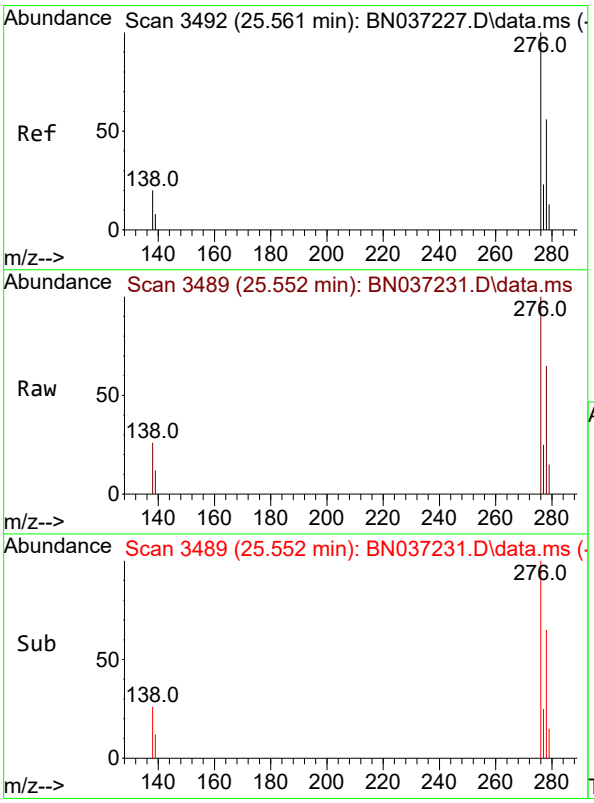
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.360 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:264 Resp: 2895

Ion	Ratio	Lower	Upper
264	100		
260	27.5	22.8	34.2
265	79.2	66.4	99.6

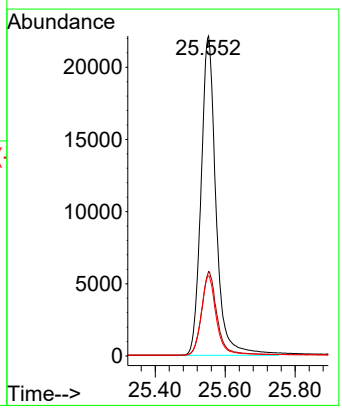


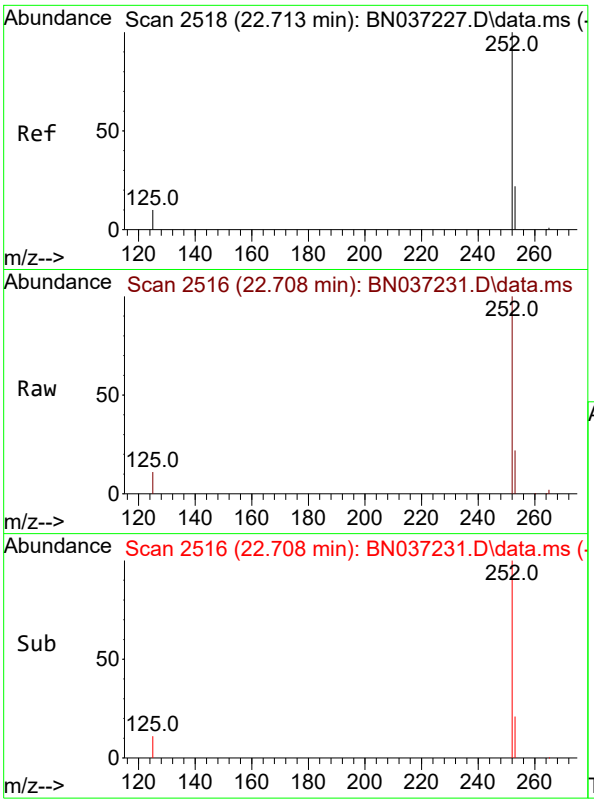


#36
Indeno(1,2,3-cd)pyrene
Concen: 5.620 ng
RT: 25.552 min Scan# 3489
Delta R.T. -0.009 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Tgt Ion:276 Resp: 65610

Ion	Ratio	Lower	Upper
276	100		
138	26.6	16.8	25.2#
277	24.9	19.5	29.3



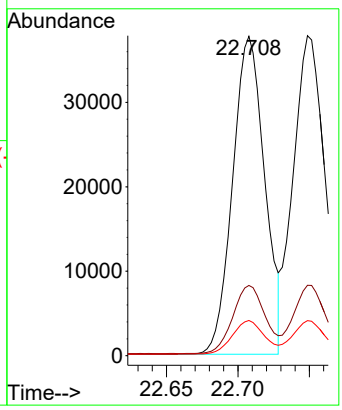


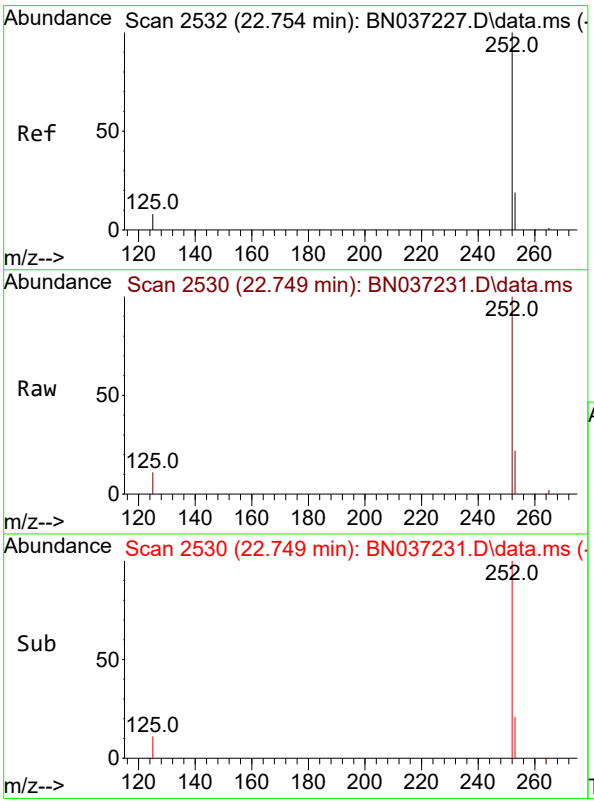
#37
Benzo(b)fluoranthene
Concen: 5.536 ng
RT: 22.708 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 58631

Ion	Ratio	Lower	Upper
252	100		
253	22.0	24.9	37.3#
125	11.0	12.9	19.3#

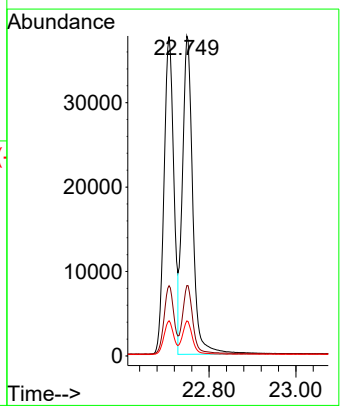


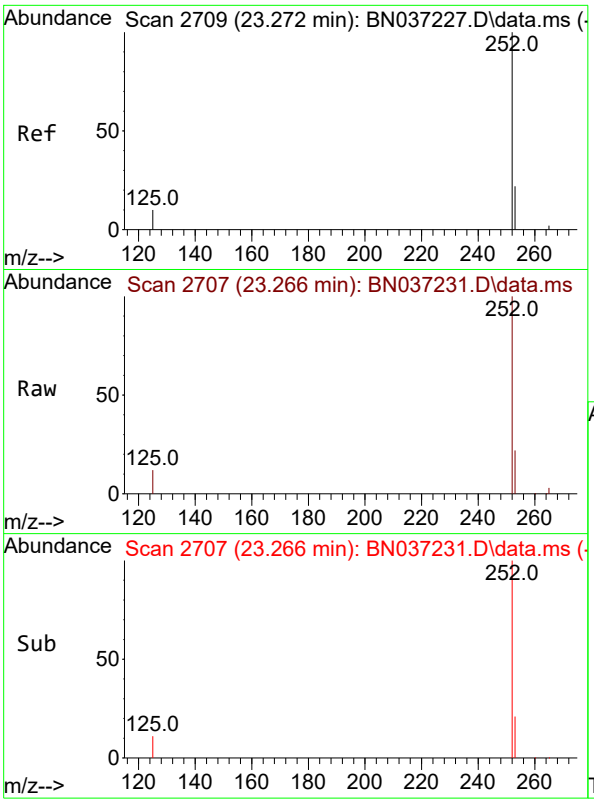


#38
Benzo(k)fluoranthene
Concen: 5.148 ng
RT: 22.749 min Scan# 2530
Delta R.T. -0.006 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Tgt Ion:252 Resp: 62537

Ion	Ratio	Lower	Upper
252	100		
253	22.0	24.6	37.0#
125	11.0	13.4	20.2#



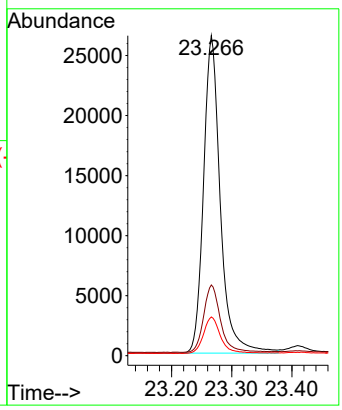


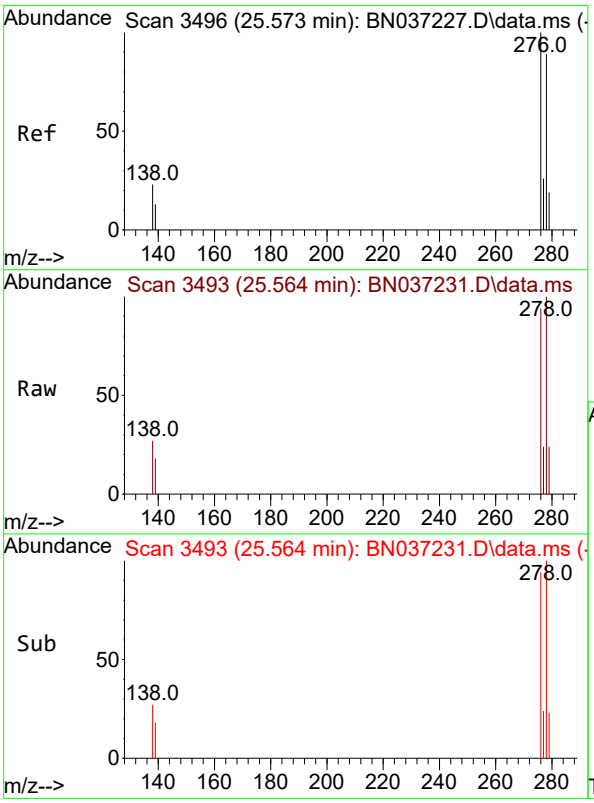
#39
Benzo(a)pyrene
Concen: 5.368 ng
RT: 23.266 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 51138

Ion	Ratio	Lower	Upper
252	100		
253	22.1	29.4	44.2#
125	12.1	16.2	24.2#

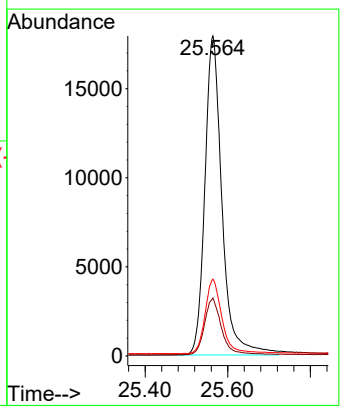


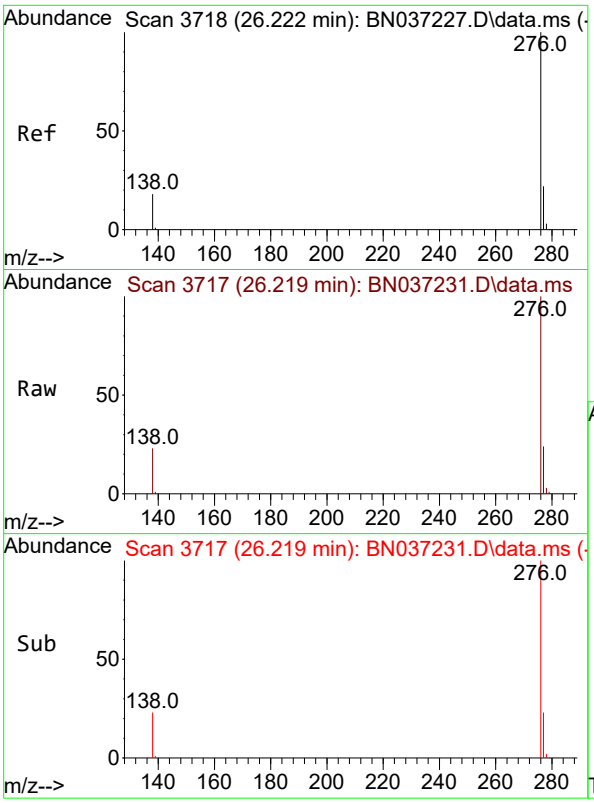


#40
Dibenzo(a,h)anthracene
Concen: 5.871 ng
RT: 25.564 min Scan# 3493
Delta R.T. -0.009 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Tgt Ion:278 Resp: 51648

Ion	Ratio	Lower	Upper
278	100		
139	18.1	17.8	26.6
279	24.0	31.3	46.9#



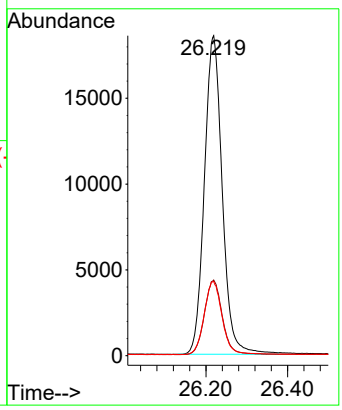


#41
Benzo(g,h,i)perylene
Concen: 5.204 ng
RT: 26.219 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037231.D
Acq: 13 Jun 2025 17:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 56339

Ion	Ratio	Lower	Upper
276	100		
277	23.7	22.0	33.0
138	23.2	18.4	27.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037232.D
Acq On : 13 Jun 2025 17:47
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Quant Time: Jun 13 18:44:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.582	152	1986	0.400	ng		0.00
7) Naphthalene-d8	10.351	136	4902	0.400	ng		#-0.01
13) Acenaphthene-d10	14.224	164	2552	0.400	ng		0.00
19) Phenanthrene-d10	16.971	188	4515	0.400	ng		0.00
29) Chrysene-d12	21.180	240	3230	0.400	ng		0.00
35) Perylene-d12	23.366	264	3076	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	1716	0.352	ng		0.00
5) Phenol-d6	6.759	99	1849	0.360	ng		0.00
8) Nitrobenzene-d5	8.728	82	1988	0.410	ng		0.00
11) 2-Methylnaphthalene-d10	11.955	152	2615	0.398	ng		0.00
14) 2,4,6-Tribromophenol	15.730	330	327	0.308	ng		0.00
15) 2-Fluorobiphenyl	12.848	172	4427	0.413	ng		0.00
27) Fluoranthene-d10	19.017	212	4358	0.369	ng		0.00
31) Terphenyl-d14	19.625	244	3044	0.417	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.104	88	1095	0.402	ng		91
3) n-Nitrosodimethylamine	3.422	42	2259	0.364	ng	#	91
6) bis(2-Chloroethyl)ether	7.012	93	2110	0.458	ng		89
9) Naphthalene	10.404	128	5483	0.386	ng		97
10) Hexachlorobutadiene	10.693	225	1319	0.382	ng	#	97
12) 2-Methylnaphthalene	12.026	142	3073	0.356	ng		99
16) Acenaphthylene	13.946	152	5109	0.409	ng		98
17) Acenaphthene	14.288	154	3050	0.378	ng		99
18) Fluorene	15.282	166	3826	0.369	ng		100
20) 4,6-Dinitro-2-methylph...	15.378	198	326	0.392	ng		92
21) 4-Bromophenyl-phenylether	16.177	248	1082	0.368	ng		97
22) Hexachlorobenzene	16.289	284	1296	0.380	ng		98
23) Atrazine	16.450	200	1004	0.383	ng		89
24) Pentachlorophenol	16.636	266	540	0.323	ng		95
25) Phenanthrene	17.021	178	5458	0.381	ng		99
26) Anthracene	17.108	178	4934	0.376	ng		100
28) Fluoranthene	19.045	202	5935	0.354	ng		98
30) Pyrene	19.407	202	5948	0.392	ng		100
32) Benzo(a)anthracene	21.162	228	4183	0.384	ng		99
33) Chrysene	21.215	228	5302	0.390	ng		98
34) Bis(2-ethylhexyl)phtha...	21.108	149	3027	0.373	ng		100
36) Indeno(1,2,3-cd)pyrene	25.558	276	4825	0.389	ng		99
37) Benzo(b)fluoranthene	22.711	252	4122	0.366	ng		96
38) Benzo(k)fluoranthene	22.752	252	4721	0.363	ng		98
39) Benzo(a)pyrene	23.272	252	4086	0.404	ng	#	93
40) Dibenzo(a,h)anthracene	25.573	278	3443	0.365	ng		94
41) Benzo(g,h,i)perylene	26.219	276	4068	0.354	ng		97

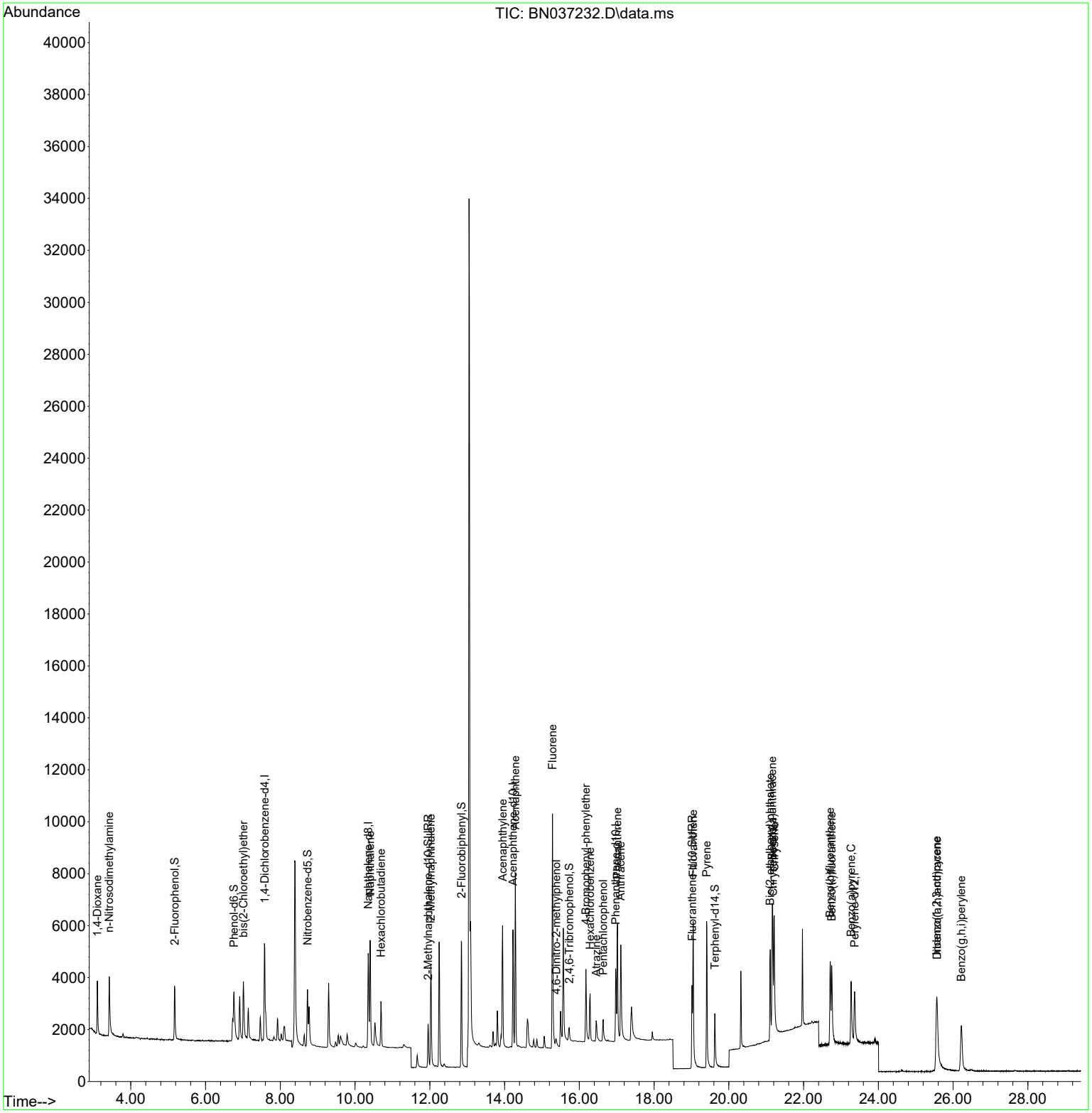
(#) = qualifier out of range (m) = manual integration (+) = signals summed

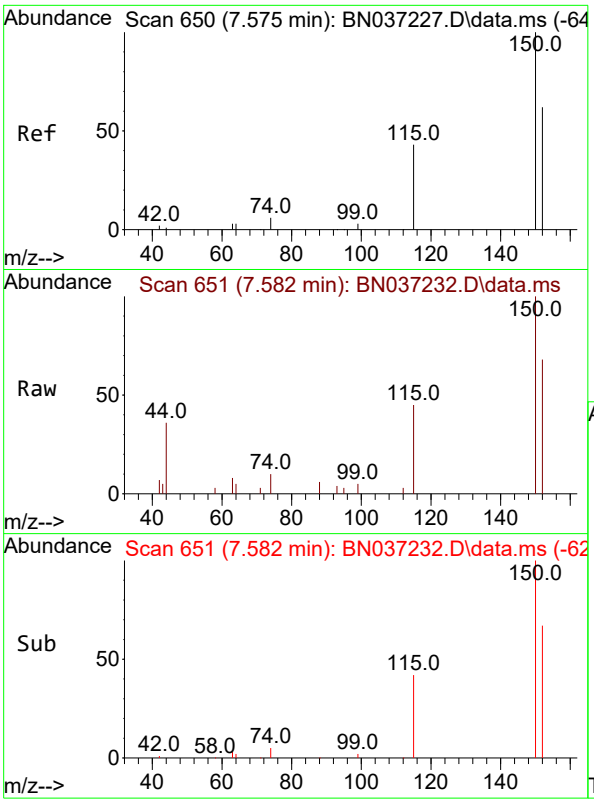
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037232.D
Acq On : 13 Jun 2025 17:47
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Quant Time: Jun 13 18:44:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration



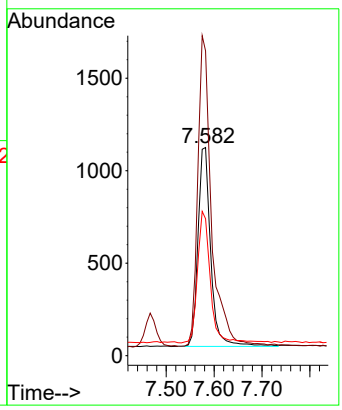


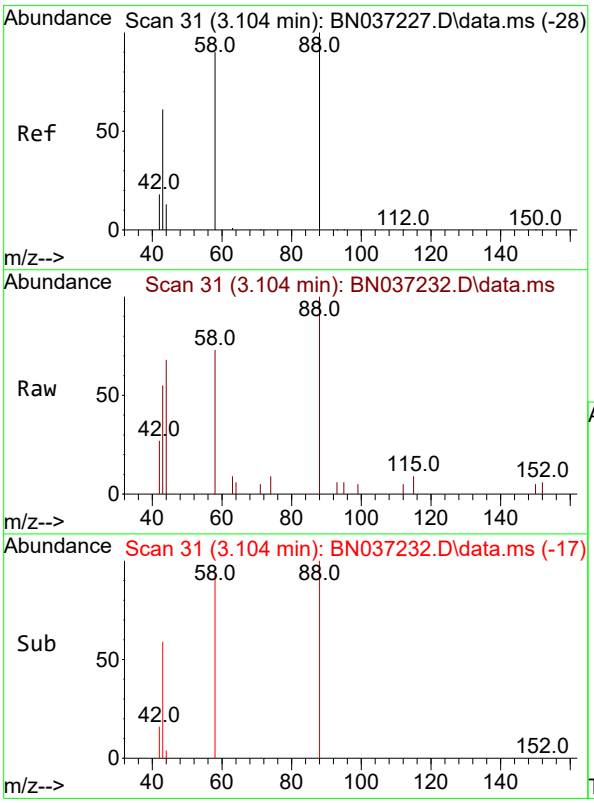
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.582 min Scan# 6
Delta R.T. 0.007 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:152 Resp: 1986

Ion	Ratio	Lower	Upper
152	100		
150	146.5	125.2	187.8
115	65.8	58.4	87.6

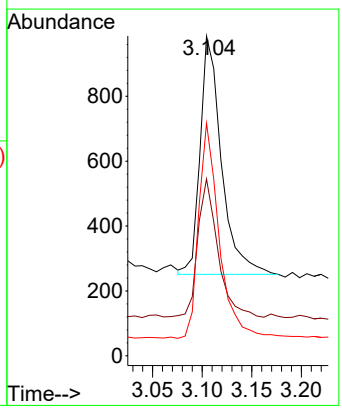


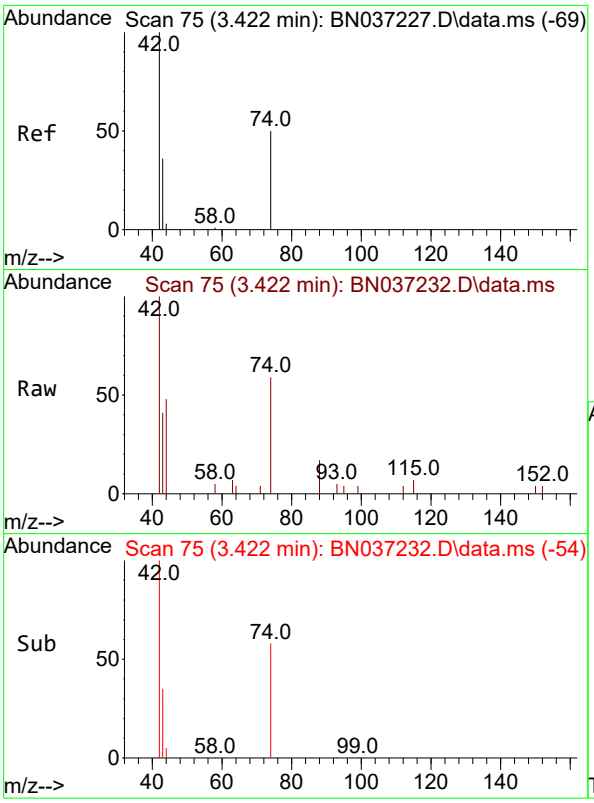


#2
1,4-Dioxane
Concen: 0.402 ng
RT: 3.104 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion: 88 Resp: 1095

Ion	Ratio	Lower	Upper
88	100		
43	54.6	52.6	79.0
58	86.8	73.5	110.3



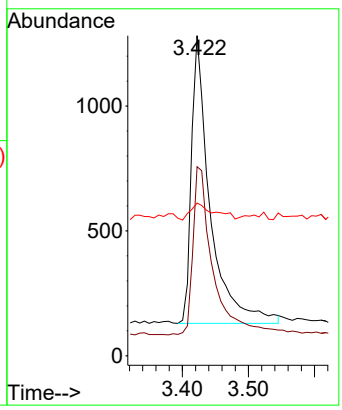


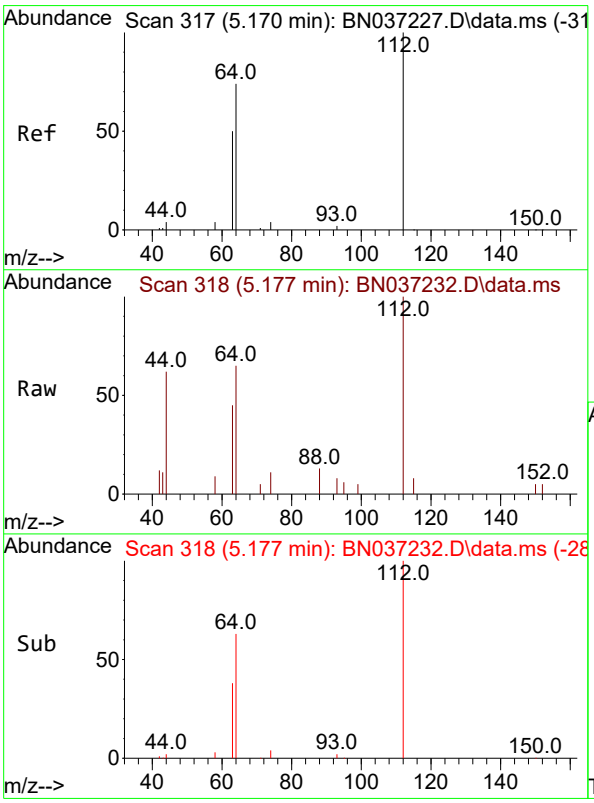
#3
n-Nitrosodimethylamine
Concen: 0.364 ng
RT: 3.422 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion: 42 Resp: 2259

Ion	Ratio	Lower	Upper
42	100		
74	62.0	44.6	66.8
44	7.5	3.5	5.3#

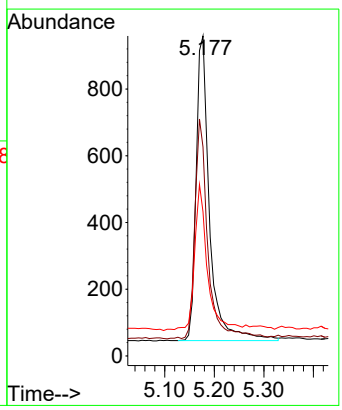


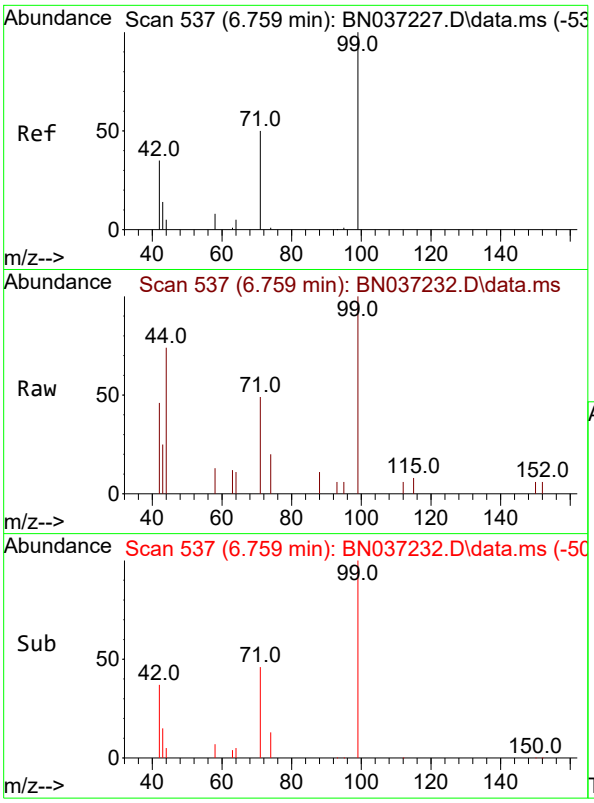


#4
2-Fluorophenol
Concen: 0.352 ng
RT: 5.177 min Scan# 318
Delta R.T. 0.007 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:112 Resp: 1716

Ion	Ratio	Lower	Upper
112	100		
64	70.6	57.2	85.8
63	45.6	39.8	59.6



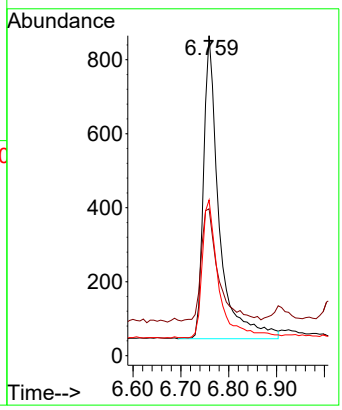


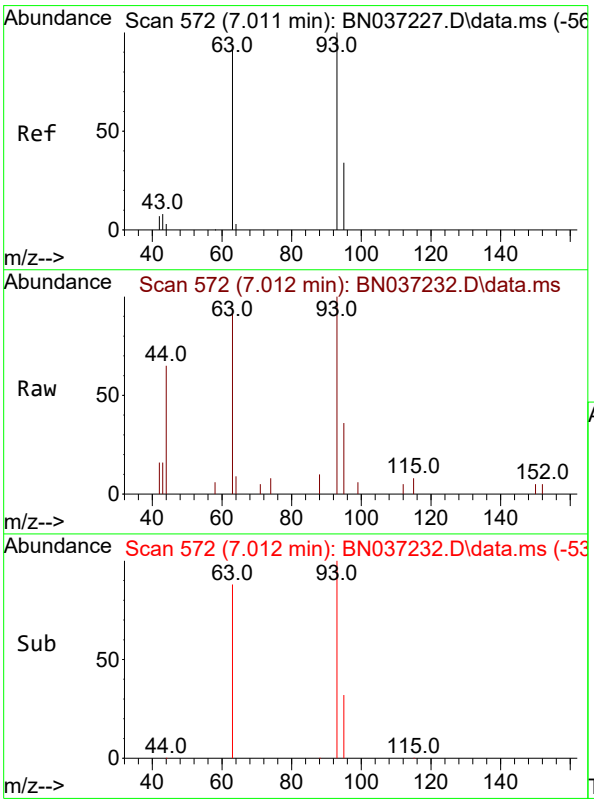
#5
Phenol-d6
Concen: 0.360 ng
RT: 6.759 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion: 99 Resp: 1849

Ion	Ratio	Lower	Upper
99	100		
42	40.9	36.2	54.4
71	48.2	42.4	63.6

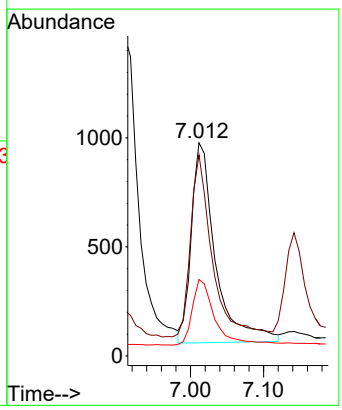


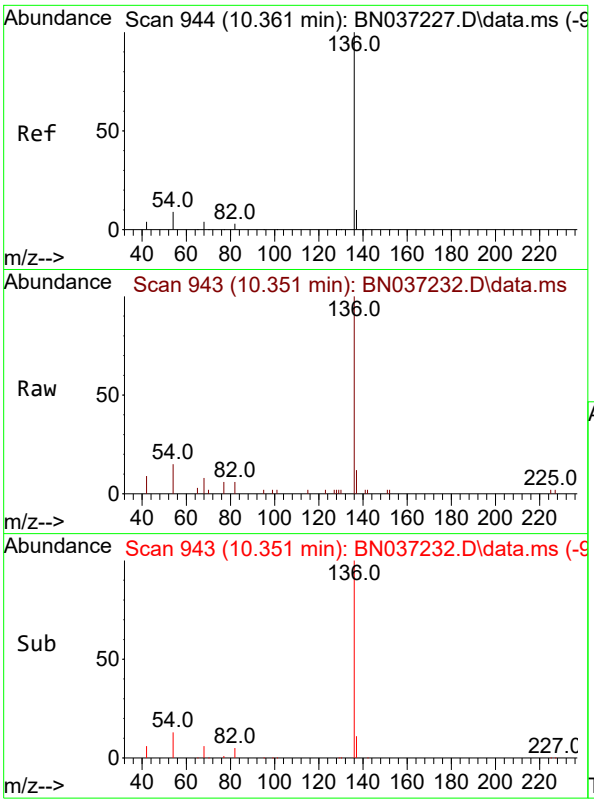


#6
bis(2-Chloroethyl)ether
Concen: 0.458 ng
RT: 7.012 min Scan# 572
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion: 93 Resp: 2110

Ion	Ratio	Lower	Upper
93	100		
63	81.0	75.2	112.8
95	31.9	28.3	42.5



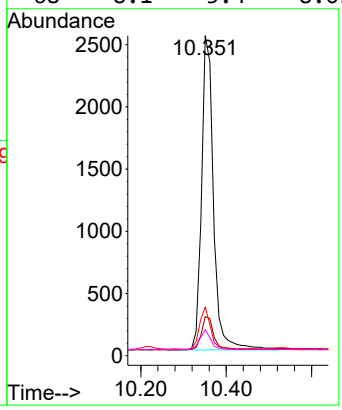


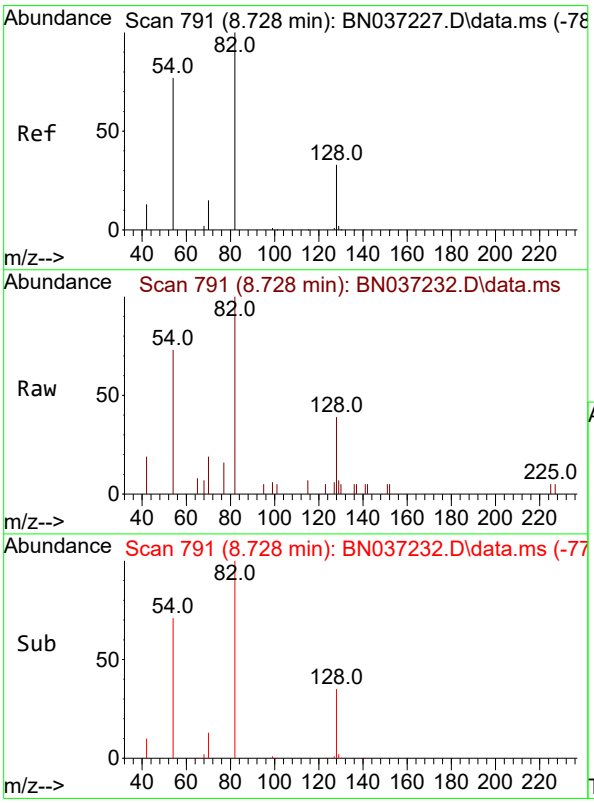
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:136 Resp: 4902

Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.6	15.8
54	15.2	9.2	13.8#
68	8.1	5.4	8.0#

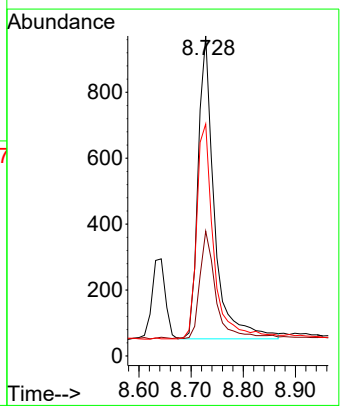


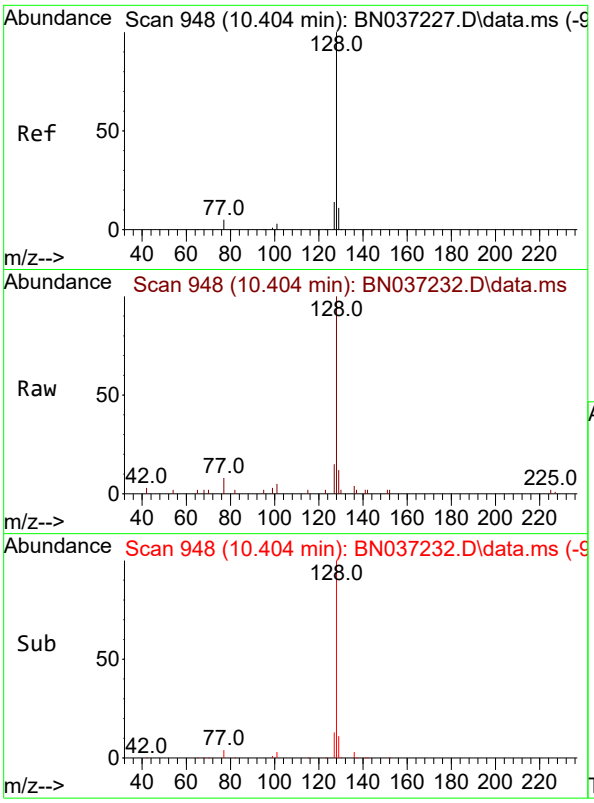


#8
Nitrobenzene-d5
Concen: 0.410 ng
RT: 8.728 min Scan# 791
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion: 82 Resp: 1988

Ion	Ratio	Lower	Upper
82	100		
128	39.0	31.2	46.8
54	72.5	63.3	94.9



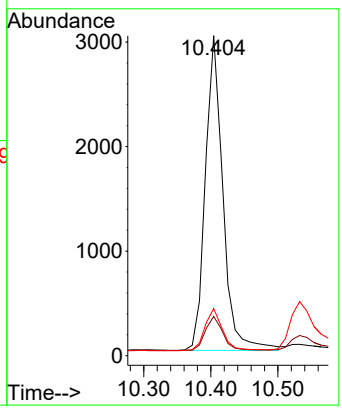


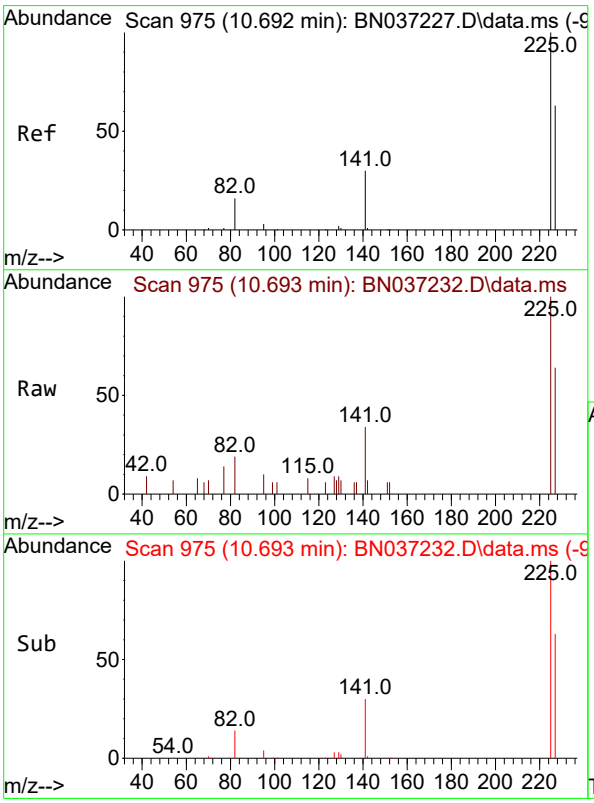
#9
Naphthalene
Concen: 0.386 ng
RT: 10.404 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:128 Resp: 5483

Ion	Ratio	Lower	Upper
128	100		
129	12.3	10.7	16.1
127	14.7	12.6	19.0

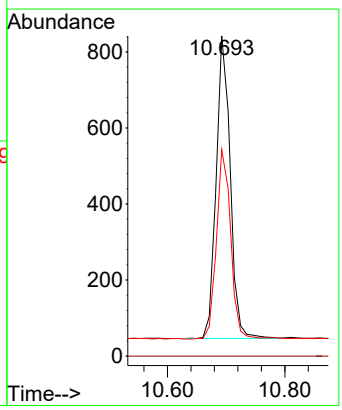


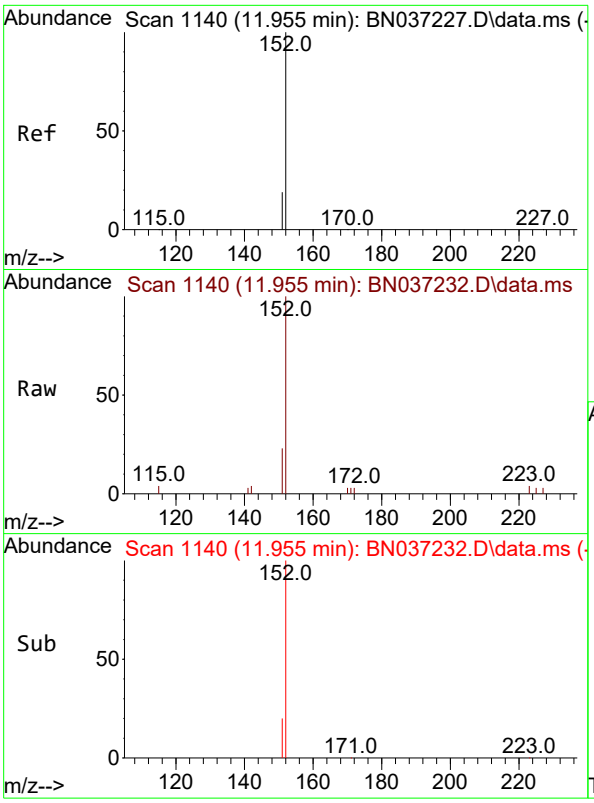


#10
Hexachlorobutadiene
Concen: 0.382 ng
RT: 10.693 min Scan# 975
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:225 Resp: 1319

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	49.2	73.8



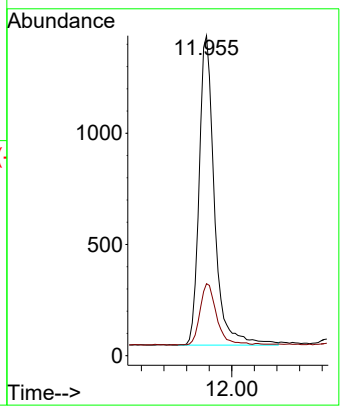


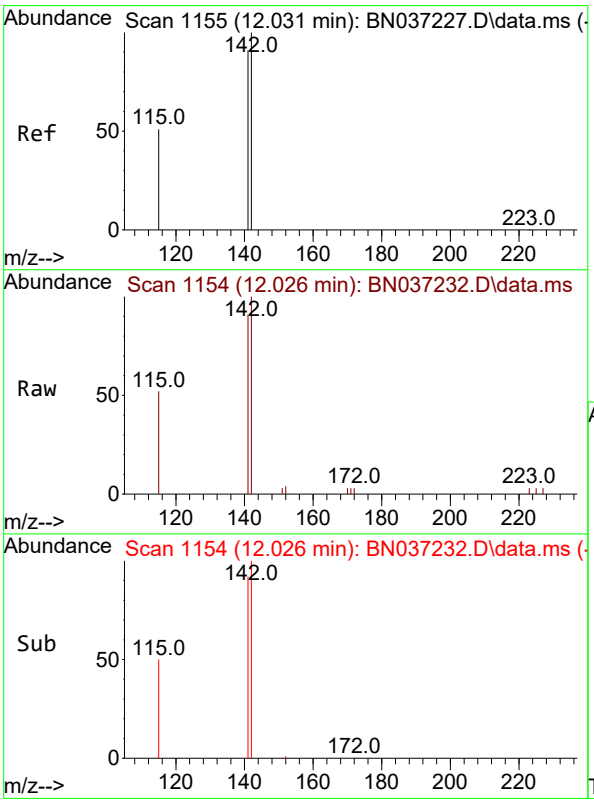
#11
2-Methylnaphthalene-d10
Concen: 0.398 ng
RT: 11.955 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:152 Resp: 2615

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.9	26.9

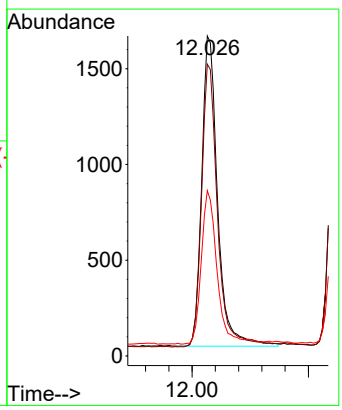


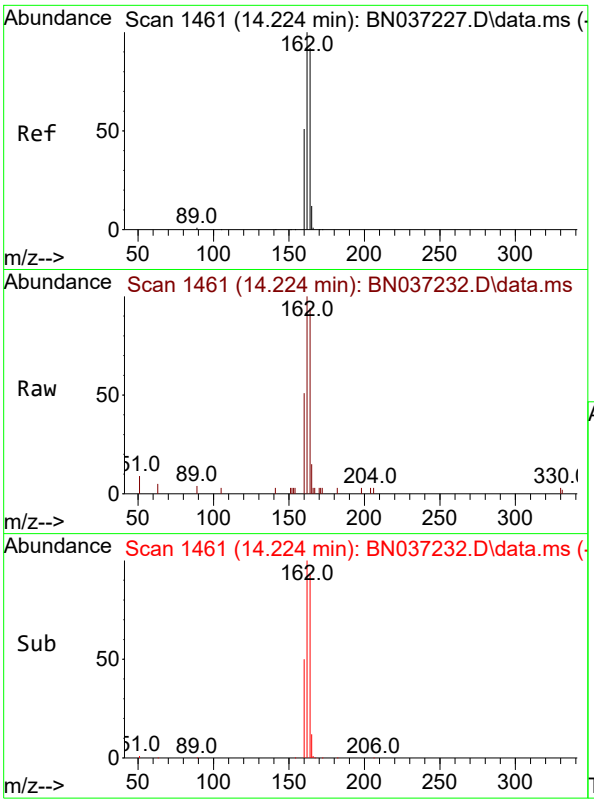


#12
2-Methylnaphthalene
Concen: 0.356 ng
RT: 12.026 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:142 Resp: 3073

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.0	109.6
115	51.6	43.3	64.9



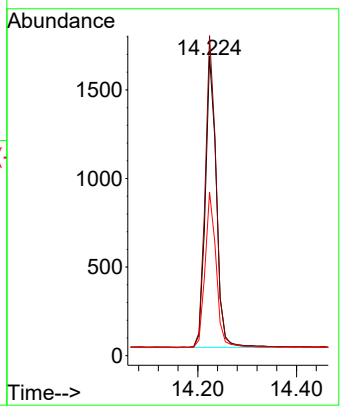


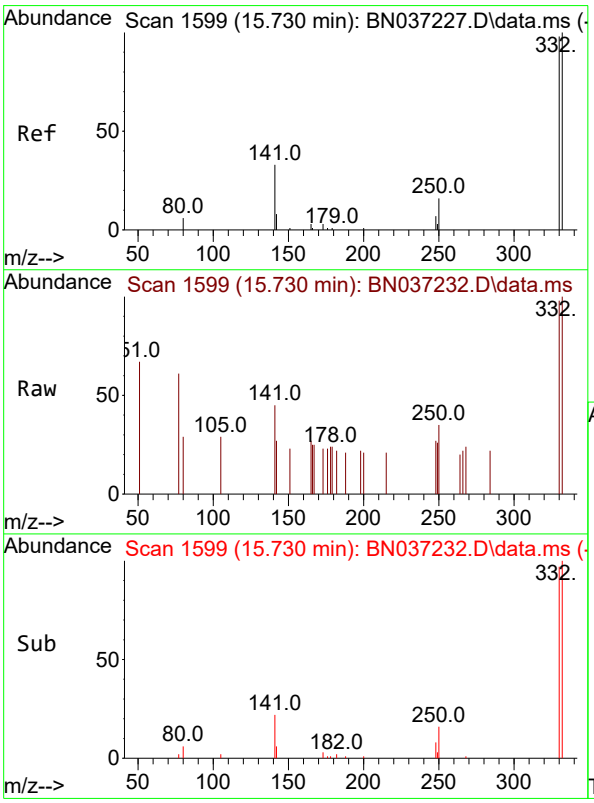
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:164 Resp: 2552

Ion	Ratio	Lower	Upper
164	100		
162	106.8	86.7	130.1
160	54.6	45.8	68.6

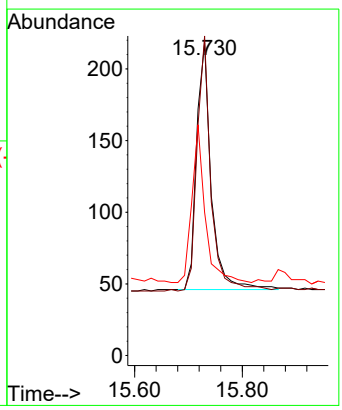


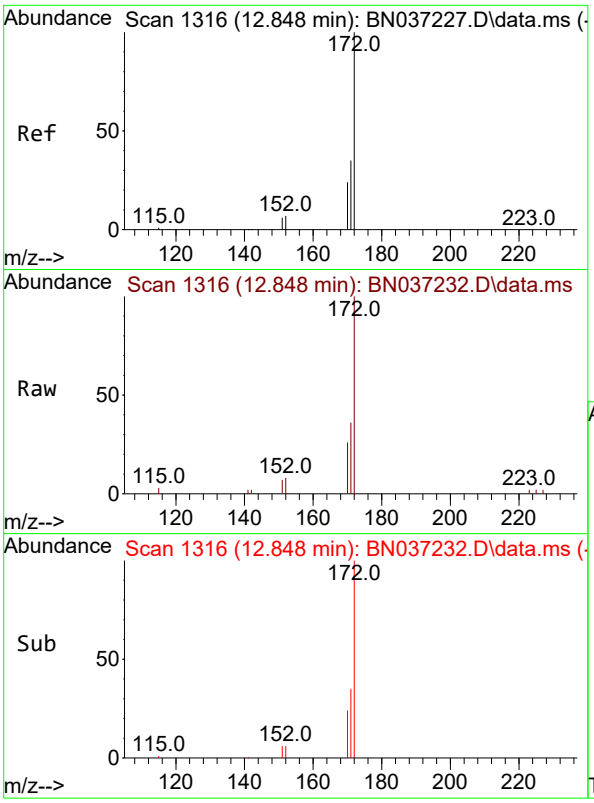


#14
2,4,6-Tribromophenol
Concen: 0.308 ng
RT: 15.730 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:330 Resp: 327

Ion	Ratio	Lower	Upper
330	100		
332	97.6	74.9	112.3
141	57.2	45.1	67.7



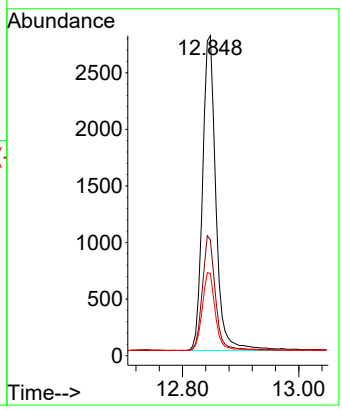


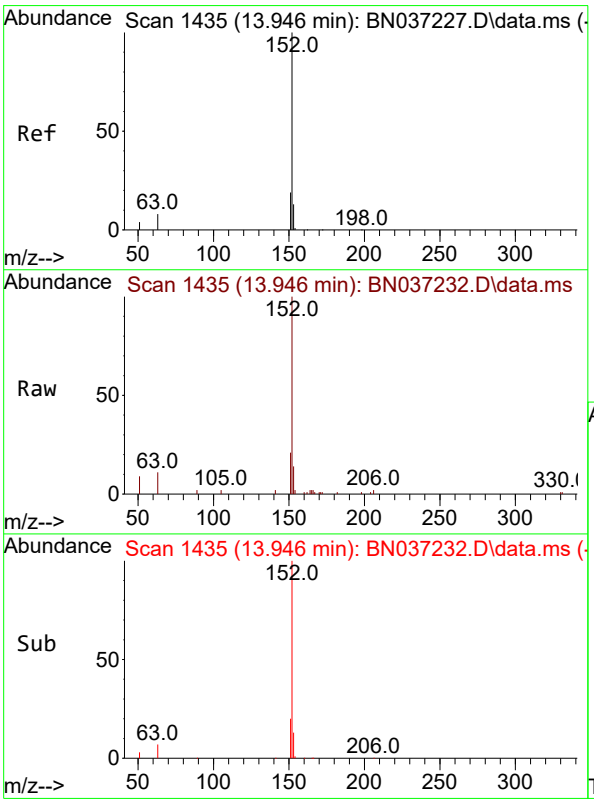
#15
2-Fluorobiphenyl
Concen: 0.413 ng
RT: 12.848 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:172 Resp: 4427

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.8	44.8
170	25.7	21.1	31.7

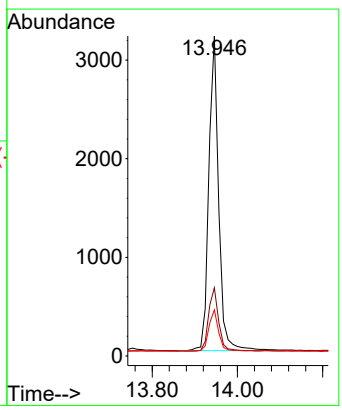


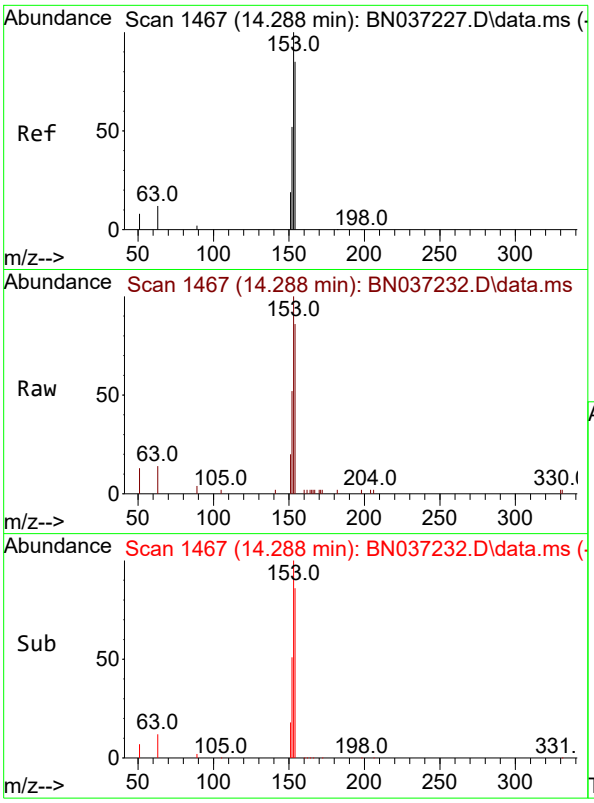


#16
Acenaphthylene
Concen: 0.409 ng
RT: 13.946 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:152 Resp: 5109

Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.7	23.5
153	12.9	10.7	16.1



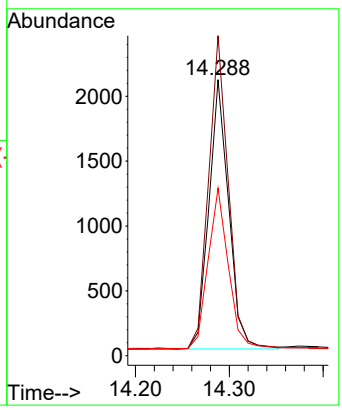


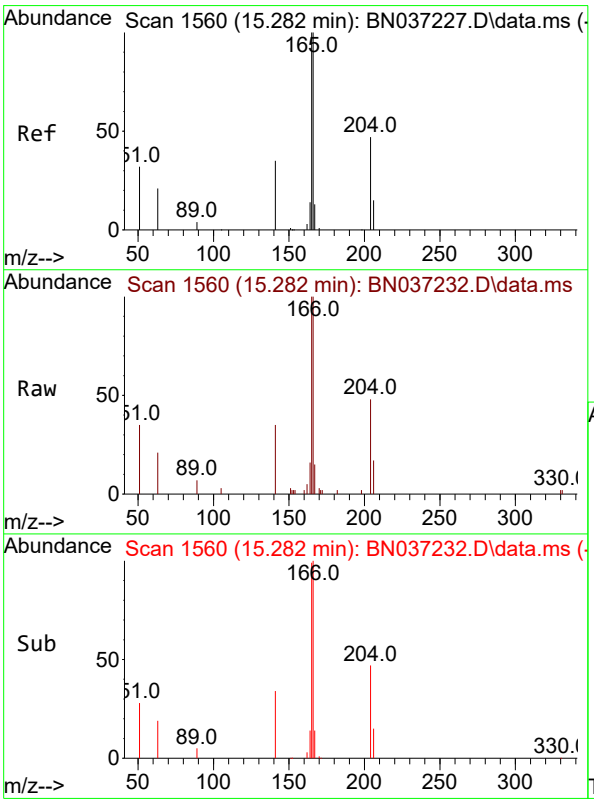
#17
Acenaphthene
Concen: 0.378 ng
RT: 14.288 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:154 Resp: 3050

Ion	Ratio	Lower	Upper
154	100		
153	117.3	94.6	141.8
152	61.5	49.6	74.4

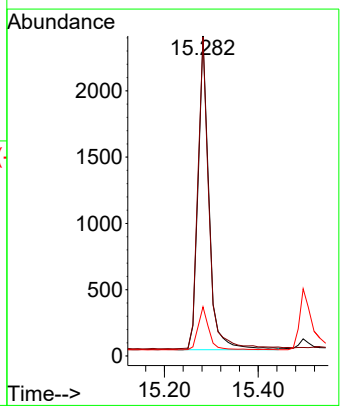


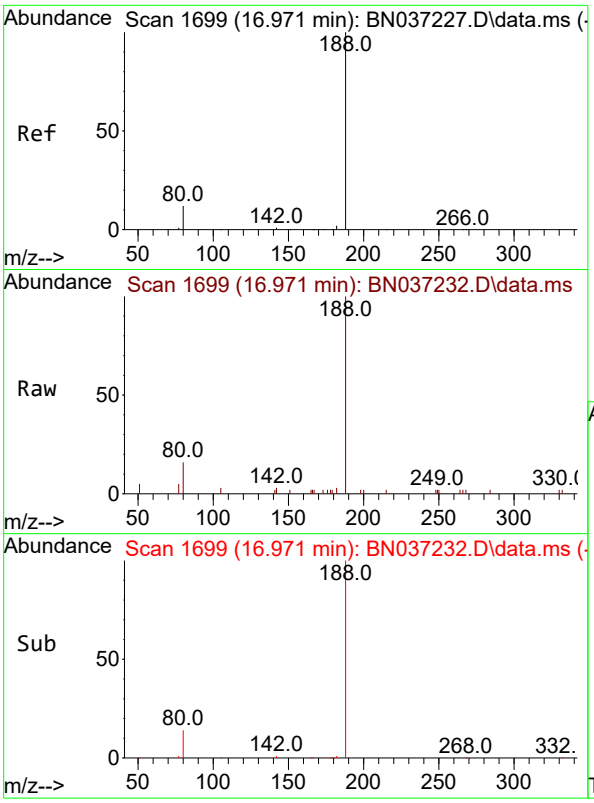


#18
Fluorene
Concen: 0.369 ng
RT: 15.282 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:166 Resp: 3826

Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.8	119.6
167	13.7	10.8	16.2



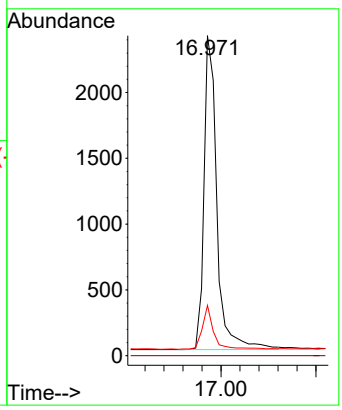


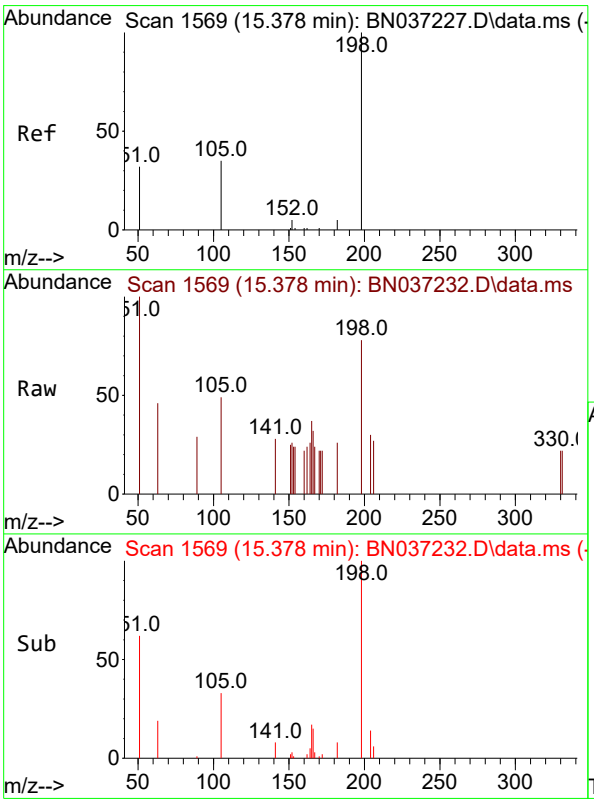
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:188 Resp: 4515

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.7	12.2	18.4

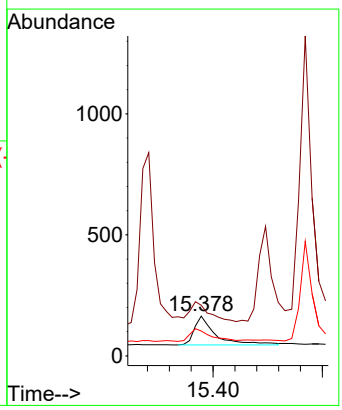


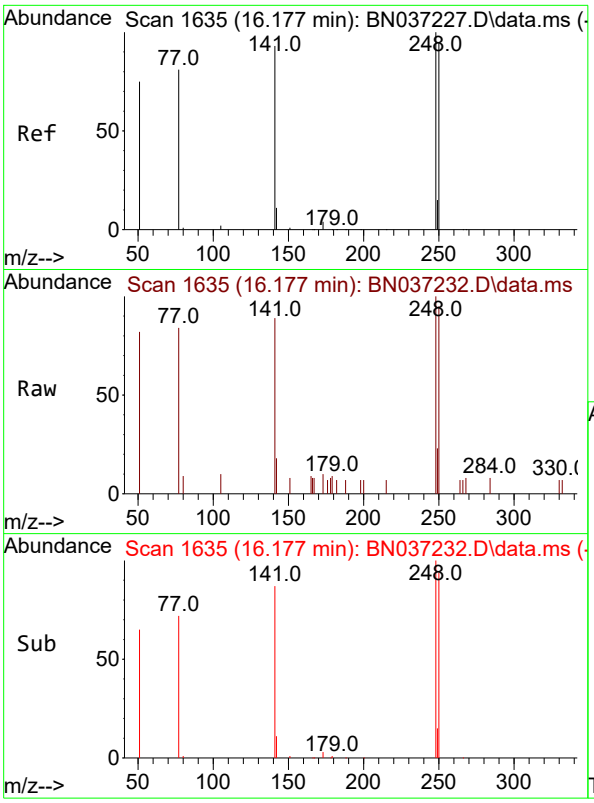


#20
4,6-Dinitro-2-methylphenol
Concen: 0.392 ng
RT: 15.378 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:198 Resp: 326

Ion	Ratio	Lower	Upper
198	100		
51	127.4	111.2	166.8
105	62.8	54.0	81.0



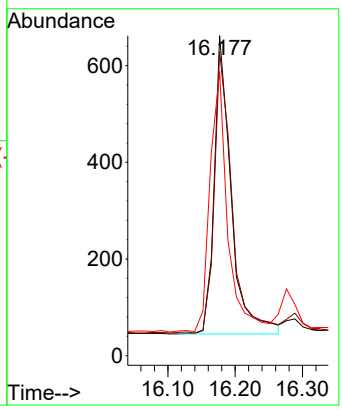


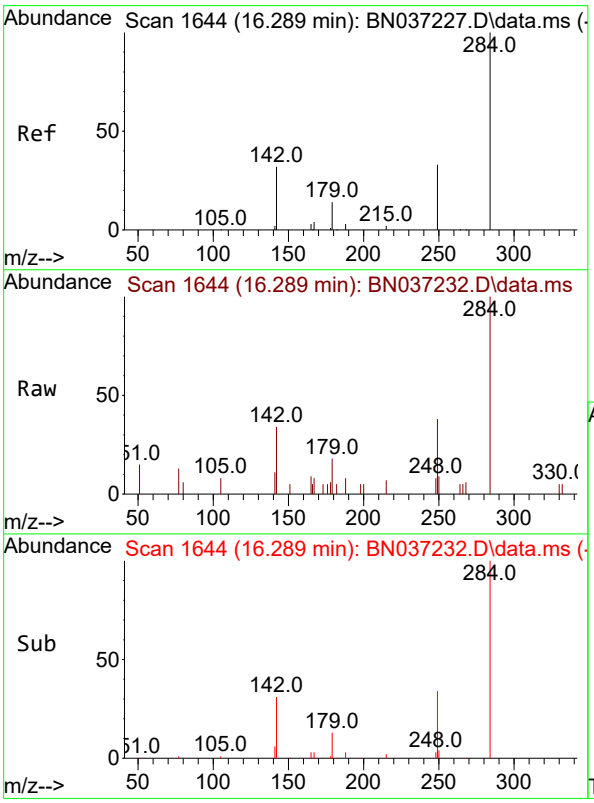
#21
4-Bromophenyl-phenylether
Concen: 0.368 ng
RT: 16.177 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:248 Resp: 1082

Ion	Ratio	Lower	Upper
248	100		
250	95.0	76.8	115.2
141	88.8	75.6	113.4

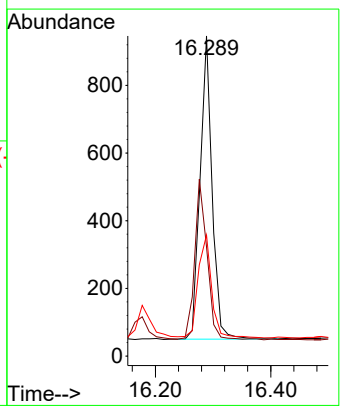


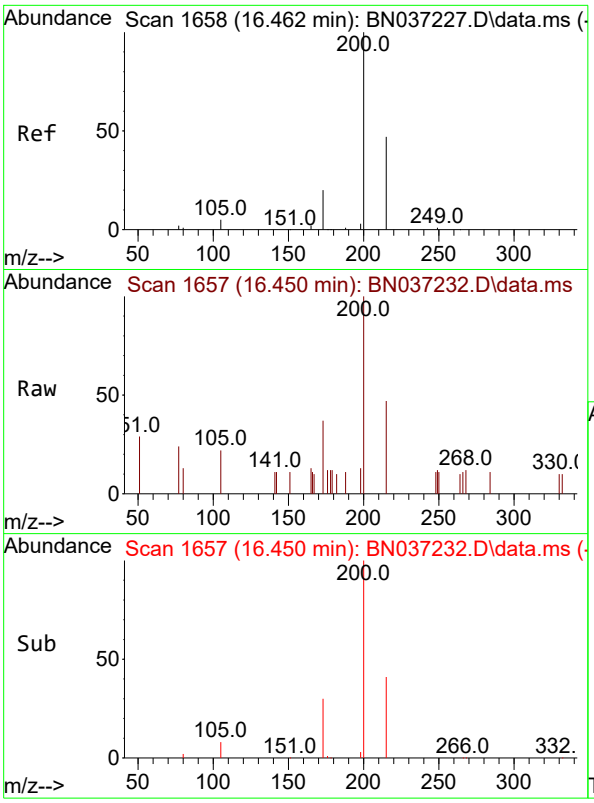


#22
Hexachlorobenzene
Concen: 0.380 ng
RT: 16.289 min Scan# 1644
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:284 Resp: 1296

Ion	Ratio	Lower	Upper
284	100		
142	55.1	43.8	65.6
249	38.3	28.4	42.6



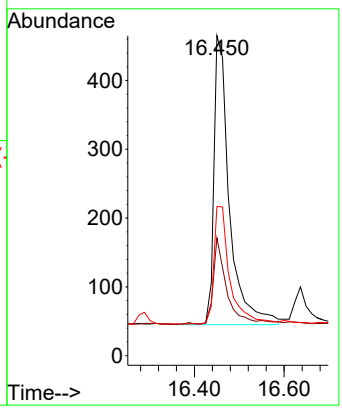


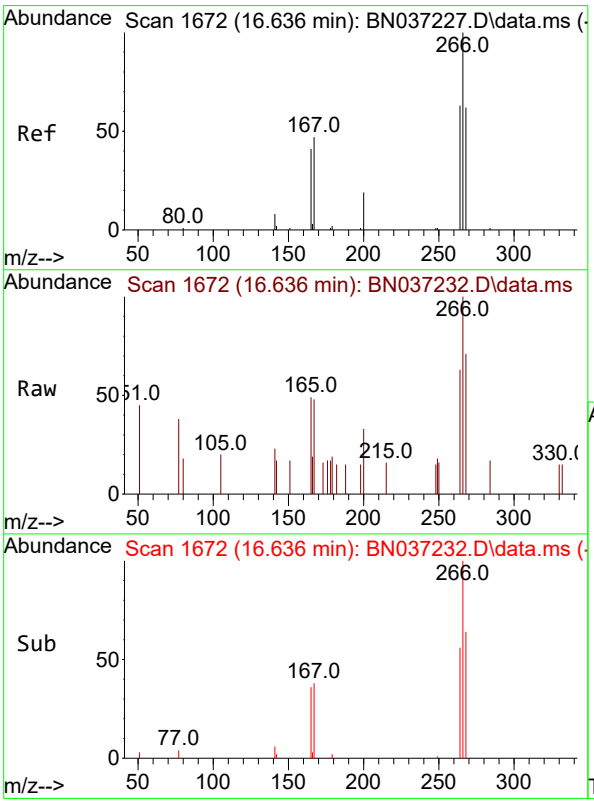
#23
Atrazine
Concen: 0.383 ng
RT: 16.450 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:200 Resp: 1004

Ion	Ratio	Lower	Upper
200	100		
173	36.8	25.1	37.7
215	46.7	43.7	65.5

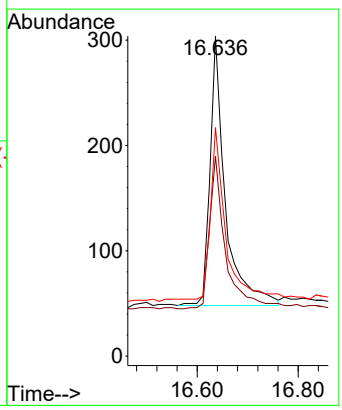


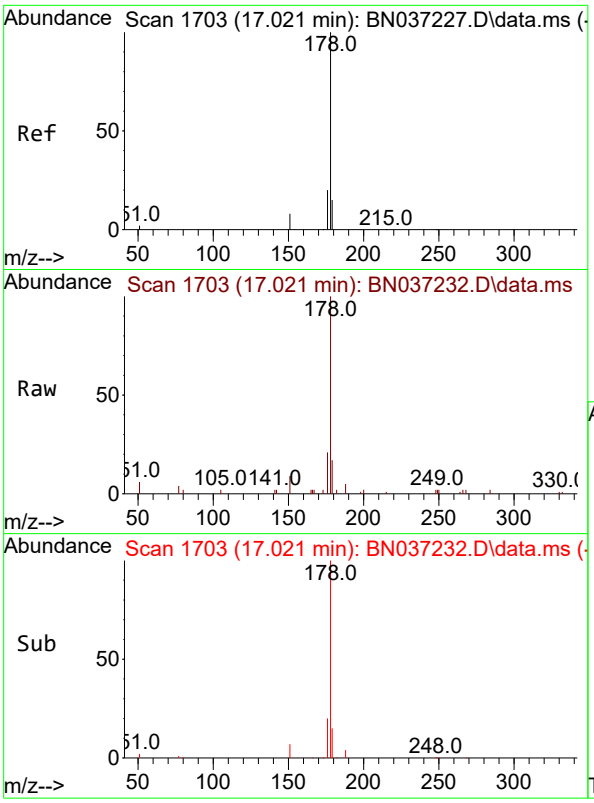


#24
Pentachlorophenol
Concen: 0.323 ng
RT: 16.636 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:266 Resp: 540

Ion	Ratio	Lower	Upper
266	100		
264	59.1	49.2	73.8
268	62.0	53.4	80.2



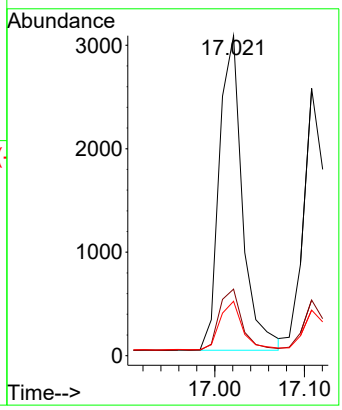


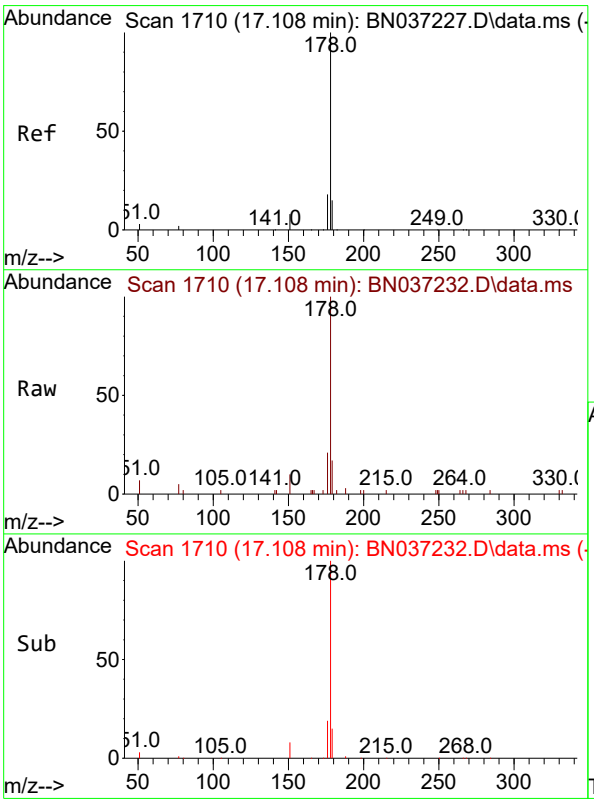
#25
Phenanthrene
Concen: 0.381 ng
RT: 17.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:178 Resp: 5458

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.3	24.5
179	15.4	12.6	18.8

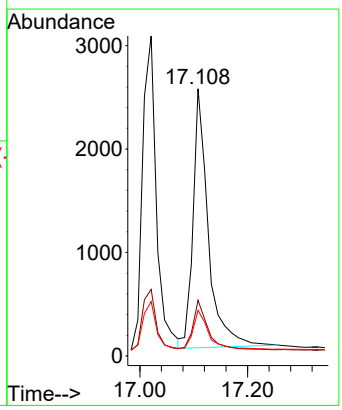


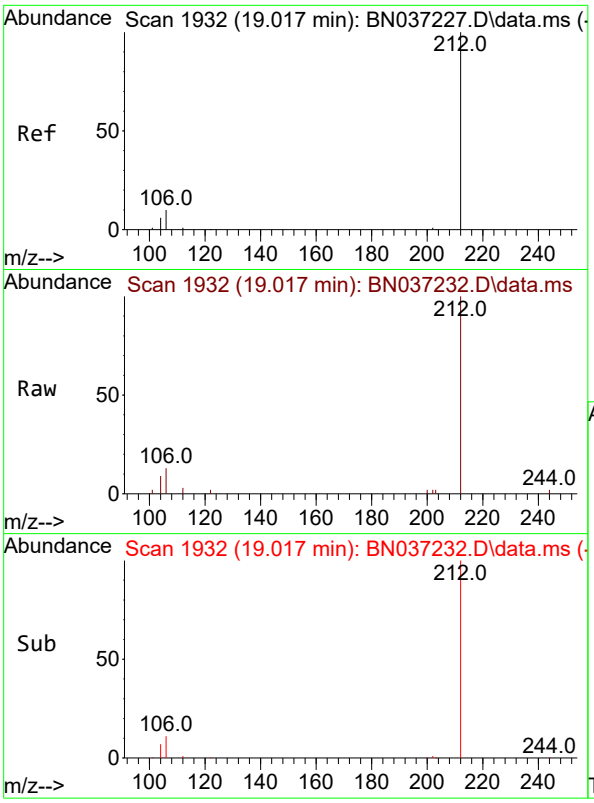


#26
Anthracene
Concen: 0.376 ng
RT: 17.108 min Scan# 1710
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:178 Resp: 4934

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.6	12.4	18.6



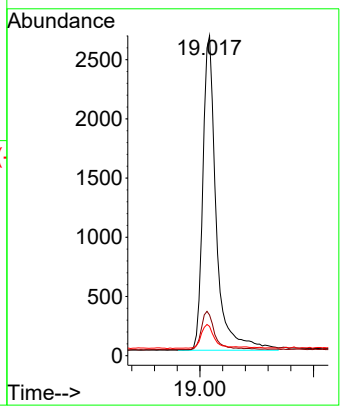


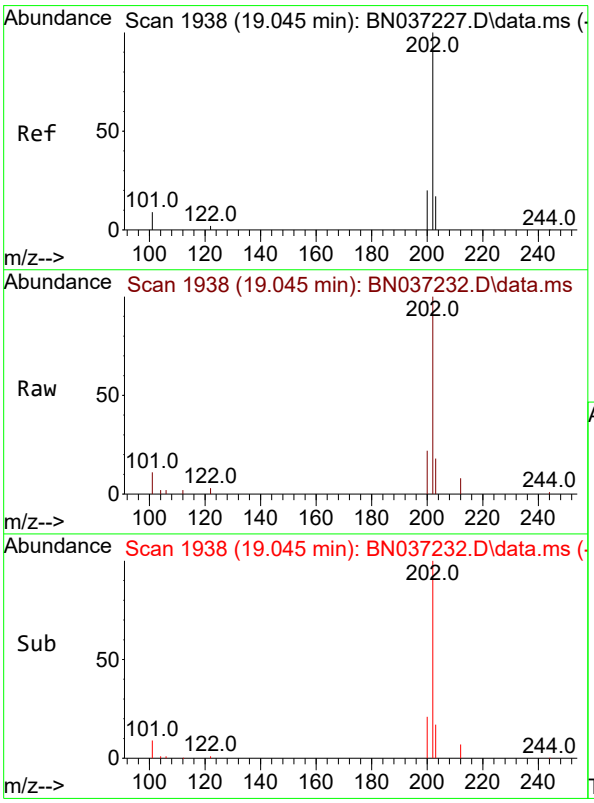
#27
Fluoranthene-d10
Concen: 0.369 ng
RT: 19.017 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:212 Resp: 4358

Ion	Ratio	Lower	Upper
212	100		
106	12.4	9.3	13.9
104	7.2	5.7	8.5

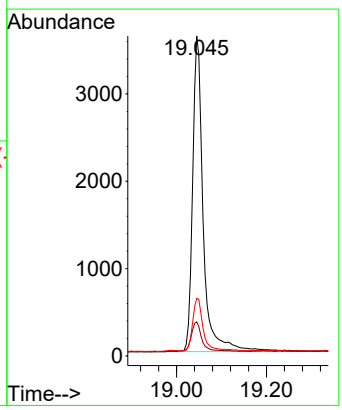


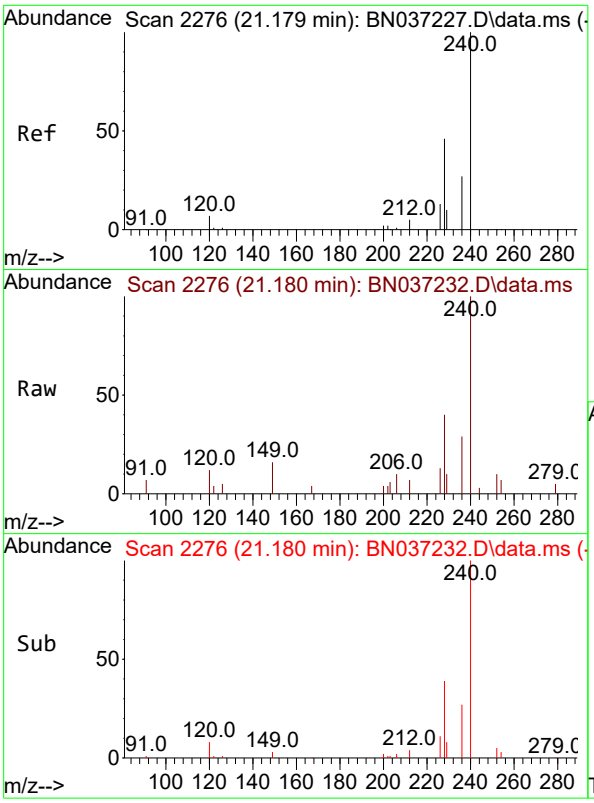


#28
Fluoranthene
Concen: 0.354 ng
RT: 19.045 min Scan# 1938
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:202 Resp: 5935

Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.1	10.7
203	16.8	13.0	19.6



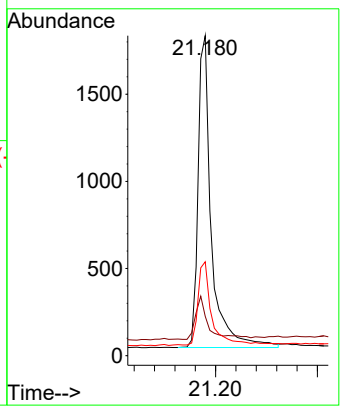


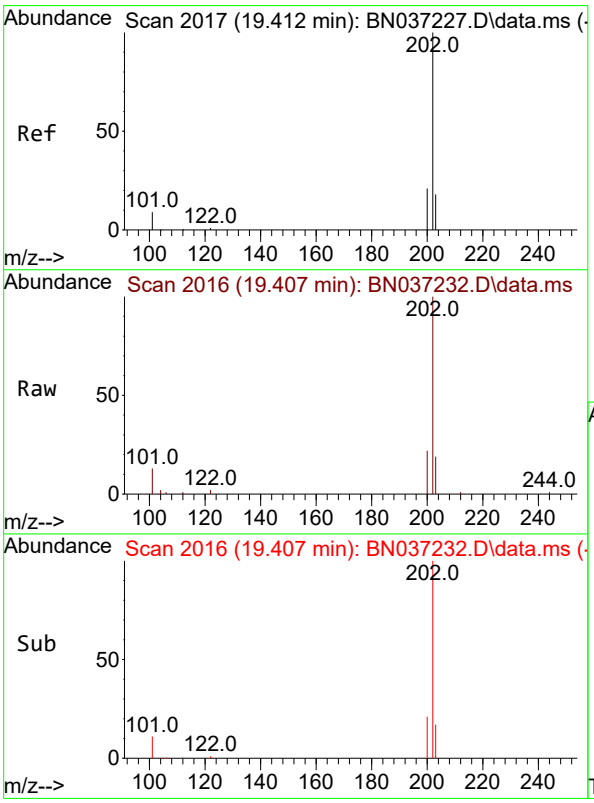
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:240 Resp: 3230

Ion	Ratio	Lower	Upper
240	100		
120	12.3	11.3	16.9
236	29.4	24.4	36.6

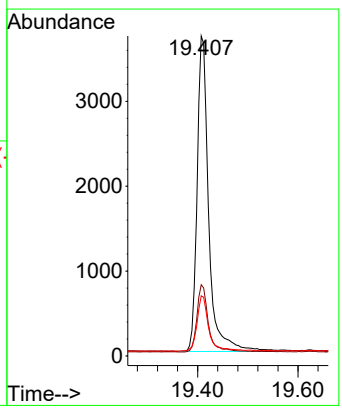


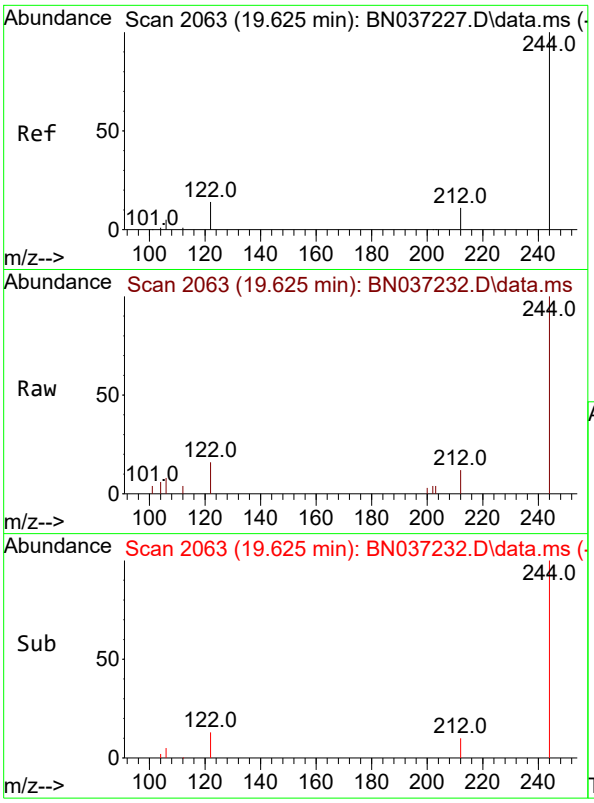


#30
Pyrene
Concen: 0.392 ng
RT: 19.407 min Scan# 2016
Delta R.T. -0.005 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:202 Resp: 5948

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	17.7	14.3	21.5



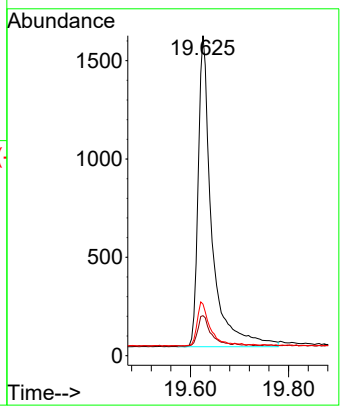


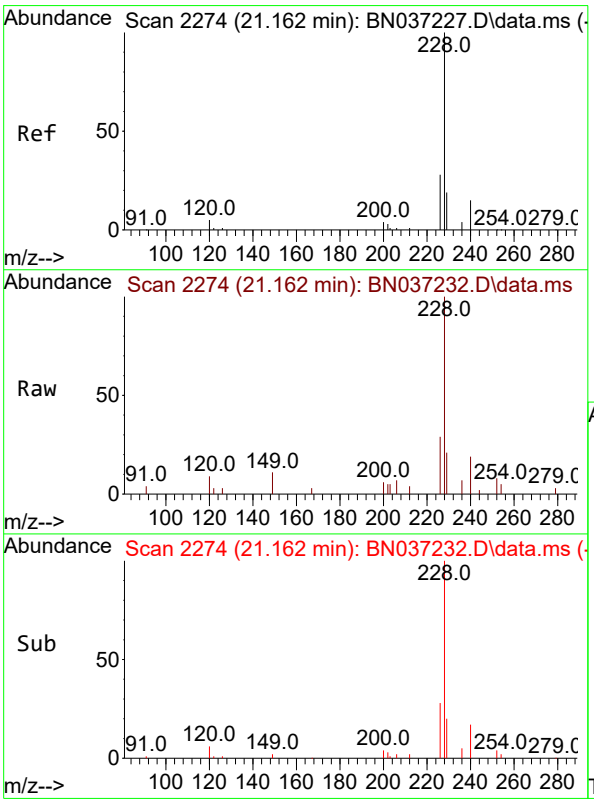
#31
Terphenyl-d14
Concen: 0.417 ng
RT: 19.625 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:244 Resp: 3044

Ion	Ratio	Lower	Upper
244	100		
212	12.5	12.2	18.2
122	16.1	14.3	21.5

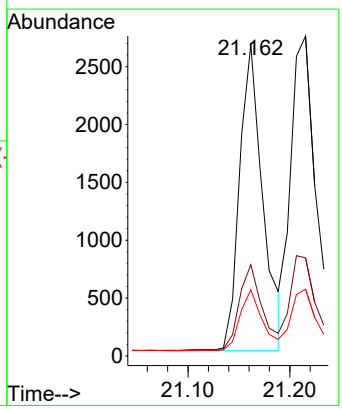


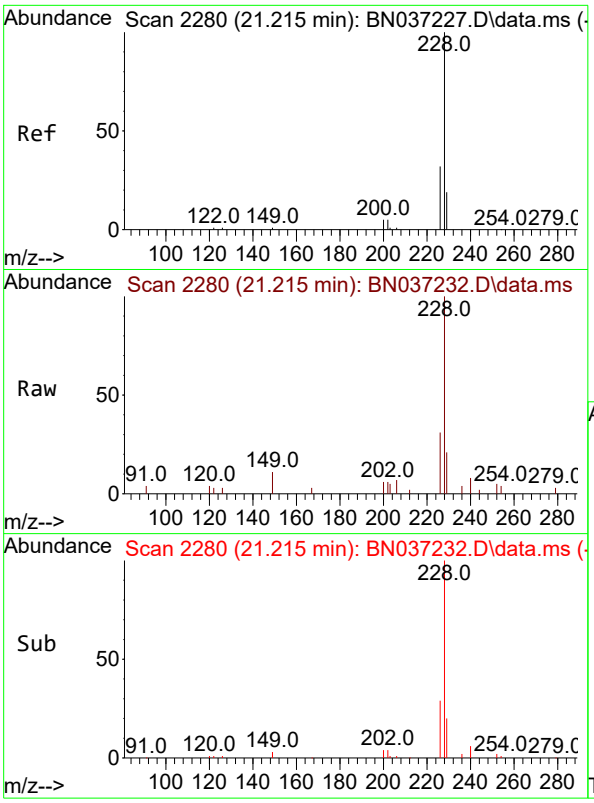


#32
Benzo(a)anthracene
Concen: 0.384 ng
RT: 21.162 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:228 Resp: 4183

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.8	35.8
229	21.2	17.0	25.4



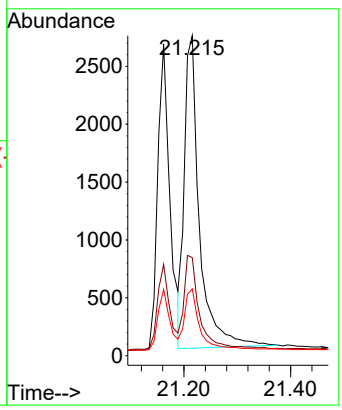


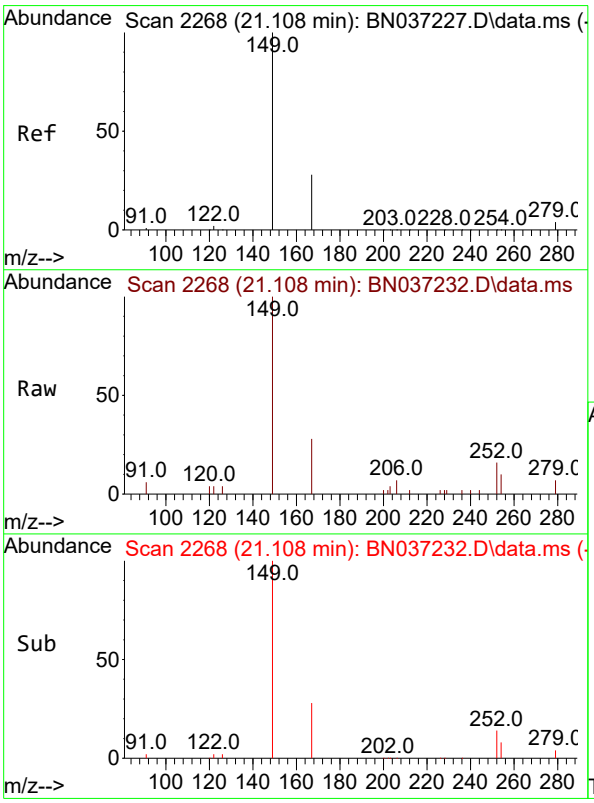
#33
Chrysene
Concen: 0.390 ng
RT: 21.215 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:228 Resp: 5302

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.8	38.6
229	20.9	17.0	25.4

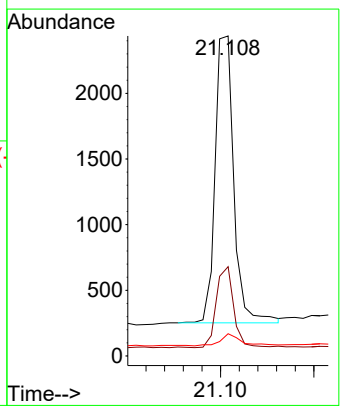


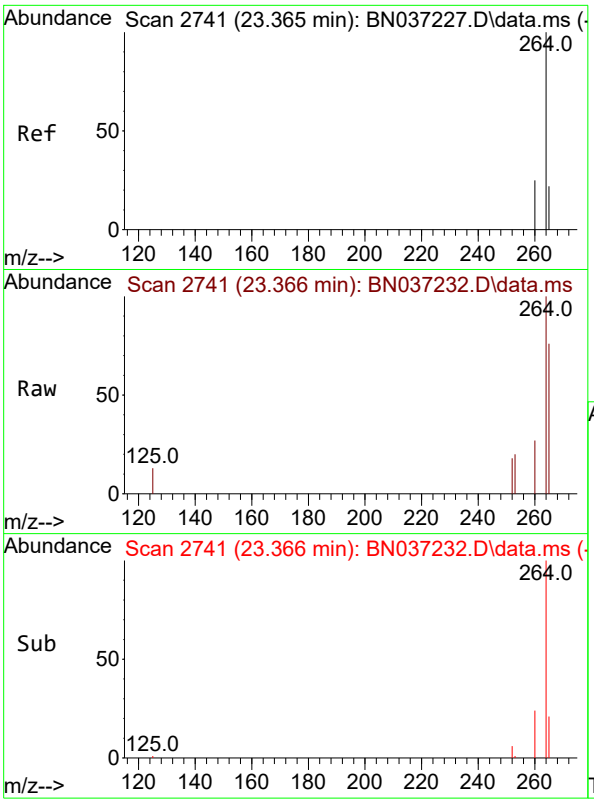


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.373 ng
RT: 21.108 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:149 Resp: 3027

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.3	31.9
279	4.7	3.3	4.9



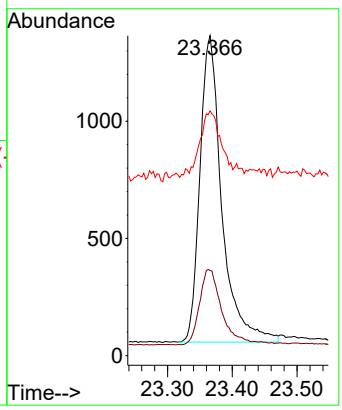


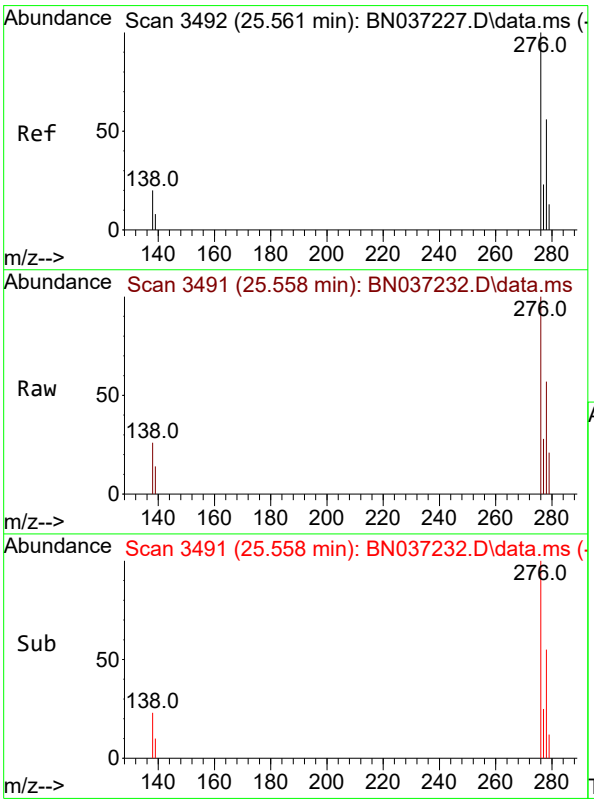
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.366 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:264 Resp: 3076

Ion	Ratio	Lower	Upper
264	100		
260	26.6	22.8	34.2
265	76.5	66.4	99.6

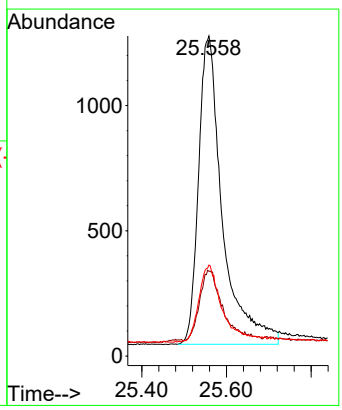


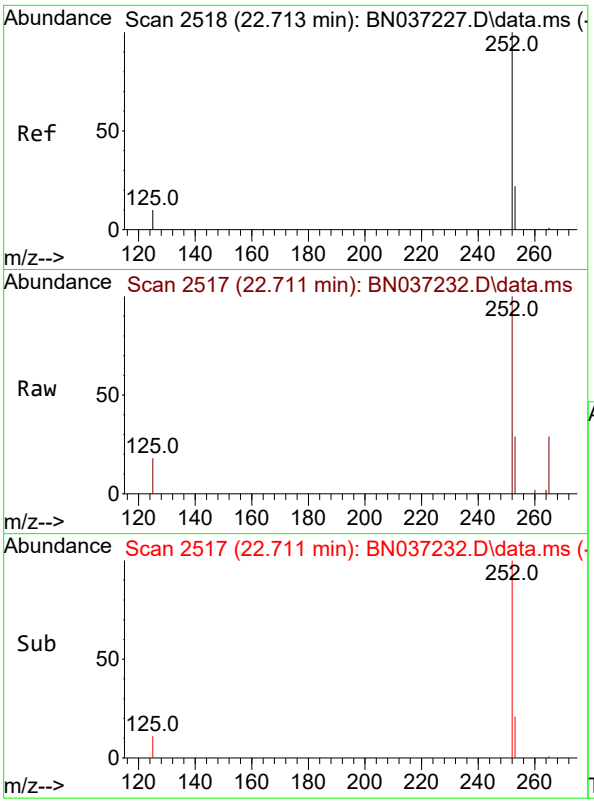


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.389 ng
RT: 25.558 min Scan# 3491
Delta R.T. -0.003 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:276 Resp: 4825

Ion	Ratio	Lower	Upper
276	100		
138	21.3	16.8	25.2
277	23.4	19.5	29.3



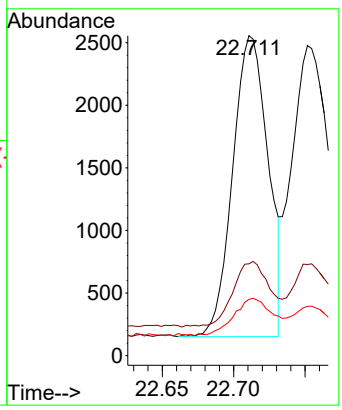


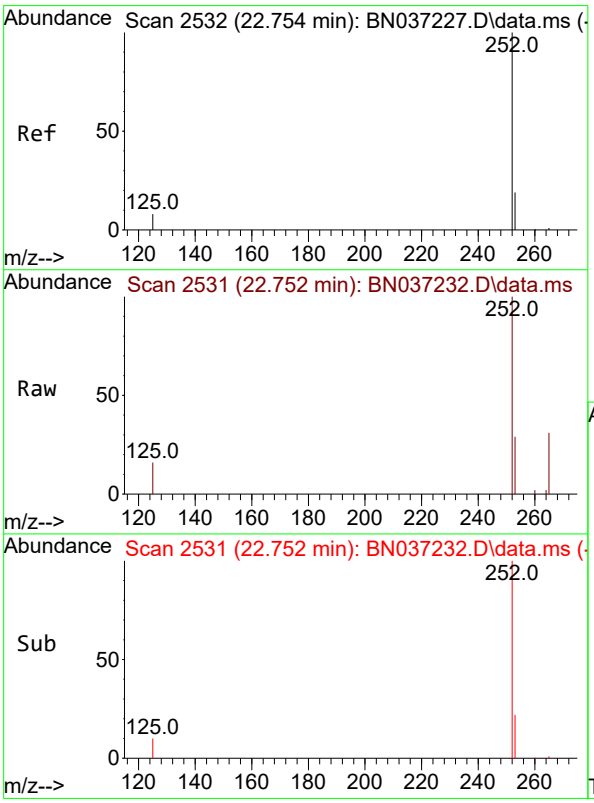
#37
Benzo(b)fluoranthene
Concen: 0.366 ng
RT: 22.711 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:252 Resp: 4122

Ion	Ratio	Lower	Upper
252	100		
253	28.7	24.9	37.3
125	17.6	12.9	19.3

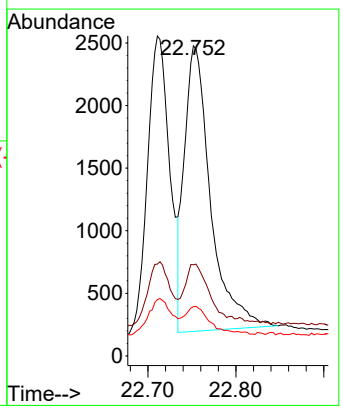


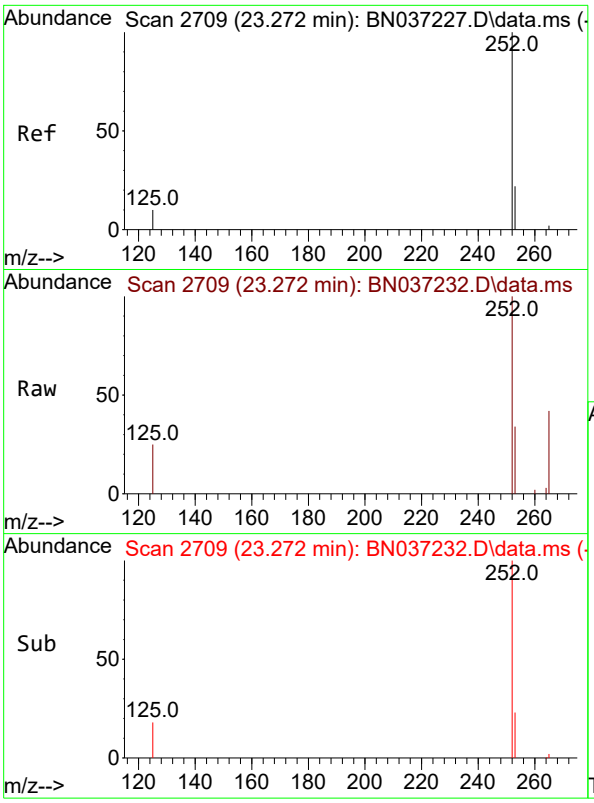


#38
Benzo(k)fluoranthene
Concen: 0.363 ng
RT: 22.752 min Scan# 2531
Delta R.T. -0.003 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:252 Resp: 4721

Ion	Ratio	Lower	Upper
252	100		
253	29.4	24.6	37.0
125	15.9	13.4	20.2



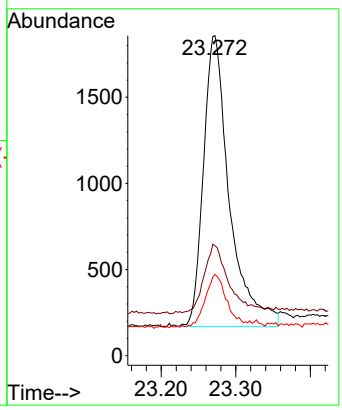


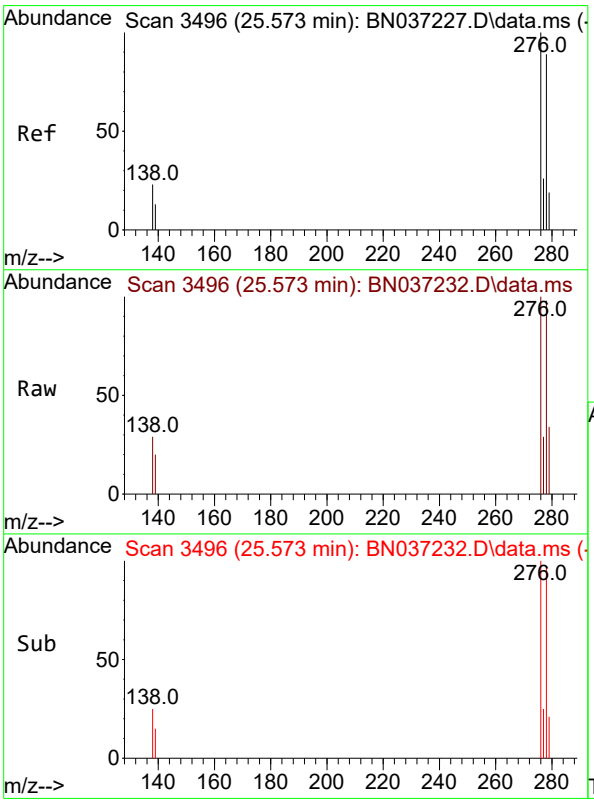
#39
Benzo(a)pyrene
Concen: 0.404 ng
RT: 23.272 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:252 Resp: 4086

Ion	Ratio	Lower	Upper
252	100		
253	34.3	29.4	44.2
125	25.4	16.2	24.2#

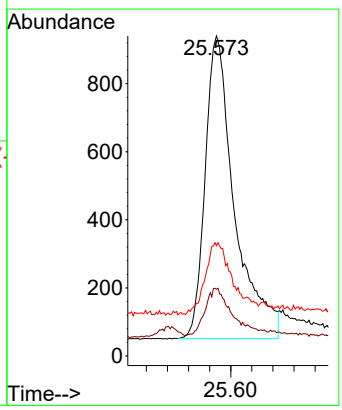


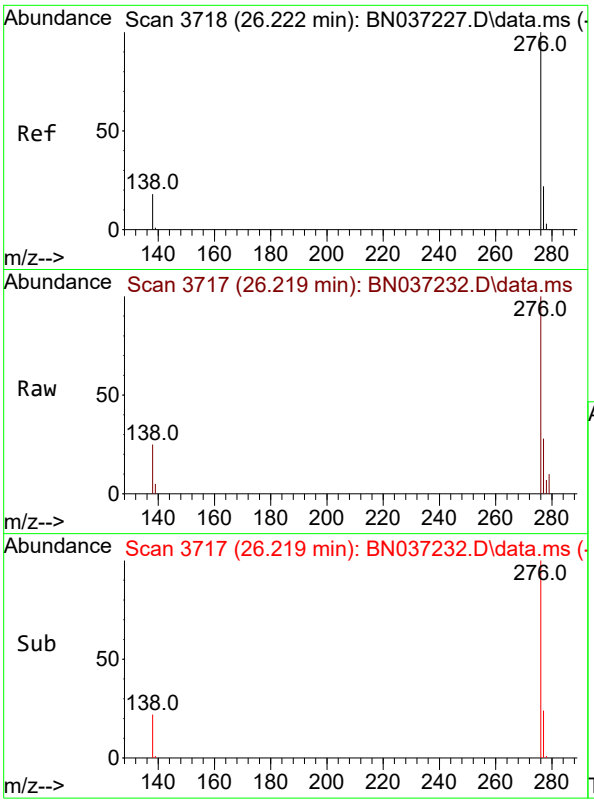


#40
Dibenzo(a,h)anthracene
Concen: 0.365 ng
RT: 25.573 min Scan# 3496
Delta R.T. 0.000 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Tgt Ion:278 Resp: 3443

Ion	Ratio	Lower	Upper
278	100		
139	20.9	17.8	26.6
279	34.5	31.3	46.9



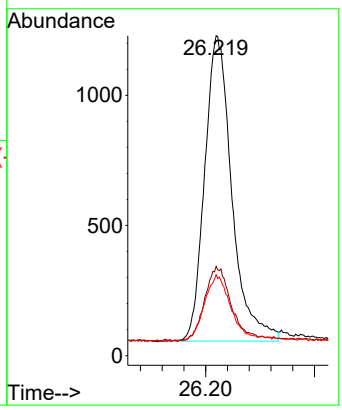


#41
Benzo(g,h,i)perylene
Concen: 0.354 ng
RT: 26.219 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037232.D
Acq: 13 Jun 2025 17:47

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Tgt Ion:276 Resp: 4068

Ion	Ratio	Lower	Upper
276	100		
277	27.9	22.0	33.0
138	25.3	18.4	27.6



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037232.D
Acq On : 13 Jun 2025 17:47
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Quant Time: Jun 13 18:44:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	154#	0.00
2		1,4-Dioxane	0.549	0.551	-0.4	162#	0.00
3		n-Nitrosodimethylamine	1.250	1.137	9.0	137	0.00
4	S	2-Fluorophenol	0.982	0.864	12.0	142	0.00
5	S	Phenol-d6	1.035	0.931	10.0	149	0.00
6		bis(2-Chloroethyl)ether	0.927	1.062	-14.6	188#	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	153#	-0.01
8	S	Nitrobenzene-d5	0.395	0.406	-2.8	161#	0.00
9		Naphthalene	1.158	1.119	3.4	151#	0.00
10		Hexachlorobutadiene	0.282	0.269	4.6	136	0.00
11	SURR	2-Methylnaphthalene-d10	0.537	0.533	0.7	146	0.00
12		2-Methylnaphthalene	0.704	0.627	10.9	136	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	147	0.00
14	S	2,4,6-Tribromophenol	0.166	0.128	22.9	110	0.00
15	S	2-Fluorobiphenyl	1.681	1.735	-3.2	150	0.00
16		Acenaphthylene	1.960	2.002	-2.1	157#	0.00
17		Acenaphthene	1.265	1.195	5.5	142	0.00
18		Fluorene	1.625	1.499	7.8	138	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	141	0.00
20		4,6-Dinitro-2-methylphenol	0.092	0.072	21.7	155#	0.00
21		4-Bromophenyl-phenylether	0.261	0.240	8.0	139	0.00
22		Hexachlorobenzene	0.302	0.287	5.0	130	0.00
23		Atrazine	0.232	0.222	4.3	141	-0.01
24		Pentachlorophenol	0.148	0.120	18.9	136	0.00
25		Phenanthrene	1.269	1.209	4.7	144	0.00
26		Anthracene	1.161	1.093	5.9	143	0.00
27	SURR	Fluoranthene-d10	1.046	0.965	7.7	130	0.00
28		Fluoranthene	1.485	1.315	11.4	132	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	141	0.00
30		Pyrene	1.881	1.841	2.1	133	0.00
31	S	Terphenyl-d14	0.904	0.942	-4.2	141	0.00
32		Benzo(a)anthracene	1.351	1.295	4.1	149	0.00
33		Chrysene	1.683	1.641	2.5	137	0.00
34		Bis(2-ethylhexyl)phthalate	1.006	0.937	6.9	129	0.00
35	I	Perylene-d12	1.000	1.000	0.0	143	0.00
36		Indeno(1,2,3-cd)pyrene	1.613	1.569	2.7	149	0.00
37		Benzo(b)fluoranthene	1.463	1.340	8.4	139	0.00
38		Benzo(k)fluoranthene	1.689	1.535	9.1	135	0.00
39	C	Benzo(a)pyrene	1.316	1.328	-0.9	154#	0.00
40		Dibenzo(a,h)anthracene	1.227	1.119	8.8	153#	0.00
41		Benzo(g,h,i)perylene	1.496	1.322	11.6	131	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037232.D
Acq On : 13 Jun 2025 17:47
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

Quant Time: Jun 13 18:44:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	154	0.00
2		1,4-Dioxane	0.400	0.402	-0.5	162	0.00
3		n-Nitrosodimethylamine	0.400	0.364	9.0	137	0.00
4	S	2-Fluorophenol	0.400	0.352	12.0	142	0.00
5	S	Phenol-d6	0.400	0.360	10.0	149	0.00
6		bis(2-Chloroethyl)ether	0.400	0.458	-14.5	188	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	153	-0.01
8	S	Nitrobenzene-d5	0.400	0.410	-2.5	161	0.00
9		Naphthalene	0.400	0.386	3.5	151	0.00
10		Hexachlorobutadiene	0.400	0.382	4.5	136	0.00
11	SURR	2-Methylnaphthalene-d10	0.400	0.398	0.5	146	0.00
12		2-Methylnaphthalene	0.400	0.356	11.0	136	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	147	0.00
14	S	2,4,6-Tribromophenol	0.400	0.308	23.0	110	0.00
15	S	2-Fluorobiphenyl	0.400	0.413	-3.2	150	0.00
16		Acenaphthylene	0.400	0.409	-2.2	157	0.00
17		Acenaphthene	0.400	0.378	5.5	142	0.00
18		Fluorene	0.400	0.369	7.8	138	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	141	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.392	2.0	155	0.00
21		4-Bromophenyl-phenylether	0.400	0.368	8.0	139	0.00
22		Hexachlorobenzene	0.400	0.380	5.0	130	0.00
23		Atrazine	0.400	0.383	4.3	141	-0.01
24		Pentachlorophenol	0.400	0.323	19.3	136	0.00
25		Phenanthrene	0.400	0.381	4.8	144	0.00
26		Anthracene	0.400	0.376	6.0	143	0.00
27	SURR	Fluoranthene-d10	0.400	0.369	7.8	130	0.00
28		Fluoranthene	0.400	0.354	11.5	132	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	141	0.00
30		Pyrene	0.400	0.392	2.0	133	0.00
31	S	Terphenyl-d14	0.400	0.417	-4.2	141	0.00
32		Benzo(a)anthracene	0.400	0.384	4.0	149	0.00
33		Chrysene	0.400	0.390	2.5	137	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.373	6.8	129	0.00
35	I	Perylene-d12	0.400	0.400	0.0	143	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.389	2.8	149	0.00
37		Benzo(b)fluoranthene	0.400	0.366	8.5	139	0.00
38		Benzo(k)fluoranthene	0.400	0.363	9.3	135	0.00
39	C	Benzo(a)pyrene	0.400	0.404	-1.0	154	0.00
40		Dibenzo(a,h)anthracene	0.400	0.365	8.8	153	0.00
41		Benzo(g,h,i)perylene	0.400	0.354	11.5	131	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Instrument :
BNA_N
ClientSampleId :
ICVBN061325

QC SAMPLE DATA

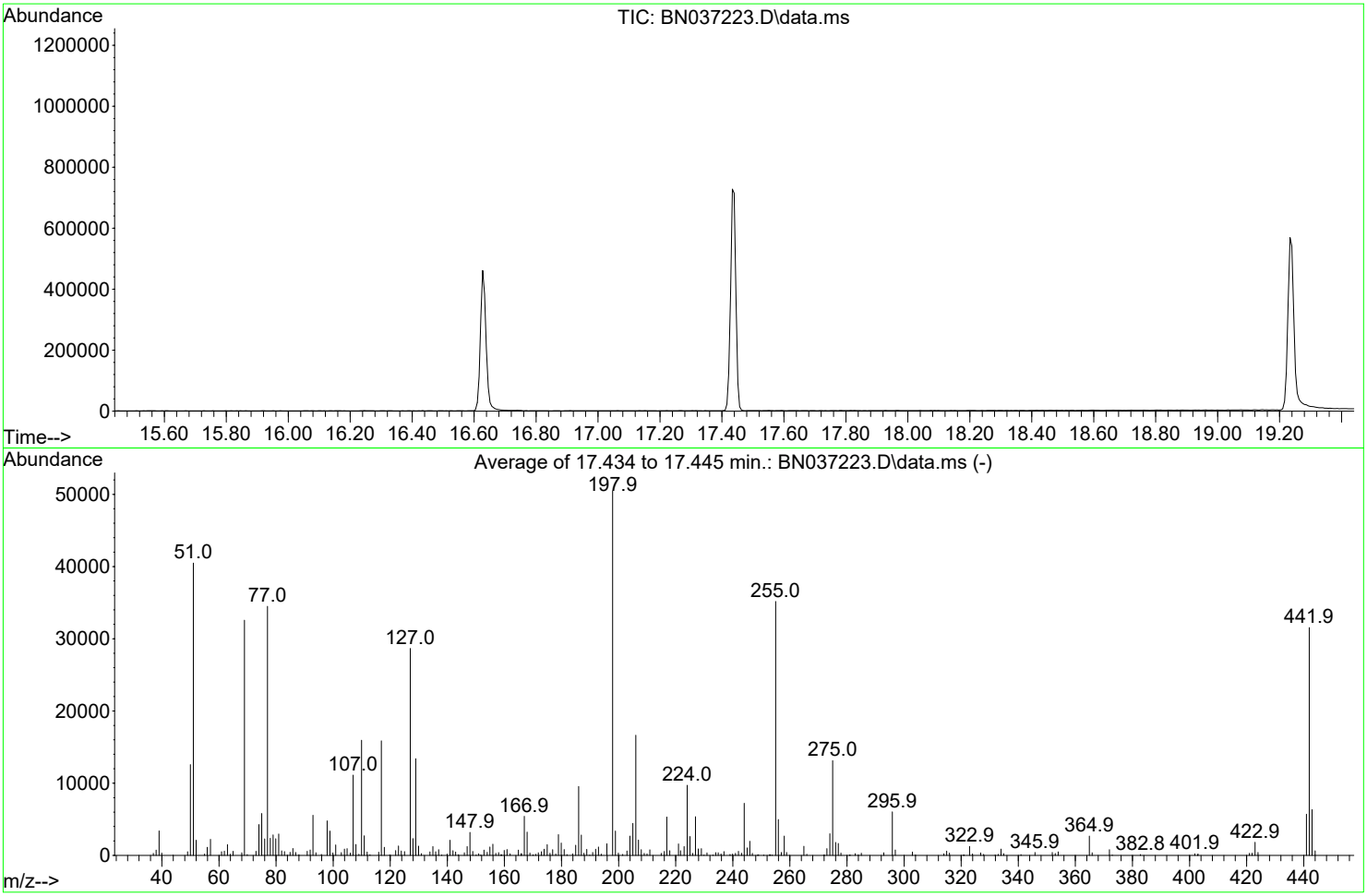
Sample Results: **BN037223.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037223.D
Acq On : 13 Jun 2025 11:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jun 19 02:50:12 2025



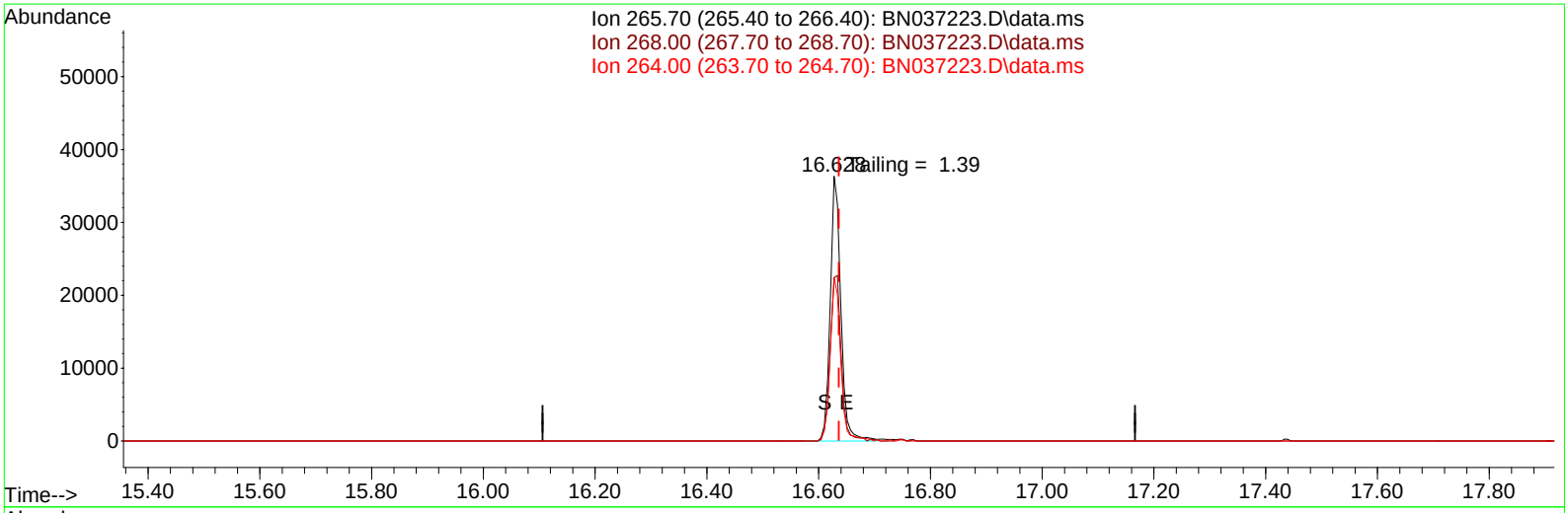
AutoFind: Scans 2473, 2474, 2475; Background Corrected with Scan 2466

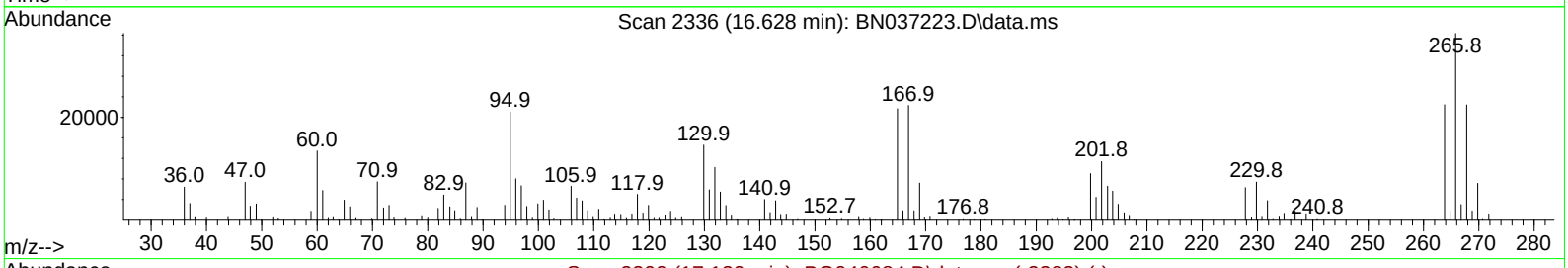
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.1	362	PASS
69	69	100	100	100.0	32573	PASS
70	69	0.00	2	0.4	132	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	50453	PASS
199	198	5	9	6.7	3367	PASS
365	198	1	100	5.3	2675	PASS
441	443	0.01	150	90.1	5714	PASS
442	442	100	100	100.0	31557	PASS
443	442	15	24	20.1	6344	PASS

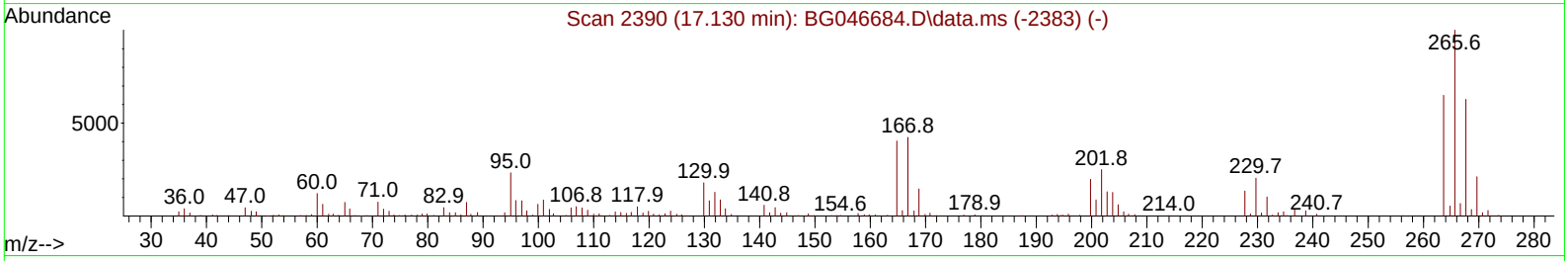
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037223.D
Acq On : 13 Jun 2025 11:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Jun 13 18:35:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 10 06:01:37 2025
Response via : Initial Calibration







TIC: BN037223.D\data.ms

(70) Pentachlorophenol (C)

16.628min (-0.008) 13765.31 ng

response 48504

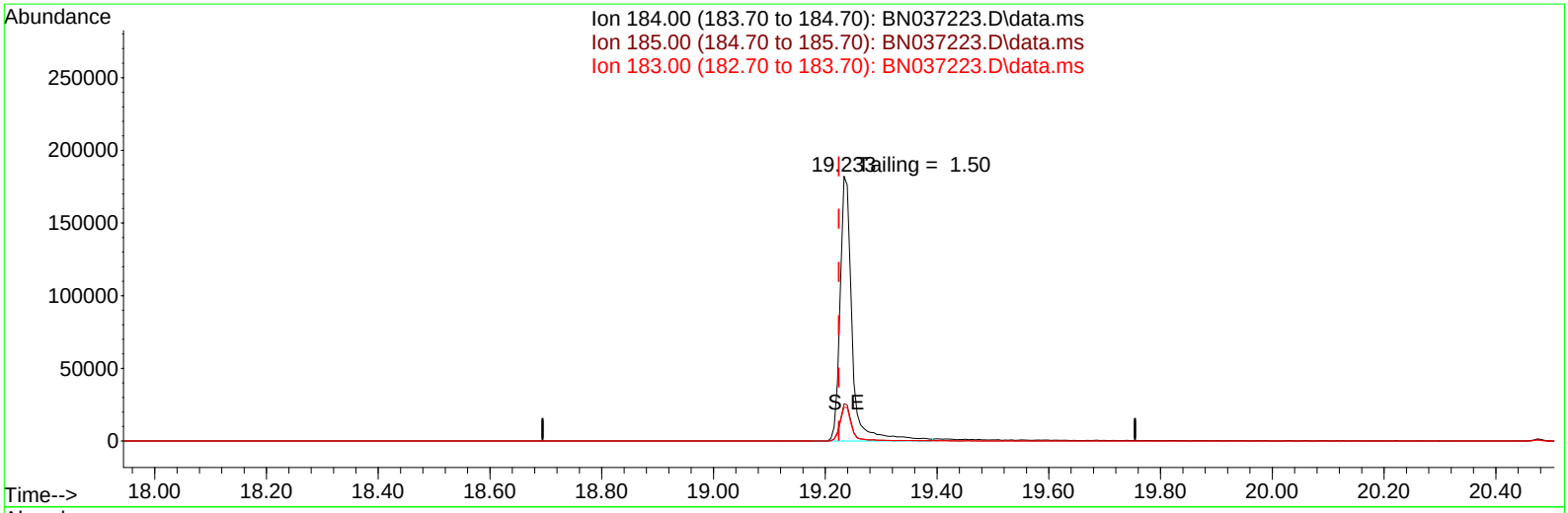
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	61.73
264.00	61.60	61.82
0.00	0.00	0.00

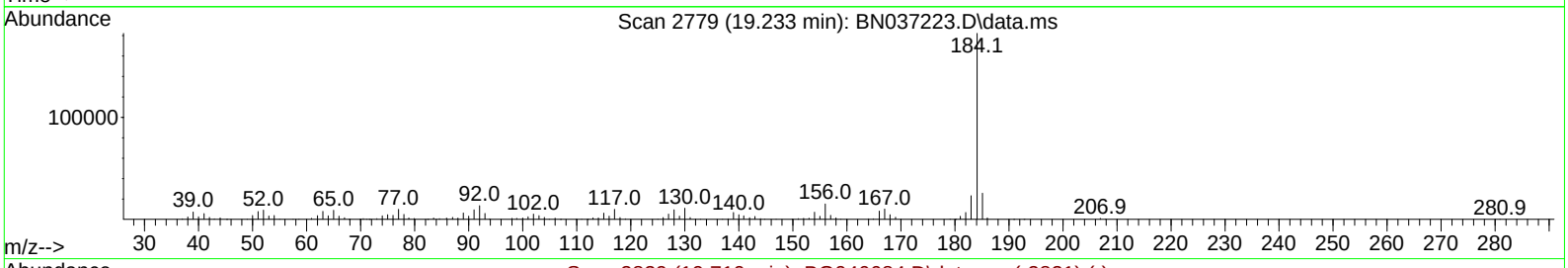
Sample Results: **BN037223.D**

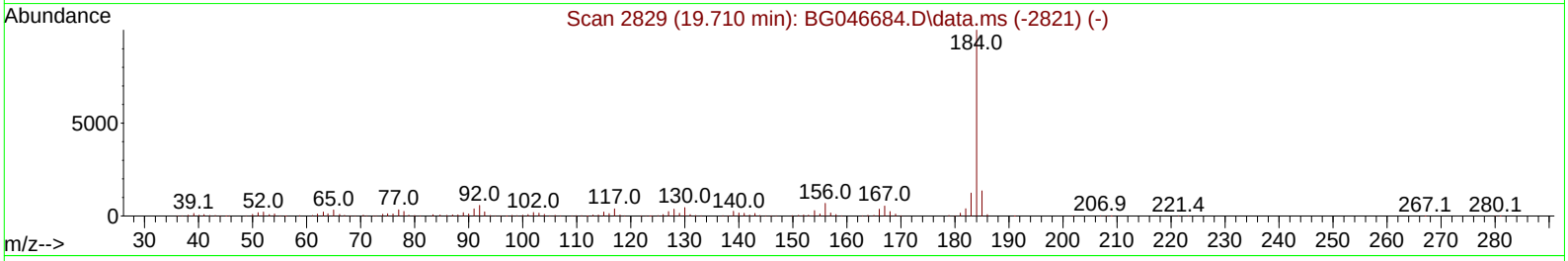
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037223.D
Acq On : 13 Jun 2025 11:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Jun 13 18:35:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 10 06:01:37 2025
Response via : Initial Calibration







TIC: BN037223.D\data.ms

(77) Benzidine

19.233min (+ 0.009) 0.00 ng

response 272616

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.12
183.00	13.20	12.75
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/13/2025	BNA_N	BN037223.D
Compound Name	**Response**	**Retention Time**
DDT	179828	20.475
DDD	1789	20.086
DDE	62	19.528
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
1851	181679	1.02

Instrument :
BNA_N
ClientSampleId :
DFTPP

Raw Data: **BN037233.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB168391BL	SDG No.:	Q2275
Lab Sample ID:	PB168391BL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037233.D	1	06/10/25 12:20	06/13/25 19:00	PB168391

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.32		30 (20) - 150 (139)	81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 (54) - 150 (157)	103%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		30 (27) - 130 (154)	64%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.28		30 (30) - 130 (155)	69%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.35		30 (54) - 130 (175)	88%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1040	7.582			
1146-65-2	Naphthalene-d8	2300	10.372			
15067-26-2	Acenaphthene-d10	1220	14.234			
1517-22-2	Phenanthrene-d10	1840	16.996			
1719-03-5	Chrysene-d12	1580	21.18			
1520-96-3	Perylene-d12	1600	23.368			

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\BN061325\
Data File : BN037233.D
Acq On : 13 Jun 2025 19:00
Operator : RC/JU
Sample : PB168391BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168391BL

Quant Time: Jun 13 22:59:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration

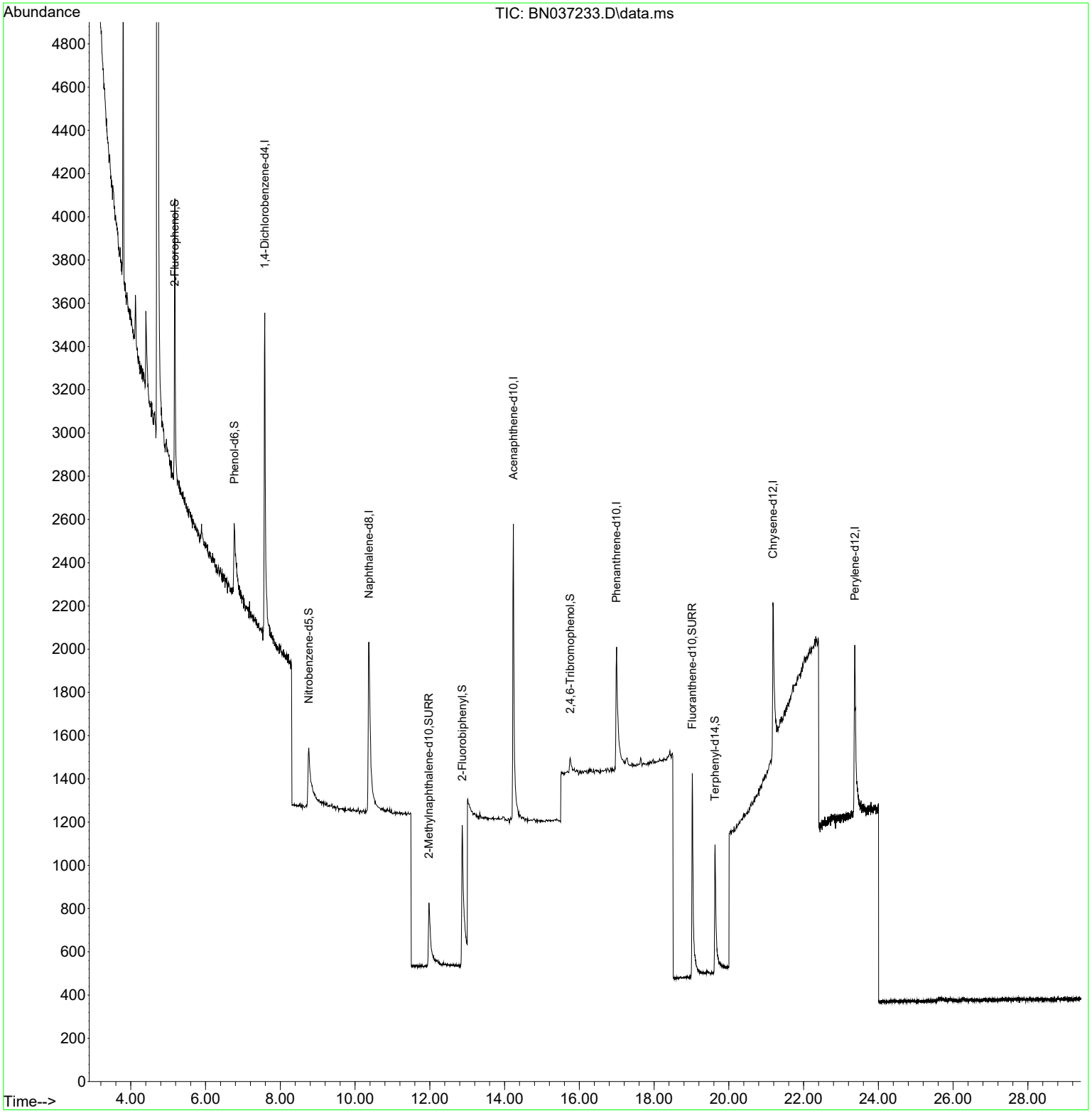
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.582	152	1036	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	2301	0.400	ng	# 0.01
13) Acenaphthene-d10	14.234	164	1224	0.400	ng	0.01
19) Phenanthrene-d10	16.996	188	1841	0.400	ng	0.02
29) Chrysene-d12	21.180	240	1578	0.400	ng	# 0.00
35) Perylene-d12	23.368	264	1599	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	932	0.366	ng	0.00
5) Phenol-d6	6.773	99	734	0.274	ng	0.01
8) Nitrobenzene-d5	8.760	82	585	0.257	ng	0.03
11) 2-Methylnaphthalene-d10	11.976	152	997	0.323	ng	0.02
14) 2,4,6-Tribromophenol	15.755	330	98	0.193	ng	0.02
15) 2-Fluorobiphenyl	12.868	172	1426	0.277	ng	0.02
27) Fluoranthene-d10	19.021	212	1981	0.411	ng	0.00
31) Terphenyl-d14	19.630	244	1248	0.350	ng	0.00
Target Compounds						Qvalue

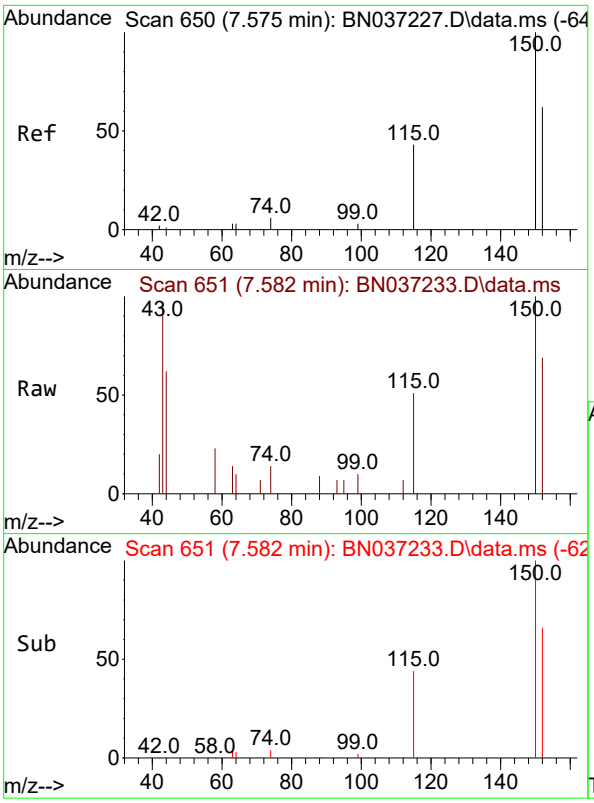
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037233.D
Acq On : 13 Jun 2025 19:00
Operator : RC/JU
Sample : PB168391BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168391BL

Quant Time: Jun 13 22:59:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration



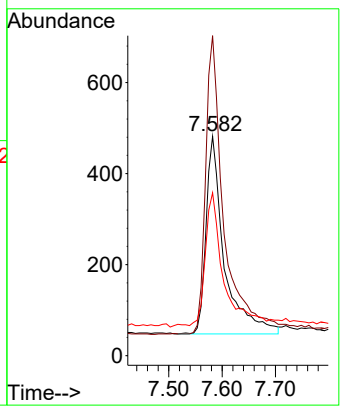


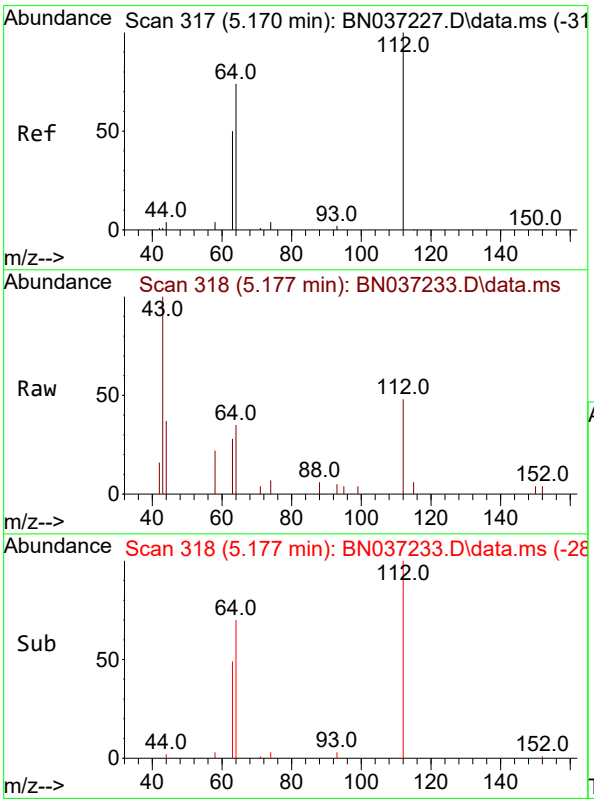
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.582 min Scan# 6
Delta R.T. 0.007 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

Instrument :
BNA_N
ClientSampleId :
PB168391BL

Tgt Ion:152 Resp: 1036

Ion	Ratio	Lower	Upper
152	100		
150	145.9	125.2	187.8
115	74.3	58.4	87.6

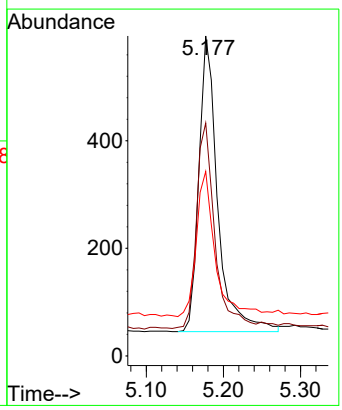


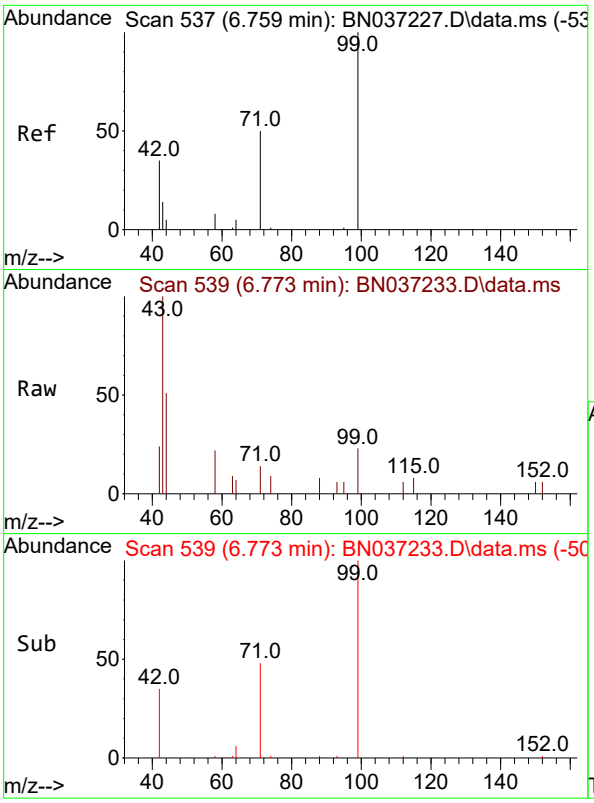


#4
2-Fluorophenol
Concen: 0.366 ng
RT: 5.177 min Scan# 318
Delta R.T. 0.007 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

Tgt Ion:112 Resp: 932

Ion	Ratio	Lower	Upper
112	100		
64	67.5	57.2	85.8
63	48.2	39.8	59.6



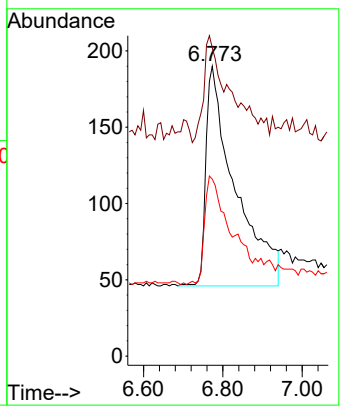


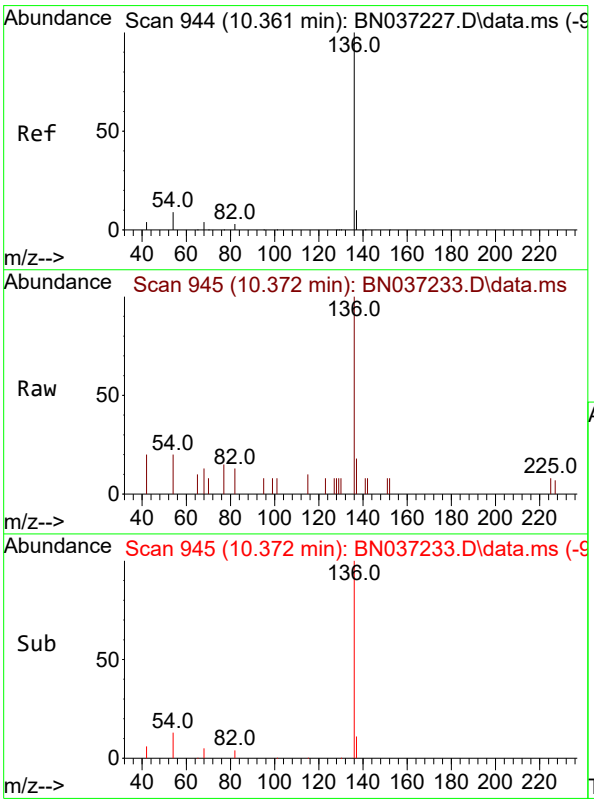
#5
Phenol-d6
Concen: 0.274 ng
RT: 6.773 min Scan# 5
Delta R.T. 0.015 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

Instrument :
BNA_N
ClientSampleId :
PB168391BL

Tgt Ion: 99 Resp: 734

Ion	Ratio	Lower	Upper
99	100		
42	25.2	36.2	54.4#
71	43.9	42.4	63.6

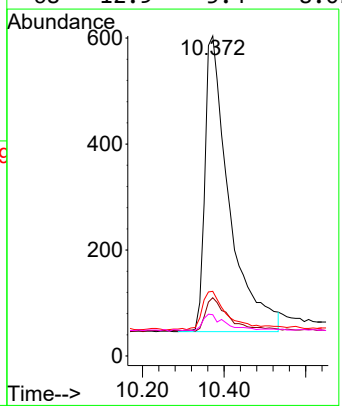


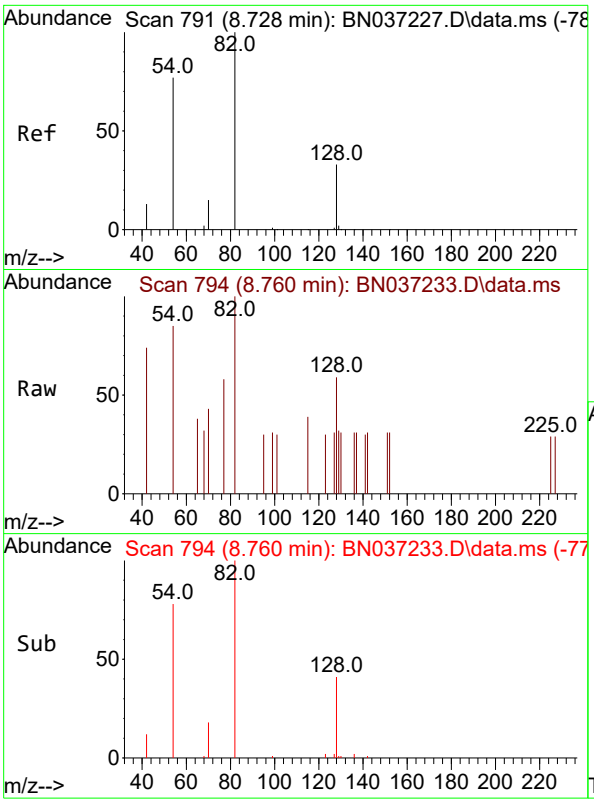


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. 0.011 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

Tgt Ion:136 Resp: 2301

Ion	Ratio	Lower	Upper
136	100		
137	18.2	10.6	15.8#
54	20.2	9.2	13.8#
68	12.9	5.4	8.0#



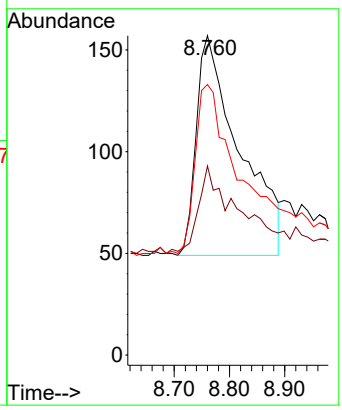


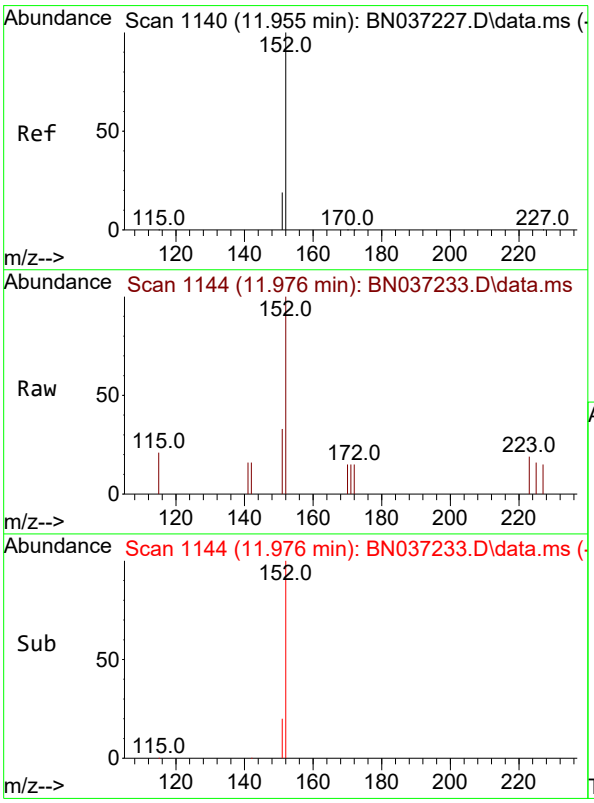
#8
Nitrobenzene-d5
Concen: 0.257 ng
RT: 8.760 min Scan# 7
Delta R.T. 0.032 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

Instrument :
BNA_N
ClientSampleId :
PB168391BL

Tgt Ion: 82 Resp: 585

Ion	Ratio	Lower	Upper
82	100		
128	59.2	31.2	46.8#
54	84.7	63.3	94.9

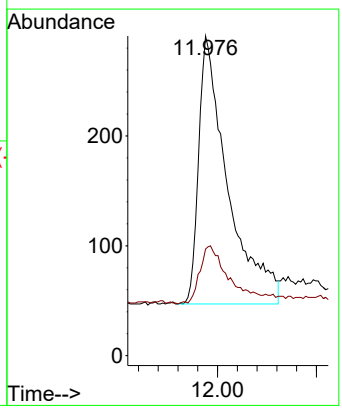


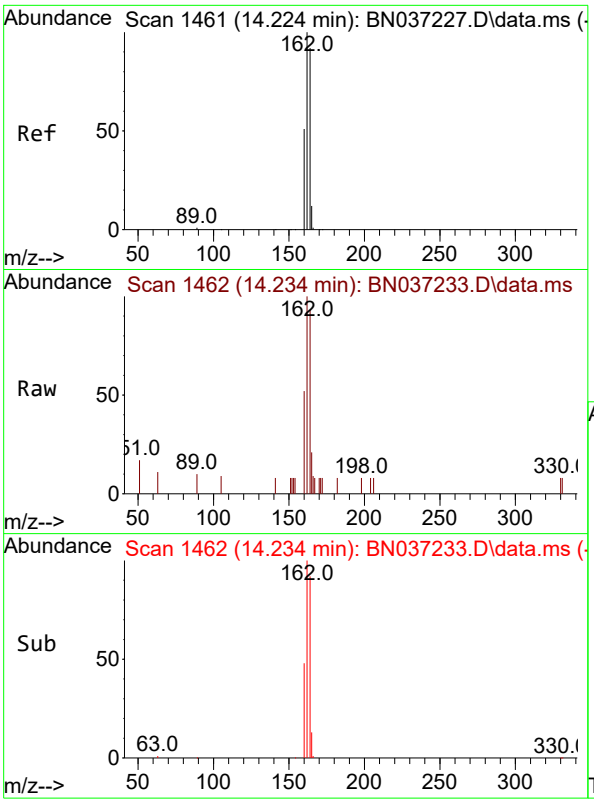


#11
2-Methylnaphthalene-d10
Concen: 0.323 ng
RT: 11.976 min Scan# 1144
Delta R.T. 0.020 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

Tgt Ion:152 Resp: 997

Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.9	26.9



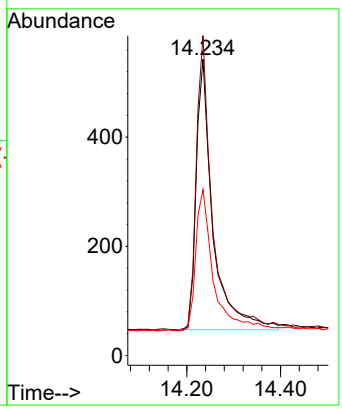


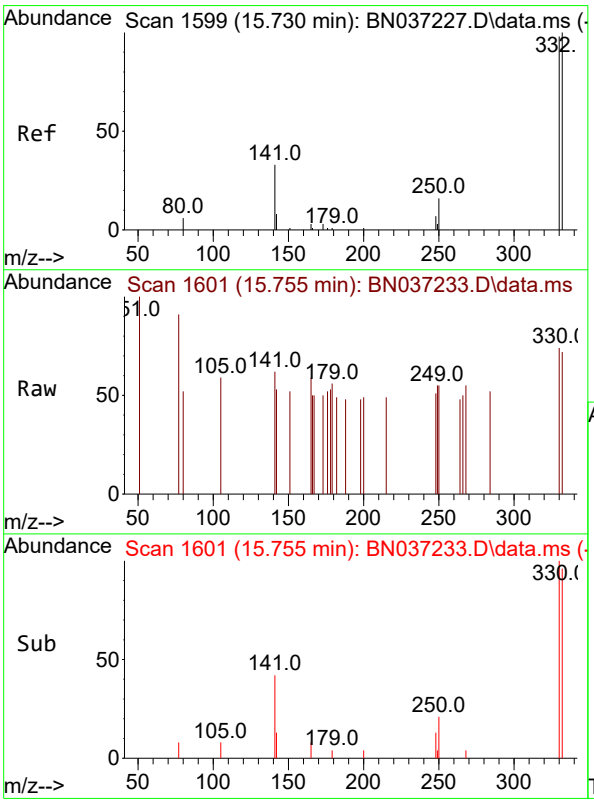
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 14
Delta R.T. 0.011 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

Instrument :
BNA_N
ClientSampleId :
PB168391BL

Tgt Ion:164 Resp: 1224

Ion	Ratio	Lower	Upper
164	100		
162	107.9	86.7	130.1
160	56.0	45.8	68.6

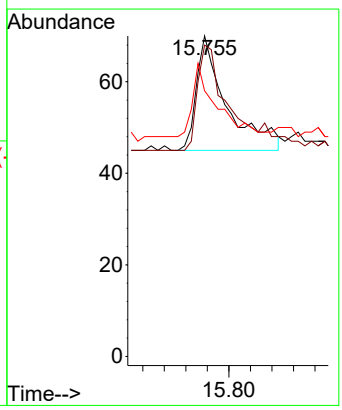


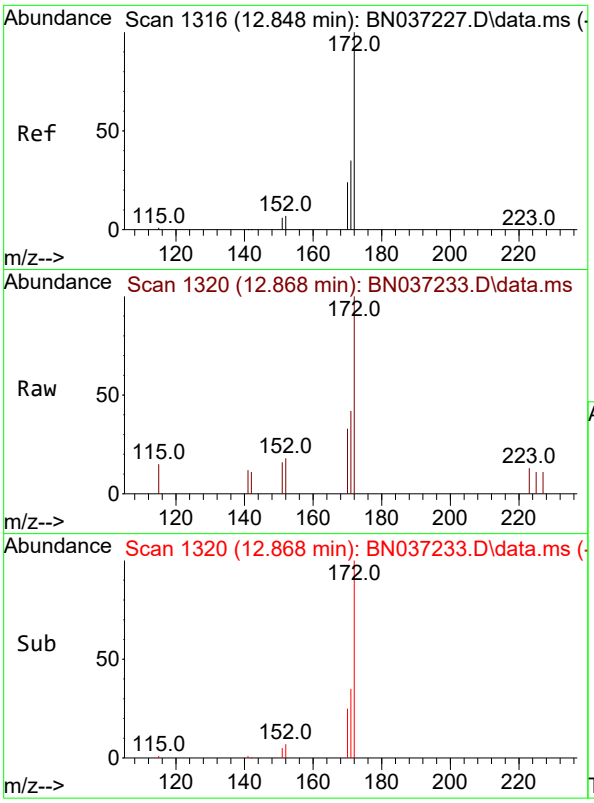


#14
2,4,6-Tribromophenol
Concen: 0.193 ng
RT: 15.755 min Scan# 1601
Delta R.T. 0.025 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

Tgt Ion:330 Resp: 98

Ion	Ratio	Lower	Upper
330	100		
332	94.9	74.9	112.3
141	50.0	45.1	67.7



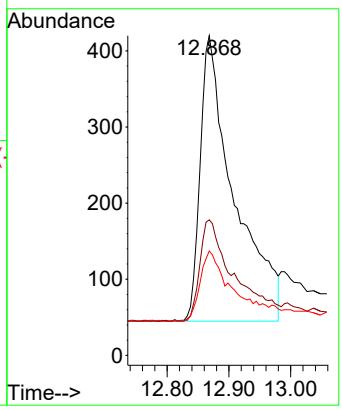


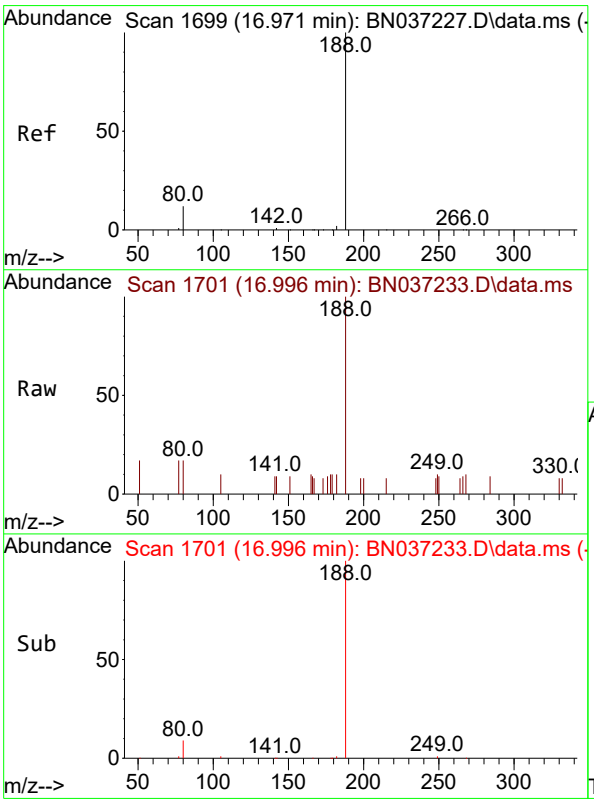
#15
2-Fluorobiphenyl
Concen: 0.277 ng
RT: 12.868 min Scan# 1
Delta R.T. 0.020 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

Instrument :
BNA_N
ClientSampleId :
PB168391BL

Tgt Ion:172 Resp: 1426

Ion	Ratio	Lower	Upper
172	100		
171	42.4	29.8	44.8
170	32.6	21.1	31.7#

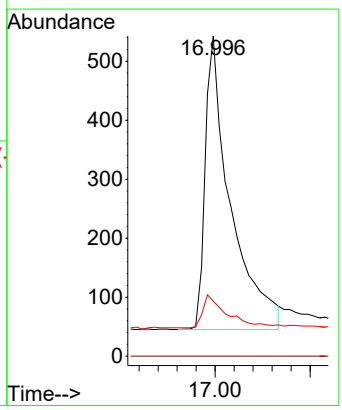


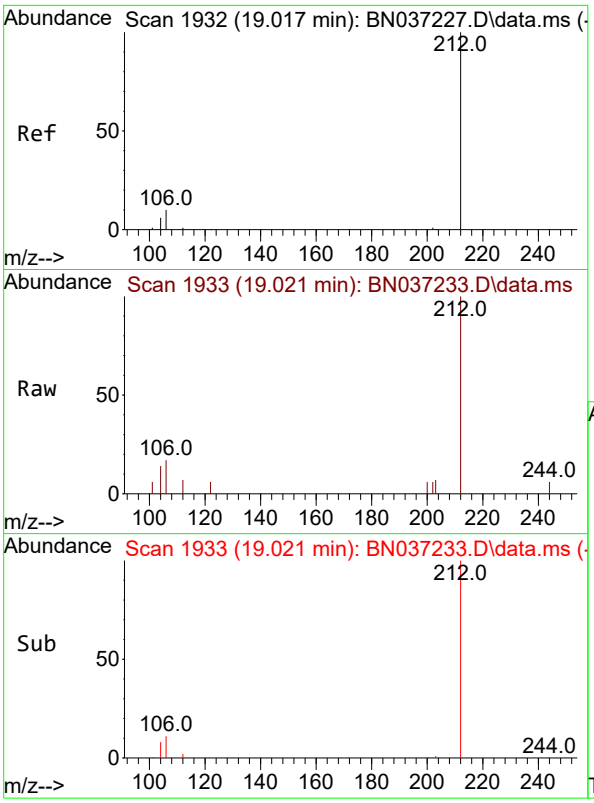


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.996 min Scan# 1701
Delta R.T. 0.025 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

Tgt Ion:188 Resp: 1841

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	17.1	12.2	18.4



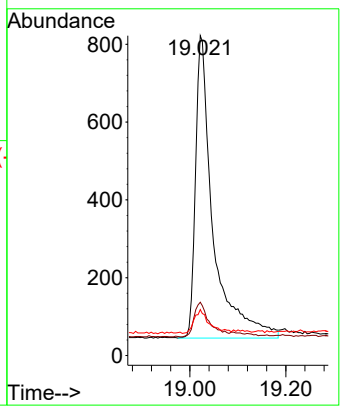


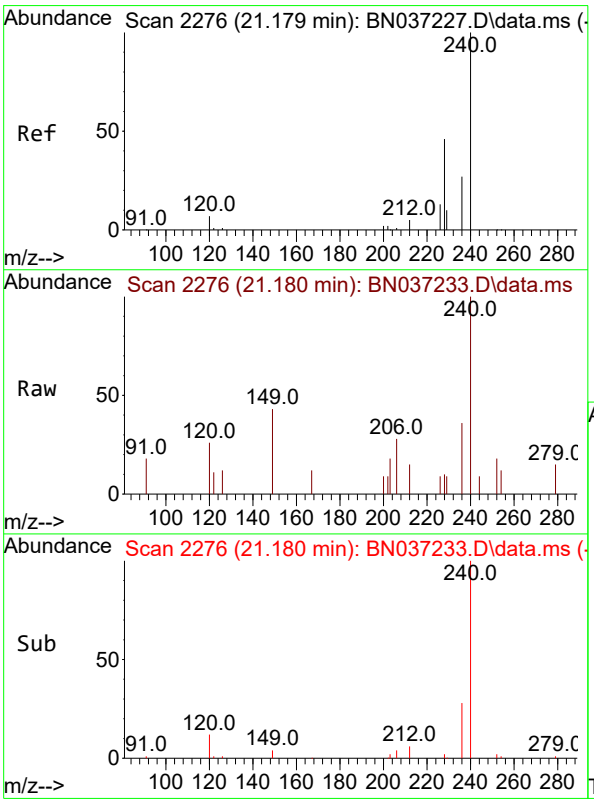
#27
Fluoranthene-d10
Concen: 0.411 ng
RT: 19.021 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

Instrument :
BNA_N
ClientSampleId :
PB168391BL

Tgt Ion:212 Resp: 1981

Ion	Ratio	Lower	Upper
212	100		
106	10.0	9.3	13.9
104	6.4	5.7	8.5

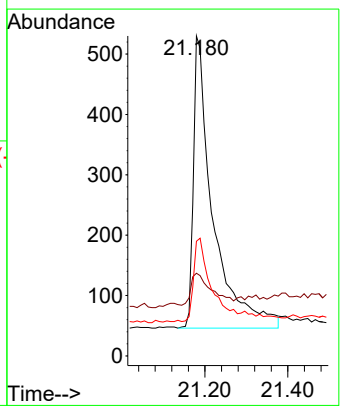


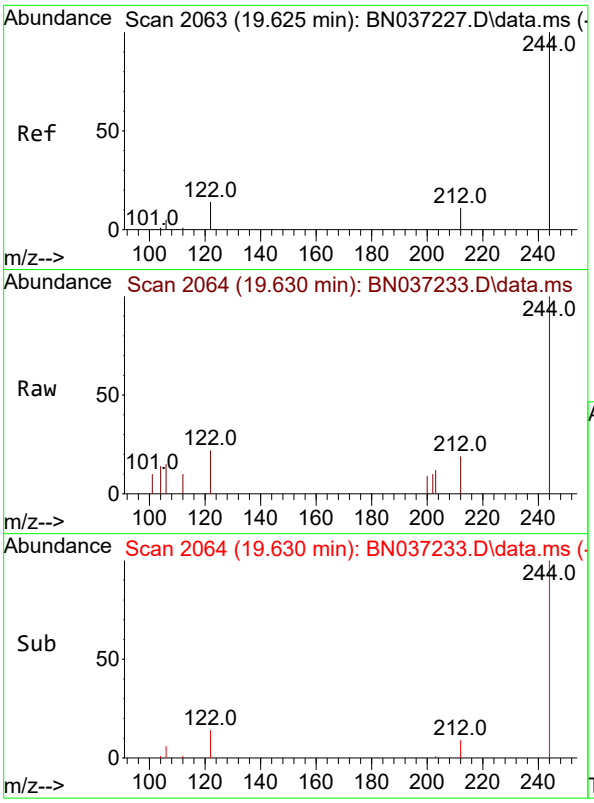


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

Tgt Ion:240 Resp: 1578

Ion	Ratio	Lower	Upper
240	100		
120	25.8	11.3	16.9#
236	35.8	24.4	36.6



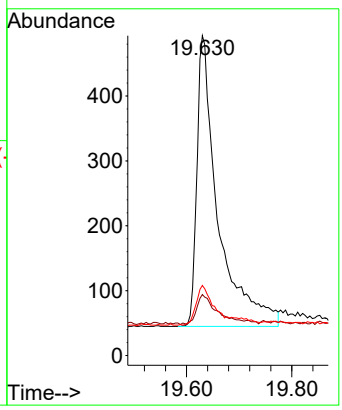


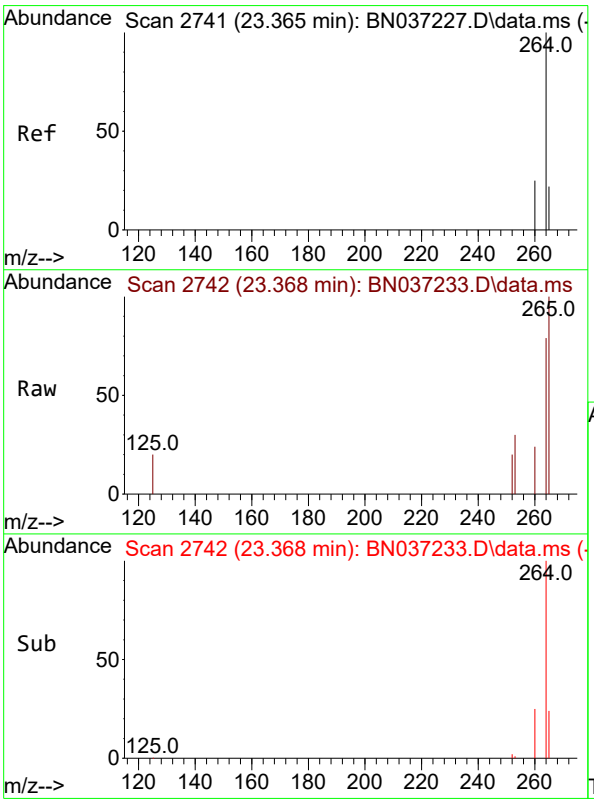
#31
Terphenyl-d14
Concen: 0.350 ng
RT: 19.630 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

Instrument :
BNA_N
ClientSampleId :
PB168391BL

Tgt Ion:244 Resp: 1248

Ion	Ratio	Lower	Upper
244	100		
212	19.1	12.2	18.2#
122	21.9	14.3	21.5#

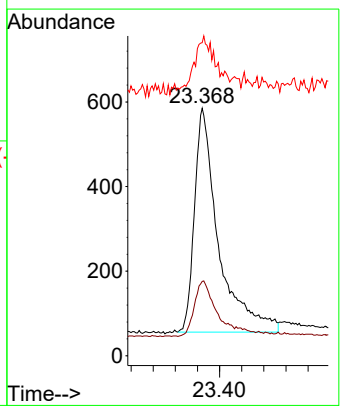




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.368 min Scan# 2742
Delta R.T. 0.003 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

Tgt Ion:264 Resp: 1599

Ion	Ratio	Lower	Upper
264	100		
260	30.1	22.8	34.2
265	126.5	66.4	99.6#



Raw Data: **BN037236.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB168391BS	SDG No.:	Q2275
Lab Sample ID:	PB168391BS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037236.D	1	06/10/25 12:20	06/13/25 20:49	PB168391

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.39		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.39		30 (20) - 150 (139)	97%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 (54) - 150 (157)	85%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		30 (27) - 130 (154)	90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		30 (30) - 130 (155)	92%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		30 (54) - 130 (175)	93%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1480	7.575			
1146-65-2	Naphthalene-d8	3520	10.351			
15067-26-2	Acenaphthene-d10	1760	14.224			
1517-22-2	Phenanthrene-d10	2960	16.971			
1719-03-5	Chrysene-d12	2090	21.171			
1520-96-3	Perylene-d12	1980	23.363			

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\BN061325\
Data File : BN037236.D
Acq On : 13 Jun 2025 20:49
Operator : RC/JU
Sample : PB168391BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168391BS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

Quant Time: Jun 13 23:00:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.575	152	1477	0.400	ng	0.00
7) Naphthalene-d8	10.351	136	3518	0.400	ng	#-0.01
13) Acenaphthene-d10	14.224	164	1759	0.400	ng	0.00
19) Phenanthrene-d10	16.971	188	2958	0.400	ng	0.00
29) Chrysene-d12	21.171	240	2090	0.400	ng	# 0.00
35) Perylene-d12	23.363	264	1978	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	1185	0.327	ng	0.00
5) Phenol-d6	6.759	99	1317	0.344	ng	0.00
8) Nitrobenzene-d5	8.728	82	1257	0.362	ng	0.00
11) 2-Methylnaphthalene-d10	11.955	152	1832m	0.388	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	226	0.309	ng	0.00
15) 2-Fluorobiphenyl	12.848	172	2730	0.369	ng	0.00
27) Fluoranthene-d10	19.017	212	2623	0.339	ng	0.00
31) Terphenyl-d14	19.625	244	1755	0.371	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.104	88	796	0.393	ng	# 43
3) n-Nitrosodimethylamine	3.415	42	1681	0.364	ng	# 98
6) bis(2-Chloroethyl)ether	7.012	93	1244	0.363	ng	94
9) Naphthalene	10.404	128	3505	0.344	ng	98
10) Hexachlorobutadiene	10.693	225	890	0.359	ng	# 97
12) 2-Methylnaphthalene	12.031	142	1932	0.312	ng	98
16) Acenaphthylene	13.946	152	3185	0.370	ng	98
17) Acenaphthene	14.288	154	1906	0.343	ng	99
18) Fluorene	15.282	166	2411	0.337	ng	99
20) 4,6-Dinitro-2-methylph...	15.378	198	219	0.399	ng	89
21) 4-Bromophenyl-phenylether	16.177	248	702	0.364	ng	96
22) Hexachlorobenzene	16.289	284	839	0.375	ng	98
23) Atrazine	16.450	200	638	0.371	ng	# 91
24) Pentachlorophenol	16.636	266	229	0.209	ng	95
25) Phenanthrene	17.021	178	3397	0.362	ng	99
26) Anthracene	17.108	178	3155	0.367	ng	99
28) Fluoranthene	19.045	202	3664	0.334	ng	99
30) Pyrene	19.412	202	3754	0.382	ng	100
32) Benzo(a)anthracene	21.162	228	2669	0.378	ng	99
33) Chrysene	21.206	228	3248	0.369	ng	100
34) Bis(2-ethylhexyl)phtha...	21.099	149	2029	0.386	ng	98
36) Indeno(1,2,3-cd)pyrene	25.552	276	3030	0.380	ng	99
37) Benzo(b)fluoranthene	22.708	252	2546	0.352	ng	95
38) Benzo(k)fluoranthene	22.754	252	3130	0.375	ng	97
39) Benzo(a)pyrene	23.269	252	2538	0.390	ng	96
40) Dibenzo(a,h)anthracene	25.570	278	2336	0.385	ng	100
41) Benzo(g,h,i)perylene	26.219	276	2629	0.355	ng	95

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

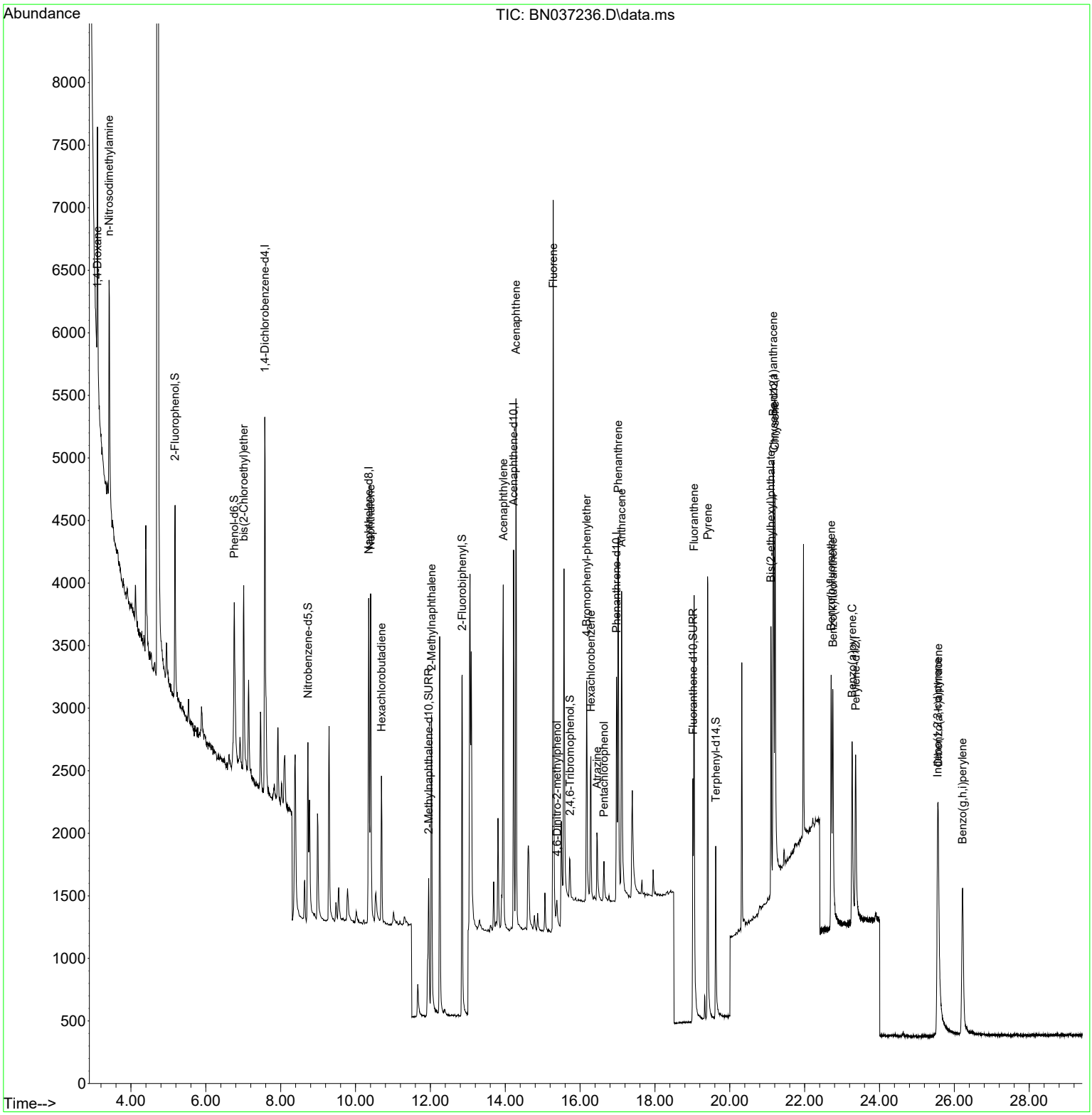
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037236.D
Acq On : 13 Jun 2025 20:49
Operator : RC/JU
Sample : PB168391BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

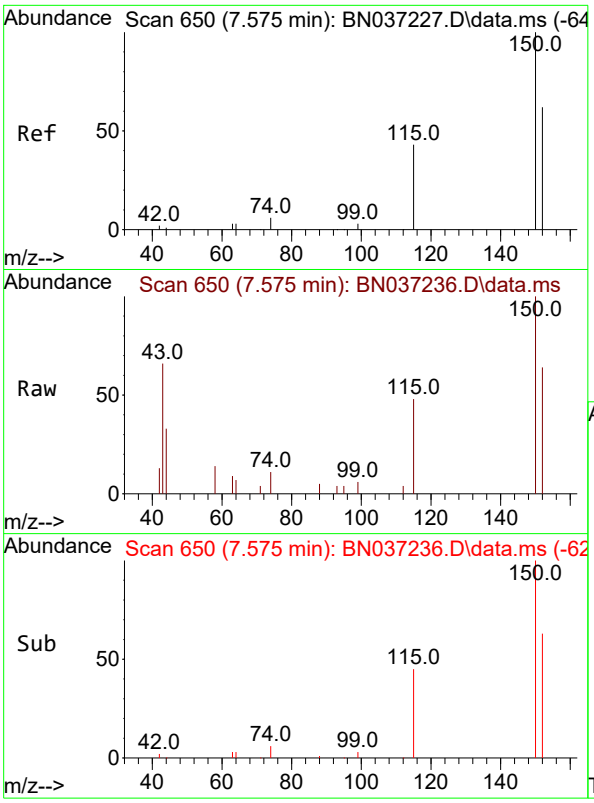
Quant Time: Jun 13 23:00:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB168391BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

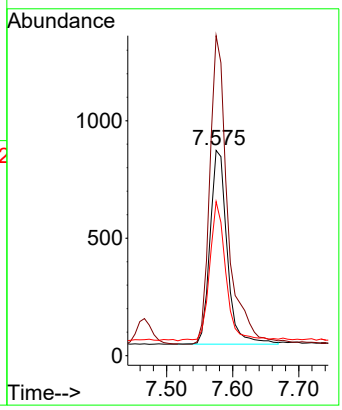




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.575 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:152 Resp: 147

Ion	Ratio	Lower	Upper
152	100		
150	155.8	125.2	187.8
115	75.1	58.4	87.6



Instrument :
BNA_N
ClientSampleId :
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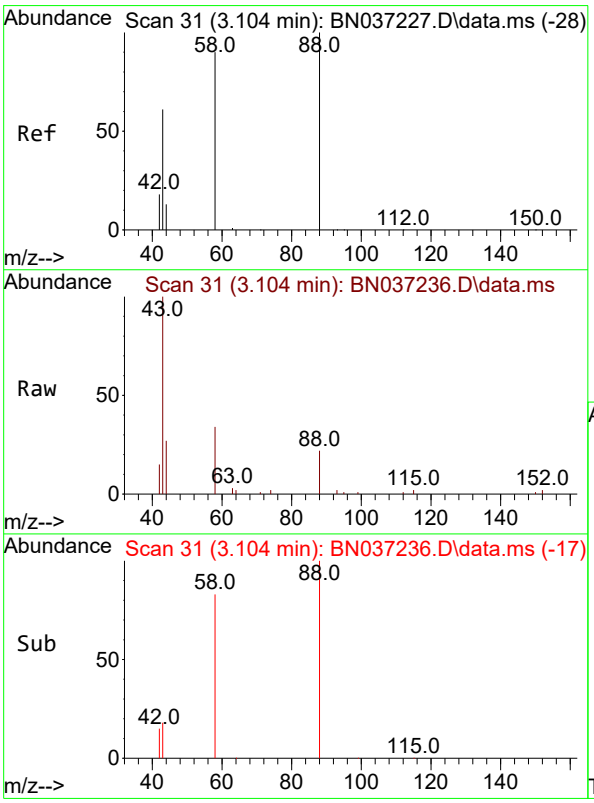
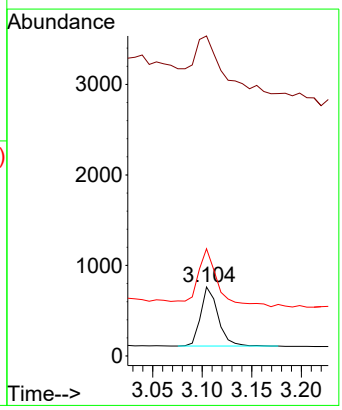
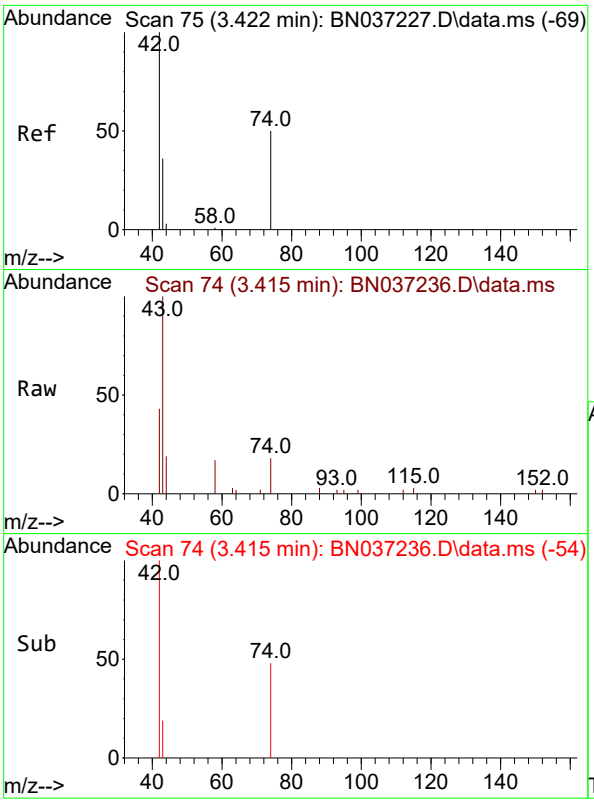


#2
1,4-Dioxane
Concen: 0.393 ng
RT: 3.104 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion: 88 Resp: 796

Ion	Ratio	Lower	Upper
88	100		
43	154.0	52.6	79.0#
58	109.7	73.5	110.3





#3
n-Nitrosodimethylamine
Concen: 0.364 ng
RT: 3.415 min Scan# 74
Delta R.T. -0.007 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion: 42 Resp: 168

Ion	Ratio	Lower	Upper
42	100		
74	54.7	44.6	66.8
44	5.9	3.5	5.3

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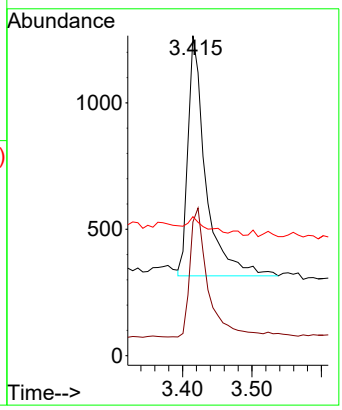
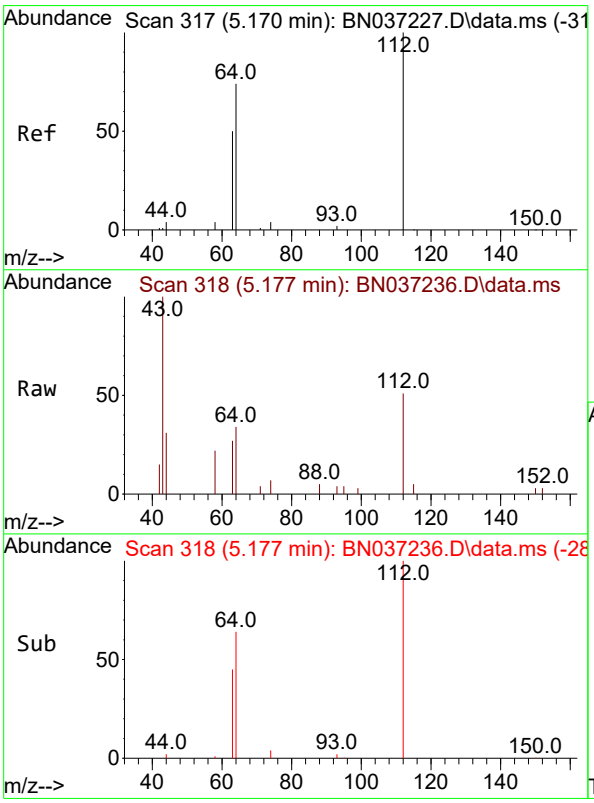
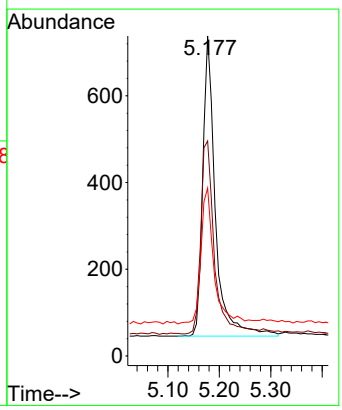


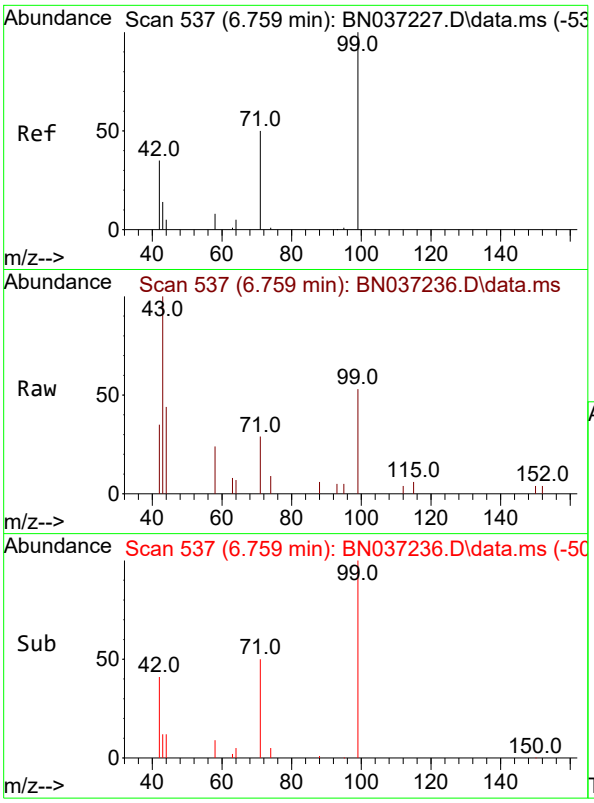


#4
2-Fluorophenol
Concen: 0.327 ng
RT: 5.177 min Scan# 318
Delta R.T. 0.007 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:112 Resp: 1185

Ion	Ratio	Lower	Upper
112	100		
64	69.1	57.2	85.8
63	47.2	39.8	59.6

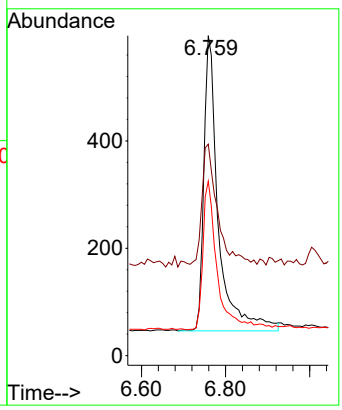




#5
Phenol-d6
Concen: 0.344 ng
RT: 6.759 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion: 99 Resp: 131

Ion	Ratio	Lower	Upper
99	100		
42	42.7	36.2	54.4
71	48.7	42.4	63.6



Instrument :
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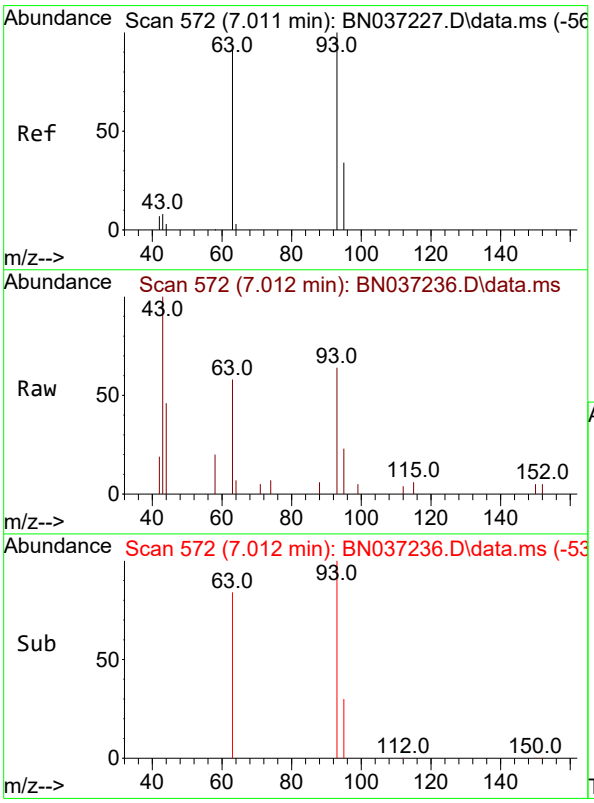
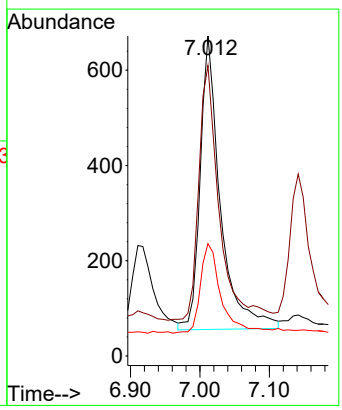
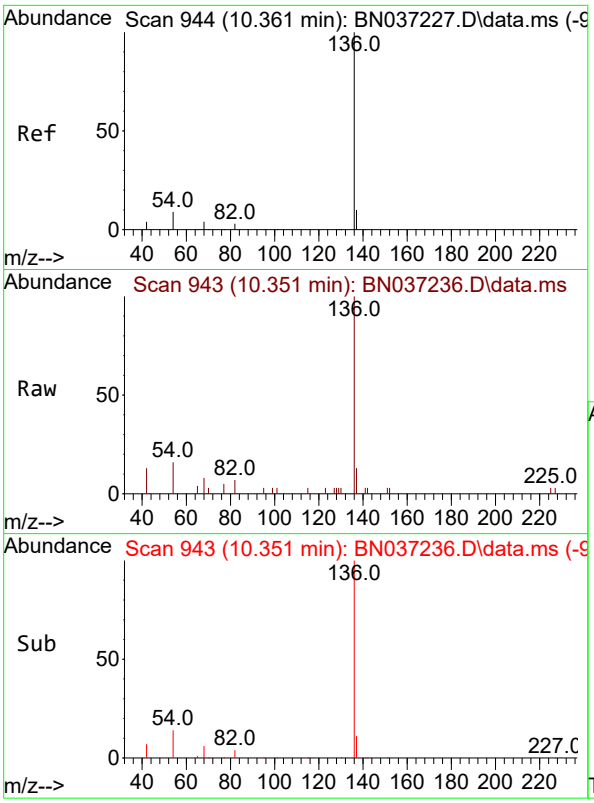


#6
bis(2-Chloroethyl)ether
Concen: 0.363 ng
RT: 7.012 min Scan# 572
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion: 93 Resp: 1244

Ion	Ratio	Lower	Upper
93	100		
63	87.9	75.2	112.8
95	31.4	28.3	42.5

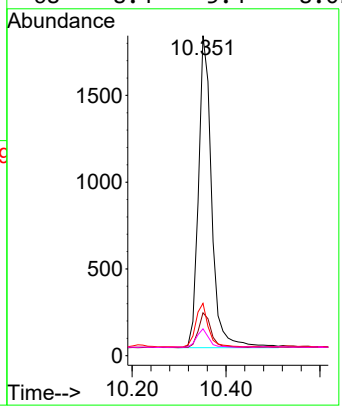




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:136 Resp: 351

Ion	Ratio	Lower	Upper
136	100		
137	13.4	10.6	15.8
54	16.4	9.2	13.8#
68	8.4	5.4	8.0#



Instrument :
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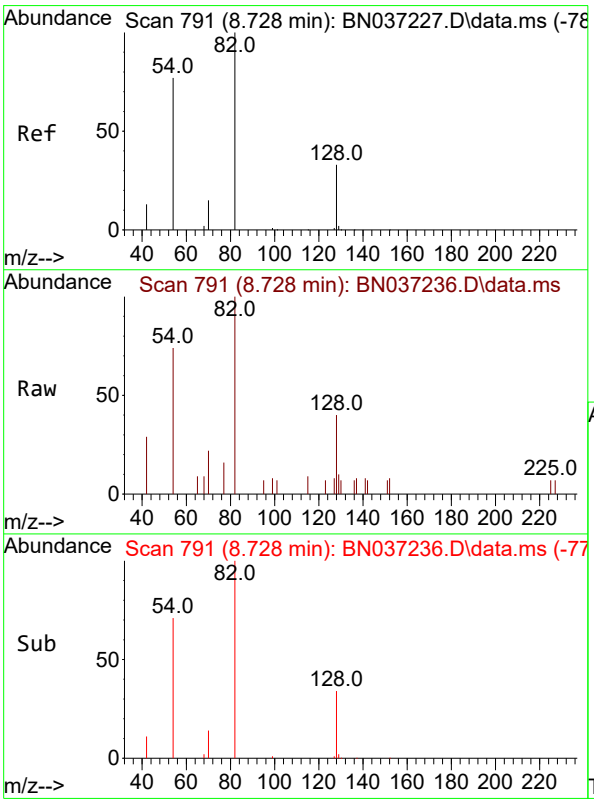
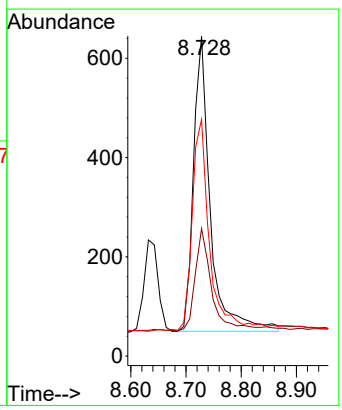
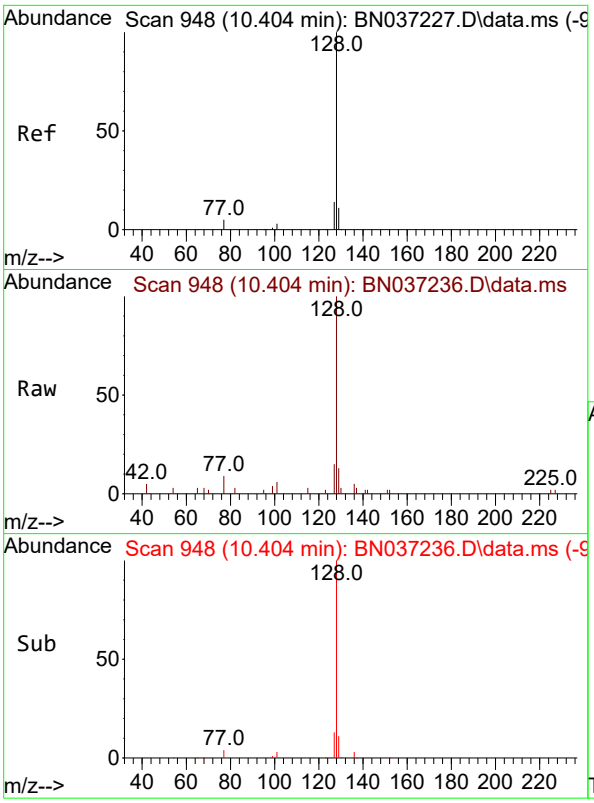


#8
Nitrobenzene-d5
Concen: 0.362 ng
RT: 8.728 min Scan# 791
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion: 82 Resp: 1257

Ion	Ratio	Lower	Upper
82	100		
128	39.8	31.2	46.8
54	74.0	63.3	94.9

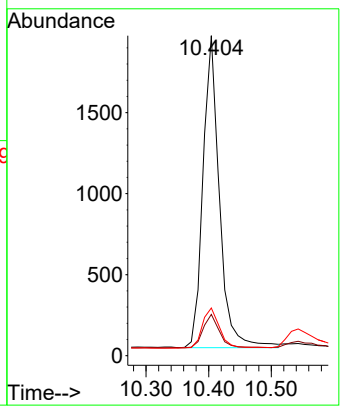




#9
Naphthalene
Concen: 0.344 ng
RT: 10.404 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:128 Resp: 350

Ion	Ratio	Lower	Upper
128	100		
129	12.9	10.7	16.1
127	14.9	12.6	19.0



Instrument :
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ClientSampleId :
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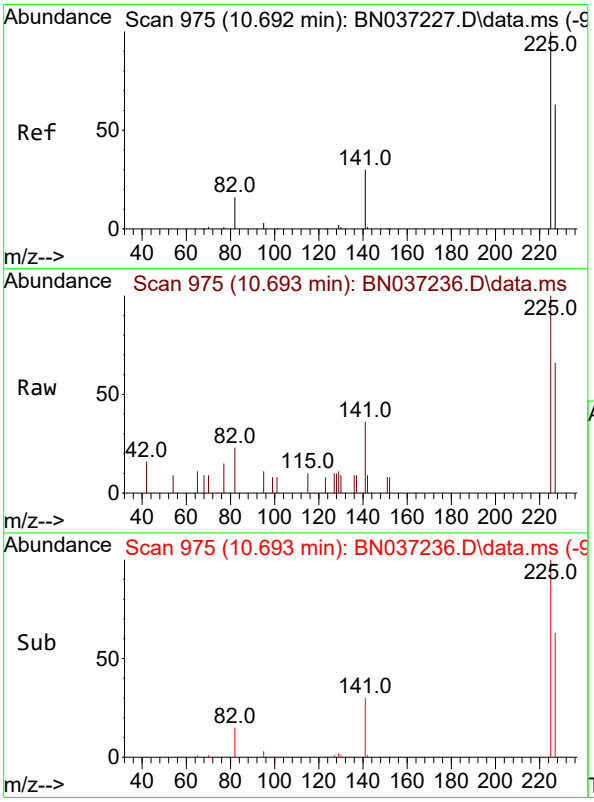
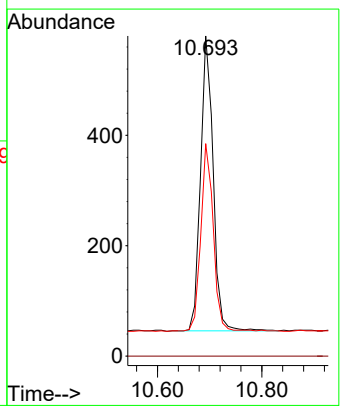
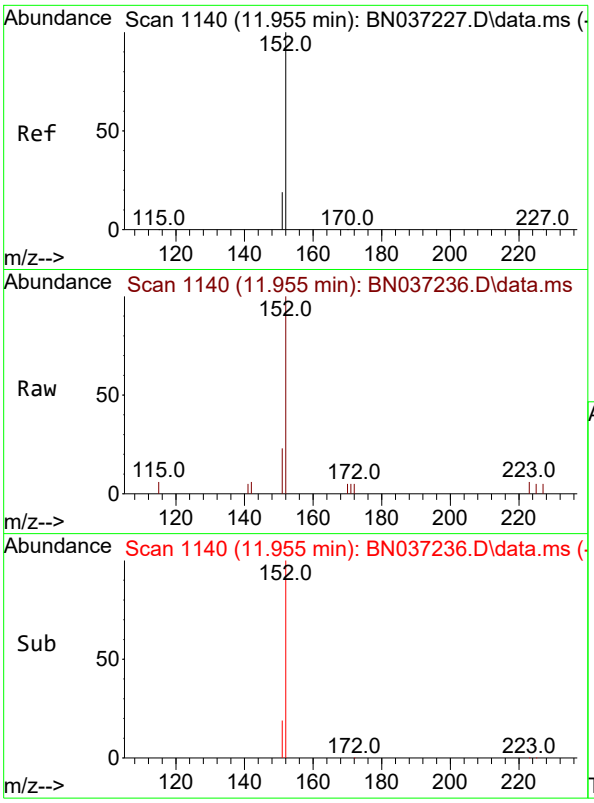


#10
Hexachlorobutadiene
Concen: 0.359 ng
RT: 10.693 min Scan# 975
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:225 Resp: 890

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	49.2	73.8





#11
2-Methylnaphthalene-d10
Concen: 0.388 ng m
RT: 11.955 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:152 Resp: 183

Ion	Ratio	Lower	Upper
152	100		
151	20.5	17.9	26.9

Instrument :
BNA_N
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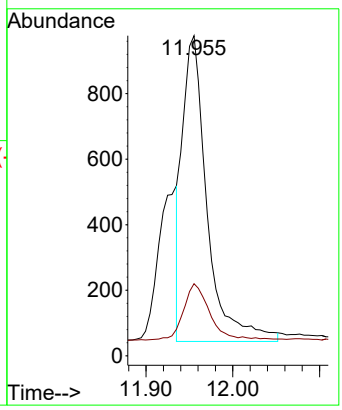
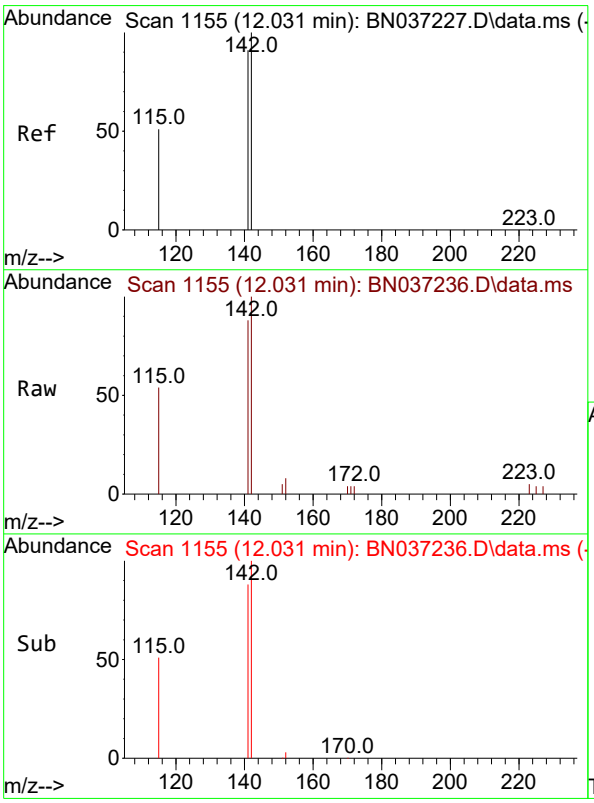
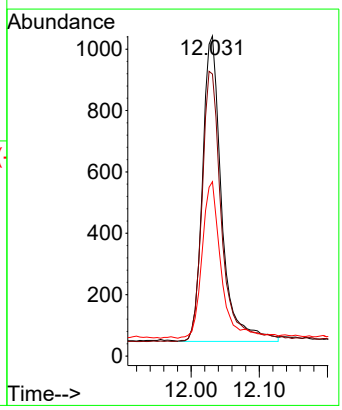


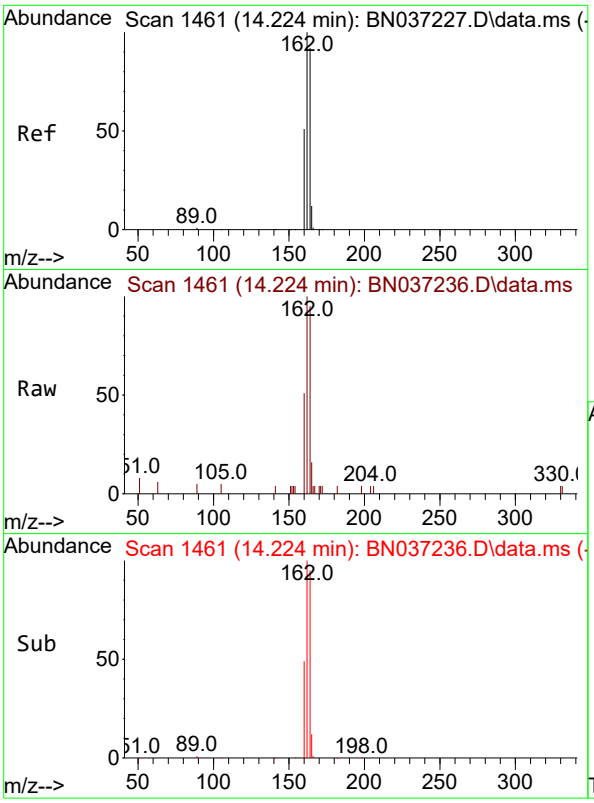


#12
2-Methylnaphthalene
Concen: 0.312 ng
RT: 12.031 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:142 Resp: 1932

Ion	Ratio	Lower	Upper
142	100		
141	88.1	73.0	109.6
115	54.5	43.3	64.9

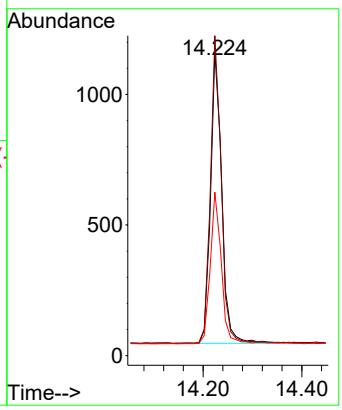




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:164 Resp: 175

Ion	Ratio	Lower	Upper
164	100		
162	105.4	86.7	130.1
160	53.9	45.8	68.6



Instrument :
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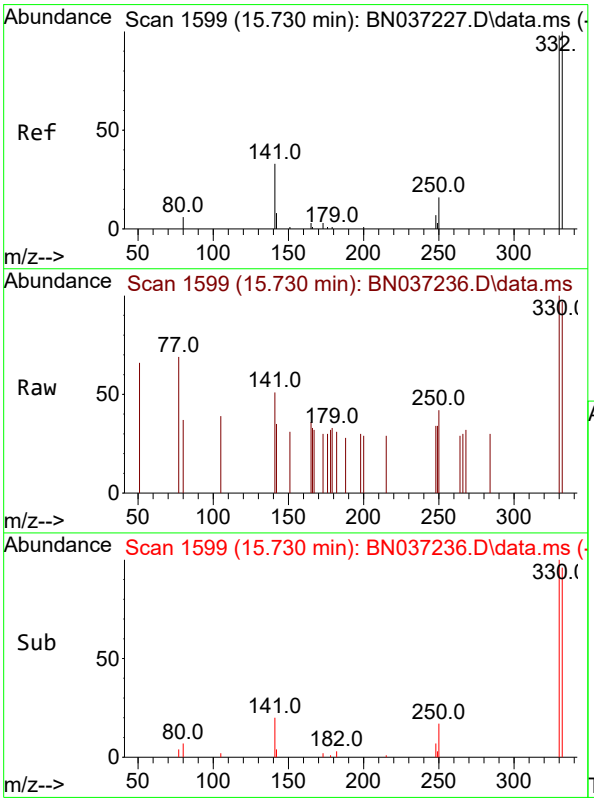
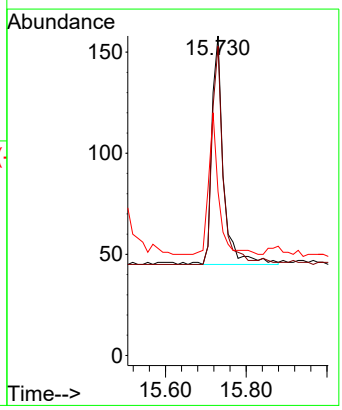
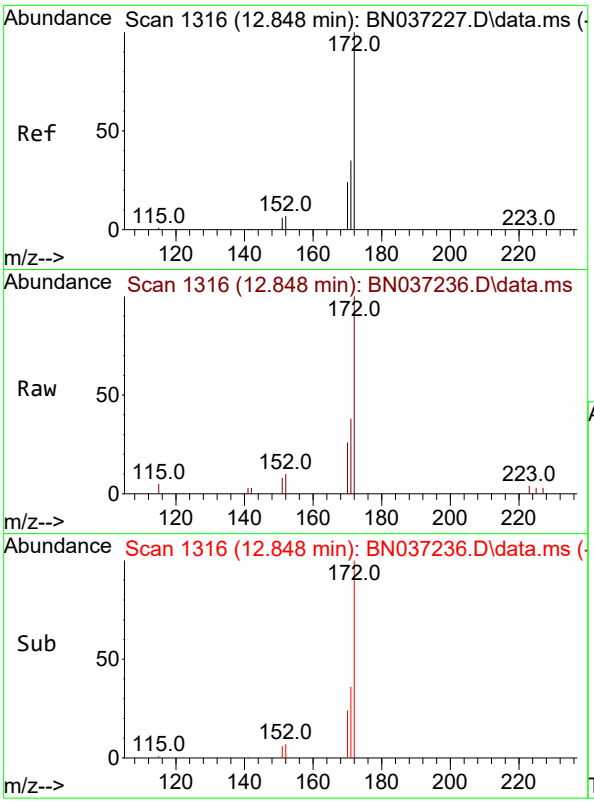


#14
2,4,6-Tribromophenol
Concen: 0.309 ng
RT: 15.730 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:330 Resp: 226

Ion	Ratio	Lower	Upper
330	100		
332	90.3	74.9	112.3
141	53.1	45.1	67.7

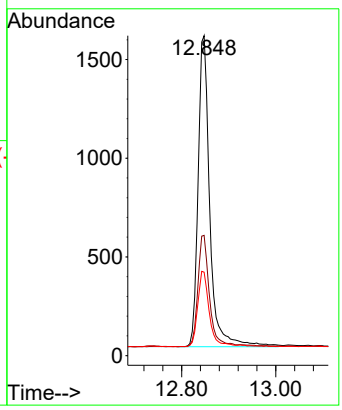




#15
2-Fluorobiphenyl
Concen: 0.369 ng
RT: 12.848 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:172 Resp: 273

Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.8	44.8
170	26.1	21.1	31.7



Instrument :
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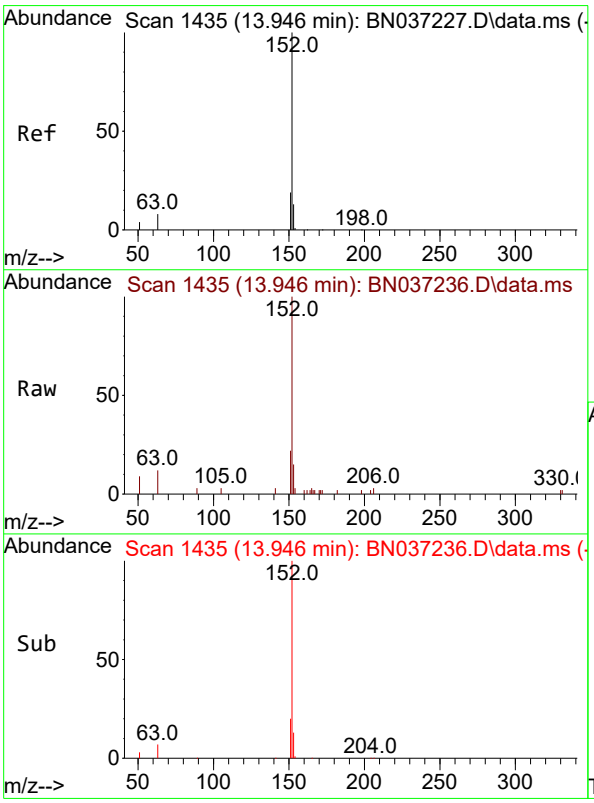
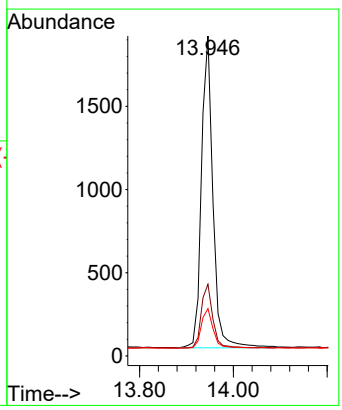
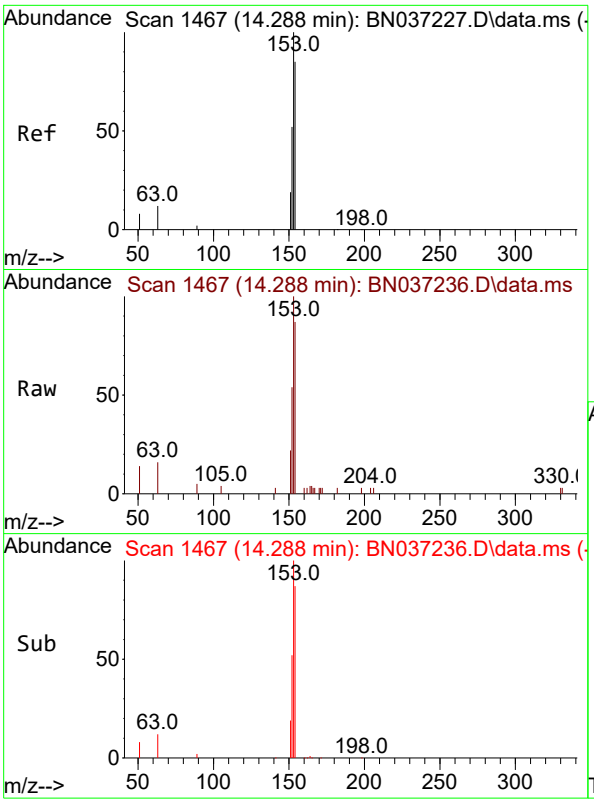


#16
Acenaphthylene
Concen: 0.370 ng
RT: 13.946 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:152 Resp: 3185

Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.7	23.5
153	13.2	10.7	16.1

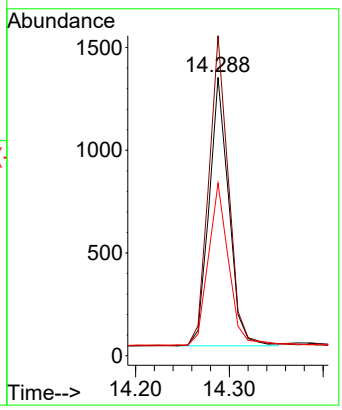




#17
Acenaphthene
Concen: 0.343 ng
RT: 14.288 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:154 Resp: 190

Ion	Ratio	Lower	Upper
154	100		
153	116.8	94.6	141.8
152	62.2	49.6	74.4



Instrument :
BNA_N
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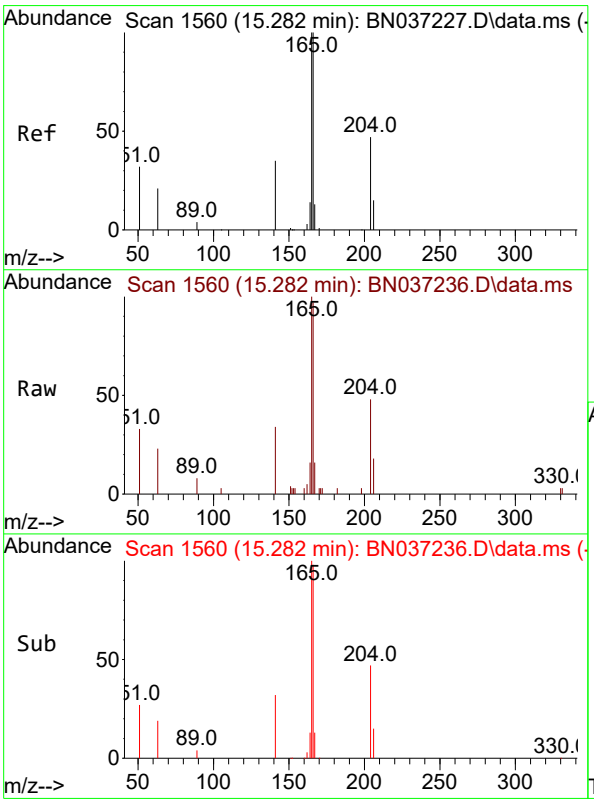
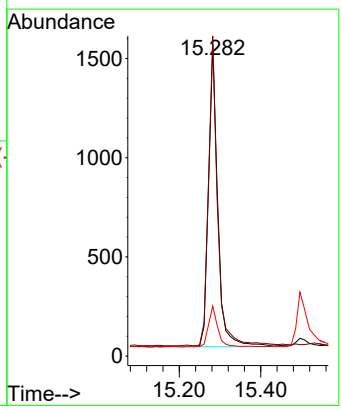
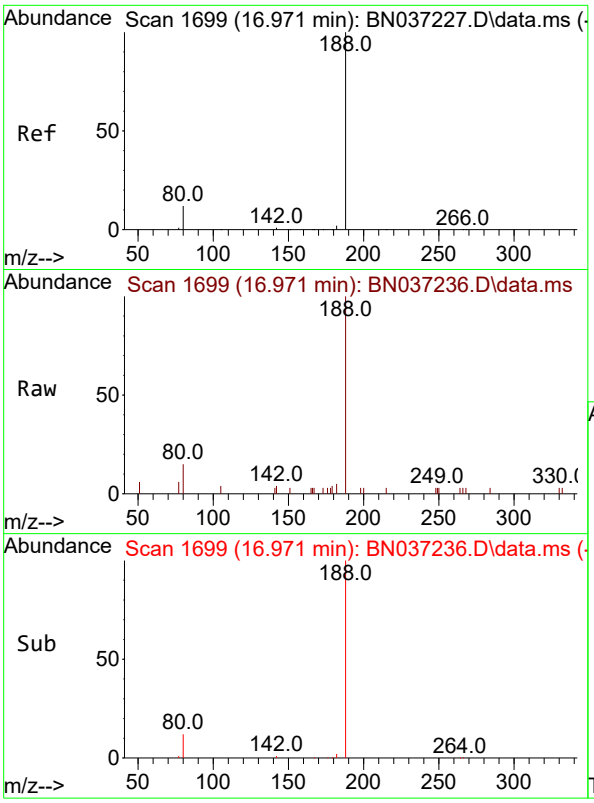


#18
Fluorene
Concen: 0.337 ng
RT: 15.282 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:166 Resp: 2411

Ion	Ratio	Lower	Upper
166	100		
165	100.3	79.8	119.6
167	13.5	10.8	16.2





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:188 Resp: 295

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.1	12.2	18.4

Instrument :
BNA_N
ClientSampleId :
PB168391BS

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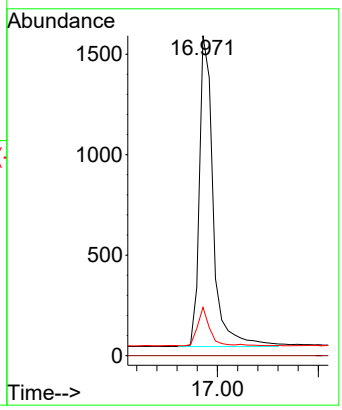
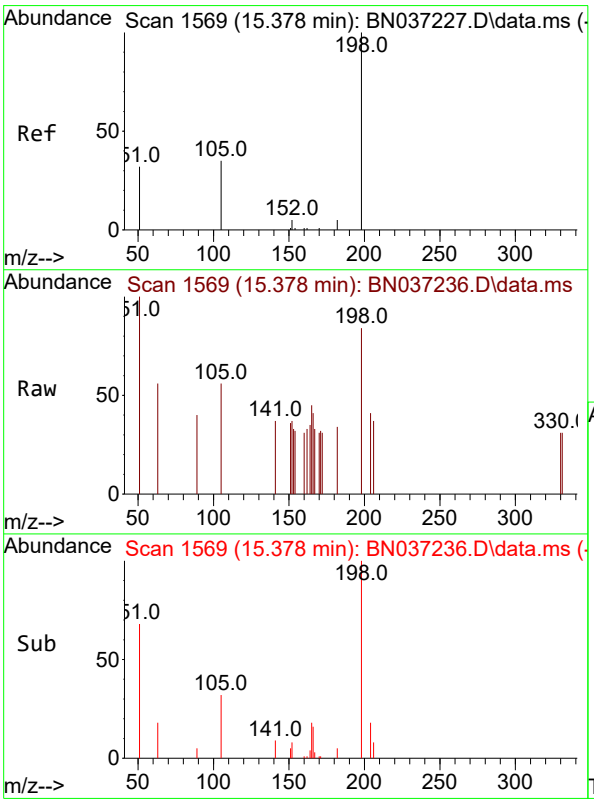
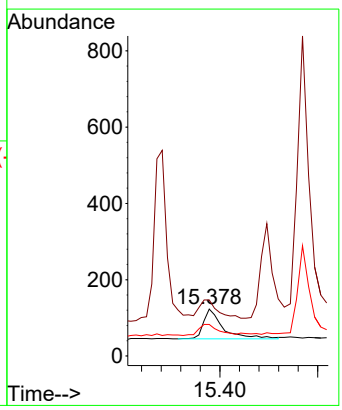


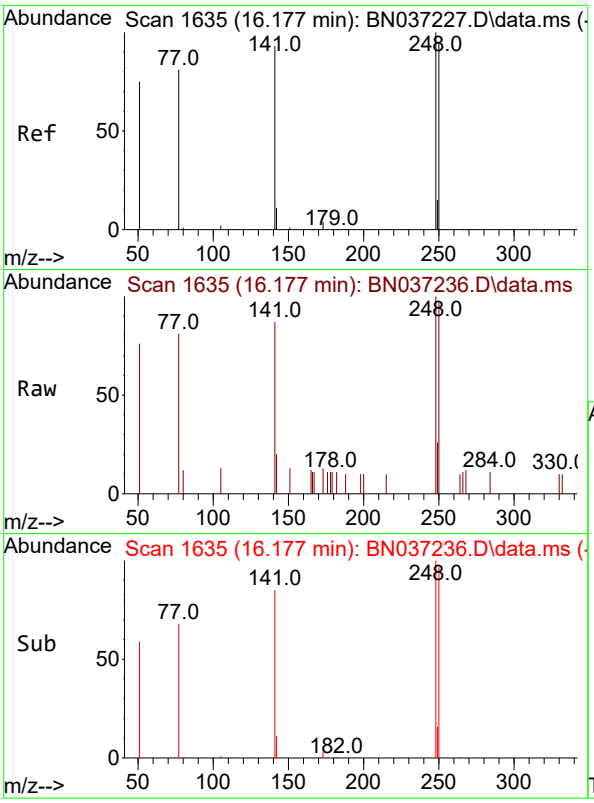


#20
4,6-Dinitro-2-methylphenol
Concen: 0.399 ng
RT: 15.378 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:198 Resp: 219

Ion	Ratio	Lower	Upper
198	100		
51	119.5	111.2	166.8
105	67.5	54.0	81.0





#21
4-Bromophenyl-phenylether
Concen: 0.364 ng
RT: 16.177 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:248 Resp: 70

Ion	Ratio	Lower	Upper
248	100		
250	97.3	76.8	115.2
141	87.2	75.6	113.4

Instrument :
BNA_N
ClientSampleId :
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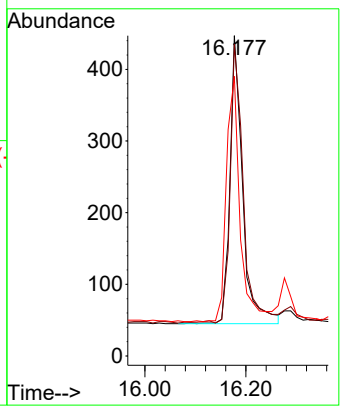
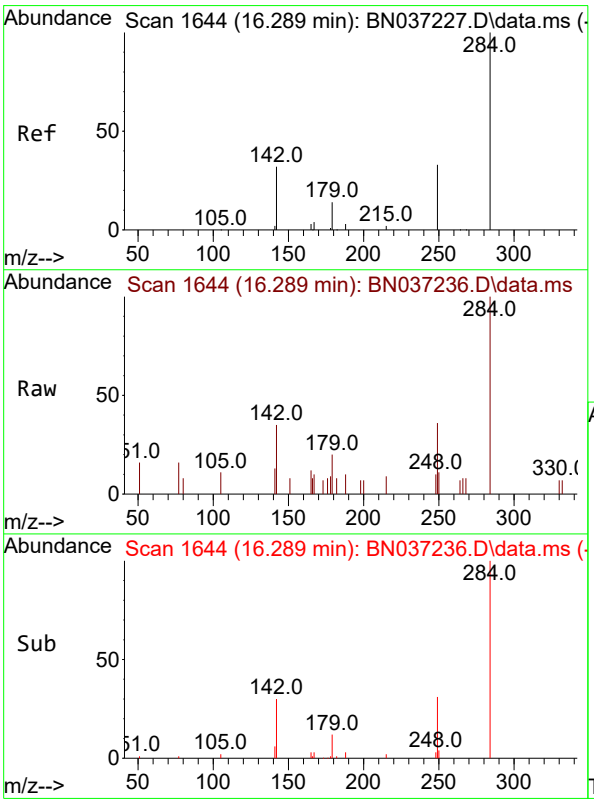
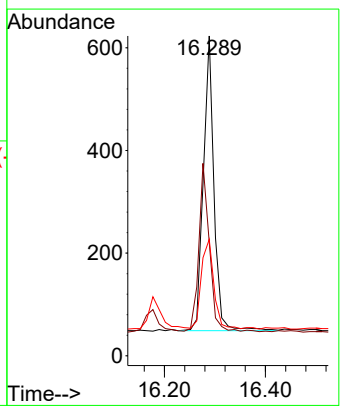


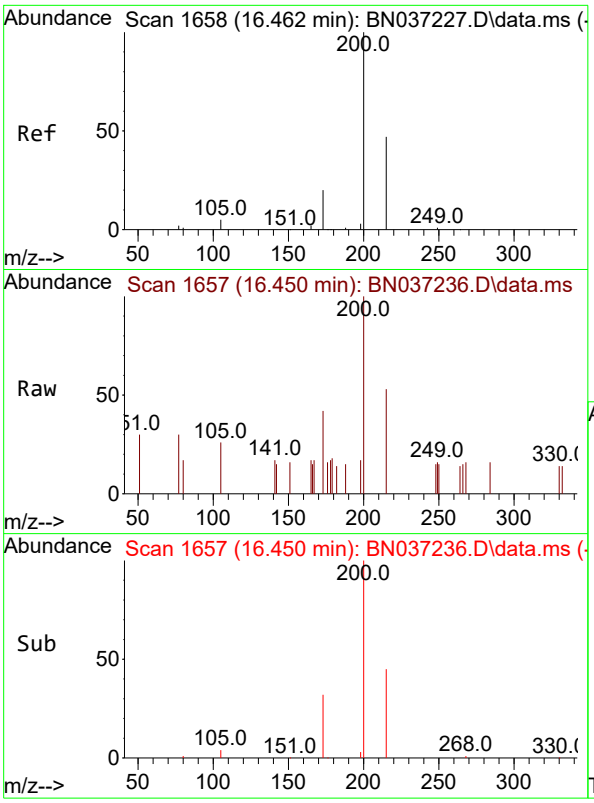


#22
Hexachlorobenzene
Concen: 0.375 ng
RT: 16.289 min Scan# 1644
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:284 Resp: 839

Ion	Ratio	Lower	Upper
284	100		
142	57.3	43.8	65.6
249	35.3	28.4	42.6

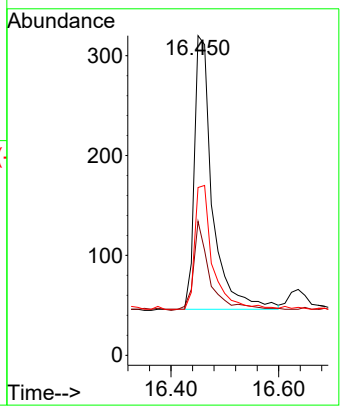




#23
Atrazine
Concen: 0.371 ng
RT: 16.450 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:200 Resp: 63

Ion	Ratio	Lower	Upper
200	100		
173	41.9	25.1	37.7
215	52.5	43.7	65.5



Instrument :
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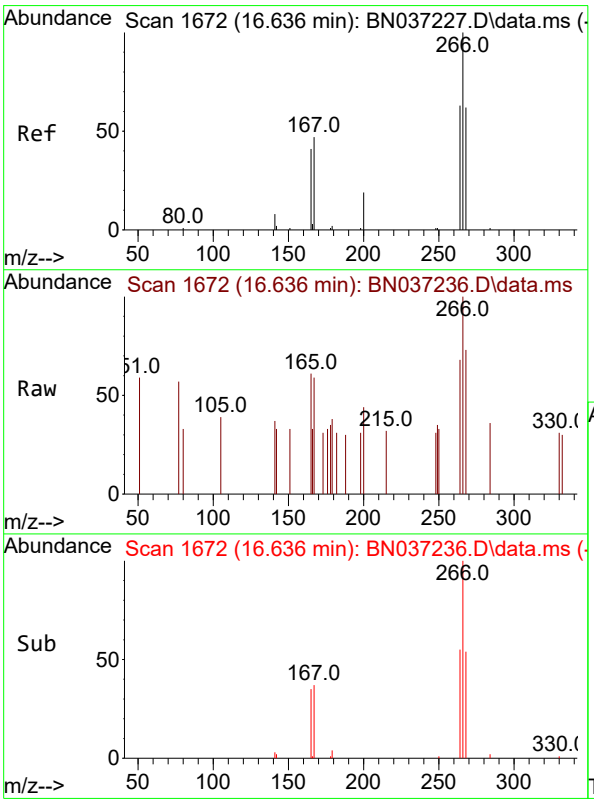
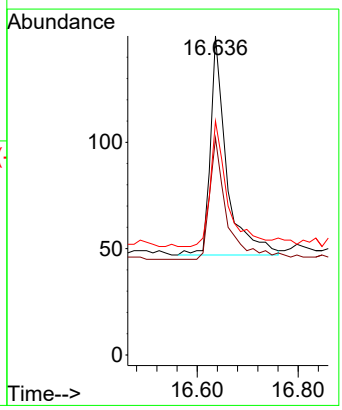
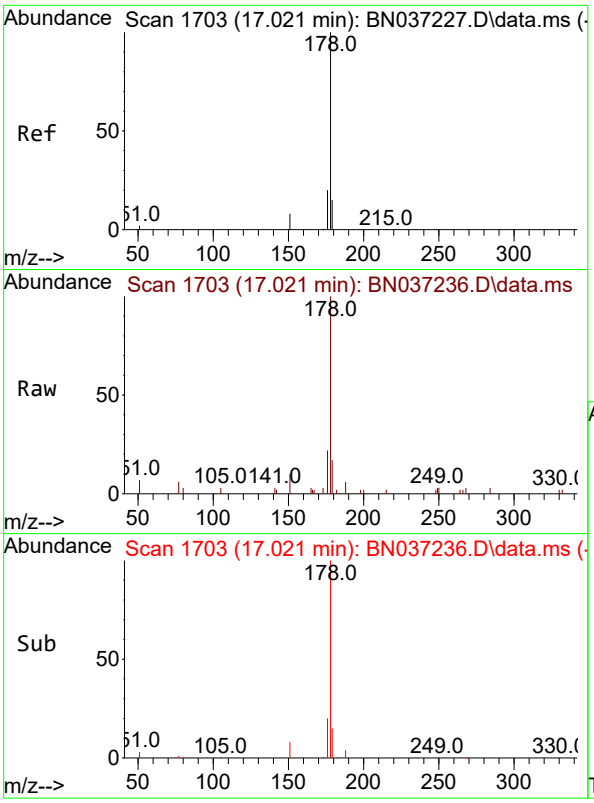


#24
Pentachlorophenol
Concen: 0.209 ng
RT: 16.636 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:266 Resp: 229

Ion	Ratio	Lower	Upper
266	100		
264	59.0	49.2	73.8
268	61.1	53.4	80.2

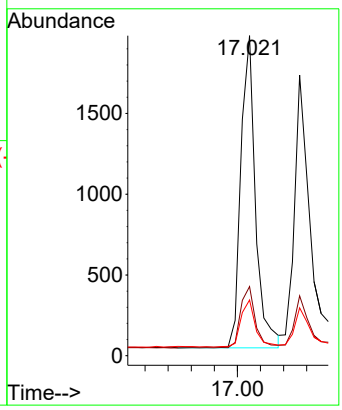




#25
Phenanthrene
Concen: 0.362 ng
RT: 17.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:178 Resp: 339

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.3	24.5
179	15.1	12.6	18.8



Instrument :
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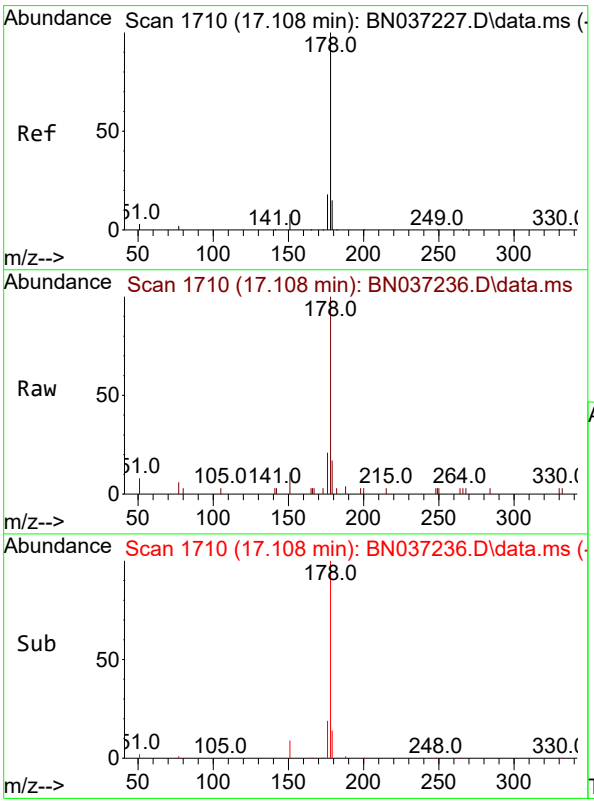
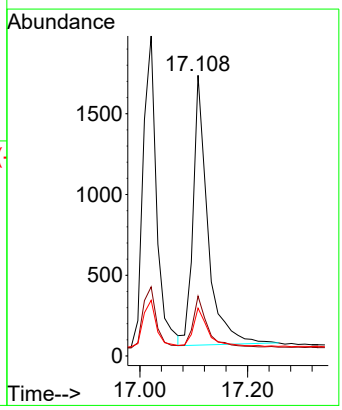
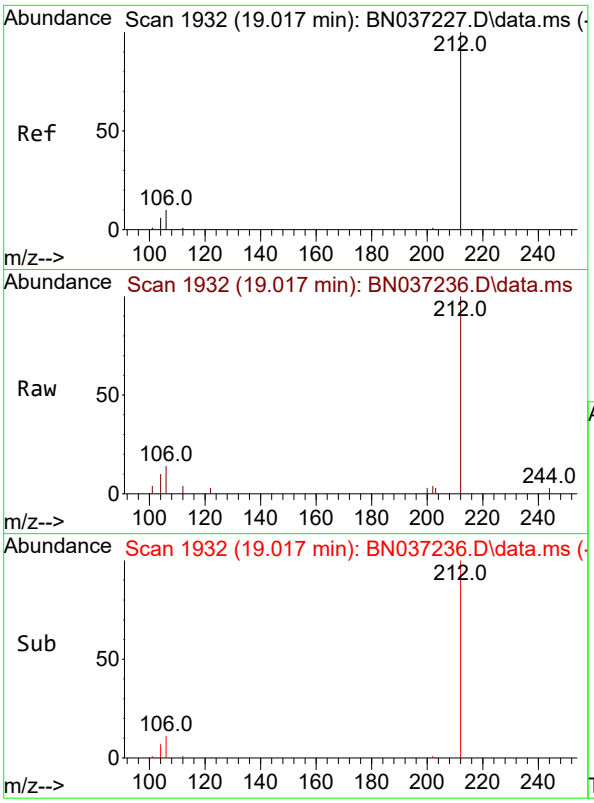


#26
Anthracene
Concen: 0.367 ng
RT: 17.108 min Scan# 1710
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:178 Resp: 3155

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.1	12.4	18.6

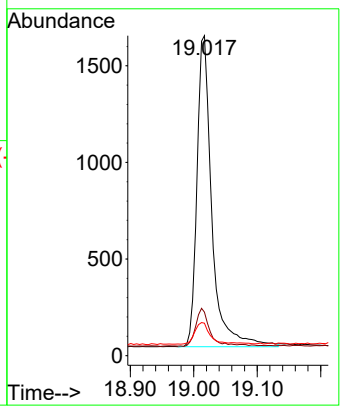




#27
Fluoranthene-d10
Concen: 0.339 ng
RT: 19.017 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:212 Resp: 262

Ion	Ratio	Lower	Upper
212	100		
106	11.1	9.3	13.9
104	7.0	5.7	8.5



Instrument :
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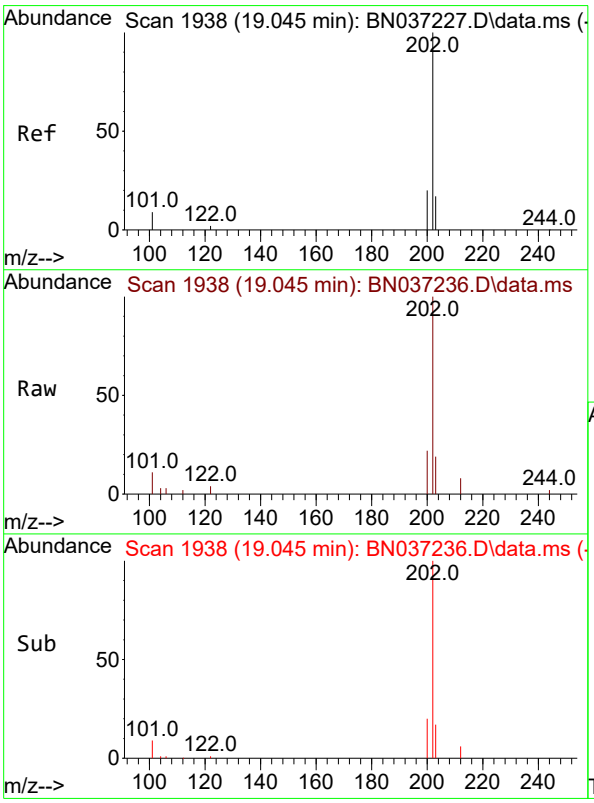
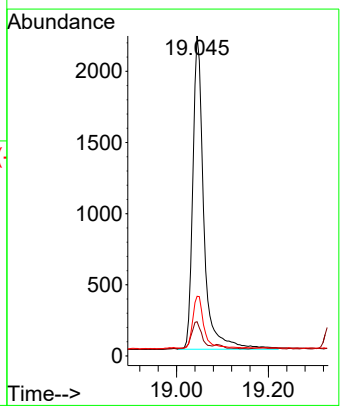
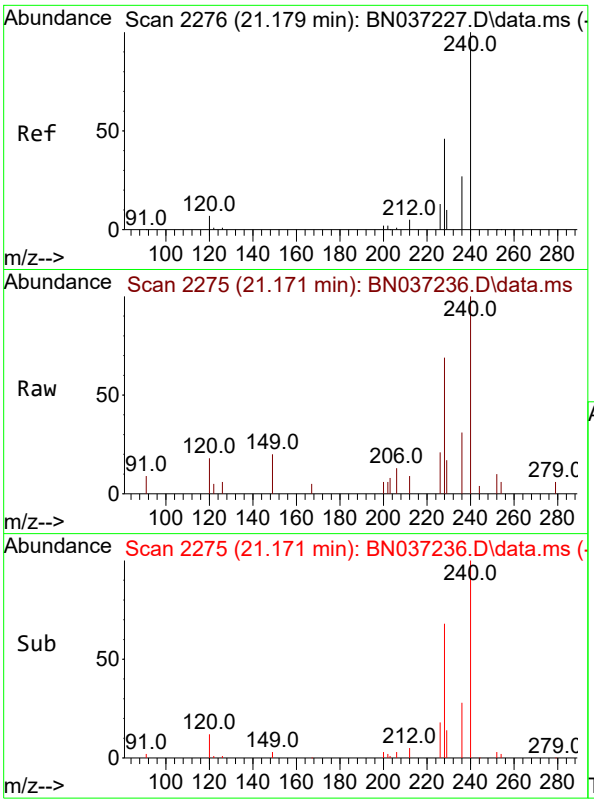


#28
Fluoranthene
Concen: 0.334 ng
RT: 19.045 min Scan# 1938
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:202 Resp: 3664

Ion	Ratio	Lower	Upper
202	100		
101	8.8	7.1	10.7
203	16.8	13.0	19.6





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.171 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Instrument :
BNA_N
ClientSampleId :
PB168391BS

Tgt Ion:240 Resp: 209

Ion	Ratio	Lower	Upper
240	100		
120	17.9	11.3	16.9
236	31.3	24.4	36.6

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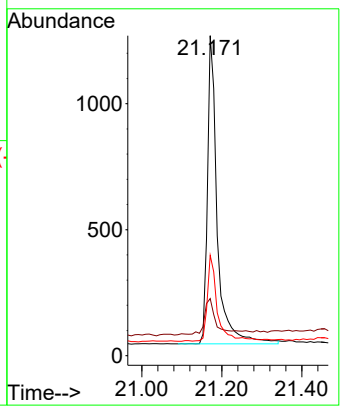
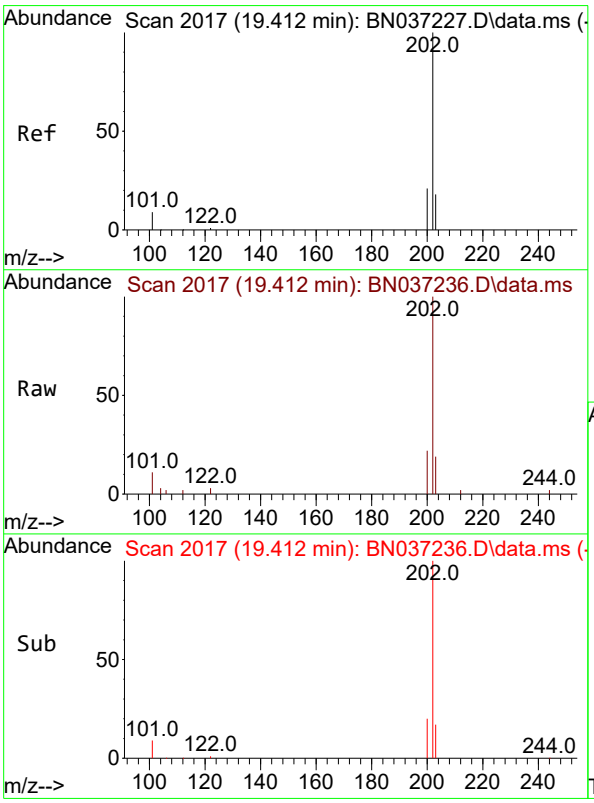
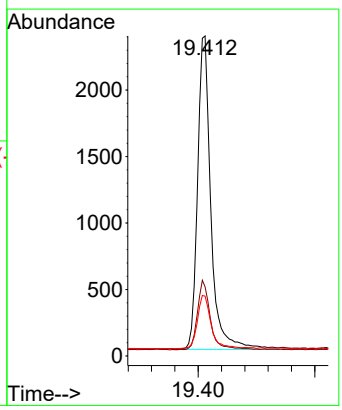


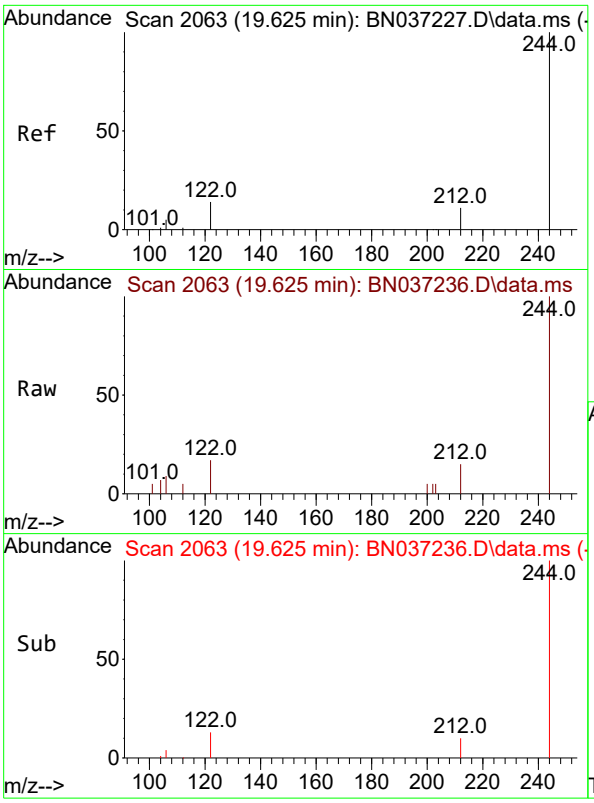


#30
Pyrene
Concen: 0.382 ng
RT: 19.412 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:202 Resp: 3754

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	17.5	14.3	21.5

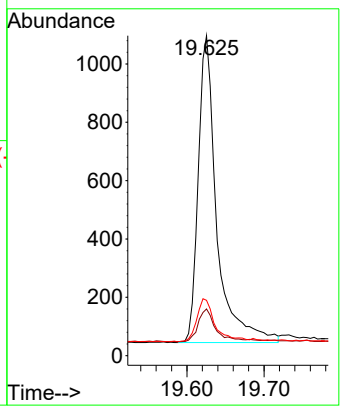




#31
Terphenyl-d14
Concen: 0.371 ng
RT: 19.625 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:244 Resp: 175

Ion	Ratio	Lower	Upper
244	100		
212	14.6	12.2	18.2
122	17.3	14.3	21.5



Instrument :
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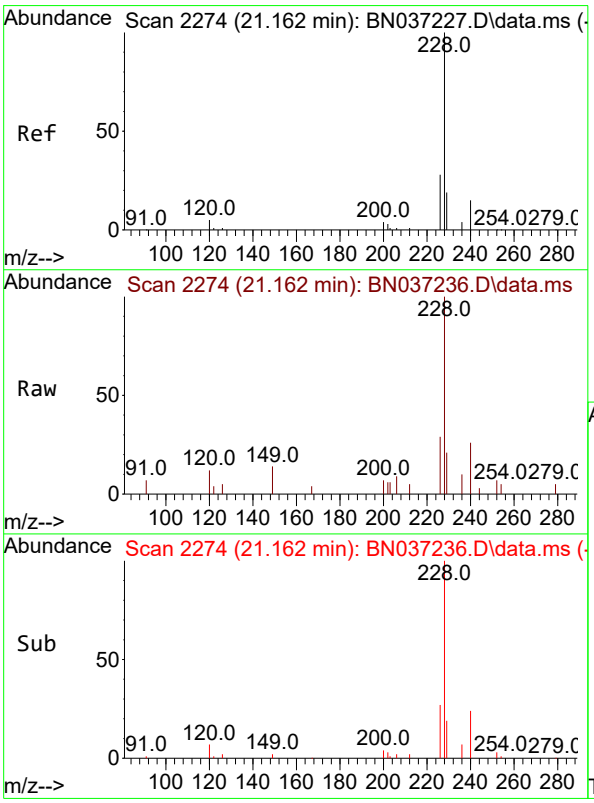
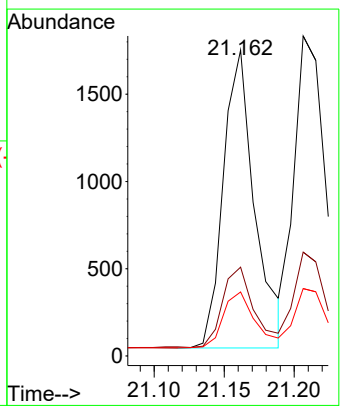
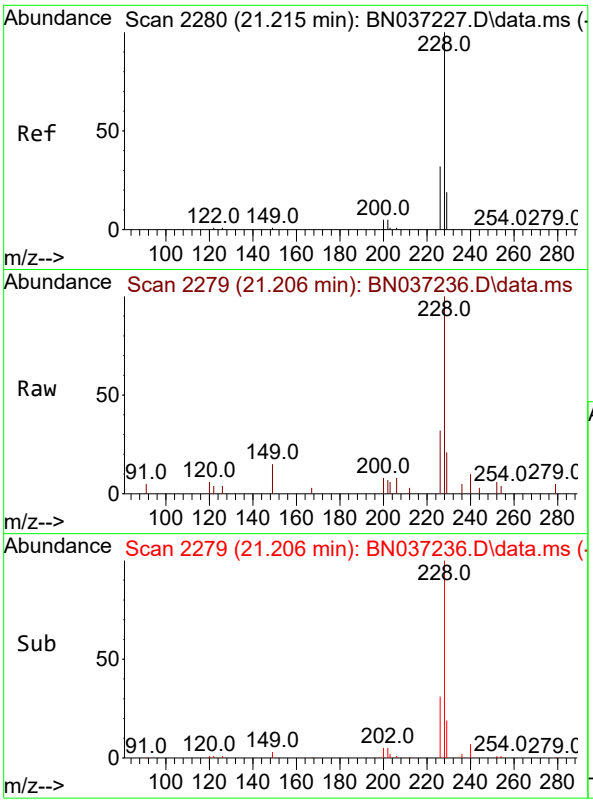


#32
Benzo(a)anthracene
Concen: 0.378 ng
RT: 21.162 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:228 Resp: 2669

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.8	35.8
229	20.9	17.0	25.4

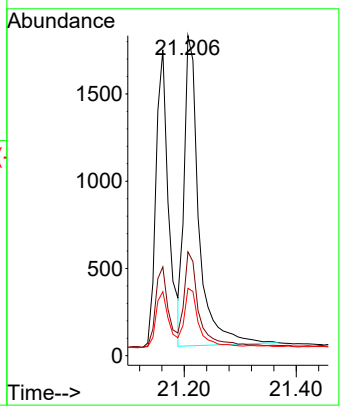




#33
Chrysene
Concen: 0.369 ng
RT: 21.206 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:228 Resp: 324

Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.8	38.6
229	21.0	17.0	25.4



Instrument :
BNA_N
ClientSampleId :
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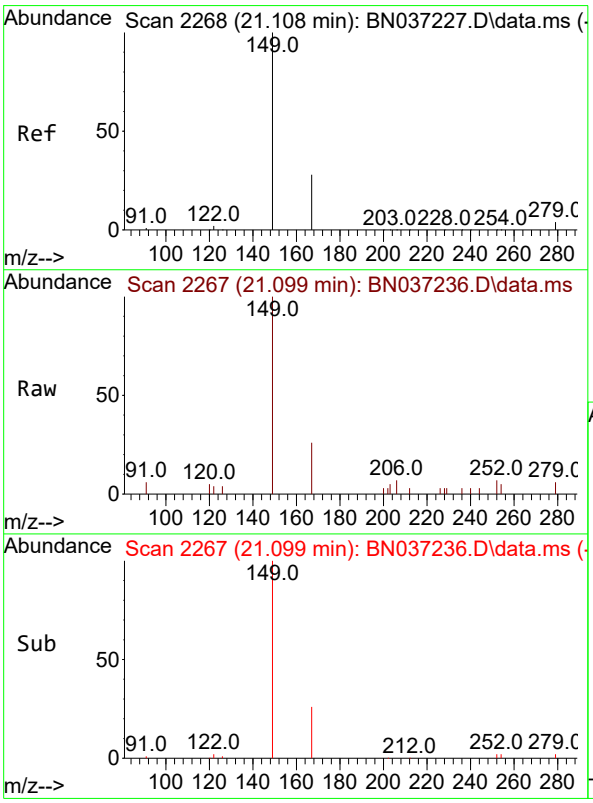
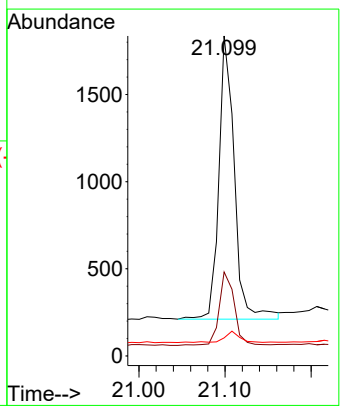
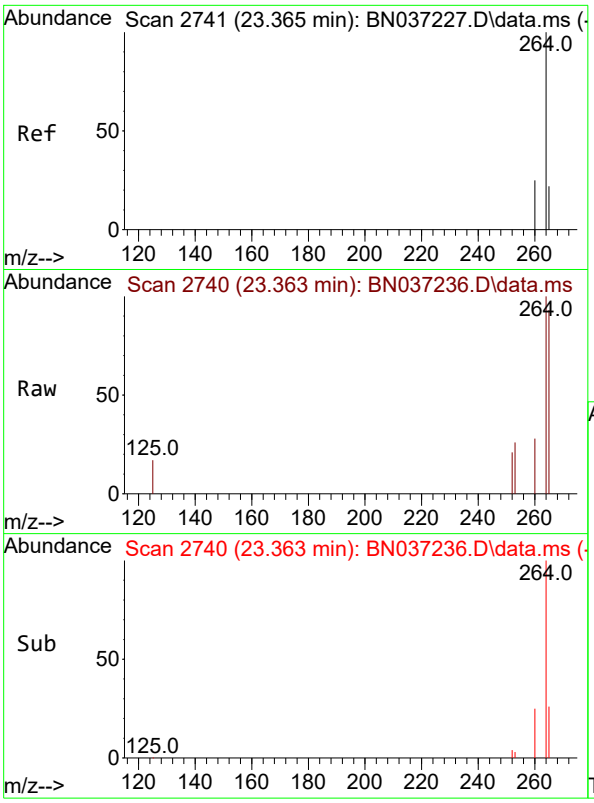


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.386 ng
RT: 21.099 min Scan# 2267
Delta R.T. -0.009 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:149 Resp: 2029

Ion	Ratio	Lower	Upper
149	100		
167	25.2	21.3	31.9
279	3.9	3.3	4.9





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.363 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:264 Resp: 197

Ion	Ratio	Lower	Upper
264	100		
260	28.4	22.8	34.2
265	93.2	66.4	99.6

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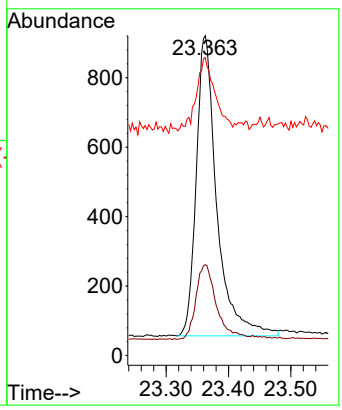
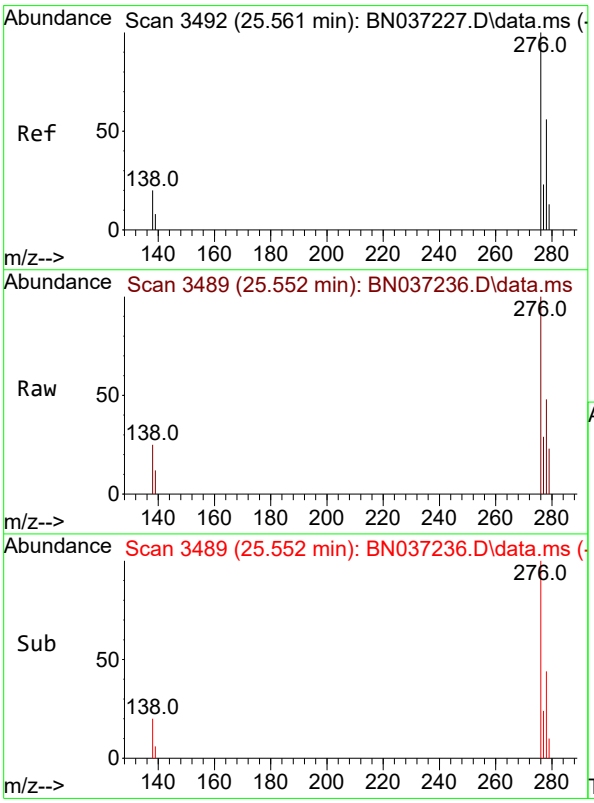
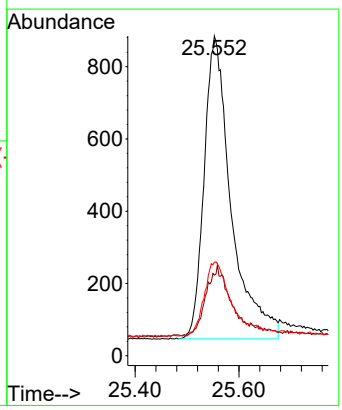


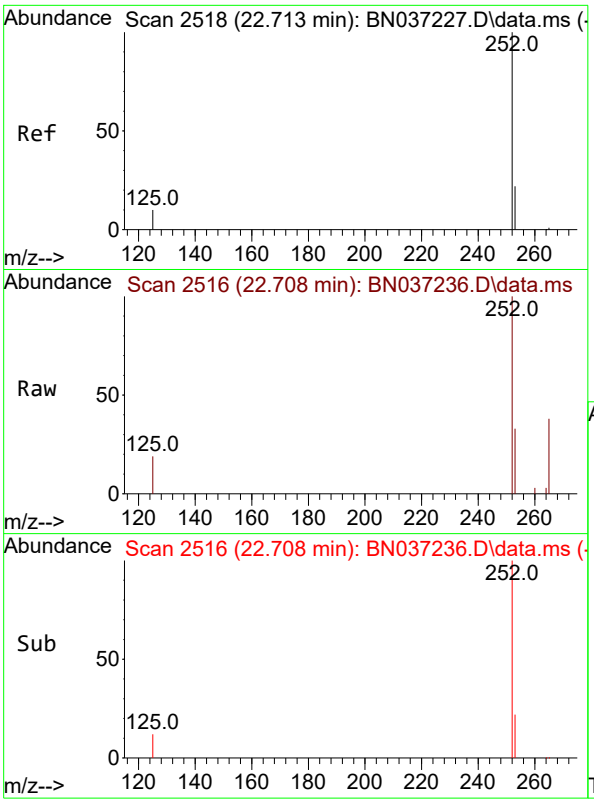


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.380 ng
RT: 25.552 min Scan# 3489
Delta R.T. -0.009 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:276 Resp: 3030

Ion	Ratio	Lower	Upper
276	100		
138	20.2	16.8	25.2
277	24.6	19.5	29.3

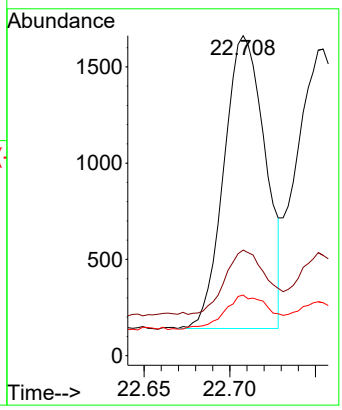




#37
Benzo(b)fluoranthene
Concen: 0.352 ng
RT: 22.708 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:252 Resp: 254

Ion	Ratio	Lower	Upper
252	100		
253	33.0	24.9	37.3
125	19.0	12.9	19.3



Instrument :
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ClientSampleId :
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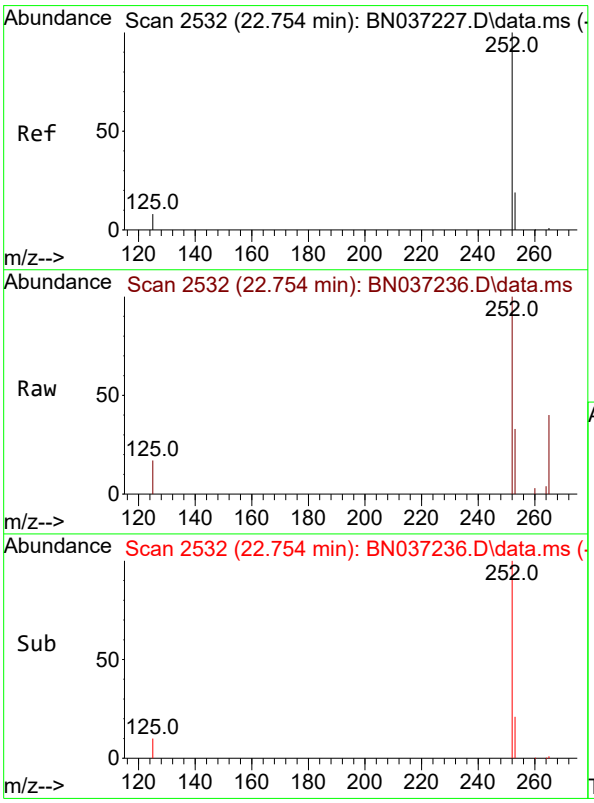
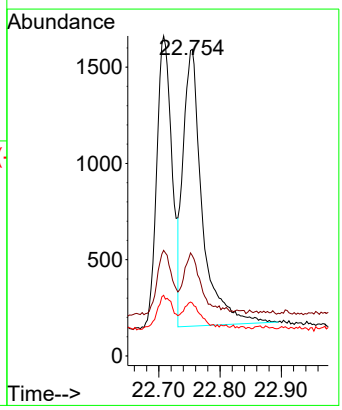
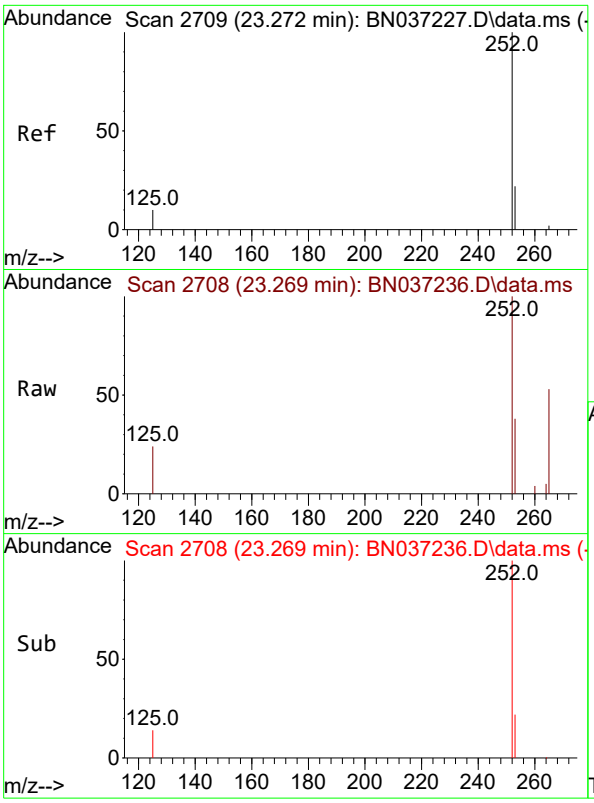


#38
Benzo(k)fluoranthene
Concen: 0.375 ng
RT: 22.754 min Scan# 2532
Delta R.T. 0.000 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:252 Resp: 3130

Ion	Ratio	Lower	Upper
252	100		
253	32.7	24.6	37.0
125	17.3	13.4	20.2

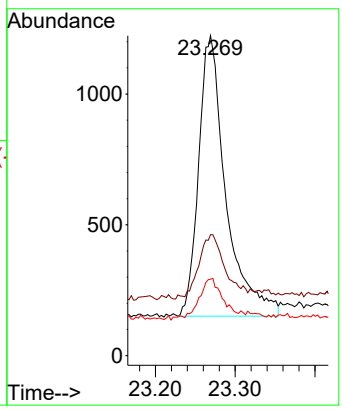




#39
Benzo(a)pyrene
Concen: 0.390 ng
RT: 23.269 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:252 Resp: 253

Ion	Ratio	Lower	Upper
252	100		
253	37.8	29.4	44.2
125	23.9	16.2	24.2



Instrument :
BNA_N
ClientSampleId :
PB168391BS

Manual Integrations
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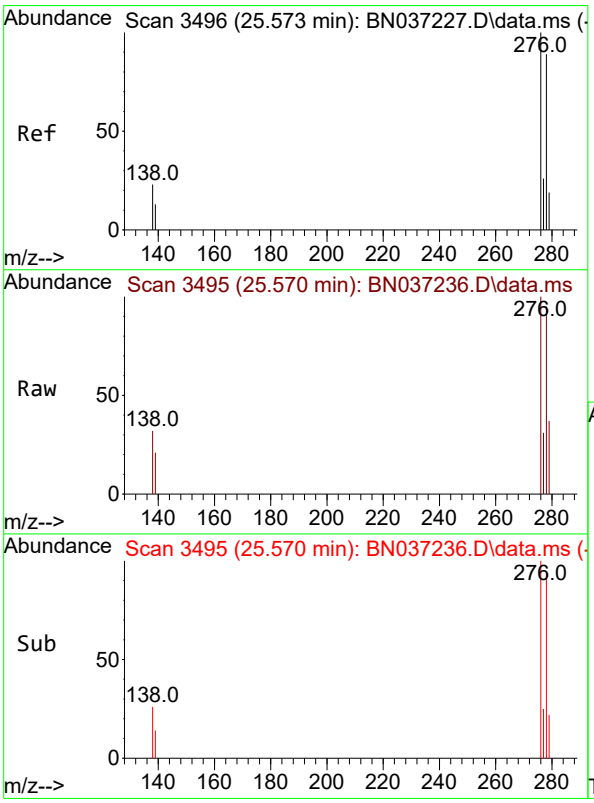
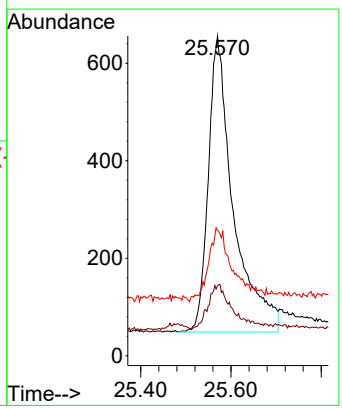
Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

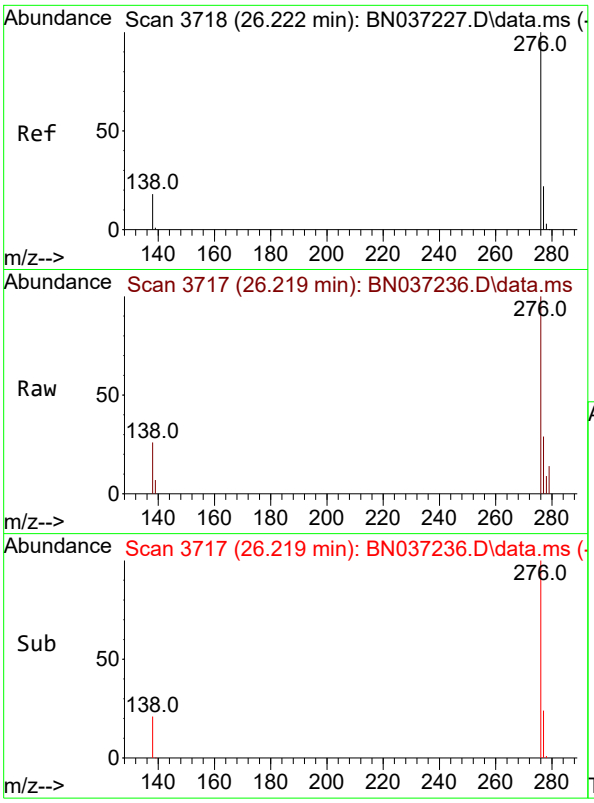


#40
Dibenzo(a,h)anthracene
Concen: 0.385 ng
RT: 25.570 min Scan# 3495
Delta R.T. -0.003 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:278 Resp: 2336

Ion	Ratio	Lower	Upper
278	100		
139	22.0	17.8	26.6
279	39.2	31.3	46.9

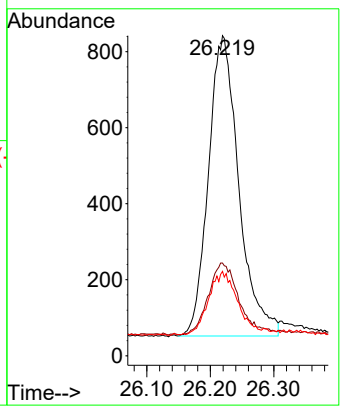




#41
Benzo(g,h,i)perylene
Concen: 0.355 ng
RT: 26.219 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN037236.D
Acq: 13 Jun 2025 20:49

Tgt Ion:276 Resp: 262

Ion	Ratio	Lower	Upper
276	100		
277	29.0	22.0	33.0
138	26.4	18.4	27.6



Instrument :
BNA_N
ClientSampleId :
PB168391BS

Manual Integrations
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Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

Raw Data: **BN037237.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB168391BSD	SDG No.:	Q2275
Lab Sample ID:	PB168391BSD	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037237.D	1	06/10/25 12:20	06/13/25 21:25	PB168391

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.42		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.37		30 (20) - 150 (139)	91%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 (54) - 150 (157)	85%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		30 (27) - 130 (154)	86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		30 (30) - 130 (155)	95%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		30 (54) - 130 (175)	92%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1340	7.575			
1146-65-2	Naphthalene-d8	3200	10.351			
15067-26-2	Acenaphthene-d10	1520	14.224			
1517-22-2	Phenanthrene-d10	2540	16.971			
1719-03-5	Chrysene-d12	1860	21.171			
1520-96-3	Perylene-d12	1820	23.363			

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\BN061325\
Data File : BN037237.D
Acq On : 13 Jun 2025 21:25
Operator : RC/JU
Sample : PB168391BSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 13 23:00:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.575	152	1340	0.400	ng	0.00
7) Naphthalene-d8	10.351	136	3197	0.400	ng	#-0.01
13) Acenaphthene-d10	14.224	164	1517	0.400	ng	0.00
19) Phenanthrene-d10	16.971	188	2544	0.400	ng	0.00
29) Chrysene-d12	21.171	240	1864	0.400	ng	# 0.00
35) Perylene-d12	23.363	264	1823	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	1074	0.326	ng	0.00
5) Phenol-d6	6.759	99	1133	0.327	ng	0.00
8) Nitrobenzene-d5	8.728	82	1094	0.346	ng	0.00
11) 2-Methylnaphthalene-d10	11.955	152	1567m	0.365	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	191	0.303	ng	0.00
15) 2-Fluorobiphenyl	12.848	172	2414	0.379	ng	0.00
27) Fluoranthene-d10	19.017	212	2260	0.340	ng	0.00
31) Terphenyl-d14	19.625	244	1545	0.367	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.104	88	767	0.417	ng	# 39
3) n-Nitrosodimethylamine	3.415	42	1445	0.345	ng	# 98
6) bis(2-Chloroethyl)ether	7.012	93	1087	0.350	ng	95
9) Naphthalene	10.404	128	3142	0.339	ng	100
10) Hexachlorobutadiene	10.693	225	809	0.359	ng	# 96
12) 2-Methylnaphthalene	12.026	142	1733	0.308	ng	98
16) Acenaphthylene	13.946	152	2835	0.381	ng	98
17) Acenaphthene	14.288	154	1676	0.349	ng	99
18) Fluorene	15.282	166	2139	0.347	ng	99
20) 4,6-Dinitro-2-methylph...	15.378	198	183	0.391	ng	89
21) 4-Bromophenyl-phenylether	16.177	248	601	0.363	ng	97
22) Hexachlorobenzene	16.289	284	730	0.380	ng	98
23) Atrazine	16.462	200	554	0.375	ng	95
24) Pentachlorophenol	16.636	266	179	0.190	ng	96
25) Phenanthrene	17.021	178	2878	0.357	ng	99
26) Anthracene	17.108	178	2707	0.366	ng	99
28) Fluoranthene	19.045	202	3075	0.326	ng	99
30) Pyrene	19.407	202	3164	0.361	ng	99
32) Benzo(a)anthracene	21.162	228	2335	0.371	ng	100
33) Chrysene	21.206	228	2859	0.365	ng	98
34) Bis(2-ethylhexyl)phtha...	21.099	149	1653	0.353	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.552	276	2941	0.400	ng	99
37) Benzo(b)fluoranthene	22.708	252	2370	0.355	ng	95
38) Benzo(k)fluoranthene	22.752	252	2685	0.349	ng	96
39) Benzo(a)pyrene	23.272	252	2338	0.390	ng	# 93
40) Dibenzo(a,h)anthracene	25.570	278	2093	0.374	ng	98
41) Benzo(g,h,i)perylene	26.216	276	2507	0.368	ng	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037237.D
Acq On : 13 Jun 2025 21:25
Operator : RC/JU
Sample : PB168391BSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 13 23:00:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Manual Integrations APPROVED

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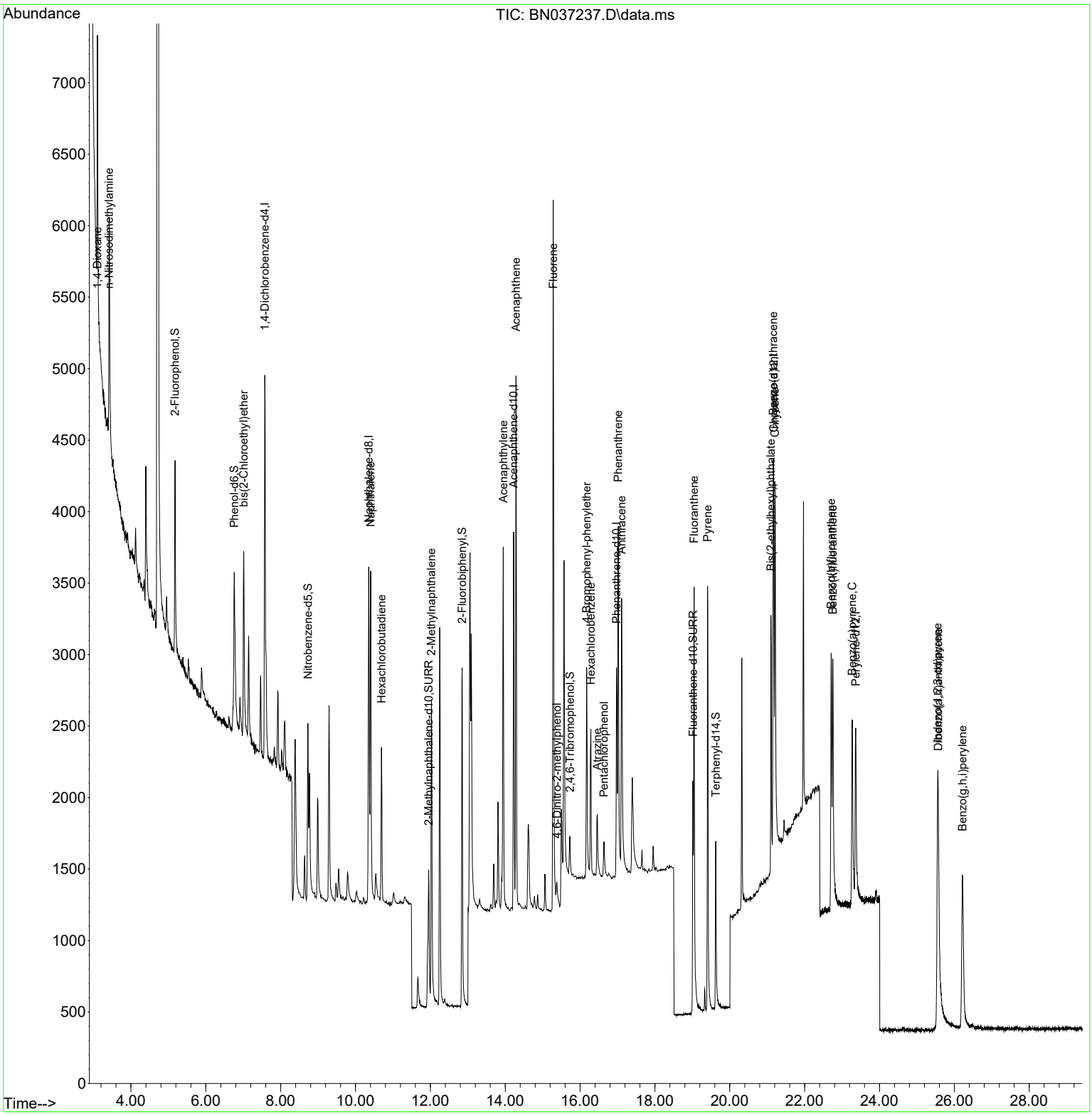
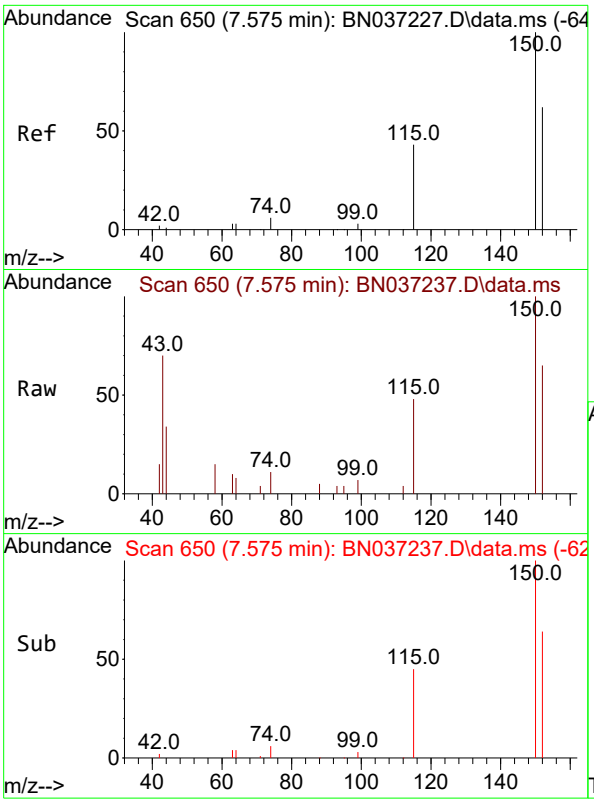
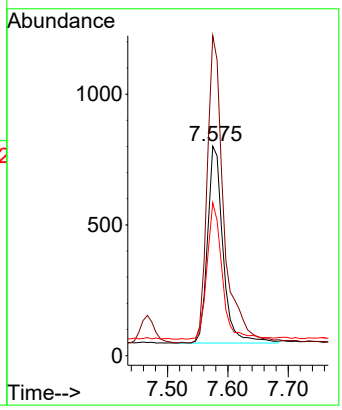




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.575 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:152 Resp: 134

Ion	Ratio	Lower	Upper
152	100		
150	152.8	125.2	187.8
115	73.0	58.4	87.6



Instrument :
BNA_N
ClientSampleId :
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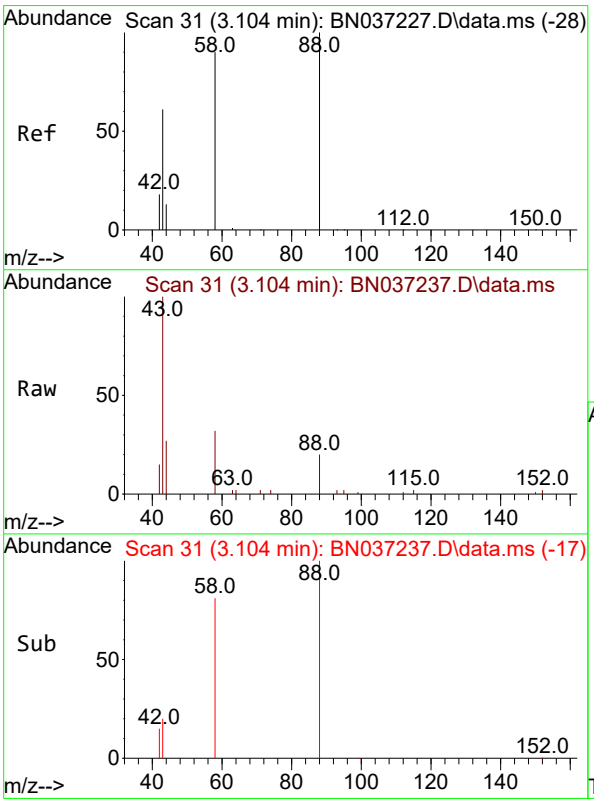
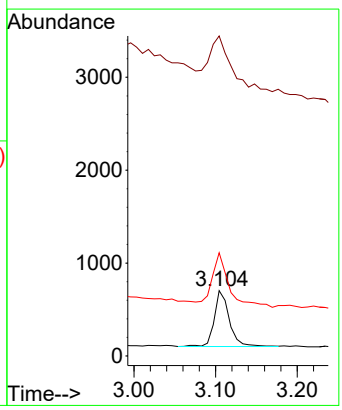
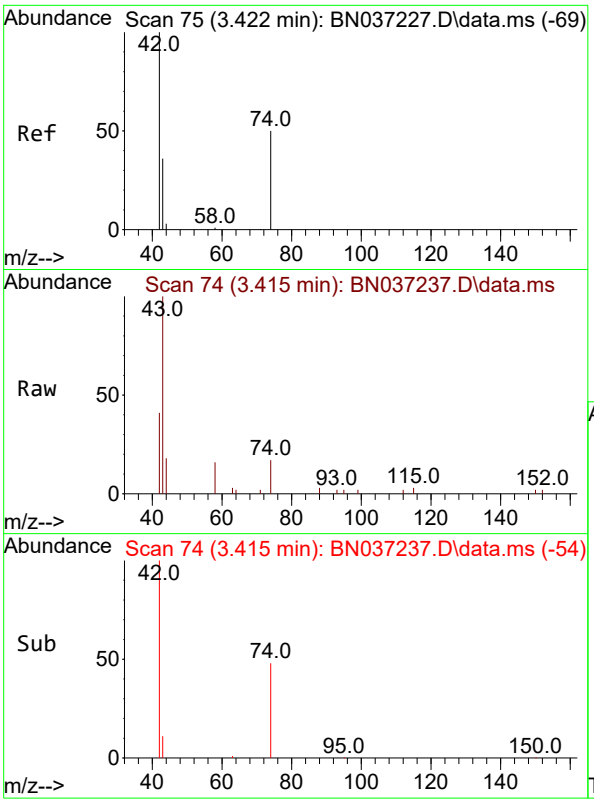


#2
1,4-Dioxane
Concen: 0.417 ng
RT: 3.104 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion: 88 Resp: 767

Ion	Ratio	Lower	Upper
88	100		
43	158.5	52.6	79.0#
58	112.0	73.5	110.3#





#3
n-Nitrosodimethylamine
Concen: 0.345 ng
RT: 3.415 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion: 42 Resp: 144

Ion	Ratio	Lower	Upper
42	100		
74	57.4	44.6	66.8
44	3.4	3.5	5.3

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

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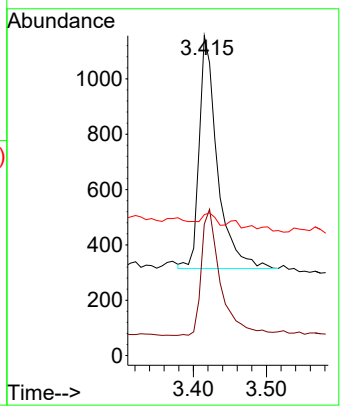
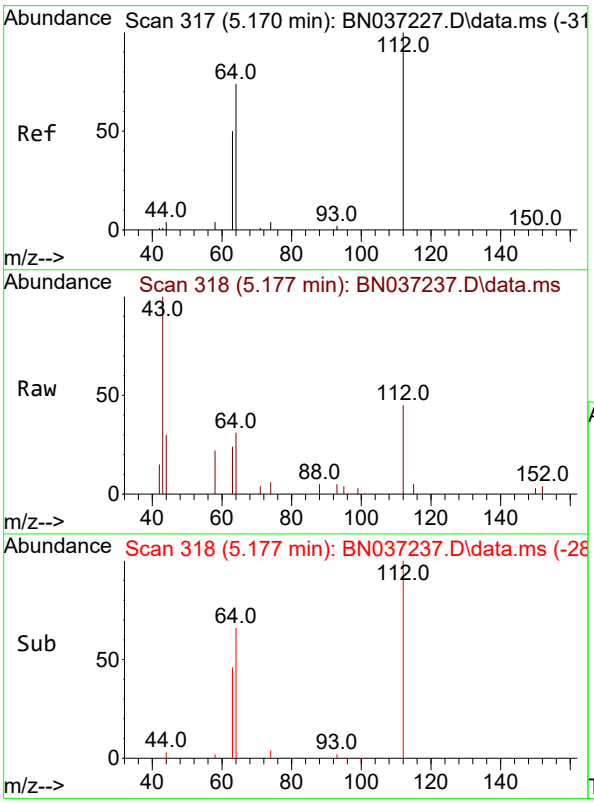
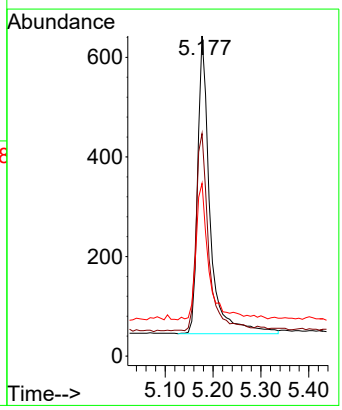


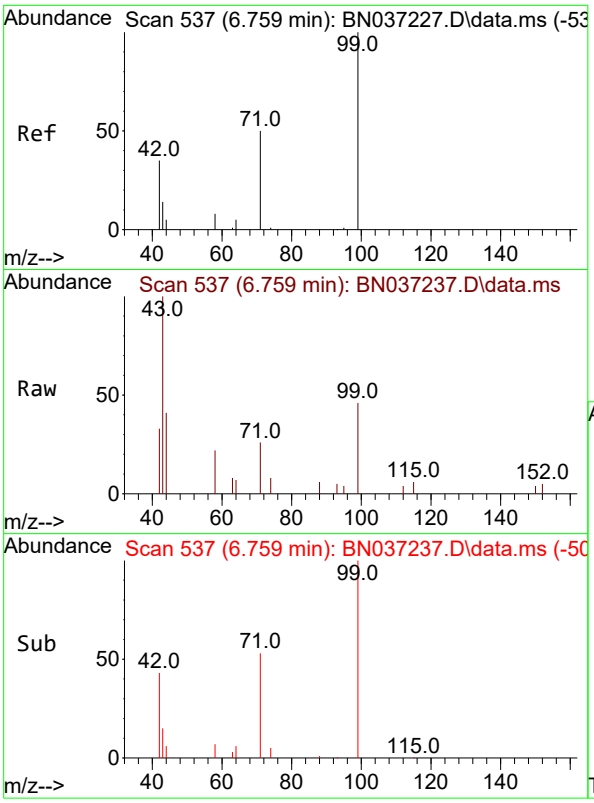


#4
2-Fluorophenol
Concen: 0.326 ng
RT: 5.177 min Scan# 318
Delta R.T. 0.007 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:112 Resp: 1074

Ion	Ratio	Lower	Upper
112	100		
64	68.0	57.2	85.8
63	48.6	39.8	59.6

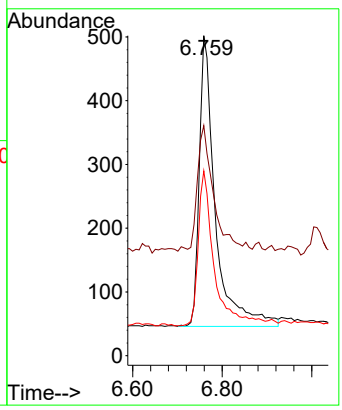




#5
Phenol-d6
Concen: 0.327 ng
RT: 6.759 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion: 99 Resp: 113

Ion	Ratio	Lower	Upper
99	100		
42	44.2	36.2	54.4
71	52.5	42.4	63.6



Instrument :
BNA_N
ClientSampleId :
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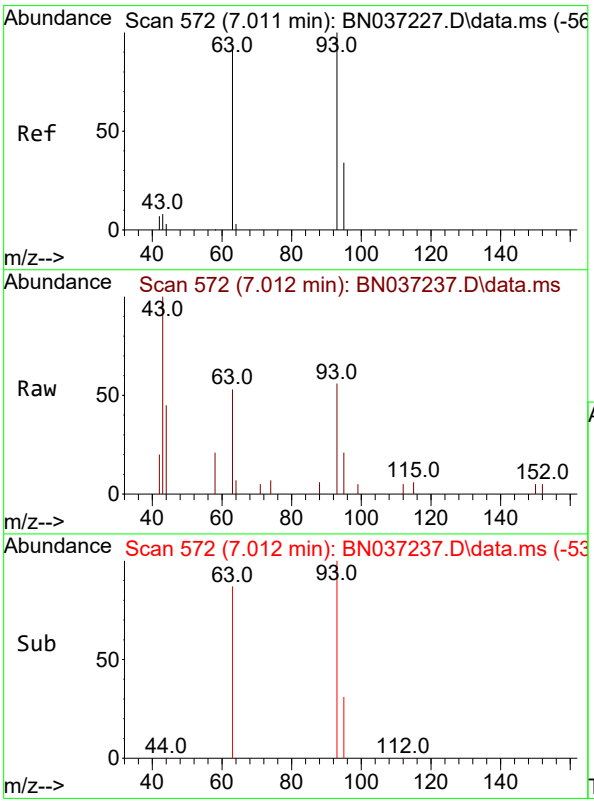
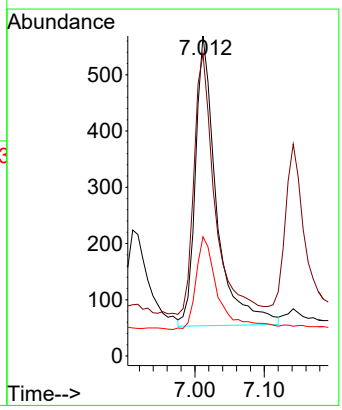
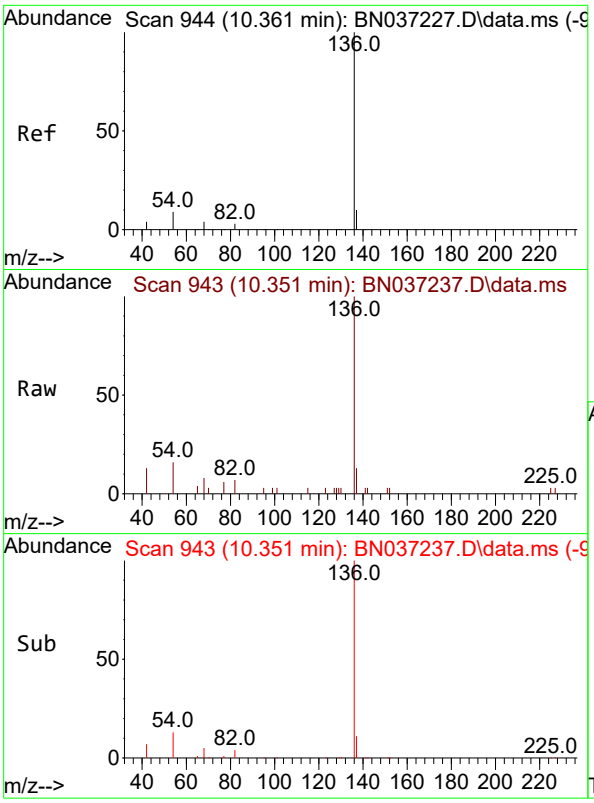


#6
bis(2-Chloroethyl)ether
Concen: 0.350 ng
RT: 7.012 min Scan# 572
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion: 93 Resp: 1087

Ion	Ratio	Lower	Upper
93	100		
63	87.8	75.2	112.8
95	33.8	28.3	42.5

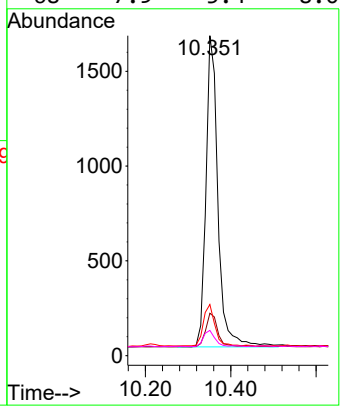




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:136 Resp: 319

Ion	Ratio	Lower	Upper
136	100		
137	13.2	10.6	15.8
54	16.0	9.2	13.8
68	7.9	5.4	8.0



Instrument :
BNA_N
ClientSampleId :
PB168391BSD

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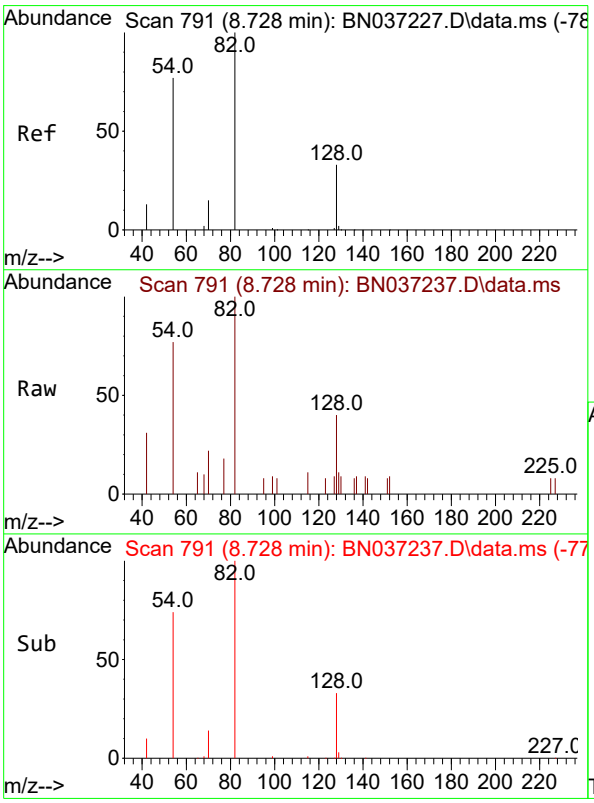
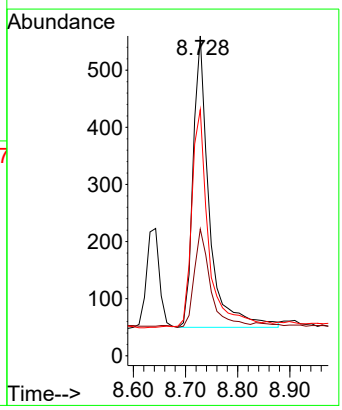
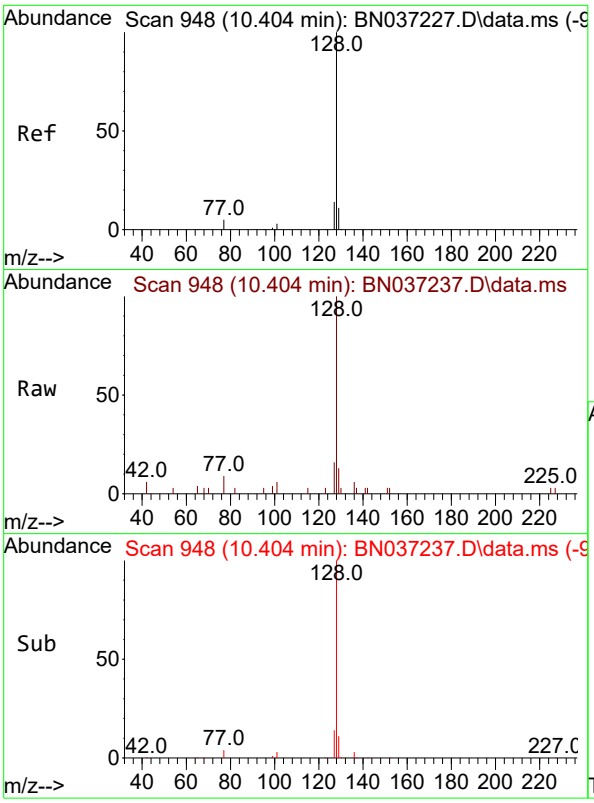


#8
Nitrobenzene-d5
Concen: 0.346 ng
RT: 8.728 min Scan# 791
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion: 82 Resp: 1094

Ion	Ratio	Lower	Upper
82	100		
128	39.6	31.2	46.8
54	77.0	63.3	94.9





#9
Naphthalene
Concen: 0.339 ng
RT: 10.404 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:128 Resp: 314

Ion	Ratio	Lower	Upper
128	100		
129	13.4	10.7	16.1
127	16.0	12.6	19.0

Instrument :
BNA_N
ClientSampleId :
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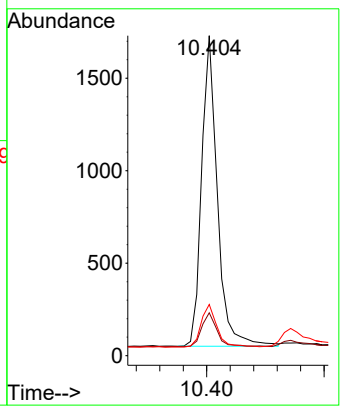
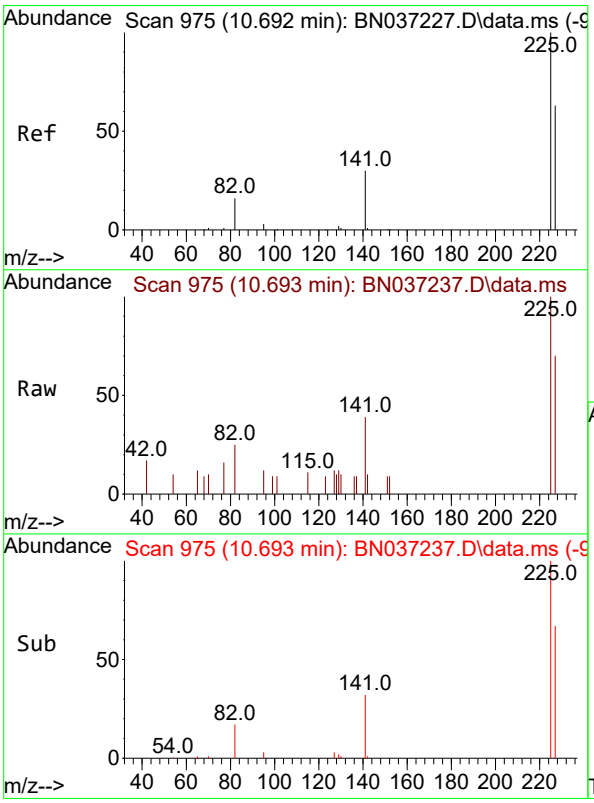
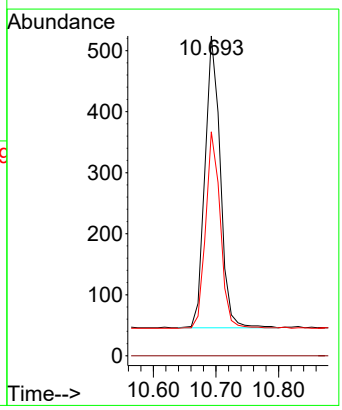


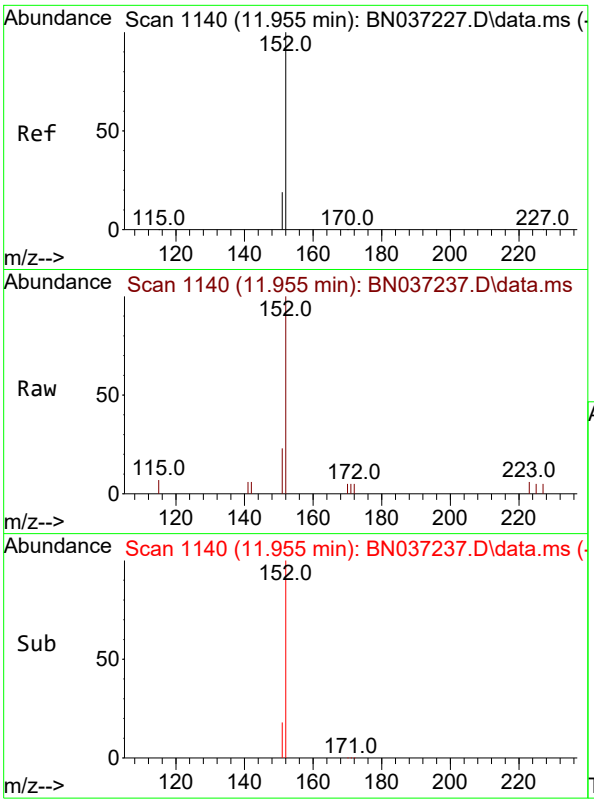


#10
Hexachlorobutadiene
Concen: 0.359 ng
RT: 10.693 min Scan# 975
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:225 Resp: 809

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.6	49.2	73.8





#11
2-Methylnaphthalene-d10
Concen: 0.365 ng m
RT: 11.955 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:152 Resp: 156

Ion	Ratio	Lower	Upper
152	100		
151	20.7	17.9	26.9

Instrument :
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ClientSampleId :
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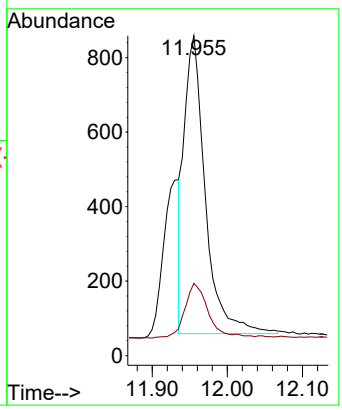
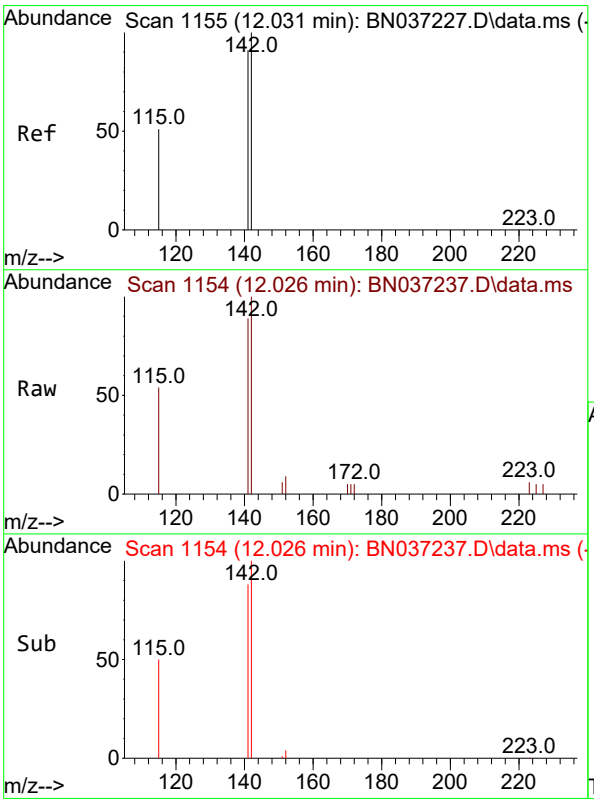
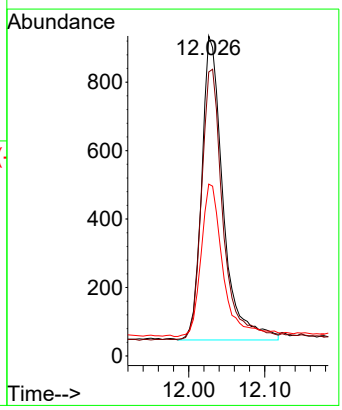


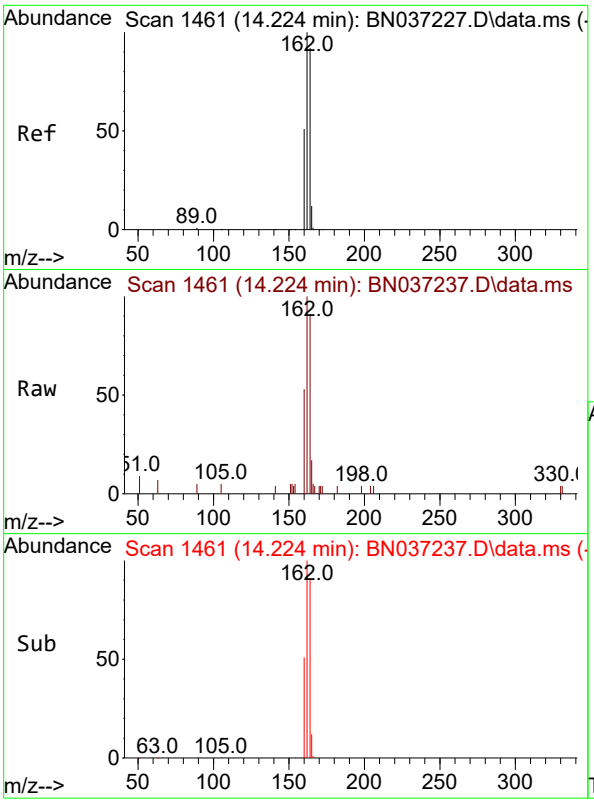


#12
2-Methylnaphthalene
Concen: 0.308 ng
RT: 12.026 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:142 Resp: 1733

Ion	Ratio	Lower	Upper
142	100		
141	88.8	73.0	109.6
115	53.7	43.3	64.9

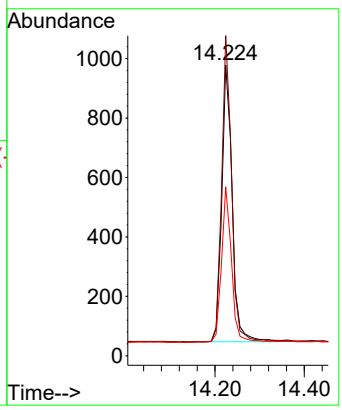




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:164 Resp: 151

Ion	Ratio	Lower	Upper
164	100		
162	110.1	86.7	130.1
160	58.2	45.8	68.6



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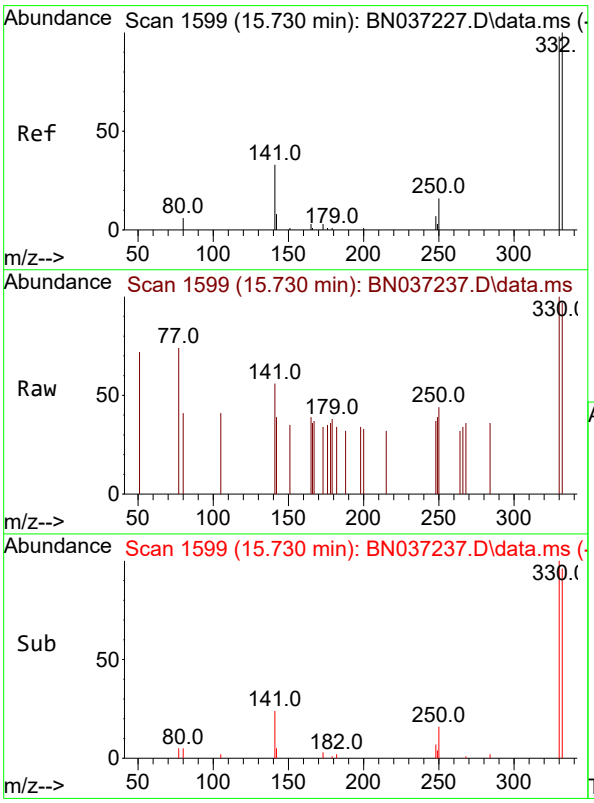
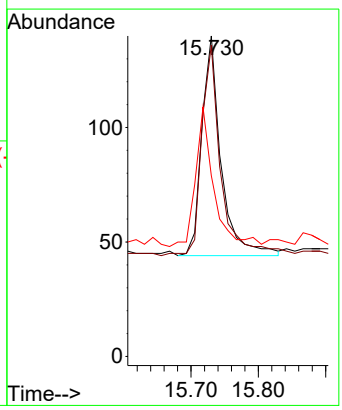
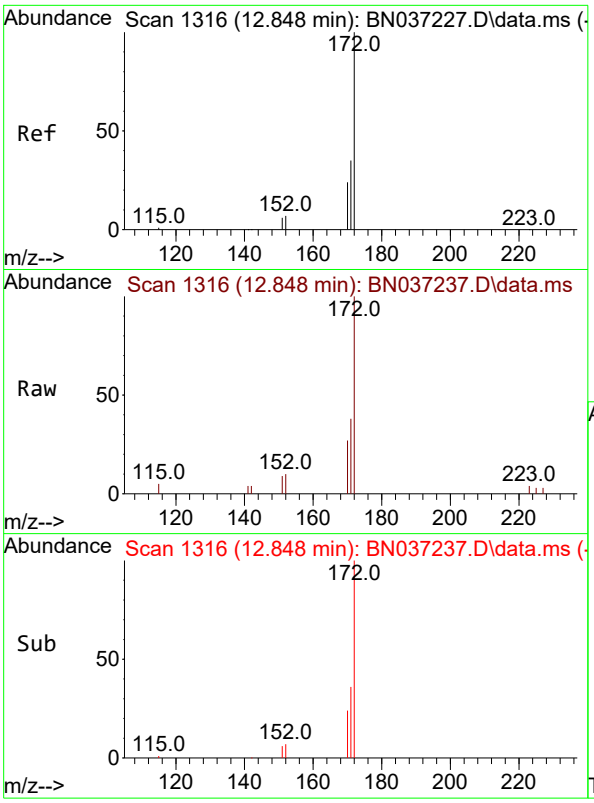


#14
2,4,6-Tribromophenol
Concen: 0.303 ng
RT: 15.730 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:330 Resp: 191

Ion	Ratio	Lower	Upper
330	100		
332	96.9	74.9	112.3
141	59.7	45.1	67.7





#15
2-Fluorobiphenyl
Concen: 0.379 ng
RT: 12.848 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:172 Resp: 241

Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.8	44.8
170	26.6	21.1	31.7

Instrument :
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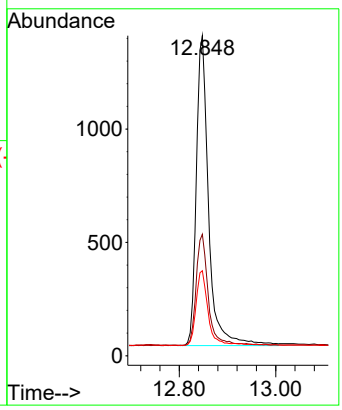
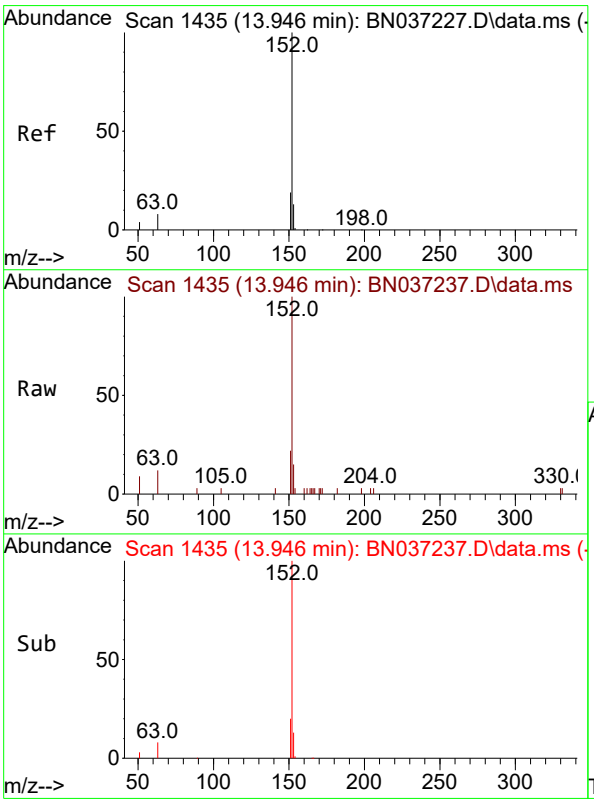
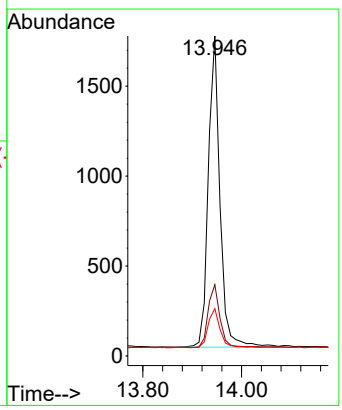


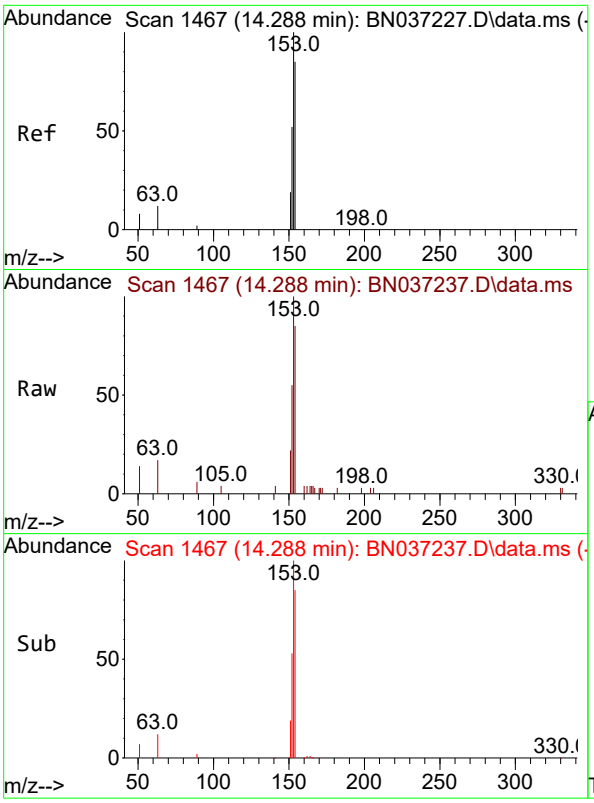


#16
Acenaphthylene
Concen: 0.381 ng
RT: 13.946 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:152 Resp: 2835

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.7	23.5
153	12.8	10.7	16.1

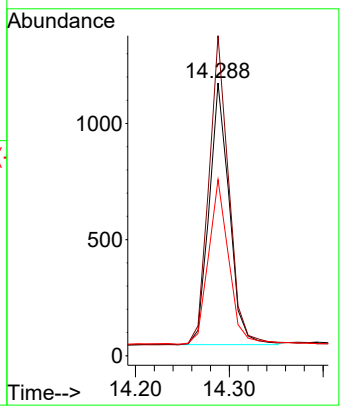




#17
Acenaphthene
Concen: 0.349 ng
RT: 14.288 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:154 Resp: 167

Ion	Ratio	Lower	Upper
154	100		
153	119.2	94.6	141.8
152	63.5	49.6	74.4



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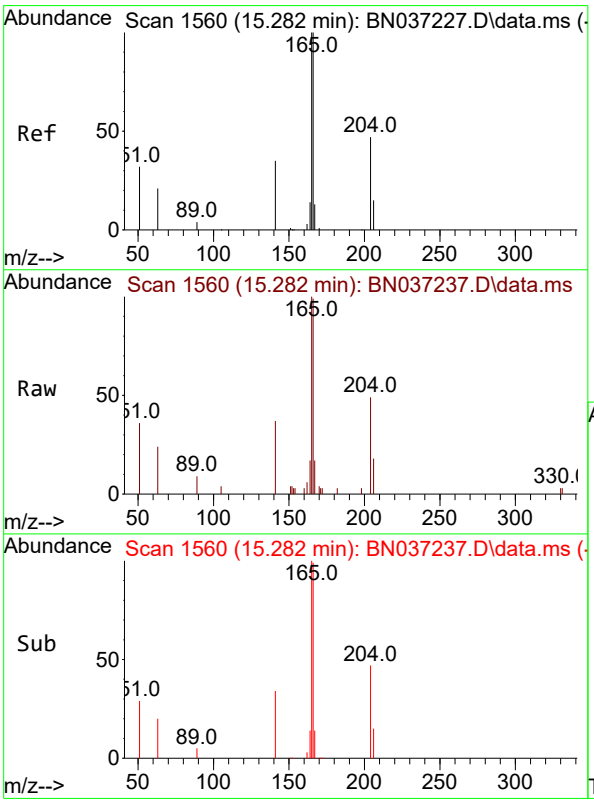
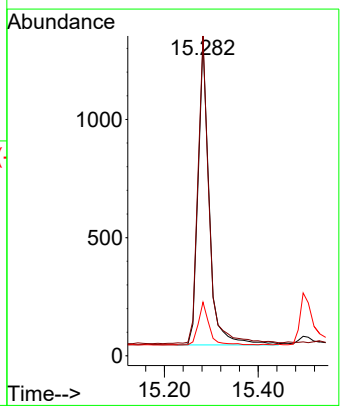
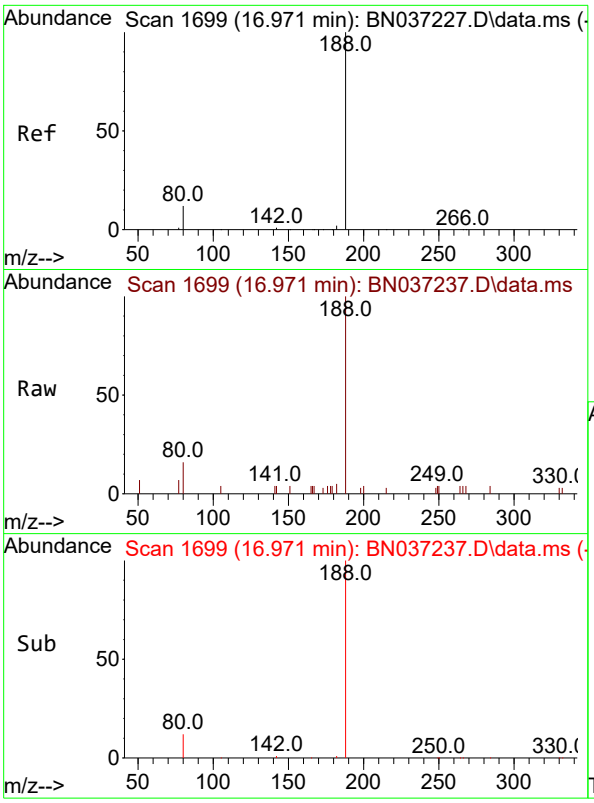


#18
Fluorene
Concen: 0.347 ng
RT: 15.282 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:166 Resp: 2139

Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.8	119.6
167	13.7	10.8	16.2

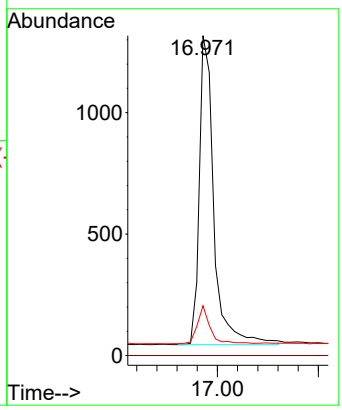




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:188 Resp: 254

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.6	12.2	18.4



Instrument :
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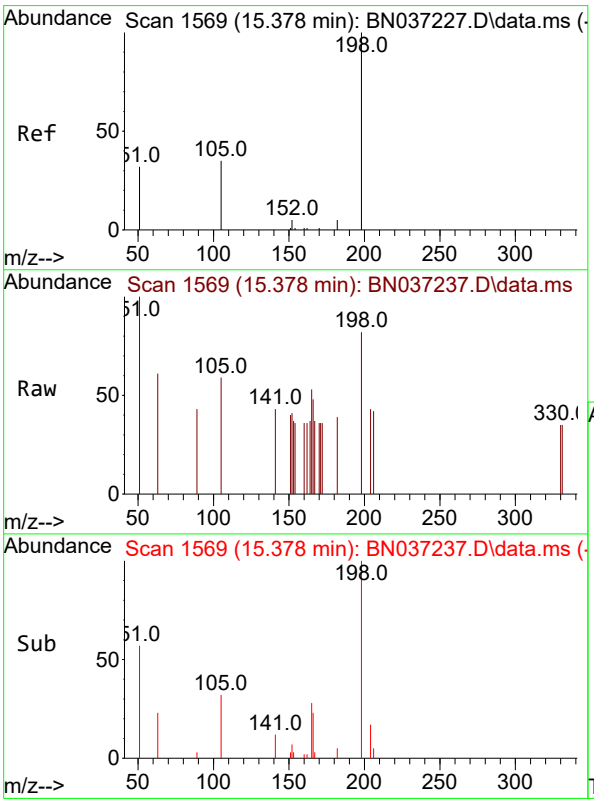
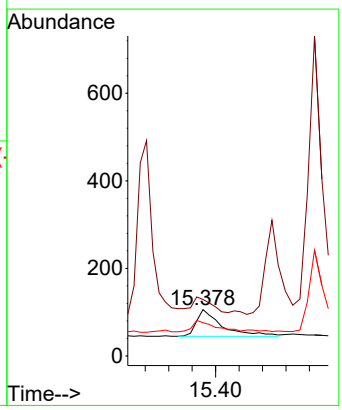
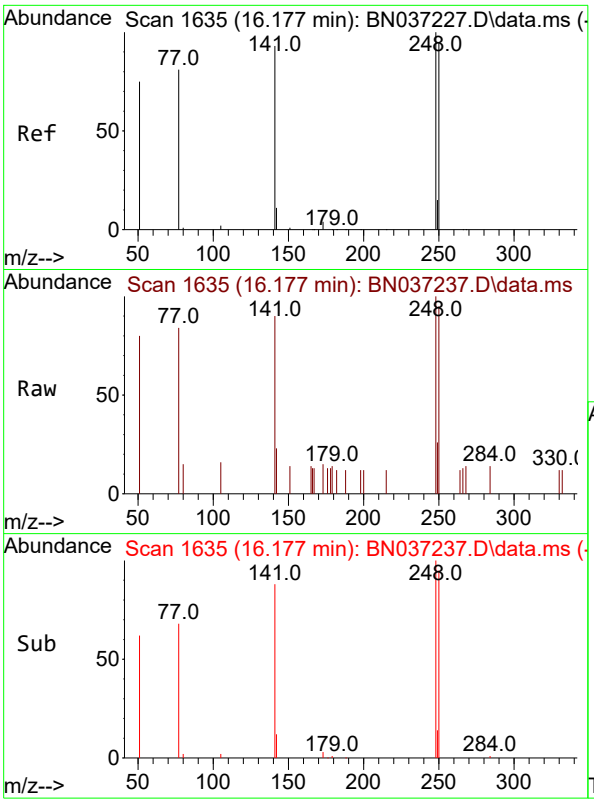


#20
4,6-Dinitro-2-methylphenol
Concen: 0.391 ng
RT: 15.378 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:198 Resp: 183

Ion	Ratio	Lower	Upper
198	100		
51	121.7	111.2	166.8
105	71.7	54.0	81.0





#21
4-Bromophenyl-phenylether
Concen: 0.363 ng
RT: 16.177 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:248 Resp: 60

Ion	Ratio	Lower	Upper
248	100		
250	95.5	76.8	115.2
141	89.9	75.6	113.4

Instrument :
BNA_N
ClientSampleId :
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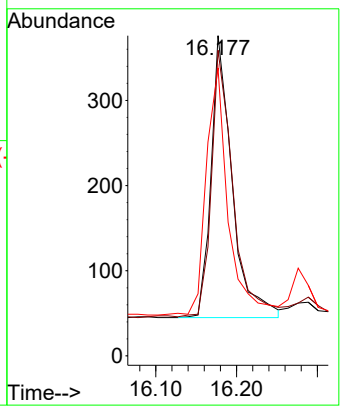
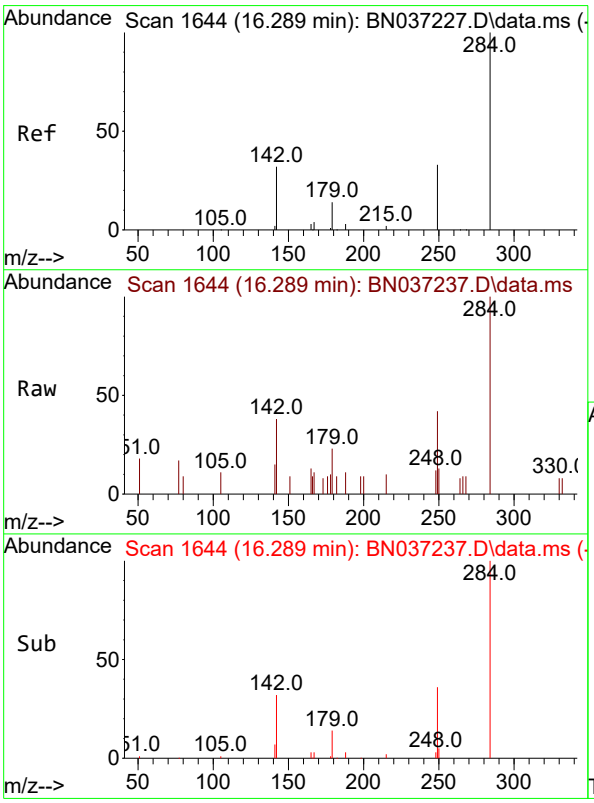
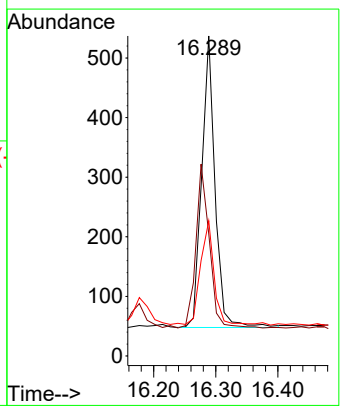


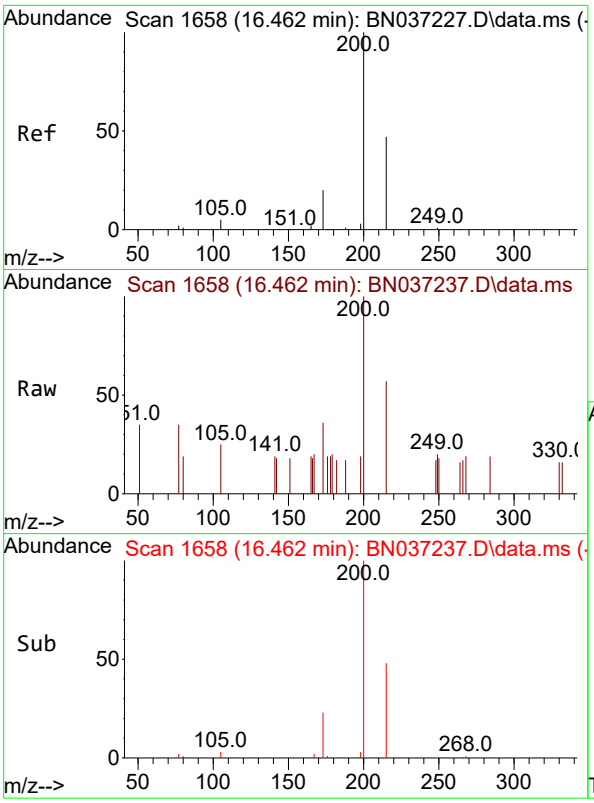


#22
Hexachlorobenzene
Concen: 0.380 ng
RT: 16.289 min Scan# 1644
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:284 Resp: 730

Ion	Ratio	Lower	Upper
284	100		
142	56.7	43.8	65.6
249	36.2	28.4	42.6

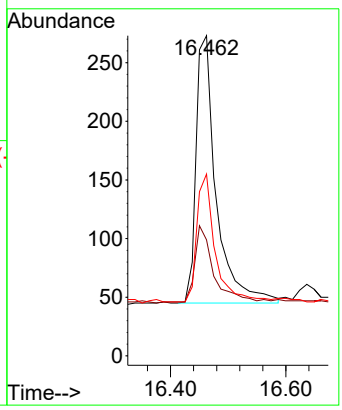




#23
Atrazine
Concen: 0.375 ng
RT: 16.462 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:200 Resp: 554

Ion	Ratio	Lower	Upper
200	100		
173	36.3	25.1	37.7
215	56.8	43.7	65.5



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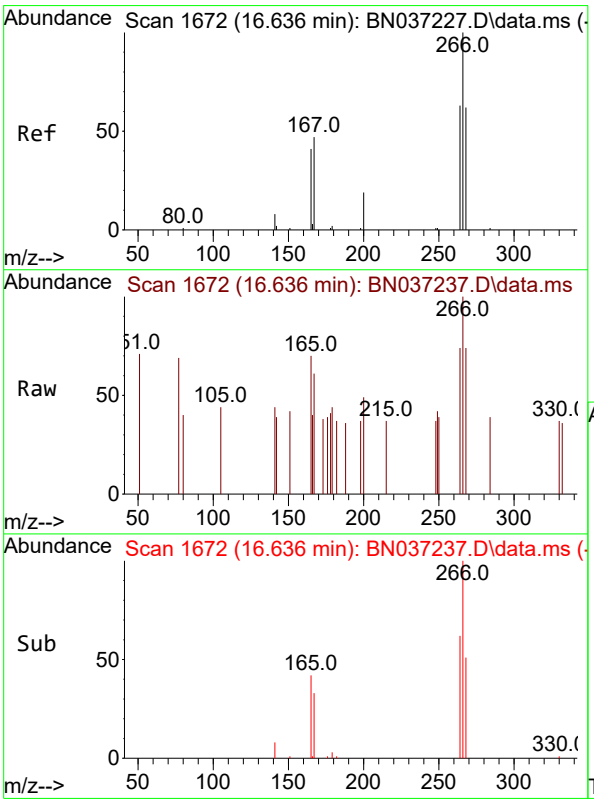
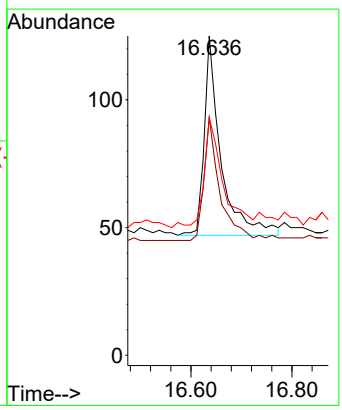
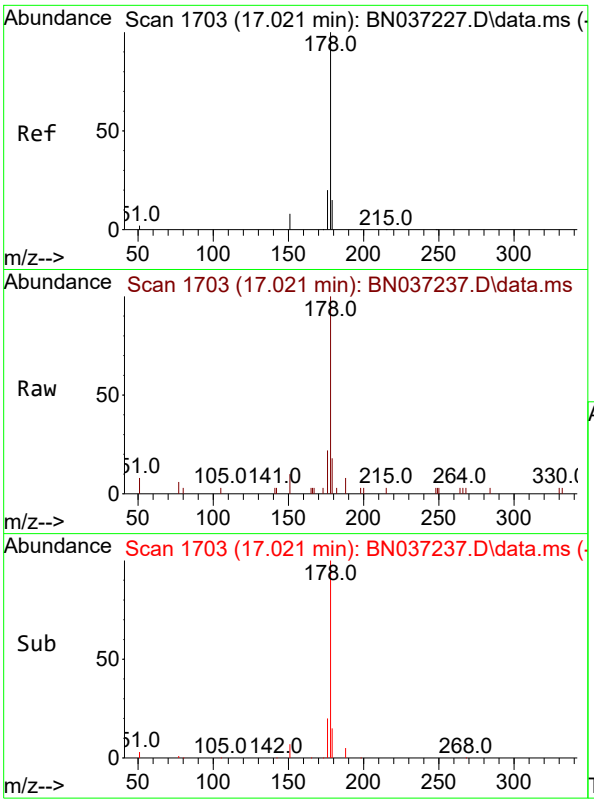


#24
Pentachlorophenol
Concen: 0.190 ng
RT: 16.636 min Scan# 1672
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:266 Resp: 179

Ion	Ratio	Lower	Upper
266	100		
264	59.8	49.2	73.8
268	62.0	53.4	80.2

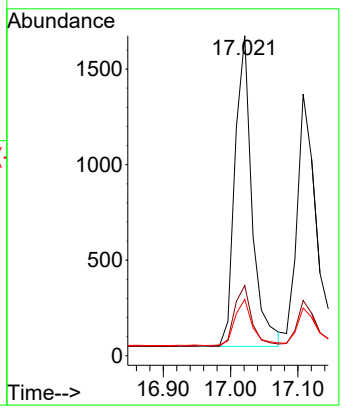




#25
Phenanthrene
Concen: 0.357 ng
RT: 17.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:178 Resp: 287

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.3	24.5
179	15.3	12.6	18.8



Instrument :
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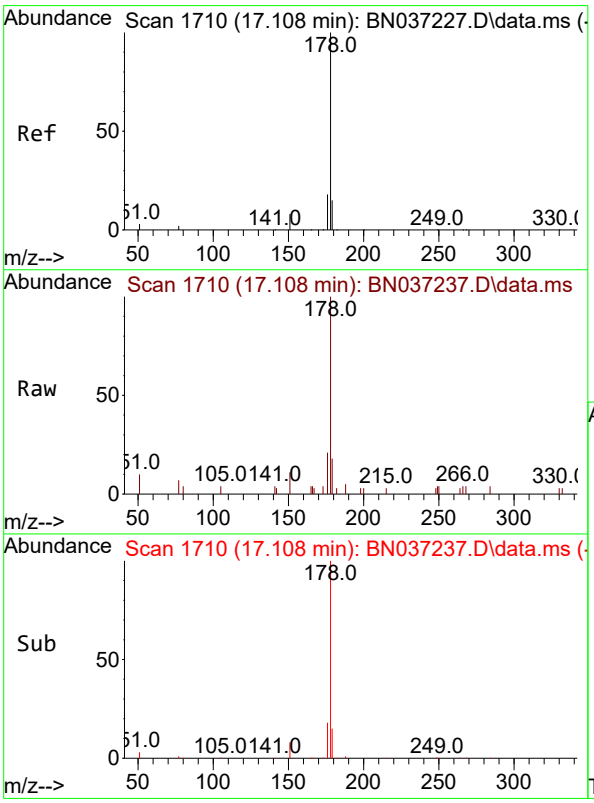
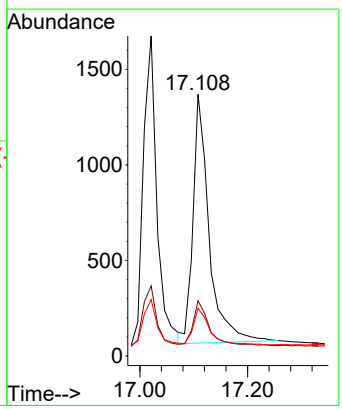
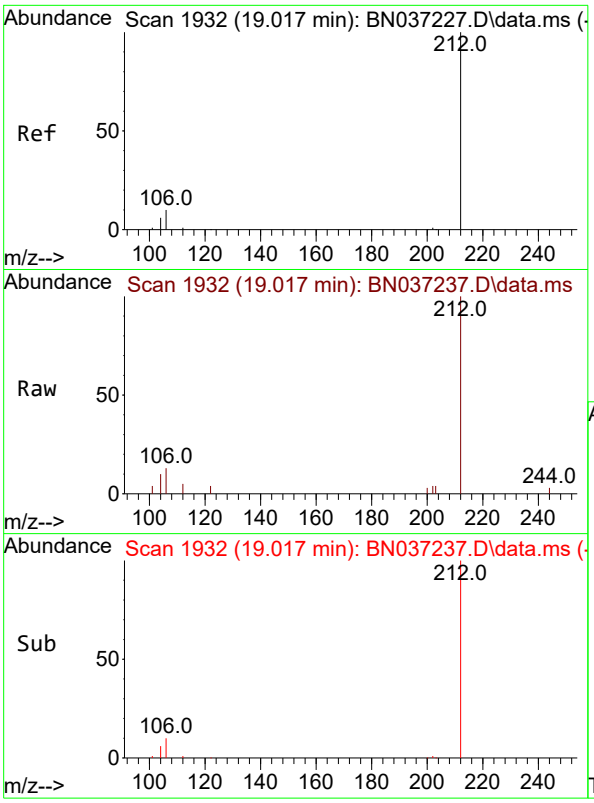


#26
Anthracene
Concen: 0.366 ng
RT: 17.108 min Scan# 1710
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:178 Resp: 2707

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.1	22.7
179	15.1	12.4	18.6

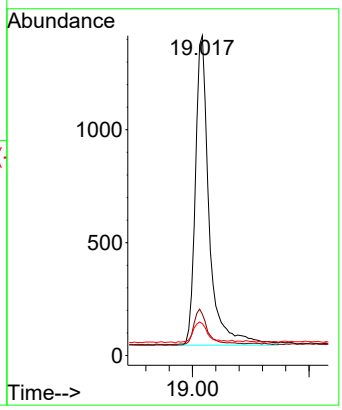




#27
Fluoranthene-d10
Concen: 0.340 ng
RT: 19.017 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:212 Resp: 226

Ion	Ratio	Lower	Upper
212	100		
106	11.2	9.3	13.9
104	7.4	5.7	8.5



Instrument :
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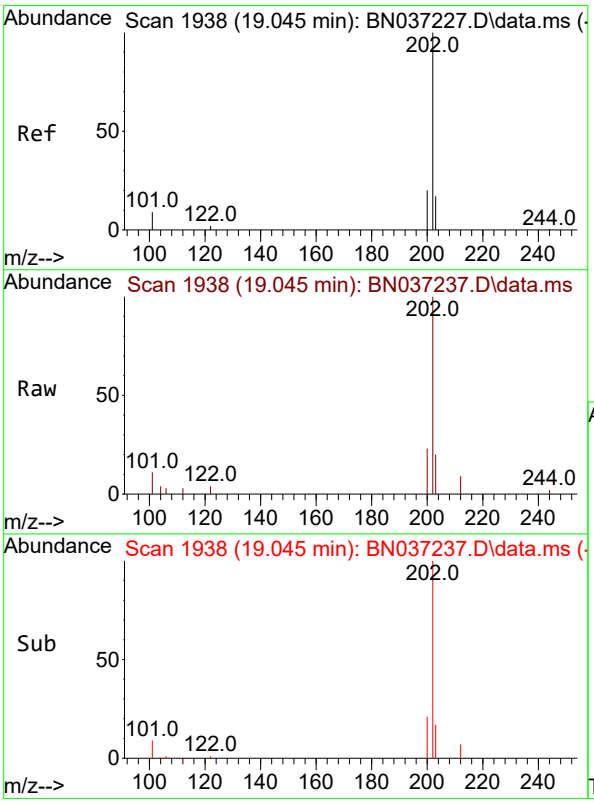
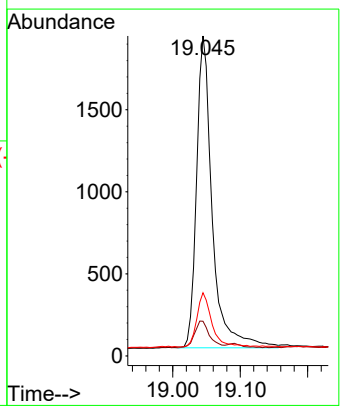
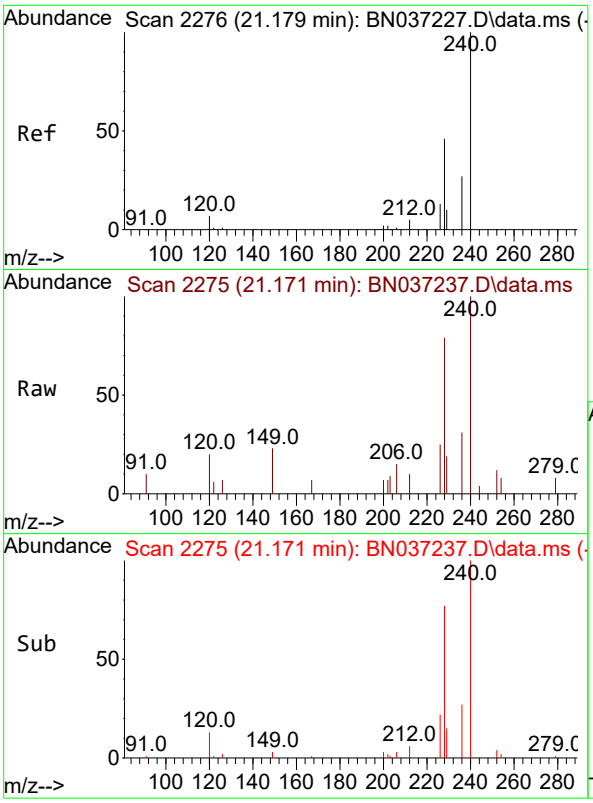


#28
Fluoranthene
Concen: 0.326 ng
RT: 19.045 min Scan# 1938
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:202 Resp: 3075

Ion	Ratio	Lower	Upper
202	100		
101	8.2	7.1	10.7
203	16.7	13.0	19.6





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.171 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:240 Resp: 186

Ion	Ratio	Lower	Upper
240	100		
120	20.2	11.3	16.9
236	31.3	24.4	36.6

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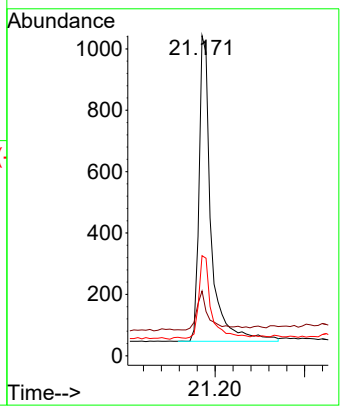
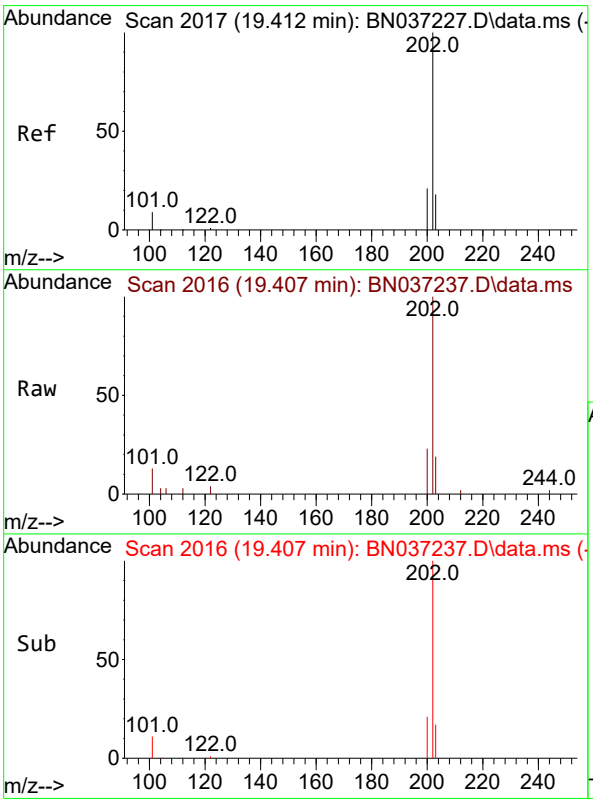
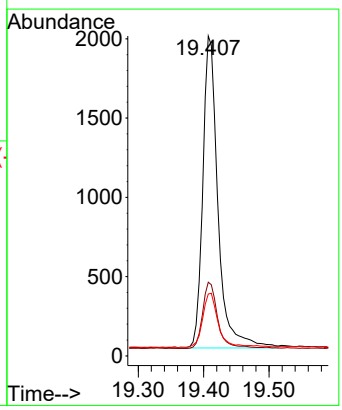


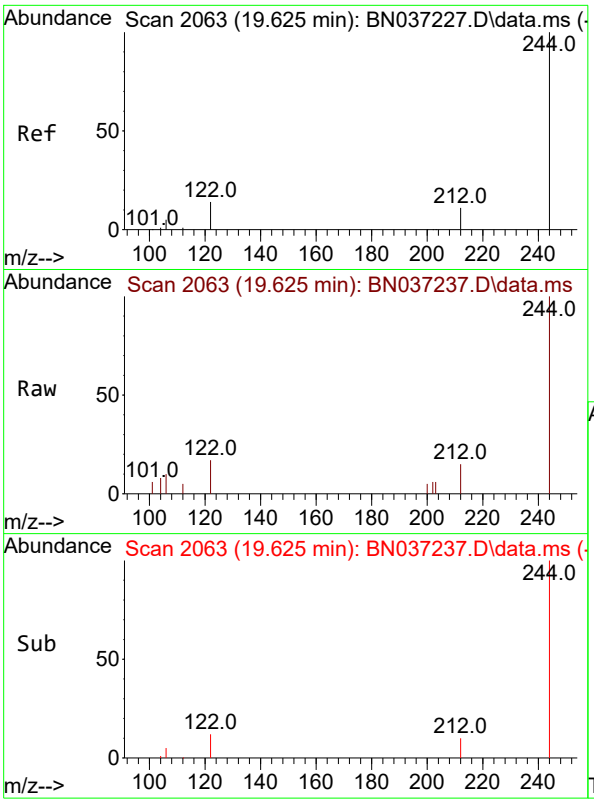


#30
Pyrene
Concen: 0.361 ng
RT: 19.407 min Scan# 2016
Delta R.T. -0.005 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:202 Resp: 3164

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.2	25.8
203	18.6	14.3	21.5

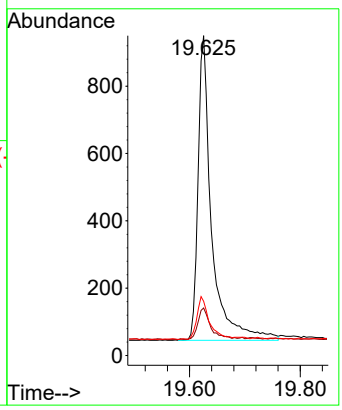




#31
Terphenyl-d14
Concen: 0.367 ng
RT: 19.625 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:244 Resp: 154

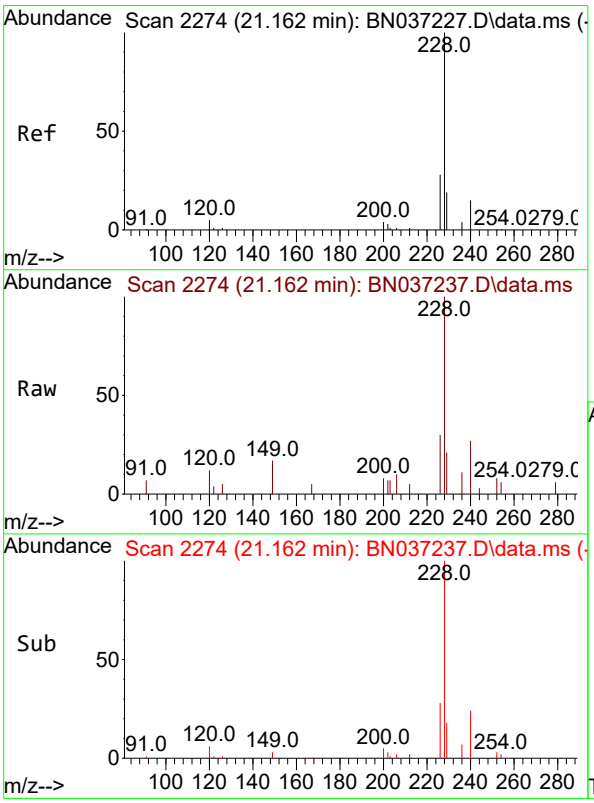
Ion	Ratio	Lower	Upper
244	100		
212	14.8	12.2	18.2
122	16.9	14.3	21.5



Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Manual Integrations
APPROVED

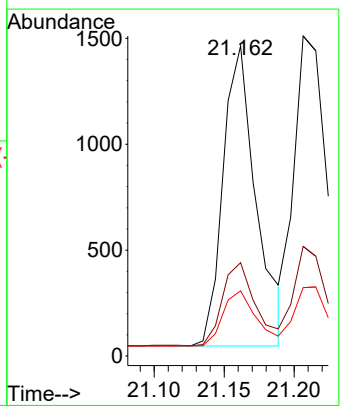
Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

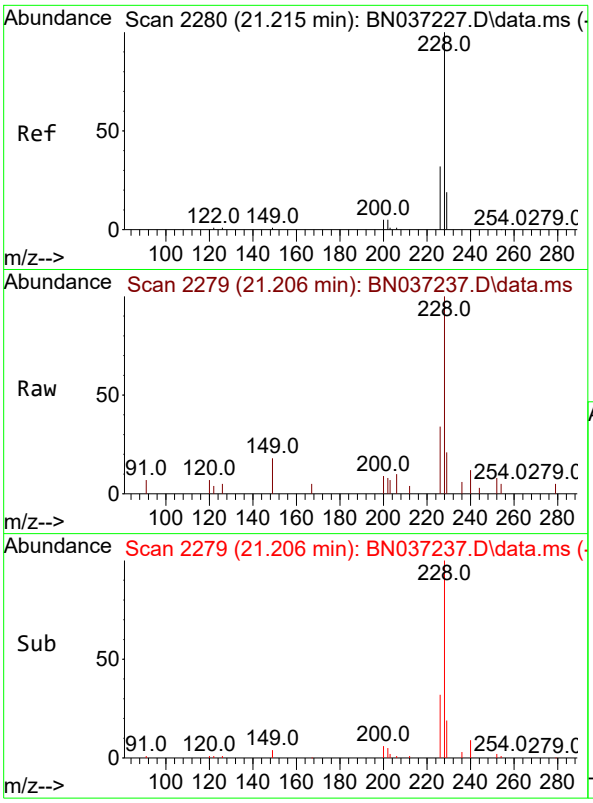


#32
Benzo(a)anthracene
Concen: 0.371 ng
RT: 21.162 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:228 Resp: 2335

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.8	35.8
229	21.0	17.0	25.4

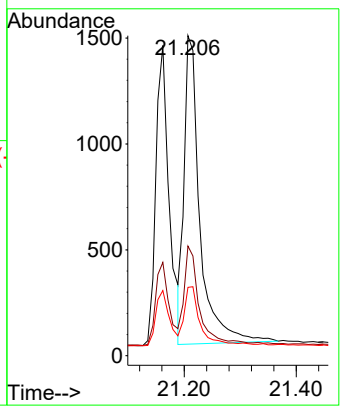




#33
Chrysene
Concen: 0.365 ng
RT: 21.206 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:228 Resp: 285

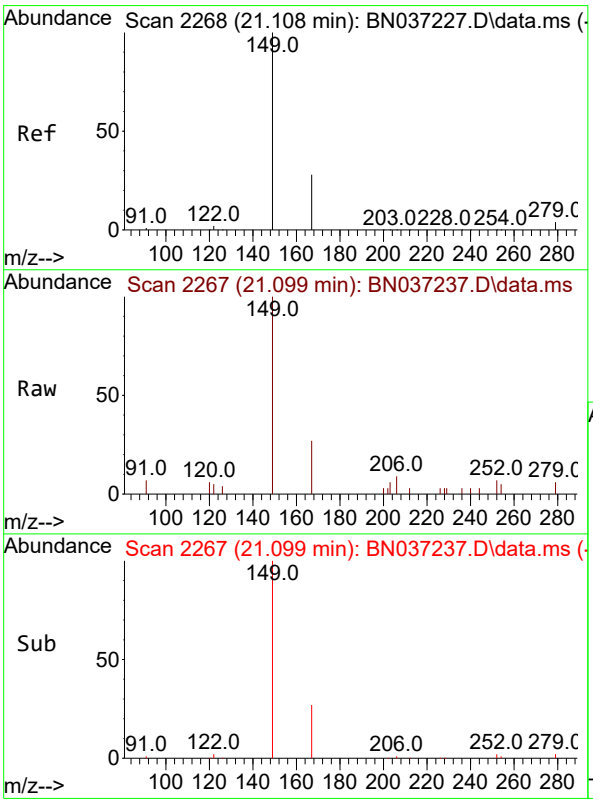
Ion	Ratio	Lower	Upper
228	100		
226	34.3	25.8	38.6
229	21.4	17.0	25.4



Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Manual Integrations
APPROVED

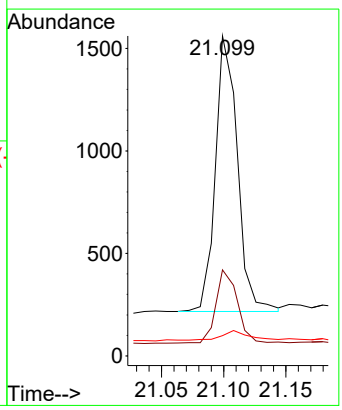
Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

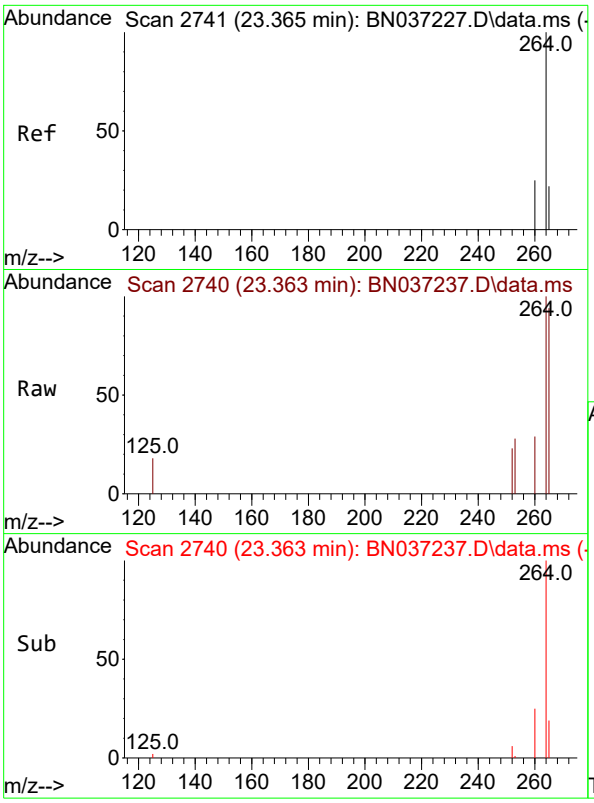


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.353 ng
RT: 21.099 min Scan# 2267
Delta R.T. -0.009 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:149 Resp: 1653

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.3	31.9
279	6.2	3.3	4.9#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.363 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Tgt Ion:264 Resp: 182

Ion	Ratio	Lower	Upper
264	100		
260	28.8	22.8	34.2
265	94.2	66.4	99.6

Manual Integrations
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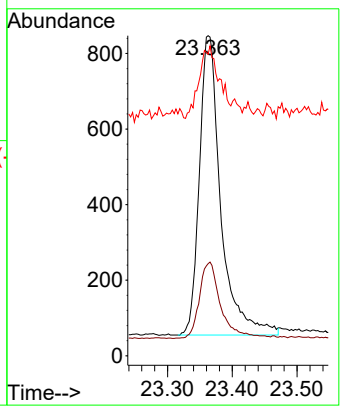
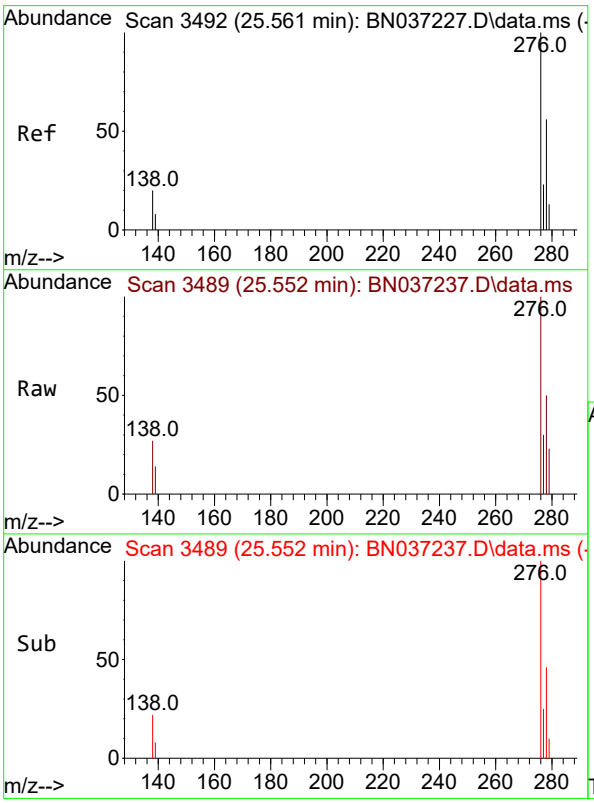
Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

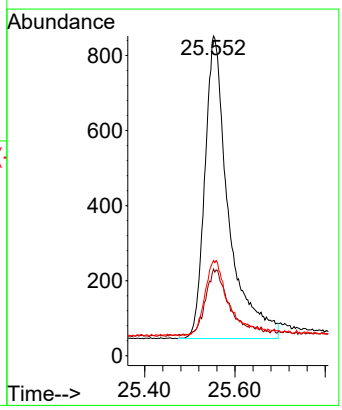


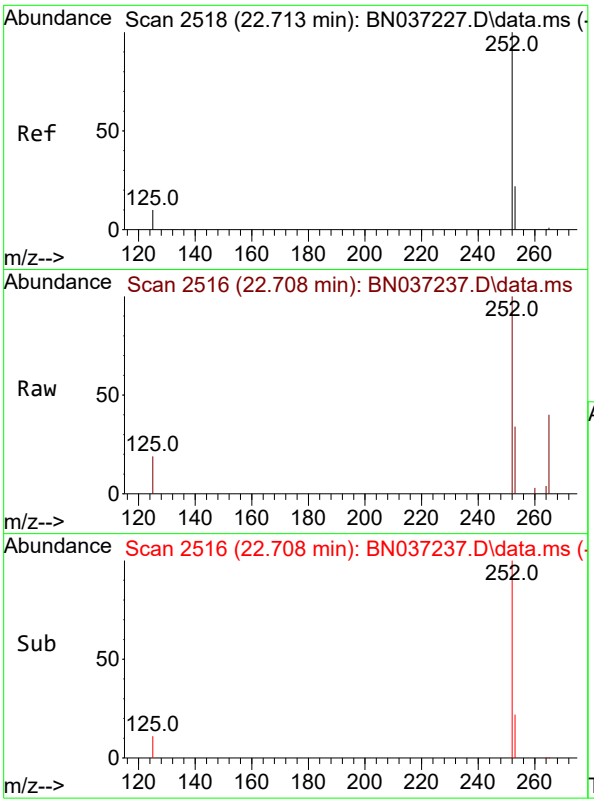


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.400 ng
RT: 25.552 min Scan# 3489
Delta R.T. -0.009 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:276 Resp: 2941

Ion	Ratio	Lower	Upper
276	100		
138	20.6	16.8	25.2
277	24.0	19.5	29.3





#37
Benzo(b)fluoranthene
Concen: 0.355 ng
RT: 22.708 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:252 Resp: 237

Ion	Ratio	Lower	Upper
252	100		
253	33.5	24.9	37.3
125	19.0	12.9	19.3

Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Manual Integrations
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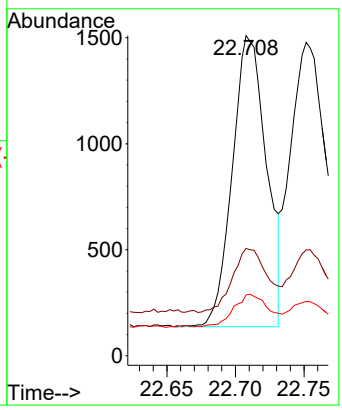
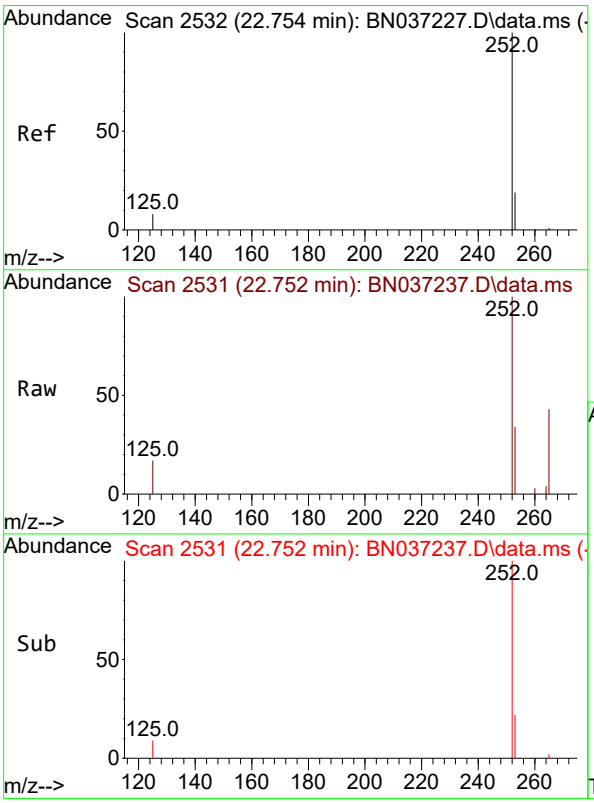
Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

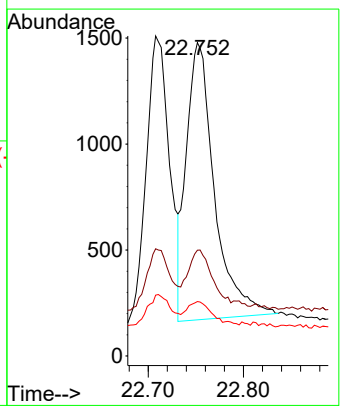


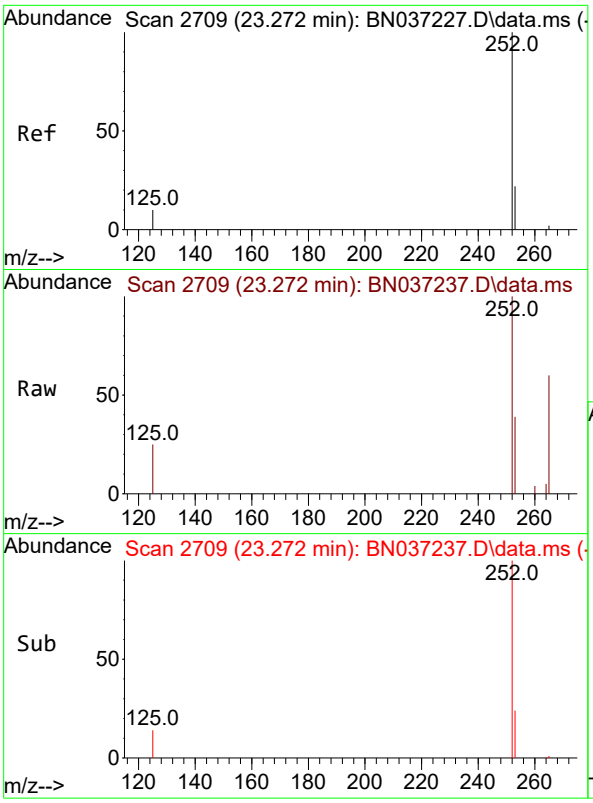


#38
Benzo(k)fluoranthene
Concen: 0.349 ng
RT: 22.752 min Scan# 2531
Delta R.T. -0.003 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:252 Resp: 2685

Ion	Ratio	Lower	Upper
252	100		
253	33.8	24.6	37.0
125	17.4	13.4	20.2

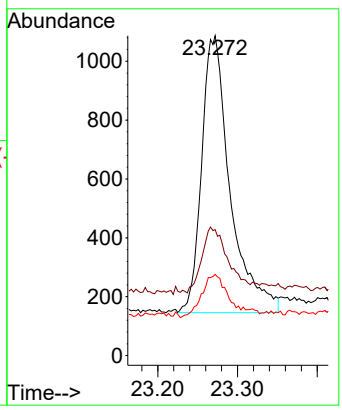




#39
Benzo(a)pyrene
Concen: 0.390 ng
RT: 23.272 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:252 Resp: 233

Ion	Ratio	Lower	Upper
252	100		
253	39.4	29.4	44.2
125	25.4	16.2	24.2



Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Manual Integrations
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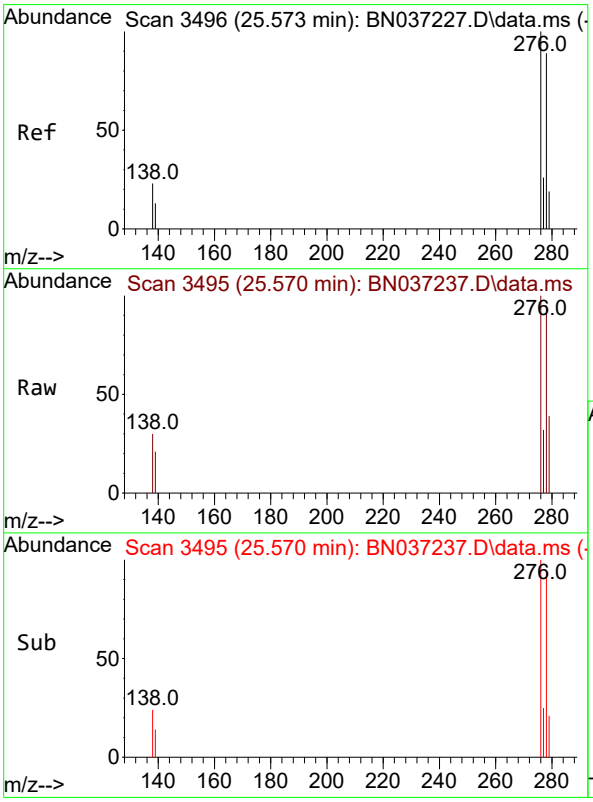
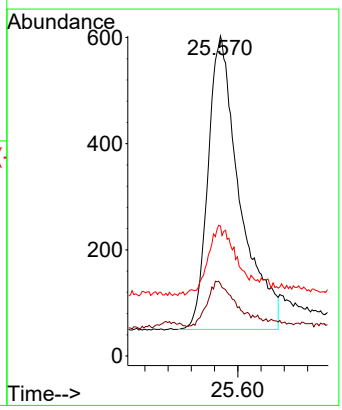
Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

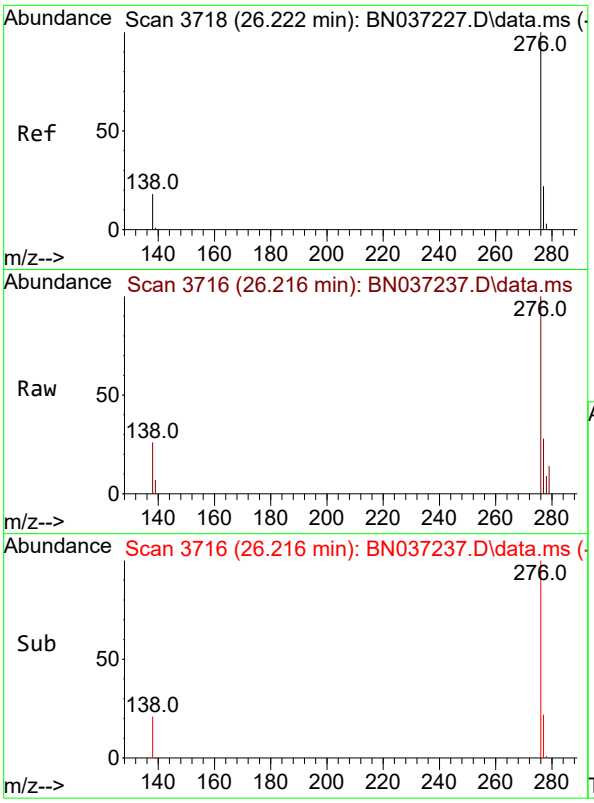


#40
Dibenzo(a,h)anthracene
Concen: 0.374 ng
RT: 25.570 min Scan# 3495
Delta R.T. -0.003 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:278 Resp: 2093

Ion	Ratio	Lower	Upper
278	100		
139	22.6	17.8	26.6
279	40.6	31.3	46.9

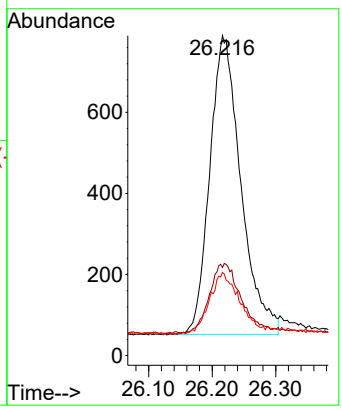




#41
Benzo(g,h,i)perylene
Concen: 0.368 ng
RT: 26.216 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN037237.D
Acq: 13 Jun 2025 21:25

Tgt Ion:276 Resp: 250

Ion	Ratio	Lower	Upper
276	100		
277	27.5	22.0	33.0
138	26.0	18.4	27.6



Instrument :
BNA_N
ClientSampleId :
PB168391BSD

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 06/16/2025
Supervised By :Jagrut Upadhyay 06/16/2025

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

Manual Integration Report

Sequence:	BN061325	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC0.1	BN037225.D	Benzo(k)fluoranthene	anahy	6/16/2025 10:00:46 AM	Jagrut	6/16/2025 10:17:11 AM	Peak Integrated by Software
SSTDICC0.1	BN037225.D	Dibenzo(a,h)anthracene	anahy	6/16/2025 10:00:46 AM	Jagrut	6/16/2025 10:17:11 AM	Peak Integrated by Software
PB168391BS	BN037236.D	2-Methylnaphthalene-d10	anahy	6/16/2025 10:01:28 AM	Jagrut	6/16/2025 10:16:51 AM	Peak Integrated by Software
PB168391BSD	BN037237.D	2-Methylnaphthalene-d10	anahy	6/16/2025 10:02:07 AM	Jagrut	6/16/2025 10:16:54 AM	Peak Integrated by Software

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN061325

Review By	anahy	Review On	6/16/2025 10:18:23 AM		
Supervise By	Jagrut	Supervise On	6/16/2025 10:18:34 AM		
SubDirectory	BN061325	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn061325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775
CCC	SP6779
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037223.D	13 Jun 2025 11:34	RC/JU	Ok
2	SSTDCCC0.4	BN037224.D	13 Jun 2025 12:50	RC/JU	Not Ok
3	SSTDICC0.1	BN037225.D	13 Jun 2025 13:33	RC/JU	Ok,M
4	SSTDICC0.2	BN037226.D	13 Jun 2025 14:10	RC/JU	Ok
5	SSTDICCC0.4	BN037227.D	13 Jun 2025 14:46	RC/JU	Ok
6	SSTDICC0.8	BN037228.D	13 Jun 2025 15:22	RC/JU	Ok
7	SSTDICC1.6	BN037229.D	13 Jun 2025 15:59	RC/JU	Ok
8	SSTDICC3.2	BN037230.D	13 Jun 2025 16:35	RC/JU	Ok
9	SSTDICC5.0	BN037231.D	13 Jun 2025 17:11	RC/JU	Ok
10	SSTDICV0.4	BN037232.D	13 Jun 2025 17:47	RC/JU	Ok
11	PB168391BL	BN037233.D	13 Jun 2025 19:00	RC/JU	Ok
12	Q2275-01	BN037234.D	13 Jun 2025 19:36	RC/JU	Ok
13	Q2275-03	BN037235.D	13 Jun 2025 20:12	RC/JU	Ok
14	PB168391BS	BN037236.D	13 Jun 2025 20:49	RC/JU	Ok,M
15	PB168391BSD	BN037237.D	13 Jun 2025 21:25	RC/JU	Ok,M
16	SSTDCCC0.4	BN037238.D	13 Jun 2025 22:01	RC/JU	Ok
17	DFTPP	BN037239.D	13 Jun 2025 23:16	RC/JU	Ok
18	SSTDCCC0.4	BN037240.D	13 Jun 2025 23:55	RC/JU	Ok
19	PB168458BL	BN037241.D	14 Jun 2025 00:31	RC/JU	Ok
20	Q2263-01	BN037242.D	14 Jun 2025 01:08	RC/JU	Ok
21	Q2263-02	BN037243.D	14 Jun 2025 01:44	RC/JU	Ok

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN061325

Review By	anahy	Review On	6/16/2025 10:18:23 AM		
Supervise By	Jagrut	Supervise On	6/16/2025 10:18:34 AM		
SubDirectory	BN061325	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn061325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775
CCC	SP6779
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2299-01	BN037244.D	14 Jun 2025 02:20	RC/JU	Ok
23	Q2299-02	BN037245.D	14 Jun 2025 02:56	RC/JU	Ok
24	Q2299-03MS	BN037246.D	14 Jun 2025 03:32	RC/JU	Ok,M
25	Q2299-04MSD	BN037247.D	14 Jun 2025 04:08	RC/JU	Ok,M
26	Q2299-05	BN037248.D	14 Jun 2025 04:45	RC/JU	Ok
27	Q2299-06	BN037249.D	14 Jun 2025 05:21	RC/JU	Ok
28	Q2299-07	BN037250.D	14 Jun 2025 05:57	RC/JU	Ok
29	Q2299-08	BN037251.D	14 Jun 2025 06:33	RC/JU	Ok
30	Q2299-09	BN037252.D	14 Jun 2025 07:09	RC/JU	Ok
31	Q2299-10	BN037253.D	14 Jun 2025 07:46	RC/JU	Ok
32	Q2299-11	BN037254.D	14 Jun 2025 08:22	RC/JU	Ok
33	Q2299-12	BN037255.D	14 Jun 2025 08:58	RC/JU	Ok
34	Q2299-13	BN037256.D	14 Jun 2025 09:34	RC/JU	Dilution
35	SSTDCCC0.4	BN037257.D	14 Jun 2025 10:10	RC/JU	Ok
36	DFTPP	BN037258.D	14 Jun 2025 12:44	RC/JU	Ok
37	SSTDCCC0.4	BN037259.D	14 Jun 2025 13:23	RC/JU	Ok
38	PB168336BL	BN037260.D	14 Jun 2025 13:59	RC/JU	Ok
39	Q2299-14	BN037261.D	14 Jun 2025 14:35	RC/JU	Dilution
40	Q2299-15	BN037262.D	14 Jun 2025 15:11	RC/JU	Ok
41	Q2299-16	BN037263.D	14 Jun 2025 15:47	RC/JU	Ok
42	Q2299-17	BN037264.D	14 Jun 2025 16:23	RC/JU	Dilution
43	Q2299-18	BN037265.D	14 Jun 2025 17:00	RC/JU	Ok
44	Q2299-19	BN037266.D	14 Jun 2025 17:36	RC/JU	Ok

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN061325

Review By	anahy	Review On	6/16/2025 10:18:23 AM		
Supervise By	Jagrut	Supervise On	6/16/2025 10:18:34 AM		
SubDirectory	BN061325	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn061325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775
CCC	SP6779
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q2299-20	BN037267.D	14 Jun 2025 18:12	RC/JU	Ok
46	Q2299-21	BN037268.D	14 Jun 2025 18:48	RC/JU	Ok
47	Q2299-22	BN037269.D	14 Jun 2025 19:24	RC/JU	Ok
48	PB168458BS	BN037270.D	14 Jun 2025 20:00	RC/JU	Ok,M
49	SSTDCCC0.4	BN037271.D	14 Jun 2025 20:36	RC/JU	Ok
50	DFTPP	BN037272.D	14 Jun 2025 21:51	RC/JU	Ok
51	SSTDCCC0.4	BN037273.D	14 Jun 2025 22:31	RC/JU	Ok
52	PB168476BL	BN037274.D	14 Jun 2025 23:07	RC/JU	Ok
53	Q2314-04	BN037275.D	14 Jun 2025 23:43	RC/JU	Ok
54	Q2314-05	BN037276.D	15 Jun 2025 00:18	RC/JU	Ok
55	Q2314-06	BN037277.D	15 Jun 2025 00:54	RC/JU	Ok
56	Q2316-01	BN037278.D	15 Jun 2025 01:30	RC/JU	Ok
57	Q2316-02	BN037279.D	15 Jun 2025 02:06	RC/JU	Ok
58	PB168476BS	BN037280.D	15 Jun 2025 02:42	RC/JU	Ok,M
59	PB168476BSD	BN037281.D	15 Jun 2025 03:18	RC/JU	Ok,M
60	SSTDCCC0.4	BN037282.D	15 Jun 2025 03:54	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN061325

Review By	anahy	Review On	6/16/2025 10:18:23 AM	
Supervise By	Jagrut	Supervise On	6/16/2025 10:18:34 AM	
SubDirectory	BN061325	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn061325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775
CCC	SP6779
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037223.D	13 Jun 2025 11:34		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037224.D	13 Jun 2025 12:50	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC0.1	SSTDICC0.1	BN037225.D	13 Jun 2025 13:33	Compound #02,03,20,24,34 remvoed from 0.1 PPM	RC/JU	Ok,M
4	SSTDICC0.2	SSTDICC0.2	BN037226.D	13 Jun 2025 14:10		RC/JU	Ok
5	SSTDICCC0.4	SSTDICCC0.4	BN037227.D	13 Jun 2025 14:46	Compound#20 Kept on QR	RC/JU	Ok
6	SSTDICC0.8	SSTDICC0.8	BN037228.D	13 Jun 2025 15:22		RC/JU	Ok
7	SSTDICC1.6	SSTDICC1.6	BN037229.D	13 Jun 2025 15:59		RC/JU	Ok
8	SSTDICC3.2	SSTDICC3.2	BN037230.D	13 Jun 2025 16:35		RC/JU	Ok
9	SSTDICC5.0	SSTDICC5.0	BN037231.D	13 Jun 2025 17:11		RC/JU	Ok
10	SSTDICV0.4	ICVBN061325	BN037232.D	13 Jun 2025 17:47		RC/JU	Ok
11	PB168391BL	PB168391BL	BN037233.D	13 Jun 2025 19:00		RC/JU	Ok
12	Q2275-01	OW-08B-72.5-060925	BN037234.D	13 Jun 2025 19:36		RC/JU	Ok
13	Q2275-03	EB01-060925	BN037235.D	13 Jun 2025 20:12		RC/JU	Ok
14	PB168391BS	PB168391BS	BN037236.D	13 Jun 2025 20:49		RC/JU	Ok,M
15	PB168391BSD	PB168391BSD	BN037237.D	13 Jun 2025 21:25		RC/JU	Ok,M
16	SSTDCCC0.4	SSTDCCC0.4EC	BN037238.D	13 Jun 2025 22:01		RC/JU	Ok
17	DFTPP	DFTPP	BN037239.D	13 Jun 2025 23:16		RC/JU	Ok

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN061325

Review By	anahy	Review On	6/16/2025 10:18:23 AM	
Supervise By	Jagrut	Supervise On	6/16/2025 10:18:34 AM	
SubDirectory	BN061325	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn061325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775
CCC	SP6779
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	SSTDCCC0.4	SSTDCCC0.4	BN037240.D	13 Jun 2025 23:55		RC/JU	Ok
19	PB168458BL	PB168458BL	BN037241.D	14 Jun 2025 00:31		RC/JU	Ok
20	Q2263-01	RW9-MW01D3-202506	BN037242.D	14 Jun 2025 01:08		RC/JU	Ok
21	Q2263-02	RW9-MW01S-2025060	BN037243.D	14 Jun 2025 01:44		RC/JU	Ok
22	Q2299-01	RE117D1-20250609	BN037244.D	14 Jun 2025 02:20		RC/JU	Ok
23	Q2299-02	RE117D2-20250609	BN037245.D	14 Jun 2025 02:56		RC/JU	Ok
24	Q2299-03MS	TT191D1-20250609MS	BN037246.D	14 Jun 2025 03:32		RC/JU	Ok,M
25	Q2299-04MSD	TT191D1-20250609MS	BN037247.D	14 Jun 2025 04:08		RC/JU	Ok,M
26	Q2299-05	TT191D1-20250609	BN037248.D	14 Jun 2025 04:45		RC/JU	Ok
27	Q2299-06	TT191D2-20250609	BN037249.D	14 Jun 2025 05:21		RC/JU	Ok
28	Q2299-07	RW10-MW01S-202506	BN037250.D	14 Jun 2025 05:57		RC/JU	Ok
29	Q2299-08	RW10-MW01D-202506	BN037251.D	14 Jun 2025 06:33		RC/JU	Ok
30	Q2299-09	RW10A-MW01S-20250	BN037252.D	14 Jun 2025 07:09		RC/JU	Ok
31	Q2299-10	RW10A-MW01I-202506	BN037253.D	14 Jun 2025 07:46		RC/JU	Ok
32	Q2299-11	TT158I1-20250610	BN037254.D	14 Jun 2025 08:22		RC/JU	Ok
33	Q2299-12	DUP01-20250610	BN037255.D	14 Jun 2025 08:58		RC/JU	Ok
34	Q2299-13	RE131D2-20250610	BN037256.D	14 Jun 2025 09:34	Need 5X Dilution	RC/JU	Dilution
35	SSTDCCC0.4	SSTDCCC0.4EC	BN037257.D	14 Jun 2025 10:10		RC/JU	Ok
36	DFTPP	DFTPP	BN037258.D	14 Jun 2025 12:44		RC/JU	Ok

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN061325

Review By	anahy	Review On	6/16/2025 10:18:23 AM	
Supervise By	Jagrut	Supervise On	6/16/2025 10:18:34 AM	
SubDirectory	BN061325	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn061325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775
CCC	SP6779
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

37	SSTDCCC0.4	SSTDCCC0.4	BN037259.D	14 Jun 2025 13:23		RC/JU	Ok
38	PB168336BL	PB168336BL	BN037260.D	14 Jun 2025 13:59		RC/JU	Ok
39	Q2299-14	DUP02-20250610	BN037261.D	14 Jun 2025 14:35	Need 5X Dilution	RC/JU	Dilution
40	Q2299-15	TT174I1-20250610	BN037262.D	14 Jun 2025 15:11		RC/JU	Ok
41	Q2299-16	RE134D4-20250610	BN037263.D	14 Jun 2025 15:47		RC/JU	Ok
42	Q2299-17	RE134D3-20250610	BN037264.D	14 Jun 2025 16:23	Need 2X Dilution	RC/JU	Dilution
43	Q2299-18	TT190D1-20250611	BN037265.D	14 Jun 2025 17:00		RC/JU	Ok
44	Q2299-19	RW11-MW01I-2025061	BN037266.D	14 Jun 2025 17:36		RC/JU	Ok
45	Q2299-20	RW11-MW01S-202506	BN037267.D	14 Jun 2025 18:12		RC/JU	Ok
46	Q2299-21	RE134D1-20250611	BN037268.D	14 Jun 2025 18:48		RC/JU	Ok
47	Q2299-22	TT190D2-20250611	BN037269.D	14 Jun 2025 19:24		RC/JU	Ok
48	PB168458BS	PB168458BS	BN037270.D	14 Jun 2025 20:00		RC/JU	Ok,M
49	SSTDCCC0.4	SSTDCCC0.4EC	BN037271.D	14 Jun 2025 20:36		RC/JU	Ok
50	DFTPP	DFTPP	BN037272.D	14 Jun 2025 21:51		RC/JU	Ok
51	SSTDCCC0.4	SSTDCCC0.4	BN037273.D	14 Jun 2025 22:31		RC/JU	Ok
52	PB168476BL	PB168476BL	BN037274.D	14 Jun 2025 23:07		RC/JU	Ok
53	Q2314-04	BP-VPB-182-GW-880-8	BN037275.D	14 Jun 2025 23:43		RC/JU	Ok
54	Q2314-05	BP-VPB-182-EB-20250	BN037276.D	15 Jun 2025 00:18		RC/JU	Ok
55	Q2314-06	VPB182-HYD-2025061	BN037277.D	15 Jun 2025 00:54	Surrogate fail	RC/JU	Ok

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN061325

Review By	anahy	Review On	6/16/2025 10:18:23 AM	
Supervise By	Jagrut	Supervise On	6/16/2025 10:18:34 AM	
SubDirectory	BN061325	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn061325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775
CCC	SP6779
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

56	Q2316-01	RW8-SP100-20250612	BN037278.D	15 Jun 2025 01:30		RC/JU	Ok
57	Q2316-02	RW8-SP303-20250612	BN037279.D	15 Jun 2025 02:06		RC/JU	Ok
58	PB168476BS	PB168476BS	BN037280.D	15 Jun 2025 02:42		RC/JU	Ok,M
59	PB168476BSD	PB168476BSD	BN037281.D	15 Jun 2025 03:18		RC/JU	Ok,M
60	SSTDCCC0.4	SSTDCCC0.4EC	BN037282.D	15 Jun 2025 03:54		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168391

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 06/10/2025

Extraction Start Time : 12:20

Extraction End Date : 06/10/2025

Extraction End Time : 17:10

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	0.4 PPM	SP6756
Surrogate	1.0ML	0.4 PPM	SP6758
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3939
Baked Na2SO4	N/A	EP2620
10N NaoH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/10/25	RP (Ext. Lab)	RC/SVOC
17:15	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168391

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 06/10/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168391BL	SBLK391	SVOC-SIMGroup1	1000	6	RUPESH	rajesh	1			SEP-1
PB168391BS	SLCS391	SVOC-SIMGroup1	1000	6	RUPESH	rajesh	1			2
PB168391BSD	SLCSD391	SVOC-SIMGroup1	1000	6	RUPESH	rajesh	1			3
Q2263-01	RW9-MW01D3-20250606	SVOC-SIMGroup1	1000	6	RUPESH	rajesh	1	C		4
Q2263-02	RW9-MW01D3-20250606	SVOC-SIMGroup1	970	6	RUPESH	rajesh	1	C		5
Q2275-01	OW-08B-72.5-060925	SVOC-SIMGroup1	990	6	RUPESH	rajesh	1	D		6
Q2275-03	EB01-060925	SVOC-SIMGroup1	890	6	RUPESH	rajesh	1	D		7

* **Extracts relinquished on the same date as received.**

6/10/25

(168351 12:20)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2263 **WorkList ID :** 190070 **Department :** Extraction **Date :** 06-10-2025 12:18:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2263-01	RW9-MW01D3-20250606	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D21	06/06/2025	8270-Modified
Q2263-02	RW9-MW01D3-20250606	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D21	06/06/2025	8270-Modified
Q2275-01	OW-08B-72.5-060925	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D31	06/08/2025	8270-Modified
Q2275-03	EB01-060925	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D31	06/08/2025	8270-Modified

Date/Time 06/10/25 12:19
Raw Sample Received by: RSCEd (as)
Raw Sample Relinquished by:

Date/Time 06/10/25 12:11
Raw Sample Received by:
Raw Sample Relinquished by: RSCEd (as)

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Prep Standard - Chemical Standard Summary

Order ID : Q2275

Test : SVOC-SIMGroup1

Prepbatch ID : PB168391,

Sequence ID/Qc Batch ID: BN061325,

Standard ID :
EP2609,EP2610,EP2620,SP6740,SP6756,SP6757,SP6758,SP6767,SP6768,SP6774,SP6775,SP6776,SP6777,SP6778,SP6779,SP6780,SP6781,

Chemical ID :
1ul/100ul sample,E3551,E3657,E3874,E3902,E3904,E3915,E3926,E3939,M6157,S10104,S11496,S11650,S11788,S11832,S12115,S12195,S12216,S12271,S12486,S12533,S12577,S12651,S12792,S12974,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2609	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2620	05/30/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/30/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3493	Internal Standard 0.4 PPM	SP6740	02/13/2025	07/30/2025	Rahul Chavli	None	None	Yogesh Patel 02/28/2025

FROM 0.10000ml of S12651 + 4.90000ml of E3874 = Final Quantity: 5.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3492	8270-SIM-Spike 0.4 PPM	SP6756	03/24/2025	07/29/2025	Rahul Chavli	None	None	mohammad ahmed 04/07/2025

FROM 0.00160ml of S11650 + 0.02000ml of S11788 + 0.04000ml of S12486 + 0.04000ml of S12533 + 0.04000ml of S12974 + 99.85840ml of E3902 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3491	8270-SIM-Surrogate 0.4 PPM	SP6758	04/03/2025	07/24/2025	Rahul Chavli	None	None	mohammad ahmed 04/07/2025

FROM 0.00800ml of S12195 + 0.01600ml of S12216 + 0.04000ml of S11832 + 199.93600ml of E3915 = Final Quantity: 200.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3355	8270-SIM MDL-3.2PPM CALIBRATION STOCK SOL- 2ND SOURCE	SP6767	04/10/2025	07/24/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.00630ml of S12195 + 0.01280ml of S12216 + 0.03200ml of S11788 + 0.03200ml of S11832 + 0.06400ml of S12486 + 0.06400ml of S12533 + 0.06400ml of S12974 + 19.72490ml of E3926 = Final Quantity: 20.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3356	8270-SIM MDL-0.4PPM CALIBRATION SOL ICV-2ND SOURCE	SP6768	04/10/2025	07/24/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.87500ml of E3926 + 0.01000ml of SP6740 + 0.12500ml of SP6767 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3339	8270 sim calibration stock 10ppm (CPI)	SP6774	04/28/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.03350ml of S10104 + 0.05000ml of S11496 + 0.12500ml of S11832 + 0.12500ml of S12115 + 0.25000ml of S12271 + 0.25000ml of S12792 + 24.16650ml of E3926 = Final Quantity: 25.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3361	8270-SIM MDL-5PPM CALIBRATION SOLUTION	SP6775	04/28/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.50000ml of E3926 + 0.01000ml of SP6740 + 0.50000ml of SP6774 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3341	8270-SIM MDL-3.2PPM CALIBRATION SOLUTION	SP6776	04/28/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.68000ml of E3926 + 0.01000ml of SP6740 + 0.32000ml of SP6774 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3344	8270-SIM MDL-1.6PPM CALIBRATION SOLUTION	SP6777	04/28/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.84000ml of E3926 + 0.01000ml of SP6740 + 0.16000ml of SP6774 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3342	8270-SIM MDL-0.8PPM CALIBRATION SOLUTION	SP6778	04/28/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.92000ml of E3926 + 0.01000ml of SP6740 + 0.08000ml of SP6774 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3343	8270-SIM MDL-0.4PPM CALIBRATION SOLUTION	SP6779	04/28/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.96000ml of E3926 + 0.01000ml of SP6740 + 0.04000ml of SP6774 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3345	8270-SIM MDL-0.2PPM CALIBRATION SOLUTION	SP6780	04/28/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.50000ml of E3926 + 0.01000ml of SP6740 + 0.50000ml of SP6779 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3346	8270-SIM MDL-0.1PPM CALIBRATION SOLUTION	SP6781	04/28/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.75000ml of E3926 + 0.01000ml of SP6740 + 0.25000ml of SP6779 = Final Quantity: 1.010 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	09/18/2025	03/18/2025 / RUPESH	02/12/2025 / RUPESH	E3902

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	01/07/2026	03/13/2025 /	12/27/2024 / RUPESH	E3904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	09/26/2025	03/26/2025 / Rajesh	03/19/2025 / RUPESH	E3915

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	10/08/2025	04/08/2025 / Rajesh	02/07/2025 / Rajesh	E3926

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A2862010	11/22/2025	05/22/2025 / RUPESH	02/28/2025 / RUPESH	E3939

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	07/30/2025	01/30/2025 / anahy	12/09/2021 / Christian	S10104

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	10/28/2025	04/28/2025 / Jagrut	08/11/2023 / Yogesh	S11496

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	07/29/2025	01/29/2025 / anahy	11/09/2023 / Yogesh	S11650

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	33913 / SOM01.0 SIM Analysis Standard (Surrogate), 2000 PPM	A0201976	07/24/2025	01/24/2025 / anahy	11/21/2023 / rahul	S11832

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	10/28/2025	04/28/2025 / Jagrut	03/08/2024 / Rahul	S12115

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12216

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	10/28/2025	04/28/2025 / Jagrut	05/24/2024 / Rahul	S12271

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12486

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12533

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	08/07/2025	02/07/2025 / anahy	09/20/2024 / anahy	S12651

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	06/21/2025	04/28/2025 / Jagrut	05/24/2024 / Rahul	S12792

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12974

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by RB on 7/24/23 E3551

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3874

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-798 PRODUCT CODE: SHIP DATE: 12/9/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3902

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Recd. by RS on 3/19/25

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3915

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

PO: PO2-1308 PRODUCT CODE: SHIP DATE: 2/7/25

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3926

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A2862010
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3939

J Croak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M615 MB

avantor | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	<1 ppm
ACS - Substances Reducing Permanganate(as SO2)	<= 2 ppm	<2 ppm
Ammonium (NH_4)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO_3)	<= 0.2 ppm	0.1 ppm
Phosphate (PO_4)	<= 0.5 ppm	<0.1 ppm
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities - Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities - Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities - Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities - Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities - Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities - Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities - Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities - Silver (Ag)	<= 1.0 ppb	<1.0 ppb

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

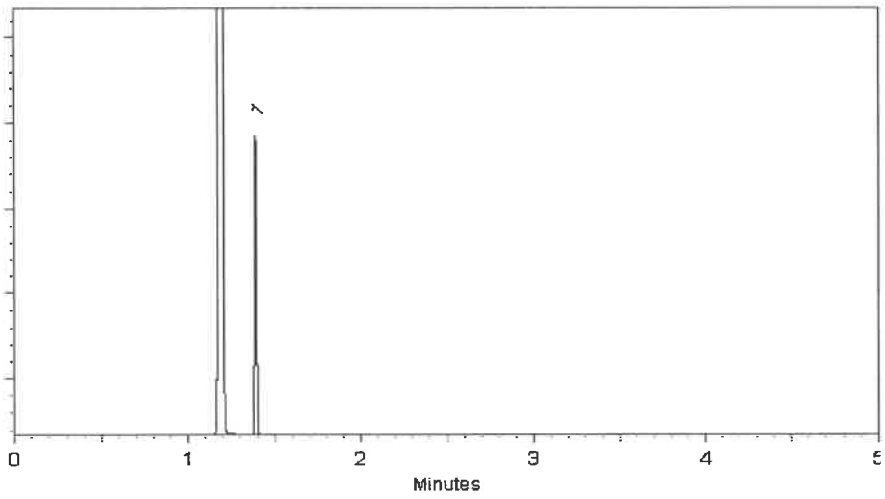
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 33913 **Lot No.:** A0201976

Description : SOM01.0 SIM Analysis Standard

SOM01.0 SIM Analysis Standard 2000µg/mL, Methylene chloride, 1mL /ampul

S11828 ↓ S11832 } RC/ 11/30/23

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methylnaphthalene-d10	7297-45-2	EF-135	98%	2,015.9 µg/mL	+/- 90.8098
2	Fluoranthene-d10	93951-69-0	PR-32557	99%	2,020.0 µg/mL	+/- 90.9963

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

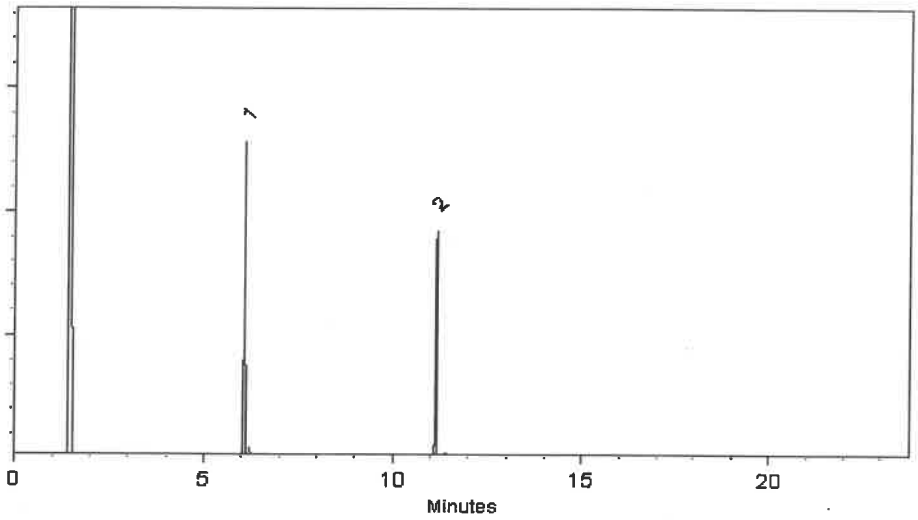
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 13-Sep-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 28-Sep-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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(707)545-7901 Fax

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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

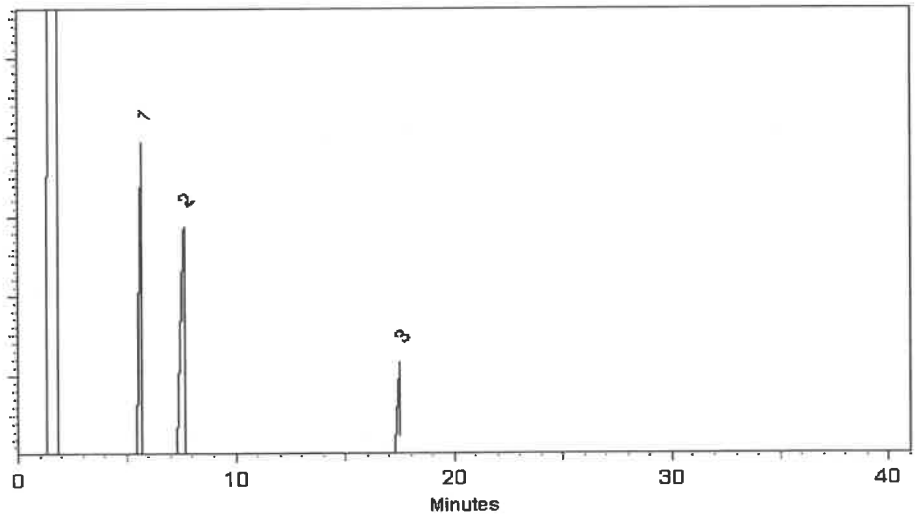
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

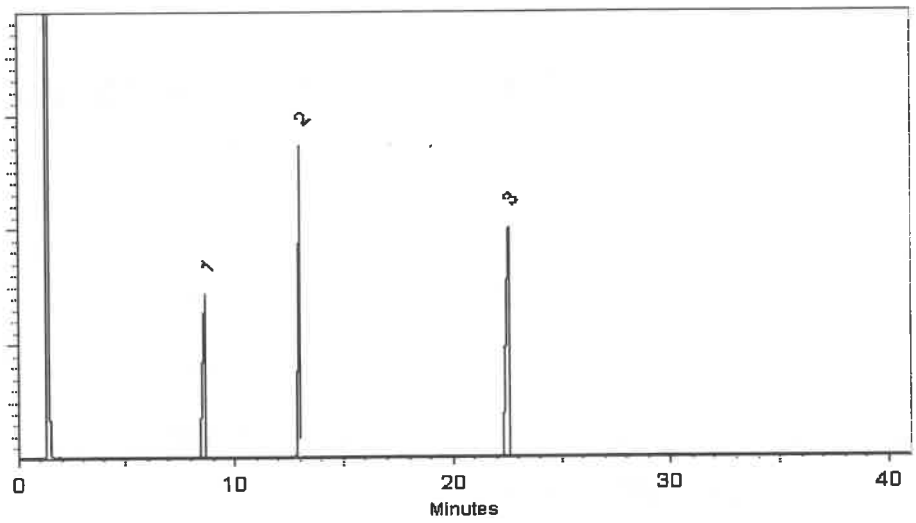
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC/ 05/24/24

*Not a certified value

Kerry E Kane

Certified By: _____

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ISO 17034 Accredited
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Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 } RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

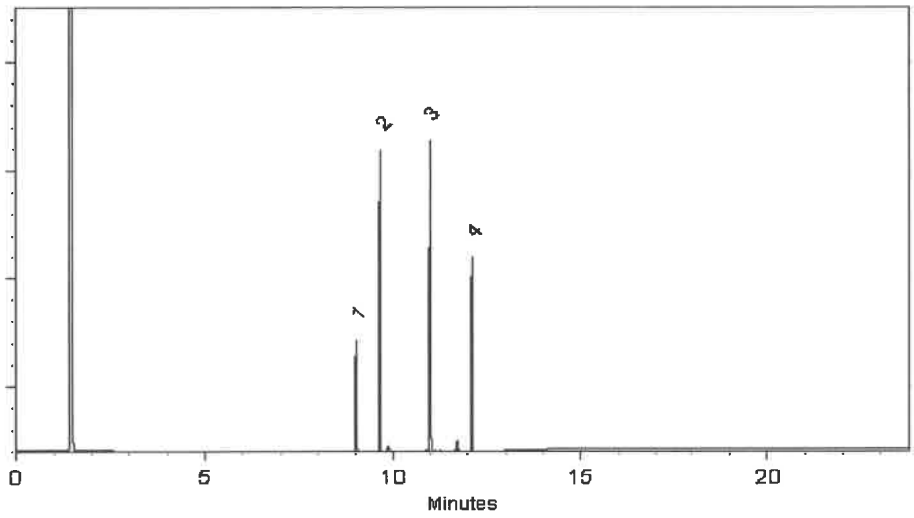
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

CPI INTERNATIONAL

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Santa Rosa, CA 95403

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(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤-10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

~~S12280~~ → ~~S12284~~ RCI 05/24/24

New numbers Generated.

S12790 → S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2275
COC Number 2047199

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Jacobs
ADDRESS: 412 Mt. Kemble Ave, Suite 100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Infante John.Infante@Jacobs.com
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC Princeton
PROJECT NO.: D3668221 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Rush TAT (2 DAY) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☑ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other
☐ EDD FORMAT

ANALYSIS

1. Site Specific VOCs (624.1 List)
2. 1,4-Dioxane (624.1 SIM)
3. Trace VOCs (SFAM01.1 SIM)
4. 5
5. 6
6. 7
7. 8
8. 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A/E	E	A/E							← Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER
1.	OW-08B_72.5_060925	GW		X	6/8/25	1240	5	X	X								
2.	OW-08B_72.5_060925_SIM	GW		X	6/8/25	1240	3			X							
3.	EB01-060925	DI		X	6/8/25	1500	5	X	X								
4.	EB01-060925_SIM	DI		X	6/8/25	1500	3			X							
5.	TB01-060925	DI		X	6/8/25	0900	2	X									
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	6/9/25 1500	1. 6/10/25 0700
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.2°C
Comments: See work order for list of Site specific VOC's
PO 2148064311

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

From: Ynfante, John <John.Ynfante@jacobs.com>
Sent: Thursday, June 12, 2025 2:00 PM
To: Yazmeen Gomez <yazmeen.gomez@alliancetg.com>; Data-EWR <Data-EWR@alliancetg.com>
Cc: Ongjoco, Alec <Alec.Ongjoco@jacobs.com>; Dillon, Alexa <Alexa.Dillon@jacobs.com>; Lader, Chelsea <Chelsea.Lader@jacobs.com>; Holmes, Daniel <Daniel.Holmes@jacobs.com>; Reamer, David <David.Reamer@jacobs.com>; Murphy, Mary <Mary.Murphy@jacobs.com>; Warren, Melissa <Melissa.Warren@jacobs.com>; Asher, Sarah <Sarah.Asher@jacobs.com>
Subject: RE: [EXTERNAL] Login Summary Details For Project Former Schlumberger STC PTC Site D3868221-Q2275.

Yazmeen,

It looks like SDG Q2275 was incorrectly logged in for 5-day rush TAT – note the chain requested a 2-day rush TAT. The team is looking for data today – is the lab going to be able to make that happen?

From: Data-EWR@alliancetg.com <Data-EWR@alliancetg.com>
Sent: Tuesday, June 10, 2025 11:12 AM
To: Ongjoco, Alec <Alec.Ongjoco@jacobs.com>; Dillon, Alexa <Alexa.Dillon@jacobs.com>; Lader, Chelsea <Chelsea.Lader@jacobs.com>; Holmes, Daniel <Daniel.Holmes@jacobs.com>; Reamer, David <David.Reamer@jacobs.com>; Ynfante, John <John.Ynfante@jacobs.com>; Murphy, Mary <Mary.Murphy@jacobs.com>; Warren, Melissa <Melissa.Warren@jacobs.com>; Asher, Sarah <Sarah.Asher@jacobs.com>
Cc: yazmeen.gomez@alliancetg.com
Subject: [EXTERNAL] Login Summary Details For Project Former Schlumberger STC PTC Site D3868221-Q2275.

To John Ynfante;

Please see the attached Login Summary for the following project, or download the file using your login credentials from the link below.

Order ID	: Q2275
Project ID	: Former Schlumberger STC PTC Site D3868221
Download File	: https://chemtech.net/secureLogin.aspx
Order Date	: 6/10/2025 11:03:00 AM
Alliance's Project Manager	: YAZMEEN GOMEZ , yazmeen.gomez@alliancetg.com , 908-728-3147
Alliance's Sales Executive	: Jordan Hedvat , jordan.hedvat@alliancetg.com , 908-728-3144

Thank you for the opportunity to provide you with our services. For any questions please feel free to
contact your project manager.

Click Here for our short online customer Survey http://chemtech.net/ClientSurvey.aspx .

Thank you,

Alliance Technical Group LLC.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2275 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : John Ynfante
Invoice Name : JACOBS Engineering Grou
Invoice Contact : John Ynfante

Order Date : 6/10/2025 11:03:00 AM
Project Name : Former Schlumberger STC
Receive DateTime : 6/10/2025 7:00:00 AM
Purchase Order :

Project Mgr : Yazmeen
Report Type : Level 3 4
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff : 6/10/2025 12:12:10 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
Q2275-01	OW-08B-72.5-060925	Water	06/08/2025	12:40						
					VOCMS Group3		8260-Low	3 Bus. Days	06/14/2025	
Q2275-02	OW-08B-72.5-060925-SIM	Water	06/08/2025	12:40						
					VOC-SIM		SFAM_VOCSIM	3 Bus. Days	06/18/2025	
Q2275-03	EB01-060925	Water	06/08/2025	15:00						
					VOCMS Group3		8260-Low	3 Bus. Days	06/14/2025	
Q2275-04	EB01-060925-SIM	Water	06/08/2025	15:00						
					VOC-SIM		SFAM_VOCSIM	3 Bus. Days	06/18/2025	
Q2275-05	TB01-060925	Water	06/08/2025	09:00						
					VOCMS Group3		8260-Low	3 Bus. Days	06/14/2025	

Relinguished By :
Date / Time : 6/10/25 1145

Received By :
Date / Time : 6.10.25 11:45

Storage Area : **VOA Refridgerator Room**