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

DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : CTO WE13

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : P4934

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

Table Of Contents for P4934

1) SEMI-VOLATILE DATA 2
2) Signature Page 4
3) Case Narrative 5
4) Qualifier Page 8
5) Conformance/Non Conformance 9
6) QA Checklist 12
7) Chronicle 13
8) Hit Summary 14
9) QC Data Summary For SVOC-SIMGroup1 15
9.1) Deuterated Monitoring Compound Summary 16
9.2) MS/MSD Summary 18
9.3) LCS/LCSD Summary 20
9.4) Method Blank Summary 21
9.5) GS/MS Tune Summary 22
9.6) Internal Standard Area and RT Summary 25
10) Sample Data 29
10.0.1) BPOW6-11-20241118 30
10.0.2) BPOW6-7-20241118 40
10.1) DUP01-20241118 51
10.1.1) BPOW6-10-20241119 62
10.1.2) BPOW6-9-20241119 72
10.2) FB01-20241119 82
10.2.1) BPOW6-8-20241119 92
10.3) RB01-20241119 103
10.4) DUP02-20241119 113
11) Calibration Data Summary 124
11.1) Initial Calibration Data 3
11.1.1) BN111324 125
11.1.2) BN112524 313
11.2) Continued Calibration Data 497
11.2.1) BN035219.D 497
11.2.2) BN035235.D 523
11.2.3) BN035291.D 549
12) QC Sample Data 575
12.1) Tune Raw Data 576

12.2) Method Blank Data 588
12.3) LCS Data 598
12.4) MS Data 622
12.5) MSD Data 646
13) Manual Integration 670
14) Analytical Runlogs 673
15) Extraction Logs 683
15.1) PB165150.pdf 683
15.2) PB165150IC.pdf 685
16) Standard Prep Logs 686
17) Shipping Document 772
17.1) Chain Of Custody 773
17.2) Lab Certificate 774
17.3) Internal COC 775
18) Not Reviewed Data 777

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

Cover Page

Order ID : P4934

Project ID : CTO WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
P4934-01	TB01-20241118
P4934-02	BPOW6-11-20241118
P4934-03	BPOW6-7-20241118
P4934-04	DUP01-20241118
P4934-05	BPOW6-10-20241119
P4934-06	P4934-05MS
P4934-07	P4934-05MSD
P4934-08	BPOW6-9-20241119
P4934-09	FB01-20241119
P4934-10	BPOW6-8-20241119
P4934-11	RB01-20241119
P4934-12	DUP02-20241119

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: 12/12/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: CTO WE13
Project Manager : Ernie Wu
Chemtech Project # P4934
Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:
12 Water samples were received on 11/20/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1 and VOCMS Group1. 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
BPOW6-11-20241118 [Nitrobenzene-d5 - 44%, Terphenyl-d14 - 155%],
BPOW6-7-20241118 [2-Fluorobiphenyl - 22%, Nitrobenzene-d5 - 52%, Terphenyl-d14 - 657%],
DUP01-20241118 [2-Fluorobiphenyl - 15%, Nitrobenzene-d5 - 45%, Terphenyl-d14 - 702%],
BPOW6-10-20241119 [Nitrobenzene-d5 - 48%, Terphenyl-d14 - 189%],
BPOW6-10-20241119MS [2-Fluorobiphenyl - 36%, Nitrobenzene-d5 - 50%, Terphenyl-d14 - 192%],
BPOW6-10-20241119MSD [Nitrobenzene-d5 - 51%, Terphenyl-d14 - 216%],
BPOW6-9-20241119 [2-Fluorobiphenyl - 18%, Nitrobenzene-d5 - 47%, Terphenyl-d14 - 668%],
FB01-20241119 [2-Fluorobiphenyl - 17%, Nitrobenzene-d5 - 53%, Terphenyl-d14 - 1178%],
BPOW6-8-20241119 [2-Fluorobiphenyl - 21%, Nitrobenzene-d5 - 48%, Terphenyl-d14 - 919%],
RB-01-20241119 [2-Fluorobiphenyl - 16%, Nitrobenzene-d5 - 49%, Terphenyl-d14 - 1048%],
DUP02-20241119 [2-Fluorobiphenyl - 16%, Nitrobenzene-d5 - 47%, Terphenyl-d14 - 1163%],

PB165150BL [2-Fluorobiphenyl - 183% and Nitrobenzene-d5 - 50%] failing surrogates were not associated with client parameter list, therefore no corrective action taken.

The Internal Standards Areas met the acceptable requirements except for FB-01-20241119, DUP-02-20241119 failing Internal Standards were not associated with client parameter list, therefore no corrective action taken.

The Retention Times were acceptable for all samples.

The MS {P4934-06MS} with File ID: BN035288.D recoveries met the requirements for all compounds except for 1,4-Dioxane[50%] due to matrix interference.

The MSD {P4934-07MSD} with File ID: BN035289.D recoveries met the acceptable requirements except for 1,4-Dioxane[54%] due to matrix interference.

The RPD met criteria .
The Blank Spike met requirements for all samples .

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

The % RSD is greater than 20% in the Initial Calibration (8270Sim-BN112524.M) for 2-Fluorobiphenyl and Terphenyl-d14 but not associated with client parameter list therefore this calibration is used for analysis.

The Continuous Calibration File ID BN035219.D met the requirements except for 2-Fluorobiphenyl,Fluoranthene-d10,Nitrobenzene-d5 and Terphenyl-d14 which are not our target compound, therefore no corrective action taken.

The Continuous Calibration File ID BN035235.D met the requirements except for 2-Fluorobiphenyl and Terphenyl-d14 which are not our target compound, therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:
This data package has been revised due to client ID changed for sample#01, 04, 09, 11, 12 as per client request.
The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The not QT review data is reported in the Miscellaneous.
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 <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount

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

for all compounds using Linear Regression when the %RSD value for a compound is > 15% 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_____

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

CHEMTECH PROJECT NUMBER: P4934 MATRIX: Water

METHOD: 8270-Modified/3510

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
	The % RSD is greater than 20% in the Initial Calibration (8270Sim-BN112524.M) for 2-Fluorobiphenyl and Terphenyl-d14 but not associated with client parameter list therefore this calibration is used for analysis.			
	The Continuous Calibration File ID BN035219.D met the requirements except for 2-Fluorobiphenyl,Fluoranthene-d10,Nitrobenzene-d5 and Terphenyl-d14 which are not our target compound, therefore no corrective action taken.			
	The Continuous Calibration File ID BN035235.D met the requirements except for 2-Fluorobiphenyl and Terphenyl-d14 which are not our target compound, therefore no corrective action taken.			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	

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

(CONTINUED)

		NA	NO	YES
7.	Surrogate Recoveries Meet Criteria		✓	

If not met, list those compounds and their recoveries which fall outside the acceptable ranges.

The Surrogate recoveries met the acceptable criteria except for
BPOW6-11-20241118 [Nitrobenzene-d5 - 44%, Terphenyl-d14 - 155%],
BPOW6-7-20241118 [2-Fluorobiphenyl - 22%, Nitrobenzene-d5 - 52%, Terphenyl-d14 - 657%],
DUP01-20241118 [2-Fluorobiphenyl - 15%, Nitrobenzene-d5 - 45%, Terphenyl-d14 - 702%],
BPOW6-10-20241119 [Nitrobenzene-d5 - 48%, Terphenyl-d14 - 189%],
BPOW6-10-20241119MS [2-Fluorobiphenyl - 36%, Nitrobenzene-d5 - 50%, Terphenyl-d14 - 192%],
BPOW6-10-20241119MSD [Nitrobenzene-d5 - 51%, Terphenyl-d14 - 216%],
BPOW6-9-20241119 [2-Fluorobiphenyl - 18%, Nitrobenzene-d5 - 47%, Terphenyl-d14 - 668%],
FB01-20241119 [2-Fluorobiphenyl - 17%, Nitrobenzene-d5 - 53%, Terphenyl-d14 - 1178%],
BPOW6-8-20241119 [2-Fluorobiphenyl - 21%, Nitrobenzene-d5 - 48%, Terphenyl-d14 - 919%],
RB-01-20241119 [2-Fluorobiphenyl - 16%, Nitrobenzene-d5 - 49%, Terphenyl-d14 - 1048%],
DUP02-20241119 [2-Fluorobiphenyl - 16%, Nitrobenzene-d5 - 47%, Terphenyl-d14 - 1163%],
PB165150BL [2-Fluorobiphenyl - 183% and Nitrobenzene-d5 - 50%] failing surrogates were not associated with client parameter list, therefore no corrective action taken.

8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	

If not met, list those compounds and their recoveries which fall outside the acceptable range.

The MSD {P4934-07MSD} with File ID: BN035289.D recoveries met the acceptable requirements except for 1,4-Dioxane[54%] due to matrix interference.
The Blank Spike met requirements for all samples .

9.	Internal Standard Area/Retention Time Shift Meet Criteria		✓	

Comments:
The Internal Standards Areas met the acceptable requirements except for FB-01-20241119, DUP-02-20241119 failing Internal Standards were not associated with client parameter list, therefore no corrective action taken.

10.	Extraction Holding Time Met			✓

If not met, list number of days exceeded for each sample:

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

		NA	NO	YES
11.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

This data package has been revised due to client ID changed for sample#01, 04, 09, 11, 12 as per client request.

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

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

The not QT review data is reported in the Miscellaneous.

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 <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

_____ _____

QA REVIEW Date

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4934

	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:** 12/12/2024

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

LAB CHRONICLE

OrderID:	P4934	**OrderDate:**	11/20/2024 11:23:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	L61,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4934-02	**BPOW6-11-20241118**	**Water**			**11/18/24**			**11/20/24**
			SVOC-SIMGroup1	8270-Modified		11/21/24	11/25/24	
P4934-03	**BPOW6-7-20241118**	**Water**			**11/18/24**			**11/20/24**
			SVOC-SIMGroup1	8270-Modified		11/21/24	11/21/24	
P4934-04	**DUP01-20241118**	**Water**			**11/18/24**			**11/20/24**
			SVOC-SIMGroup1	8270-Modified		11/21/24	11/21/24	
P4934-05	**BPOW6-10-20241119**	**Water**			**11/19/24**			**11/20/24**
			SVOC-SIMGroup1	8270-Modified		11/21/24	11/25/24	
P4934-08	**BPOW6-9-20241119**	**Water**			**11/19/24**			**11/20/24**
			SVOC-SIMGroup1	8270-Modified		11/21/24	11/21/24	
P4934-09	**FB01-20241119**	**Water**			**11/19/24**			**11/20/24**
			SVOC-SIMGroup1	8270-Modified		11/21/24	11/21/24	
P4934-10	**BPOW6-8-20241119**	**Water**			**11/19/24**			**11/20/24**
			SVOC-SIMGroup1	8270-Modified		11/21/24	11/21/24	
P4934-11	**RB01-20241119**	**Water**			**11/19/24**			**11/20/24**
			SVOC-SIMGroup1	8270-Modified		11/21/24	11/21/24	
P4934-12	**DUP02-20241119**	**Water**			**11/19/24**			**11/20/24**
			SVOC-SIMGroup1	8270-Modified		11/21/24	11/21/24	

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

Hit Summary Sheet
SW-846

SDG No.: P4934

Client: Tetra Tech NUS, Inc.

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

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: P4934

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
P4934-02	BPOW6-11-20241118	2-Methylnaphthalene-d10	0.4	0.36	89		30	150
		Fluoranthene-d10	0.4	0.44	109		30	150
		Nitrobenzene-d5	0.4	0.18	44	*	55	111
		2-Fluorobiphenyl	0.4	0.25	63		53	106
		Terphenyl-d14	0.4	0.62	155	*	58	132
P4934-03	BPOW6-7-20241118	2-Methylnaphthalene-d10	0.4	0.29	74		30	150
		Fluoranthene-d10	0.4	0.39	96		30	150
		Nitrobenzene-d5	0.4	0.21	52	*	55	111
		2-Fluorobiphenyl	0.4	0.086	22	*	53	106
		Terphenyl-d14	0.4	2.63	657	*	58	132
P4934-04	DUP01-20241118	2-Methylnaphthalene-d10	0.4	0.28	69		30	150
		Fluoranthene-d10	0.4	0.33	83		30	150
		Nitrobenzene-d5	0.4	0.18	45	*	55	111
		2-Fluorobiphenyl	0.4	0.061	15	*	53	106
		Terphenyl-d14	0.4	2.81	702	*	58	132
P4934-05	BPOW6-10-20241119	2-Methylnaphthalene-d10	0.4	0.41	101		30	150
		Fluoranthene-d10	0.4	0.41	101		30	150
		Nitrobenzene-d5	0.4	0.19	48	*	55	111
		2-Fluorobiphenyl	0.4	0.27	68		53	106
		Terphenyl-d14	0.4	0.76	189	*	58	132
P4934-06MS	BPOW6-10-20241119MS	2-Methylnaphthalene-d10	0.4	0.39	97		30	150
		Fluoranthene-d10	0.4	0.38	95		30	150
		Nitrobenzene-d5	0.4	0.20	50	*	55	111
		2-Fluorobiphenyl	0.4	0.15	36	*	53	106
		Terphenyl-d14	0.4	0.77	192	*	58	132
P4934-07MSD	BPOW6-10-20241119MSD	2-Methylnaphthalene-d10	0.4	0.41	101		30	150
		Fluoranthene-d10	0.4	0.43	106		30	150
		Nitrobenzene-d5	0.4	0.21	51	*	55	111
		2-Fluorobiphenyl	0.4	0.26	65		53	106
		Terphenyl-d14	0.4	0.87	216	*	58	132
P4934-08	BPOW6-9-20241119	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.33	83		30	150
		Nitrobenzene-d5	0.4	0.19	47	*	55	111
		2-Fluorobiphenyl	0.4	0.072	18	*	53	106
		Terphenyl-d14	0.4	2.67	668	*	58	132
P4934-09	FB01-20241119	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
		Fluoranthene-d10	0.4	0.40	100		30	150
		Nitrobenzene-d5	0.4	0.21	53	*	55	111
		2-Fluorobiphenyl	0.4	0.070	17	*	53	106
		Terphenyl-d14	0.4	4.71	1178	*	58	132
P4934-10	BPOW6-8-20241119	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.34	84		30	150
		Nitrobenzene-d5	0.4	0.19	48	*	55	111
		2-Fluorobiphenyl	0.4	0.083	21	*	53	106
		Terphenyl-d14	0.4	3.68	919	*	58	132
P4934-11	RB01-20241119	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
		Fluoranthene-d10	0.4	0.35	88		30	150
		Nitrobenzene-d5	0.4	0.20	49	*	55	111
		2-Fluorobiphenyl	0.4	0.063	16	*	53	106
		Terphenyl-d14	0.4	4.19	1048	*	58	132
P4934-12	DUP02-20241119	2-Methylnaphthalene-d10	0.4	0.27	68		30	150

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

Surrogate Summary

SW-846

SDG No.: P4934

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4934-12	DUP02-20241119	Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.19	47	*	55	111
		2-Fluorobiphenyl	0.4	0.063	16	*	53	106
		Terphenyl-d14	0.4	4.65	1163	*	58	132
PB165150BL	PB165150BL	2-Methylnaphthalene-d10	0.4	0.38	94		30	150
		Fluoranthene-d10	0.4	0.33	81		30	150
		Nitrobenzene-d5	0.4	0.20	50	*	55	111
		2-Fluorobiphenyl	0.4	0.73	183	*	53	106
		Terphenyl-d14	0.4	0.32	79		58	132
PB165150BS	PB165150BS	2-Methylnaphthalene-d10	0.4	0.48	121		30	150
		Fluoranthene-d10	0.4	0.35	87		30	150
		Nitrobenzene-d5	0.4	0.23	57		55	111
		2-Fluorobiphenyl	0.4	0.27	68		53	106
		Terphenyl-d14	0.4	0.46	115		58	132

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4934

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4934-06MS		**Client Sample ID:** BPOW6-10-20241119MS						**DataFile:** BN035288.D			
1,4-Dioxane	0.4	0	0.20	ug/L	50	*			70	130	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4934

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4934-07MSD		**Client Sample ID:** BPOW6-10-20241119MSD						**DataFile:** BN035289.D			
1,4-Dioxane	0.41	0	0.22	ug/L	54	*	8		70	130	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4934

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified **DataFile:** BN035290.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB165150BS	1,4-Dioxane	0.4	0.45	ug/L	113				70	130	

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165150BL

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934

Lab File ID: BN035285.D Lab Sample ID: PB165150BL

Instrument ID: BNA_N Date Extracted: 11/21/2024

Matrix: (soil/water) Water Date Analyzed: 11/25/2024

Level: (low/med) LOW Time Analyzed: 15:44

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BPOW6-11-20241118	P4934-02	BN035286.D	11/25/2024
BPOW6-10-20241119	P4934-05	BN035287.D	11/25/2024
BPOW6-10-20241119MS	P4934-06MS	BN035288.D	11/25/2024
BPOW6-10-20241119MSD	P4934-07MSD	BN035289.D	11/25/2024
PB165150BS	PB165150BS	BN035290.D	11/25/2024
BPOW6-7-20241118	P4934-03	BN035228.D	11/21/2024
DUP01-20241118	P4934-04	BN035229.D	11/21/2024
BPOW6-9-20241119	P4934-08	BN035230.D	11/21/2024
FB01-20241119	P4934-09	BN035231.D	11/21/2024
RB01-20241119	P4934-11	BN035232.D	11/21/2024
BPOW6-8-20241119	P4934-10	BN035233.D	11/21/2024
DUP02-20241119	P4934-12	BN035234.D	11/21/2024

COMMENTS:

Form IV SV

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: P4934 SDG NO.: P4934

Lab File ID: BN035061.D DFTPP Injection Date: 11/13/2024

Instrument ID: BNA_N DFTPP Injection Time: 12:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	19.6
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	29.1
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	35.9
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	9.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	11.2 (19) 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	BN035062.D	11/13/2024	12:40
SSTDICC0.2	SSTDICC0.2	BN035063.D	11/13/2024	13:16
SSTDICCC0.4	SSTDICCC0.4	BN035064.D	11/13/2024	13:52
SSTDICC0.8	SSTDICC0.8	BN035065.D	11/13/2024	14:28
SSTDICC1.6	SSTDICC1.6	BN035066.D	11/13/2024	15:04
SSTDICC3.2	SSTDICC3.2	BN035067.D	11/13/2024	15:39
SSTDICC5.0	SSTDICC5.0	BN035068.D	11/13/2024	16:15

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: P4934 SDG NO.: P4934

Lab File ID: BN035218.D DFTPP Injection Date: 11/21/2024

Instrument ID: BNA_N DFTPP Injection Time: 12:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.4
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	30.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	40
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	6.5
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	11.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	12.7 (18.5) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN035219.D	11/21/2024	13:22
BPOW6-7-20241118	P4934-03	BN035228.D	11/21/2024	18:48
DUP01-20241118	P4934-04	BN035229.D	11/21/2024	19:24
BPOW6-9-20241119	P4934-08	BN035230.D	11/21/2024	20:00
FB01-20241119	P4934-09	BN035231.D	11/21/2024	20:36
RB01-20241119	P4934-11	BN035232.D	11/21/2024	21:12
BPOW6-8-20241119	P4934-10	BN035233.D	11/21/2024	21:49
DUP02-20241119	P4934-12	BN035234.D	11/21/2024	22:25
SSTDCCC0.4EC	SSTDCCC0.4	BN035235.D	11/21/2024	23:01

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: P4934 SDG NO.: P4934

Lab File ID: BN035276.D DFTPP Injection Date: 11/25/2024

Instrument ID: BNA_N DFTPP Injection Time: 09:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.2
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	30.5
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	40.9
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	10.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	12.3 (18.9) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN035277.D	11/25/2024	10:16
SSTDICC0.2	SSTDICC0.2	BN035278.D	11/25/2024	10:52
SSTDICCC0.4	SSTDICCC0.4	BN035279.D	11/25/2024	11:28
SSTDICC0.8	SSTDICC0.8	BN035280.D	11/25/2024	12:04
SSTDICC1.6	SSTDICC1.6	BN035281.D	11/25/2024	12:40
SSTDICC3.2	SSTDICC3.2	BN035282.D	11/25/2024	13:16
SSTDICC5.0	SSTDICC5.0	BN035283.D	11/25/2024	13:52
PB165150BL	PB165150BL	BN035285.D	11/25/2024	15:44
BPOW6-11-20241118	P4934-02	BN035286.D	11/25/2024	16:20
BPOW6-10-20241119	P4934-05	BN035287.D	11/25/2024	16:56
BPOW6-10-20241119MS	P4934-06MS	BN035288.D	11/25/2024	17:32
BPOW6-10-20241119MSD	P4934-07MSD	BN035289.D	11/25/2024	18:08
PB165150BS	PB165150BS	BN035290.D	11/25/2024	18:44
SSTDCCC0.4EC	SSTDCCC0.4	BN035291.D	11/25/2024	19:20

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 11/21/2024

Lab File ID: BN035219.D Time Analyzed: 13:22

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	3553	7.329	8594	10.07	5839	13.99
	UPPER LIMIT	7106	7.829	17188	10.573	11678	14.487
	LOWER LIMIT	1776.5	6.829	4297	9.573	2919.5	13.487
	EPA SAMPLE NO.						
01	BPOW6-7-20241118	2646	7.32	6014	10.07	3783	13.99
02	DUP01-20241118	2749	7.32	6688	10.07	4330	13.98
03	BPOW6-9-20241119	2756	7.32	6458	10.07	4128	13.98
04	FB01-20241119	2669	7.32	6148	10.07	3898	13.98
05	BPOW6-8-20241119	2753	7.32	6705	10.07	4351	13.98
06	RB01-20241119	2945	7.32	7124	10.07	4659	13.98
07	DUP02-20241119	2771	7.32	6431	10.07	3947	13.98

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 11/21/2024

Lab File ID: BN035219.D Time Analyzed: 13:22

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	13132	16.746	2179		21.008	7936	23.104
	UPPER LIMIT	26264	17.246	4358		21.508	15872	23.604
	LOWER LIMIT	6566	16.246	1089.5		20.508	3968	22.604
	EPA SAMPLE NO.							
01	BPOW6-7-20241118	8215	16.75	1596		21.01	7371	23.10
02	DUP01-20241118	8619	16.75	1170		21.01	5974	23.10
03	BPOW6-9-20241119	8432	16.75	1400		21.01	6097	23.10
04	FB01-20241119	8027	16.75	1052	*	21.01	5733	23.10
05	BPOW6-8-20241119	9377	16.75	1394		21.01	5766	23.10
06	RB01-20241119	9464	16.75	1183		21.01	6123	23.10
07	DUP02-20241119	8351	16.75	946	*	21.01	7194	23.10

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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934

EPA Sample No.: SSTDICCC0.4 Date Analyzed: 11/25/2024

Lab File ID: BN035279.D Time Analyzed: 11:28

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	2200	7.315	5326	10.06	2947	13.98
	UPPER LIMIT	4400	7.815	10652	10.563	5894	14.476
	LOWER LIMIT	1100	6.815	2663	9.563	1473.5	13.476
	EPA SAMPLE NO.						
01	BPOW6-11-20241118	3259	7.32	7991	10.06	4583	13.98
02	BPOW6-10-20241119	3377	7.32	8188	10.06	4836	13.97
03	BPOW6-10-20241119MS	3628	7.32	8728	10.06	5209	13.97
04	BPOW6-10-20241119MSD	3339	7.32	8134	10.06	4891	13.97
05	PB165150BL	3592	7.32	7815	10.06	3951	13.98
06	PB165150BS	3630	7.32	8519	10.06	4791	13.97

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934

EPA Sample No.: SSTDICCC0.4 Date Analyzed: 11/25/2024

Lab File ID: BN035279.D Time Analyzed: 11:28

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	6895	16.734	586	21.008	4692	23.078
	UPPER LIMIT	13790	17.234	1172	21.508	9384	23.578
	LOWER LIMIT	3447.5	16.234	293	20.508	2346	22.578
	EPA SAMPLE NO.						
01	BPOW6-11-20241118	10715	16.73	870	21.01	5339	23.08
02	BPOW6-10-20241119	10344	16.73	824	21.01	5052	23.08
03	BPOW6-10-20241119MS	11399	16.73	743	21.01	5613	23.08
04	BPOW6-10-20241119MSD	10884	16.74	706	21.01	5495	23.08
05	PB165150BL	8151	16.73	804	21.01	4507	23.08
06	PB165150BS	9614	16.73	730	21.01	5488	23.08

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

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

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

SAMPLE DATA

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/18/24
Project:	CTO WE13	Date Received:	11/20/24
Client Sample ID:	BPOW6-11-20241118	SDG No.:	P4934
Lab Sample ID:	P4934-02	Matrix:	Water
Analytical Method:	SW8270SIM	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035286.D	1	11/21/24 08:27	11/25/24 16:20	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.21	U	0.070	0.21	0.21	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30 - 150		89%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.44		30 - 150		109%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.18	*	55 - 111		44%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.25		53 - 106		63%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.62	*	58 - 132		155%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3260	7.315				
1146-65-2	Naphthalene-d8	7990	10.063				
15067-26-2	Acenaphthene-d10	4580	13.976				
1517-22-2	Phenanthrene-d10	10700	16.734				
1719-03-5	Chrysene-d12	870	21.008				
1520-96-3	Perylene-d12	5340	23.078				

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\BN112524\
Data File : BN035286.D
Acq On : 25 Nov 2024 16:20
Operator : RC/JU
Sample : P4934-02
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BPOW6-11-20241118

Quant Time: Nov 25 18:02:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration

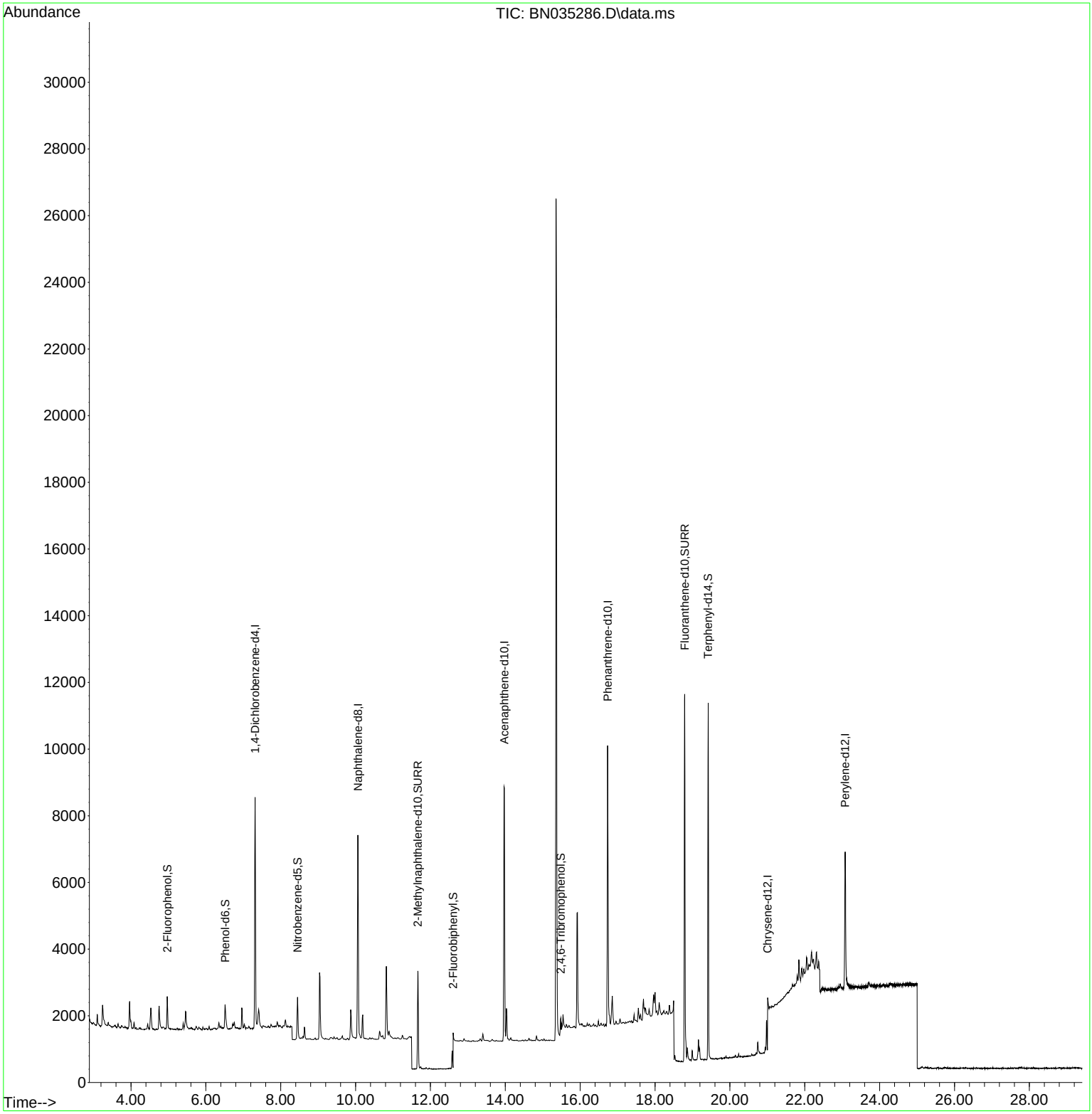
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	3259	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	7991	0.400	ng	# 0.00
13) Acenaphthene-d10	13.976	164	4583	0.400	ng	# 0.00
19) Phenanthrene-d10	16.734	188	10715	0.400	ng	0.00
29) Chrysene-d12	21.008	240	870	0.400	ng	0.00
35) Perylene-d12	23.078	264	5339	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	812	0.132	ng	0.00
5) Phenol-d6	6.520	99	658	0.077	ng	0.00
8) Nitrobenzene-d5	8.450	82	1149	0.177	ng	0.00
11) 2-Methylnaphthalene-d10	11.663	152	3968	0.355	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	527	0.225	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	634	0.250	ng	0.00
27) Fluoranthene-d10	18.792	212	12500	0.436	ng	0.00
31) Terphenyl-d14	19.419	244	9973	0.620	ng	0.00
Target Compounds						Qvalue

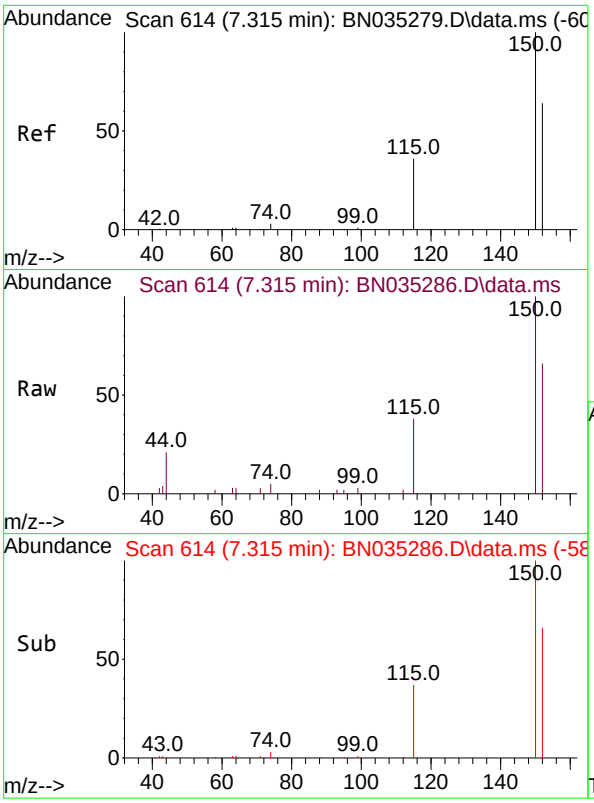
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035286.D
Acq On : 25 Nov 2024 16:20
Operator : RC/JU
Sample : P4934-02
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BPOW6-11-20241118

Quant Time: Nov 25 18:02:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration



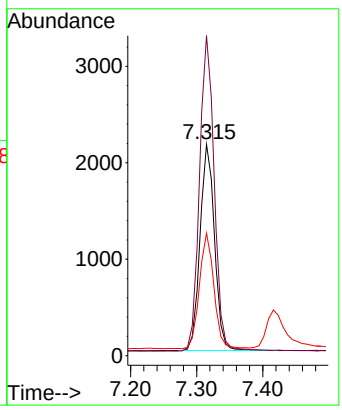


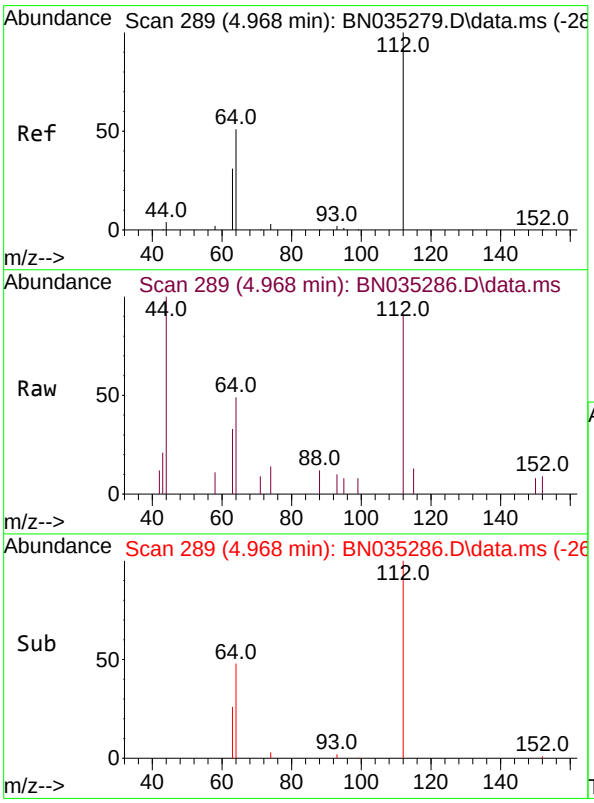
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035286.D
Acq: 25 Nov 2024 16:20

Instrument :
BNA_N
ClientSampleId :
BPOW6-11-20241118

Tgt Ion:152 Resp: 3259

Ion	Ratio	Lower	Upper
152	100		
150	151.4	124.5	186.7
115	58.0	47.8	71.8

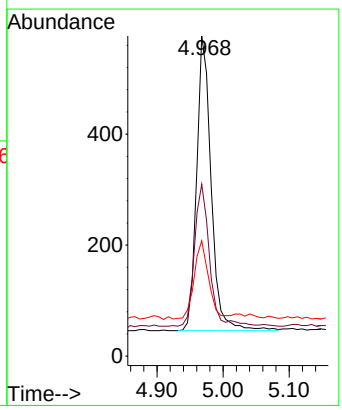


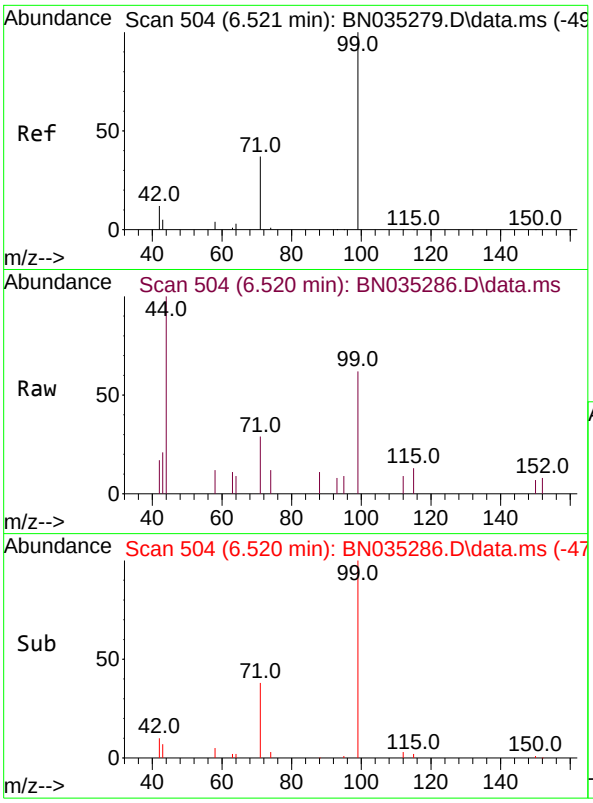


#4
2-Fluorophenol
Concen: 0.132 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035286.D
Acq: 25 Nov 2024 16:20

Tgt Ion:112 Resp: 812

Ion	Ratio	Lower	Upper
112	100		
64	49.8	40.4	60.6
63	26.6	23.8	35.8



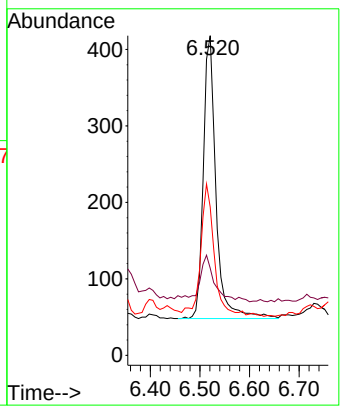


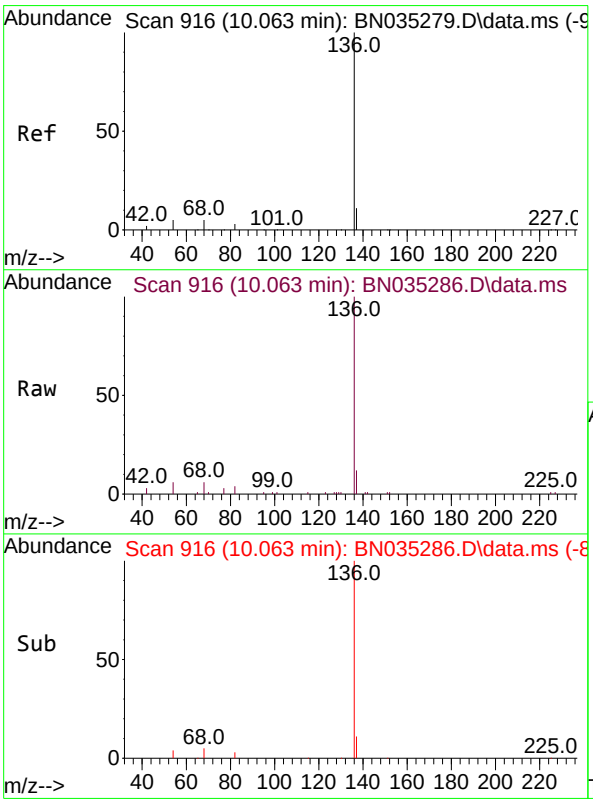
#5
Phenol-d6
Concen: 0.077 ng
RT: 6.520 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035286.D
Acq: 25 Nov 2024 16:20

Instrument :
BNA_N
ClientSampleId :
BPOW6-11-20241118

Tgt Ion: 99 Resp: 658

Ion	Ratio	Lower	Upper
99	100		
42	17.0	12.8	19.2
71	46.4	31.4	47.2

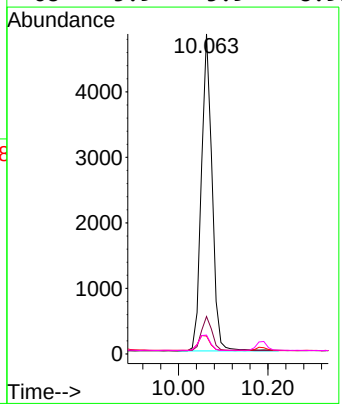


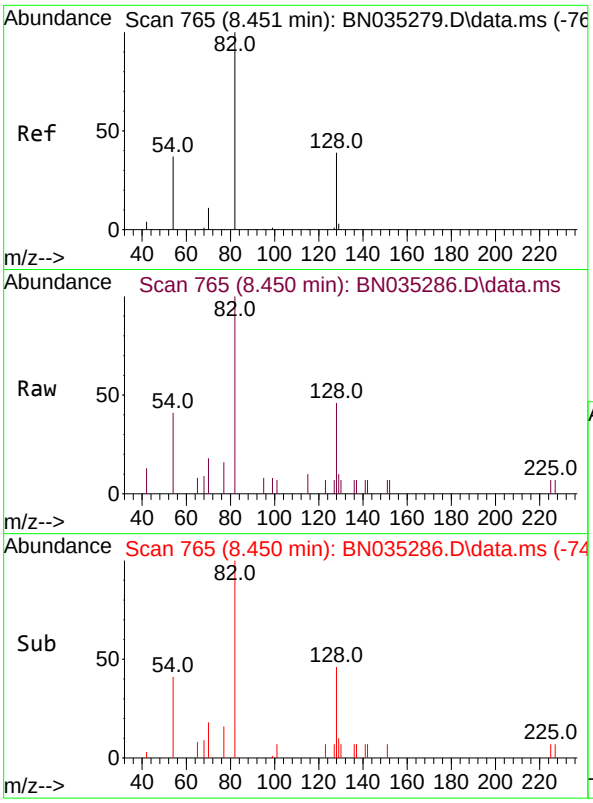


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035286.D
Acq: 25 Nov 2024 16:20

Tgt Ion:136 Resp: 7991

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.7	14.5
54	5.6	5.3	7.9
68	5.9	5.9	8.9#



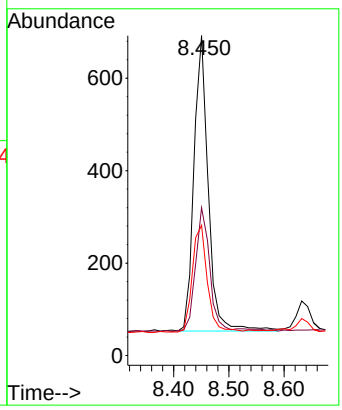


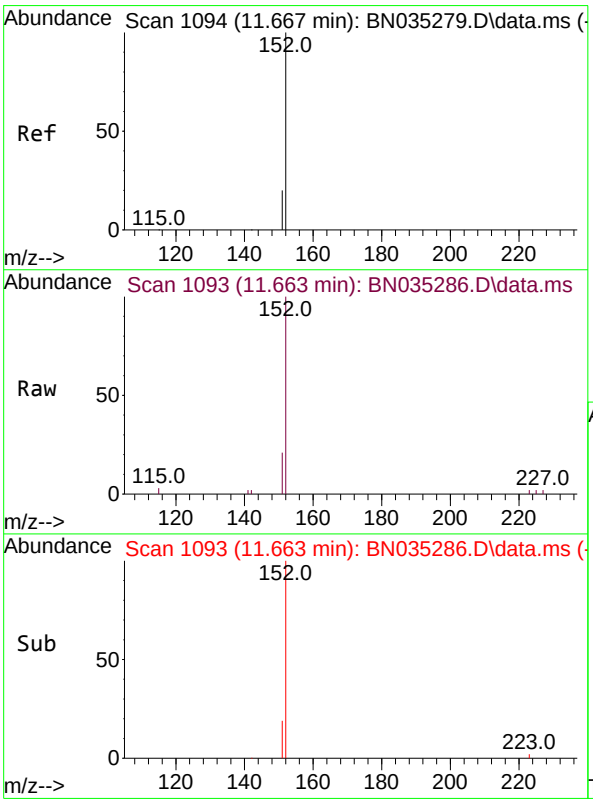
#8
Nitrobenzene-d5
Concen: 0.177 ng
RT: 8.450 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN035286.D
Acq: 25 Nov 2024 16:20

Instrument :
BNA_N
ClientSampleId :
BPOW6-11-20241118

Tgt Ion: 82 Resp: 1149

Ion	Ratio	Lower	Upper
82	100		
128	46.2	33.0	49.4
54	40.8	33.3	49.9

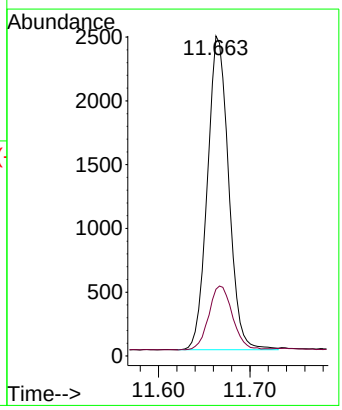


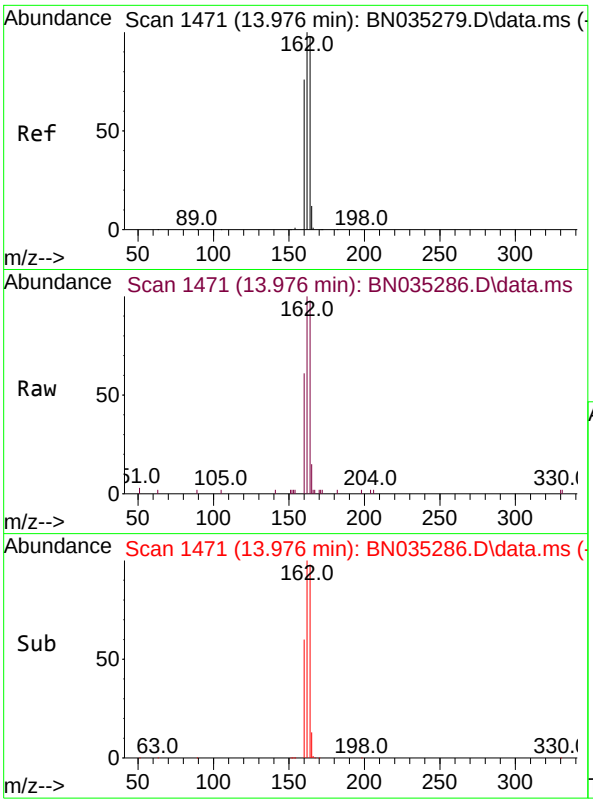


#11
2-Methylnaphthalene-d10
Concen: 0.355 ng
RT: 11.663 min Scan# 1093
Delta R.T. -0.004 min
Lab File: BN035286.D
Acq: 25 Nov 2024 16:20

Tgt Ion:152 Resp: 3968

Ion	Ratio	Lower	Upper
152	100		
151	22.8	17.2	25.8



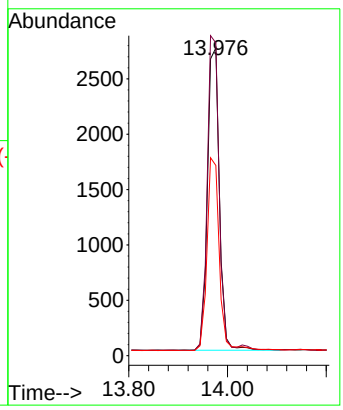


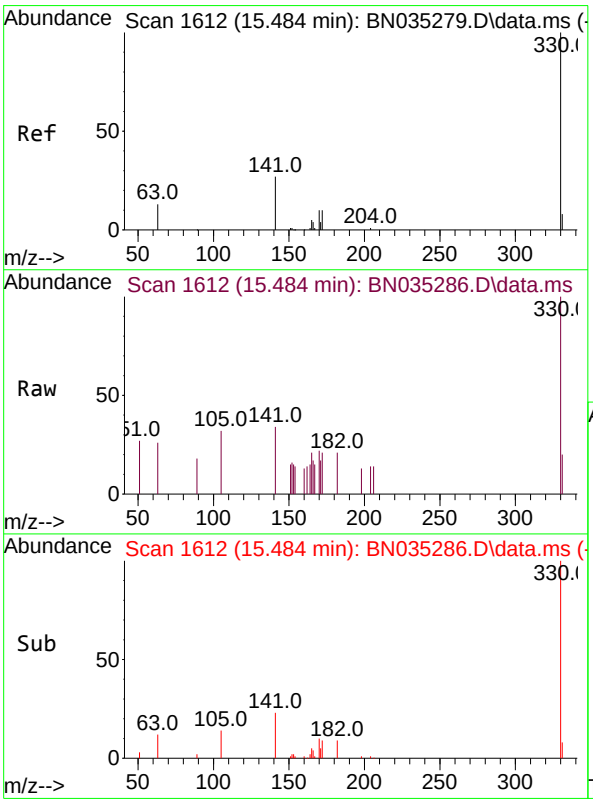
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035286.D
Acq: 25 Nov 2024 16:20

Instrument :
BNA_N
ClientSampleId :
BPOW6-11-20241118

Tgt Ion:164 Resp: 4583

Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.0	123.0
160	61.8	63.0	94.4#

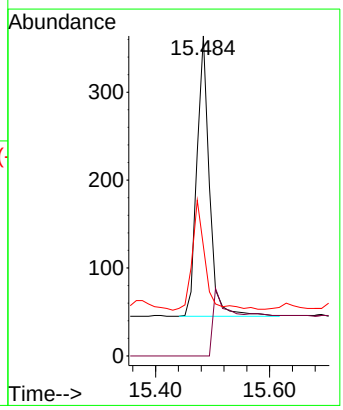


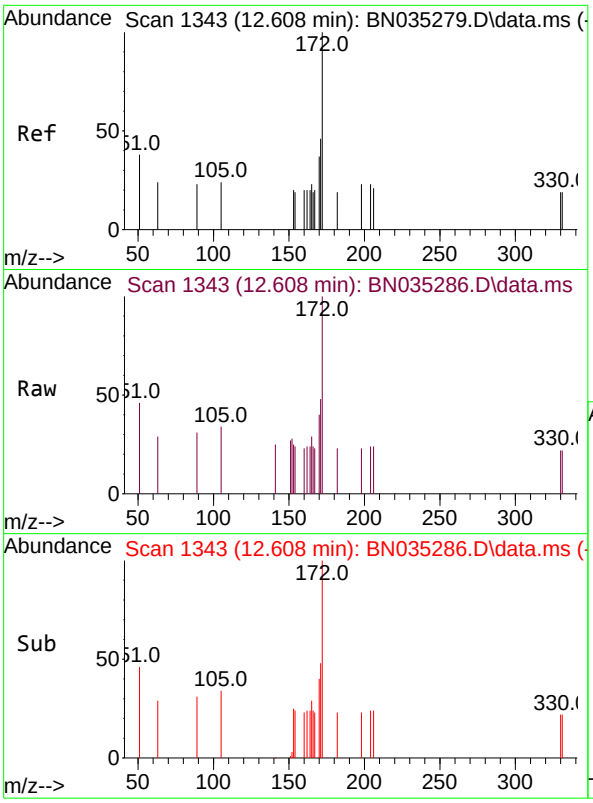


#14
2,4,6-Tribromophenol
Concen: 0.225 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035286.D
Acq: 25 Nov 2024 16:20

Tgt Ion:330 Resp: 527

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	39.7	32.4	48.6



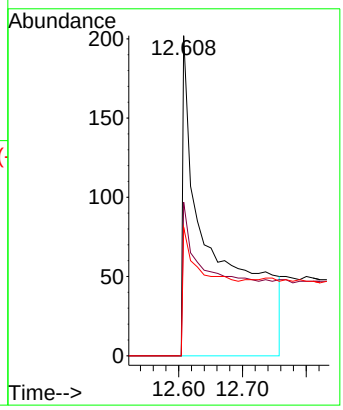


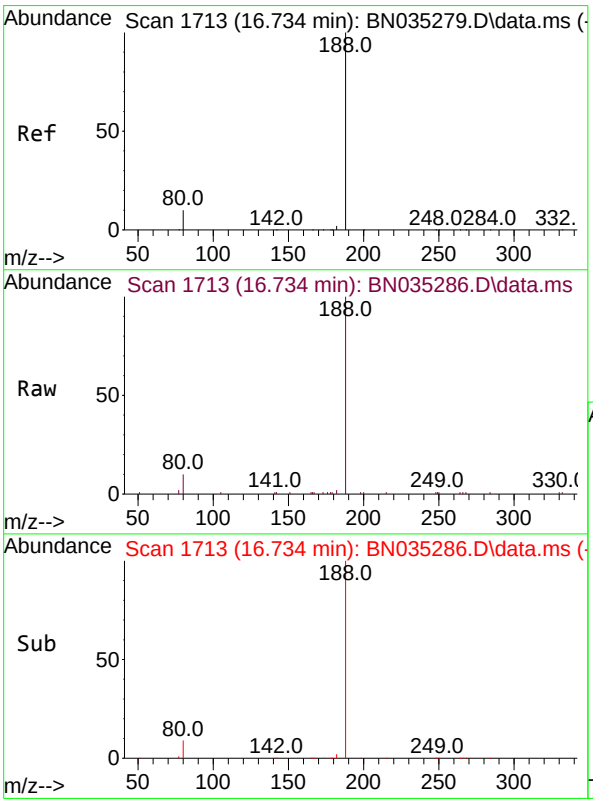
#15
2-Fluorobiphenyl
Concen: 0.250 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035286.D
Acq: 25 Nov 2024 16:20

Instrument :
BNA_N
ClientSampleId :
BPOW6-11-20241118

Tgt Ion:172 Resp: 634

Ion	Ratio	Lower	Upper
172	100		
171	48.0	36.6	55.0
170	40.1	29.7	44.5

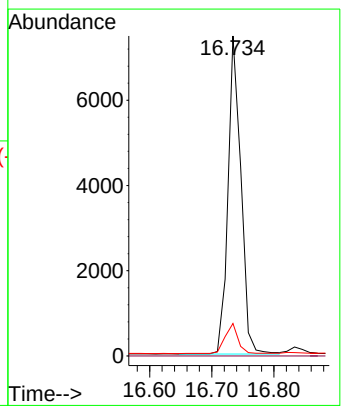


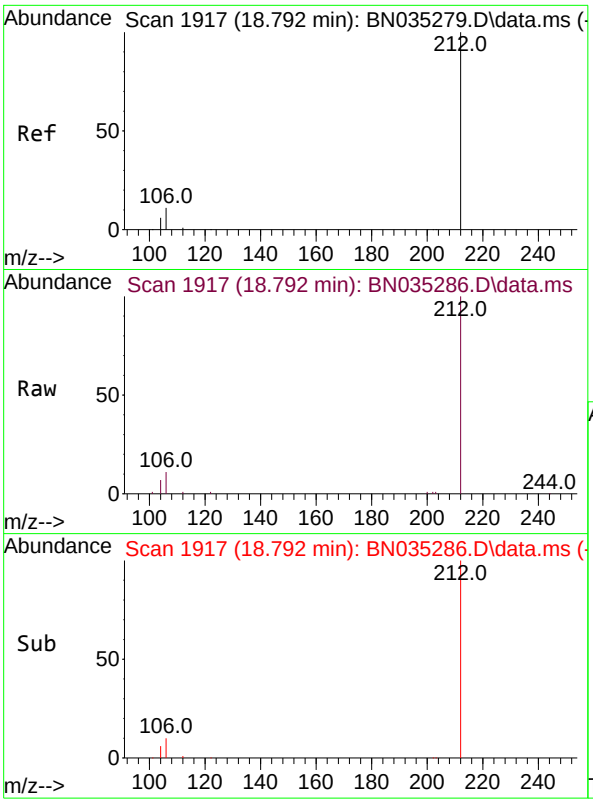


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BN035286.D
Acq: 25 Nov 2024 16:20

Tgt Ion:188 Resp: 10715

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.2	8.9	13.3



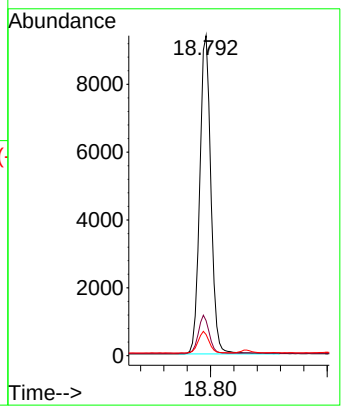


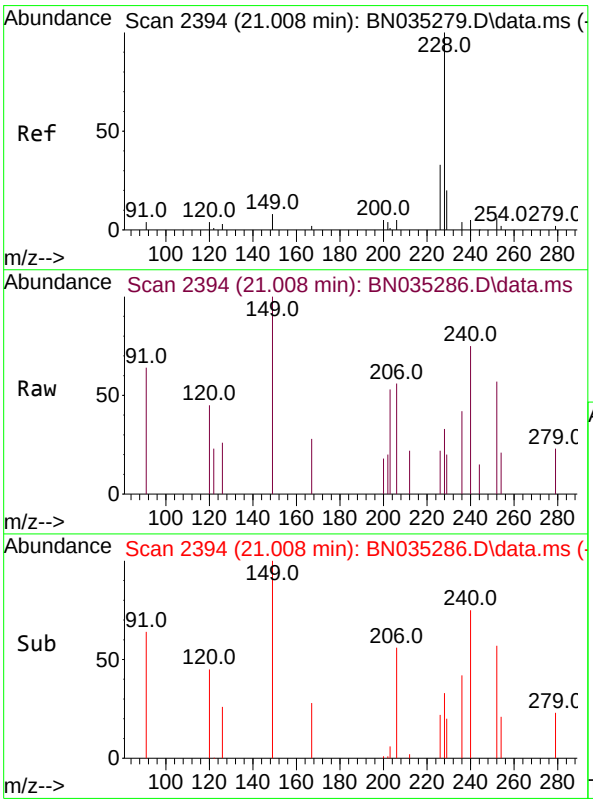
#27
Fluoranthene-d10
Concen: 0.436 ng
RT: 18.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035286.D
Acq: 25 Nov 2024 16:20

Instrument :
BNA_N
ClientSampleId :
BPOW6-11-20241118

Tgt Ion:212 Resp: 12500

Ion	Ratio	Lower	Upper
212	100		
106	11.6	9.8	14.8
104	6.7	5.6	8.4

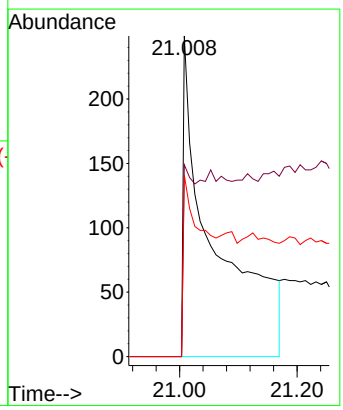


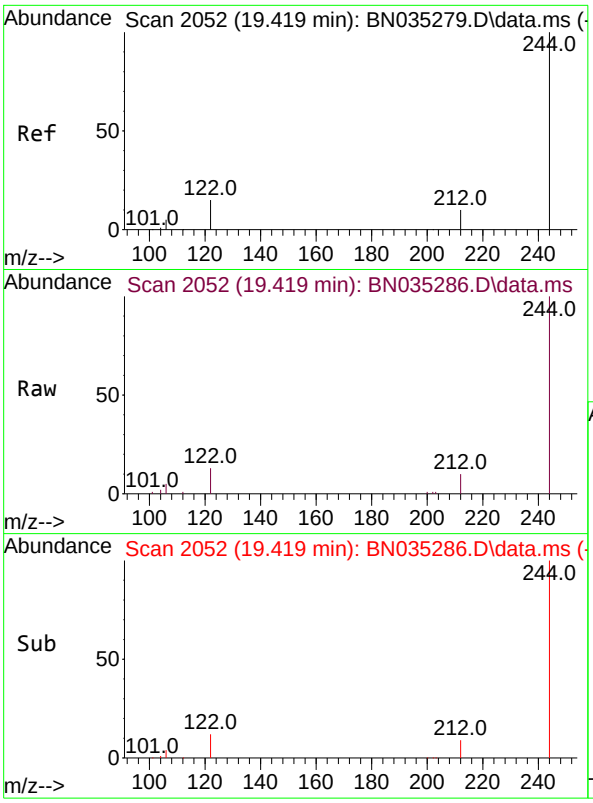


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN035286.D
Acq: 25 Nov 2024 16:20

Tgt Ion:240 Resp: 870

Ion	Ratio	Lower	Upper
240	100		
120	59.8	54.9	82.3
236	56.6	54.0	81.0



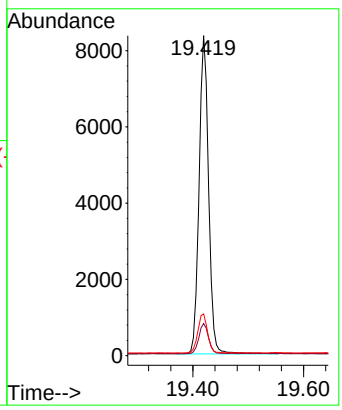


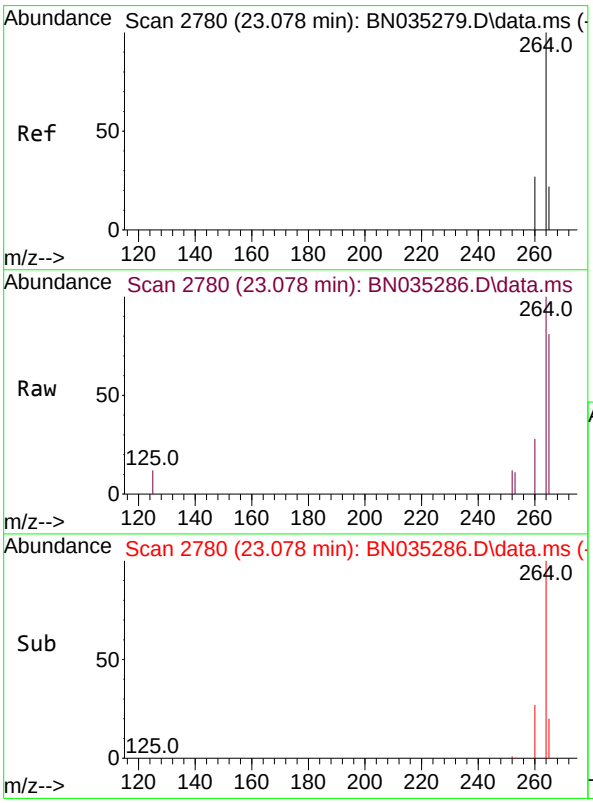
#31
Terphenyl-d14
Concen: 0.620 ng
RT: 19.419 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035286.D
Acq: 25 Nov 2024 16:20

Instrument :
BNA_N
ClientSampleId :
BPOW6-11-20241118

Tgt Ion:244 Resp: 9973

Ion	Ratio	Lower	Upper
244	100		
212	10.1	9.4	14.0
122	13.1	13.0	19.4

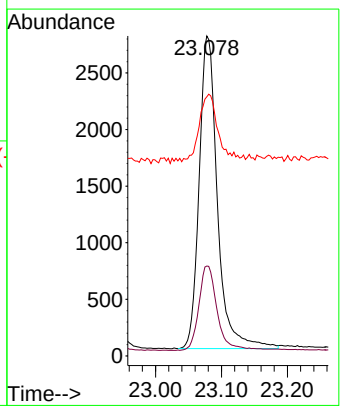




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.078 min Scan# 2780
Delta R.T. -0.000 min
Lab File: BN035286.D
Acq: 25 Nov 2024 16:20

Tgt Ion:264 Resp: 5339

Ion	Ratio	Lower	Upper
264	100		
260	28.1	22.3	33.5
265	81.0	68.6	103.0



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/18/24
Project:	CTO WE13	Date Received:	11/20/24
Client Sample ID:	BPOW6-7-20241118	SDG No.:	P4934
Lab Sample ID:	P4934-03	Matrix:	Water
Analytical Method:	SW8270SIM	% 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035228.D	1	11/21/24 08:27	11/21/24 18:48	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		74%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		96%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.21	*	55 - 111		52%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.086	*	53 - 106		22%	SPK: 0.4
1718-51-0	Terphenyl-d14	2.63	*	58 - 132		657%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2650	7.322				
1146-65-2	Naphthalene-d8	6010	10.073				
15067-26-2	Acenaphthene-d10	3780	13.987				
1517-22-2	Phenanthrene-d10	8220	16.746				
1719-03-5	Chrysene-d12	1600	21.008				
1520-96-3	Perylene-d12	7370	23.098				

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\BN112124\
Data File : BN035228.D
Acq On : 21 Nov 2024 18:48
Operator : RC/JU
Sample : P4934-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 23:05:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.322	152	2646	0.400	ng	0.00
7) Naphthalene-d8	10.073	136	6014	0.400	ng	# 0.00
13) Acenaphthene-d10	13.987	164	3783	0.400	ng	0.00
19) Phenanthrene-d10	16.746	188	8215	0.400	ng	# 0.00
29) Chrysene-d12	21.008	240	1596	0.400	ng	# 0.00
35) Perylene-d12	23.098	264	7371	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.982	112	1293	0.192	ng	0.00
5) Phenol-d6	6.528	99	953	0.113	ng	0.00
8) Nitrobenzene-d5	8.461	82	1094m	0.209	ng	0.00
11) 2-Methylnaphthalene-d10	11.678	152	3149	0.294	ng	0.00
14) 2,4,6-Tribromophenol	15.494	330	726	0.266	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	1325	0.086	ng	0.00
27) Fluoranthene-d10	18.801	212	9699	0.385	ng	0.00
31) Terphenyl-d14	19.433	244	8802	2.628	ng	0.00
Target Compounds						Qvalue
30) Pyrene	19.201	202	275	0.052	ng	97

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

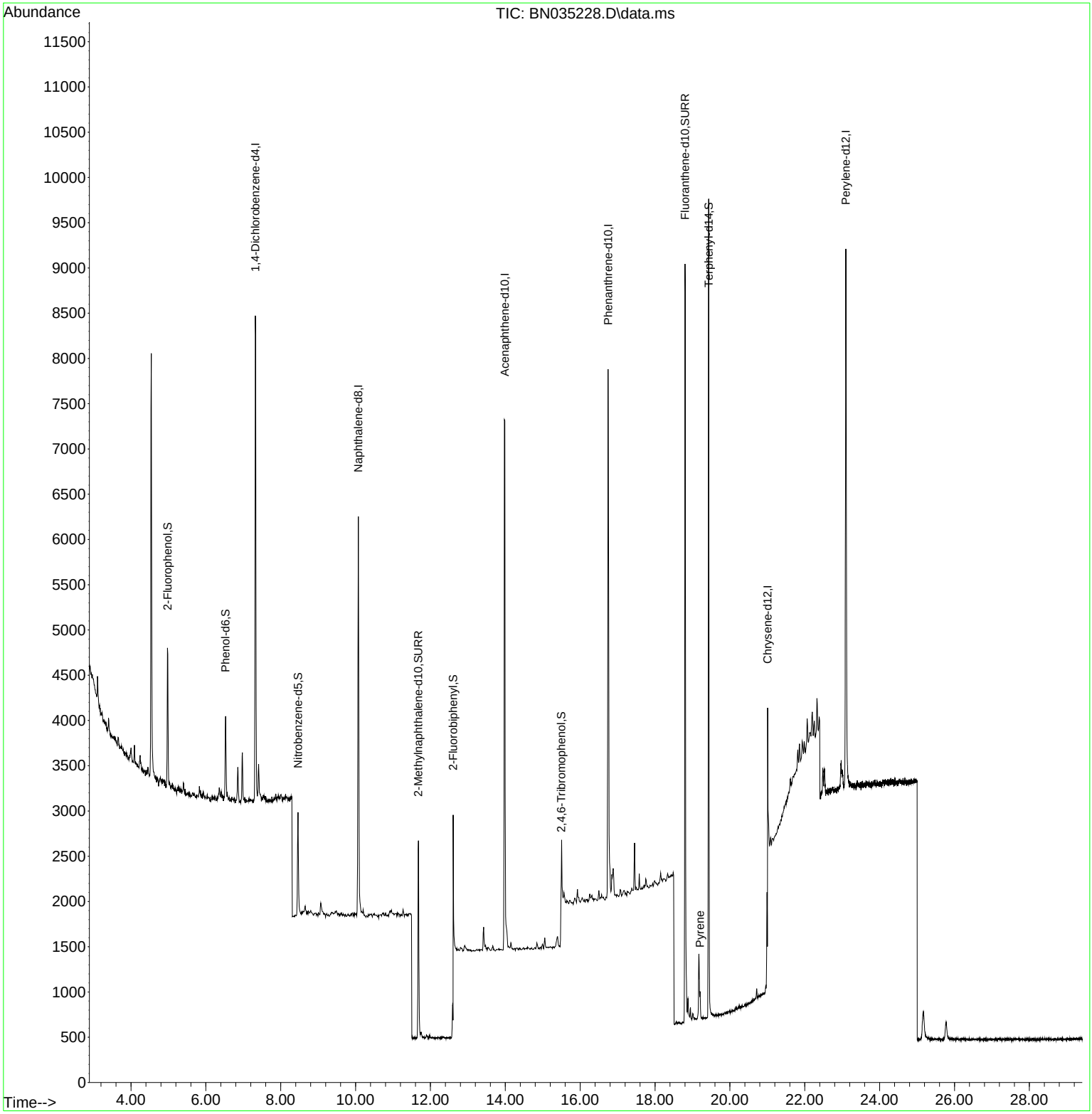
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035228.D
Acq On : 21 Nov 2024 18:48
Operator : RC/JU
Sample : P4934-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

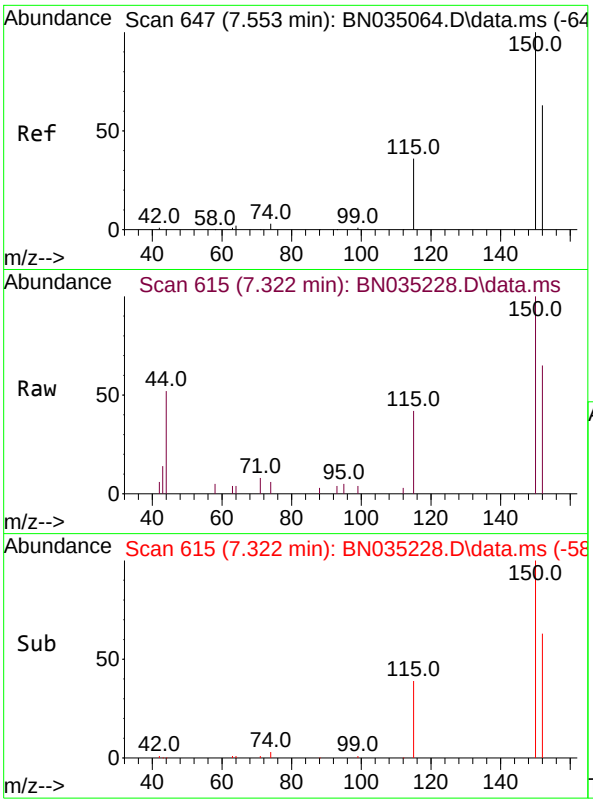
Quant Time: Nov 21 23:05:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

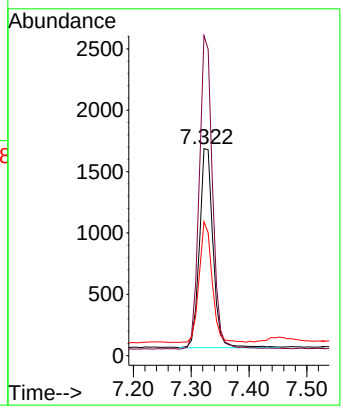




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.322 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:152 Resp: 264

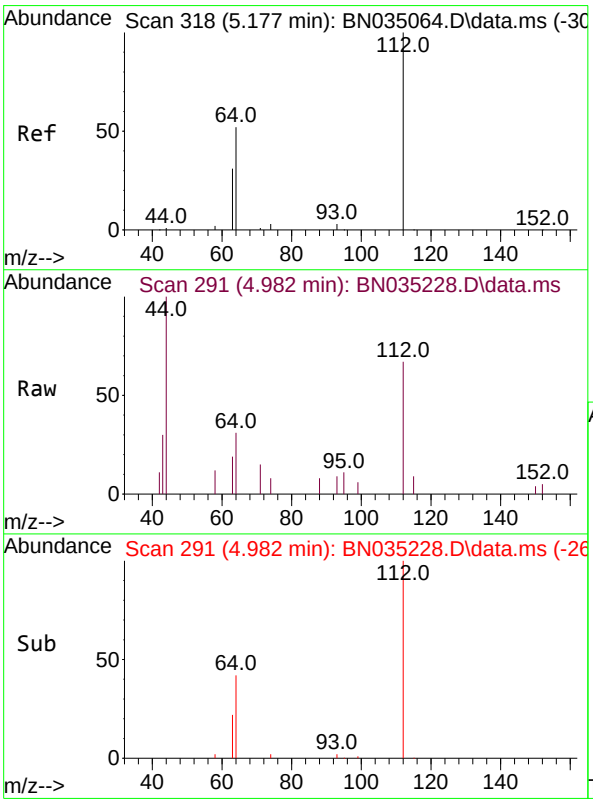
Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.5	186.7
115	64.7	47.8	71.6



Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Manual Integrations APPROVED

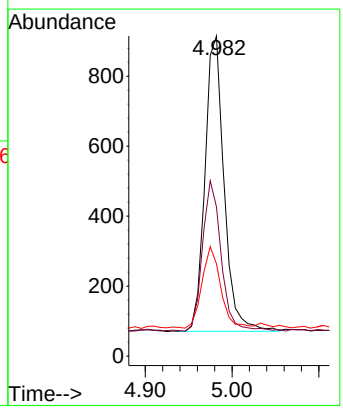
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

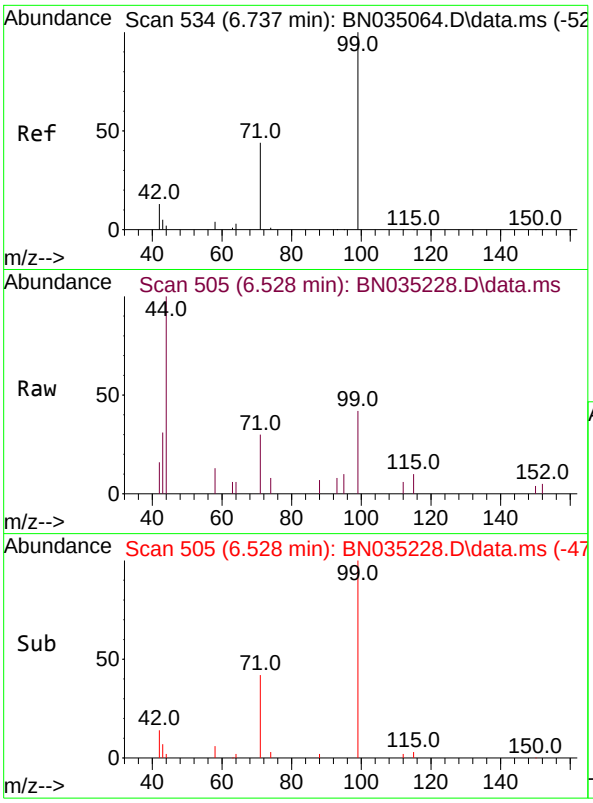


#4
2-Fluorophenol
Concen: 0.192 ng
RT: 4.982 min Scan# 291
Delta R.T. -0.000 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:112 Resp: 1293

Ion	Ratio	Lower	Upper
112	100		
64	49.4	39.7	59.5
63	27.3	23.0	34.4





#5
Phenol-d6
Concen: 0.113 ng
RT: 6.528 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

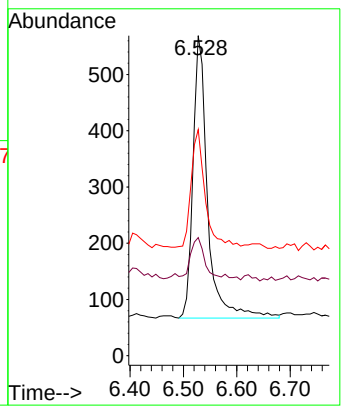
Tgt Ion: 99 Resp: 95

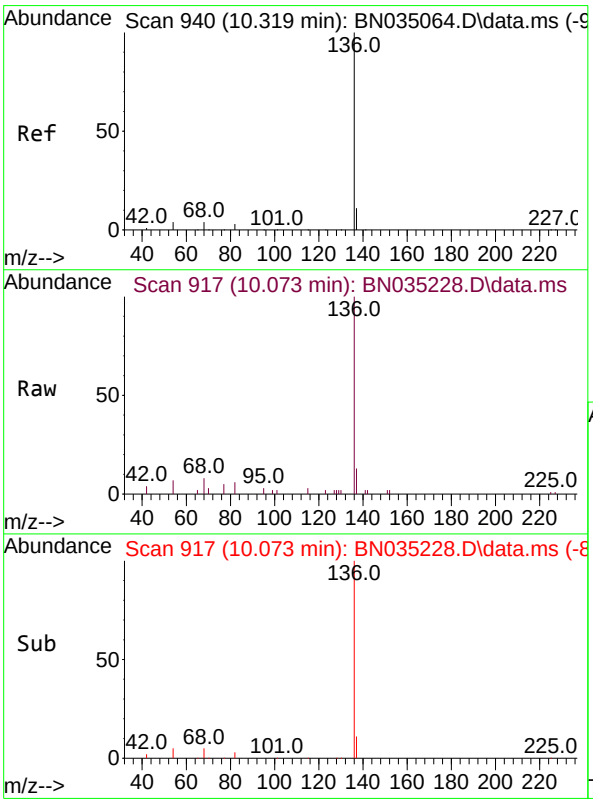
Ion	Ratio	Lower	Upper
99	100		
42	12.1	11.4	17.0
71	40.7	34.6	51.8

Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

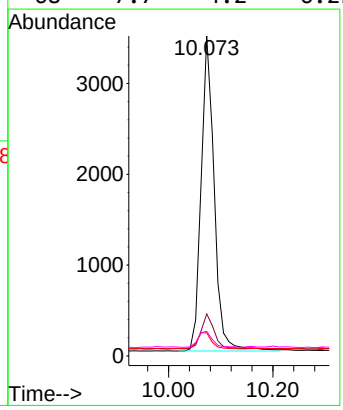


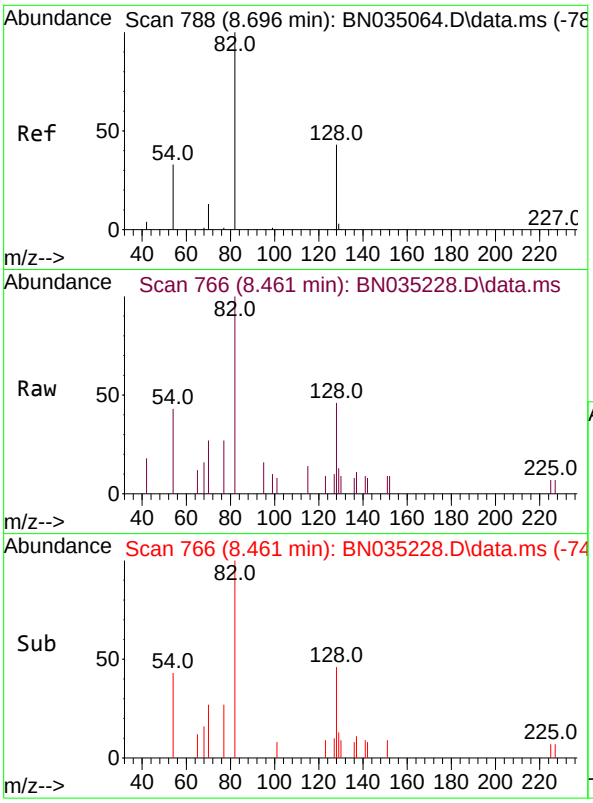


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.073 min Scan# 917
Delta R.T. -0.000 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:136 Resp: 6014

Ion	Ratio	Lower	Upper
136	100		
137	13.1	9.8	14.8
54	7.3	4.0	6.0#
68	7.7	4.2	6.2#

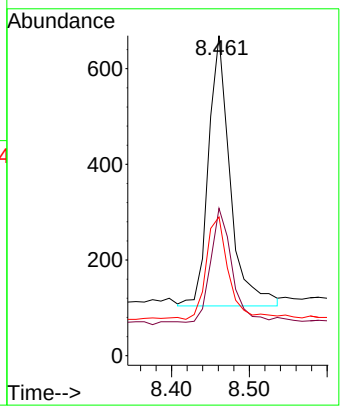




#8
Nitrobenzene-d5
Concen: 0.209 ng m
RT: 8.461 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion: 82 Resp: 109

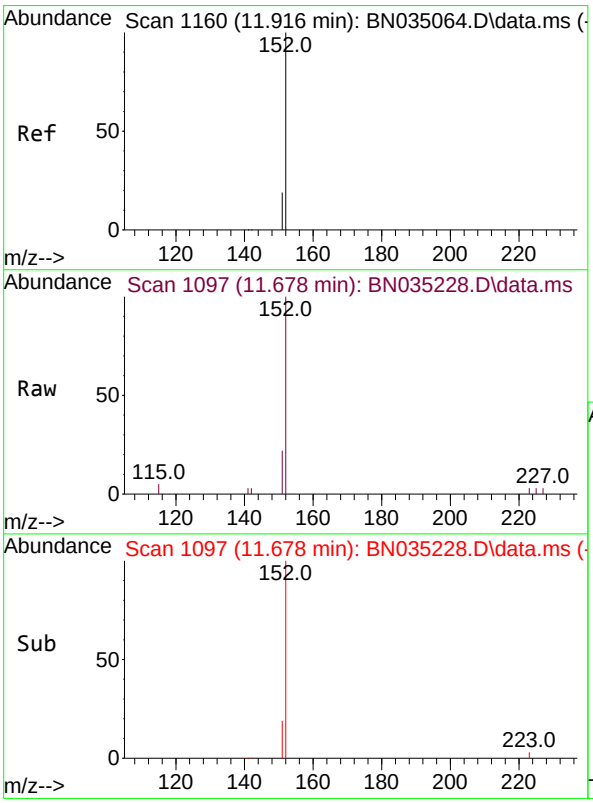
Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.5	54.7
54	43.3	28.7	43.1



Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Manual Integrations
APPROVED

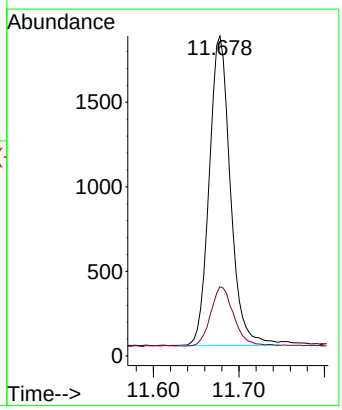
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

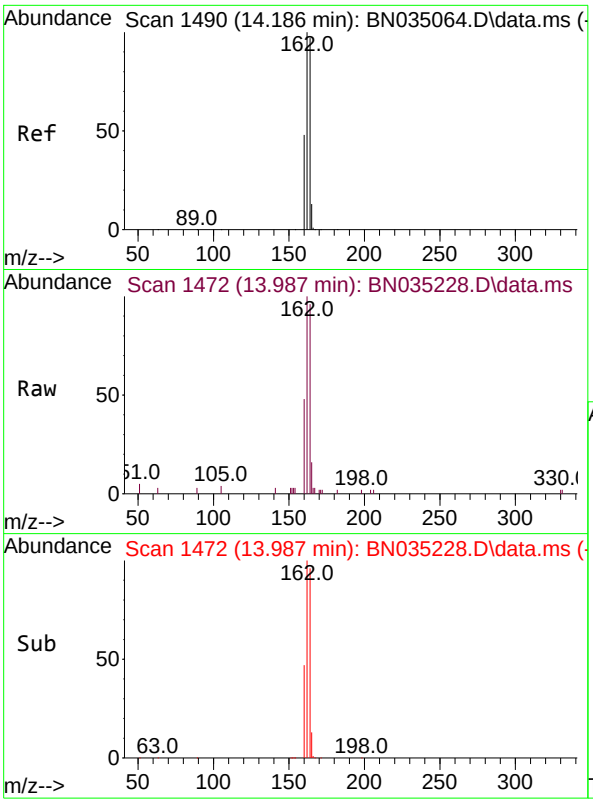


#11
2-Methylnaphthalene-d10
Concen: 0.294 ng
RT: 11.678 min Scan# 1097
Delta R.T. -0.000 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:152 Resp: 3149

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.2	24.4

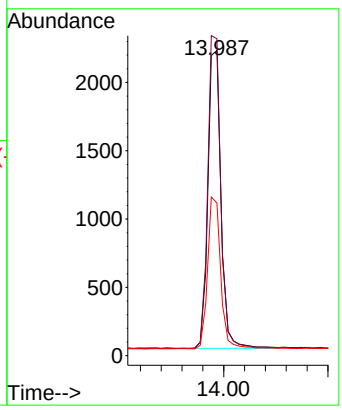




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.987 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:164 Resp: 378

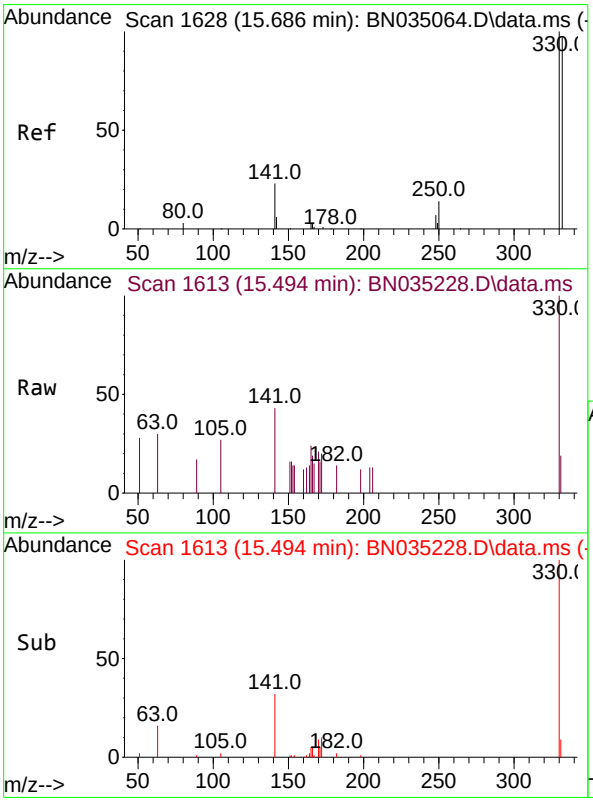
Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.2	123.2
160	50.0	40.2	60.4



Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Manual Integrations
APPROVED

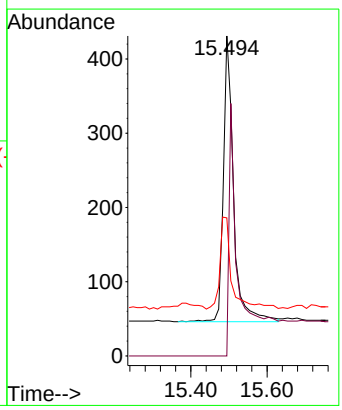
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

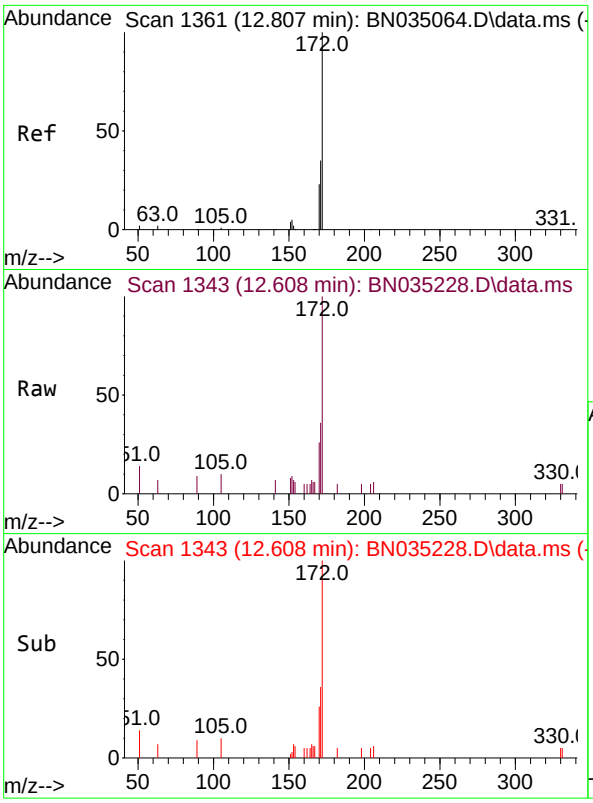


#14
2,4,6-Tribromophenol
Concen: 0.266 ng
RT: 15.494 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:330 Resp: 726

Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.9	115.3#
141	39.0	29.6	44.4

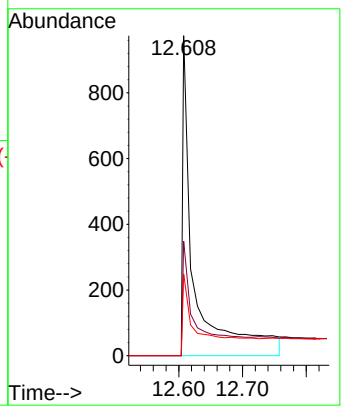




#15
2-Fluorobiphenyl
Concen: 0.086 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:172 Resp: 132

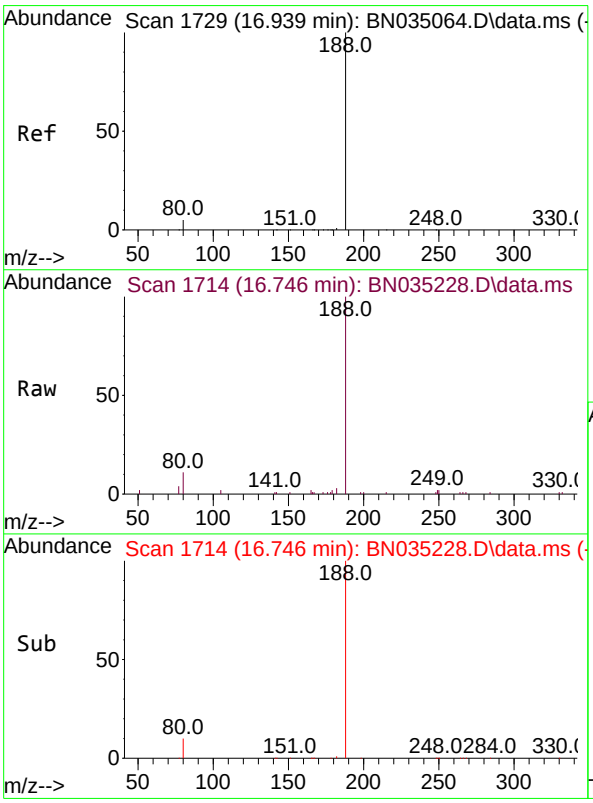
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.4
170	25.6	19.0	28.6



Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Manual Integrations
APPROVED

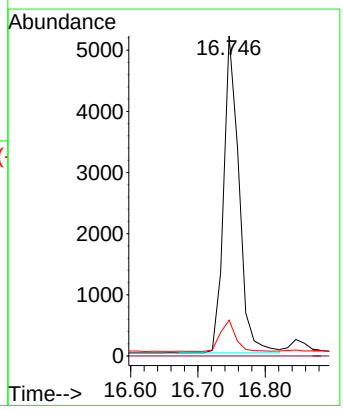
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

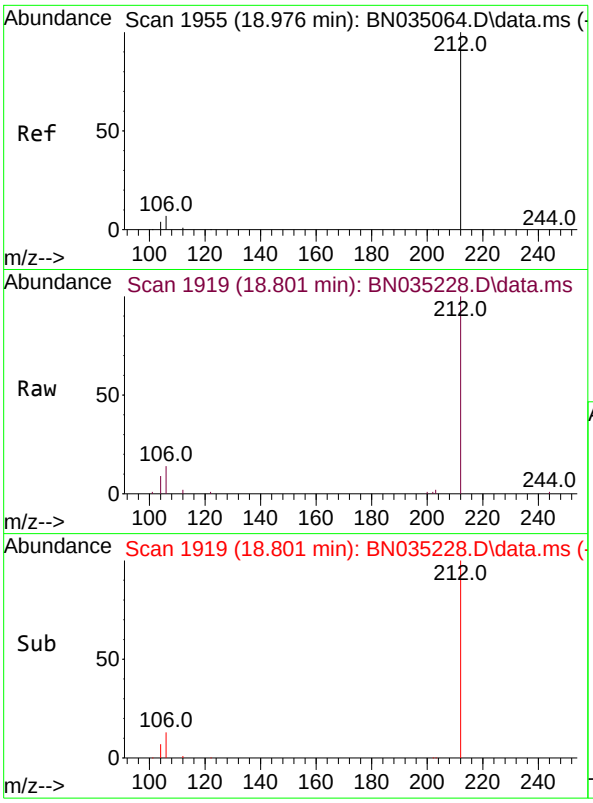


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.746 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:188 Resp: 8215

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.2	4.3	6.5#

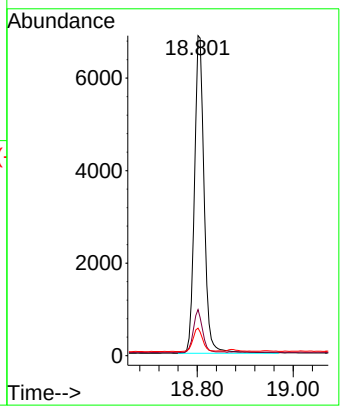




#27
Fluoranthene-d10
Concen: 0.385 ng
RT: 18.801 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:212 Resp: 969

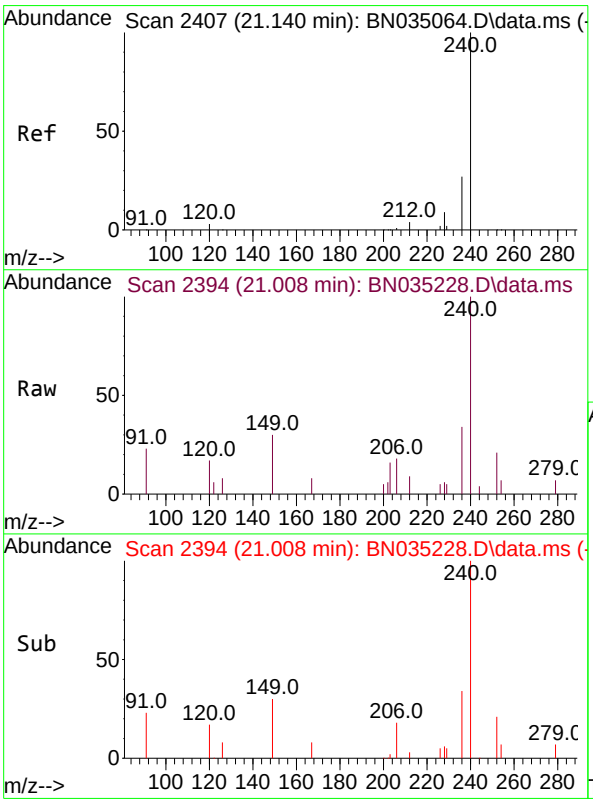
Ion	Ratio	Lower	Upper
212	100		
106	12.7	6.0	9.0#
104	7.2	3.5	5.3#



Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Manual Integrations
APPROVED

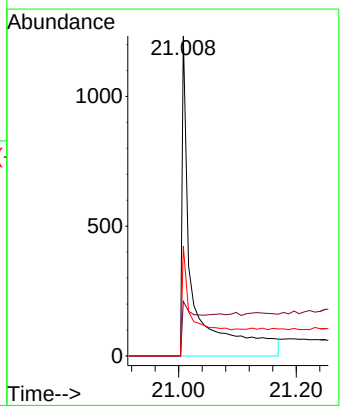
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

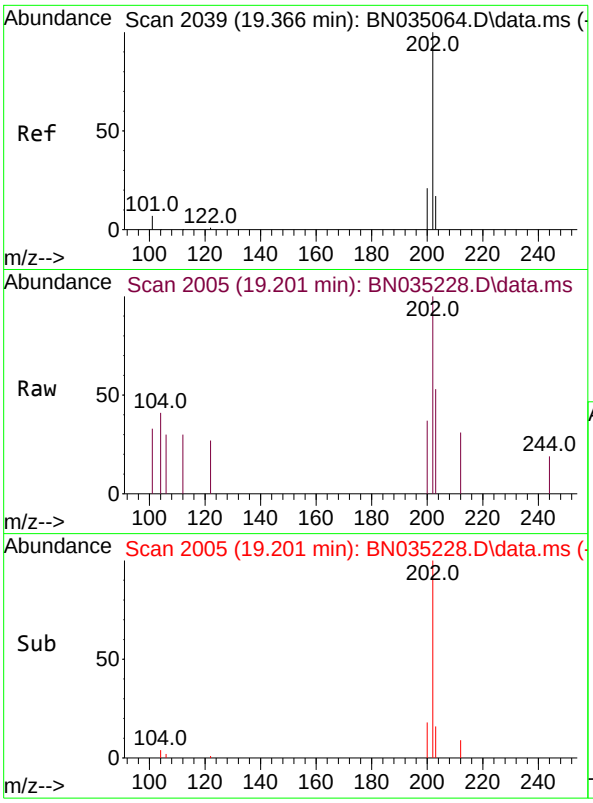


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:240 Resp: 1596

Ion	Ratio	Lower	Upper
240	100		
120	17.0	3.8	5.6#
236	34.3	22.2	33.2#

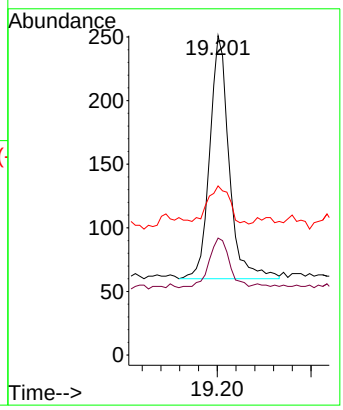




#30
Pyrene
Concen: 0.052 ng
RT: 19.201 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:202 Resp: 27

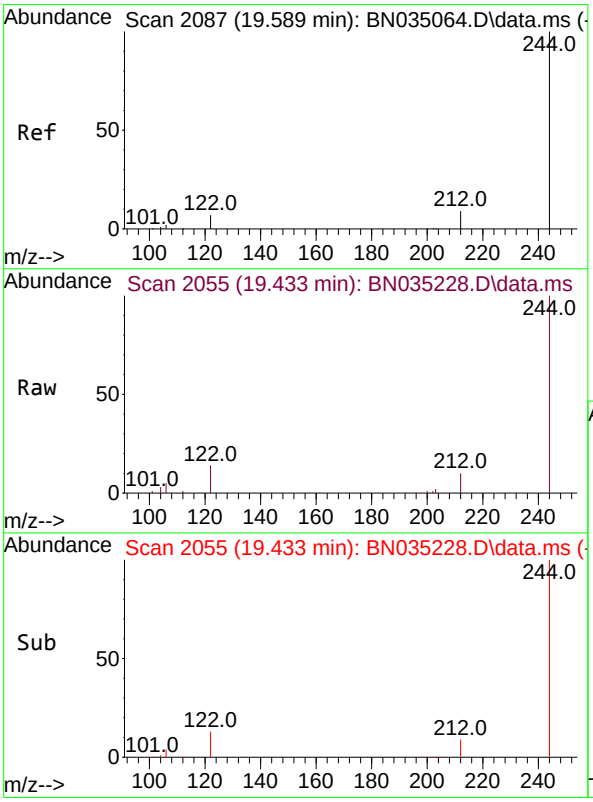
Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.7	25.1
203	19.6	14.2	21.4



Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Manual Integrations
APPROVED

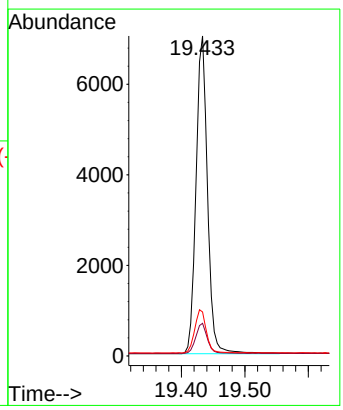
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

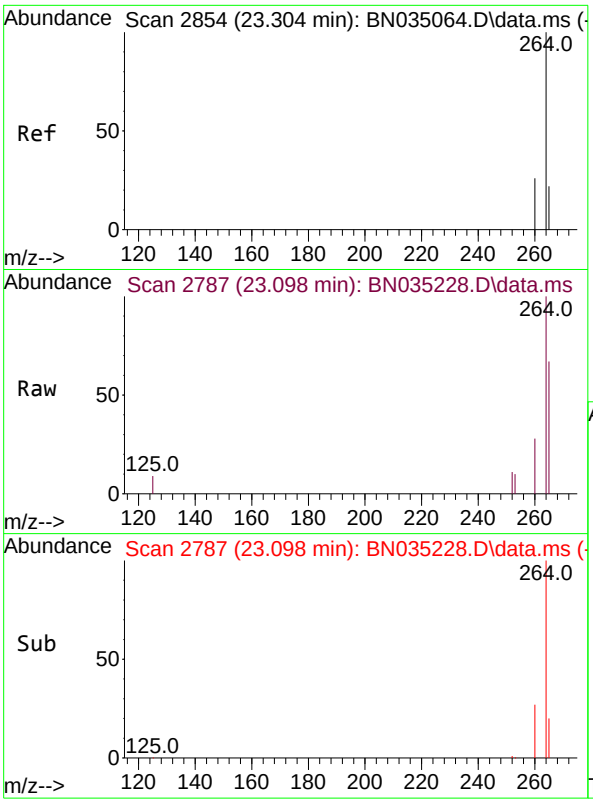


#31
Terphenyl-d14
Concen: 2.628 ng
RT: 19.433 min Scan# 2055
Delta R.T. -0.005 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:244 Resp: 8802

Ion	Ratio	Lower	Upper
244	100		
212	10.2	7.6	11.4
122	13.7	6.1	9.1#

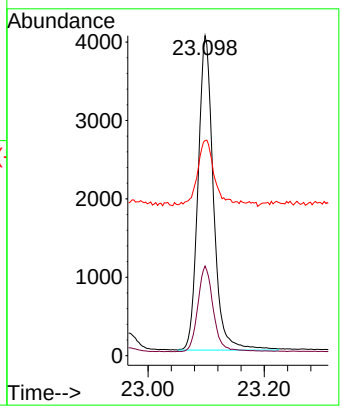




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:264 Resp: 737

Ion	Ratio	Lower	Upper
264	100		
260	28.0	20.9	31.3
265	67.3	35.4	53.2



Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/18/24
Project:	CTO WE13	Date Received:	11/20/24
Client Sample ID:	DUP01-20241118	SDG No.:	P4934
Lab Sample ID:	P4934-04	Matrix:	Water
Analytical Method:	SW8270SIM	% 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035229.D	1	11/21/24 08:27	11/21/24 19:24	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		69%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		83%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.18	*	55 - 111		45%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.061	*	53 - 106		15%	SPK: 0.4
1718-51-0	Terphenyl-d14	2.81	*	58 - 132		702%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2750	7.322				
1146-65-2	Naphthalene-d8	6690	10.073				
15067-26-2	Acenaphthene-d10	4330	13.976				
1517-22-2	Phenanthrene-d10	8620	16.746				
1719-03-5	Chrysene-d12	1170	21.008				
1520-96-3	Perylene-d12	5970	23.095				

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\BN112124\
Data File : BN035229.D
Acq On : 21 Nov 2024 19:24
Operator : RC/JU
Sample : P4934-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 21 23:05:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.322	152	2749	0.400	ng	0.00
7) Naphthalene-d8	10.073	136	6688	0.400	ng	# 0.00
13) Acenaphthene-d10	13.976	164	4330	0.400	ng	-0.01
19) Phenanthrene-d10	16.746	188	8619	0.400	ng	# 0.00
29) Chrysene-d12	21.008	240	1170	0.400	ng	# 0.00
35) Perylene-d12	23.095	264	5974	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.982	112	1267	0.182	ng	0.00
5) Phenol-d6	6.528	99	948	0.108	ng	0.00
8) Nitrobenzene-d5	8.461	82	1062m	0.182	ng	0.00
11) 2-Methylnaphthalene-d10	11.674	152	3299	0.277	ng	0.00
14) 2,4,6-Tribromophenol	15.494	330	730	0.234	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	1072	0.061	ng	0.00
27) Fluoranthene-d10	18.802	212	8814	0.334	ng	0.00
31) Terphenyl-d14	19.429	244	6893	2.808	ng	0.00
Target Compounds						Qvalue
30) Pyrene	19.201	202	326	0.084	ng	# 95

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

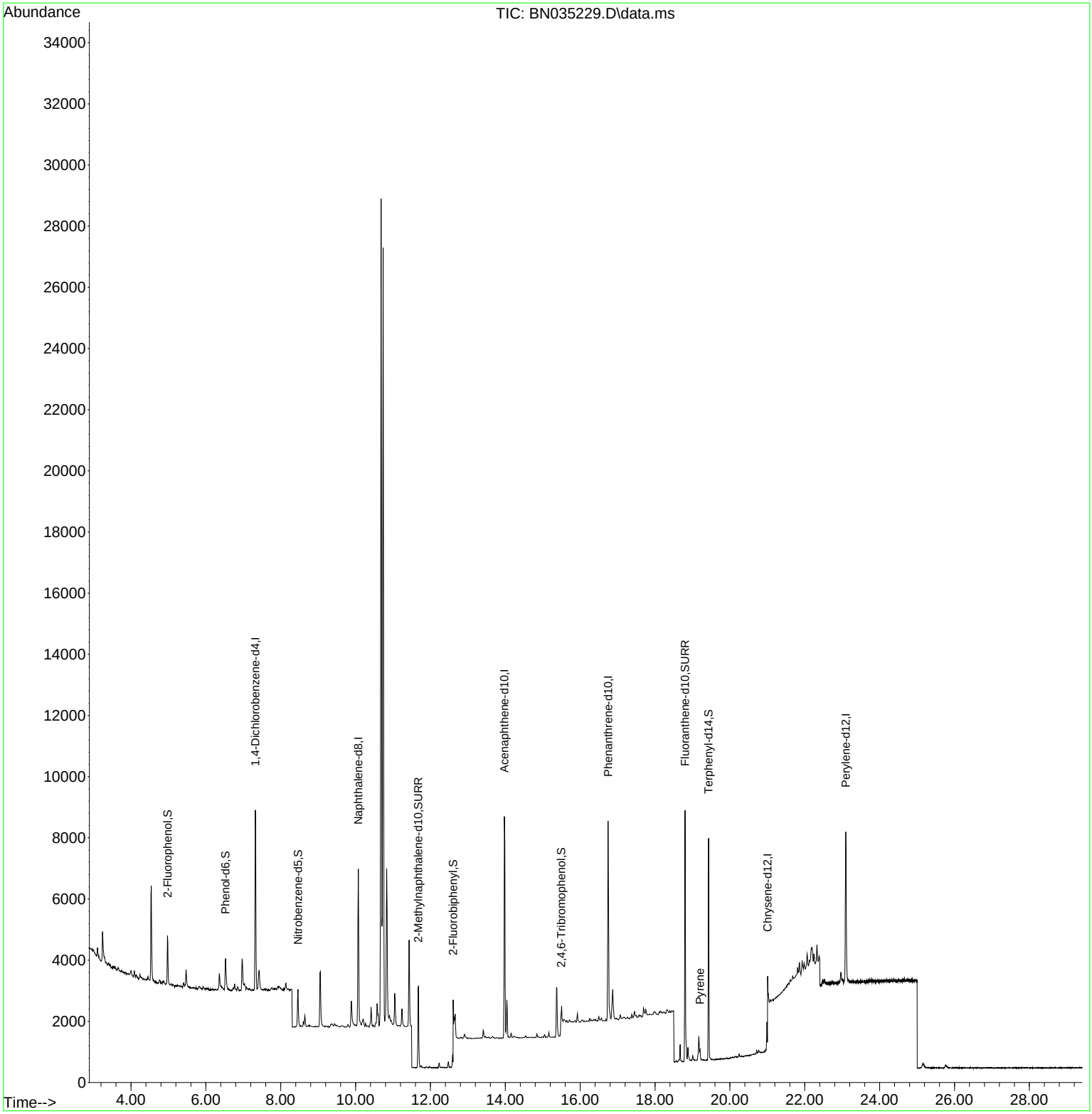
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035229.D
Acq On : 21 Nov 2024 19:24
Operator : RC/JU
Sample : P4934-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

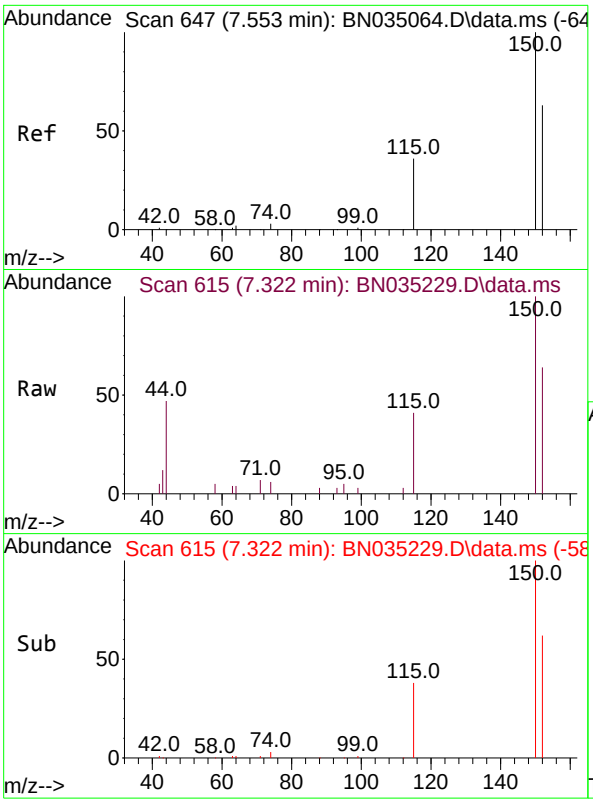
Quant Time: Nov 21 23:05:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

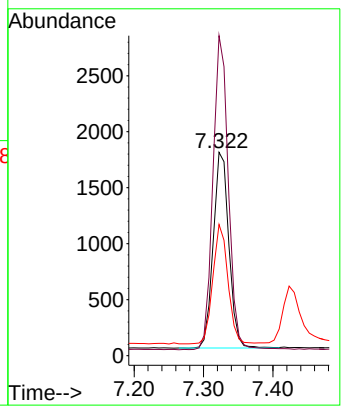




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.322 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion:152 Resp: 274

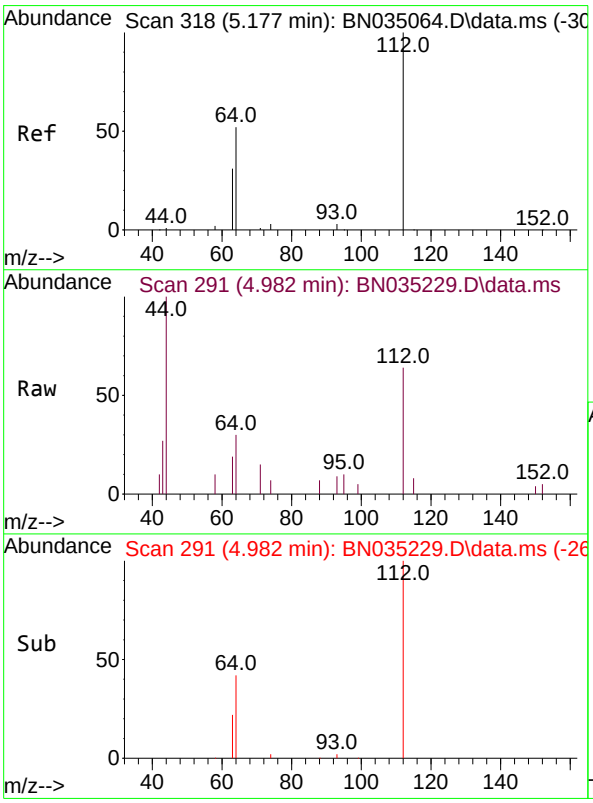
Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.5	186.7
115	64.5	47.8	71.6



Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Manual Integrations APPROVED

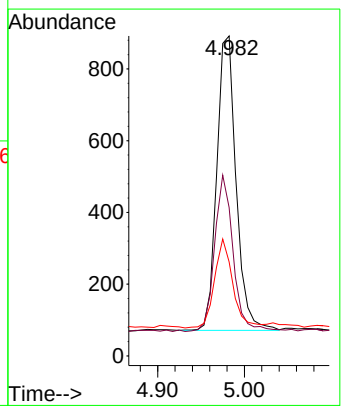
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

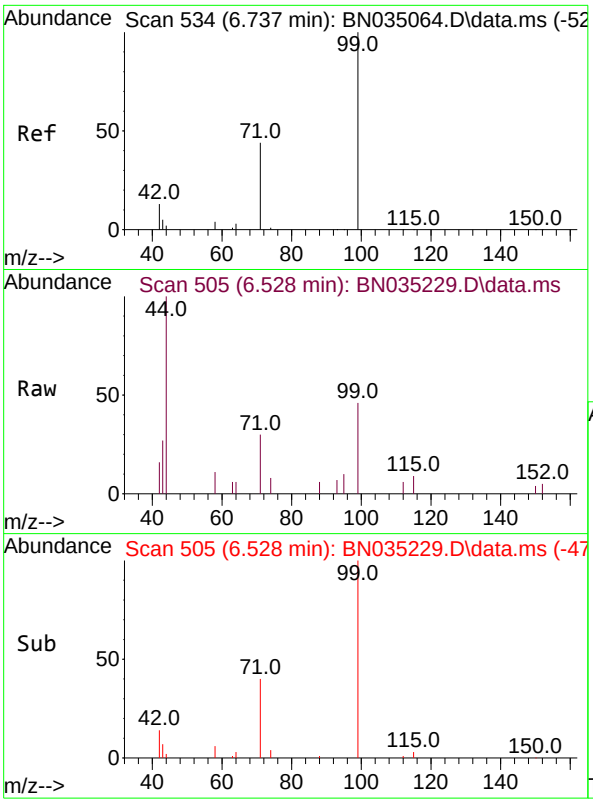


#4
2-Fluorophenol
Concen: 0.182 ng
RT: 4.982 min Scan# 291
Delta R.T. 0.000 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion:112 Resp: 1267

Ion	Ratio	Lower	Upper
112	100		
64	51.4	39.7	59.5
63	28.6	23.0	34.4

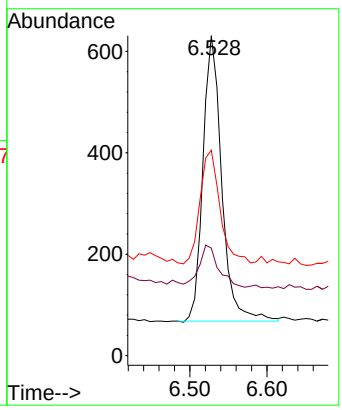




#5
Phenol-d6
Concen: 0.108 ng
RT: 6.528 min Scan# 5(
Delta R.T. 0.000 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion: 99 Resp: 94

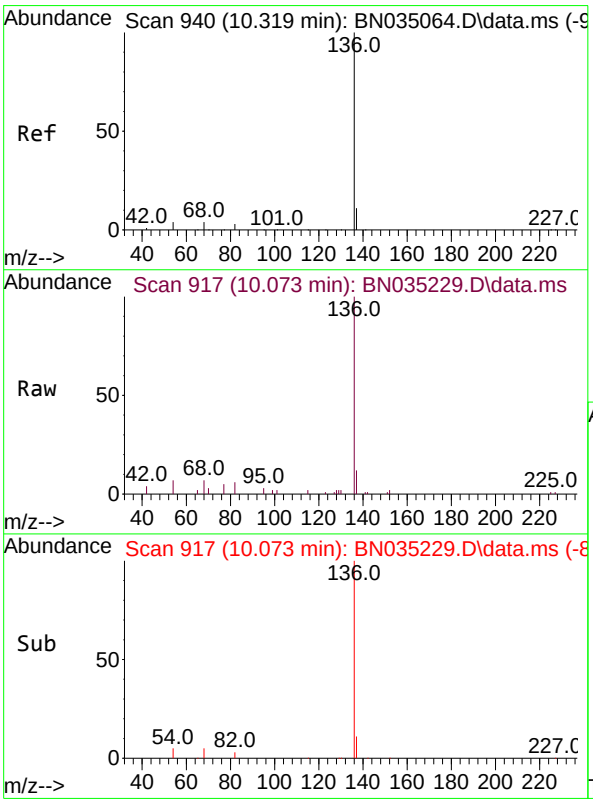
Ion	Ratio	Lower	Upper
99	100		
42	15.2	11.4	17.0
71	42.5	34.6	51.8



Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Manual Integrations
APPROVED

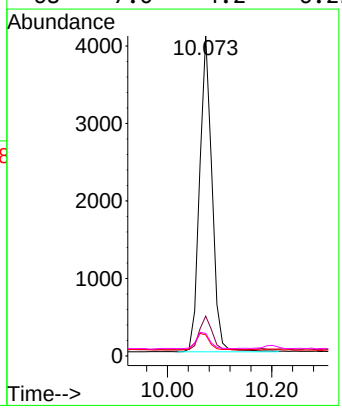
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

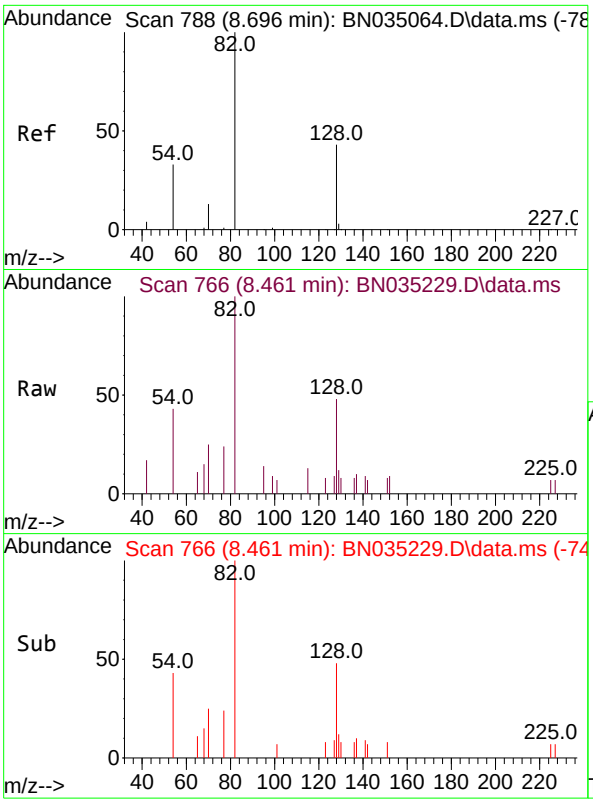


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.073 min Scan# 917
Delta R.T. 0.000 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion:136 Resp: 6688

Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.8	14.8
54	6.6	4.0	6.0#
68	7.0	4.2	6.2#





#8
Nitrobenzene-d5
Concen: 0.182 ng m
RT: 8.461 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

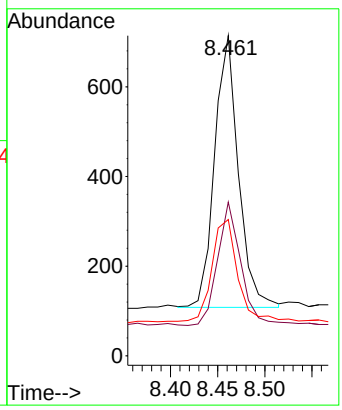
Tgt Ion: 82 Resp: 106

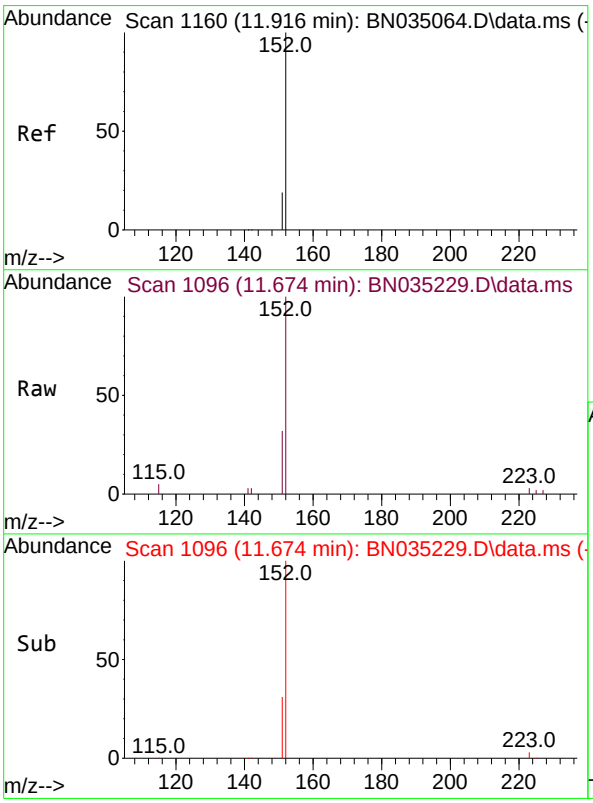
Ion	Ratio	Lower	Upper
82	100		
128	48.0	36.5	54.7
54	42.6	28.7	43.1

Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

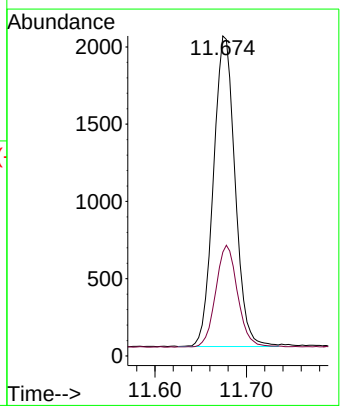


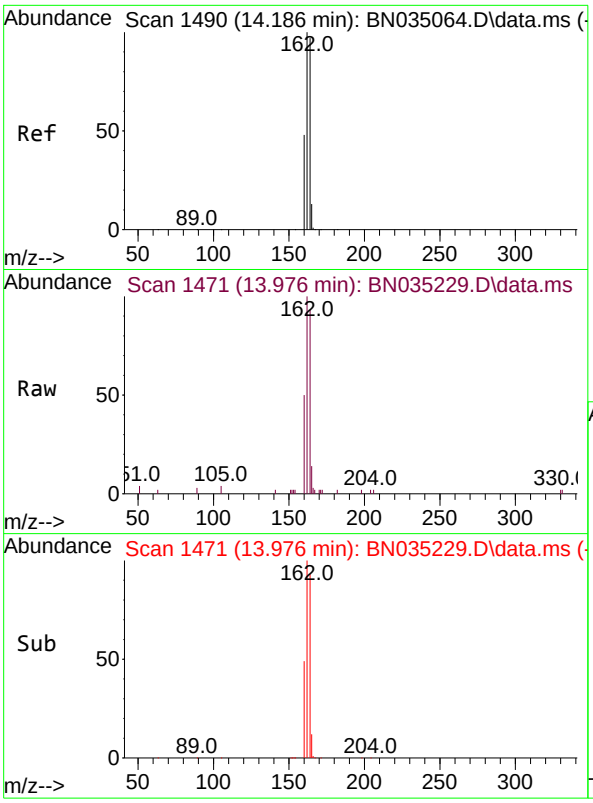


#11
2-Methylnaphthalene-d10
Concen: 0.277 ng
RT: 11.674 min Scan# 1096
Delta R.T. -0.004 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion:152 Resp: 3299

Ion	Ratio	Lower	Upper
152	100		
151	33.4	16.2	24.4#

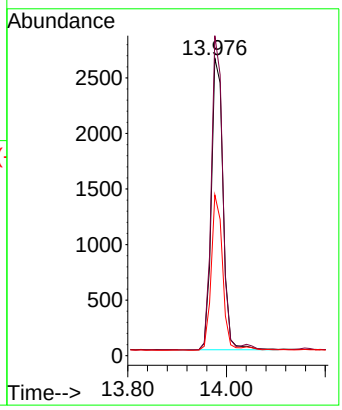




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion:164 Resp: 433

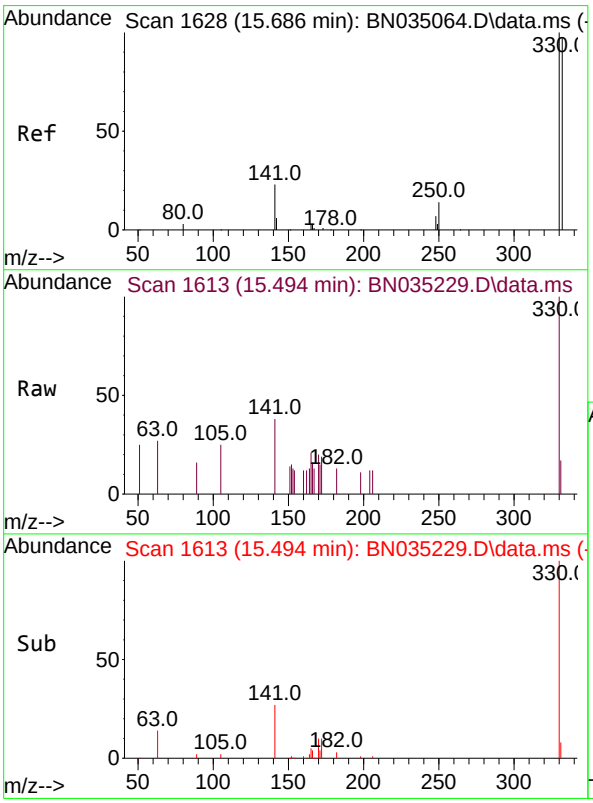
Ion	Ratio	Lower	Upper
164	100		
162	107.6	82.2	123.2
160	54.1	40.2	60.4



Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Manual Integrations
APPROVED

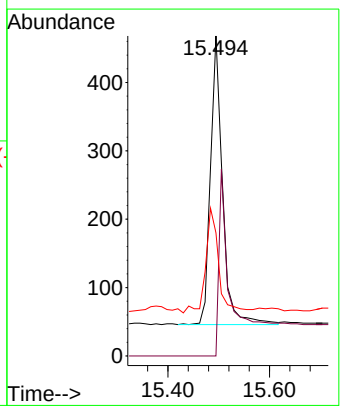
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

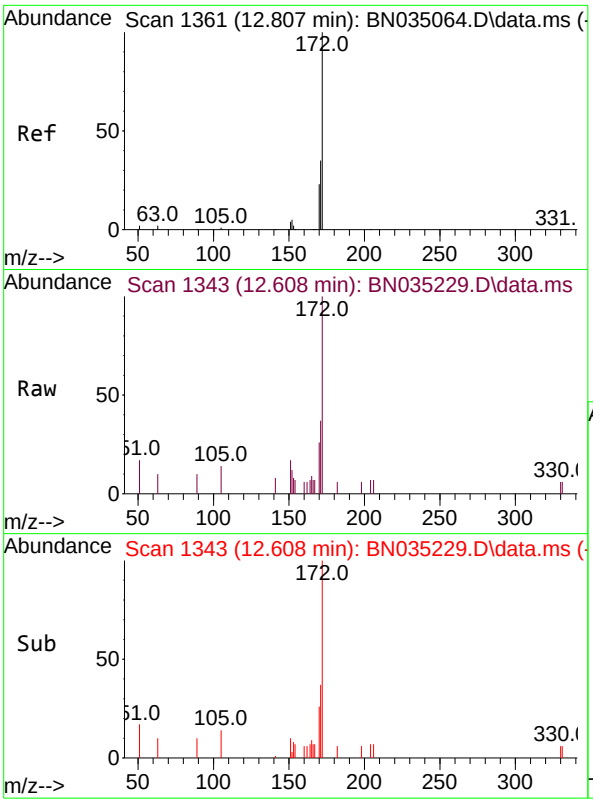


#14
2,4,6-Tribromophenol
Concen: 0.234 ng
RT: 15.494 min Scan# 1613
Delta R.T. 0.000 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion:330 Resp: 730

Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.9	115.3#
141	38.4	29.6	44.4

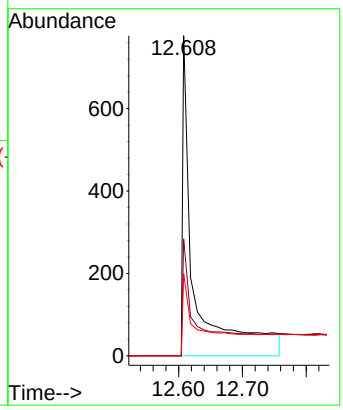




#15
2-Fluorobiphenyl
Concen: 0.061 ng
RT: 12.608 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion:172 Resp: 107

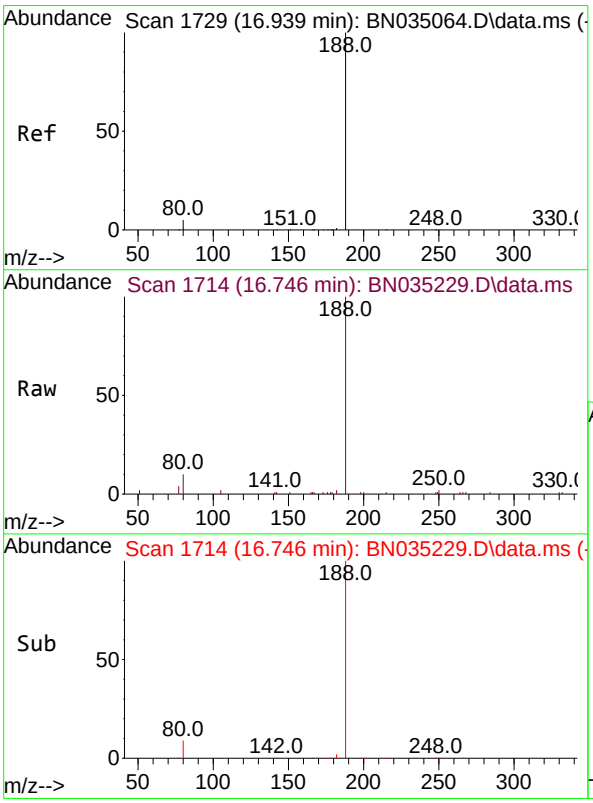
Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.2	42.4
170	25.6	19.0	28.6



Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Manual Integrations
APPROVED

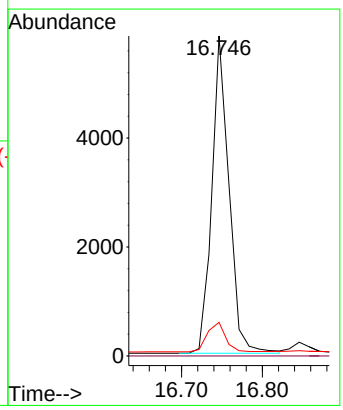
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

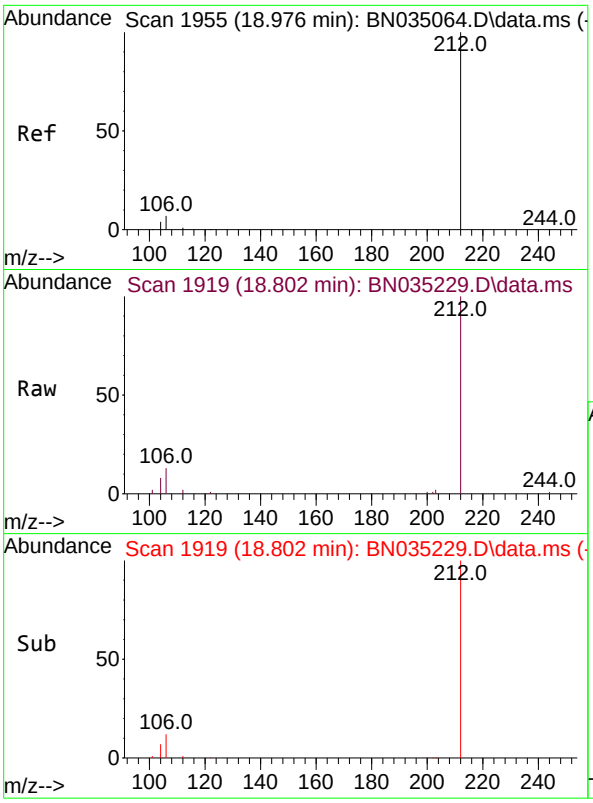


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.746 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion:188 Resp: 8619

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.5	4.3	6.5#

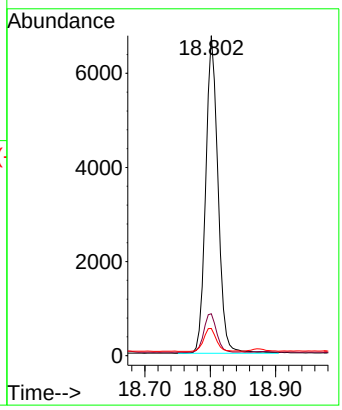




#27
Fluoranthene-d10
Concen: 0.334 ng
RT: 18.802 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion:212 Resp: 881

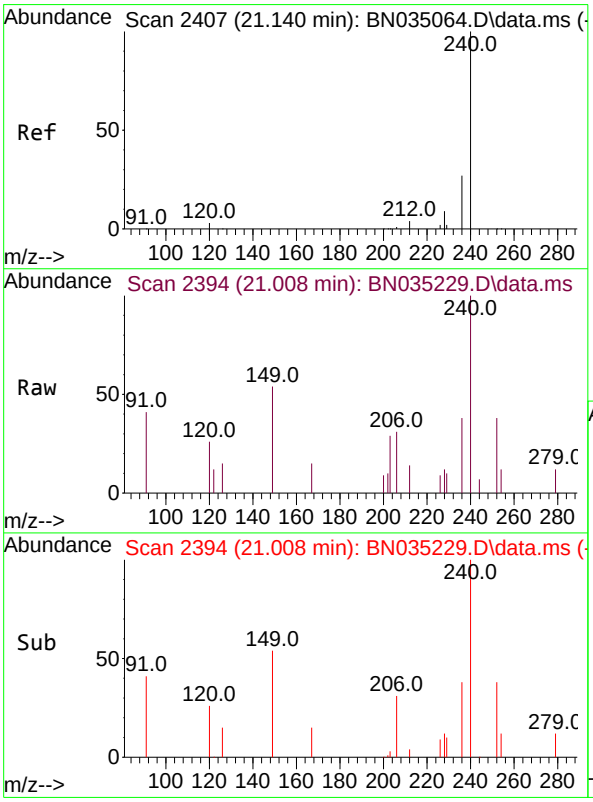
Ion	Ratio	Lower	Upper
212	100		
106	12.6	6.0	9.0#
104	7.3	3.5	5.3#



Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Manual Integrations APPROVED

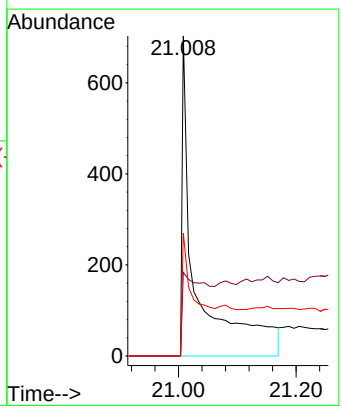
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

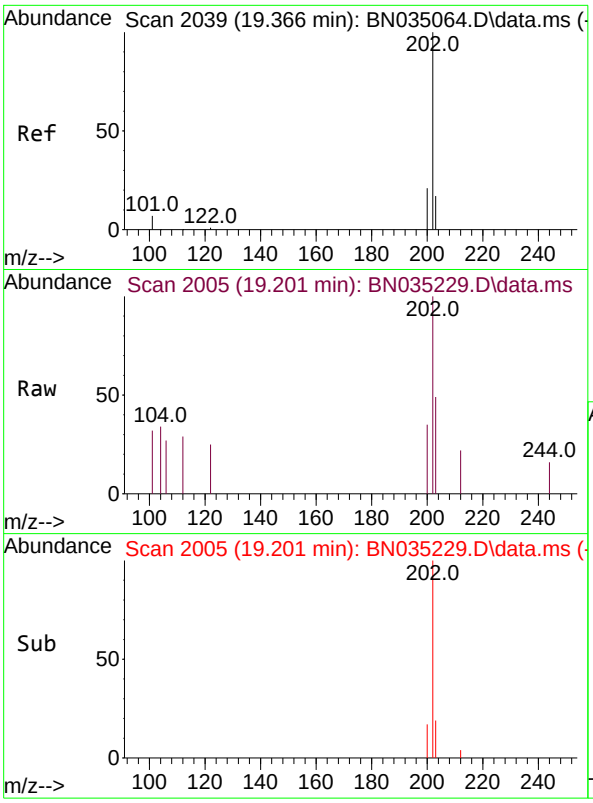


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2394
Delta R.T. 0.000 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion:240 Resp: 1170

Ion	Ratio	Lower	Upper
240	100		
120	26.2	3.8	5.6#
236	38.4	22.2	33.2#





#30
Pyrene
Concen: 0.084 ng
RT: 19.201 min Scan# 2(
Delta R.T. -0.005 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

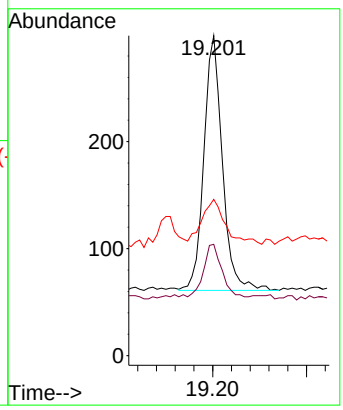
Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

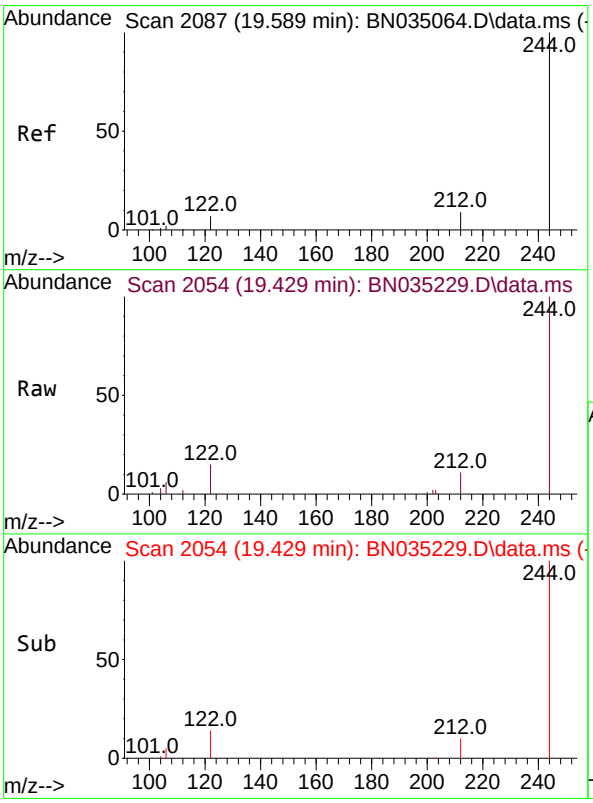
Tgt Ion:202 Resp: 32(

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	22.1	14.2	21.4#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

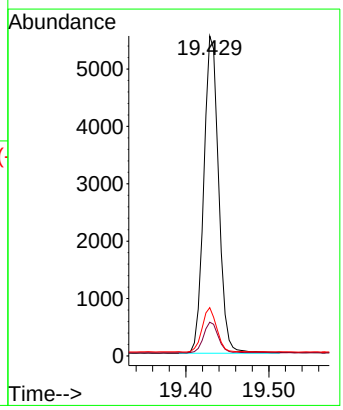


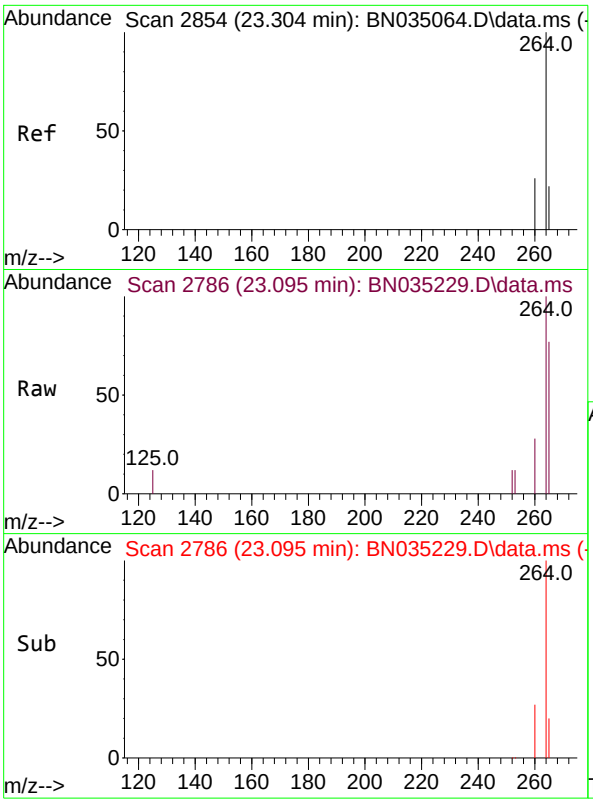


#31
Terphenyl-d14
Concen: 2.808 ng
RT: 19.429 min Scan# 2054
Delta R.T. -0.009 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion:244 Resp: 6893

Ion	Ratio	Lower	Upper
244	100		
212	10.5	7.6	11.4
122	15.1	6.1	9.1#

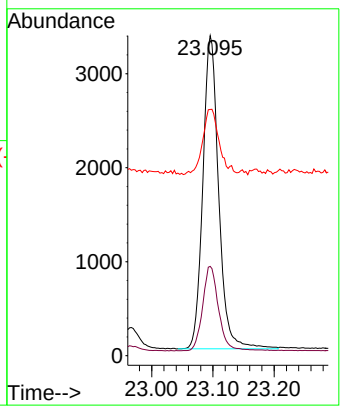




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.095 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion:264 Resp: 597

Ion	Ratio	Lower	Upper
264	100		
260	27.9	20.9	31.3
265	77.0	35.4	53.2



Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/19/24
Project:	CTO WE13	Date Received:	11/20/24
Client Sample ID:	BPOW6-10-20241119	SDG No.:	P4934
Lab Sample ID:	P4934-05	Matrix:	Water
Analytical Method:	SW8270SIM	% 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035287.D	1	11/21/24 08:27	11/25/24 16:56	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	UM	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.41		30 - 150		101%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 - 150		101%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.19	*	55 - 111		48%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.27		53 - 106		68%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.76	*	58 - 132		189%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3380	7.315				
1146-65-2	Naphthalene-d8	8190	10.063				
15067-26-2	Acenaphthene-d10	4840	13.966				
1517-22-2	Phenanthrene-d10	10300	16.734				
1719-03-5	Chrysene-d12	824	21.008				
1520-96-3	Perylene-d12	5050	23.081				

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\BN112524\
Data File : BN035287.D
Acq On : 25 Nov 2024 16:56
Operator : RC/JU
Sample : P4934-05
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 25 18:06:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	3377	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	8188	0.400	ng	0.00
13) Acenaphthene-d10	13.966	164	4836	0.400	ng	-0.01
19) Phenanthrene-d10	16.734	188	10344	0.400	ng	0.00
29) Chrysene-d12	21.008	240	824	0.400	ng	# 0.00
35) Perylene-d12	23.081	264	5052	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	1455	0.228	ng	0.00
5) Phenol-d6	6.520	99	1180	0.132	ng	0.00
8) Nitrobenzene-d5	8.450	82	1271m	0.191	ng	0.00
11) 2-Methylnaphthalene-d10	11.663	152	4637	0.405	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	579	0.235	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	724	0.271	ng	0.00
27) Fluoranthene-d10	18.792	212	11214	0.405	ng	0.00
31) Terphenyl-d14	19.419	244	11493	0.755	ng	0.00
Target Compounds						Qvalue

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

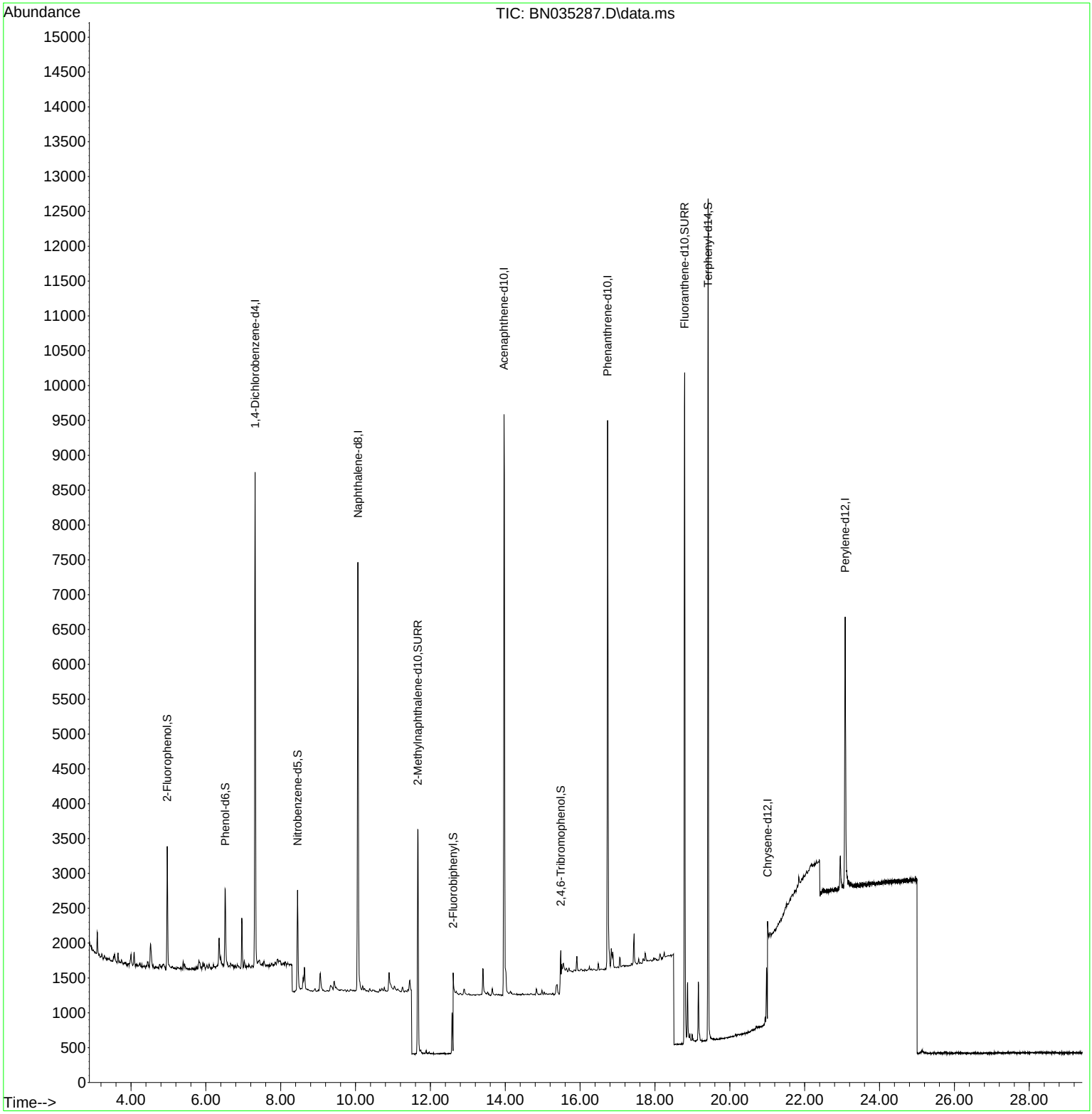
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035287.D
Acq On : 25 Nov 2024 16:56
Operator : RC/JU
Sample : P4934-05
Misc :
ALS Vial : 63 Sample Multiplier: 1

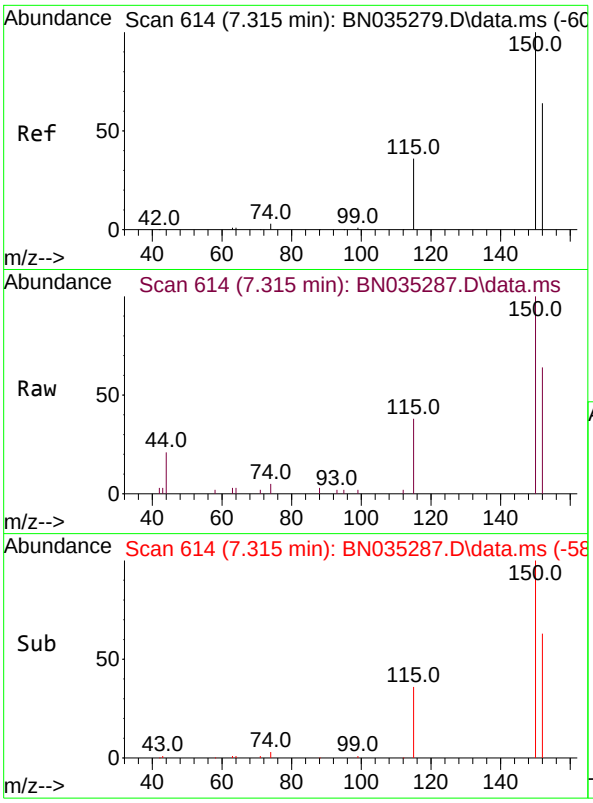
Quant Time: Nov 25 18:06:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

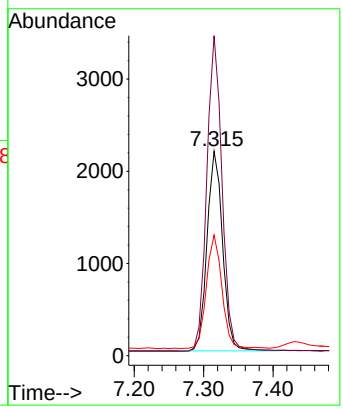




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion:152 Resp: 337

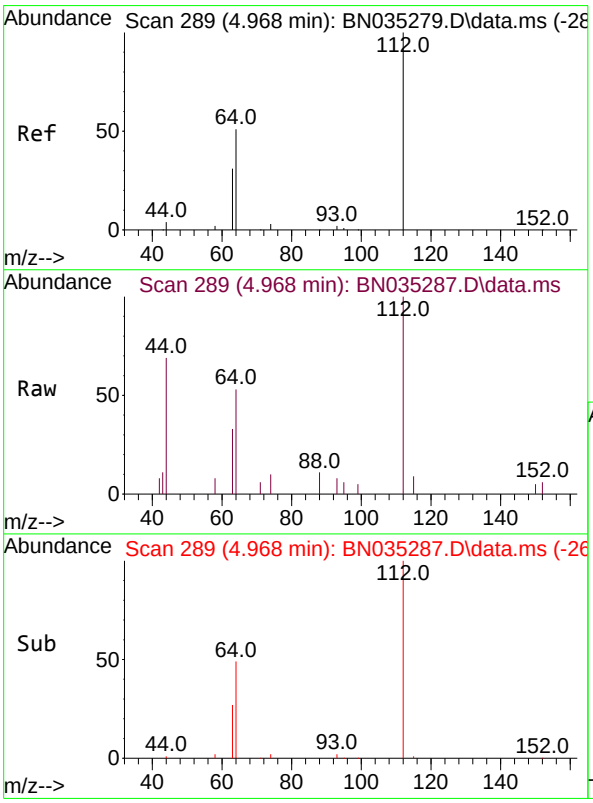
Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.5	186.7
115	59.0	47.8	71.8



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119

Manual Integrations
APPROVED

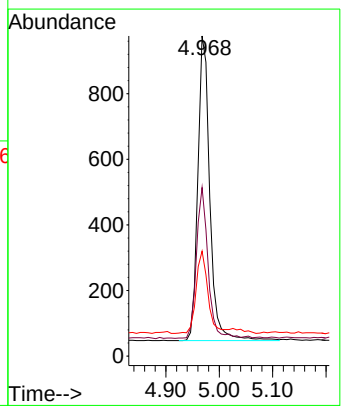
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

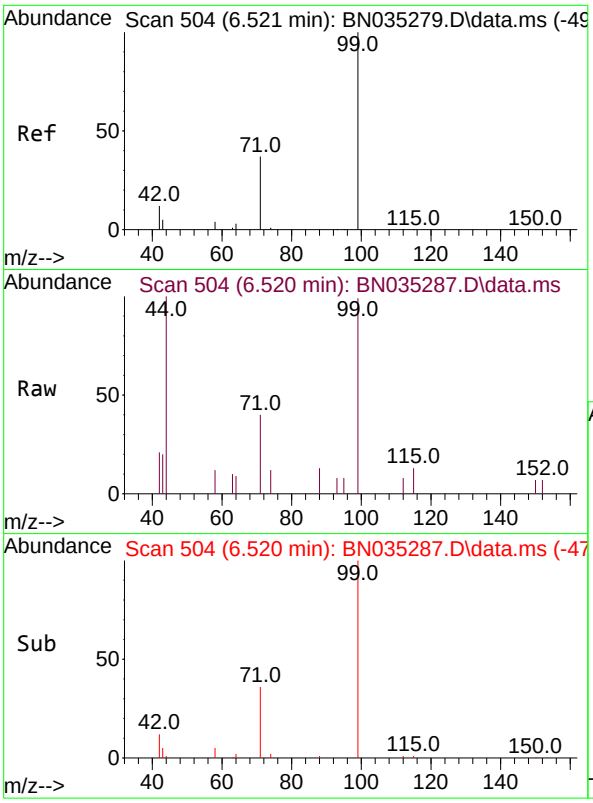


#4
2-Fluorophenol
Concen: 0.228 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion:112 Resp: 1455

Ion	Ratio	Lower	Upper
112	100		
64	48.0	40.4	60.6
63	26.4	23.8	35.8

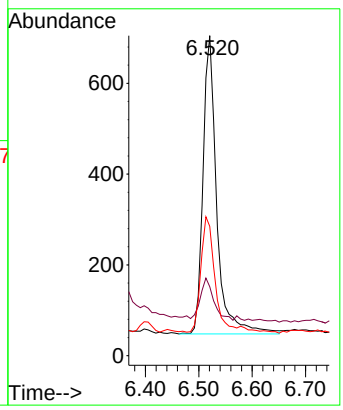




#5
Phenol-d6
Concen: 0.132 ng
RT: 6.520 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion: 99 Resp: 118(

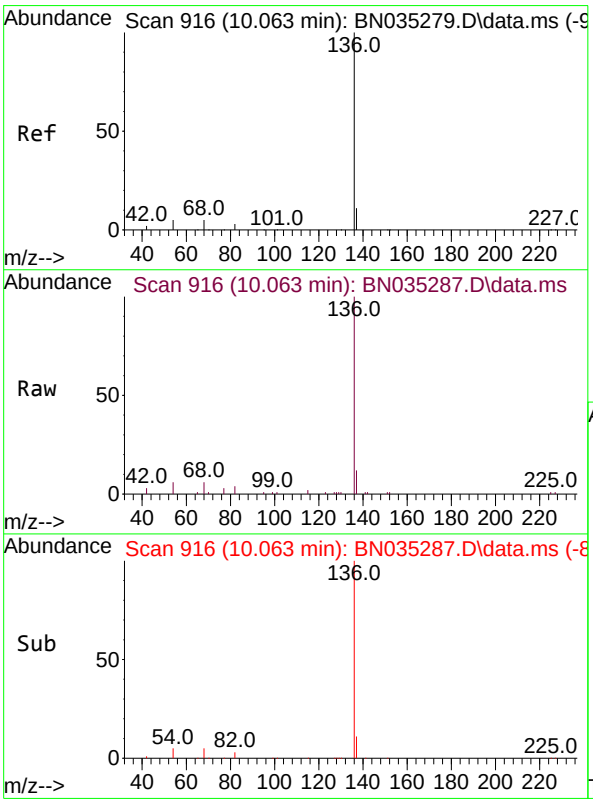
Ion	Ratio	Lower	Upper
99	100		
42	13.6	12.8	19.2
71	41.9	31.4	47.2



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119

Manual Integrations
APPROVED

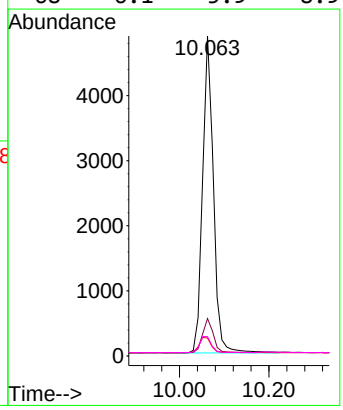
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

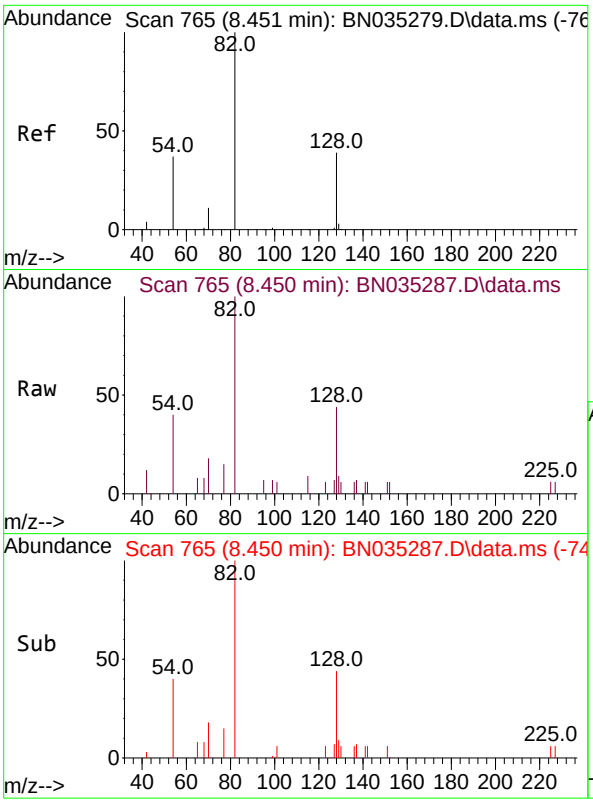


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion:136 Resp: 8188

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.7	14.5
54	5.6	5.3	7.9
68	6.1	5.9	8.9

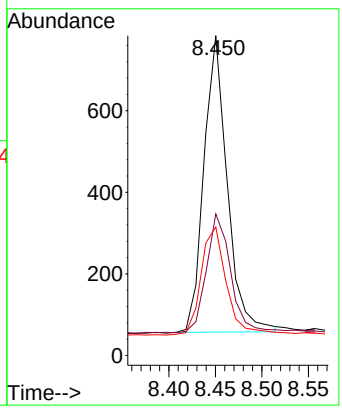




#8
Nitrobenzene-d5
Concen: 0.191 ng m
RT: 8.450 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion: 82 Resp: 127

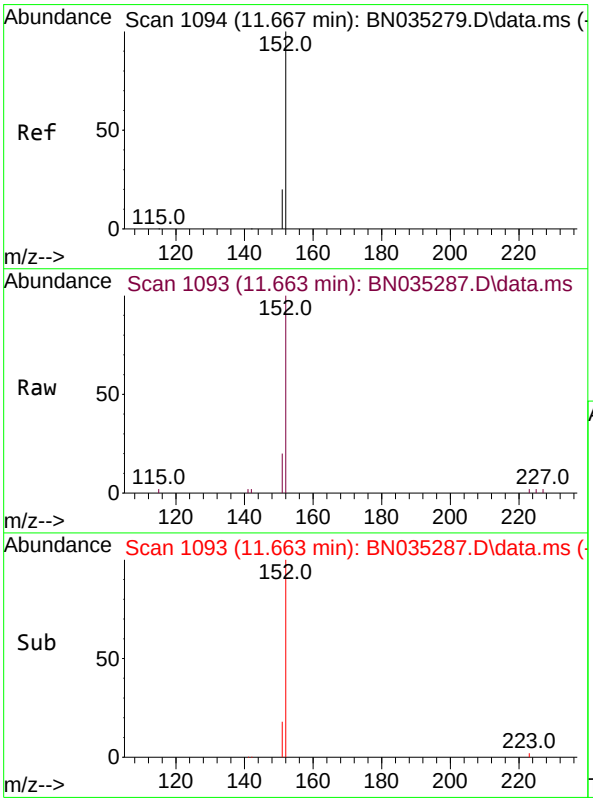
Ion	Ratio	Lower	Upper
82	100		
128	44.3	33.0	49.4
54	40.2	33.3	49.9



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119

Manual Integrations
APPROVED

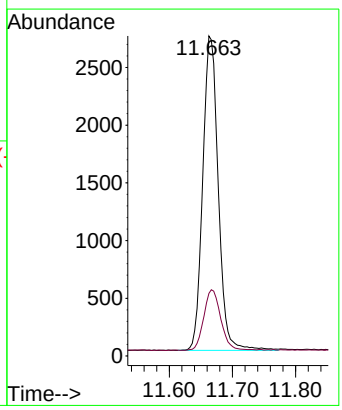
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

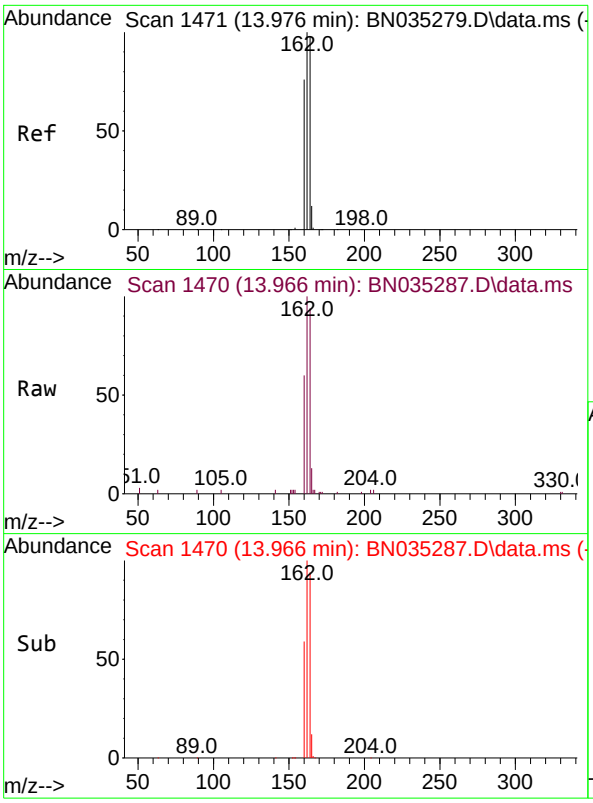


#11
2-Methylnaphthalene-d10
Concen: 0.405 ng
RT: 11.663 min Scan# 1093
Delta R.T. -0.004 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion:152 Resp: 4637

Ion	Ratio	Lower	Upper
152	100		
151	21.1	17.2	25.8

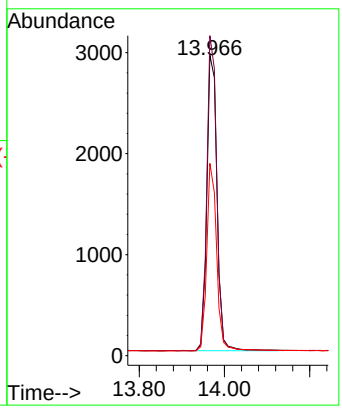




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.966 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion:164 Resp: 483

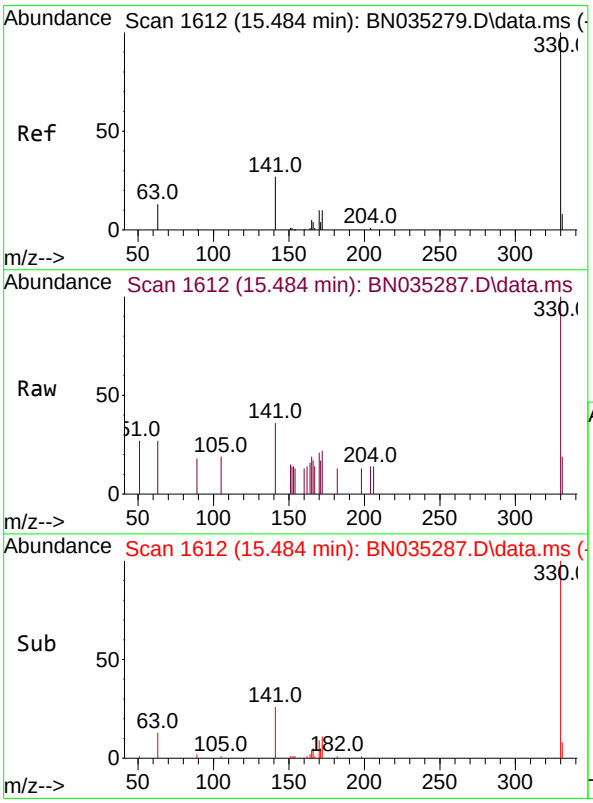
Ion	Ratio	Lower	Upper
164	100		
162	106.5	82.0	123.0
160	64.0	63.0	94.4



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119

Manual Integrations
APPROVED

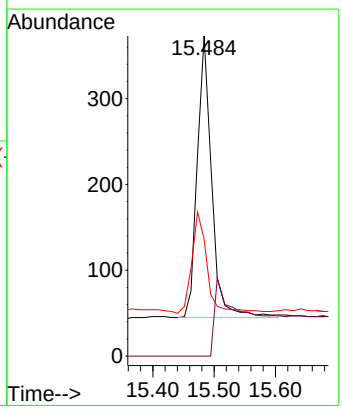
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

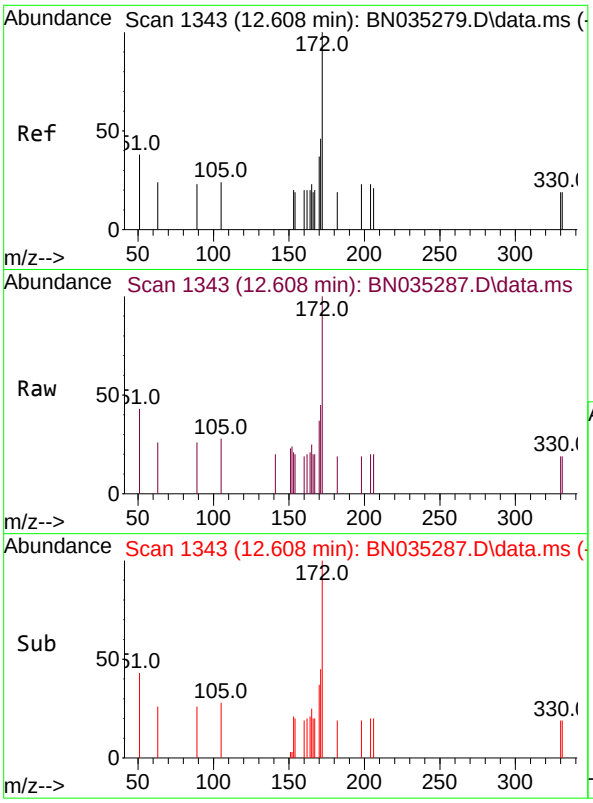


#14
2,4,6-Tribromophenol
Concen: 0.235 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion:330 Resp: 579

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.7	32.4	48.6

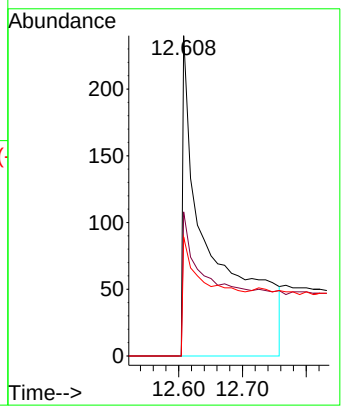




#15
2-Fluorobiphenyl
Concen: 0.271 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion:172 Resp: 72

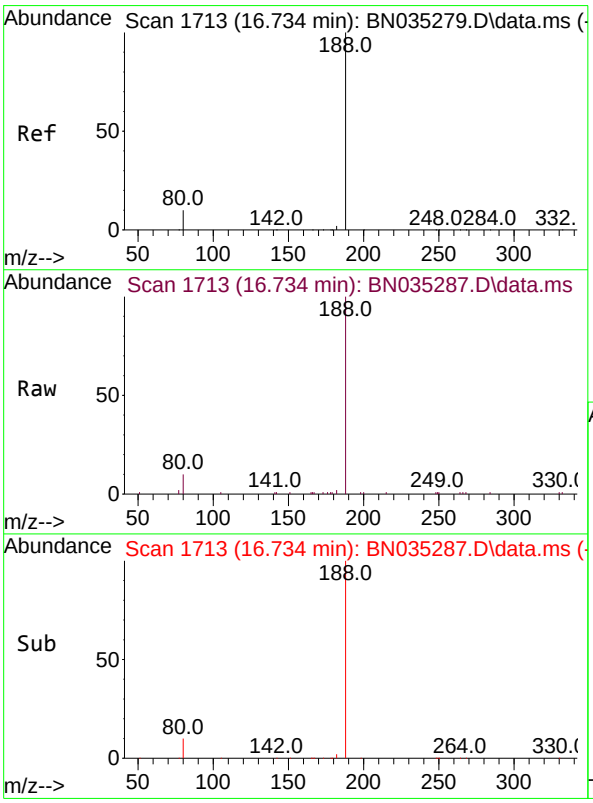
Ion	Ratio	Lower	Upper
172	100		
171	45.0	36.6	55.0
170	37.1	29.7	44.5



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119

Manual Integrations
APPROVED

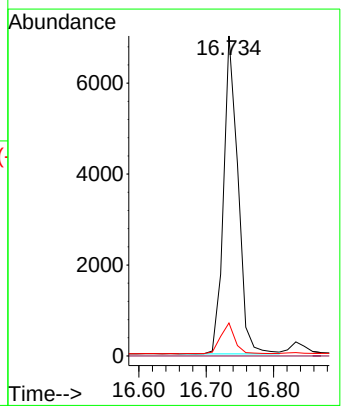
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

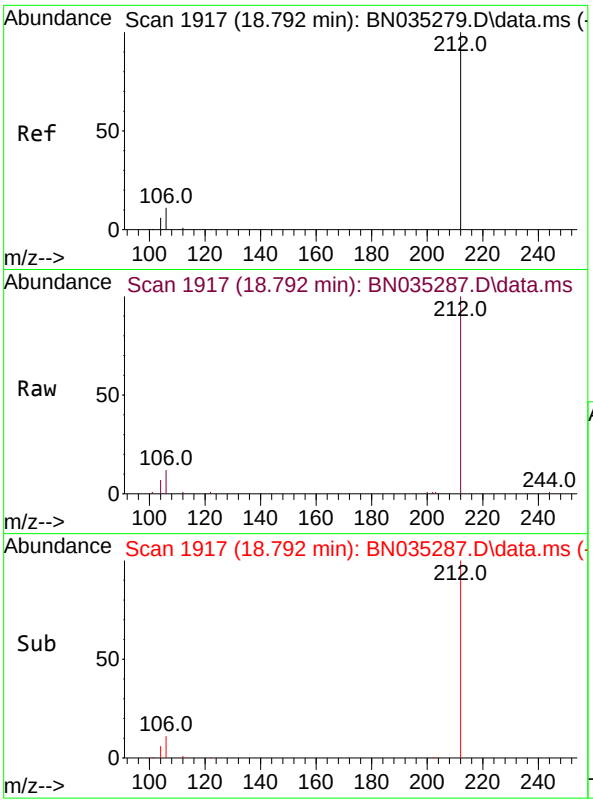


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion:188 Resp: 10344

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	8.9	13.3

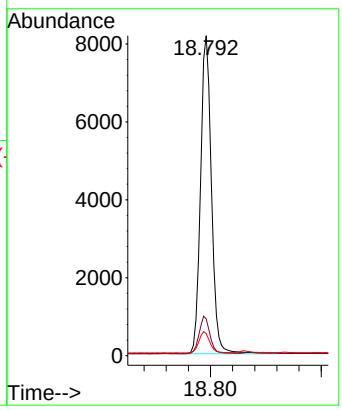




#27
Fluoranthene-d10
Concen: 0.405 ng
RT: 18.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion:212 Resp: 1121

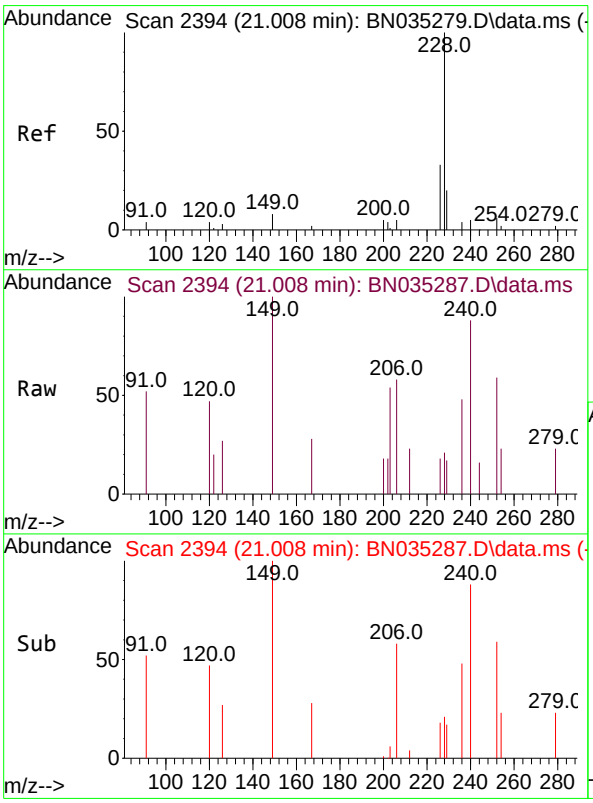
Ion	Ratio	Lower	Upper
212	100		
106	11.4	9.8	14.8
104	6.8	5.6	8.4



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119

Manual Integrations
APPROVED

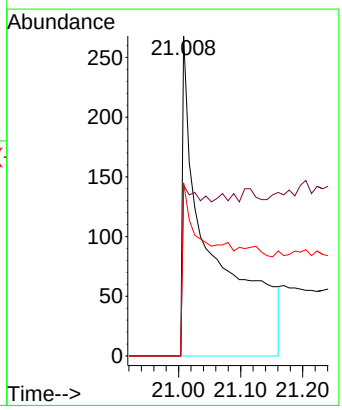
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

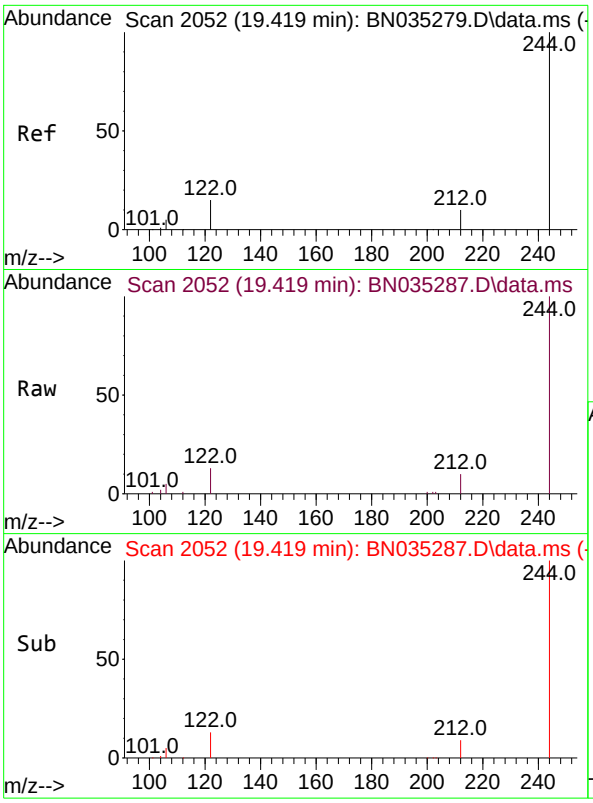


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion:240 Resp: 824

Ion	Ratio	Lower	Upper
240	100		
120	53.4	54.9	82.3#
236	54.1	54.0	81.0





#31
Terphenyl-d14
Concen: 0.755 ng
RT: 19.419 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

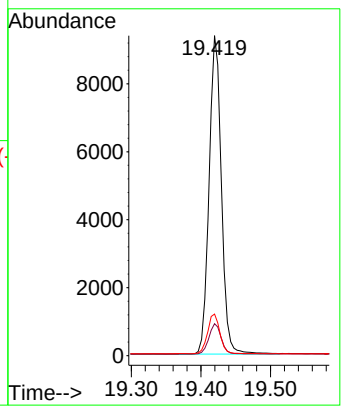
Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119

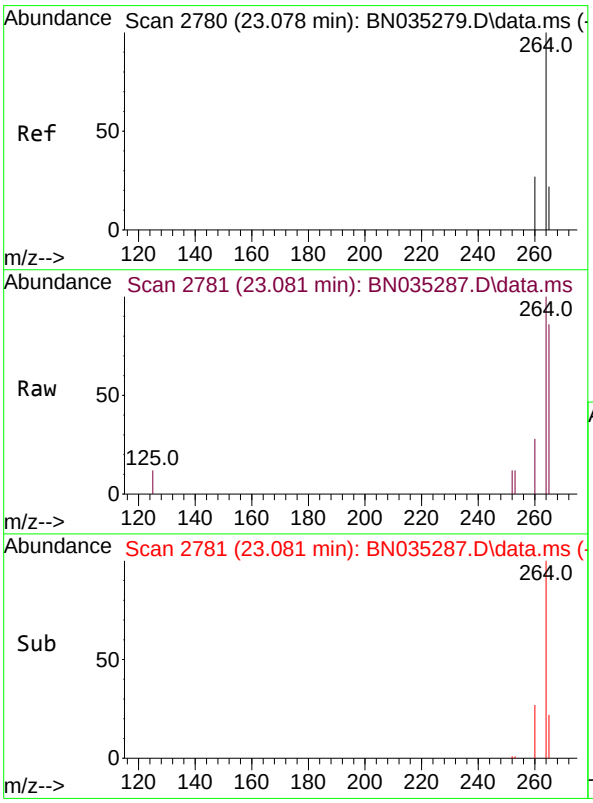
Tgt Ion:244 Resp: 1149

Ion	Ratio	Lower	Upper
244	100		
212	10.0	9.4	14.0
122	13.0	13.0	19.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

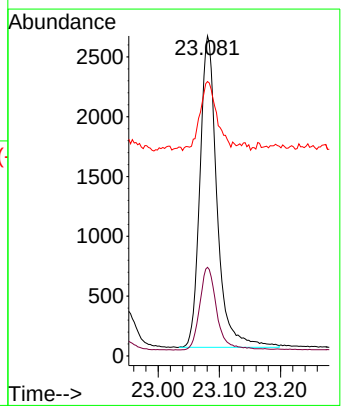




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.081 min Scan# 2781
Delta R.T. 0.003 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion:264 Resp: 5052

Ion	Ratio	Lower	Upper
264	100		
260	27.7	22.3	33.5
265	85.8	68.6	103.0



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/19/24
Project:	CTO WE13	Date Received:	11/20/24
Client Sample ID:	BPOW6-9-20241119	SDG No.:	P4934
Lab Sample ID:	P4934-08	Matrix:	Water
Analytical Method:	SW8270SIM	% 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035230.D	1	11/21/24 08:27	11/21/24 20:00	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		83%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.19	*	55 - 111		47%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.072	*	53 - 106		18%	SPK: 0.4
1718-51-0	Terphenyl-d14	2.67	*	58 - 132		668%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2760	7.322				
1146-65-2	Naphthalene-d8	6460	10.073				
15067-26-2	Acenaphthene-d10	4130	13.976				
1517-22-2	Phenanthrene-d10	8430	16.746				
1719-03-5	Chrysene-d12	1400	21.008				
1520-96-3	Perylene-d12	6100	23.095				

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\BN112124\
Data File : BN035230.D
Acq On : 21 Nov 2024 20:00
Operator : RC/JU
Sample : P4934-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BPOW6-9-20241119

Quant Time: Nov 21 23:05:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

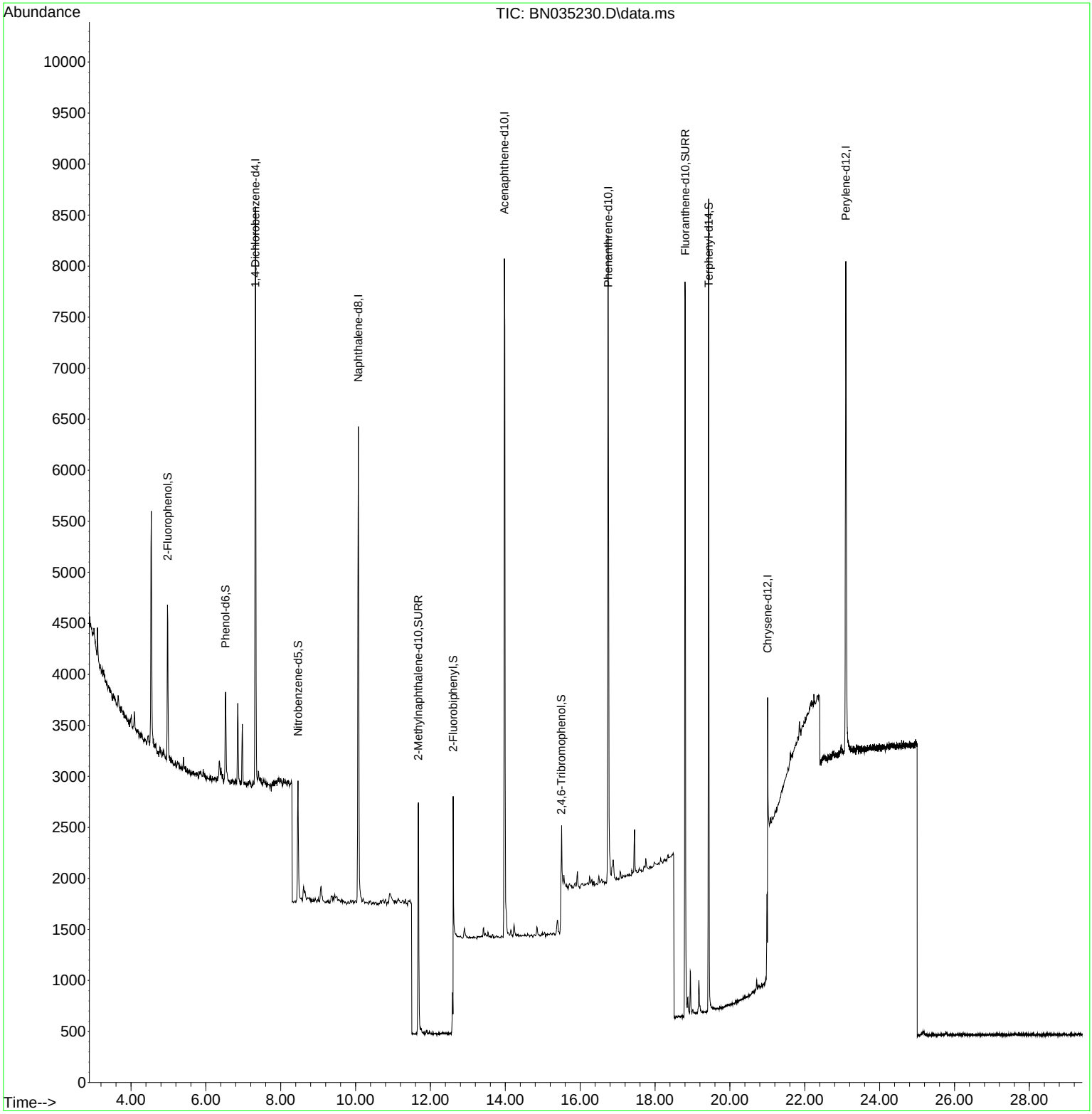
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.322	152	2756	0.400	ng	0.00
7) Naphthalene-d8	10.073	136	6458	0.400	ng	# 0.00
13) Acenaphthene-d10	13.976	164	4128	0.400	ng	-0.01
19) Phenanthrene-d10	16.746	188	8432	0.400	ng	# 0.00
29) Chrysene-d12	21.008	240	1400	0.400	ng	# 0.00
35) Perylene-d12	23.095	264	6097	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.975	112	1248	0.178	ng	0.00
5) Phenol-d6	6.528	99	968	0.110	ng	0.00
8) Nitrobenzene-d5	8.461	82	1048	0.186	ng	0.00
11) 2-Methylnaphthalene-d10	11.674	152	3291	0.286	ng	0.00
14) 2,4,6-Tribromophenol	15.494	330	704	0.236	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	1204	0.072	ng	0.00
27) Fluoranthene-d10	18.806	212	8578	0.332	ng	0.00
31) Terphenyl-d14	19.433	244	7846	2.671	ng	0.00
Target Compounds						Qvalue

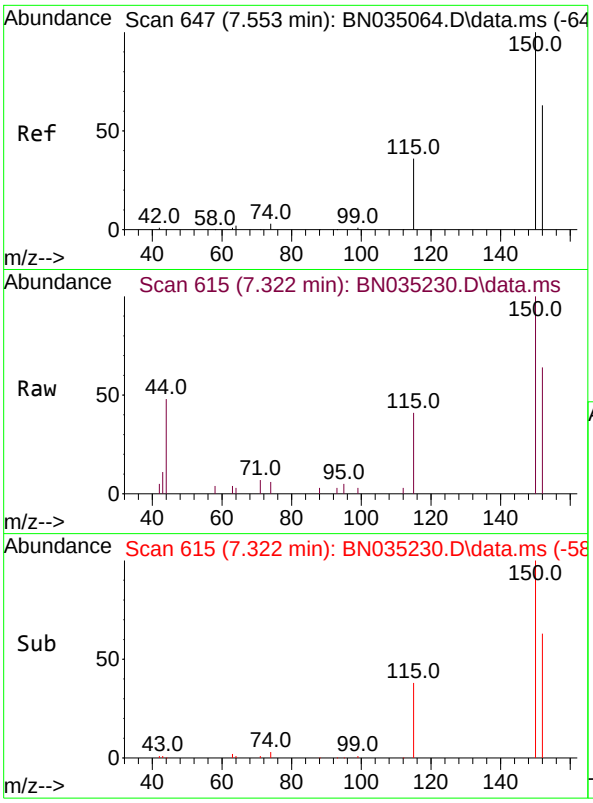
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035230.D
Acq On : 21 Nov 2024 20:00
Operator : RC/JU
Sample : P4934-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BPOW6-9-20241119

Quant Time: Nov 21 23:05:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration



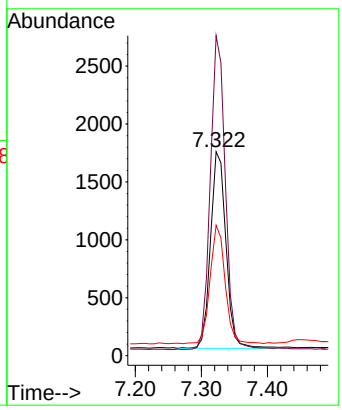


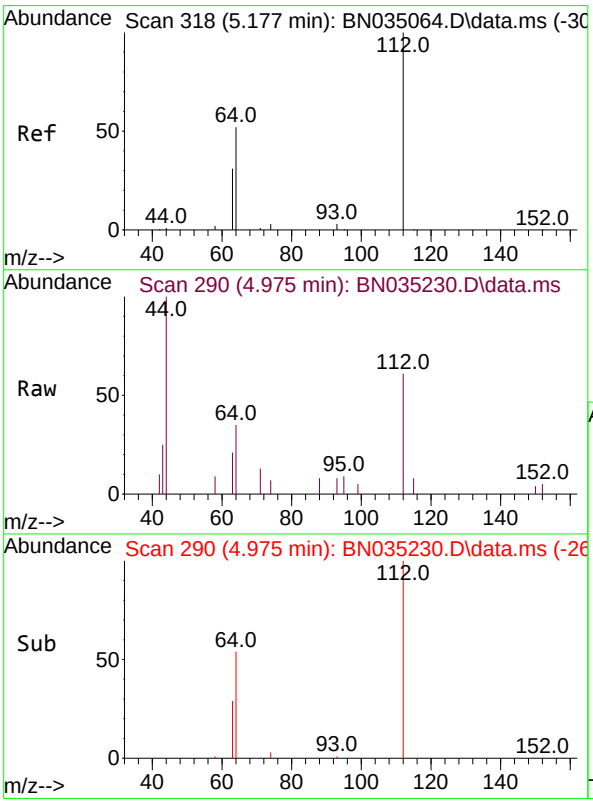
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.322 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN035230.D
Acq: 21 Nov 2024 20:00

Instrument :
BNA_N
ClientSampleId :
BPOW6-9-20241119

Tgt Ion:152 Resp: 2756

Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.5	186.7
115	63.9	47.8	71.6

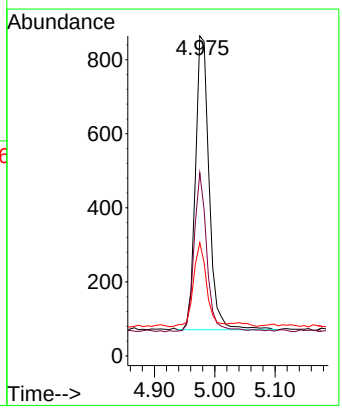


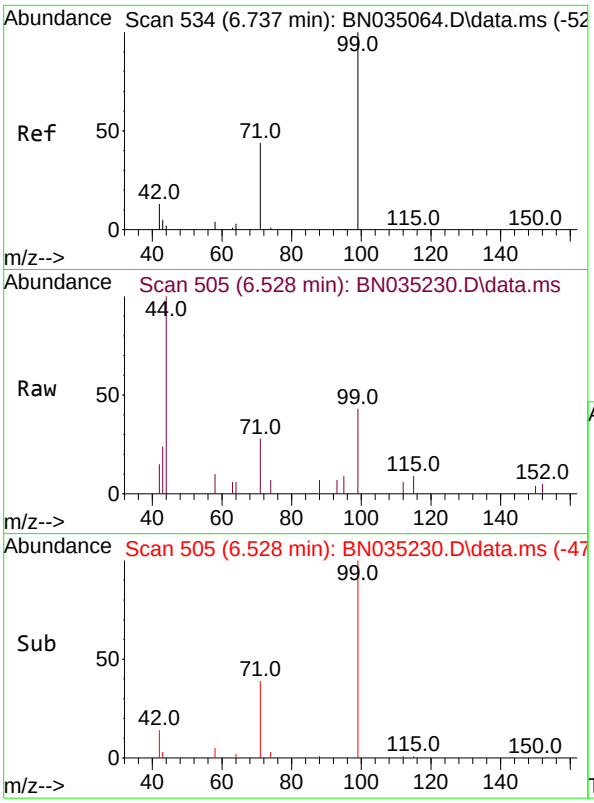


#4
2-Fluorophenol
Concen: 0.178 ng
RT: 4.975 min Scan# 290
Delta R.T. -0.007 min
Lab File: BN035230.D
Acq: 21 Nov 2024 20:00

Tgt Ion:112 Resp: 1248

Ion	Ratio	Lower	Upper
112	100		
64	51.1	39.7	59.5
63	27.4	23.0	34.4



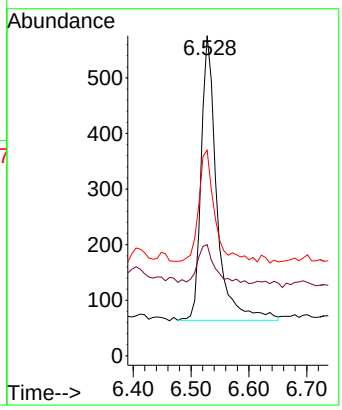


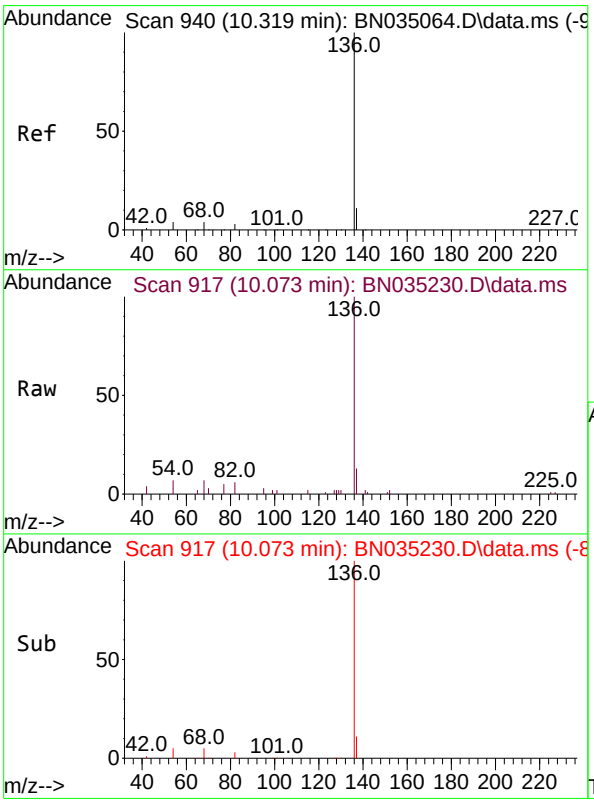
#5
Phenol-d6
Concen: 0.110 ng
RT: 6.528 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035230.D
Acq: 21 Nov 2024 20:00

Instrument :
BNA_N
ClientSampleId :
BPOW6-9-20241119

Tgt Ion: 99 Resp: 968

Ion	Ratio	Lower	Upper
99	100		
42	16.4	11.4	17.0
71	40.1	34.6	51.8

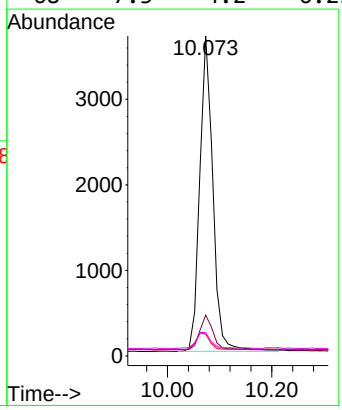


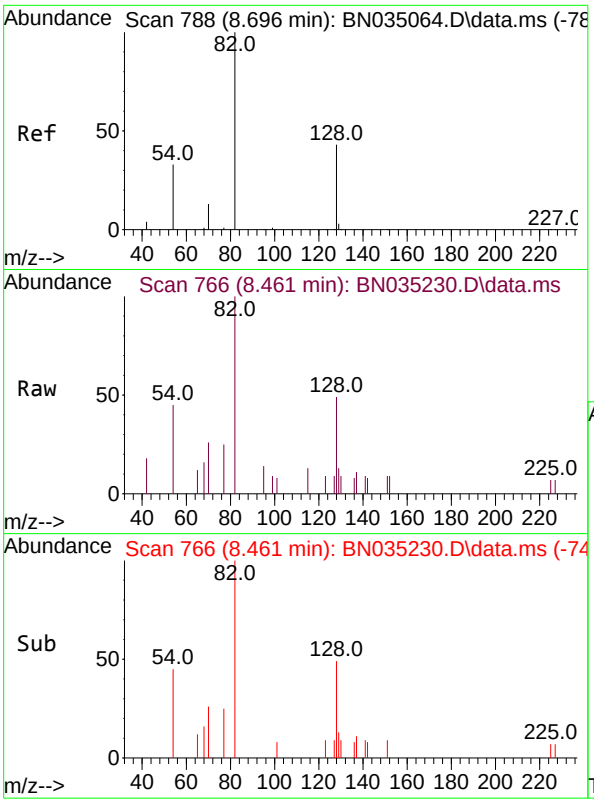


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.073 min Scan# 917
Delta R.T. -0.000 min
Lab File: BN035230.D
Acq: 21 Nov 2024 20:00

Tgt Ion:136 Resp: 6458

Ion	Ratio	Lower	Upper
136	100		
137	12.8	9.8	14.8
54	6.8	4.0	6.0#
68	7.3	4.2	6.2#



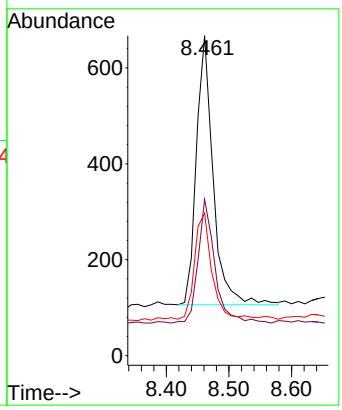


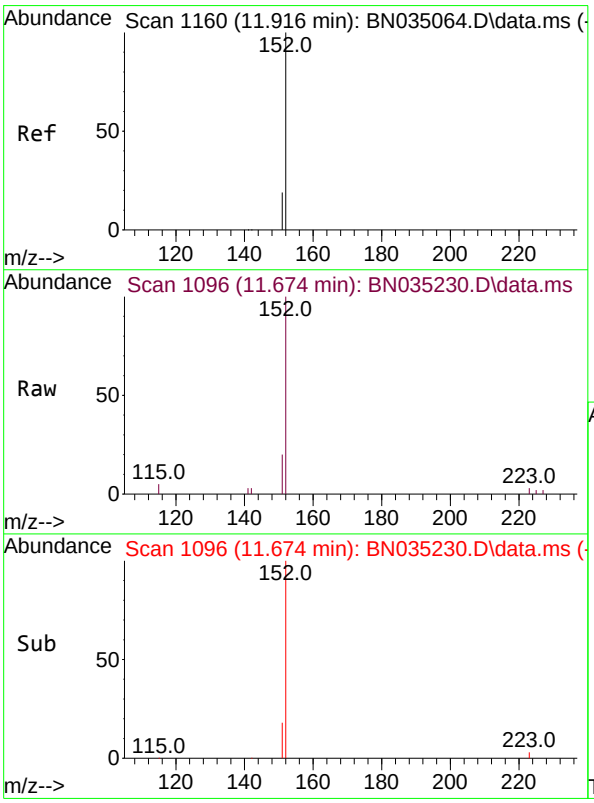
#8
Nitrobenzene-d5
Concen: 0.186 ng
RT: 8.461 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN035230.D
Acq: 21 Nov 2024 20:00

Instrument :
BNA_N
ClientSampleId :
BPOW6-9-20241119

Tgt Ion: 82 Resp: 1048

Ion	Ratio	Lower	Upper
82	100		
128	48.9	36.5	54.7
54	44.5	28.7	43.1#

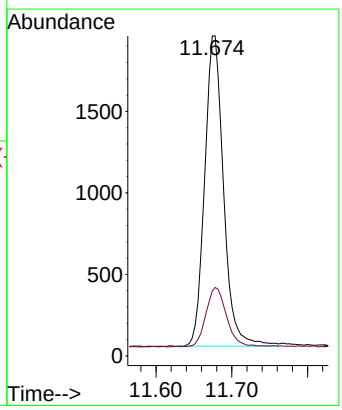


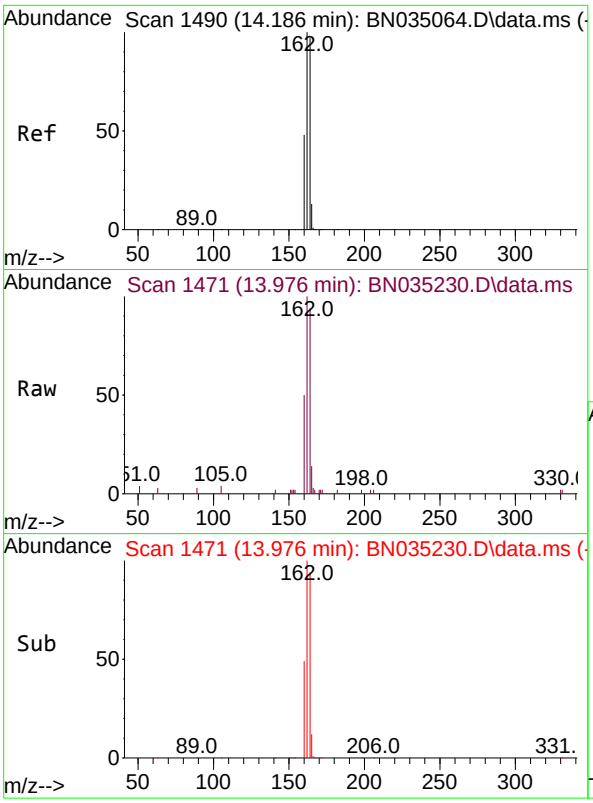


#11
2-Methylnaphthalene-d10
Concen: 0.286 ng
RT: 11.674 min Scan# 1096
Delta R.T. -0.004 min
Lab File: BN035230.D
Acq: 21 Nov 2024 20:00

Tgt Ion:152 Resp: 3291

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.2	24.4



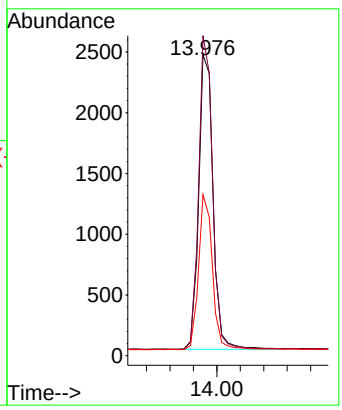


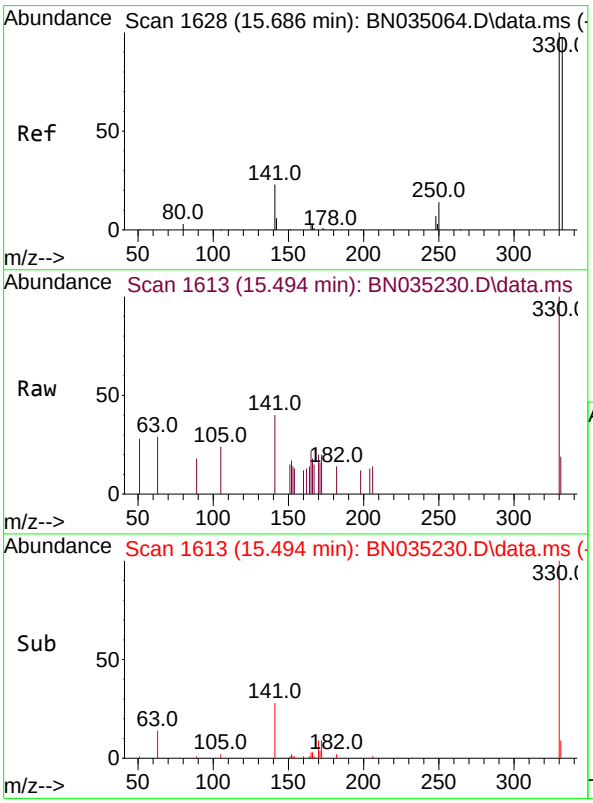
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035230.D
Acq: 21 Nov 2024 20:00

Instrument :
BNA_N
ClientSampleId :
BPOW6-9-20241119

Tgt Ion:164 Resp: 4128

Ion	Ratio	Lower	Upper
164	100		
162	106.3	82.2	123.2
160	53.5	40.2	60.4

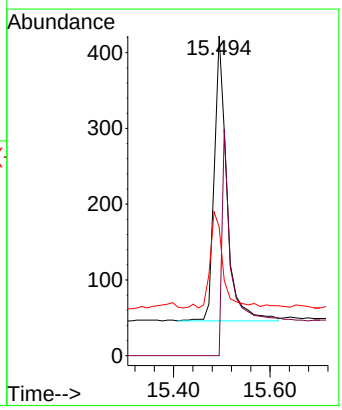


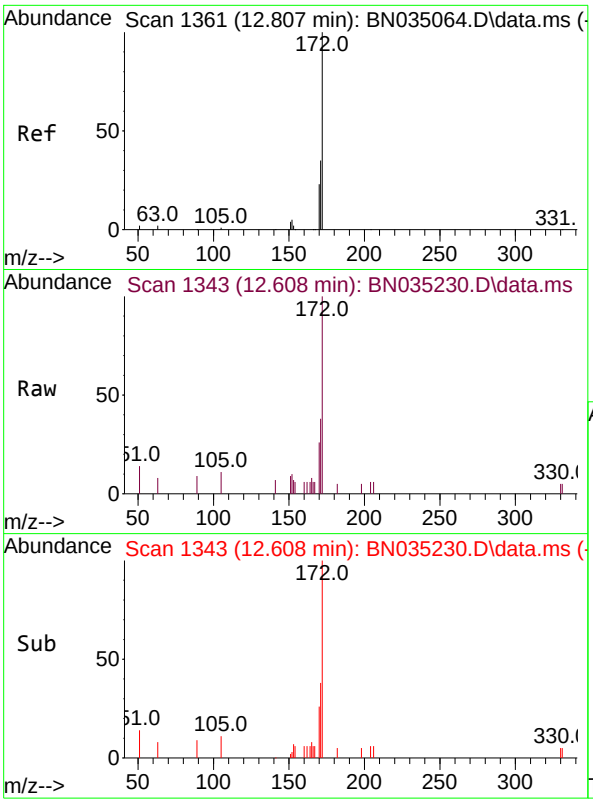


#14
2,4,6-Tribromophenol
Concen: 0.236 ng
RT: 15.494 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN035230.D
Acq: 21 Nov 2024 20:00

Tgt Ion:330 Resp: 704

Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.9	115.3
141	0.0	29.6	44.4#



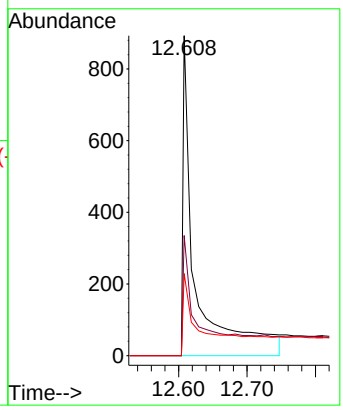


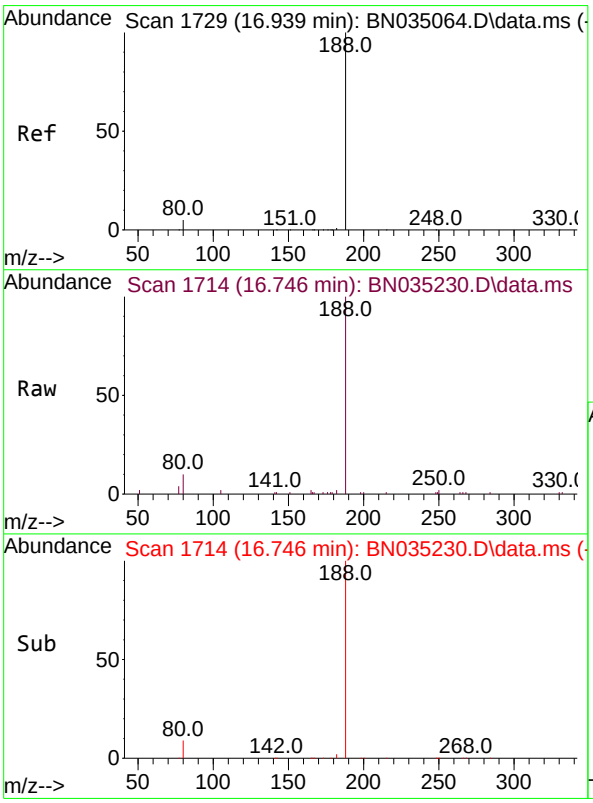
#15
2-Fluorobiphenyl
Concen: 0.072 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035230.D
Acq: 21 Nov 2024 20:00

Instrument :
BNA_N
ClientSampleId :
BPOW6-9-20241119

Tgt Ion:172 Resp: 1204

Ion	Ratio	Lower	Upper
172	100		
171	37.5	28.2	42.4
170	25.6	19.0	28.6

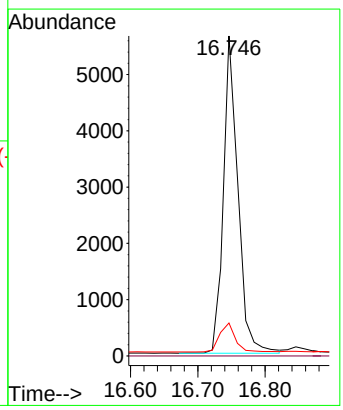


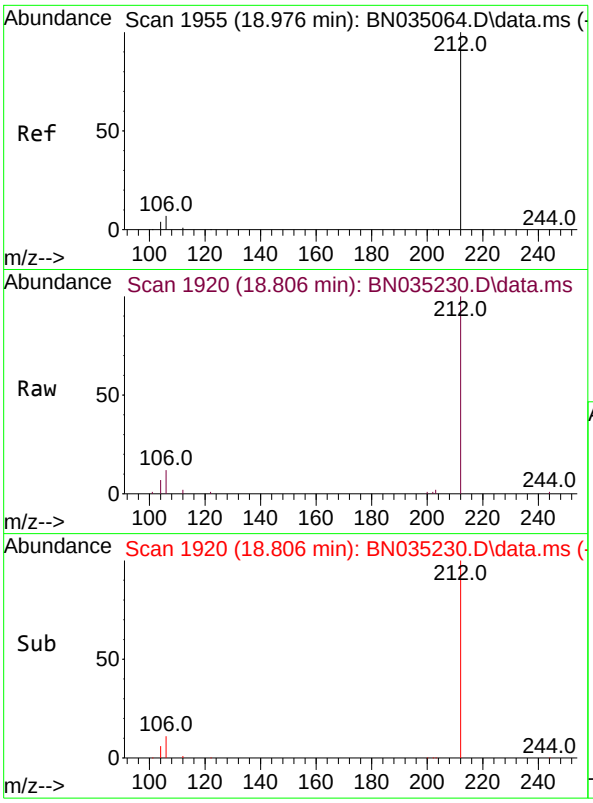


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.746 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN035230.D
Acq: 21 Nov 2024 20:00

Tgt Ion:188 Resp: 8432

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	4.3	6.5#



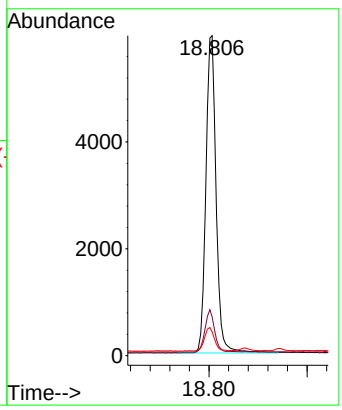


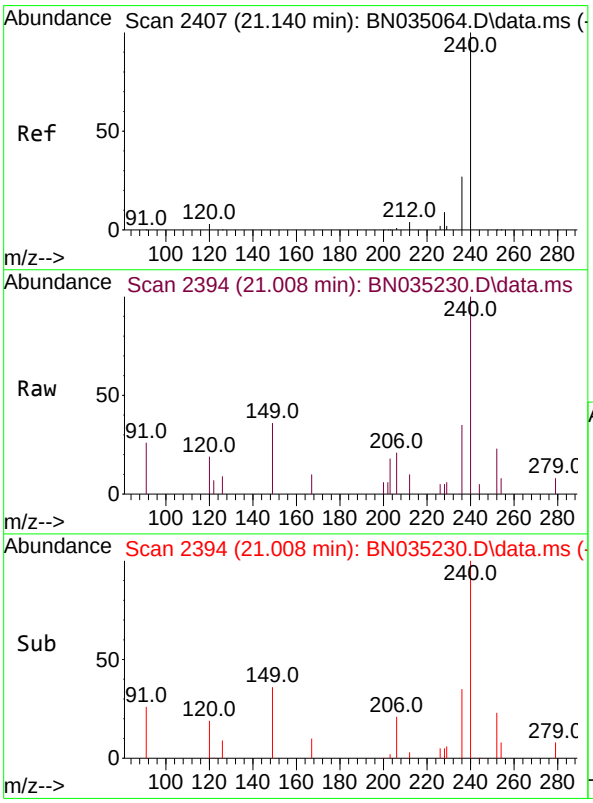
#27
Fluoranthene-d10
Concen: 0.332 ng
RT: 18.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035230.D
Acq: 21 Nov 2024 20:00

Instrument :
BNA_N
ClientSampleId :
BPOW6-9-20241119

Tgt Ion:212 Resp: 8578

Ion	Ratio	Lower	Upper
212	100		
106	12.6	6.0	9.0#
104	7.3	3.5	5.3#

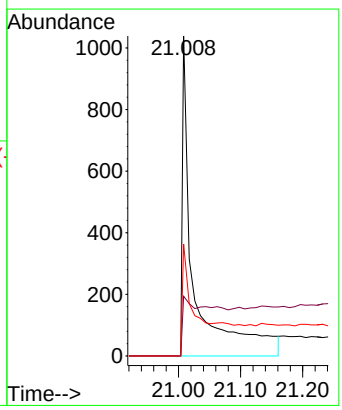


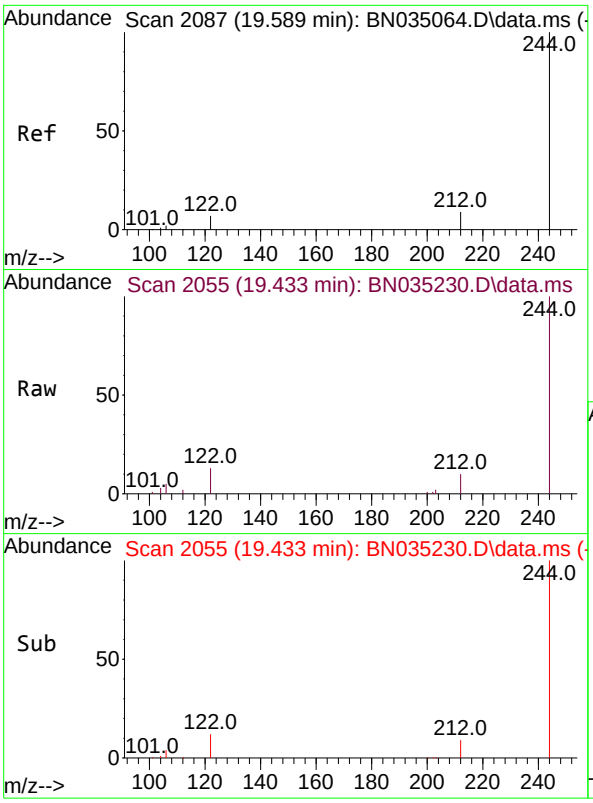


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN035230.D
Acq: 21 Nov 2024 20:00

Tgt Ion:240 Resp: 1400

Ion	Ratio	Lower	Upper
240	100		
120	18.7	3.8	5.6#
236	35.0	22.2	33.2#



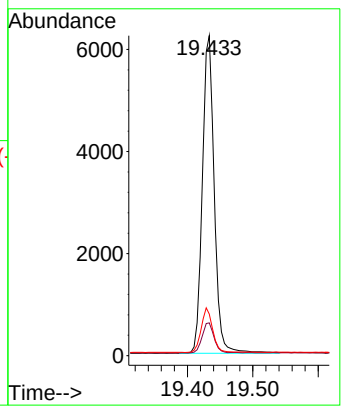


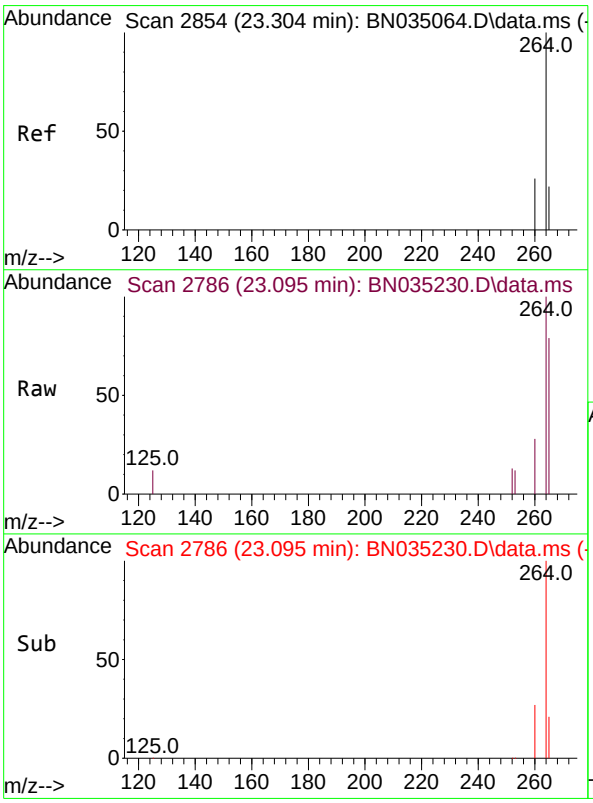
#31
Terphenyl-d14
Concen: 2.671 ng
RT: 19.433 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN035230.D
Acq: 21 Nov 2024 20:00

Instrument :
BNA_N
ClientSampleId :
BPOW6-9-20241119

Tgt Ion:244 Resp: 7846

Ion	Ratio	Lower	Upper
244	100		
212	10.3	7.6	11.4
122	13.0	6.1	9.1#

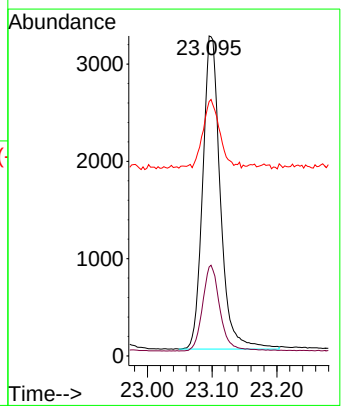




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.095 min Scan# 2786
Delta R.T. -0.009 min
Lab File: BN035230.D
Acq: 21 Nov 2024 20:00

Tgt Ion:264 Resp: 6097

Ion	Ratio	Lower	Upper
264	100		
260	27.8	20.9	31.3
265	79.5	35.4	53.2#



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/19/24
Project:	CTO WE13	Date Received:	11/20/24
Client Sample ID:	FB01-20241119	SDG No.:	P4934
Lab Sample ID:	P4934-09	Matrix:	Water
Analytical Method:	SW8270SIM	% 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035231.D	1	11/21/24 08:27	11/21/24 20:36	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.21	*	55 - 111		53%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.070	*	53 - 106		17%	SPK: 0.4
1718-51-0	Terphenyl-d14	4.71	*	58 - 132		1178%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2670	7.322				
1146-65-2	Naphthalene-d8	6150	10.073				
15067-26-2	Acenaphthene-d10	3900	13.976				
1517-22-2	Phenanthrene-d10	8030	16.746				
1719-03-5	Chrysene-d12	1050	21.008				
1520-96-3	Perylene-d12	5730	23.098				

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\BN112124\
Data File : BN035231.D
Acq On : 21 Nov 2024 20:36
Operator : RC/JU
Sample : P4934-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
FB01-20241119

Quant Time: Nov 21 23:05:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

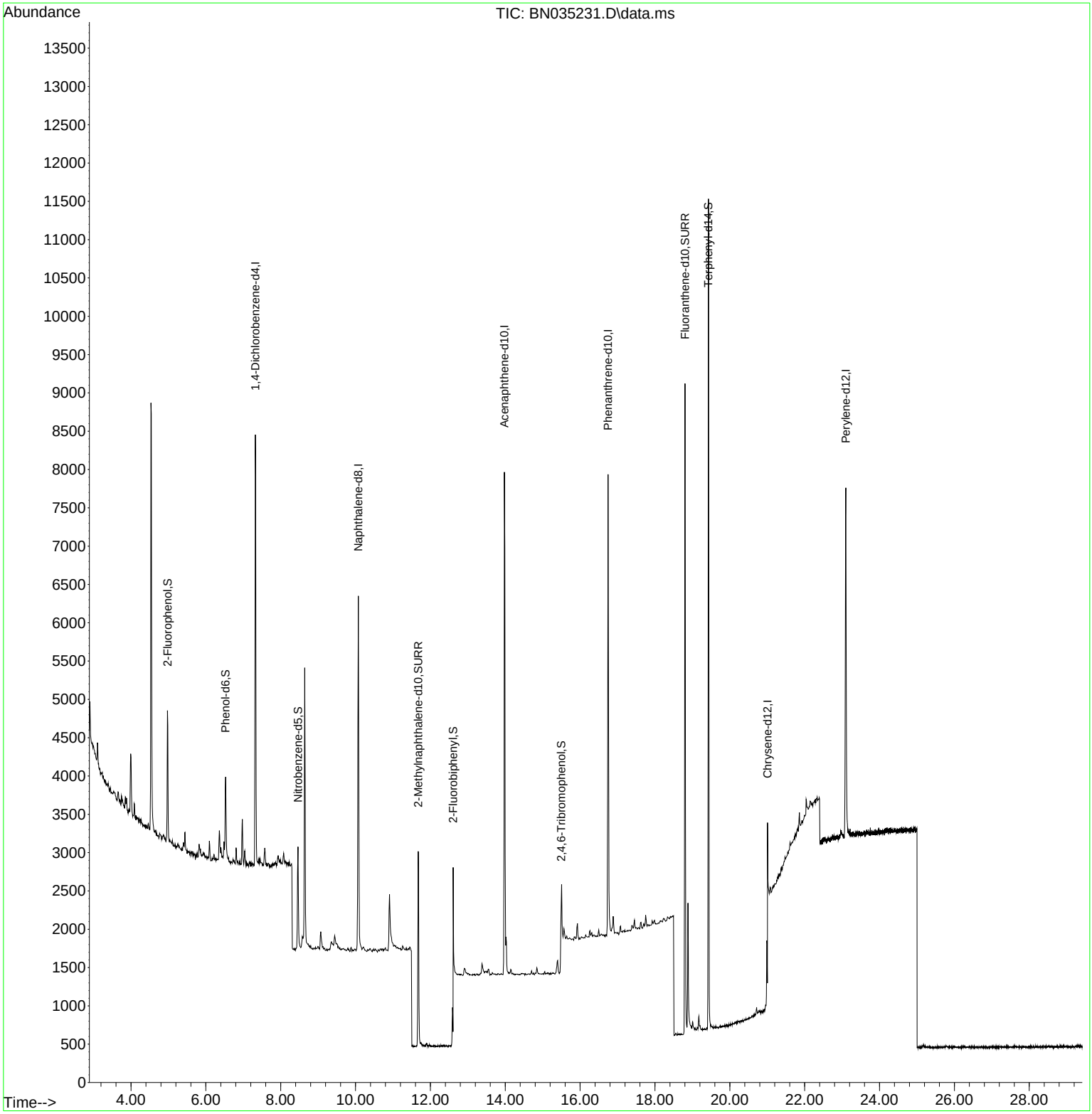
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.322	152	2669	0.400	ng	0.00
7) Naphthalene-d8	10.073	136	6148	0.400	ng	# 0.00
13) Acenaphthene-d10	13.976	164	3898	0.400	ng	-0.01
19) Phenanthrene-d10	16.746	188	8027	0.400	ng	# 0.00
29) Chrysene-d12	21.008	240	1052	0.400	ng	# 0.00
35) Perylene-d12	23.098	264	5733	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.975	112	1436	0.212	ng	0.00
5) Phenol-d6	6.528	99	1074	0.126	ng	0.00
8) Nitrobenzene-d5	8.461	82	1138	0.213	ng	0.00
11) 2-Methylnaphthalene-d10	11.674	152	3659	0.334	ng	0.00
14) 2,4,6-Tribromophenol	15.494	330	822	0.292	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	1115	0.070	ng	0.00
27) Fluoranthene-d10	18.801	212	9815	0.399	ng	0.00
31) Terphenyl-d14	19.429	244	10401	4.712	ng	0.00
Target Compounds						Qvalue

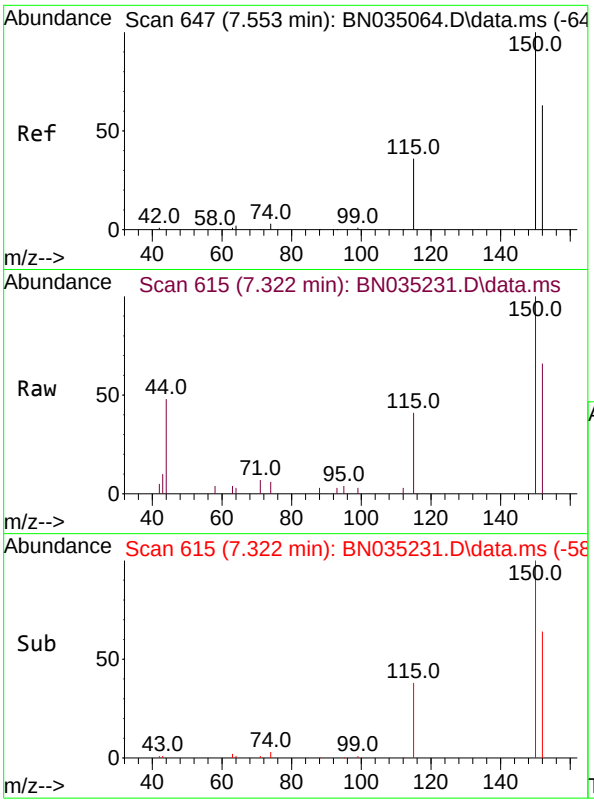
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035231.D
Acq On : 21 Nov 2024 20:36
Operator : RC/JU
Sample : P4934-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
FB01-20241119

Quant Time: Nov 21 23:05:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration



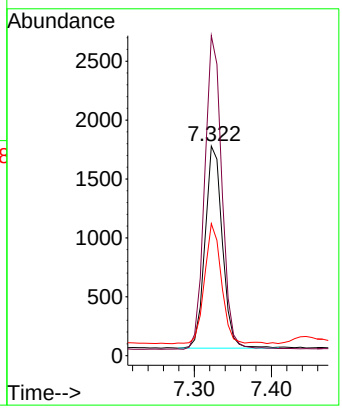


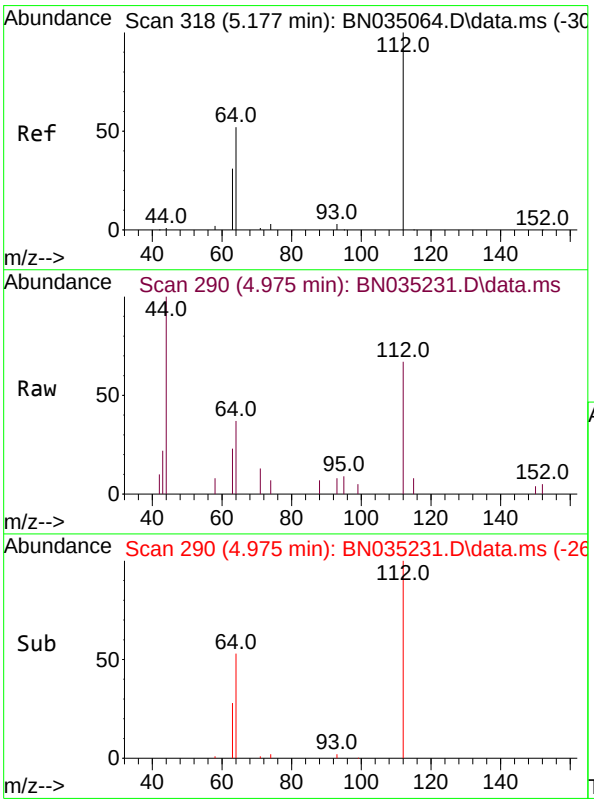
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.322 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN035231.D
Acq: 21 Nov 2024 20:36

Instrument :
BNA_N
ClientSampleId :
FB01-20241119

Tgt Ion:152 Resp: 2669

Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.5	186.7
115	62.9	47.8	71.6

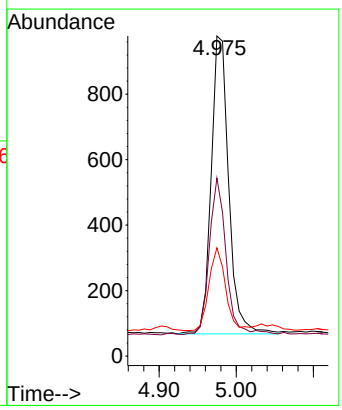


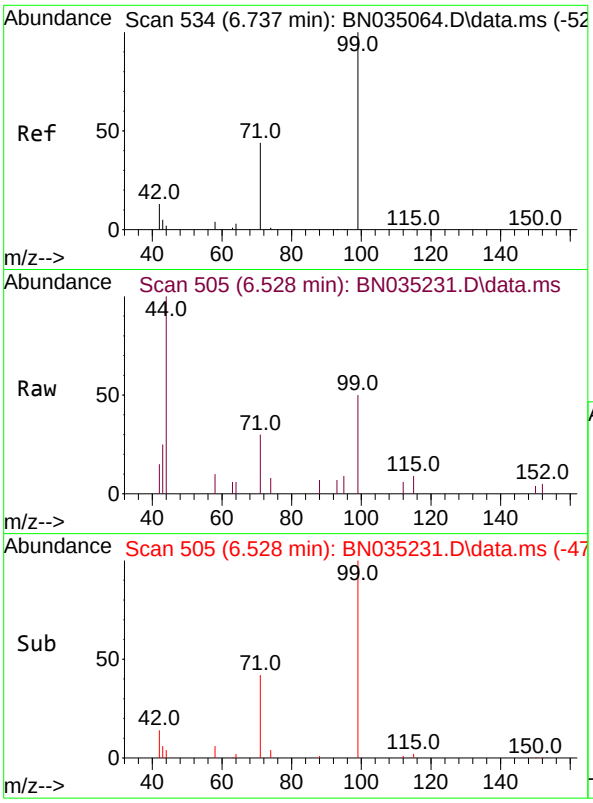


#4
2-Fluorophenol
Concen: 0.212 ng
RT: 4.975 min Scan# 290
Delta R.T. -0.007 min
Lab File: BN035231.D
Acq: 21 Nov 2024 20:36

Tgt Ion:112 Resp: 1436

Ion	Ratio	Lower	Upper
112	100		
64	50.0	39.7	59.5
63	26.7	23.0	34.4



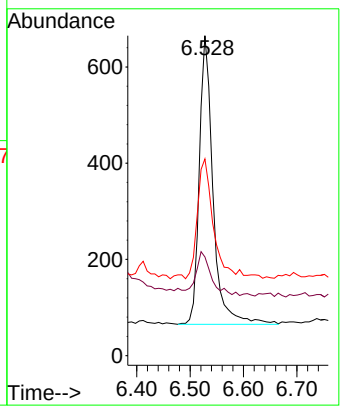


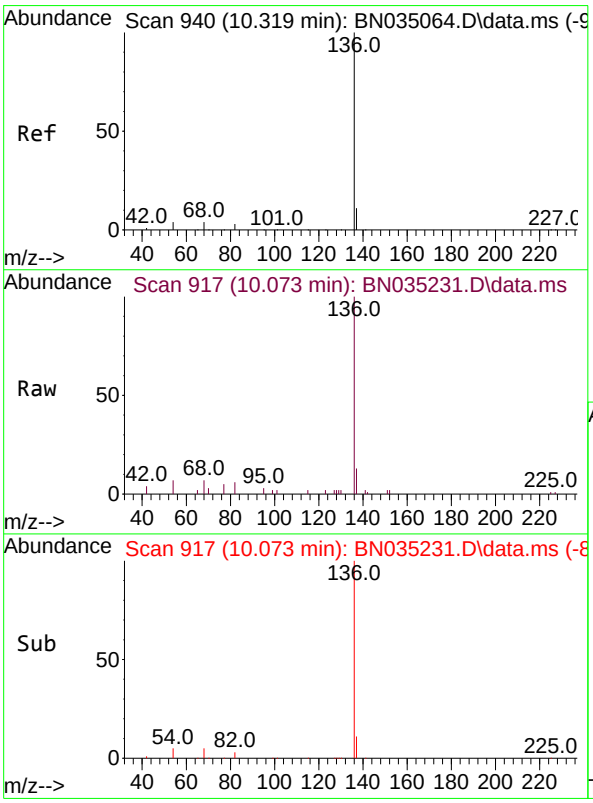
#5
Phenol-d6
Concen: 0.126 ng
RT: 6.528 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035231.D
Acq: 21 Nov 2024 20:36

Instrument :
BNA_N
ClientSampleId :
FB01-20241119

Tgt Ion: 99 Resp: 1074

Ion	Ratio	Lower	Upper
99	100		
42	17.7	11.4	17.0#
71	48.1	34.6	51.8

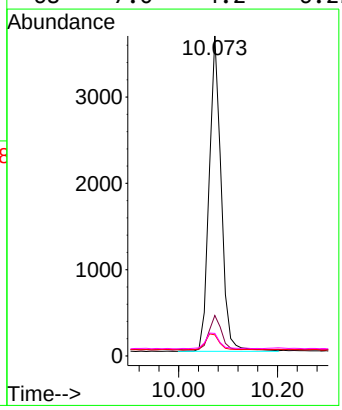


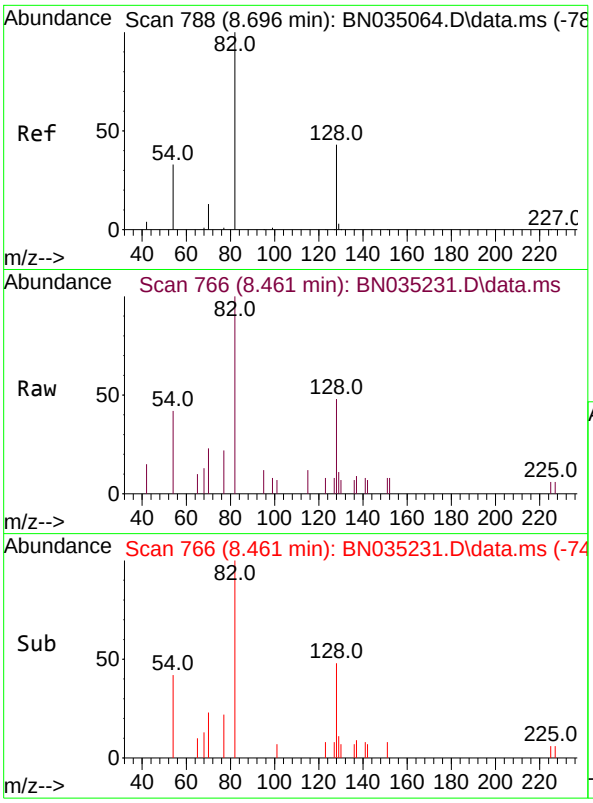


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.073 min Scan# 917
Delta R.T. -0.000 min
Lab File: BN035231.D
Acq: 21 Nov 2024 20:36

Tgt Ion:136 Resp: 6148

Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.8	14.8
54	6.6	4.0	6.0#
68	7.0	4.2	6.2#



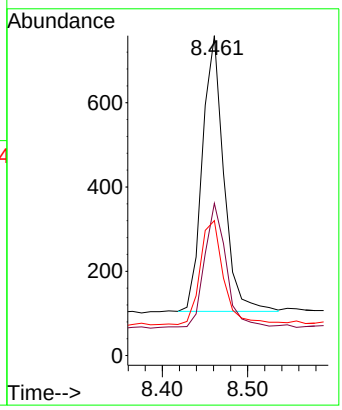


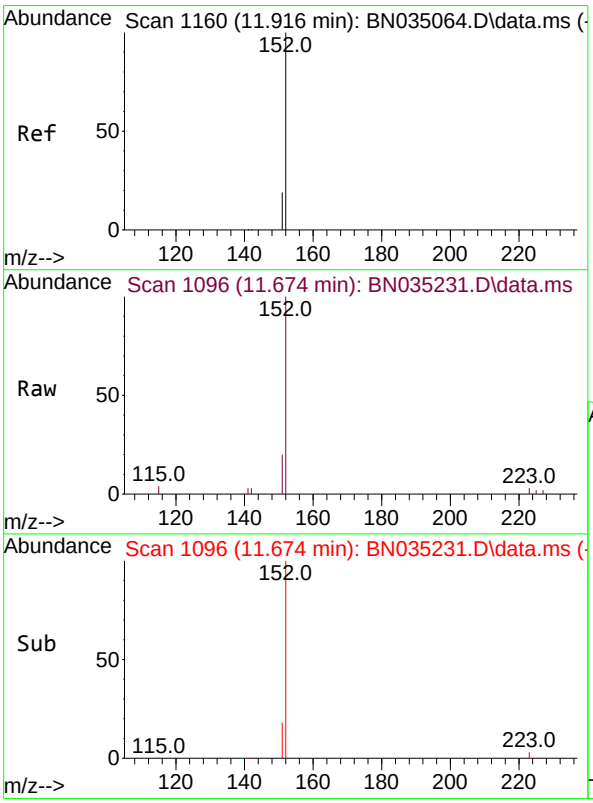
#8
Nitrobenzene-d5
Concen: 0.213 ng
RT: 8.461 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN035231.D
Acq: 21 Nov 2024 20:36

Instrument :
BNA_N
ClientSampleId :
FB01-20241119

Tgt Ion: 82 Resp: 1138

Ion	Ratio	Lower	Upper
82	100		
128	47.6	36.5	54.7
54	42.2	28.7	43.1

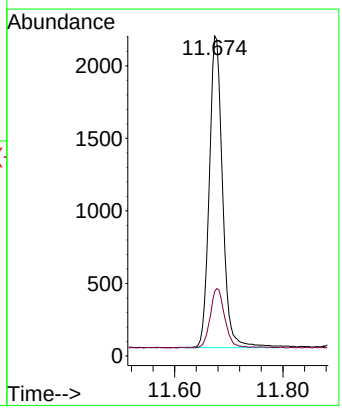


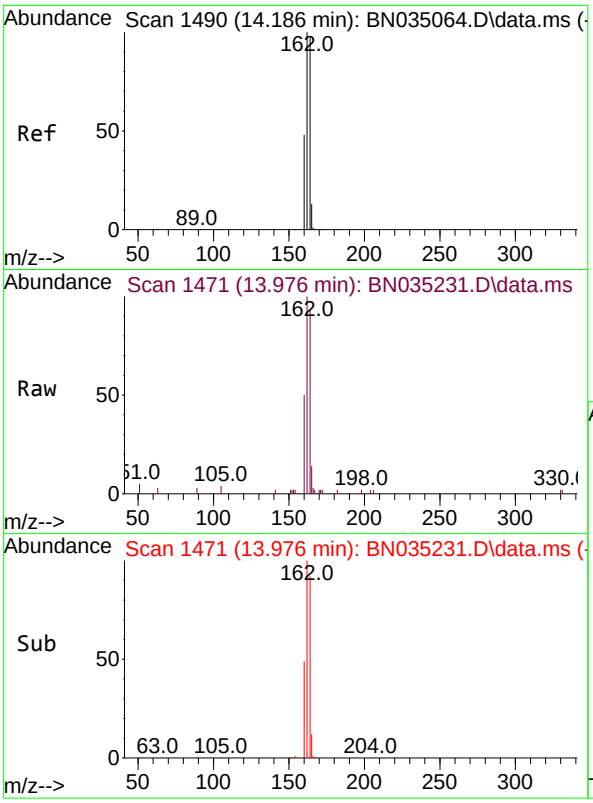


#11
2-Methylnaphthalene-d10
Concen: 0.334 ng
RT: 11.674 min Scan# 1096
Delta R.T. -0.004 min
Lab File: BN035231.D
Acq: 21 Nov 2024 20:36

Tgt Ion:152 Resp: 3659

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.4



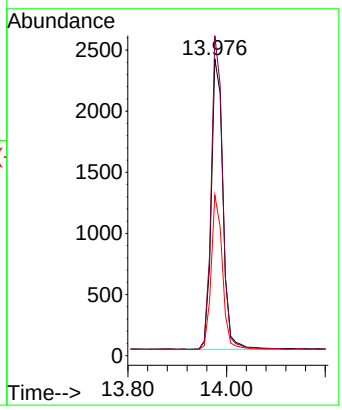


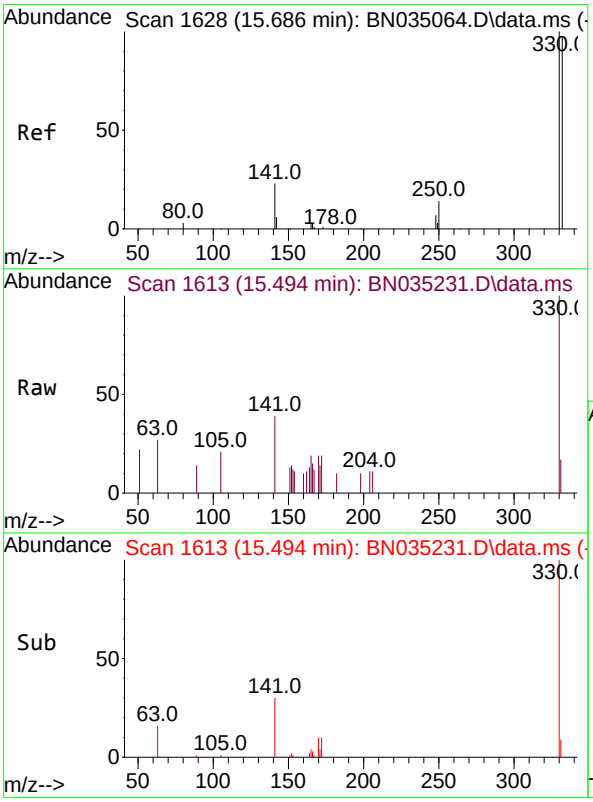
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035231.D
Acq: 21 Nov 2024 20:36

Instrument :
BNA_N
ClientSampleId :
FB01-20241119

Tgt Ion:164 Resp: 3898

Ion	Ratio	Lower	Upper
164	100		
162	107.8	82.2	123.2
160	54.1	40.2	60.4

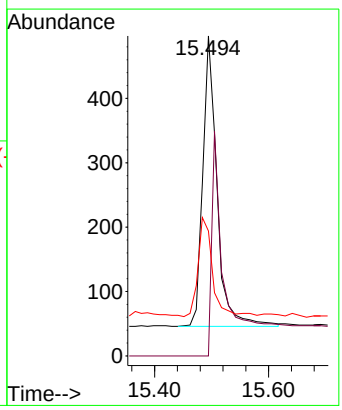


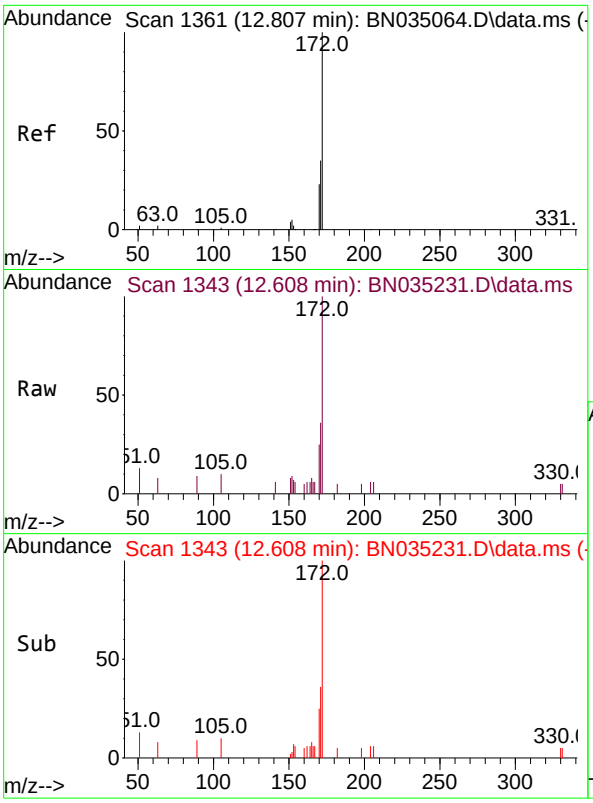


#14
2,4,6-Tribromophenol
Concen: 0.292 ng
RT: 15.494 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN035231.D
Acq: 21 Nov 2024 20:36

Tgt Ion:330 Resp: 822

Ion	Ratio	Lower	Upper
330	100		
332	86.3	76.9	115.3
141	0.0	29.6	44.4#



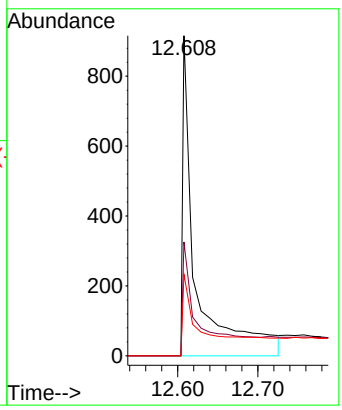


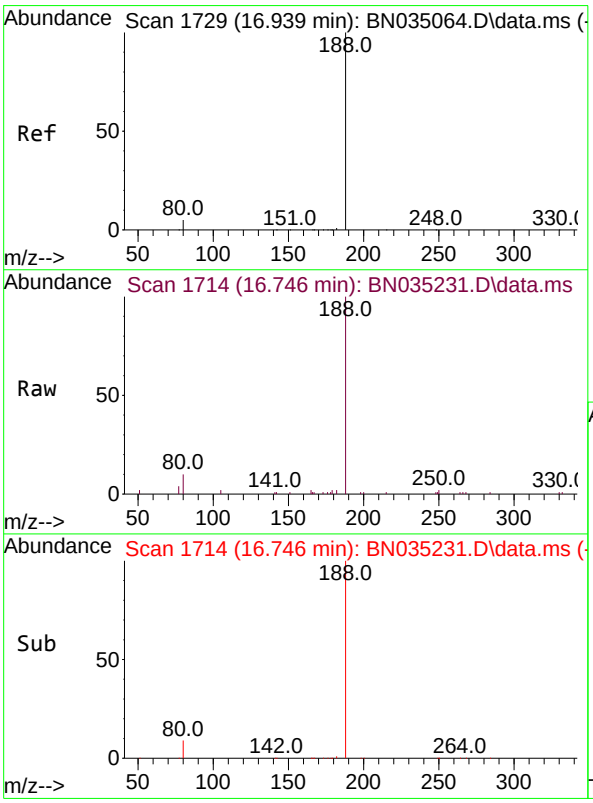
#15
2-Fluorobiphenyl
Concen: 0.070 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035231.D
Acq: 21 Nov 2024 20:36

Instrument :
BNA_N
ClientSampleId :
FB01-20241119

Tgt Ion:172 Resp: 1115

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.4
170	25.4	19.0	28.6

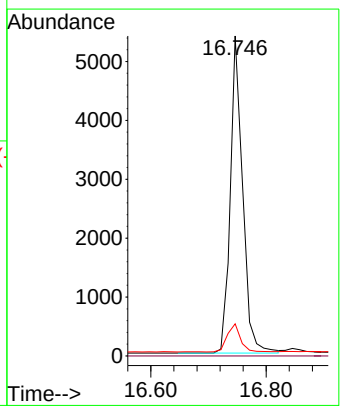


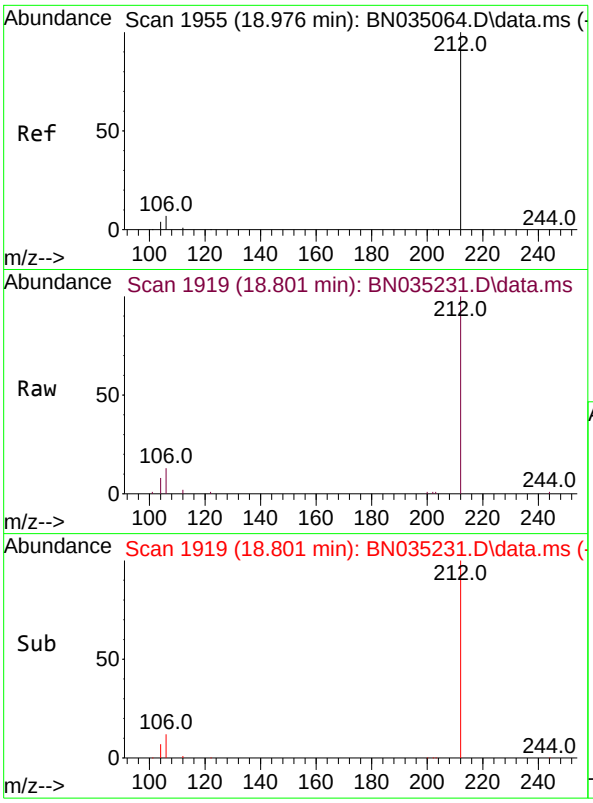


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.746 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN035231.D
Acq: 21 Nov 2024 20:36

Tgt Ion:188 Resp: 8027

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.0	4.3	6.5#



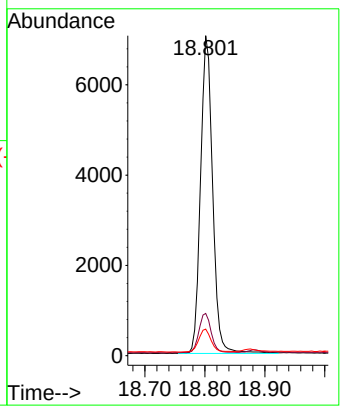


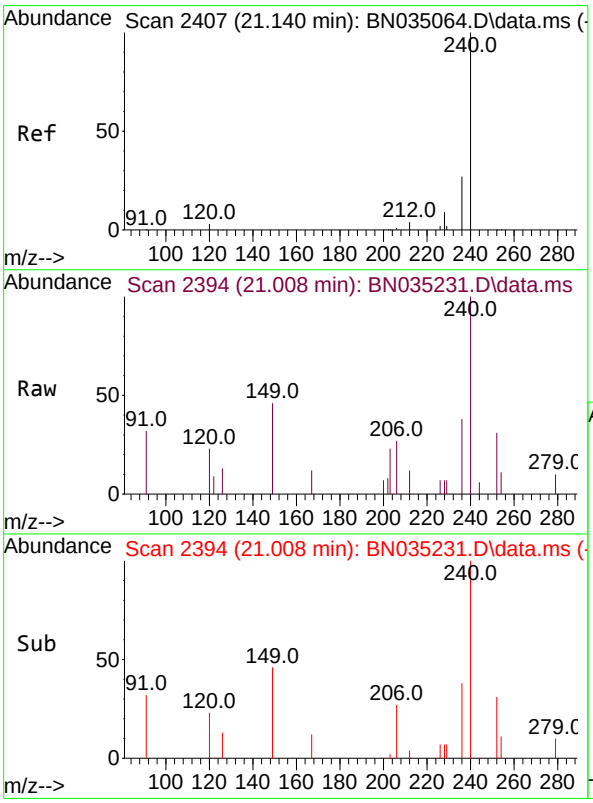
#27
Fluoranthene-d10
Concen: 0.399 ng
RT: 18.801 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035231.D
Acq: 21 Nov 2024 20:36

Instrument :
BNA_N
ClientSampleId :
FB01-20241119

Tgt Ion:212 Resp: 9815

Ion	Ratio	Lower	Upper
212	100		
106	12.5	6.0	9.0#
104	7.4	3.5	5.3#

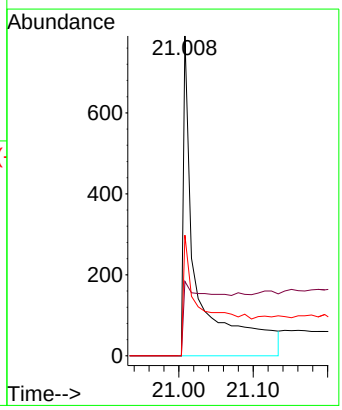


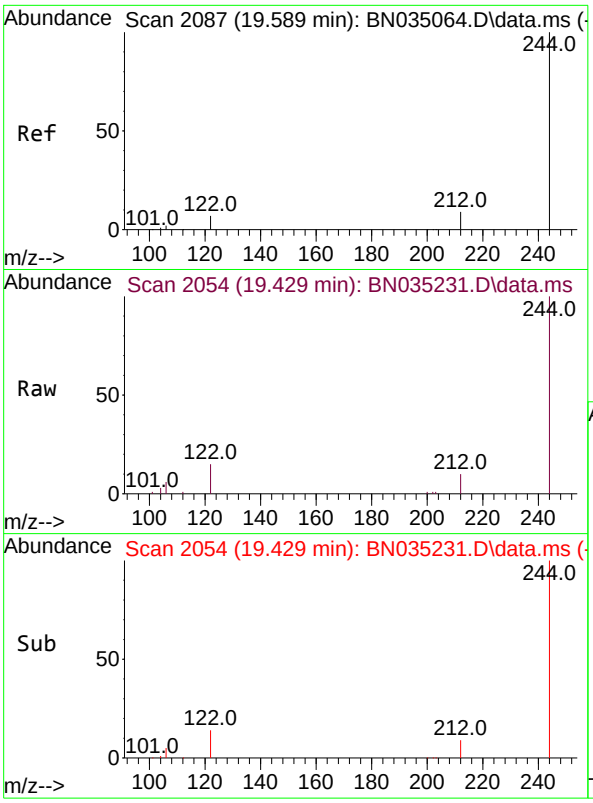


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN035231.D
Acq: 21 Nov 2024 20:36

Tgt Ion:240 Resp: 1052

Ion	Ratio	Lower	Upper
240	100		
120	23.3	3.8	5.6#
236	37.7	22.2	33.2#



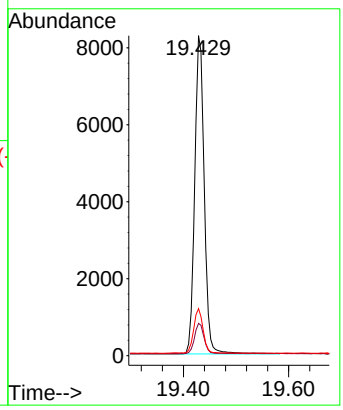


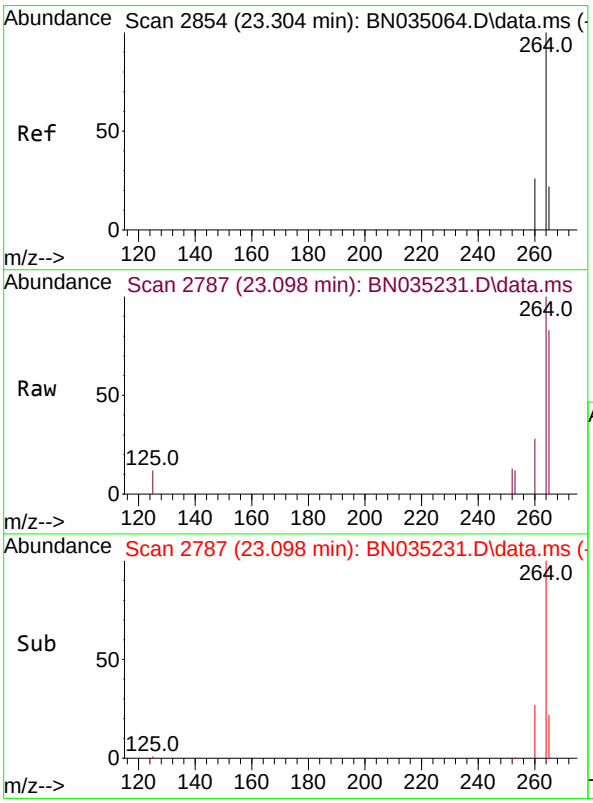
#31
Terphenyl-d14
Concen: 4.712 ng
RT: 19.429 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035231.D
Acq: 21 Nov 2024 20:36

Instrument :
BNA_N
ClientSampleId :
FB01-20241119

Tgt Ion:244 Resp: 10401

Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.6	11.4
122	14.7	6.1	9.1#

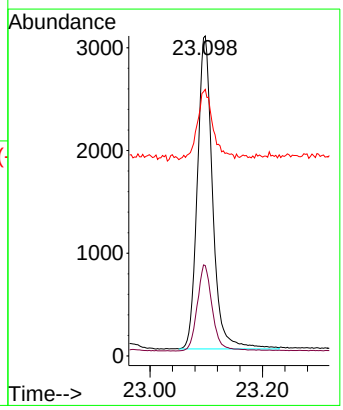




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.098 min Scan# 2787
Delta R.T. -0.006 min
Lab File: BN035231.D
Acq: 21 Nov 2024 20:36

Tgt Ion:264 Resp: 5733

Ion	Ratio	Lower	Upper
264	100		
260	28.3	20.9	31.3
265	83.3	35.4	53.2#



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/19/24
Project:	CTO WE13	Date Received:	11/20/24
Client Sample ID:	BPOW6-8-20241119	SDG No.:	P4934
Lab Sample ID:	P4934-10	Matrix:	Water
Analytical Method:	SW8270SIM	% 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035233.D	1	11/21/24 08:27	11/21/24 21:49	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.19	*	55 - 111		48%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.083	*	53 - 106		21%	SPK: 0.4
1718-51-0	Terphenyl-d14	3.68	*	58 - 132		919%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2750	7.322				
1146-65-2	Naphthalene-d8	6710	10.073				
15067-26-2	Acenaphthene-d10	4350	13.983				
1517-22-2	Phenanthrene-d10	9380	16.753				
1719-03-5	Chrysene-d12	1390	21.006				
1520-96-3	Perylene-d12	5770	23.096				

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\BN112124\
Data File : BN035233.D
Acq On : 21 Nov 2024 21:49
Operator : RC/JU
Sample : P4934-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 23:06:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.322	152	2753	0.400	ng	0.00
7) Naphthalene-d8	10.073	136	6705	0.400	ng	# 0.00
13) Acenaphthene-d10	13.983	164	4351	0.400	ng	0.00
19) Phenanthrene-d10	16.753	188	9377	0.400	ng	# 0.00
29) Chrysene-d12	21.006	240	1394	0.400	ng	# 0.00
35) Perylene-d12	23.096	264	5766	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.975	112	841	0.120	ng	0.00
5) Phenol-d6	6.528	99	609	0.069	ng	0.00
8) Nitrobenzene-d5	8.461	82	1114m	0.191	ng	0.00
11) 2-Methylnaphthalene-d10	11.674	152	3417	0.286	ng	0.00
14) 2,4,6-Tribromophenol	15.491	330	728	0.232	ng	0.00
15) 2-Fluorobiphenyl	12.604	172	1463	0.083	ng	0.00
27) Fluoranthene-d10	18.799	212	9717	0.338	ng	0.00
31) Terphenyl-d14	19.431	244	10756	3.677	ng	0.00
Target Compounds						Qvalue
30) Pyrene	19.199	202	259	0.056	ng	# 94

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

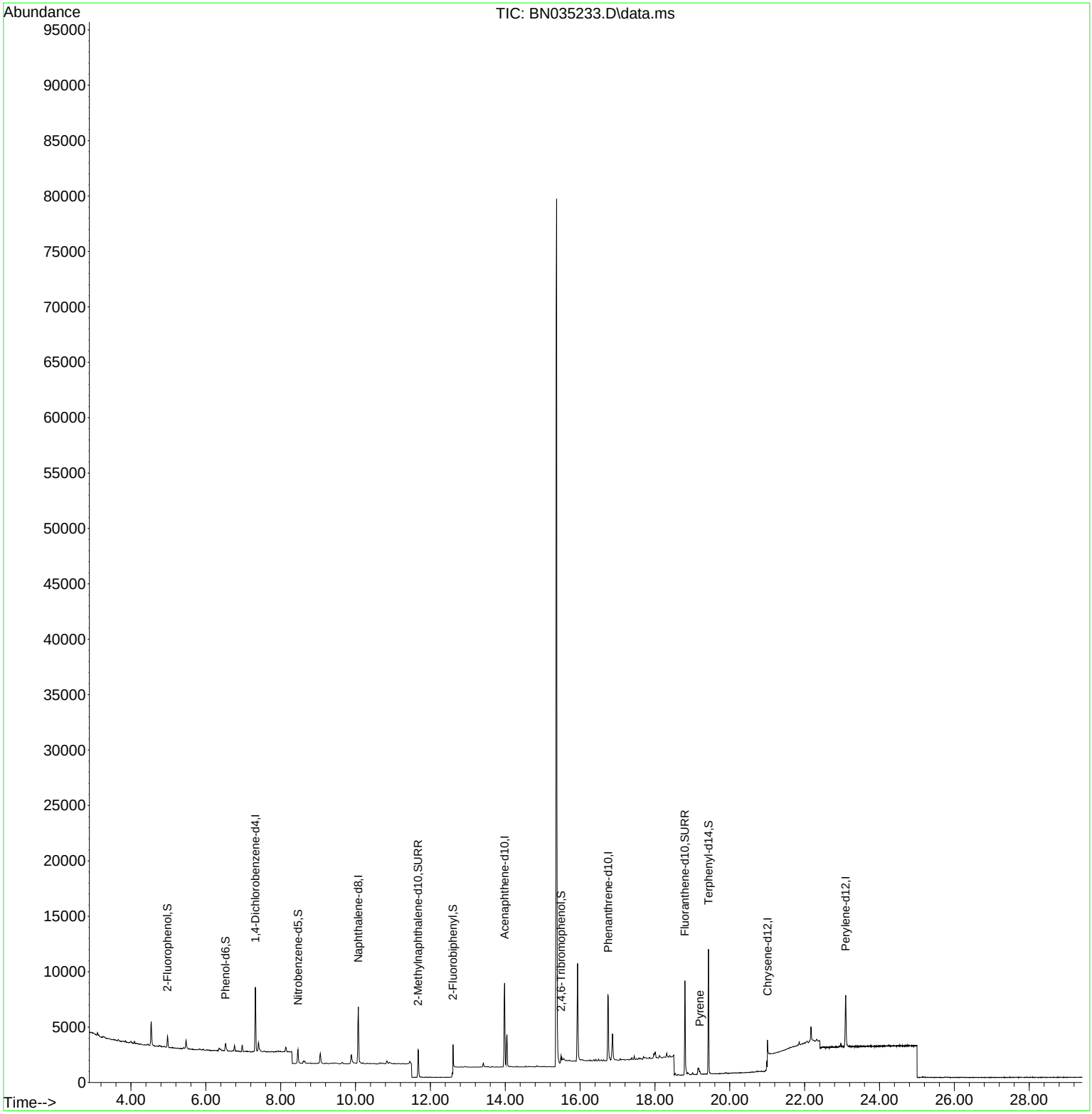
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035233.D
Acq On : 21 Nov 2024 21:49
Operator : RC/JU
Sample : P4934-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

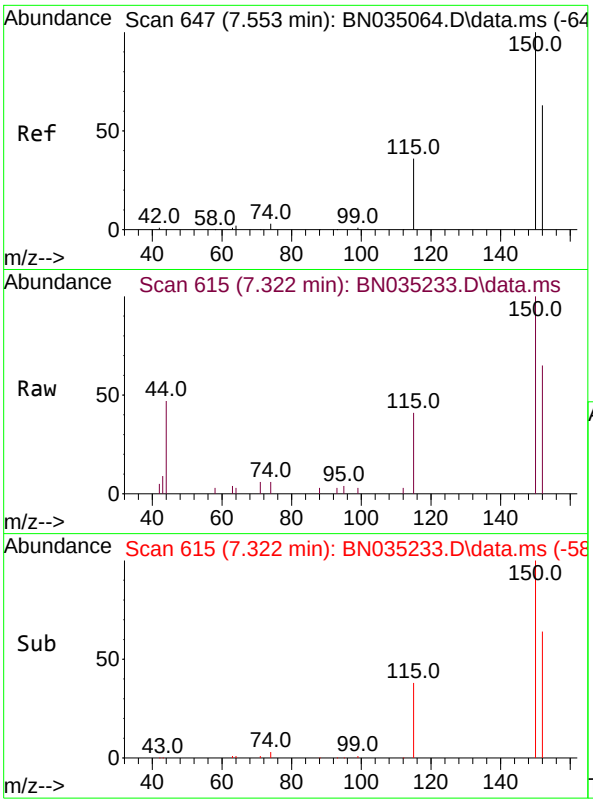
Quant Time: Nov 21 23:06:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

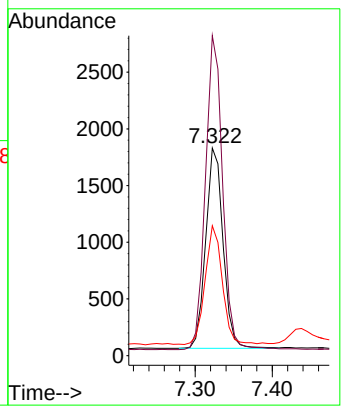




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.322 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion:152 Resp: 275

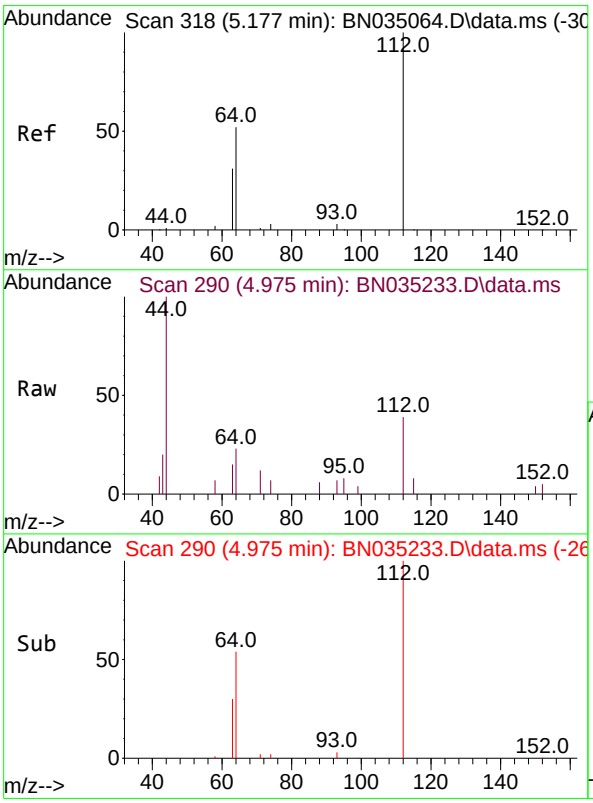
Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.5	186.7
115	62.5	47.8	71.6



Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Manual Integrations
APPROVED

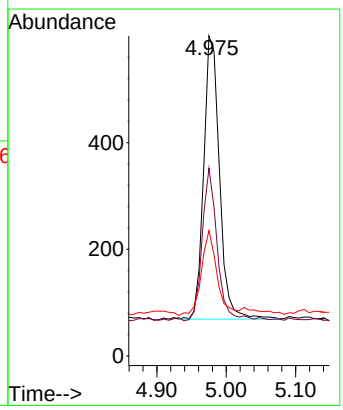
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

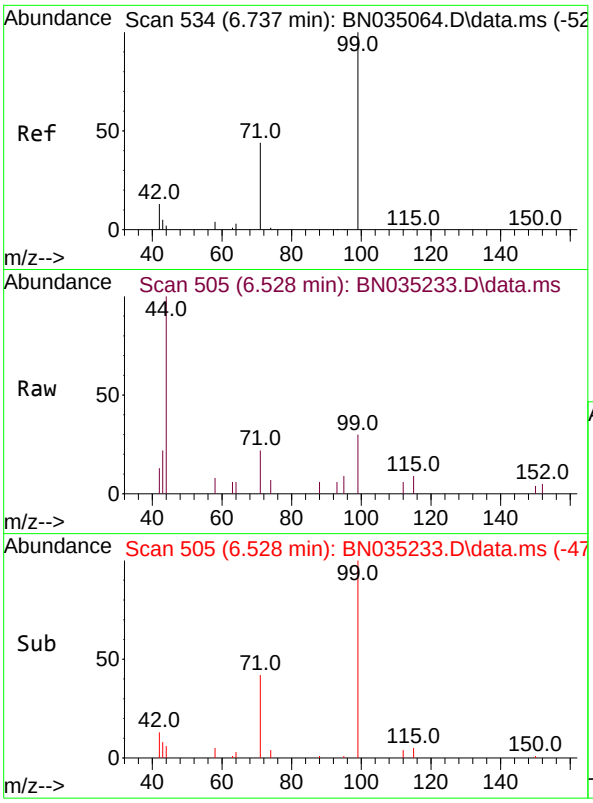


#4
2-Fluorophenol
Concen: 0.120 ng
RT: 4.975 min Scan# 290
Delta R.T. -0.007 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion:112 Resp: 841

Ion	Ratio	Lower	Upper
112	100		
64	51.7	39.7	59.5
63	29.6	23.0	34.4

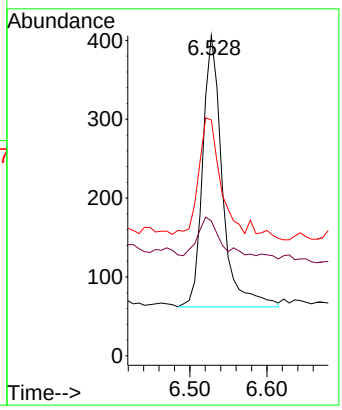




#5
Phenol-d6
Concen: 0.069 ng
RT: 6.528 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion: 99 Resp: 60

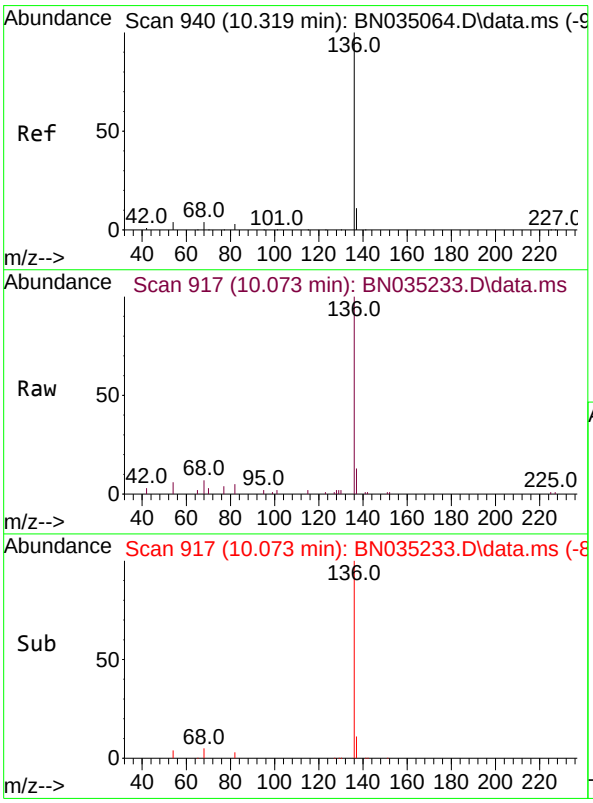
Ion	Ratio	Lower	Upper
99	100		
42	15.3	11.4	17.0
71	45.8	34.6	51.8



Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Manual Integrations
APPROVED

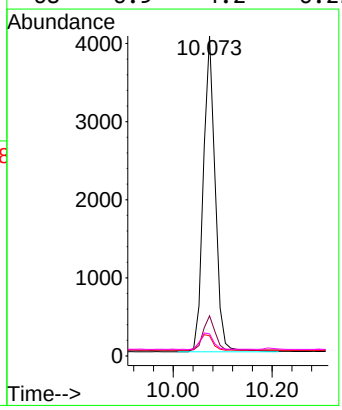
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

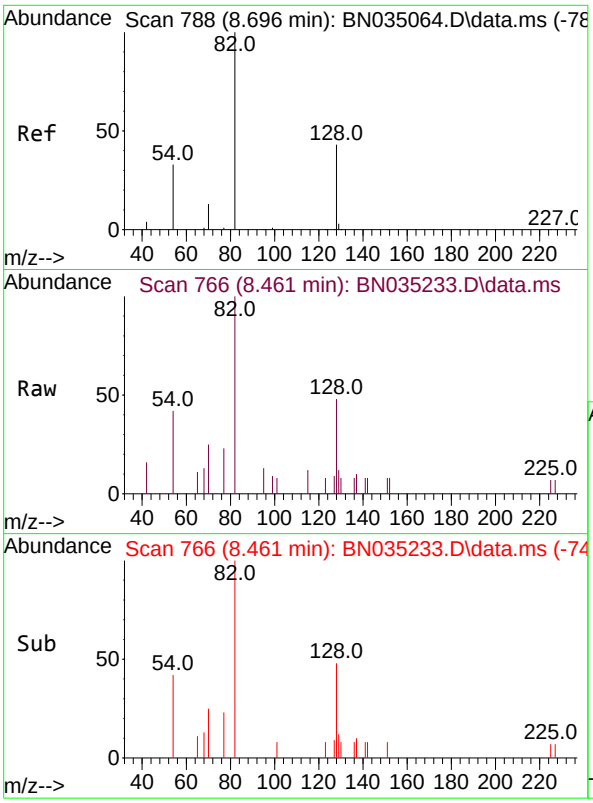


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.073 min Scan# 917
Delta R.T. 0.000 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion:136 Resp: 6705

Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.8	14.8
54	6.3	4.0	6.0#
68	6.9	4.2	6.2#

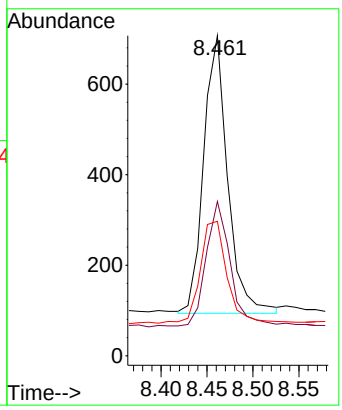




#8
Nitrobenzene-d5
Concen: 0.191 ng m
RT: 8.461 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion: 82 Resp: 111

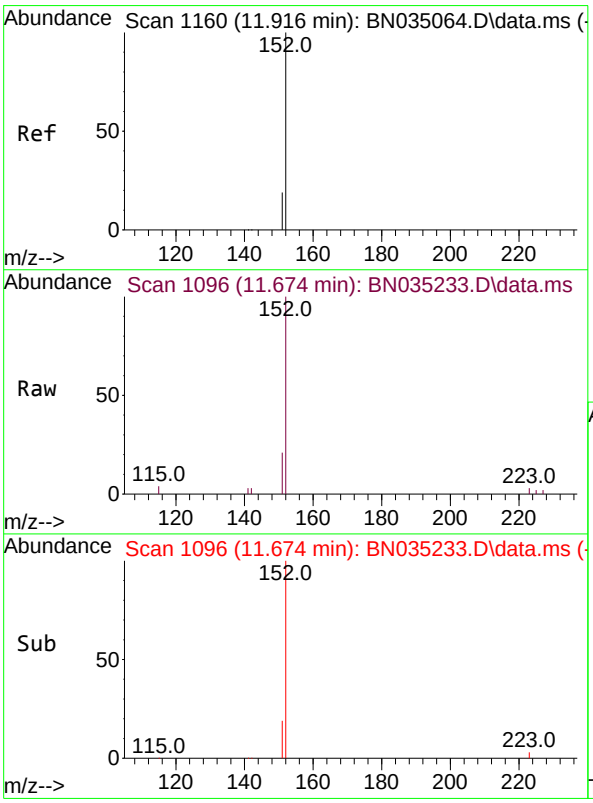
Ion	Ratio	Lower	Upper
82	100		
128	48.2	36.5	54.7
54	42.0	28.7	43.1



Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Manual Integrations
APPROVED

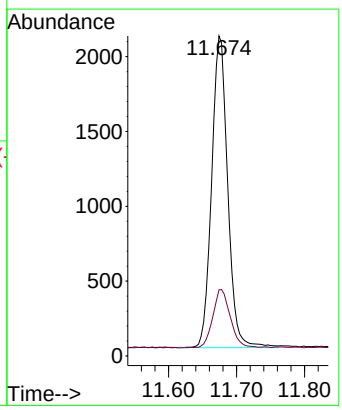
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

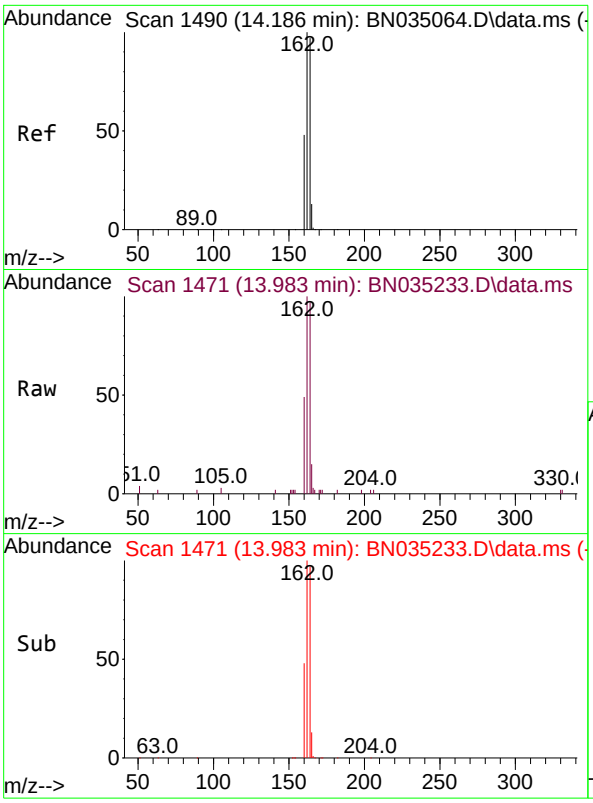


#11
2-Methylnaphthalene-d10
Concen: 0.286 ng
RT: 11.674 min Scan# 1096
Delta R.T. -0.004 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion:152 Resp: 3417

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.983 min Scan# 14
Delta R.T. -0.004 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

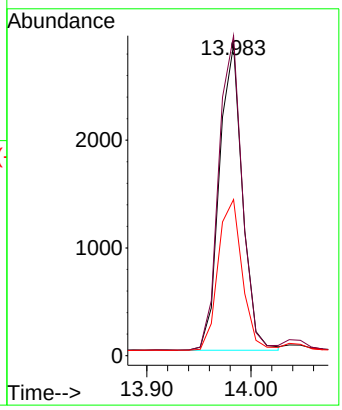
Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

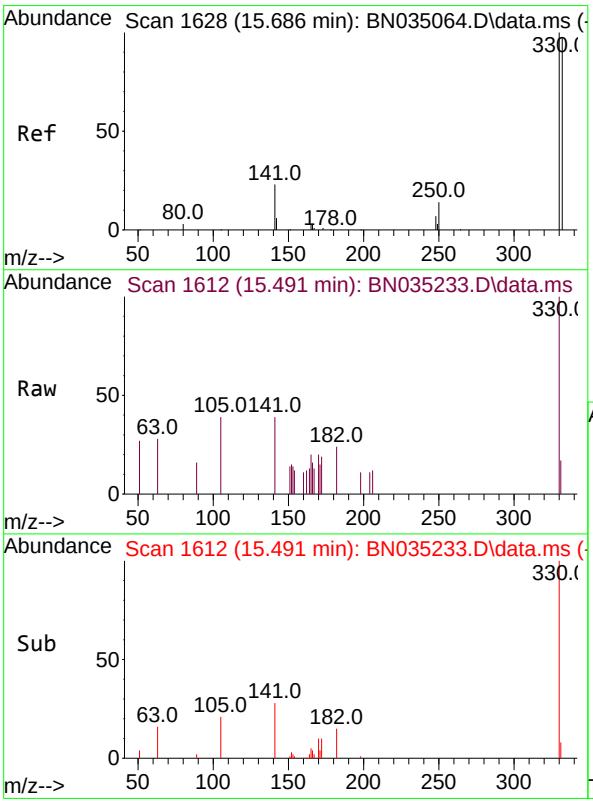
Tgt Ion:164 Resp: 435

Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.2	123.2
160	50.2	40.2	60.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

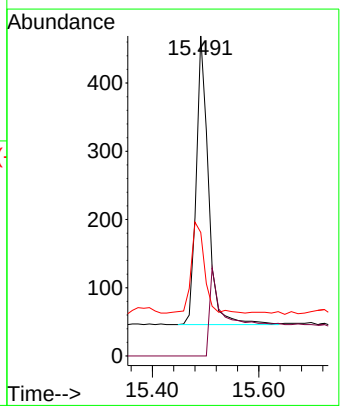


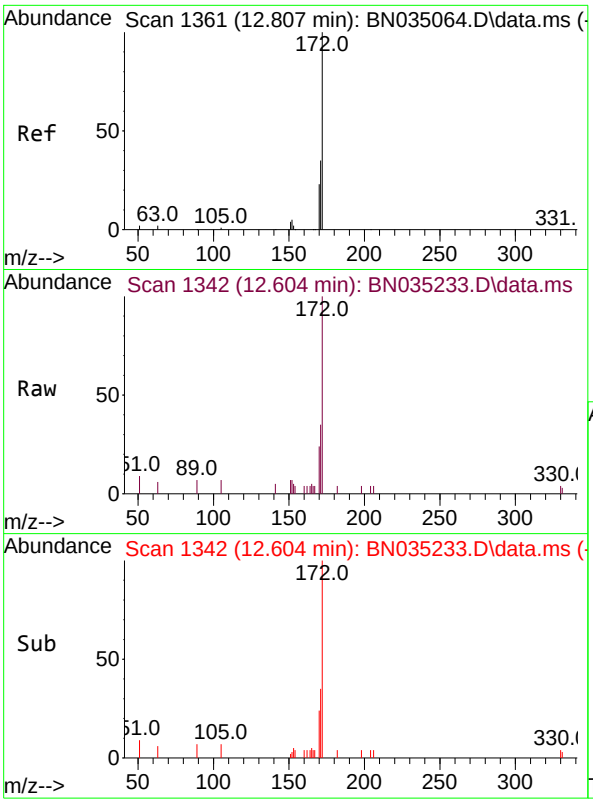


#14
2,4,6-Tribromophenol
Concen: 0.232 ng
RT: 15.491 min Scan# 1612
Delta R.T. -0.004 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion:330 Resp: 728

Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.9	115.3#
141	34.3	29.6	44.4





#15
2-Fluorobiphenyl
Concen: 0.083 ng
RT: 12.604 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

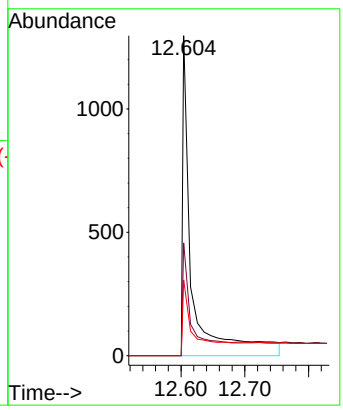
Tgt Ion:172 Resp: 146

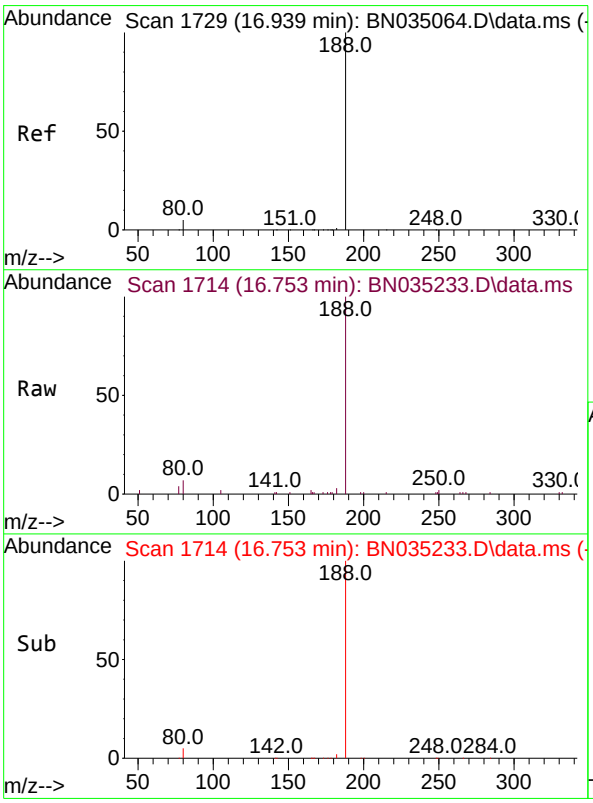
Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.4
170	23.7	19.0	28.6

Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

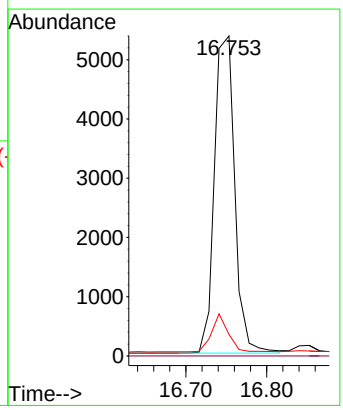


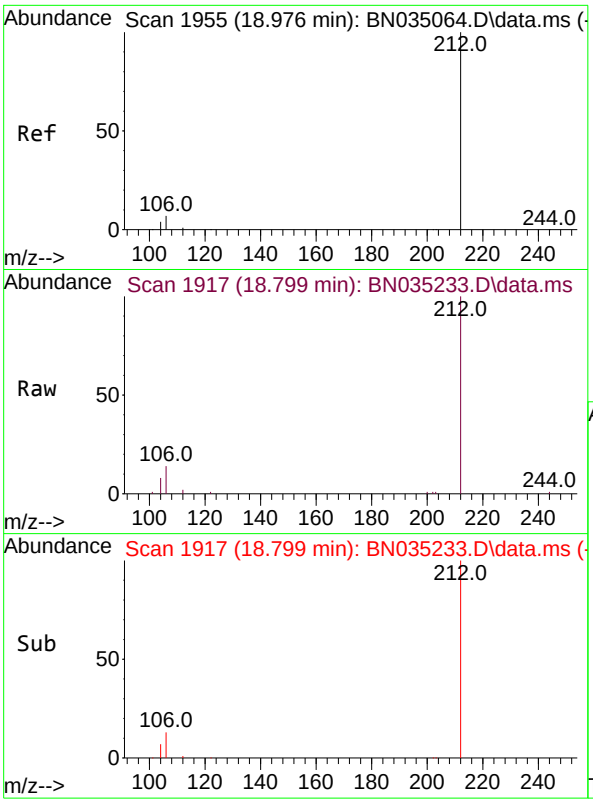


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.753 min Scan# 1714
Delta R.T. 0.007 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion:188 Resp: 9377

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.7	4.3	6.5#

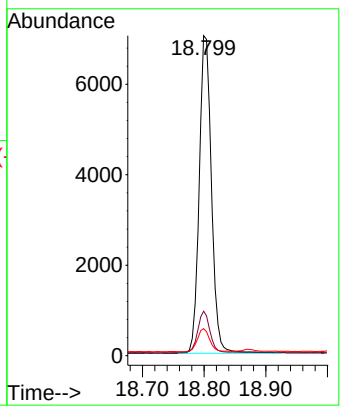




#27
Fluoranthene-d10
Concen: 0.338 ng
RT: 18.799 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion:212 Resp: 971

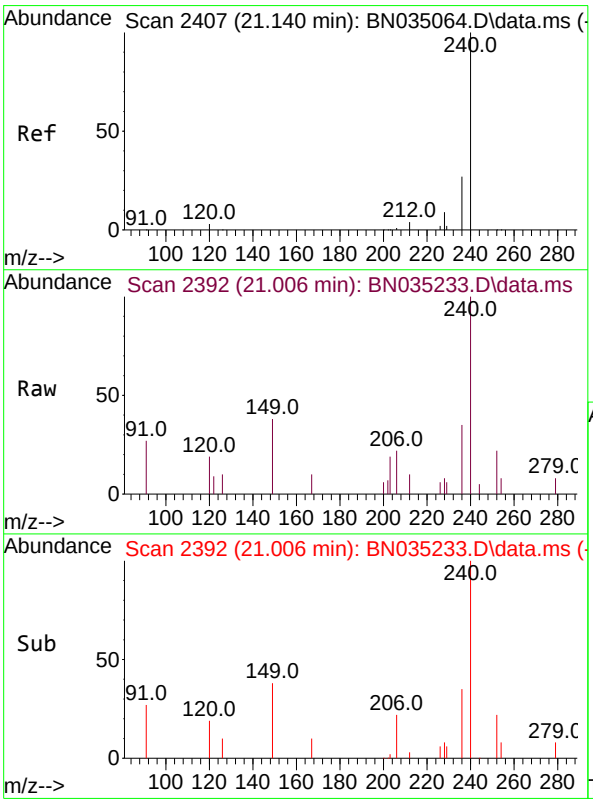
Ion	Ratio	Lower	Upper
212	100		
106	12.6	6.0	9.0#
104	7.3	3.5	5.3#



Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Manual Integrations
APPROVED

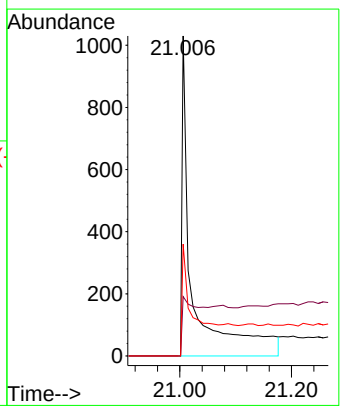
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

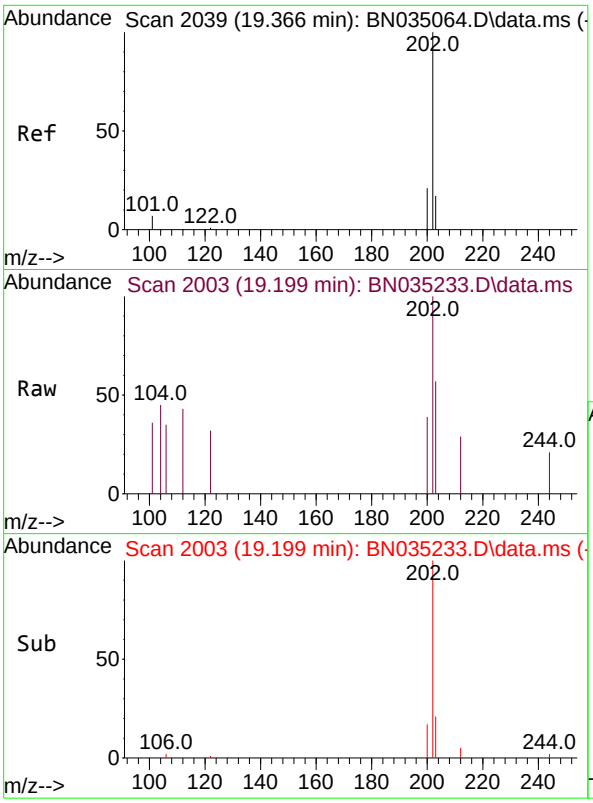


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.006 min Scan# 2392
Delta R.T. -0.002 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion:240 Resp: 1394

Ion	Ratio	Lower	Upper
240	100		
120	18.5	3.8	5.6#
236	35.0	22.2	33.2#

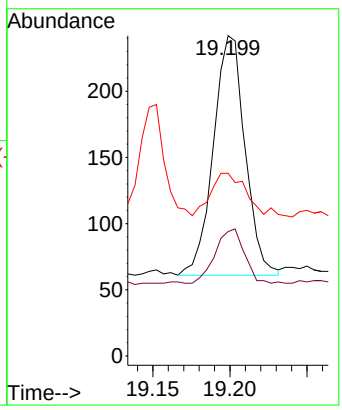




#30
Pyrene
Concen: 0.056 ng
RT: 19.199 min Scan# 2
Delta R.T. -0.007 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion:202 Resp: 25

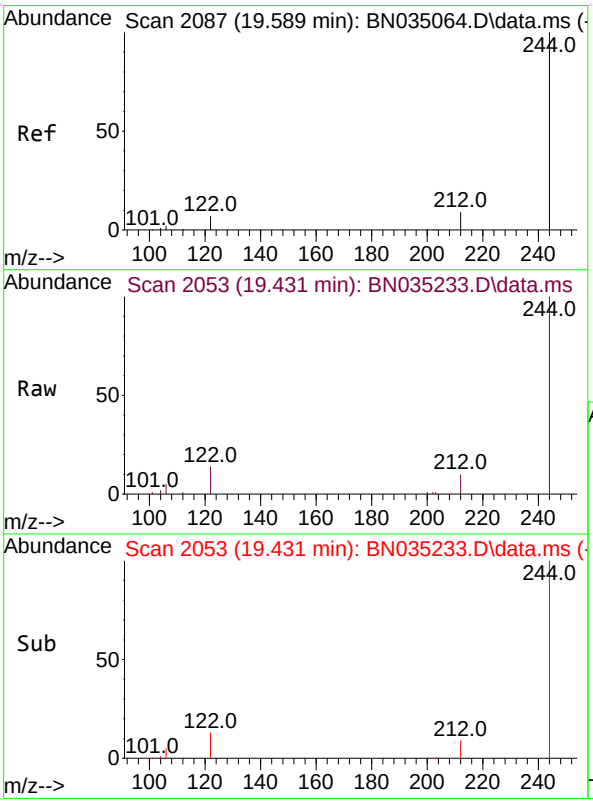
Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	23.9	14.2	21.4#



Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Manual Integrations
APPROVED

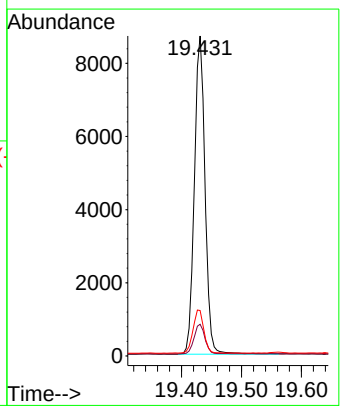
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

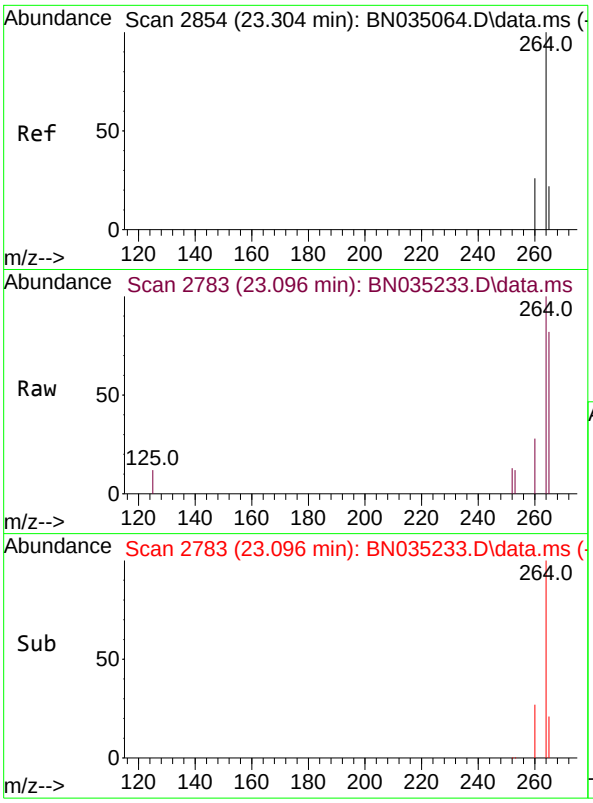


#31
Terphenyl-d14
Concen: 3.677 ng
RT: 19.431 min Scan# 2053
Delta R.T. -0.007 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion:244 Resp: 10756

Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.6	11.4
122	14.2	6.1	9.1#

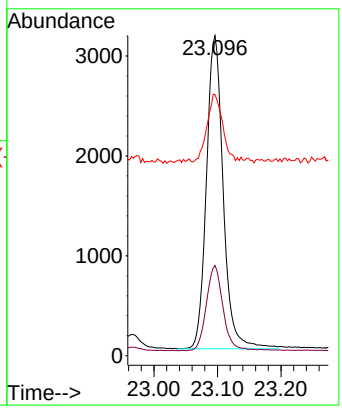




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.096 min Scan# 2
Delta R.T. -0.008 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion:264 Resp: 576

Ion	Ratio	Lower	Upper
264	100		
260	28.2	20.9	31.3
265	81.6	35.4	53.2#



Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/19/24
Project:	CTO WE13	Date Received:	11/20/24
Client Sample ID:	RB01-20241119	SDG No.:	P4934
Lab Sample ID:	P4934-11	Matrix:	Water
Analytical Method:	SW8270SIM	% 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035232.D	1	11/21/24 08:27	11/21/24 21:12	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.29		30 - 150		72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.20	*	55 - 111		49%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.063	*	53 - 106		16%	SPK: 0.4
1718-51-0	Terphenyl-d14	4.19	*	58 - 132		1048%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2950	7.322				
1146-65-2	Naphthalene-d8	7120	10.073				
15067-26-2	Acenaphthene-d10	4660	13.976				
1517-22-2	Phenanthrene-d10	9460	16.746				
1719-03-5	Chrysene-d12	1180	21.008				
1520-96-3	Perylene-d12	6120	23.095				

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\BN112124\
Data File : BN035232.D
Acq On : 21 Nov 2024 21:12
Operator : RC/JU
Sample : P4934-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RB01-20241119

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 23:06:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.322	152	2945	0.400	ng	0.00
7) Naphthalene-d8	10.073	136	7124	0.400	ng	# 0.00
13) Acenaphthene-d10	13.976	164	4659	0.400	ng	-0.01
19) Phenanthrene-d10	16.746	188	9464	0.400	ng	# 0.00
29) Chrysene-d12	21.008	240	1183	0.400	ng	# 0.00
35) Perylene-d12	23.095	264	6123	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.975	112	880	0.118	ng	0.00
5) Phenol-d6	6.528	99	602	0.064	ng	0.00
8) Nitrobenzene-d5	8.461	82	1221m	0.197	ng	0.00
11) 2-Methylnaphthalene-d10	11.674	152	3635	0.286	ng	0.00
14) 2,4,6-Tribromophenol	15.494	330	812	0.242	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	1183	0.063	ng	0.00
27) Fluoranthene-d10	18.801	212	10201	0.352	ng	0.00
31) Terphenyl-d14	19.429	244	10405	4.192	ng	0.00
Target Compounds						Qvalue

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

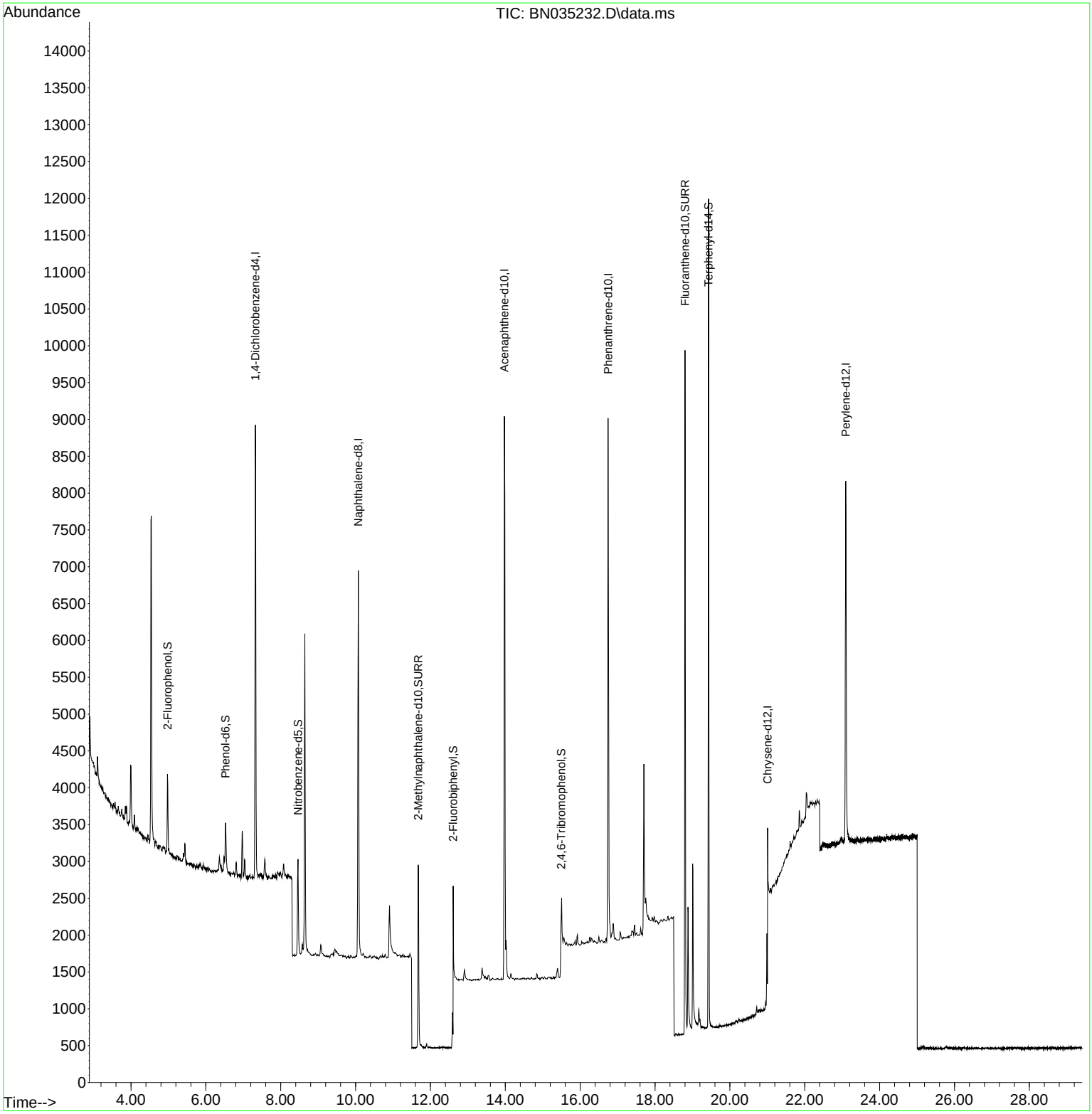
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035232.D
Acq On : 21 Nov 2024 21:12
Operator : RC/JU
Sample : P4934-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

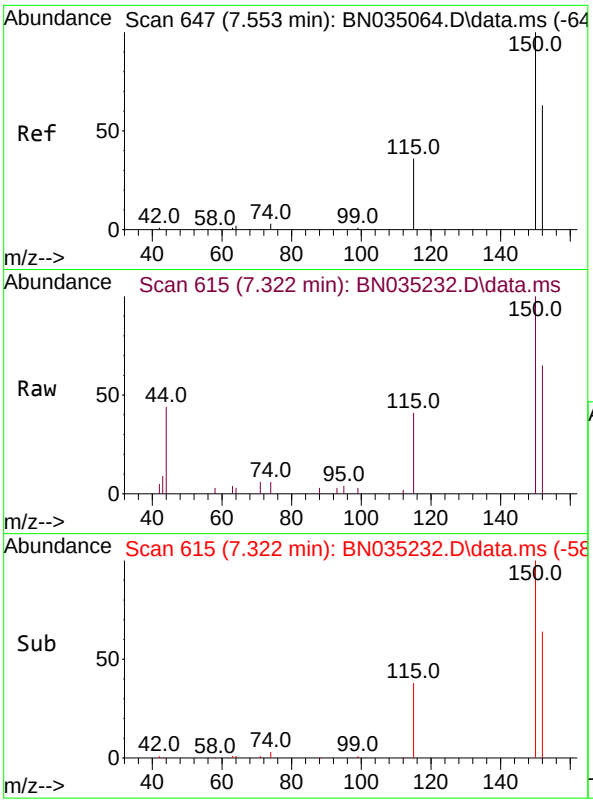
Quant Time: Nov 21 23:06:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
RB01-20241119

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

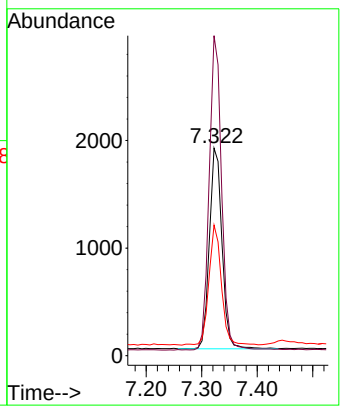




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.322 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion:152 Resp: 294

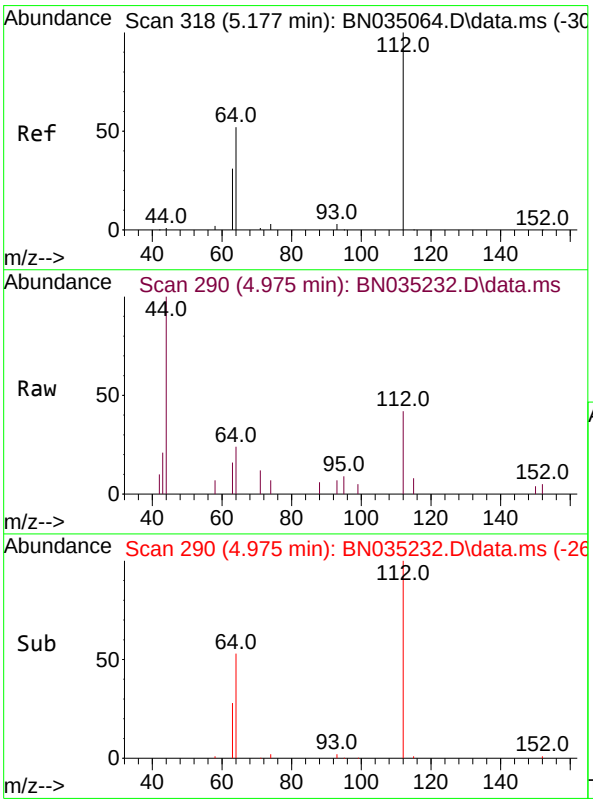
Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.5	186.7
115	62.9	47.8	71.6



Instrument :
BNA_N
ClientSampleId :
RB01-20241119

Manual Integrations
APPROVED

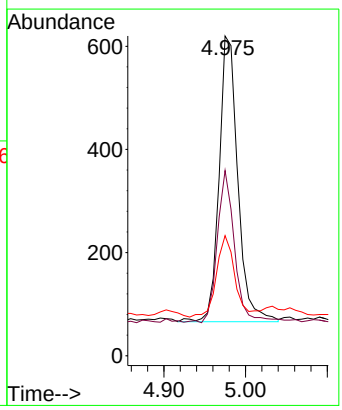
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

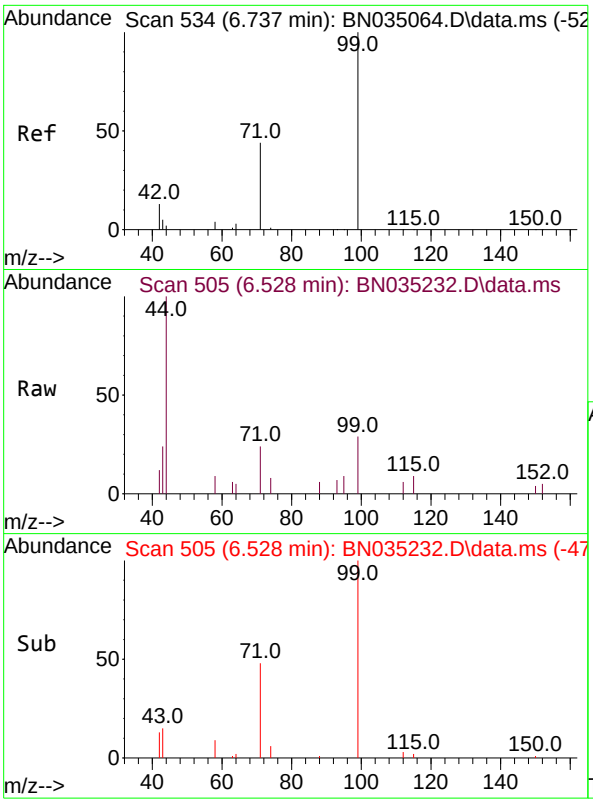


#4
2-Fluorophenol
Concen: 0.118 ng
RT: 4.975 min Scan# 290
Delta R.T. -0.007 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion:112 Resp: 880

Ion	Ratio	Lower	Upper
112	100		
64	48.5	39.7	59.5
63	28.0	23.0	34.4

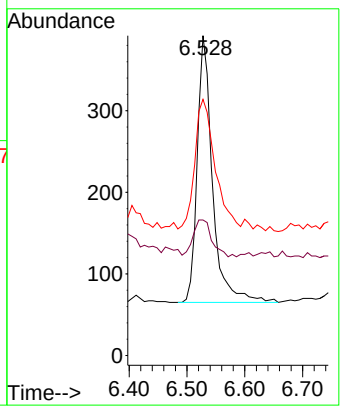




#5
Phenol-d6
Concen: 0.064 ng
RT: 6.528 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion: 99 Resp: 60

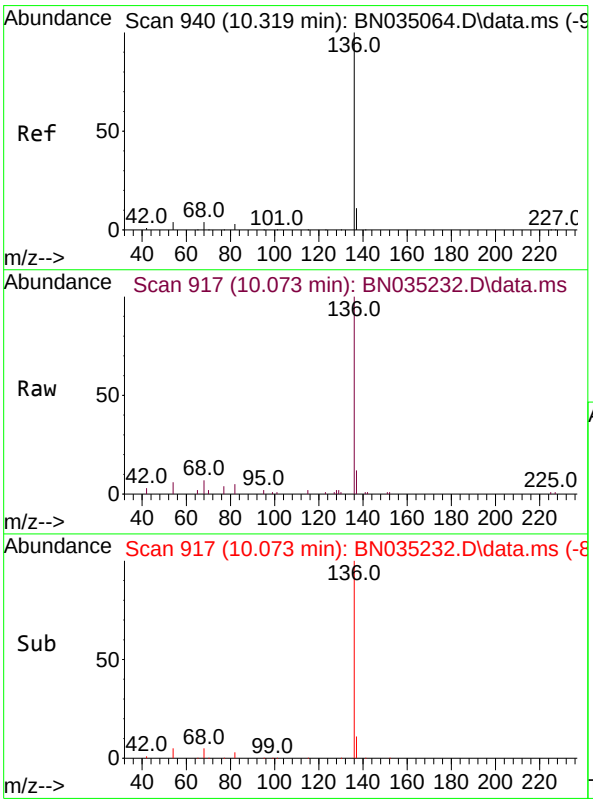
Ion	Ratio	Lower	Upper
99	100		
42	16.9	11.4	17.0
71	63.8	34.6	51.8#



Instrument :
BNA_N
ClientSampleId :
RB01-20241119

Manual Integrations
APPROVED

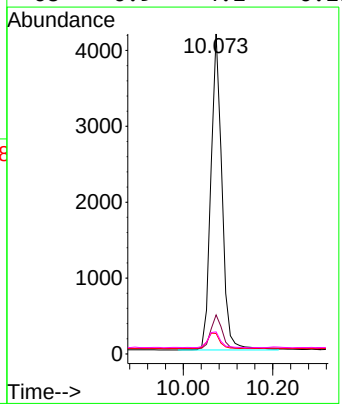
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

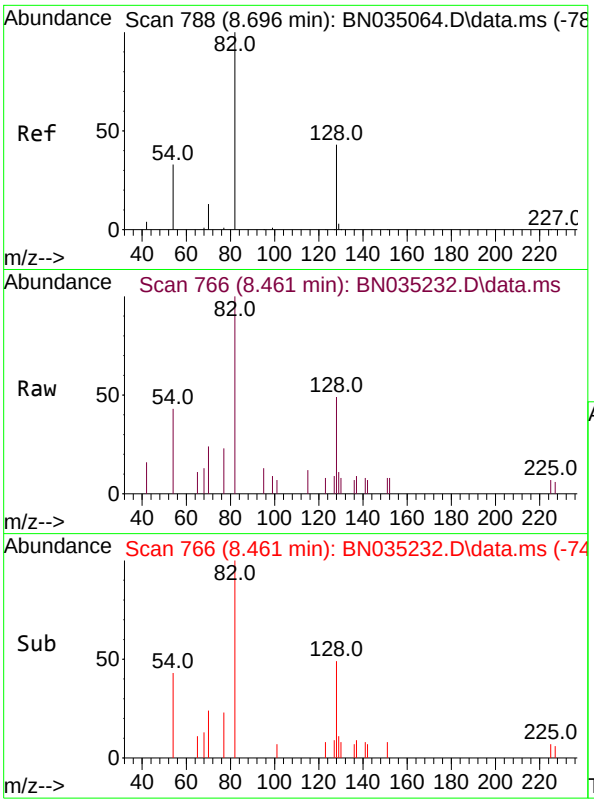


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.073 min Scan# 917
Delta R.T. -0.000 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion:136 Resp: 7124

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.8	14.8
54	6.4	4.0	6.0#
68	6.9	4.2	6.2#

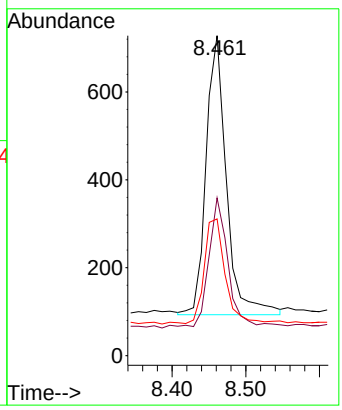




#8
Nitrobenzene-d5
Concen: 0.197 ng m
RT: 8.461 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion: 82 Resp: 122

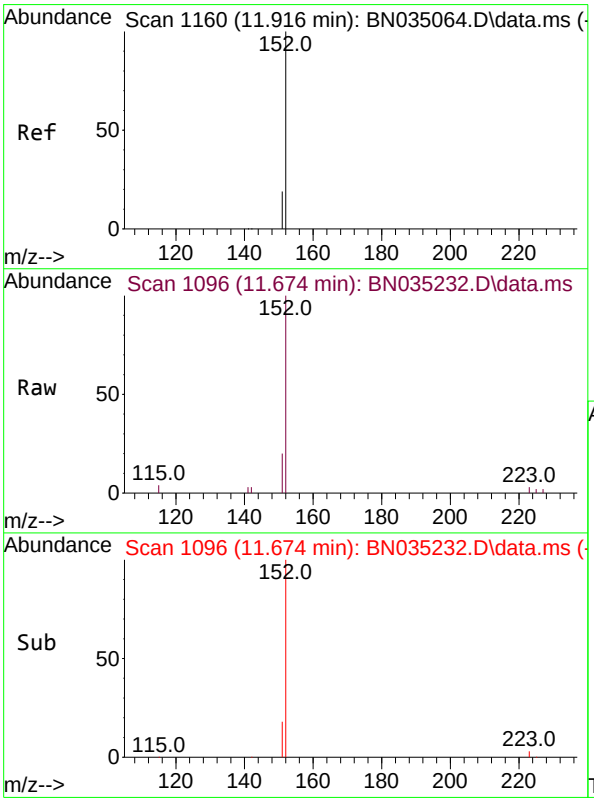
Ion	Ratio	Lower	Upper
82	100		
128	49.3	36.5	54.7
54	42.7	28.7	43.1



Instrument :
BNA_N
ClientSampleId :
RB01-20241119

Manual Integrations
APPROVED

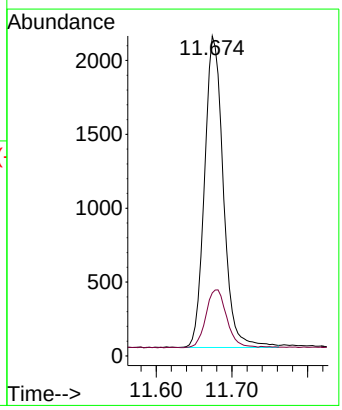
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

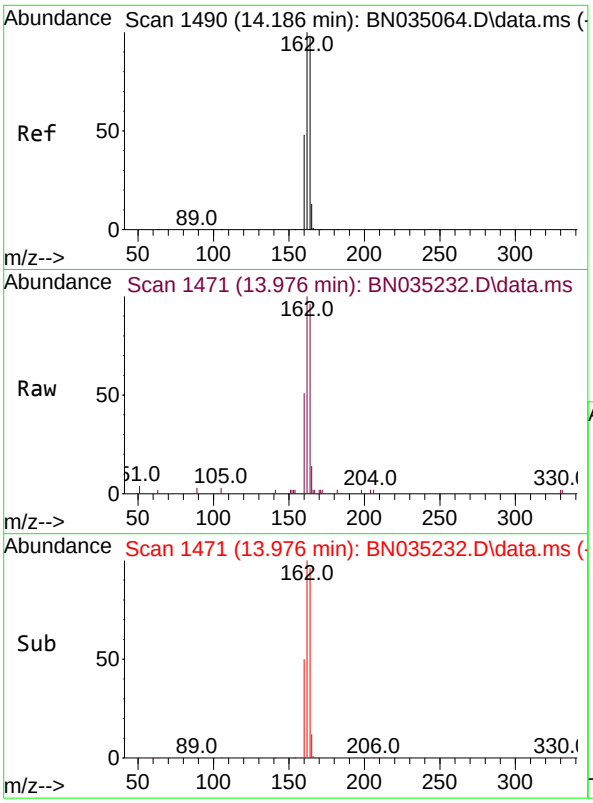


#11
2-Methylnaphthalene-d10
Concen: 0.286 ng
RT: 11.674 min Scan# 1096
Delta R.T. -0.004 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion:152 Resp: 3635

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.4

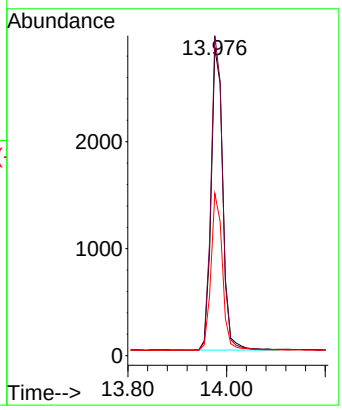




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion:164 Resp: 465

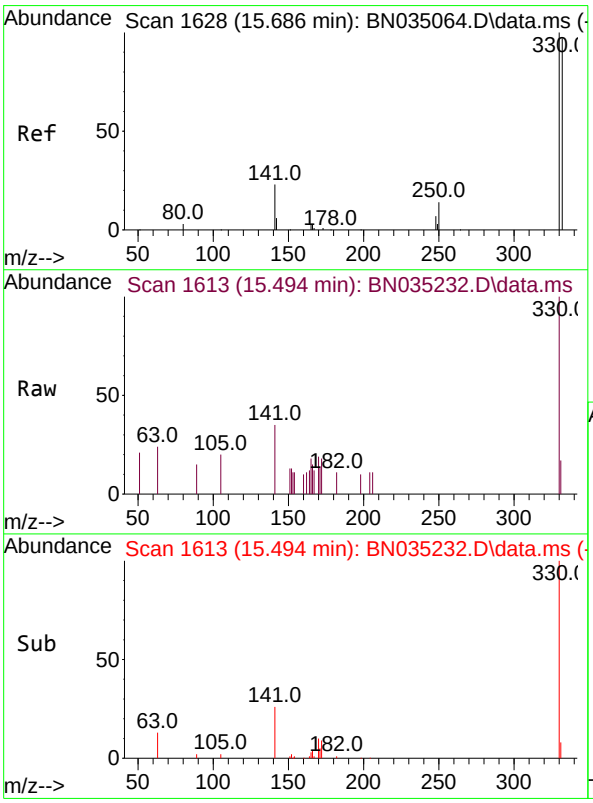
Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.2	123.2
160	52.7	40.2	60.4



Instrument :
BNA_N
ClientSampleId :
RB01-20241119

Manual Integrations
APPROVED

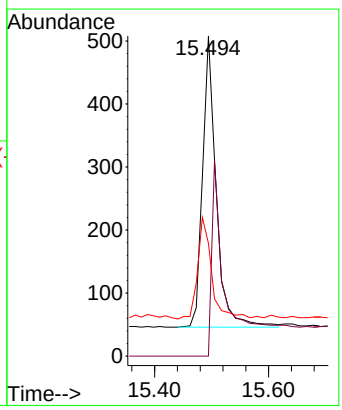
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

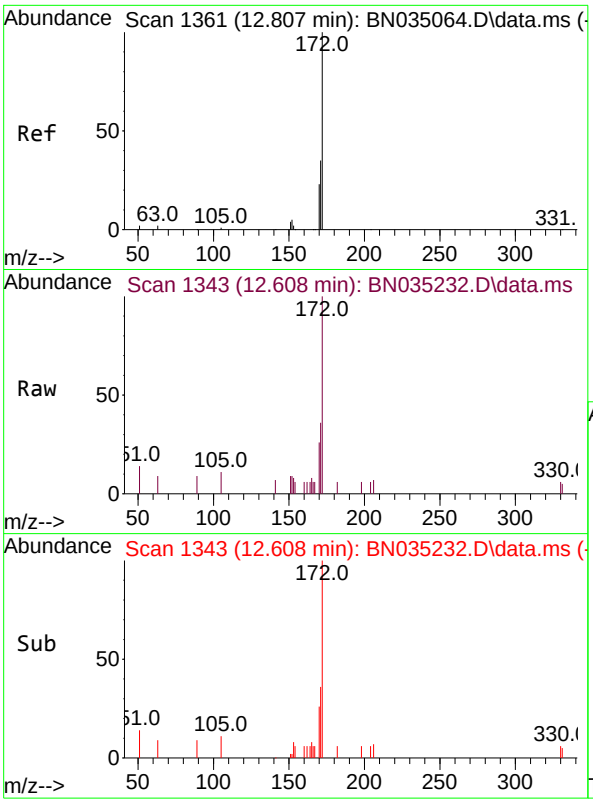


#14
2,4,6-Tribromophenol
Concen: 0.242 ng
RT: 15.494 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion:330 Resp: 812

Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.9	115.3#
141	36.2	29.6	44.4





#15
2-Fluorobiphenyl
Concen: 0.063 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

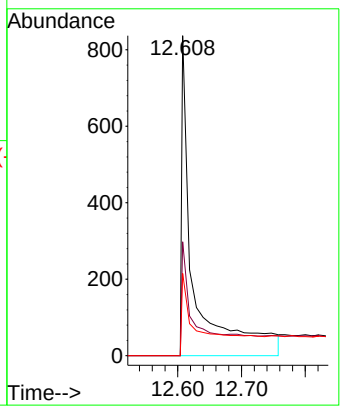
Tgt Ion:172 Resp: 118

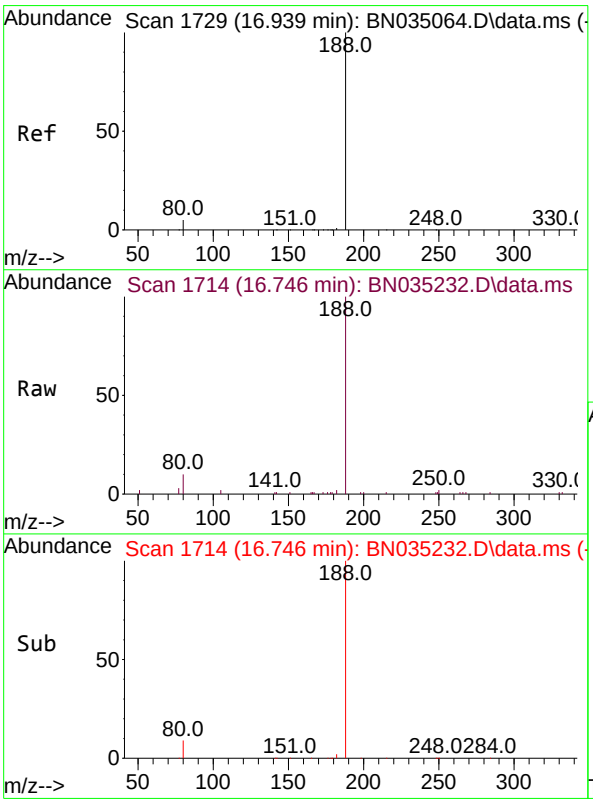
Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.4
170	25.7	19.0	28.6

Instrument :
BNA_N
ClientSampleId :
RB01-20241119

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

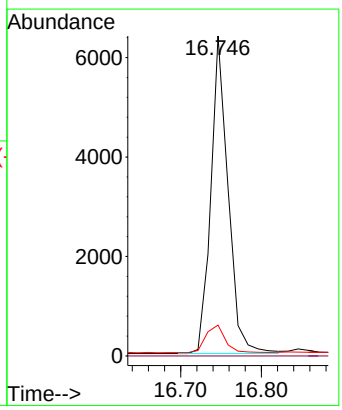


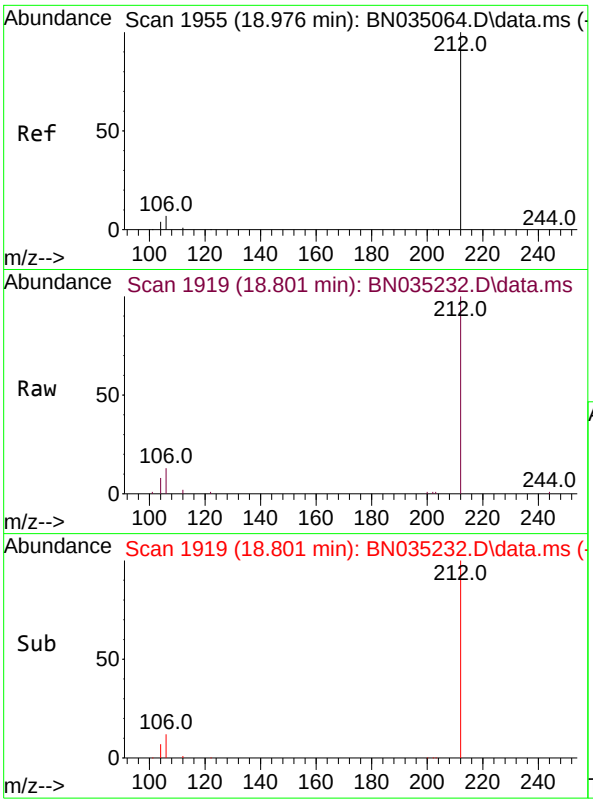


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.746 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion:188 Resp: 9464

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	4.3	6.5#

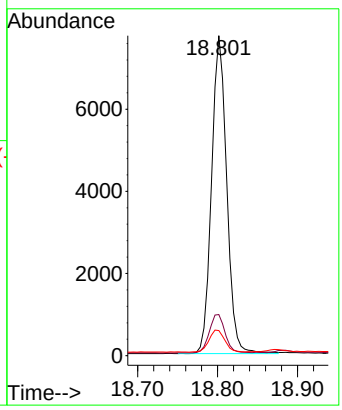




#27
Fluoranthene-d10
Concen: 0.352 ng
RT: 18.801 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion:212 Resp: 1020

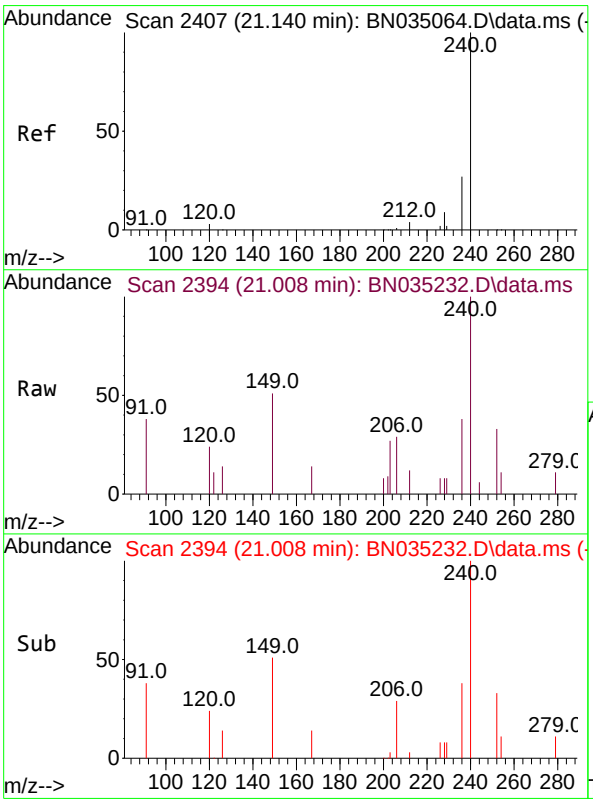
Ion	Ratio	Lower	Upper
212	100		
106	12.7	6.0	9.0#
104	7.2	3.5	5.3#



Instrument :
BNA_N
ClientSampleId :
RB01-20241119

Manual Integrations
APPROVED

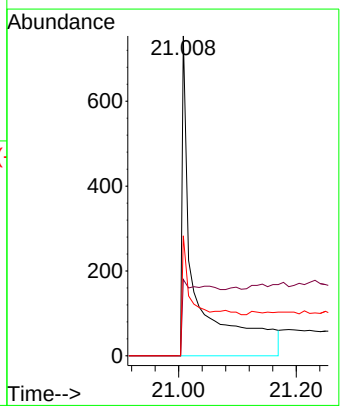
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

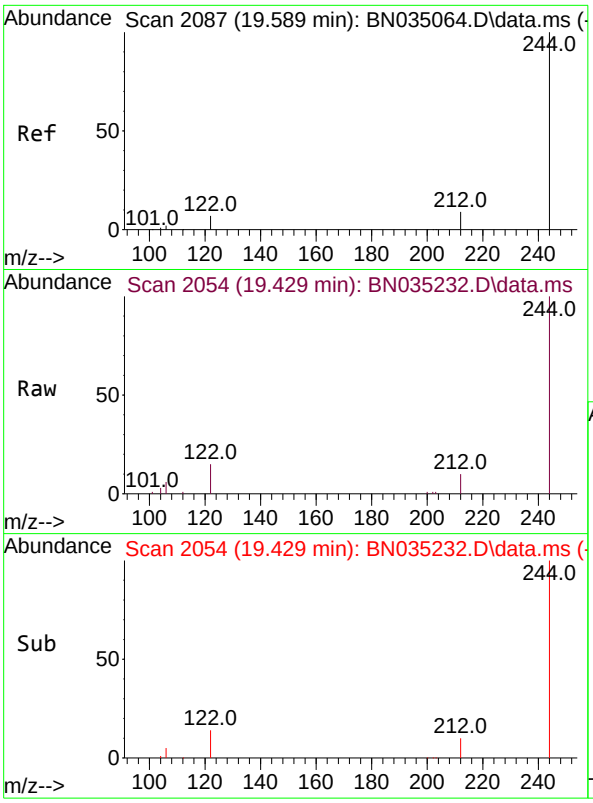


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion:240 Resp: 1183

Ion	Ratio	Lower	Upper
240	100		
120	23.9	3.8	5.6#
236	37.5	22.2	33.2#

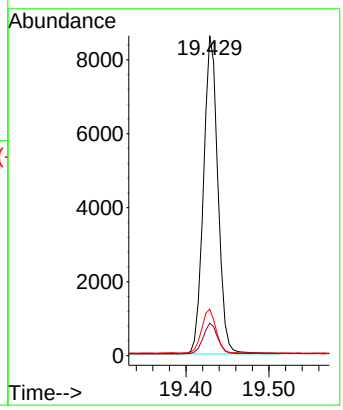




#31
Terphenyl-d14
Concen: 4.192 ng
RT: 19.429 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

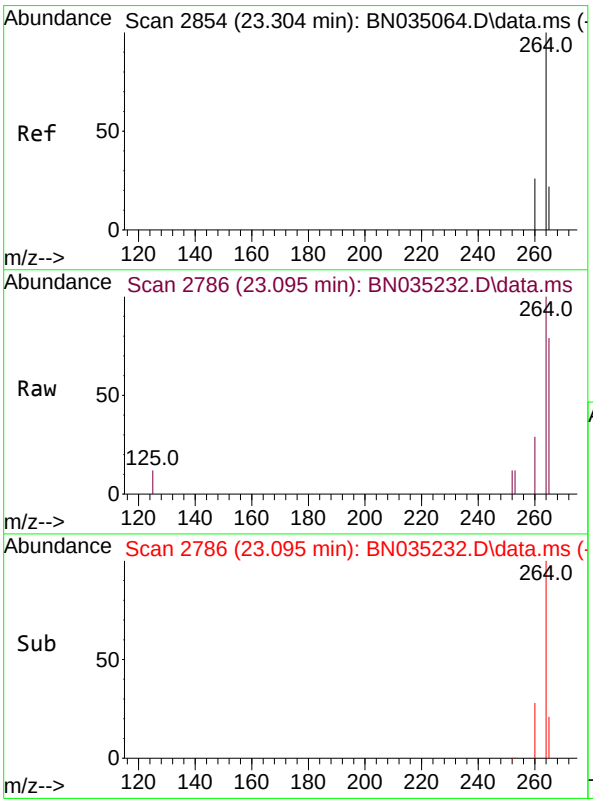
Tgt Ion:244 Resp: 1040

Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.6	11.4
122	14.5	6.1	9.1#



Instrument :
BNA_N
ClientSampleId :
RB01-20241119

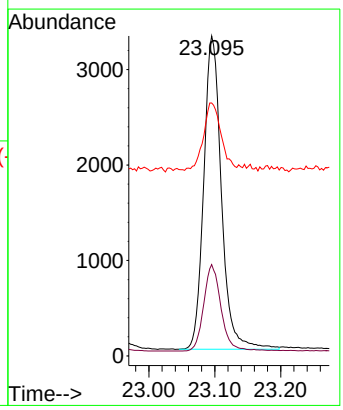
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.095 min Scan# 2786
Delta R.T. -0.009 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion:264 Resp: 6123

Ion	Ratio	Lower	Upper
264	100		
260	28.5	20.9	31.3
265	79.1	35.4	53.2#



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/19/24
Project:	CTO WE13	Date Received:	11/20/24
Client Sample ID:	DUP02-20241119	SDG No.:	P4934
Lab Sample ID:	P4934-12	Matrix:	Water
Analytical Method:	SW8270SIM	% 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035234.D	1	11/21/24 08:27	11/21/24 22:25	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.27		30 - 150		68%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.19	*	55 - 111		47%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.063	*	53 - 106		16%	SPK: 0.4
1718-51-0	Terphenyl-d14	4.65	*	58 - 132		1163%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2770	7.322				
1146-65-2	Naphthalene-d8	6430	10.073				
15067-26-2	Acenaphthene-d10	3950	13.976				
1517-22-2	Phenanthrene-d10	8350	16.746				
1719-03-5	Chrysene-d12	946	21.008				
1520-96-3	Perylene-d12	7190	23.095				

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\BN112124\
Data File : BN035234.D
Acq On : 21 Nov 2024 22:25
Operator : RC/JU
Sample : P4934-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 23:06:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.322	152	2771	0.400	ng	0.00
7) Naphthalene-d8	10.073	136	6431	0.400	ng	# 0.00
13) Acenaphthene-d10	13.976	164	3947	0.400	ng	-0.01
19) Phenanthrene-d10	16.746	188	8351	0.400	ng	# 0.00
29) Chrysene-d12	21.008	240	946	0.400	ng	# 0.00
35) Perylene-d12	23.095	264	7194	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.975	112	860	0.122	ng	0.00
5) Phenol-d6	6.528	99	592	0.067	ng	0.00
8) Nitrobenzene-d5	8.461	82	1060m	0.189	ng	0.00
11) 2-Methylnaphthalene-d10	11.674	152	3096	0.270	ng	0.00
14) 2,4,6-Tribromophenol	15.494	330	720	0.253	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	1009	0.063	ng	0.00
27) Fluoranthene-d10	18.801	212	9165	0.358	ng	0.00
31) Terphenyl-d14	19.429	244	9237	4.653	ng	0.00
Target Compounds						Qvalue
30) Pyrene	19.201	202	225	0.071	ng	# 95

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

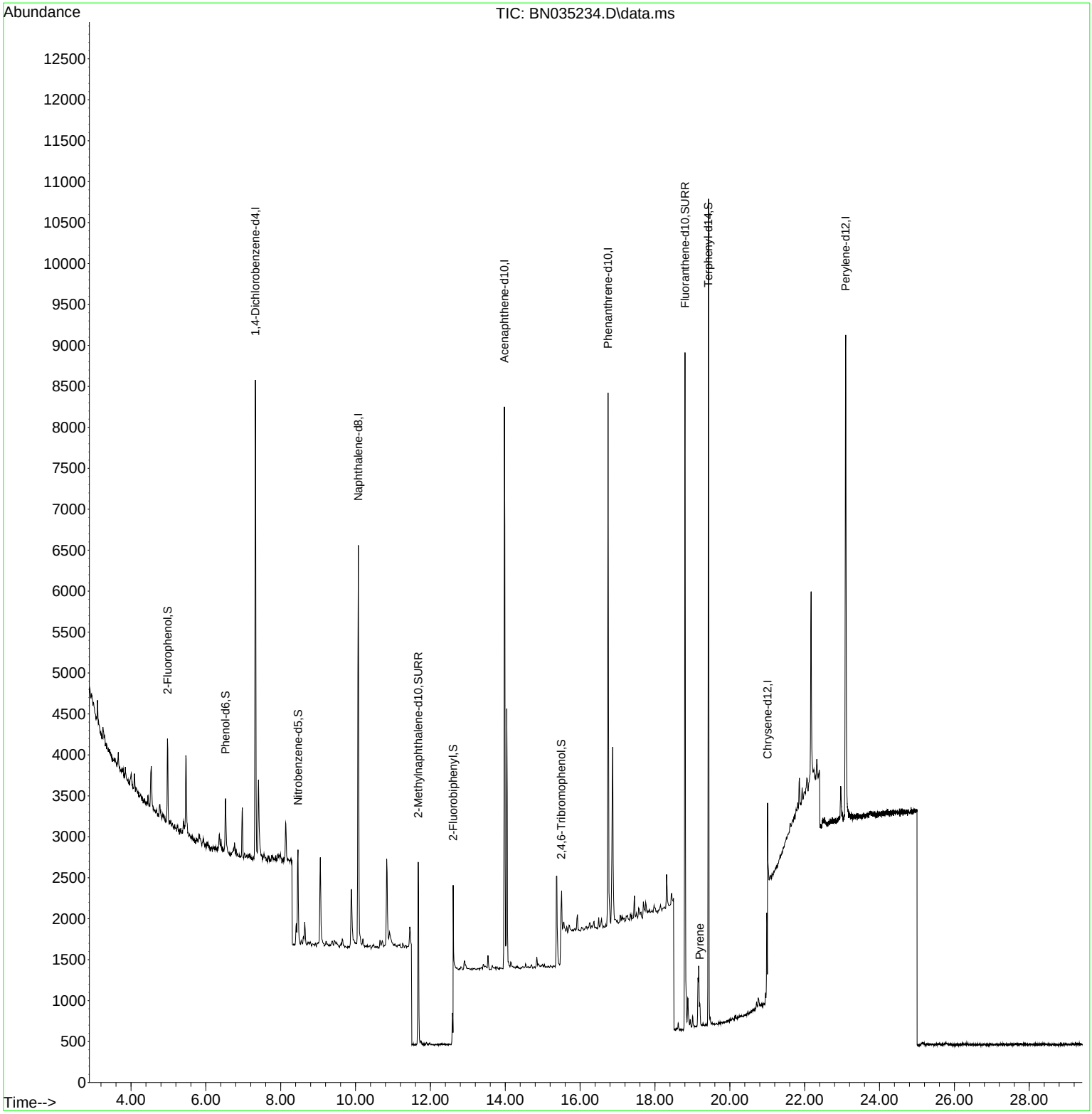
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035234.D
Acq On : 21 Nov 2024 22:25
Operator : RC/JU
Sample : P4934-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

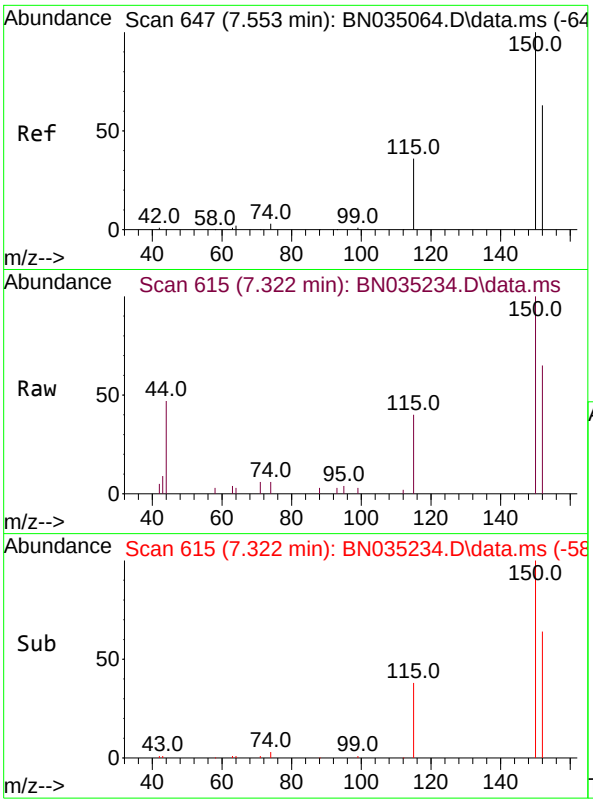
Quant Time: Nov 21 23:06:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

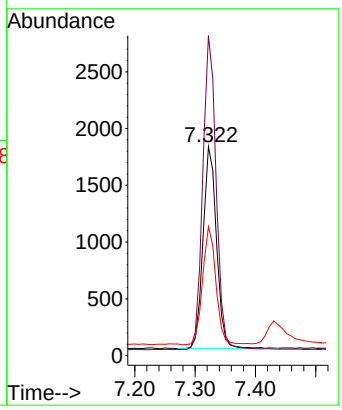




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.322 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:152 Resp: 277

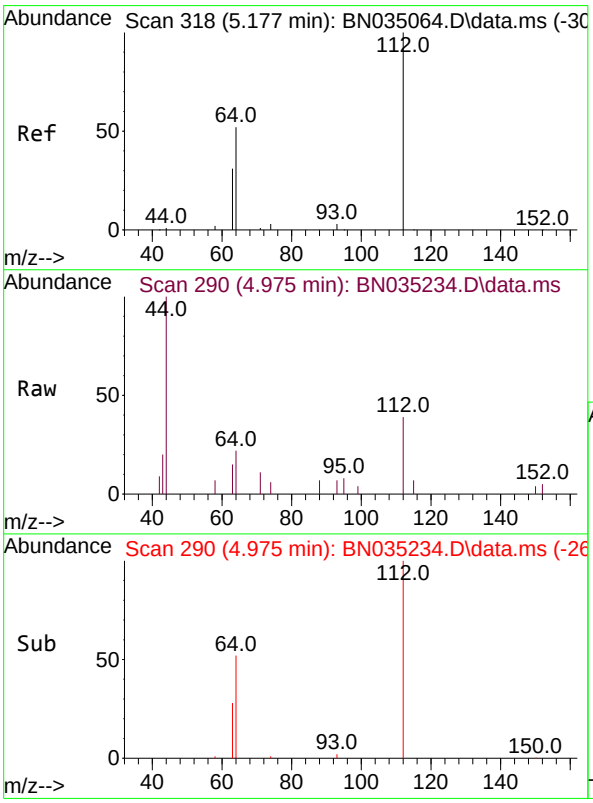
Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.5	186.7
115	61.8	47.8	71.6



Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Manual Integrations
APPROVED

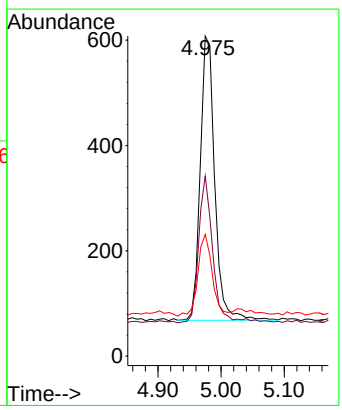
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

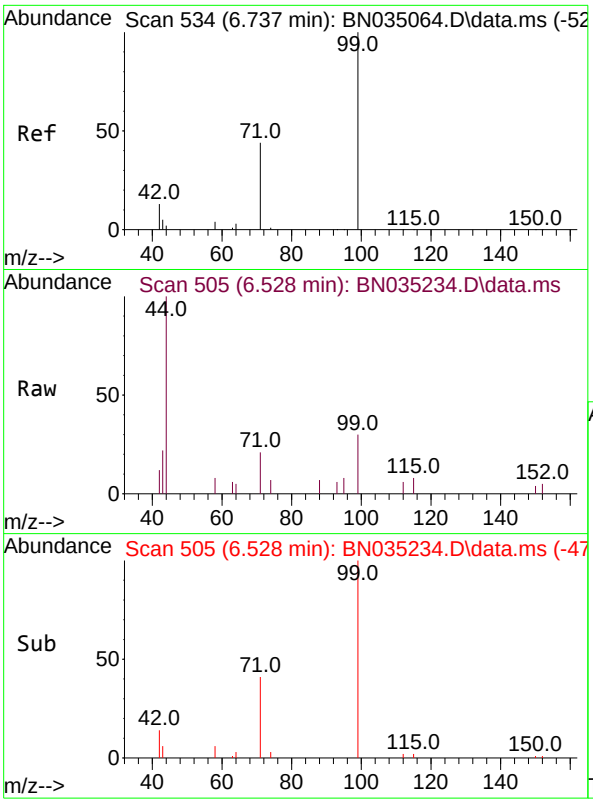


#4
2-Fluorophenol
Concen: 0.122 ng
RT: 4.975 min Scan# 290
Delta R.T. -0.007 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:112 Resp: 860

Ion	Ratio	Lower	Upper
112	100		
64	50.8	39.7	59.5
63	28.3	23.0	34.4

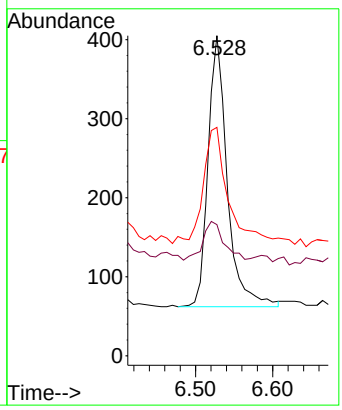




#5
Phenol-d6
Concen: 0.067 ng
RT: 6.528 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion: 99 Resp: 59

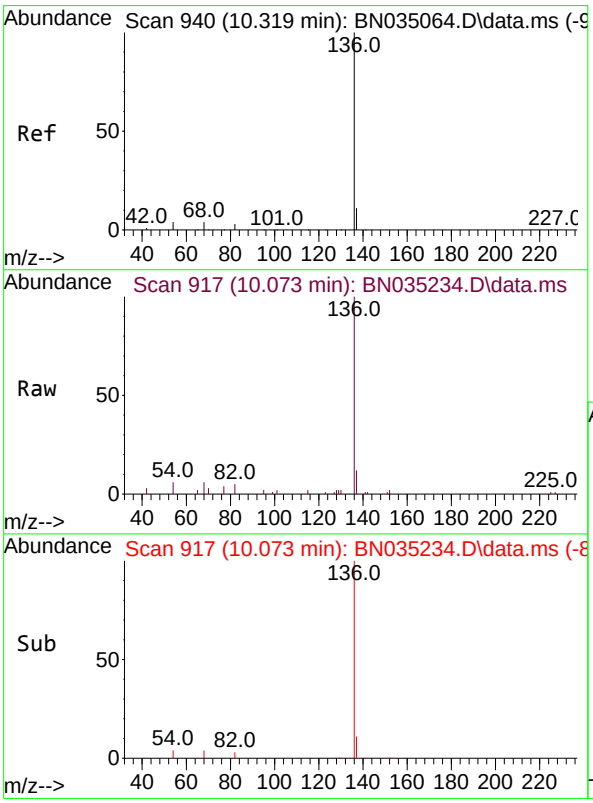
Ion	Ratio	Lower	Upper
99	100		
42	16.0	11.4	17.0
71	63.2	34.6	51.8#



Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Manual Integrations
APPROVED

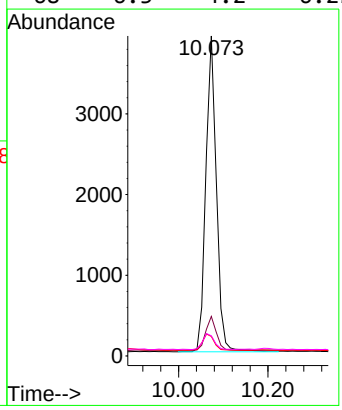
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

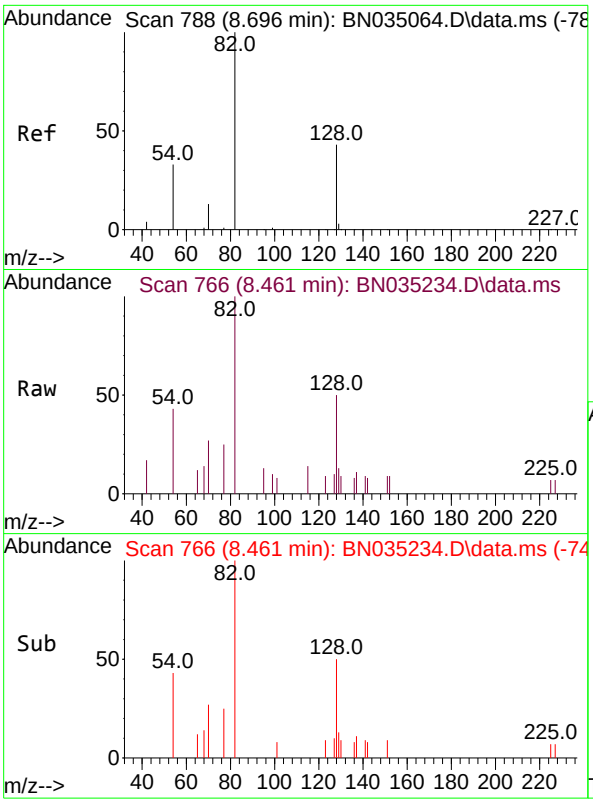


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.073 min Scan# 917
Delta R.T. -0.000 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:136 Resp: 6431

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.8	14.8
54	6.1	4.0	6.0#
68	6.3	4.2	6.2#

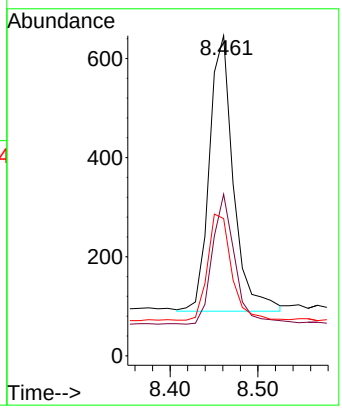




#8
Nitrobenzene-d5
Concen: 0.189 ng m
RT: 8.461 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion: 82 Resp: 106

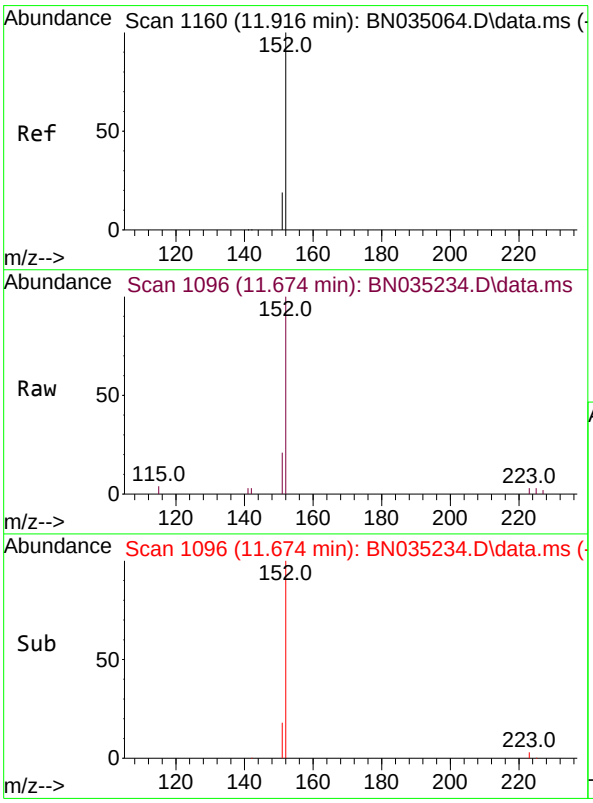
Ion	Ratio	Lower	Upper
82	100		
128	50.5	36.5	54.7
54	42.9	28.7	43.1



Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Manual Integrations
APPROVED

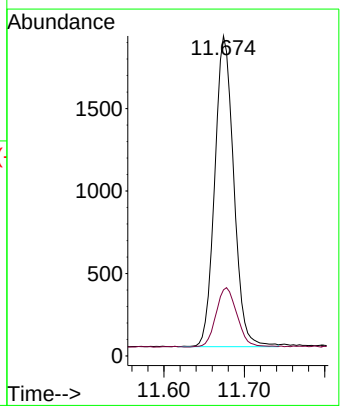
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

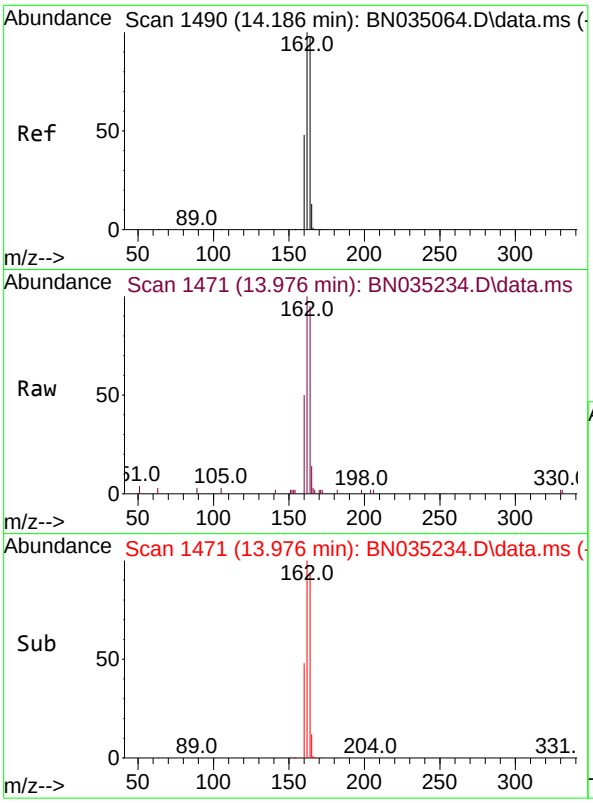


#11
2-Methylnaphthalene-d10
Concen: 0.270 ng
RT: 11.674 min Scan# 1096
Delta R.T. -0.004 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:152 Resp: 3096

Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.2	24.4

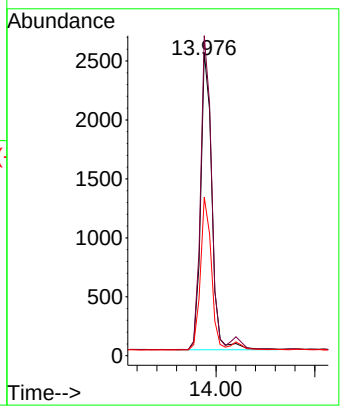




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:164 Resp: 394

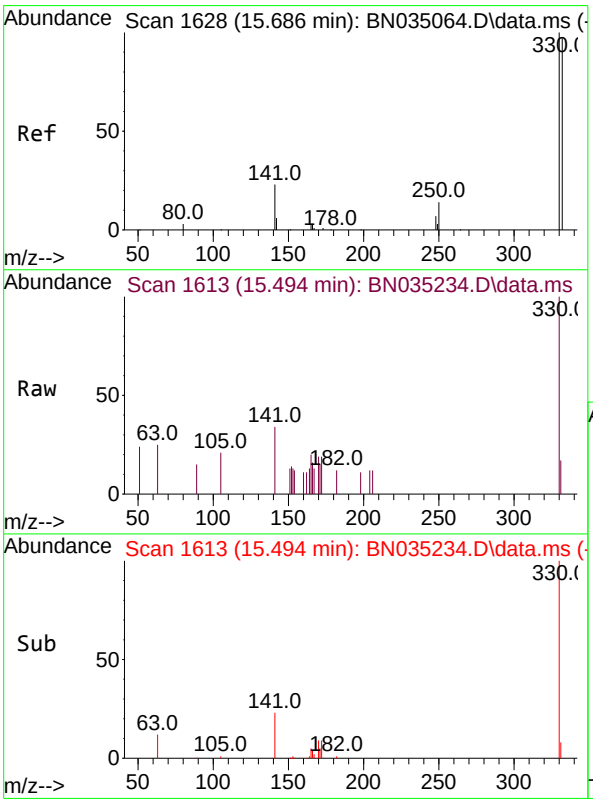
Ion	Ratio	Lower	Upper
164	100		
162	105.6	82.2	123.2
160	52.3	40.2	60.4



Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Manual Integrations
APPROVED

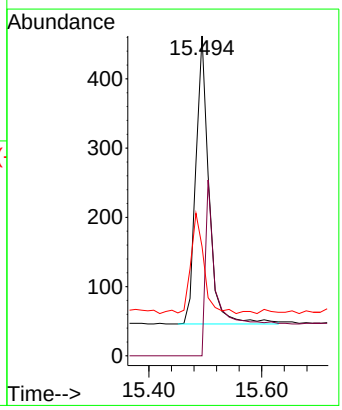
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

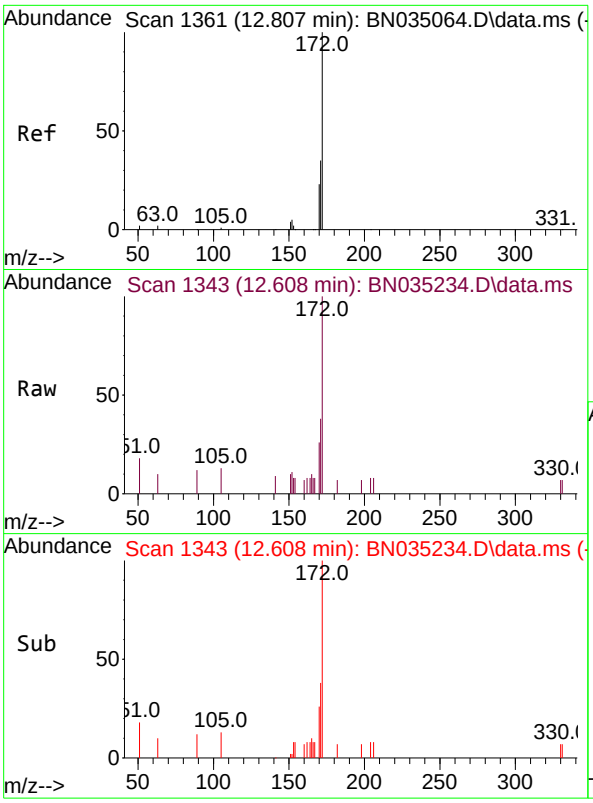


#14
2,4,6-Tribromophenol
Concen: 0.253 ng
RT: 15.494 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:330 Resp: 720

Ion	Ratio	Lower	Upper
330	100		
332	82.5	76.9	115.3
141	0.0	29.6	44.4#

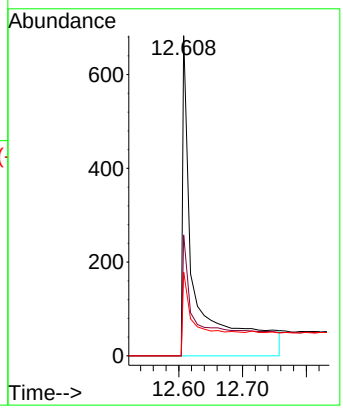




#15
2-Fluorobiphenyl
Concen: 0.063 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:172 Resp: 100

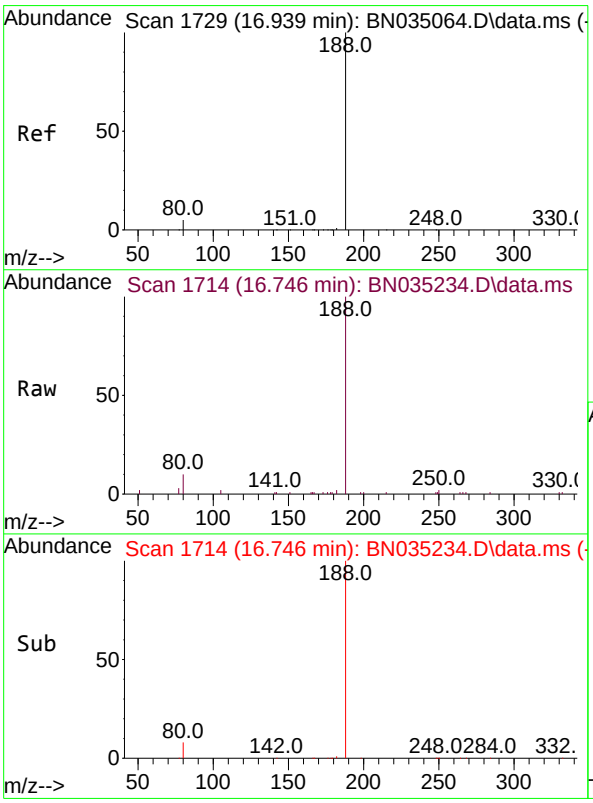
Ion	Ratio	Lower	Upper
172	100		
171	37.8	28.2	42.4
170	26.2	19.0	28.6



Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Manual Integrations
APPROVED

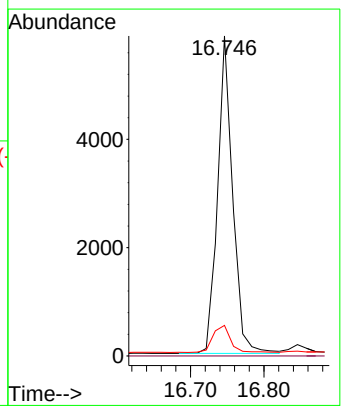
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

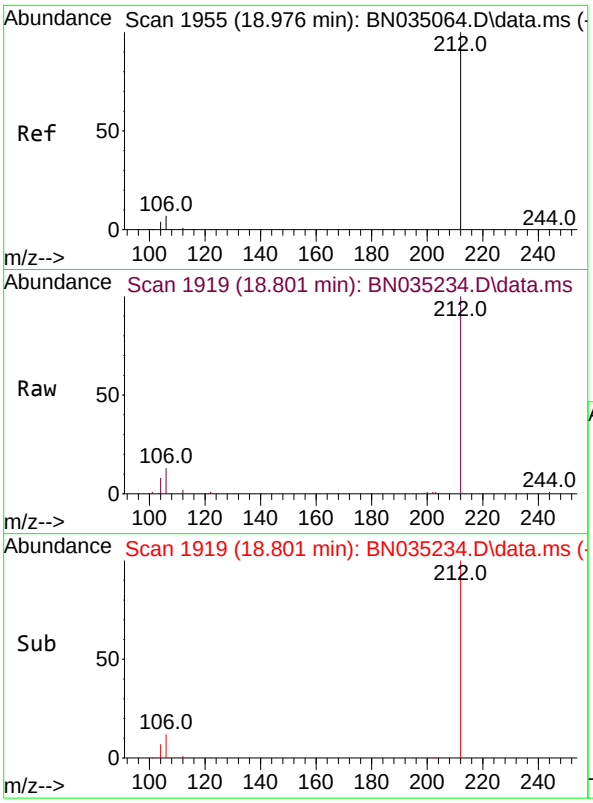


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.746 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:188 Resp: 8351

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	4.3	6.5#

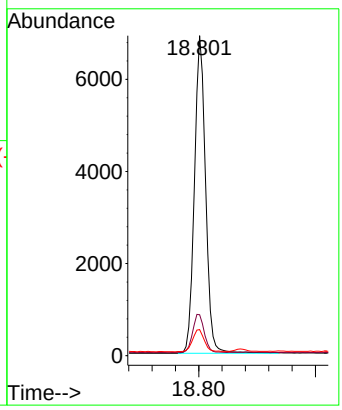




#27
Fluoranthene-d10
Concen: 0.358 ng
RT: 18.801 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:212 Resp: 916

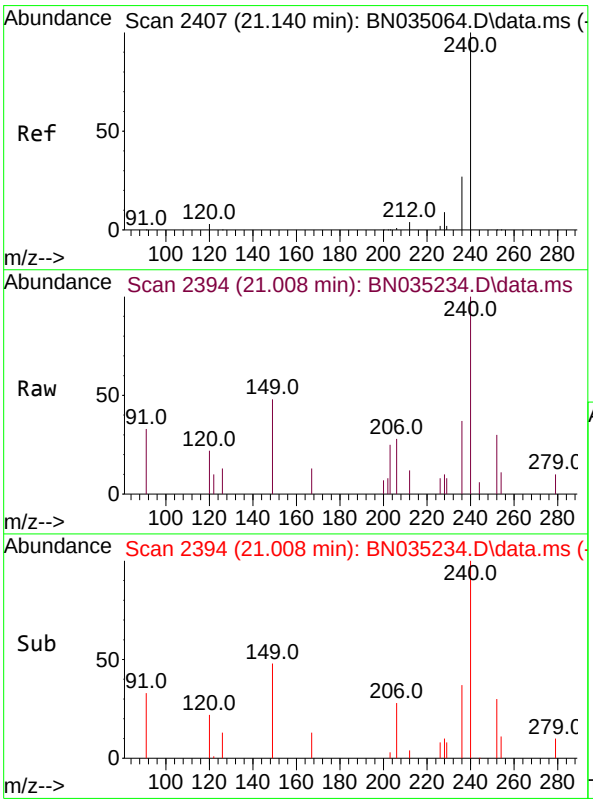
Ion	Ratio	Lower	Upper
212	100		
106	12.5	6.0	9.0#
104	7.5	3.5	5.3#



Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Manual Integrations APPROVED

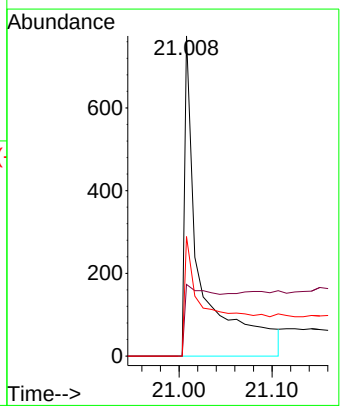
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

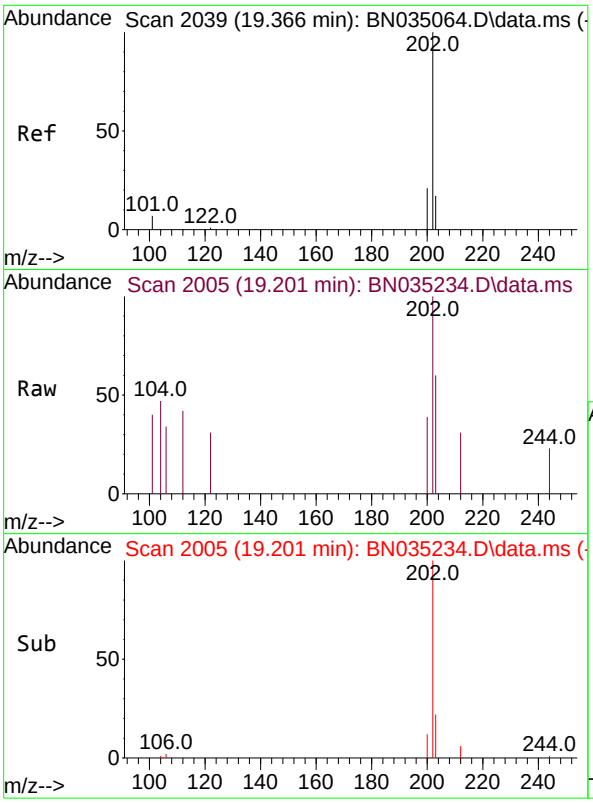


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:240 Resp: 946

Ion	Ratio	Lower	Upper
240	100		
120	22.4	3.8	5.6#
236	37.3	22.2	33.2#





#30
Pyrene
Concen: 0.071 ng
RT: 19.201 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

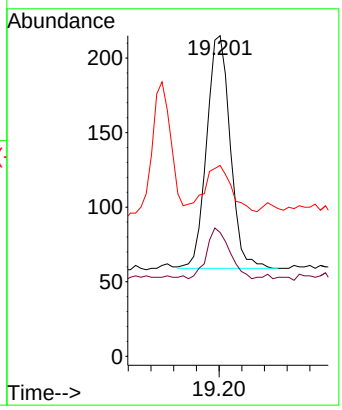
Tgt Ion:202 Resp: 22

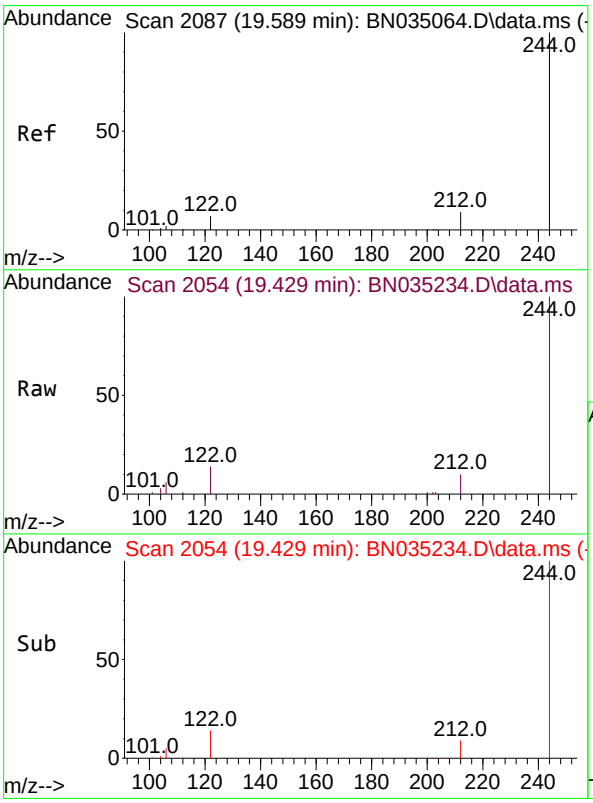
Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	22.7	14.2	21.4#

Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

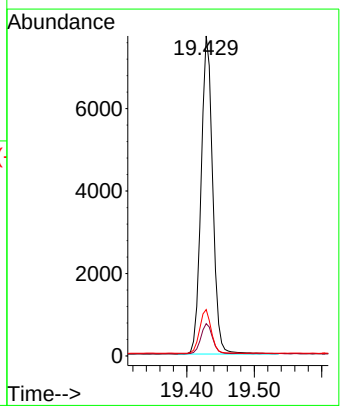


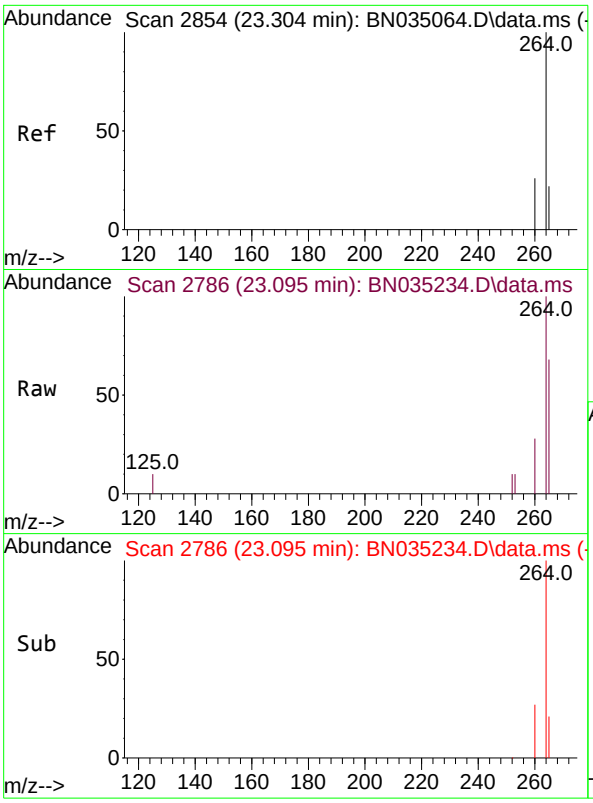


#31
Terphenyl-d14
Concen: 4.653 ng
RT: 19.429 min Scan# 2054
Delta R.T. -0.009 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:244 Resp: 9237

Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.6	11.4
122	14.5	6.1	9.1#

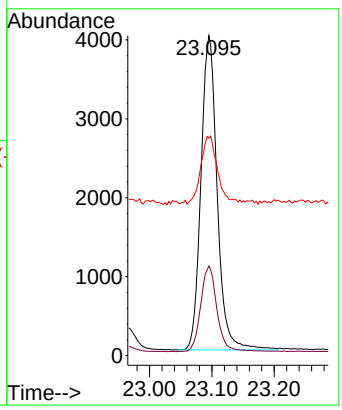




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.095 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:264 Resp: 719

Ion	Ratio	Lower	Upper
264	100		
260	28.1	20.9	31.3
265	67.9	35.4	53.2



Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

CALIBRATION SUMMARY

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 13 17:18:14 2024
Response Via : Initial Calibration

Calibration Files
0.1 =BN035062.D 0.2 =BN035063.D 0.4 =BN035064.D 0.8 =BN035065.D 1.6 =BN035066.D 3.2 =BN035067.D 5.0 =BN035068.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	0.410	0.382	0.335	0.371	0.367	0.348	0.329	0.363	7.76
3)		n-Nitrosodimet...	0.366	0.328	0.326	0.360	0.347	0.321	0.322	0.339	5.51
4)	S	2-Fluorophenol	1.073	1.039	0.949	1.086	1.034	0.966	0.961	1.015	5.54
5)	S	Phenol-d6	1.264	1.279	1.159	1.355	1.318	1.255	1.282	1.273	4.79
6)		bis(2-Chloroet...	0.972	0.949	0.893	1.027	0.995	0.925	0.929	0.956	4.77
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.358	0.338	0.320	0.368	0.356	0.344	0.353	0.348	4.53
9)		Naphthalene	1.088	1.009	0.977	1.116	1.085	1.010	1.027	1.044	4.96
10)		Hexachlorobuta...	0.324	0.305	0.293	0.326	0.315	0.289	0.291	0.306	5.12
11)	SURR	2-Methylnaphth...	0.694	0.683	0.664	0.762	0.753	0.703	0.731	0.713	5.13
12)		2-Methylnaphth...	0.742	0.748	0.711	0.823	0.815	0.765	0.789	0.770	5.29
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.281	0.262	0.240	0.300	0.299	0.308	0.331	0.289	10.57
15)	S	2-Fluorobiphenyl	1.701	1.576	1.460	1.735	1.687	1.599	1.614	1.624	5.73
16)		Acenaphthylene	1.715	1.616	1.488	1.822	1.775	1.756	1.795	1.709	6.93
17)		Acenaphthene	1.129	1.079	1.000	1.202	1.157	1.130	1.146	1.120	5.76
18)		Fluorene	1.704	1.591	1.463	1.755	1.708	1.656	1.659	1.648	5.86
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...	0.068	0.067	0.073	0.087	0.088	0.095	0.105	0.083	17.50
21)		4-Bromophenyl-...	0.256	0.240	0.246	0.272	0.267	0.252	0.252	0.255	4.41
22)		Hexachlorobenzene	0.275	0.259	0.253	0.277	0.273	0.258	0.258	0.264	3.79
23)		Atrazine	0.227	0.227	0.217	0.244	0.238	0.223	0.225	0.229	3.95
24)		Pentachlorophenol	0.106	0.101	0.104	0.130	0.130	0.141	0.154	0.124	16.69
25)		Phenanthrene	1.069	1.013	1.004	1.115	1.096	1.034	1.036	1.053	3.97
26)		Anthracene	0.917	0.904	0.920	1.024	1.016	0.986	1.001	0.967	5.32
27)	SURR	Fluoranthene-d10	1.196	1.178	1.169	1.288	1.284	1.222	1.240	1.225	3.91
28)		Fluoranthene	1.396	1.376	1.386	1.543	1.527	1.453	1.453	1.448	4.63
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.339	1.290	1.288	1.424	1.367	1.301	1.317	1.332	3.70
31)	S	Terphenyl-d14	0.838	0.819	0.810	0.894	0.867	0.817	0.831	0.839	3.63
32)		Benzo(a)anthra...	1.421	1.368	1.328	1.464	1.416	1.355	1.396	1.393	3.31
33)		Chrysene	1.409	1.366	1.332	1.479	1.420	1.331	1.321	1.380	4.27
34)		Bis(2-ethylhex...	0.809	0.753	0.647	0.768	0.702	0.693	0.742	0.731	7.38
35)	I	Perylene-d12	----------ISTD----------								

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN111324.M

36)		Indeno(1,2,3-c...	1.609	1.515	1.522	1.730	1.659	1.550	1.585	1.596	4.88
37)		Benzo(b)fluora...	1.326	1.272	1.279	1.439	1.418	1.327	1.359	1.346	4.77
38)		Benzo(k)fluora...	1.342	1.288	1.287	1.418	1.410	1.323	1.358	1.347	3.94
39)	C	Benzo(a)pyrene	1.172	1.134	1.123	1.247	1.240	1.167	1.207	1.184	4.12
40)		Dibenzo(a,h)an...	1.248	1.195	1.210	1.375	1.322	1.235	1.265	1.264	5.06
41)		Benzo(g,h,i)pe...	1.380	1.288	1.286	1.452	1.386	1.294	1.328	1.345	4.71

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035062.D
Acq On : 13 Nov 2024 12:40
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Nov 13 16:42:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 16:42:01 2024
Response via : Initial Calibration

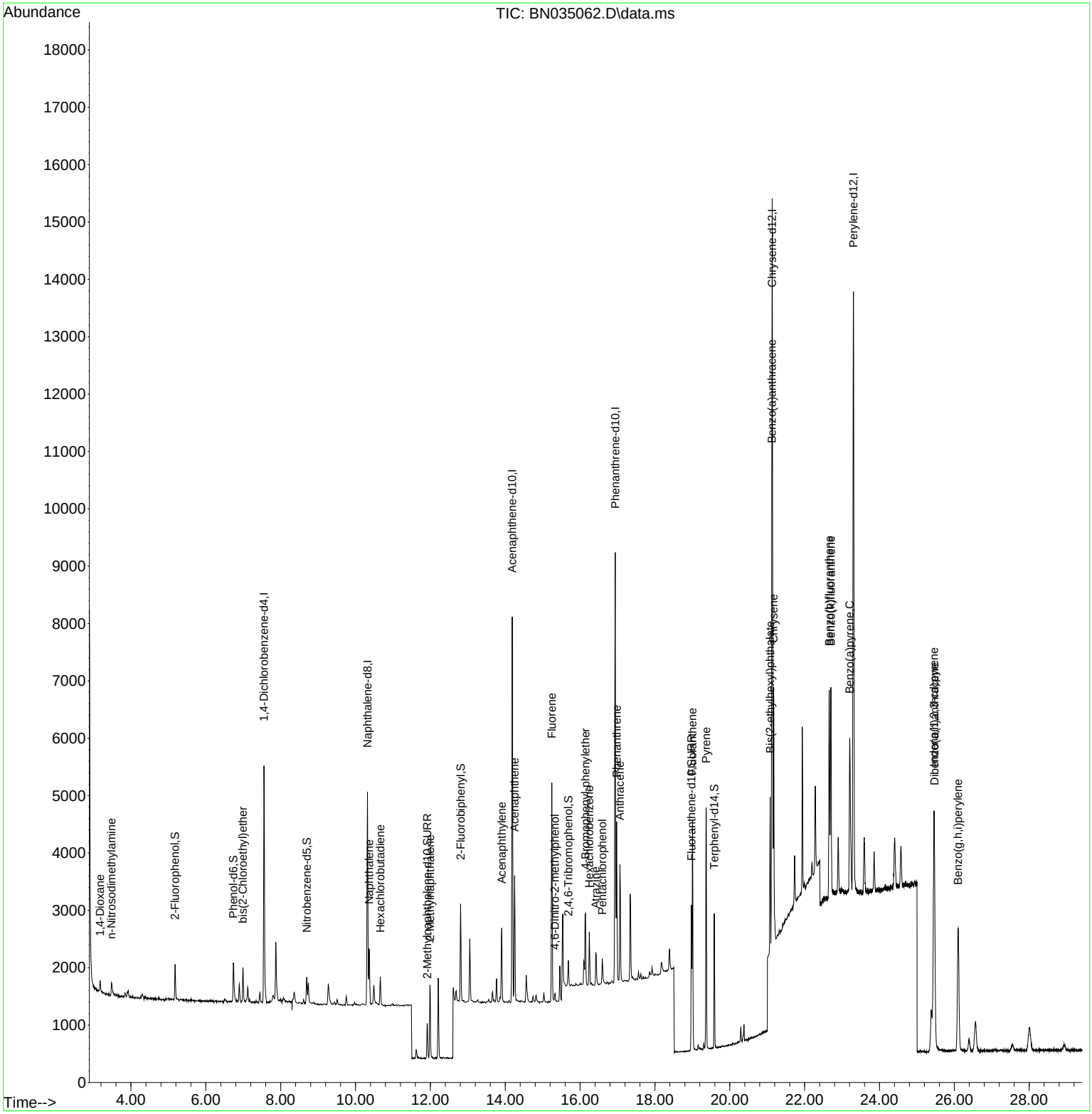
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.553	152	1991	0.400	ng		0.00
7) Naphthalene-d8	10.319	136	4930	0.400	ng		0.00
13) Acenaphthene-d10	14.186	164	3629	0.400	ng		0.00
19) Phenanthrene-d10	16.939	188	10187	0.400	ng		0.00
29) Chrysene-d12	21.131	240	11121	0.400	ng	#	0.00
35) Perylene-d12	23.304	264	13104	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	534	0.106	ng		0.00
5) Phenol-d6	6.737	99	629	0.099	ng		0.00
8) Nitrobenzene-d5	8.696	82	441	0.103	ng		0.00
11) 2-Methylnaphthalene-d10	11.916	152	855	0.097	ng		0.00
14) 2,4,6-Tribromophenol	15.686	330	255	0.097	ng		0.00
15) 2-Fluorobiphenyl	12.807	172	1543	0.105	ng		0.00
27) Fluoranthene-d10	18.976	212	3046	0.098	ng		0.00
31) Terphenyl-d14	19.584	244	2331	0.100	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.177	88	204	0.113	ng		93
3) n-Nitrosodimethylamine	3.480	42	182	0.108	ng	#	90
6) bis(2-Chloroethyl)ether	6.990	93	484	0.102	ng		99
9) Naphthalene	10.362	128	1341	0.104	ng	#	89
10) Hexachlorobutadiene	10.660	225	399	0.106	ng	#	99
12) 2-Methylnaphthalene	11.992	142	914	0.096	ng		96
16) Acenaphthylene	13.908	152	1556	0.100	ng		99
17) Acenaphthene	14.250	154	1024	0.101	ng		98
18) Fluorene	15.245	166	1546	0.103	ng		99
20) 4,6-Dinitro-2-methylph...	15.330	198	172	0.081	ng	#	1
21) 4-Bromophenyl-phenylether	16.145	248	651	0.100	ng		97
22) Hexachlorobenzene	16.244	284	701	0.104	ng		98
23) Atrazine	16.418	200	577	0.099	ng	#	91
24) Pentachlorophenol	16.592	266	269	0.085	ng		94
25) Phenanthrene	16.977	178	2723	0.102	ng		100
26) Anthracene	17.063	178	2335	0.095	ng		98
28) Fluoranthene	19.003	202	3554	0.096	ng		100
30) Pyrene	19.366	202	3722	0.101	ng		98
32) Benzo(a)anthracene	21.122	228	3952	0.102	ng		97
33) Chrysene	21.167	228	3918	0.102	ng		96
34) Bis(2-ethylhexyl)phtha...	21.077	149	2250	0.112	ng	#	99
36) Indeno(1,2,3-cd)pyrene	25.455	276	5271	0.101	ng		96
37) Benzo(b)fluoranthene	22.657	252	4345	0.099	ng	#	82
38) Benzo(k)fluoranthene	22.701	252	4395	0.100	ng	#	78
39) Benzo(a)pyrene	23.204	252	3841	0.099	ng	#	77
40) Dibenzo(a,h)anthracene	25.467	278	4089	0.099	ng	#	85
41) Benzo(g,h,i)perylene	26.099	276	4521	0.103	ng	#	94

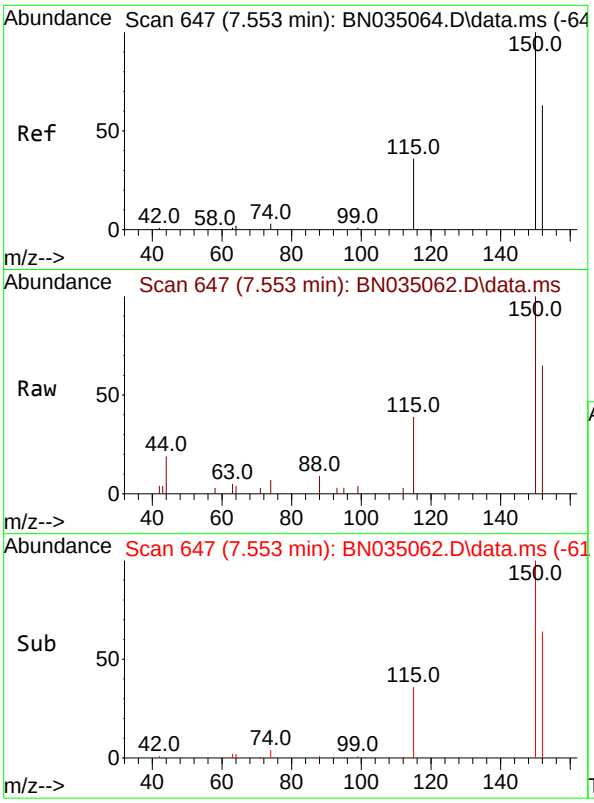
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035062.D
Acq On : 13 Nov 2024 12:40
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Nov 13 16:42:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 16:42:01 2024
Response via : Initial Calibration



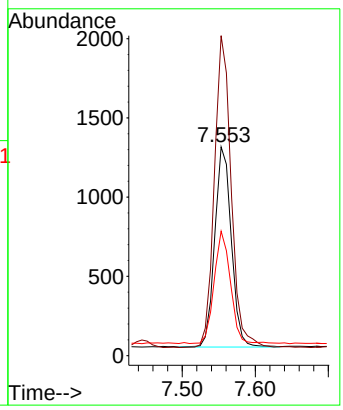


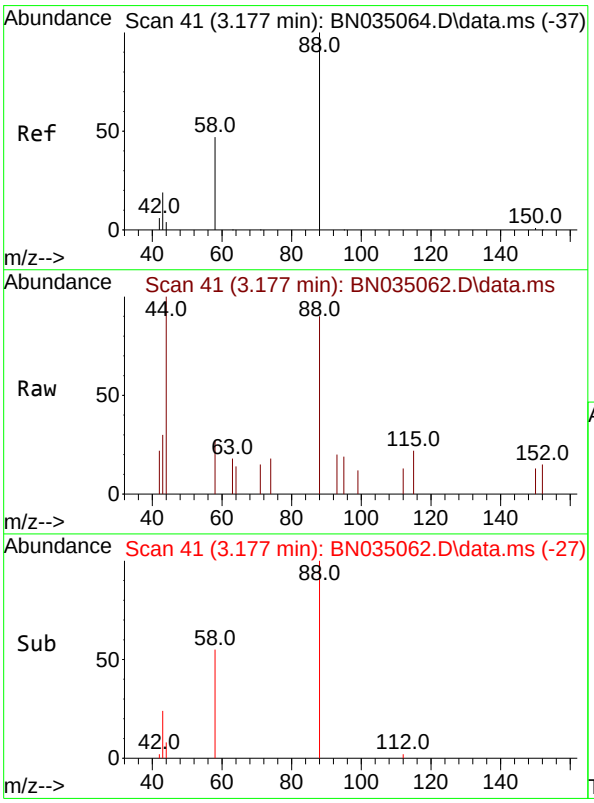
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.553 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 1991

Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.5	186.7
115	59.6	47.8	71.6

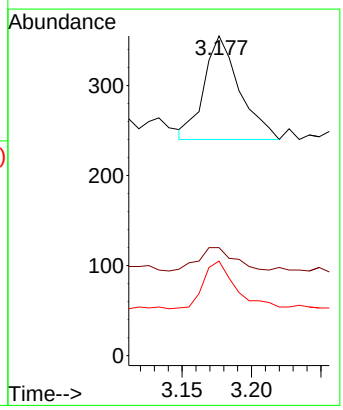


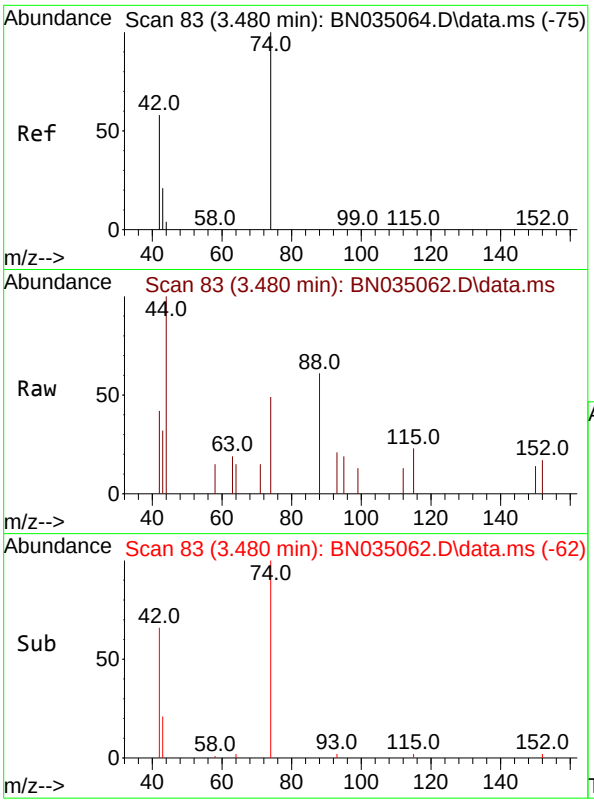


#2
1,4-Dioxane
Concen: 0.113 ng
RT: 3.177 min Scan# 41
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Tgt Ion: 88 Resp: 204

Ion	Ratio	Lower	Upper
88	100		
43	23.0	16.9	25.3
58	42.6	39.0	58.4



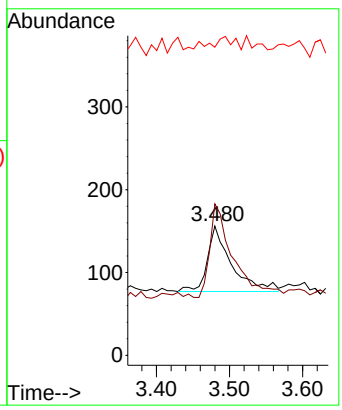


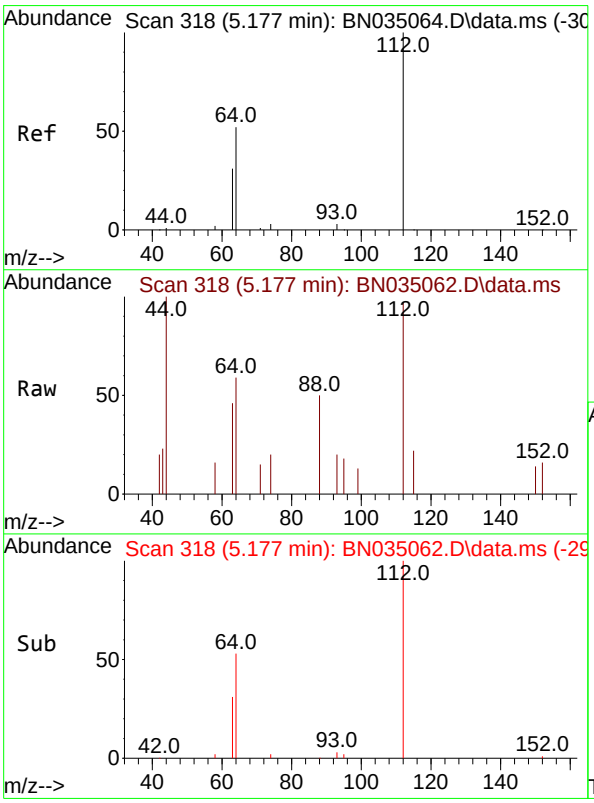
#3
n-Nitrosodimethylamine
Concen: 0.108 ng
RT: 3.480 min Scan# 8
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 42 Resp: 182

Ion	Ratio	Lower	Upper
42	100		
74	139.0	120.8	181.2
44	12.6	2.9	4.3#

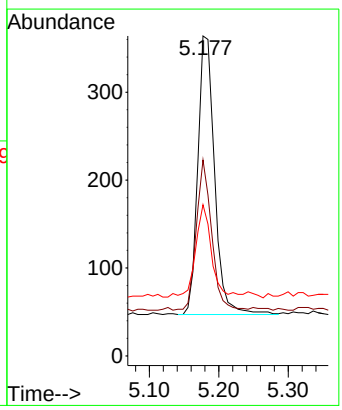


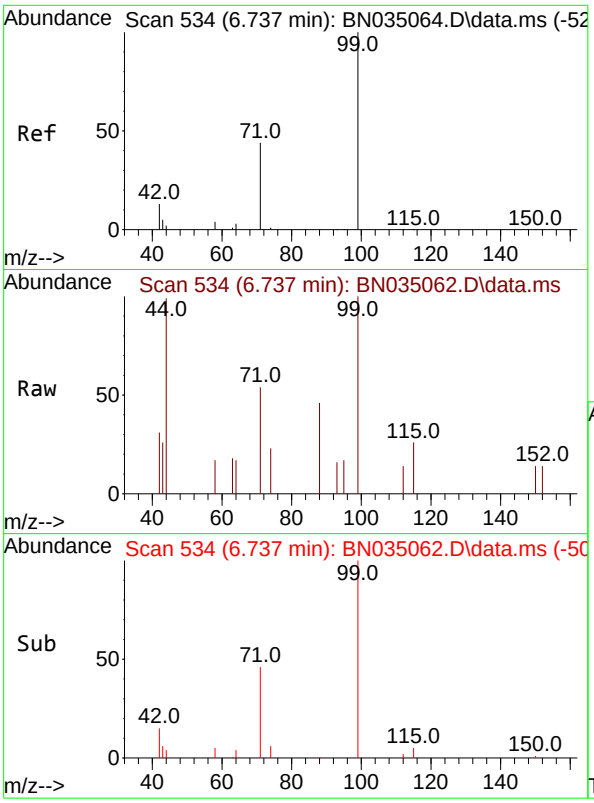


#4
2-Fluorophenol
Concen: 0.106 ng
RT: 5.177 min Scan# 318
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Tgt Ion:112 Resp: 534

Ion	Ratio	Lower	Upper
112	100		
64	48.9	39.7	59.5
63	31.1	23.0	34.4



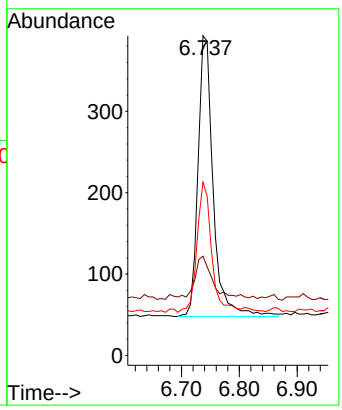


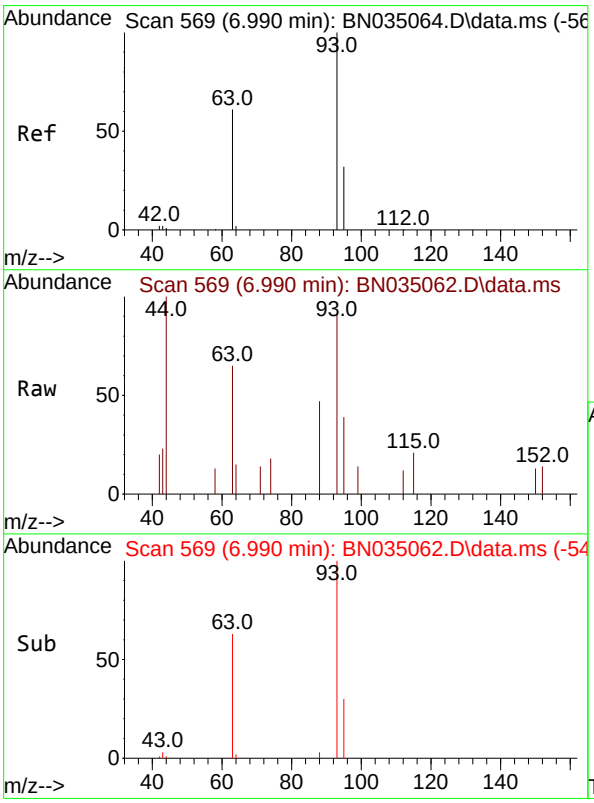
#5
Phenol-d6
Concen: 0.099 ng
RT: 6.737 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 99 Resp: 629

Ion	Ratio	Lower	Upper
99	100		
42	19.6	11.4	17.0#
71	44.5	34.6	51.8

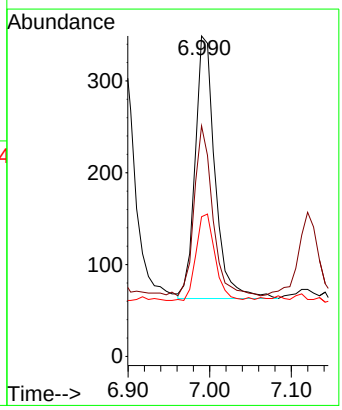


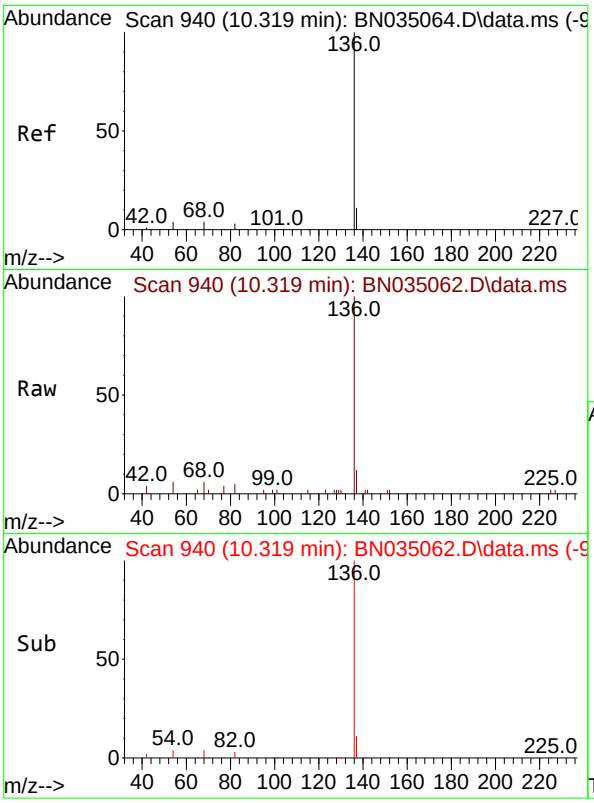


#6
bis(2-Chloroethyl)ether
Concen: 0.102 ng
RT: 6.990 min Scan# 569
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Tgt Ion: 93 Resp: 484

Ion	Ratio	Lower	Upper
93	100		
63	60.1	47.4	71.2
95	31.8	26.2	39.4



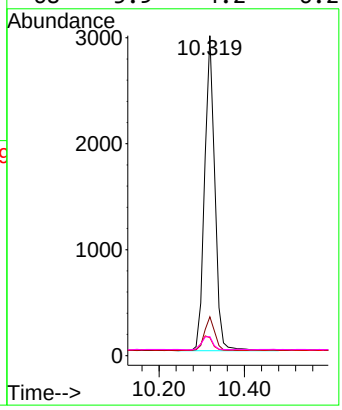


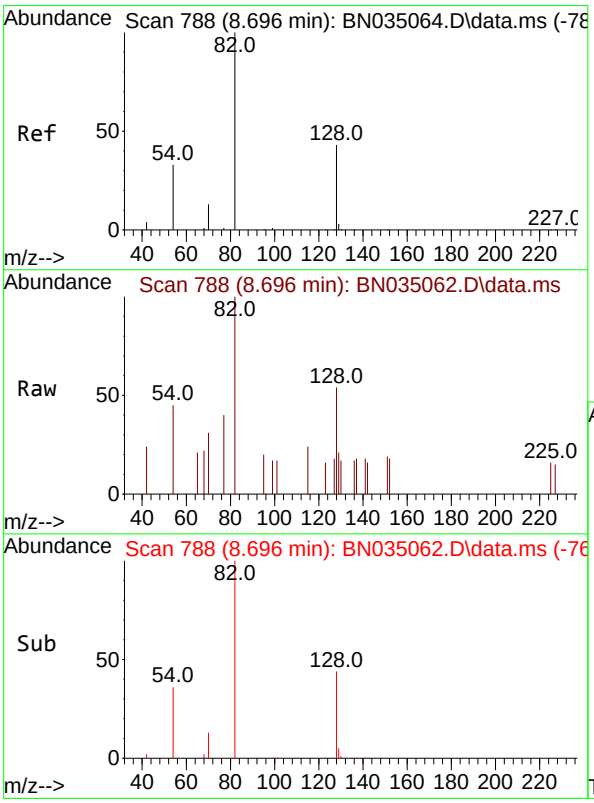
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.319 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:136 Resp: 4930

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.8	14.8
54	5.6	4.0	6.0
68	5.9	4.2	6.2

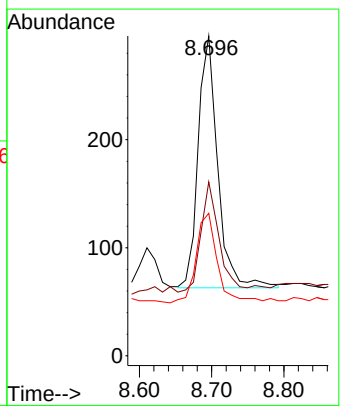


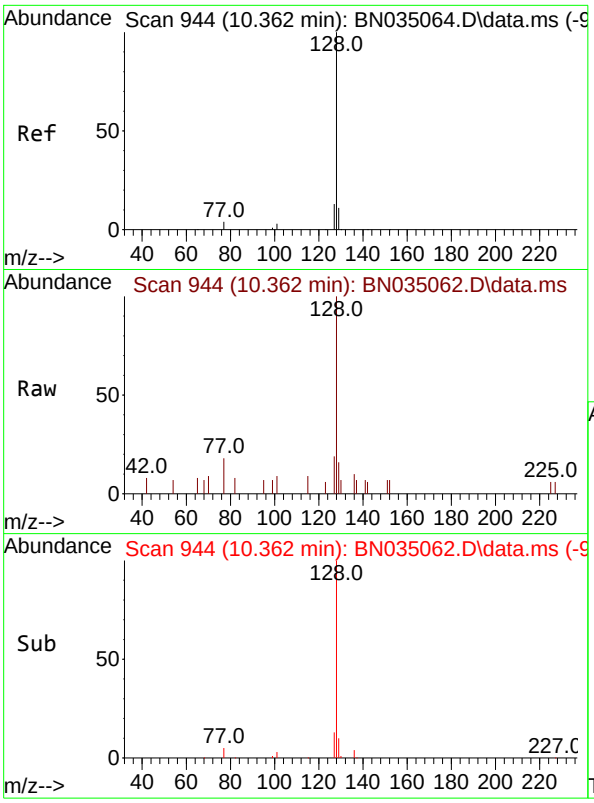


#8
Nitrobenzene-d5
Concen: 0.103 ng
RT: 8.696 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Tgt Ion: 82 Resp: 441

Ion	Ratio	Lower	Upper
82	100		
128	54.4	36.5	54.7
54	44.6	28.7	43.1#



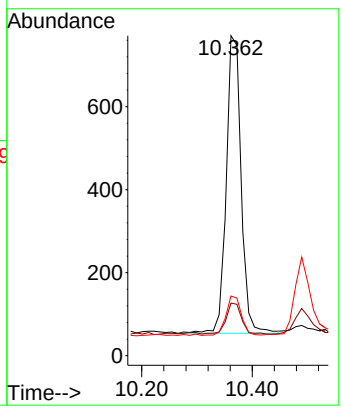


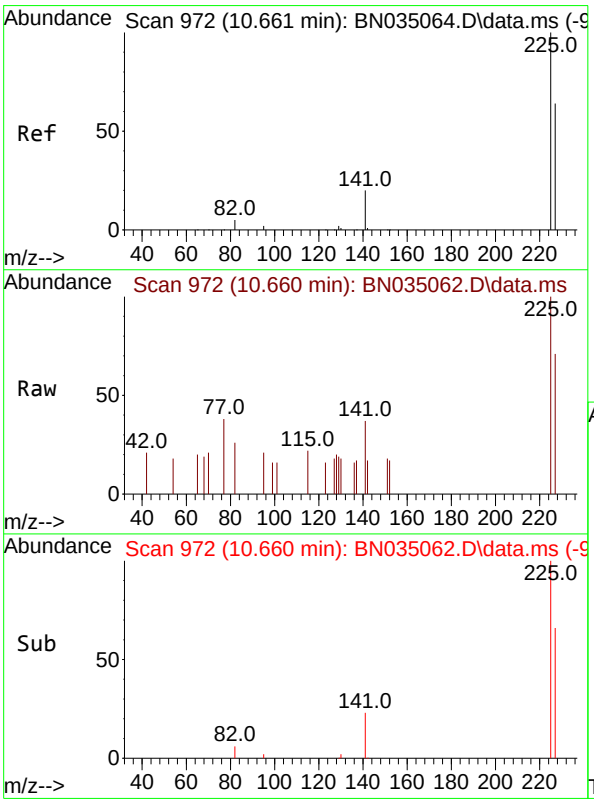
#9
Naphthalene
Concen: 0.104 ng
RT: 10.362 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:128 Resp: 1341

Ion	Ratio	Lower	Upper
128	100		
129	16.5	9.6	14.4#
127	18.7	11.6	17.4#

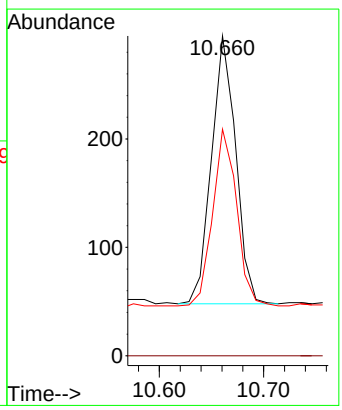


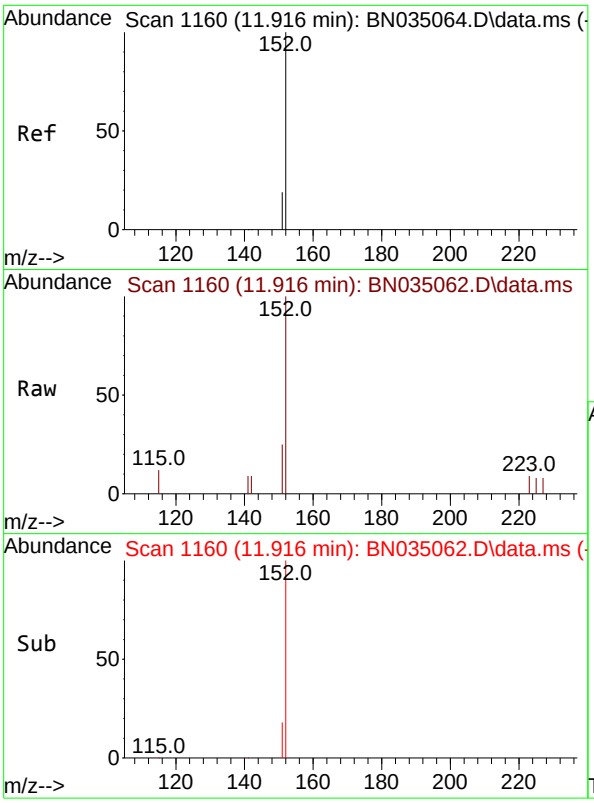


#10
Hexachlorobutadiene
Concen: 0.106 ng
RT: 10.660 min Scan# 972
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Tgt Ion:225 Resp: 399

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.4	51.5	77.3



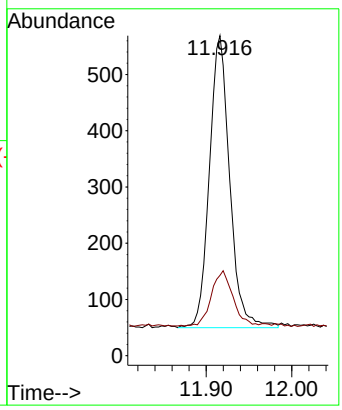


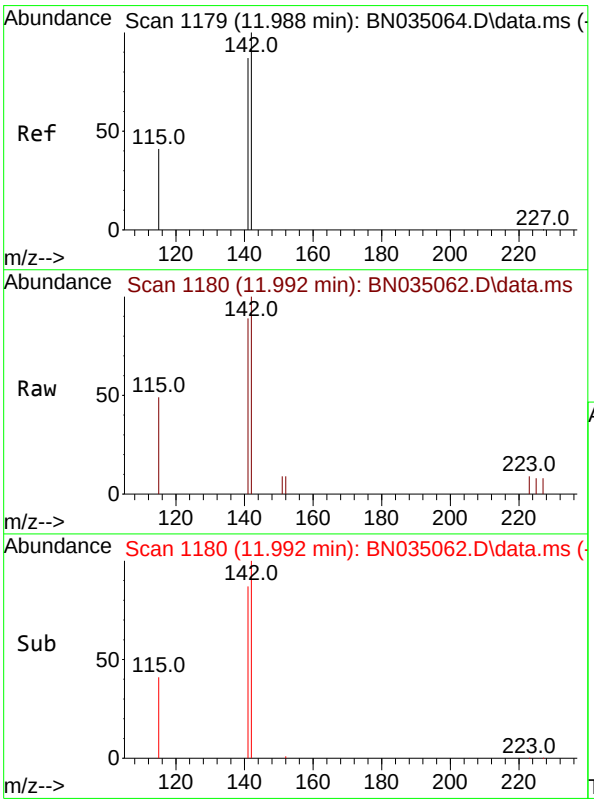
#11
2-Methylnaphthalene-d10
Concen: 0.097 ng
RT: 11.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 855

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.4

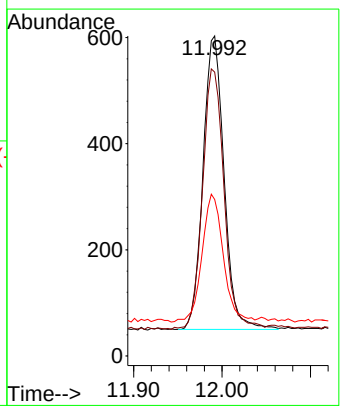


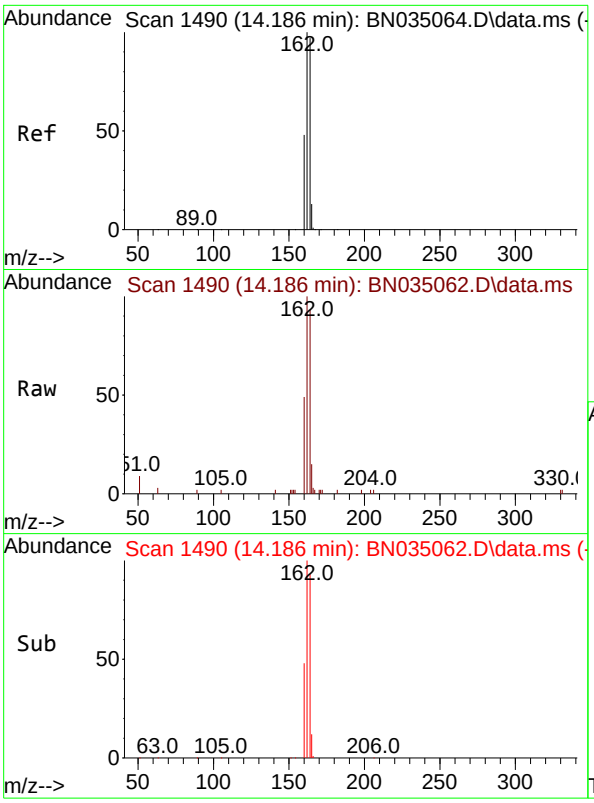


#12
2-Methylnaphthalene
Concen: 0.096 ng
RT: 11.992 min Scan# 1180
Delta R.T. 0.004 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Tgt Ion:142 Resp: 914

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.1	105.1
115	48.9	34.4	51.6



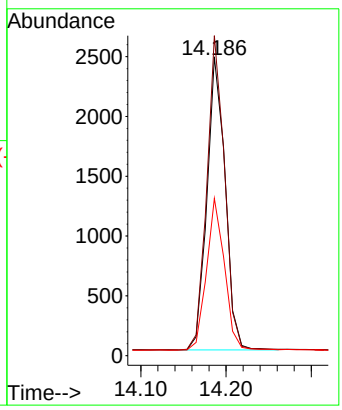


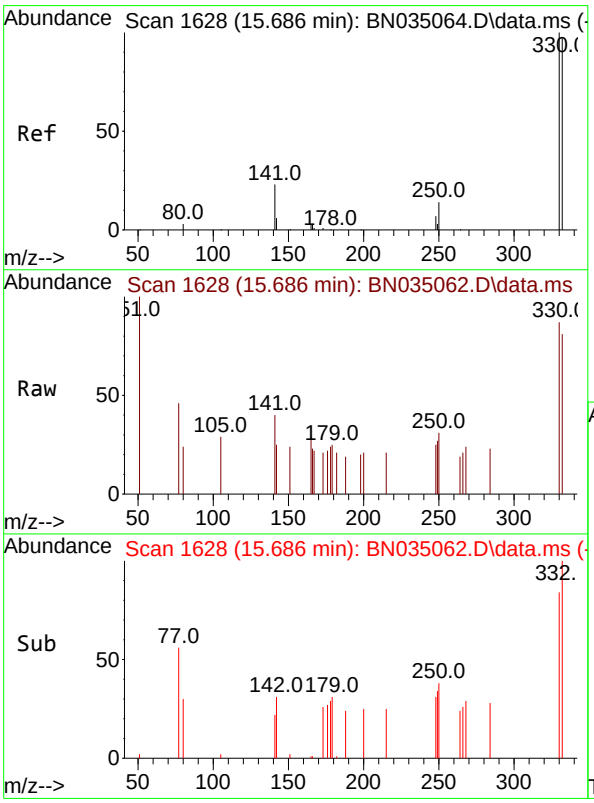
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.186 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:164 Resp: 3629

Ion	Ratio	Lower	Upper
164	100		
162	107.1	82.2	123.2
160	52.6	40.2	60.4

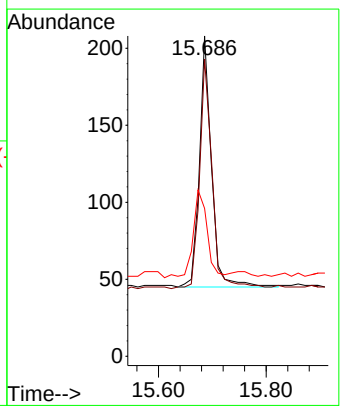


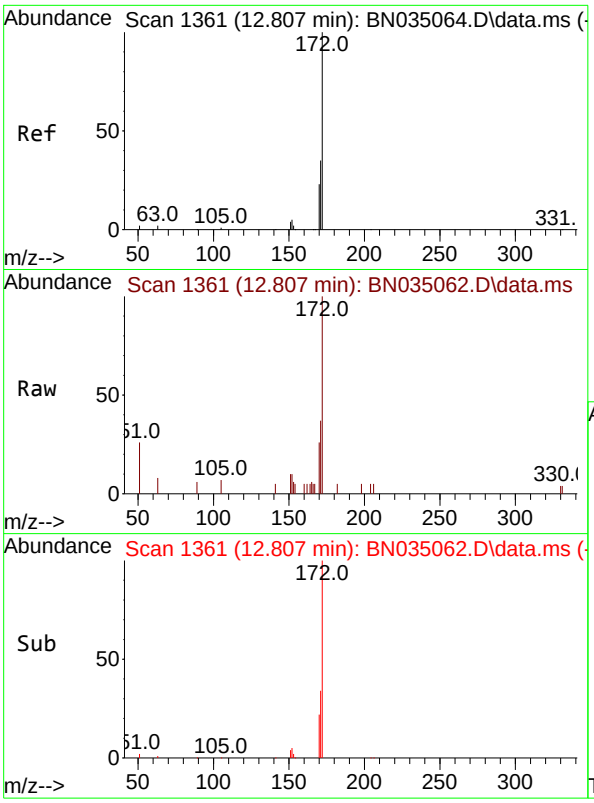


#14
2,4,6-Tribromophenol
Concen: 0.097 ng
RT: 15.686 min Scan# 1628
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Tgt Ion:330 Resp: 255

Ion	Ratio	Lower	Upper
330	100		
332	90.6	76.9	115.3
141	37.6	29.6	44.4



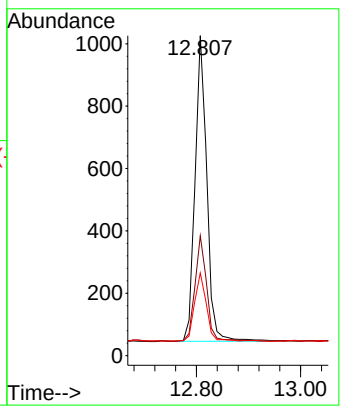


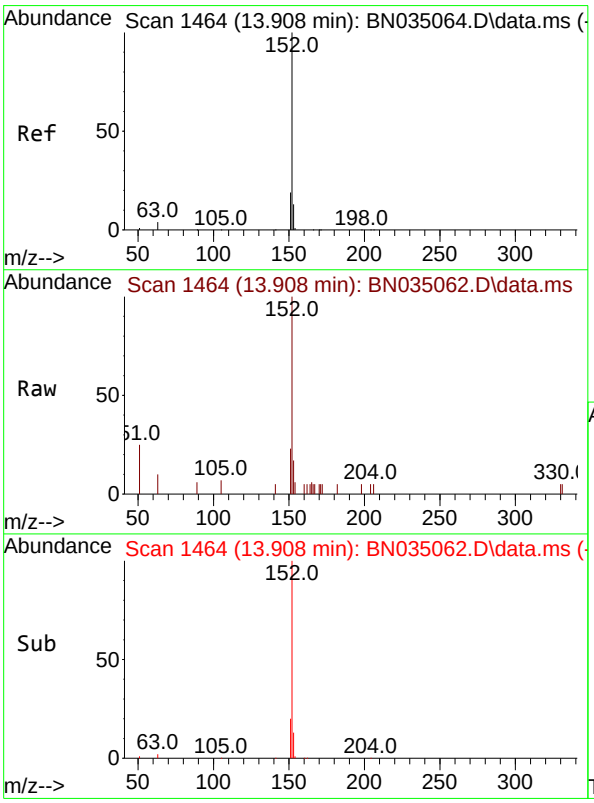
#15
2-Fluorobiphenyl
Concen: 0.105 ng
RT: 12.807 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:172 Resp: 1543

Ion	Ratio	Lower	Upper
172	100		
171	37.4	28.2	42.4
170	25.8	19.0	28.6

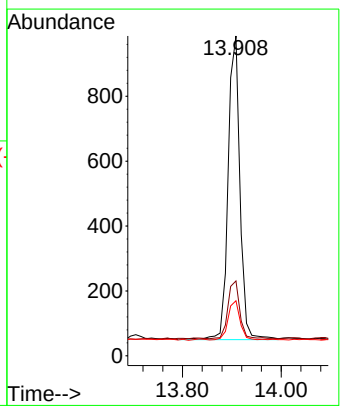


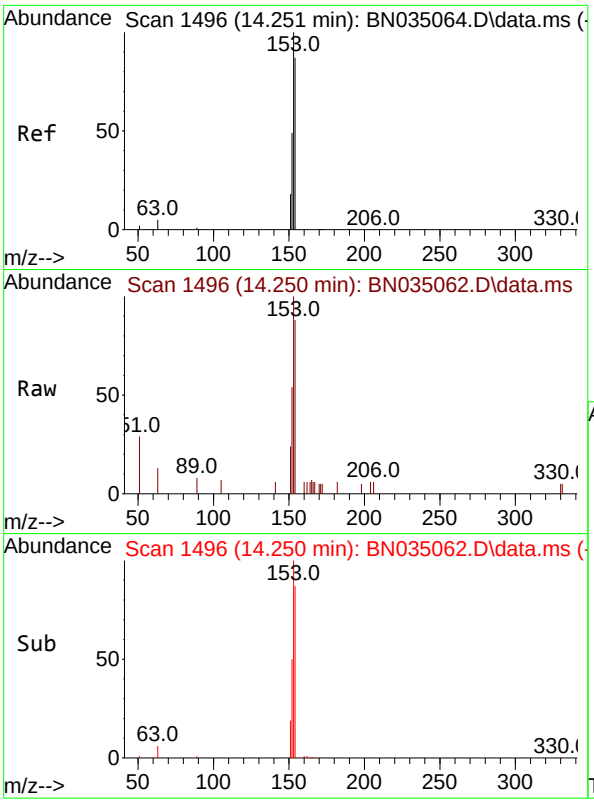


#16
Acenaphthylene
Concen: 0.100 ng
RT: 13.908 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Tgt Ion:152 Resp: 1556

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.8
153	13.2	10.2	15.4



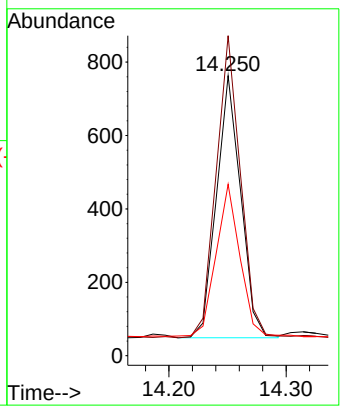


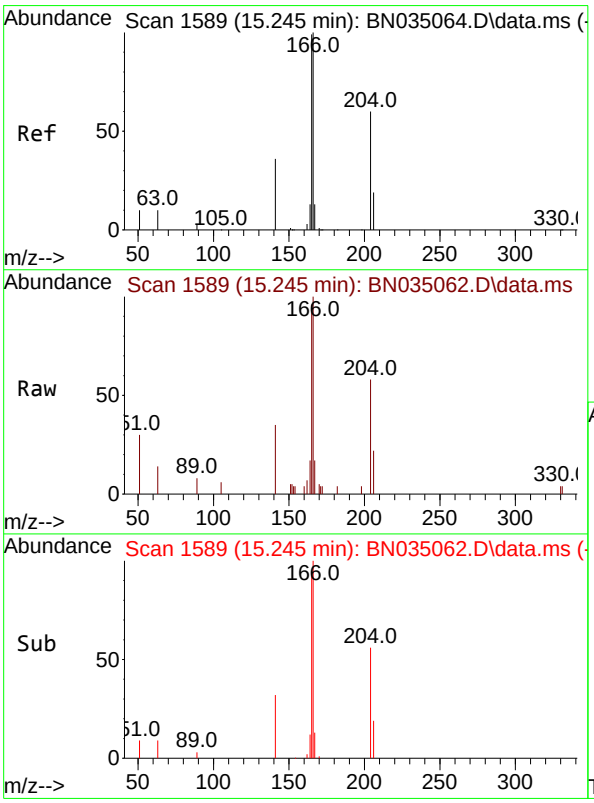
#17
Acenaphthene
Concen: 0.101 ng
RT: 14.250 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:154 Resp: 1024

Ion	Ratio	Lower	Upper
154	100		
153	116.6	91.6	137.4
152	57.9	45.8	68.6

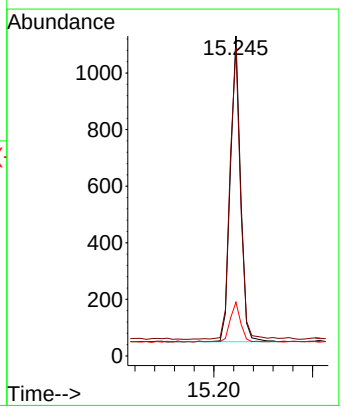


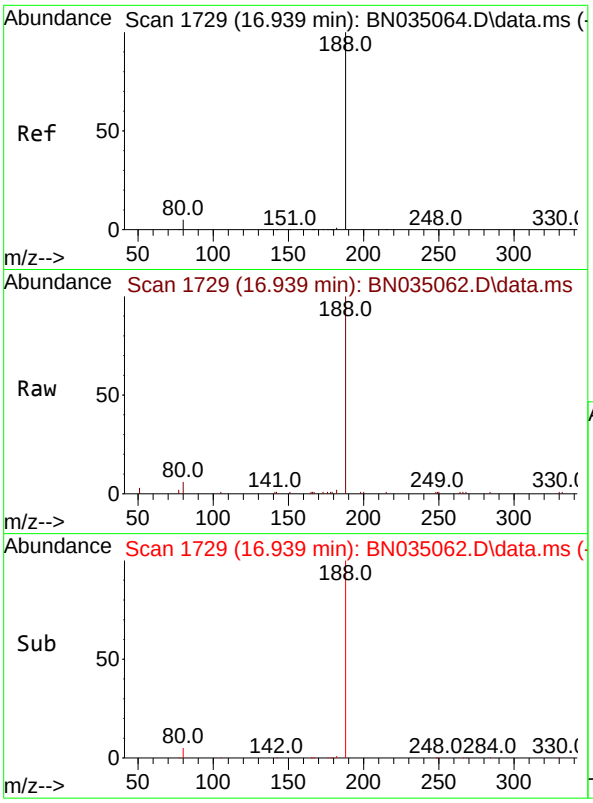


#18
Fluorene
Concen: 0.103 ng
RT: 15.245 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Tgt Ion:166 Resp: 1546

Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.1	118.7
167	12.9	10.6	16.0



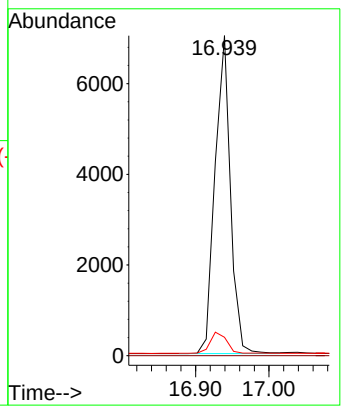


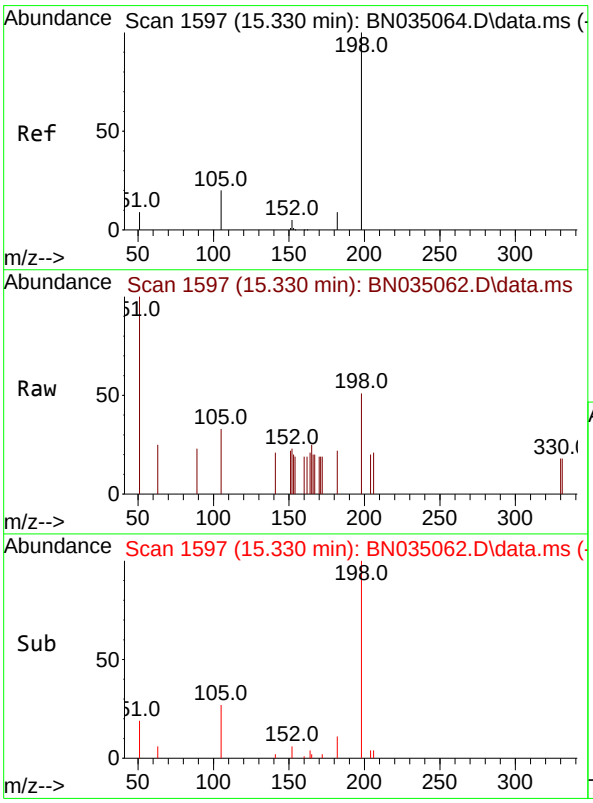
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.939 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:188 Resp: 10187

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.7	4.3	6.5

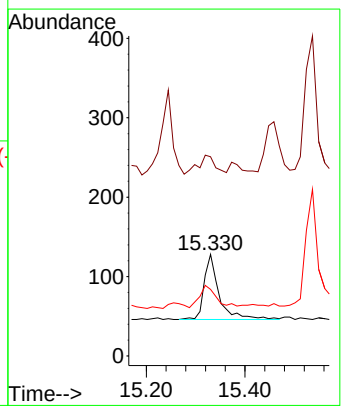


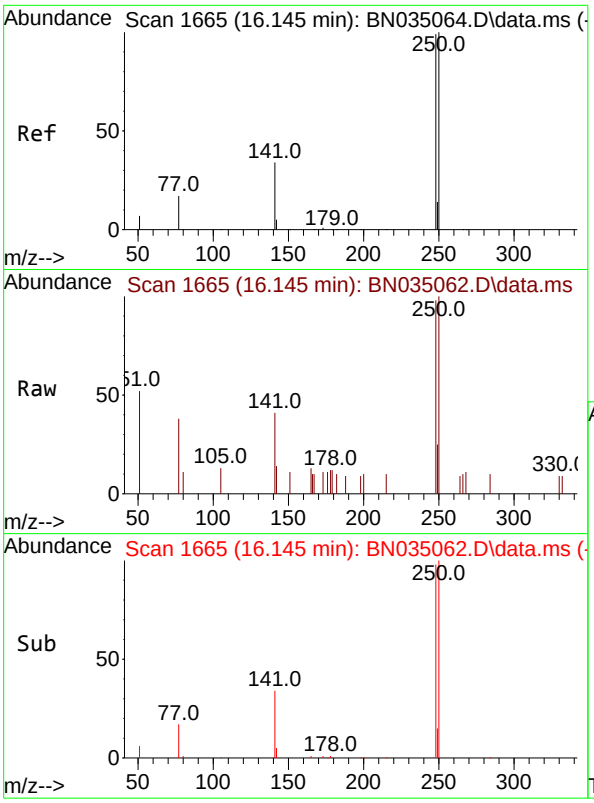


#20
4,6-Dinitro-2-methylphenol
Concen: 0.081 ng
RT: 15.330 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Tgt Ion:198 Resp: 172

Ion	Ratio	Lower	Upper
198	100		
51	196.1	29.9	44.9#
105	65.6	23.7	35.5#



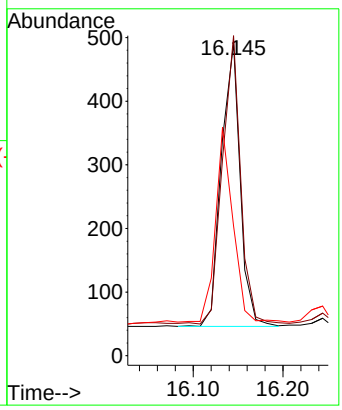


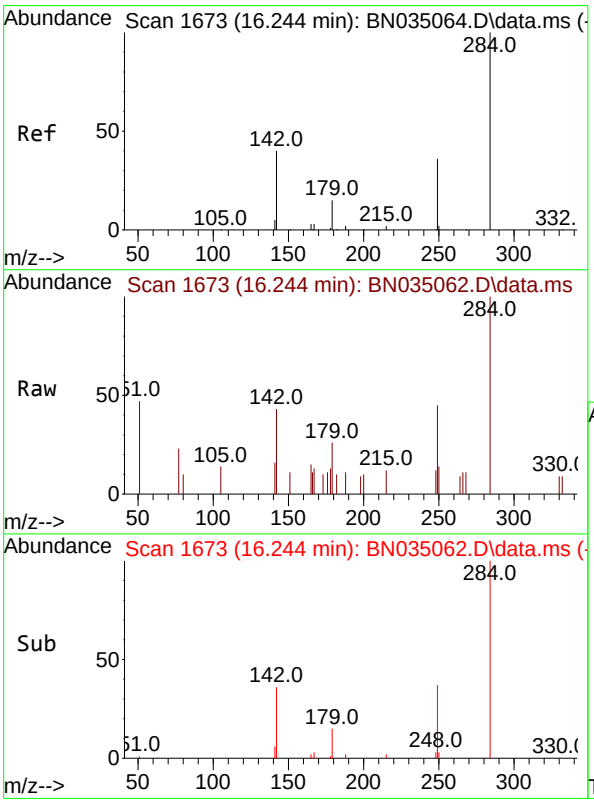
#21
4-Bromophenyl-phenylether
Concen: 0.100 ng
RT: 16.145 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:248 Resp: 651

Ion	Ratio	Lower	Upper
248	100		
250	102.4	81.2	121.8
141	41.5	29.1	43.7

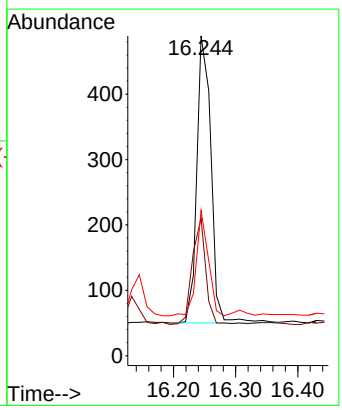


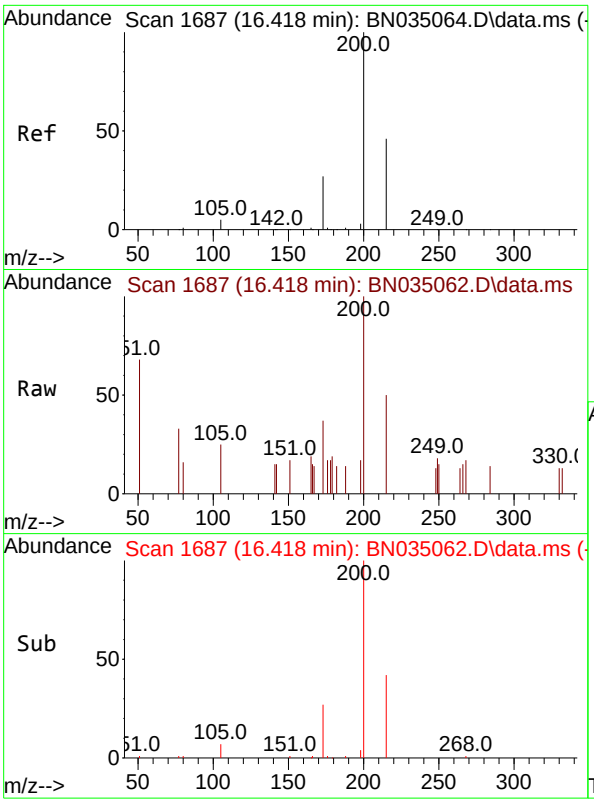


#22
Hexachlorobenzene
Concen: 0.104 ng
RT: 16.244 min Scan# 1673
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Tgt Ion:284 Resp: 701

Ion	Ratio	Lower	Upper
284	100		
142	34.5	28.2	42.4
249	31.4	26.2	39.2



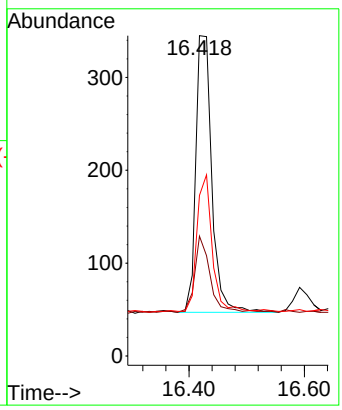


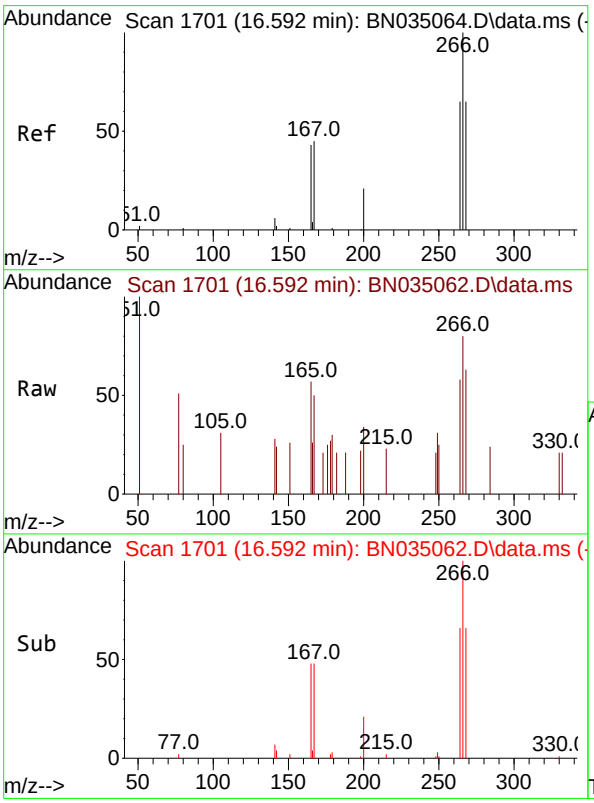
#23
Atrazine
Concen: 0.099 ng
RT: 16.418 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:200 Resp: 577

Ion	Ratio	Lower	Upper
200	100		
173	37.4	22.6	33.8#
215	50.1	37.8	56.6

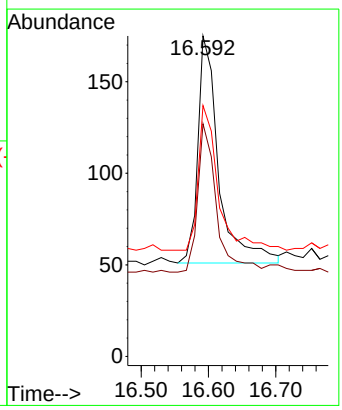


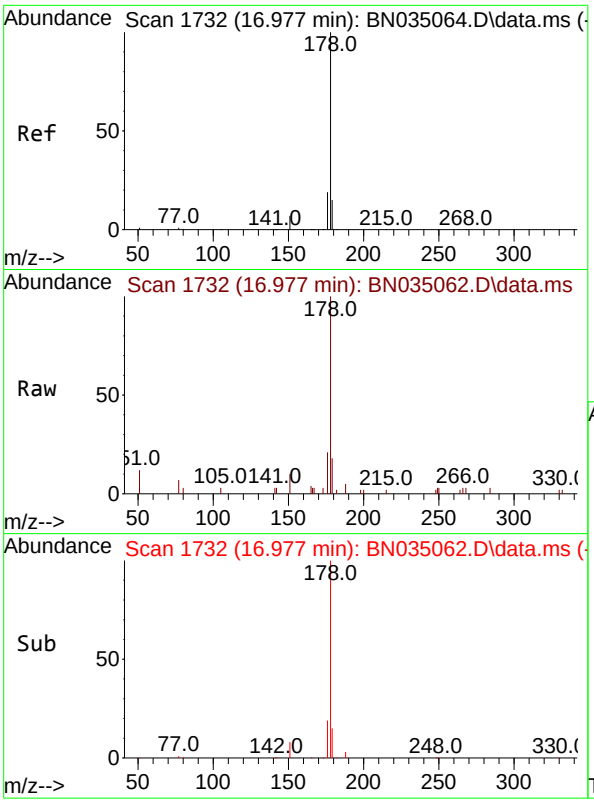


#24
Pentachlorophenol
Concen: 0.085 ng
RT: 16.592 min Scan# 1701
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Tgt Ion:266 Resp: 269

Ion	Ratio	Lower	Upper
266	100		
264	58.4	49.4	74.0
268	60.2	52.6	79.0



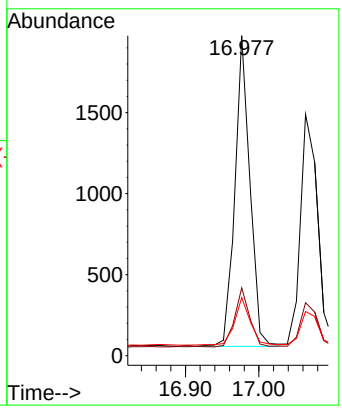


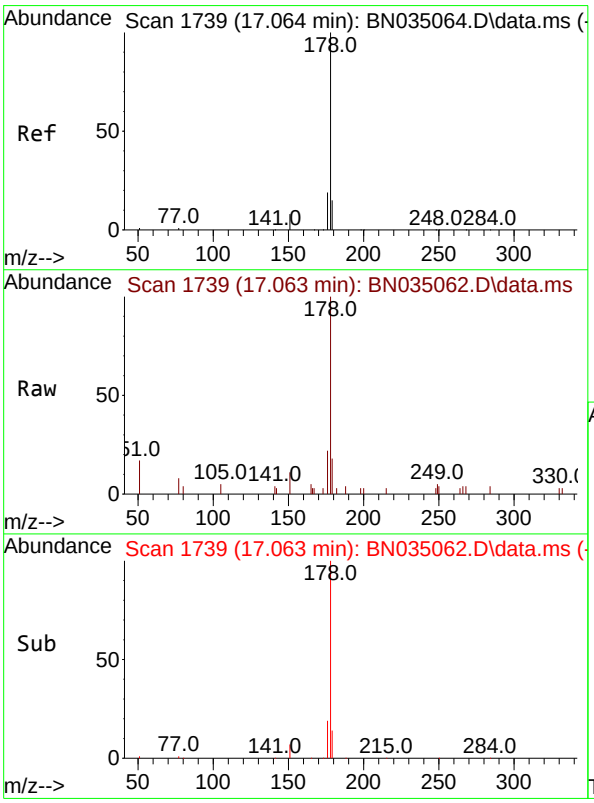
#25
Phenanthrene
Concen: 0.102 ng
RT: 16.977 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 2723

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.9	12.6	18.8

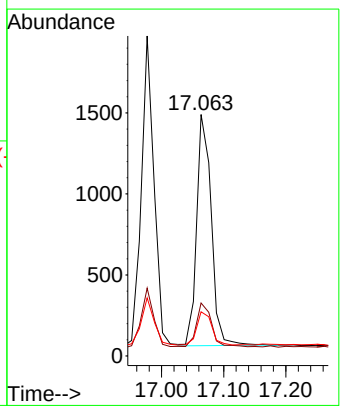


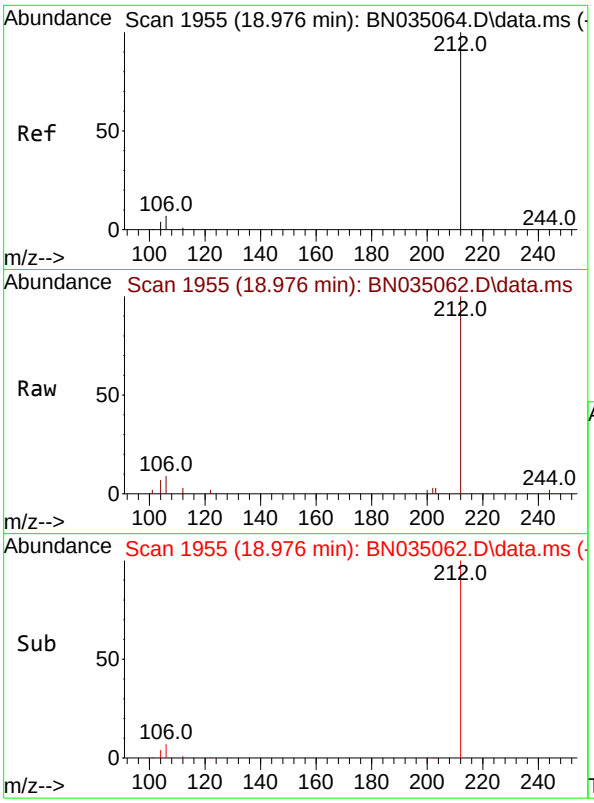


#26
Anthracene
Concen: 0.095 ng
RT: 17.063 min Scan# 1739
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Tgt Ion:178 Resp: 2335

Ion	Ratio	Lower	Upper
178	100		
176	19.6	14.6	22.0
179	14.8	12.2	18.2



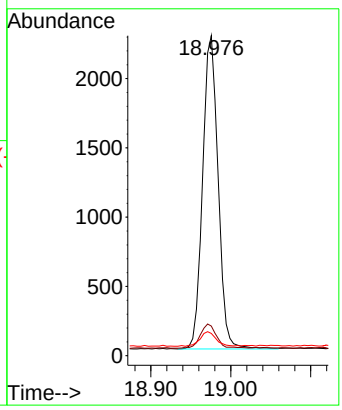


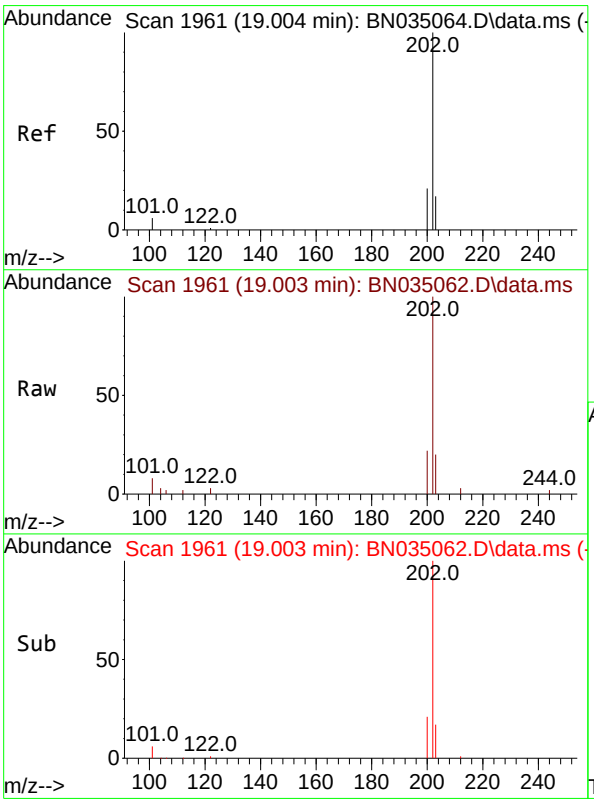
#27
Fluoranthene-d10
Concen: 0.098 ng
RT: 18.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:212 Resp: 3046

Ion	Ratio	Lower	Upper
212	100		
106	7.8	6.0	9.0
104	4.8	3.5	5.3

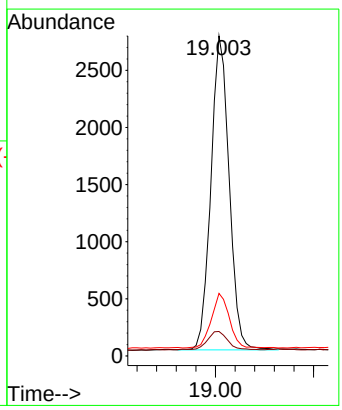


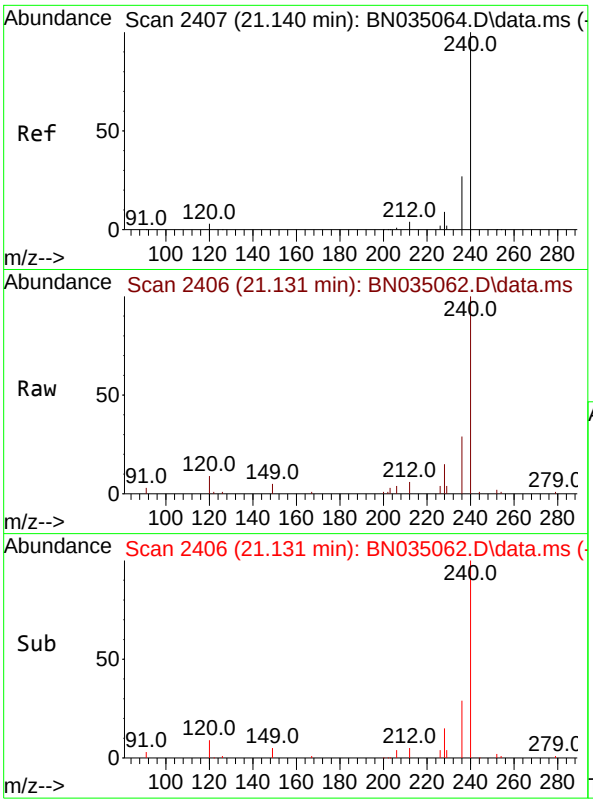


#28
Fluoranthene
Concen: 0.096 ng
RT: 19.003 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Tgt Ion:202 Resp: 3554

Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.2	7.8
203	17.2	13.8	20.8



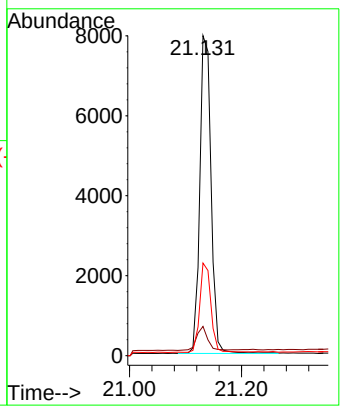


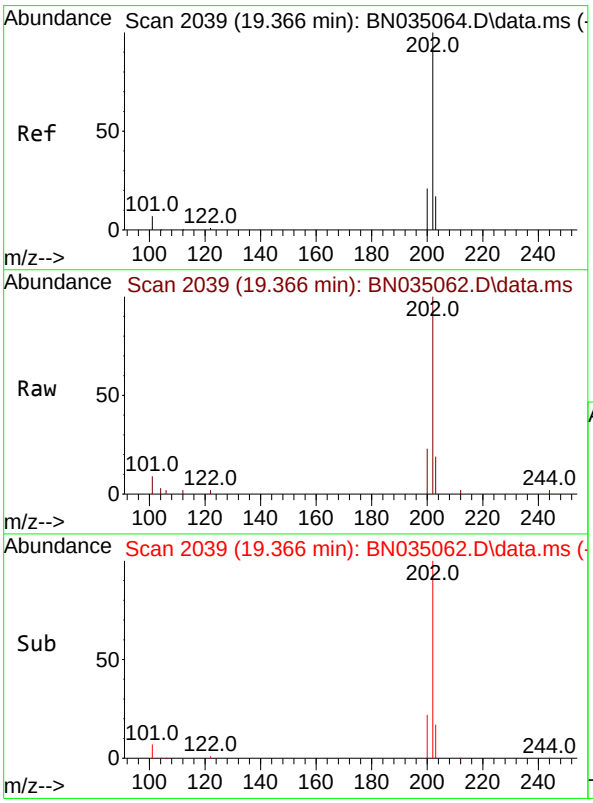
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.131 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:240 Resp: 11121

Ion	Ratio	Lower	Upper
240	100		
120	9.1	3.8	5.6#
236	28.9	22.2	33.2

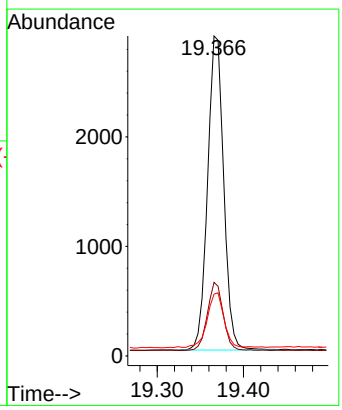


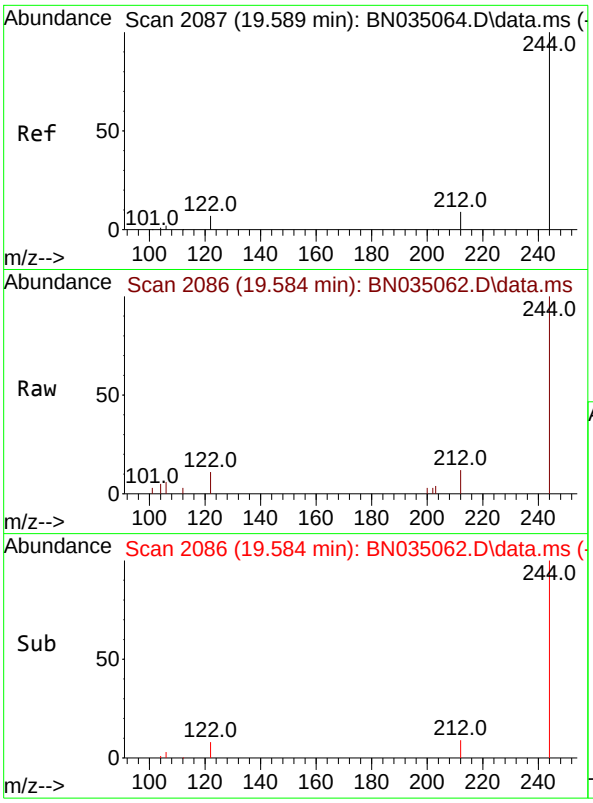


#30
Pyrene
Concen: 0.101 ng
RT: 19.366 min Scan# 2039
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Tgt Ion:202 Resp: 3722

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	18.8	14.2	21.4



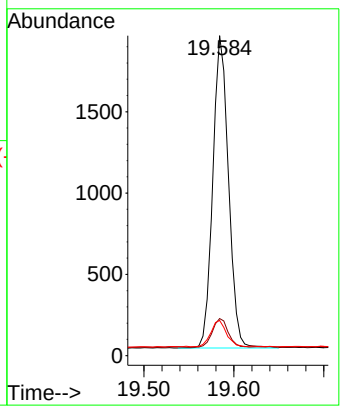


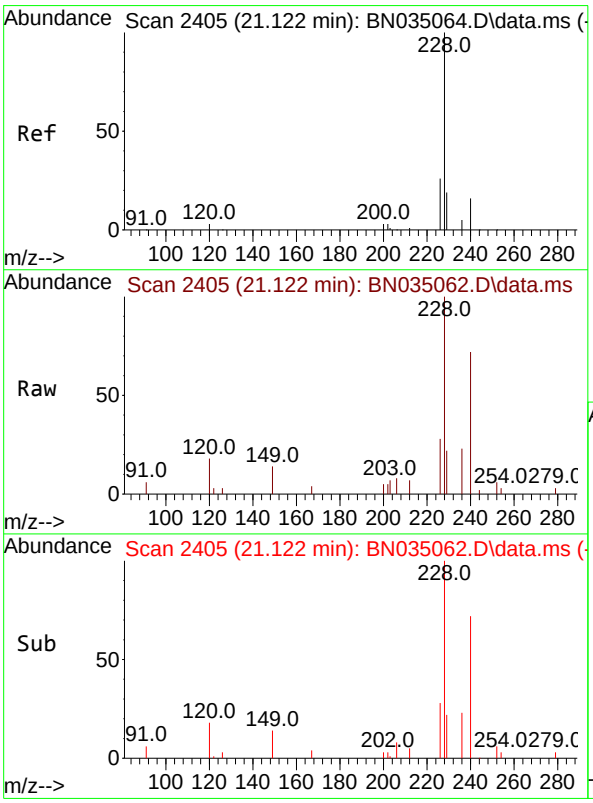
#31
Terphenyl-d14
Concen: 0.100 ng
RT: 19.584 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:244 Resp: 2331

Ion	Ratio	Lower	Upper
244	100		
212	11.6	7.6	11.4#
122	11.0	6.1	9.1#

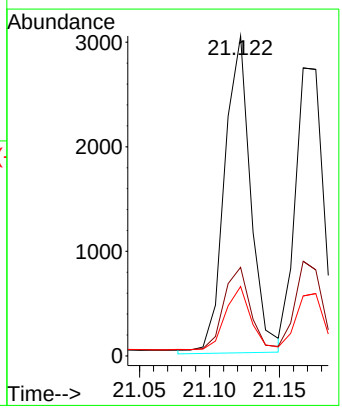


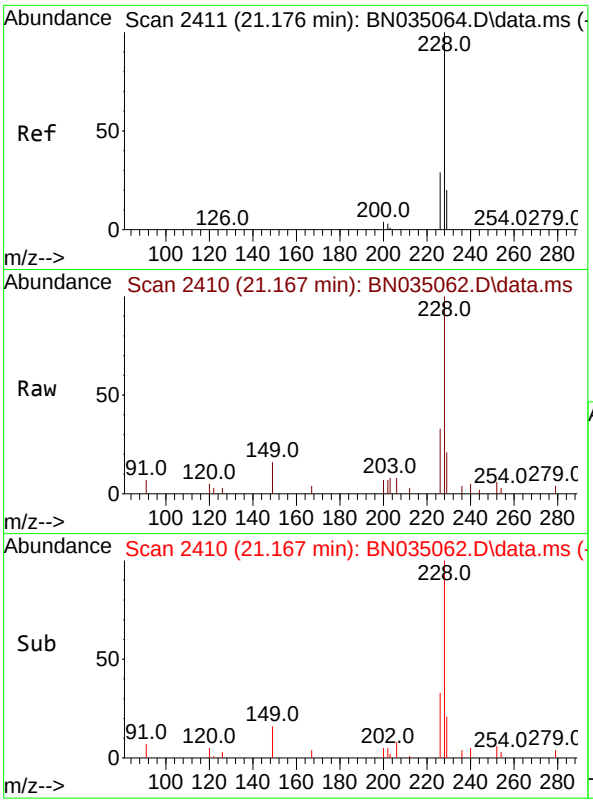


#32
Benzo(a)anthracene
Concen: 0.102 ng
RT: 21.122 min Scan# 2405
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Tgt Ion:228 Resp: 3952

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.4	32.0
229	21.7	15.7	23.5



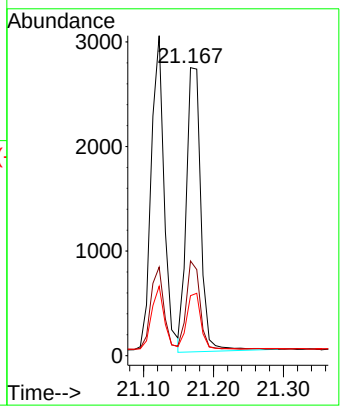


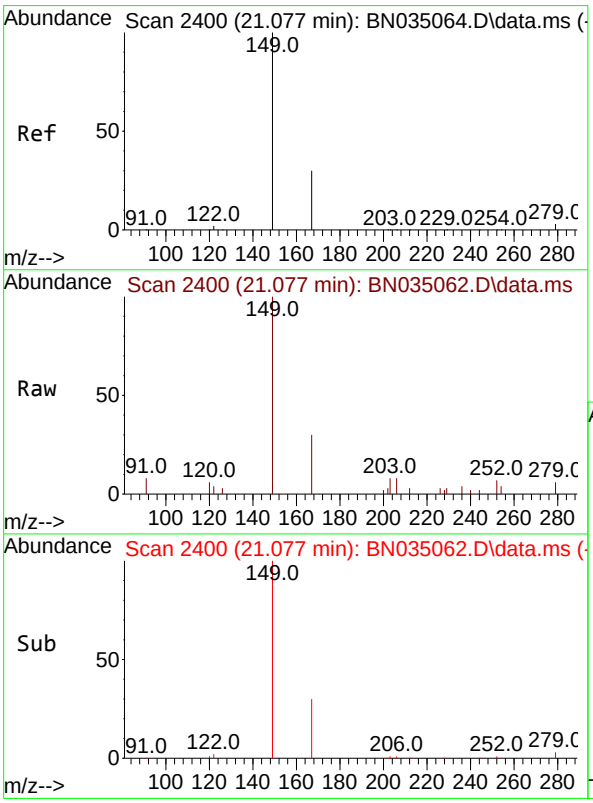
#33
Chrysene
Concen: 0.102 ng
RT: 21.167 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:228 Resp: 3918

Ion	Ratio	Lower	Upper
228	100		
226	32.9	23.7	35.5
229	20.8	16.2	24.4

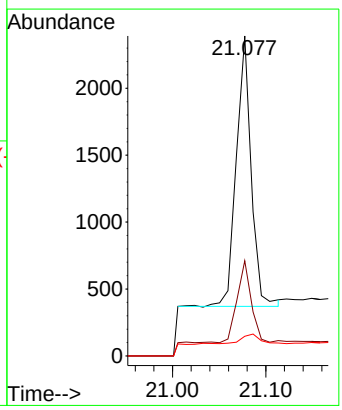


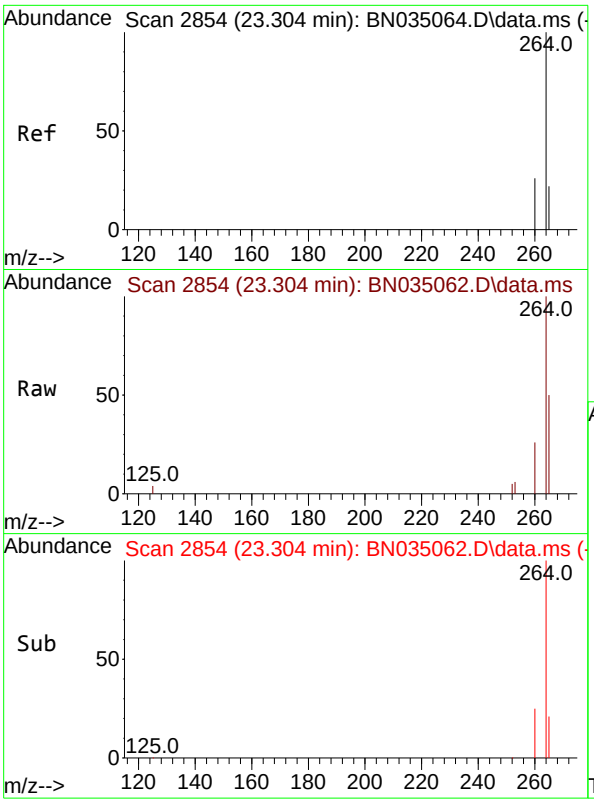


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.112 ng
RT: 21.077 min Scan# 2400
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Tgt Ion:149 Resp: 2250

Ion	Ratio	Lower	Upper
149	100		
167	29.3	23.2	34.8
279	5.8	3.2	4.8#



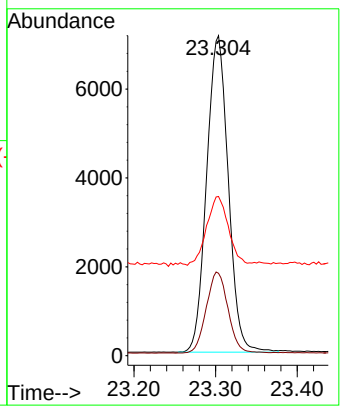


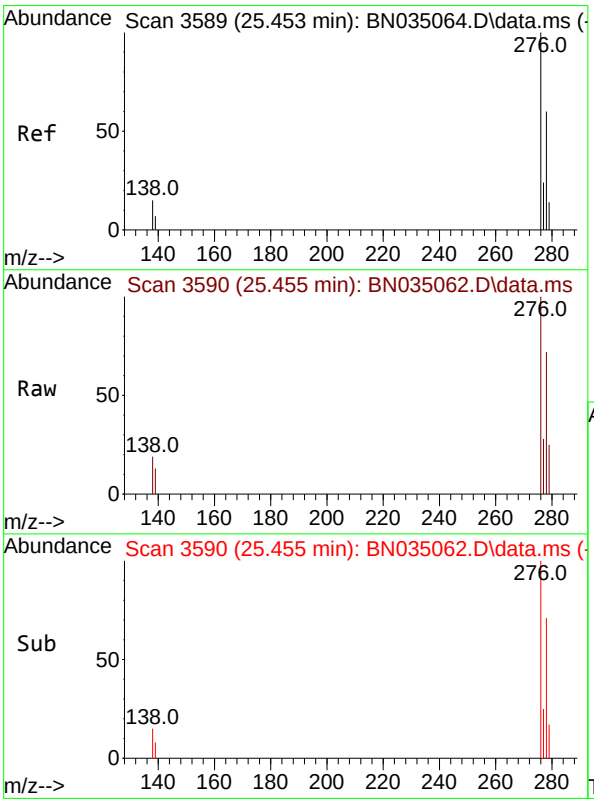
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.304 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:264 Resp: 13104

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.9	31.3
265	49.8	35.4	53.2

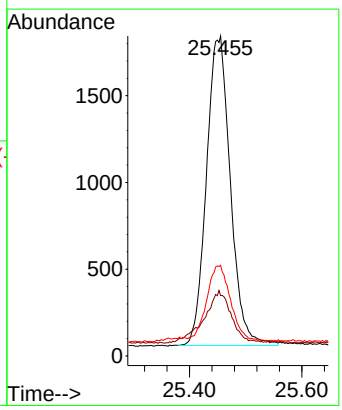


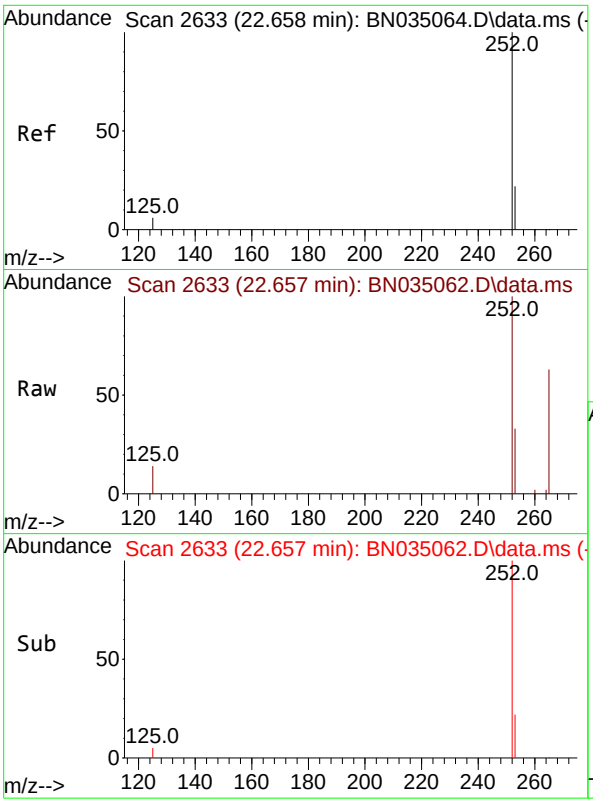


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.101 ng
RT: 25.455 min Scan# 3590
Delta R.T. 0.003 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Tgt Ion:276 Resp: 5271

Ion	Ratio	Lower	Upper
276	100		
138	19.3	13.0	19.4
277	23.9	19.8	29.6



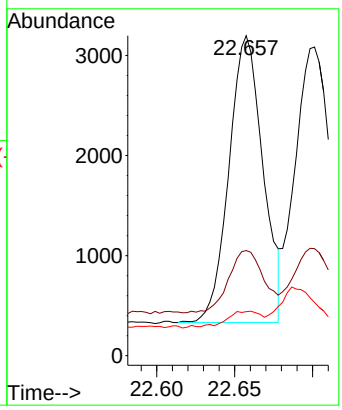


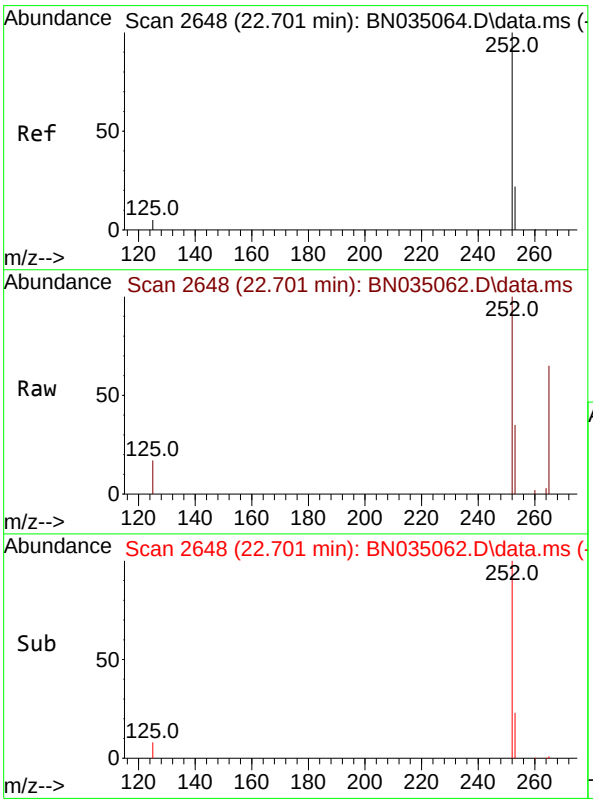
#37
Benzo(b)fluoranthene
Concen: 0.099 ng
RT: 22.657 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 4345

Ion	Ratio	Lower	Upper
252	100		
253	32.9	19.3	28.9#
125	13.8	6.2	9.2#

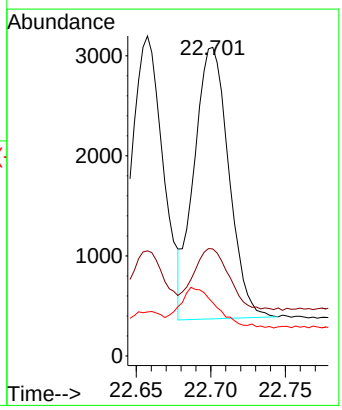


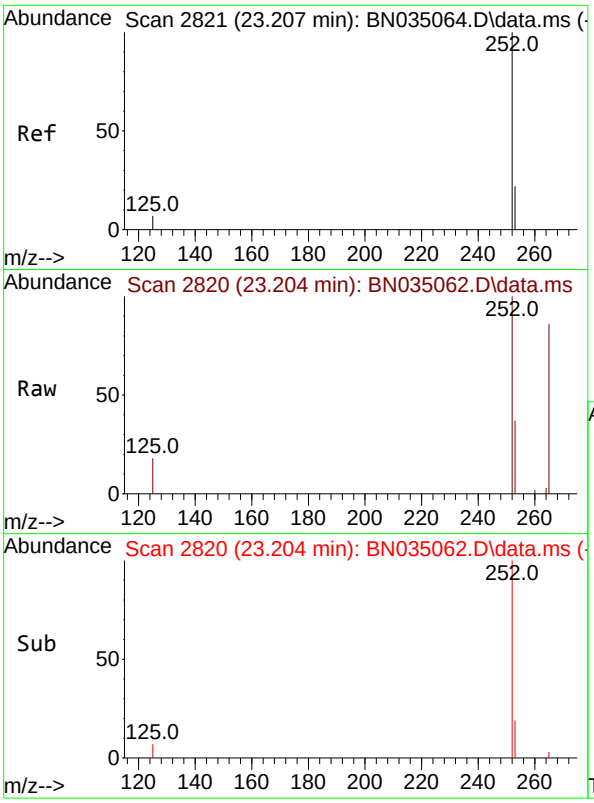


#38
Benzo(k)fluoranthene
Concen: 0.100 ng
RT: 22.701 min Scan# 2648
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Tgt Ion:252 Resp: 4395

Ion	Ratio	Lower	Upper
252	100		
253	34.7	19.5	29.3#
125	17.3	6.5	9.7#



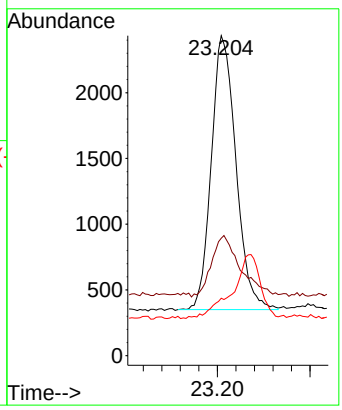


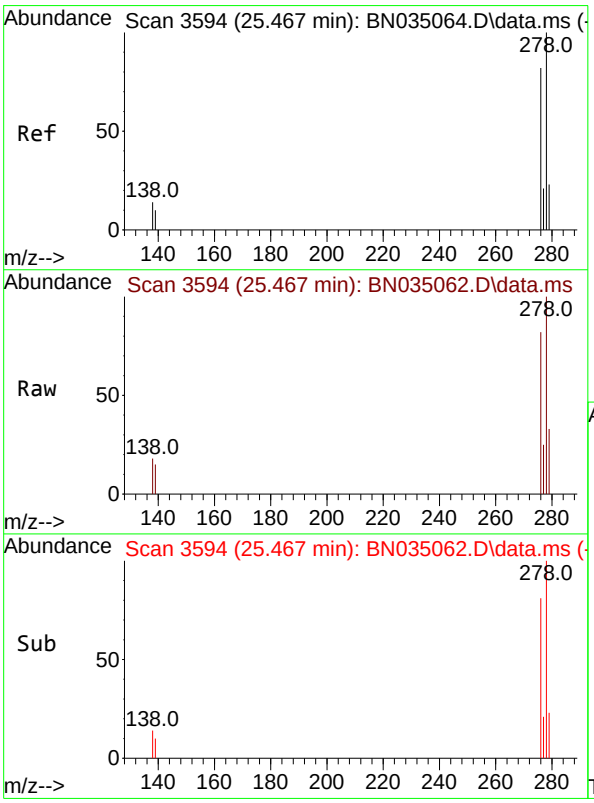
#39
Benzo(a)pyrene
Concen: 0.099 ng
RT: 23.204 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 3841

Ion	Ratio	Lower	Upper
252	100		
253	36.7	20.1	30.1#
125	18.0	7.5	11.3#

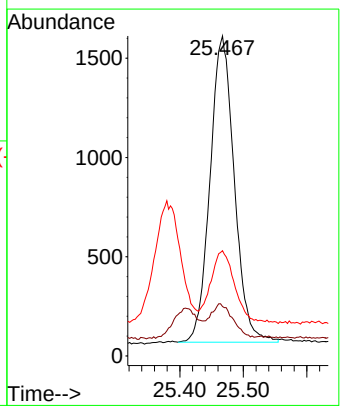


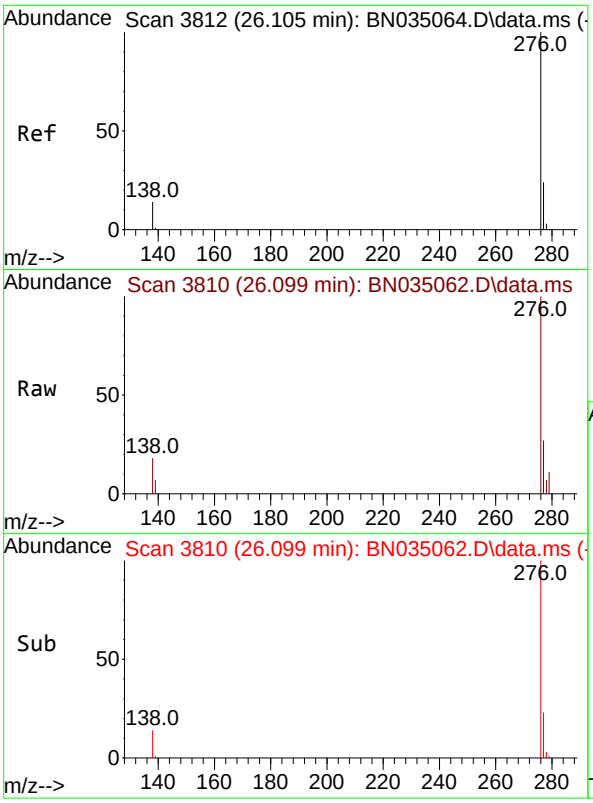


#40
Dibenzo(a,h)anthracene
Concen: 0.099 ng
RT: 25.467 min Scan# 3594
Delta R.T. -0.000 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Tgt Ion:278 Resp: 4089

Ion	Ratio	Lower	Upper
278	100		
139	15.4	9.3	13.9#
279	32.9	19.7	29.5#



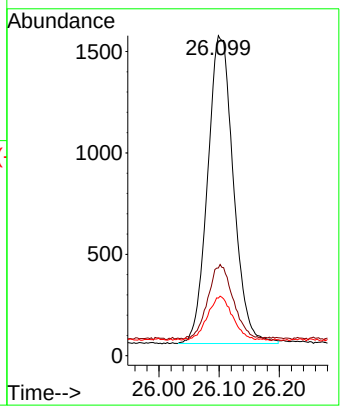


#41
Benzo(g,h,i)perylene
Concen: 0.103 ng
RT: 26.099 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN035062.D
Acq: 13 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 4521

Ion	Ratio	Lower	Upper
276	100		
277	27.4	19.9	29.9
138	18.0	11.6	17.4#



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035063.D
Acq On : 13 Nov 2024 13:16
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Nov 13 16:43:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 16:42:01 2024
Response via : Initial Calibration

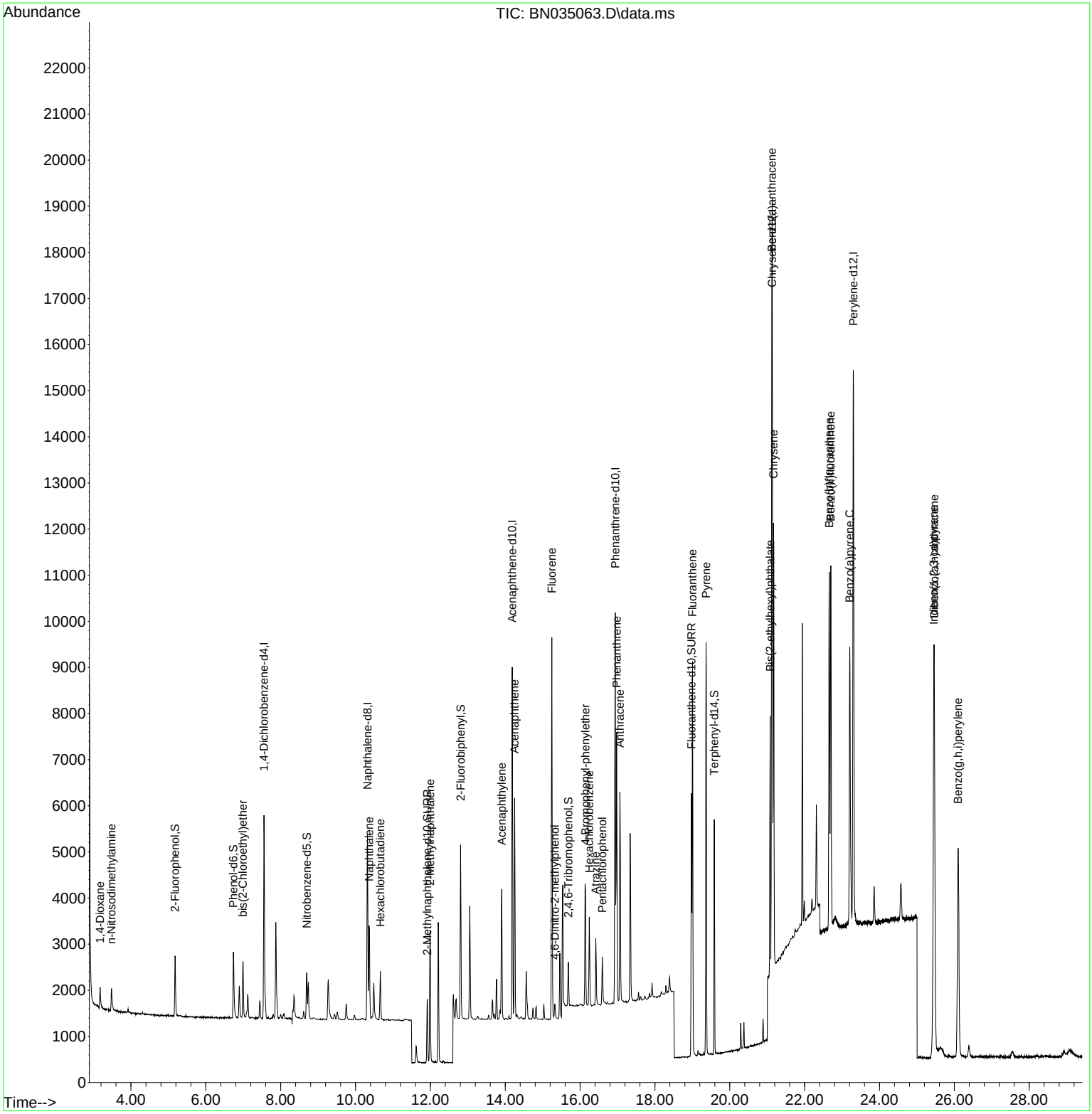
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.553	152	2177	0.400	ng		0.00
7) Naphthalene-d8	10.319	136	5449	0.400	ng		0.00
13) Acenaphthene-d10	14.186	164	4114	0.400	ng		0.00
19) Phenanthrene-d10	16.939	188	11179	0.400	ng		0.00
29) Chrysene-d12	21.131	240	12508	0.400	ng	#	0.00
35) Perylene-d12	23.301	264	14643	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	1131	0.205	ng		0.00
5) Phenol-d6	6.737	99	1392	0.201	ng		0.00
8) Nitrobenzene-d5	8.696	82	921	0.195	ng		0.00
11) 2-Methylnaphthalene-d10	11.916	152	1861	0.192	ng		0.00
14) 2,4,6-Tribromophenol	15.686	330	538	0.181	ng		0.00
15) 2-Fluorobiphenyl	12.807	172	3241	0.194	ng		0.00
27) Fluoranthene-d10	18.976	212	6587	0.192	ng		0.00
31) Terphenyl-d14	19.584	244	5123	0.195	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.177	88	416	0.210	ng		94
3) n-Nitrosodimethylamine	3.480	42	357	0.194	ng	#	97
6) bis(2-Chloroethyl)ether	6.990	93	1033	0.199	ng		99
9) Naphthalene	10.362	128	2748	0.193	ng		96
10) Hexachlorobutadiene	10.661	225	832	0.200	ng	#	99
12) 2-Methylnaphthalene	11.992	142	2039	0.194	ng		97
16) Acenaphthylene	13.908	152	3325	0.189	ng		100
17) Acenaphthene	14.251	154	2219	0.193	ng		99
18) Fluorene	15.245	166	3273	0.193	ng		99
20) 4,6-Dinitro-2-methylph...	15.330	198	376	0.162	ng	#	44
21) 4-Bromophenyl-phenylether	16.145	248	1341	0.188	ng		97
22) Hexachlorobenzene	16.244	284	1445	0.195	ng		99
23) Atrazine	16.418	200	1271	0.199	ng		96
24) Pentachlorophenol	16.592	266	562	0.163	ng		99
25) Phenanthrene	16.977	178	5664	0.193	ng		99
26) Anthracene	17.064	178	5051	0.187	ng		98
28) Fluoranthene	19.004	202	7690	0.190	ng		100
30) Pyrene	19.366	202	8067	0.194	ng		99
32) Benzo(a)anthracene	21.122	228	8558	0.196	ng		99
33) Chrysene	21.167	228	8540	0.198	ng		97
34) Bis(2-ethylhexyl)phtha...	21.077	149	4712	0.208	ng		99
36) Indeno(1,2,3-cd)pyrene	25.450	276	11095	0.190	ng		99
37) Benzo(b)fluoranthene	22.657	252	9315	0.189	ng	#	94
38) Benzo(k)fluoranthene	22.698	252	9432	0.191	ng	#	92
39) Benzo(a)pyrene	23.204	252	8302	0.192	ng	#	92
40) Dibenzo(a,h)anthracene	25.464	278	8750	0.189	ng		95
41) Benzo(g,h,i)perylene	26.099	276	9431	0.192	ng		98

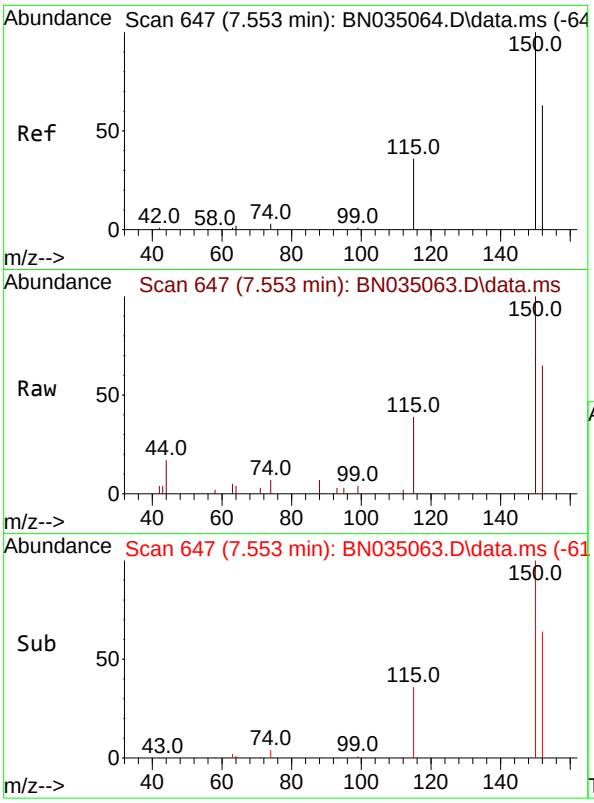
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035063.D
Acq On : 13 Nov 2024 13:16
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Nov 13 16:43:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 16:42:01 2024
Response via : Initial Calibration



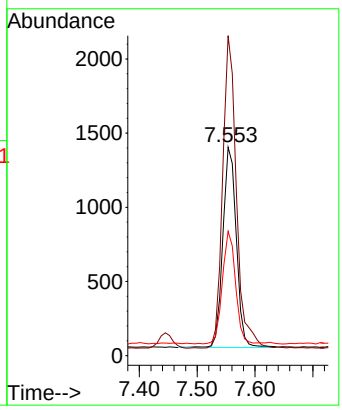


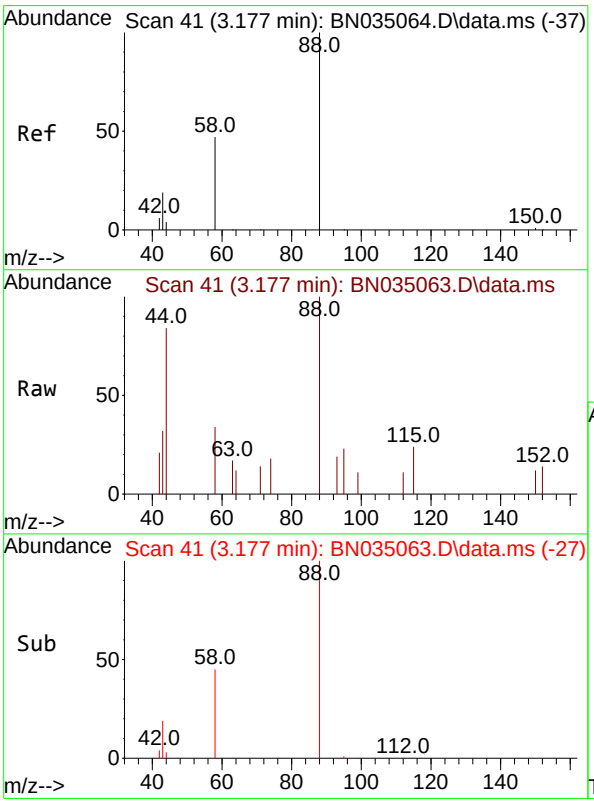
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.553 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 2177

Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.5	186.7
115	59.6	47.8	71.6

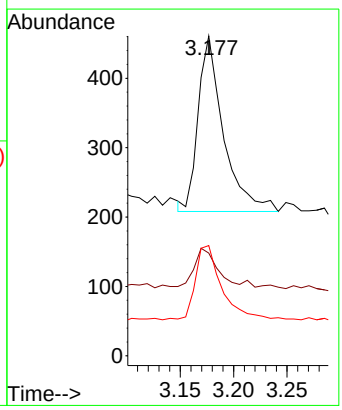


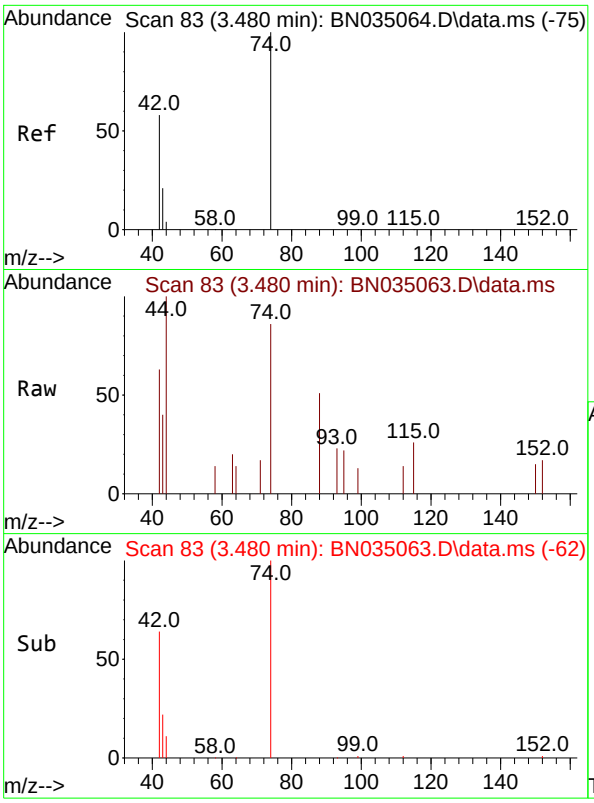


#2
1,4-Dioxane
Concen: 0.210 ng
RT: 3.177 min Scan# 41
Delta R.T. 0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Tgt Ion: 88 Resp: 416

Ion	Ratio	Lower	Upper
88	100		
43	24.3	16.9	25.3
58	44.5	39.0	58.4



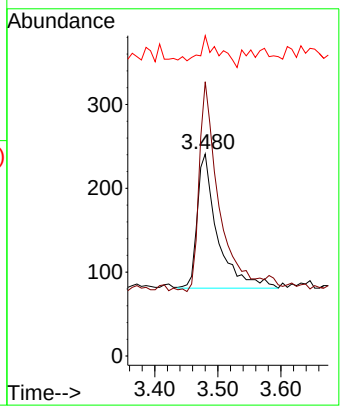


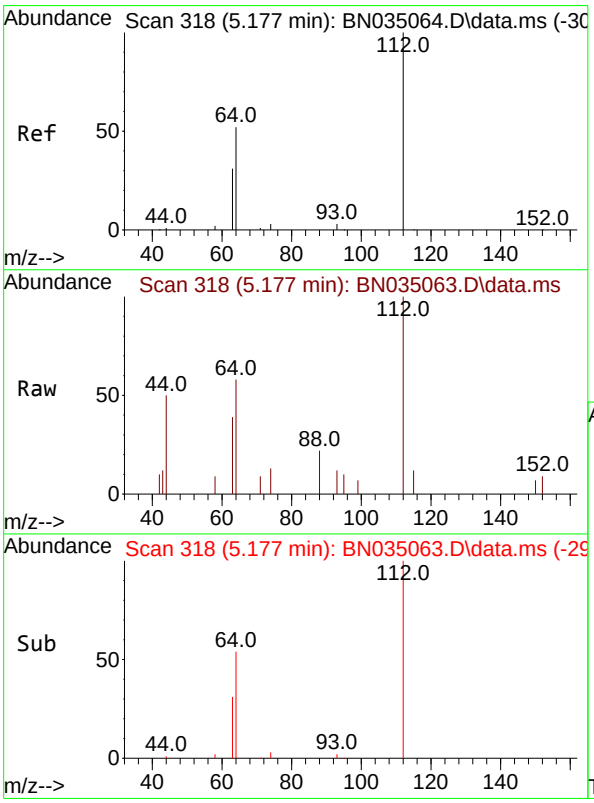
#3
n-Nitrosodimethylamine
Concen: 0.194 ng
RT: 3.480 min Scan# 8
Delta R.T. 0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 42 Resp: 357

Ion	Ratio	Lower	Upper
42	100		
74	149.3	120.8	181.2
44	22.1	2.9	4.3#

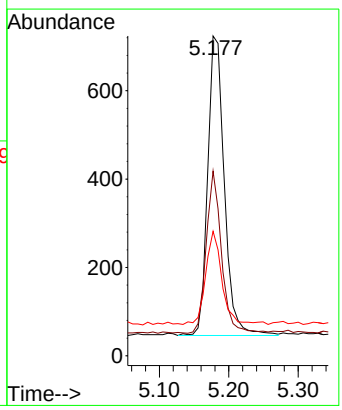


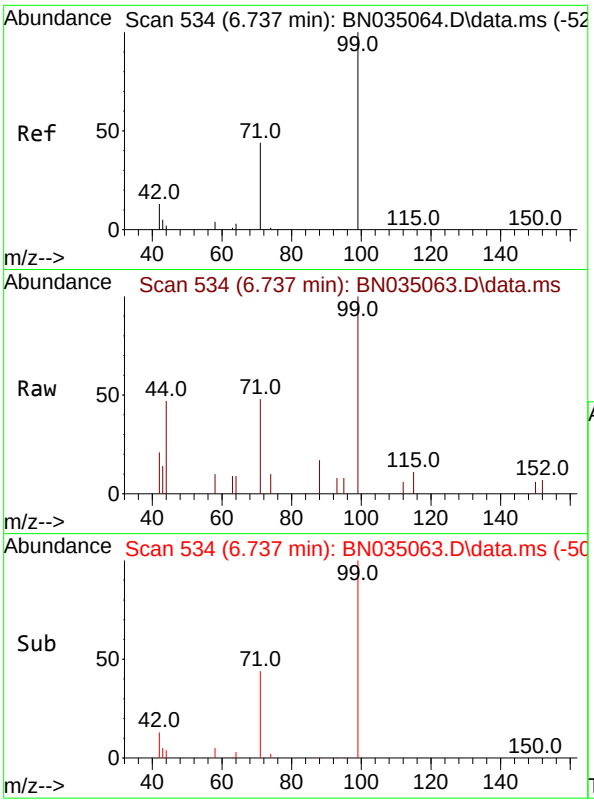


#4
2-Fluorophenol
Concen: 0.205 ng
RT: 5.177 min Scan# 318
Delta R.T. -0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Tgt Ion:112 Resp: 1131

Ion	Ratio	Lower	Upper
112	100		
64	49.8	39.7	59.5
63	30.4	23.0	34.4



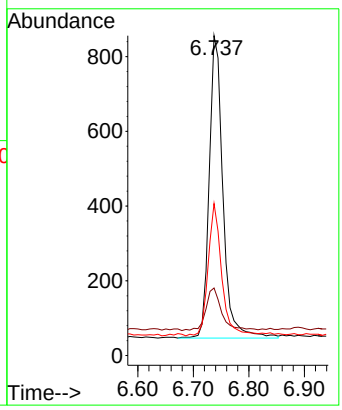


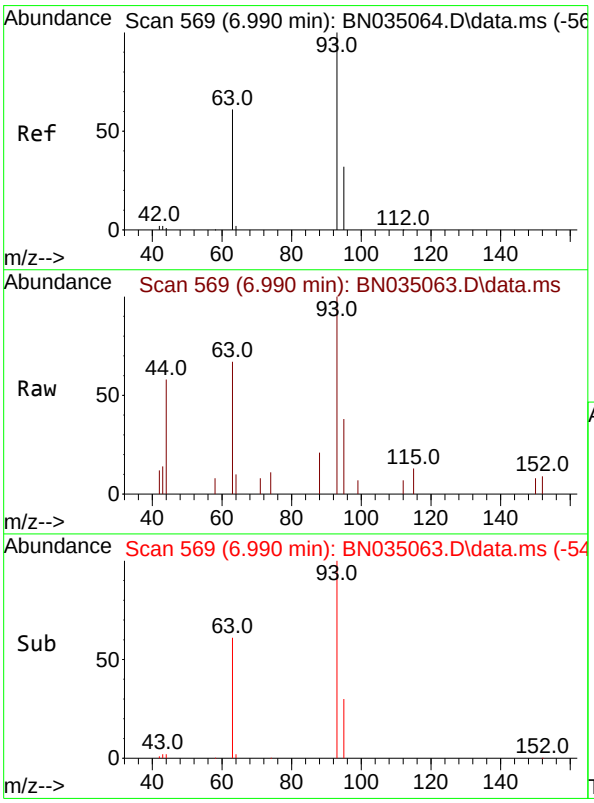
#5
Phenol-d6
Concen: 0.201 ng
RT: 6.737 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 1392

Ion	Ratio	Lower	Upper
99	100		
42	16.1	11.4	17.0
71	43.0	34.6	51.8

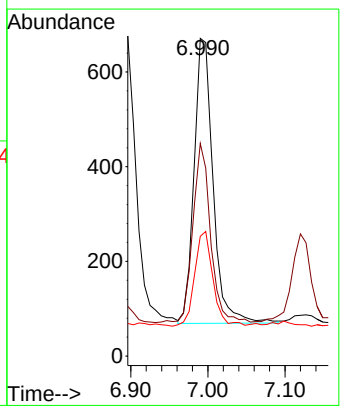


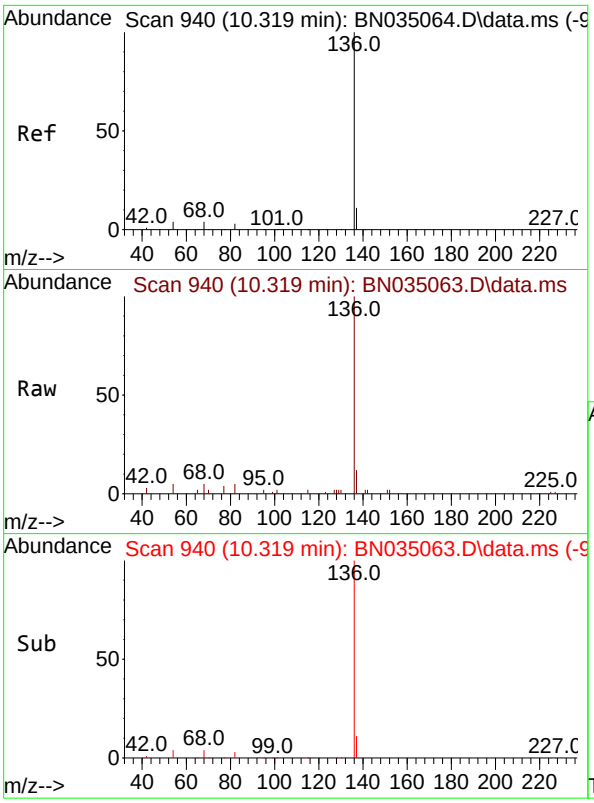


#6
bis(2-Chloroethyl)ether
Concen: 0.199 ng
RT: 6.990 min Scan# 569
Delta R.T. 0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Tgt Ion: 93 Resp: 1033

Ion	Ratio	Lower	Upper
93	100		
63	58.2	47.4	71.2
95	32.1	26.2	39.4



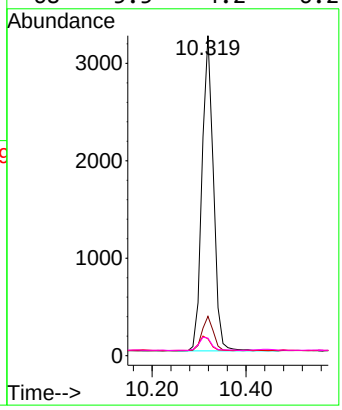


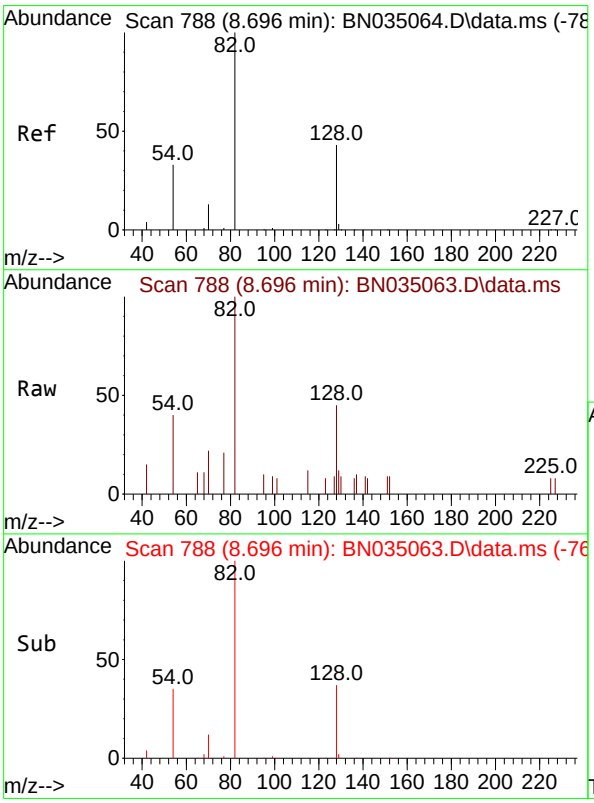
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.319 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:136 Resp: 5449

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.8	14.8
54	5.2	4.0	6.0
68	5.5	4.2	6.2

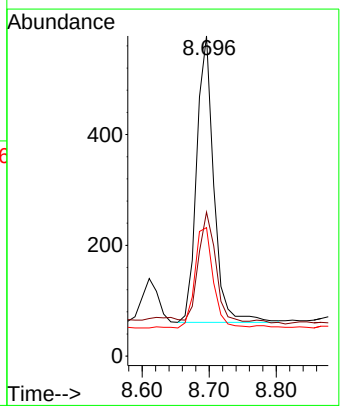


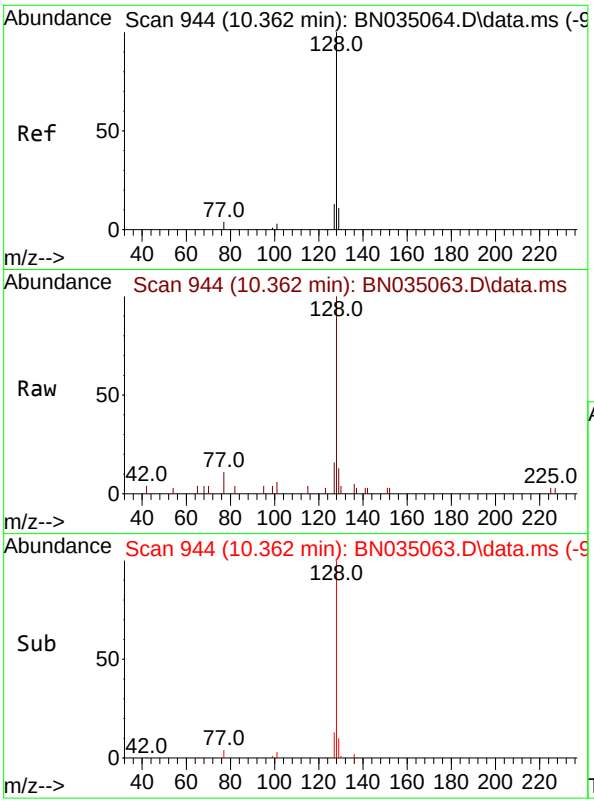


#8
Nitrobenzene-d5
Concen: 0.195 ng
RT: 8.696 min Scan# 788
Delta R.T. 0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Tgt Ion: 82 Resp: 921

Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.5	54.7
54	40.1	28.7	43.1



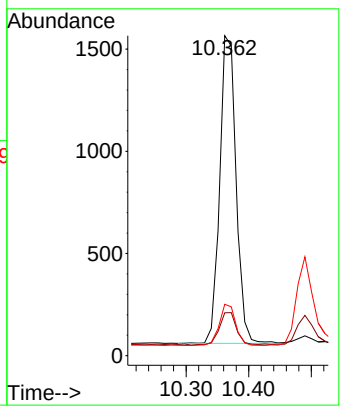


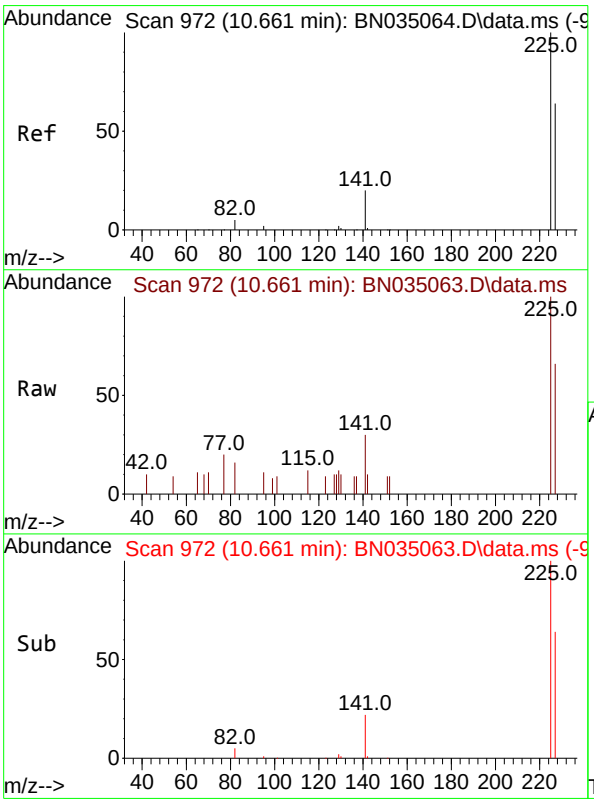
#9
Naphthalene
Concen: 0.193 ng
RT: 10.362 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 2748

Ion	Ratio	Lower	Upper
128	100		
129	13.4	9.6	14.4
127	16.0	11.6	17.4

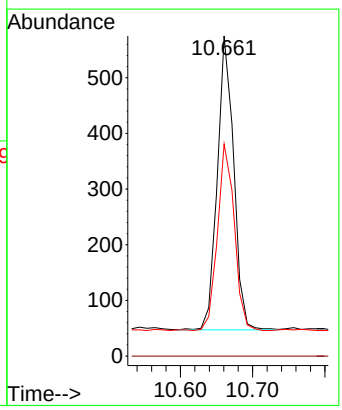


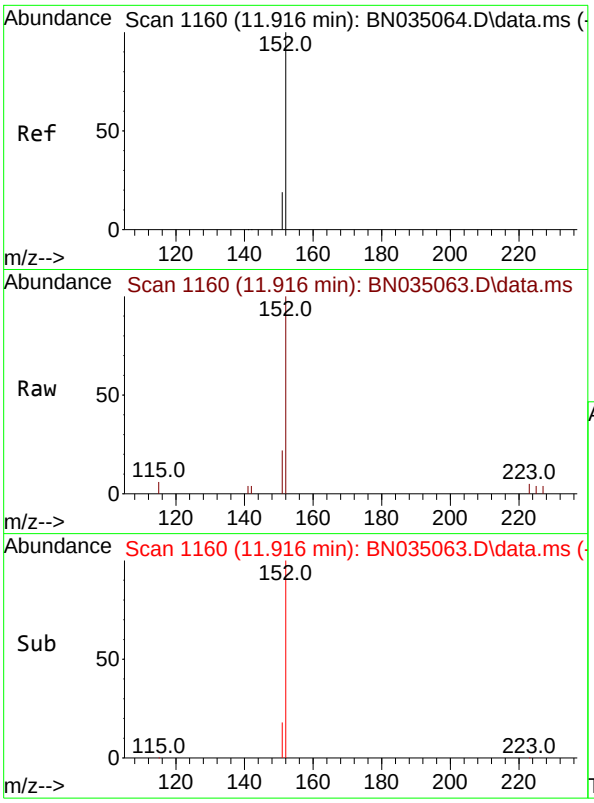


#10
Hexachlorobutadiene
Concen: 0.200 ng
RT: 10.661 min Scan# 972
Delta R.T. 0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Tgt Ion:225 Resp: 832

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.1	51.5	77.3



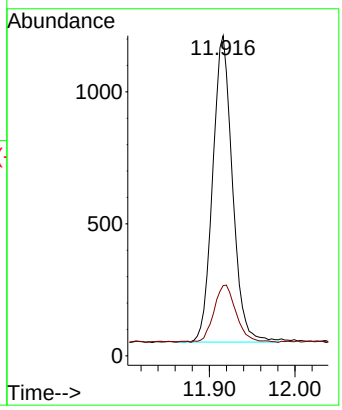


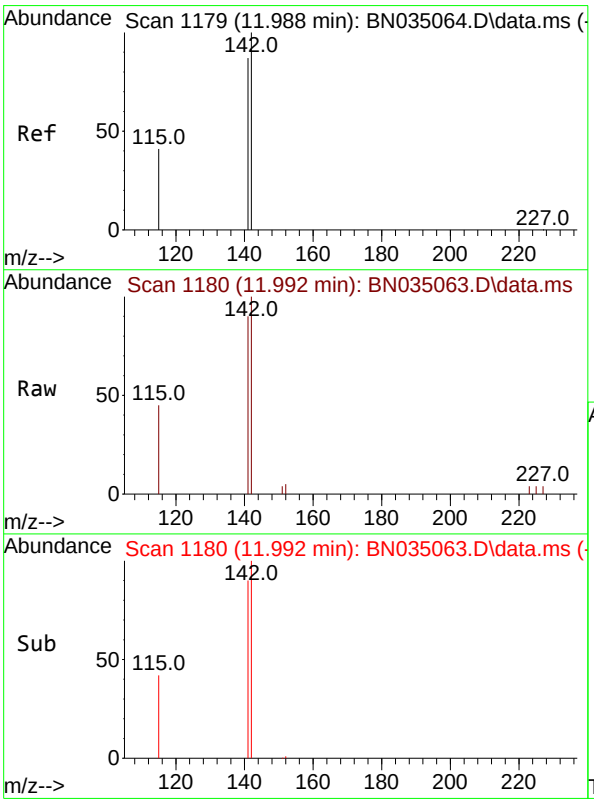
#11
2-Methylnaphthalene-d10
Concen: 0.192 ng
RT: 11.916 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 1861

Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.2	24.4

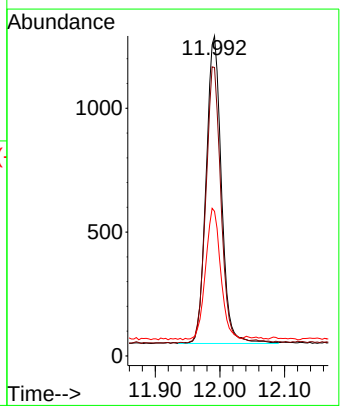


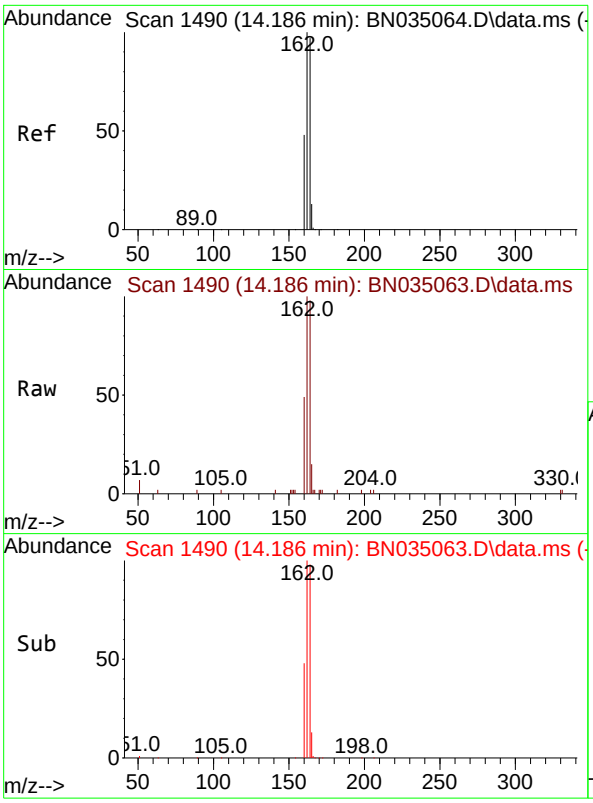


#12
2-Methylnaphthalene
Concen: 0.194 ng
RT: 11.992 min Scan# 1180
Delta R.T. 0.004 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Tgt Ion:142 Resp: 2039

Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.1	105.1
115	45.2	34.4	51.6



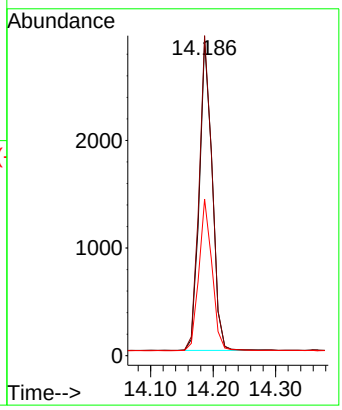


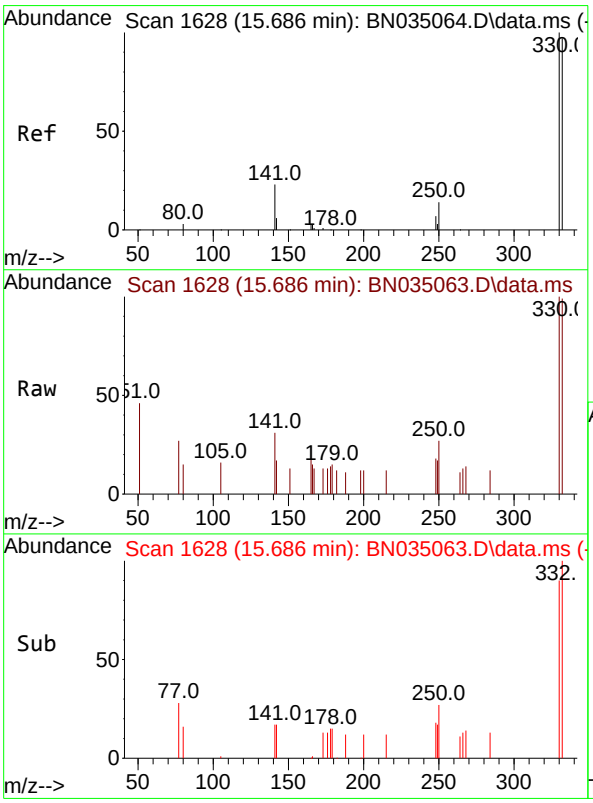
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.186 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:164 Resp: 4114

Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.2	123.2
160	49.8	40.2	60.4

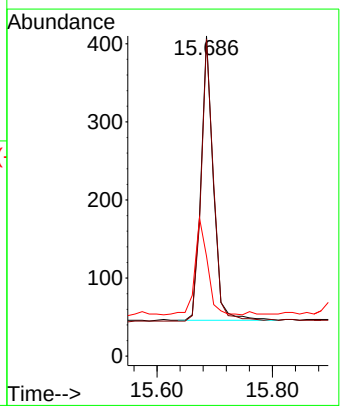


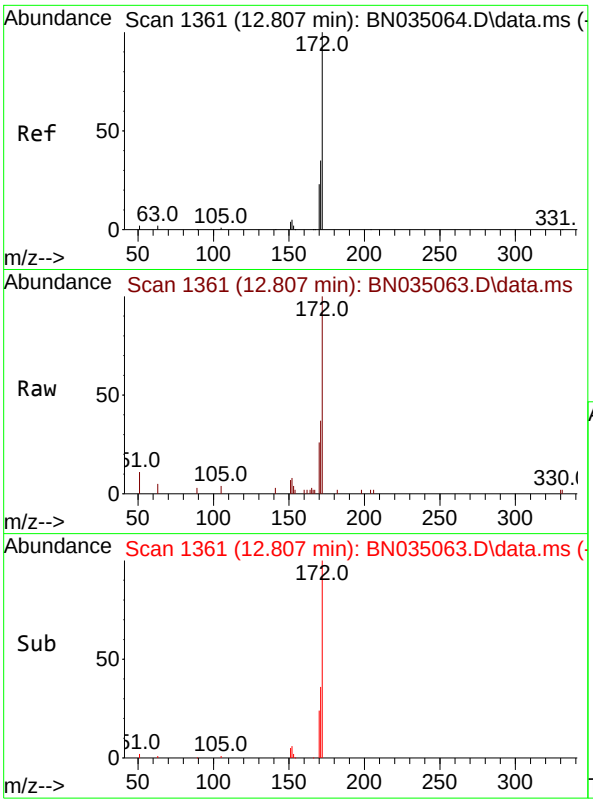


#14
2,4,6-Tribromophenol
Concen: 0.181 ng
RT: 15.686 min Scan# 1628
Delta R.T. 0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Tgt Ion:330 Resp: 538

Ion	Ratio	Lower	Upper
330	100		
332	99.1	76.9	115.3
141	34.8	29.6	44.4



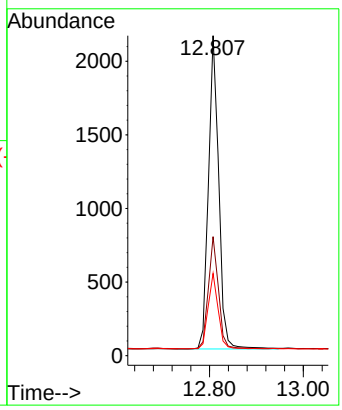


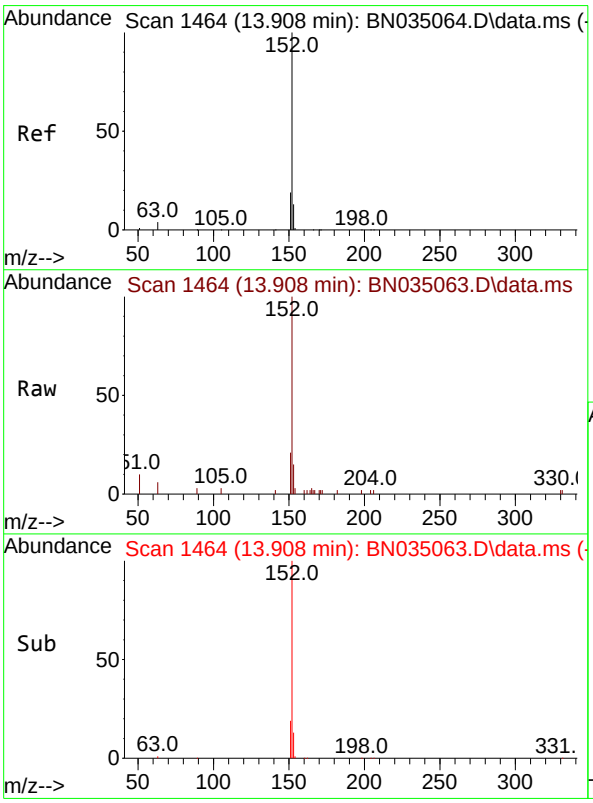
#15
2-Fluorobiphenyl
Concen: 0.194 ng
RT: 12.807 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:172 Resp: 3241

Ion	Ratio	Lower	Upper
172	100		
171	37.2	28.2	42.4
170	25.7	19.0	28.6

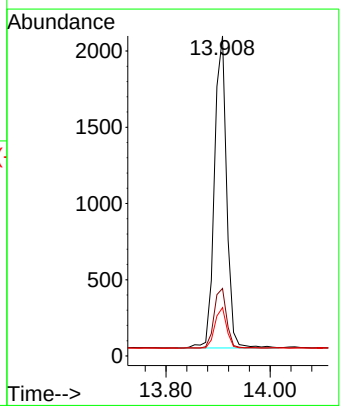


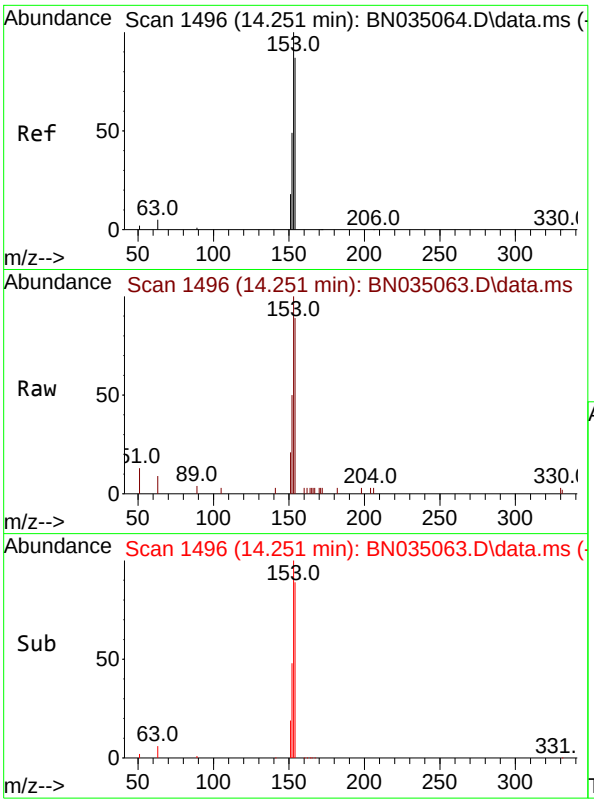


#16
Acenaphthylene
Concen: 0.189 ng
RT: 13.908 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Tgt Ion:152 Resp: 3325

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.0	10.2	15.4



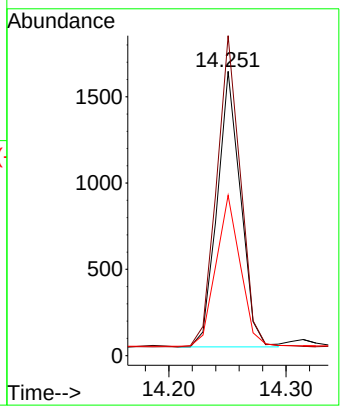


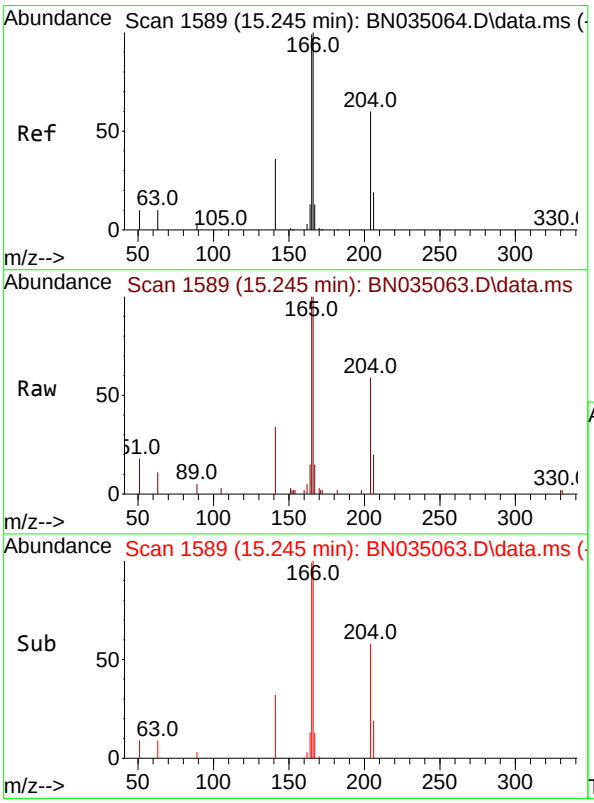
#17
Acenaphthene
Concen: 0.193 ng
RT: 14.251 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:154 Resp: 2219

Ion	Ratio	Lower	Upper
154	100		
153	114.9	91.6	137.4
152	57.9	45.8	68.6

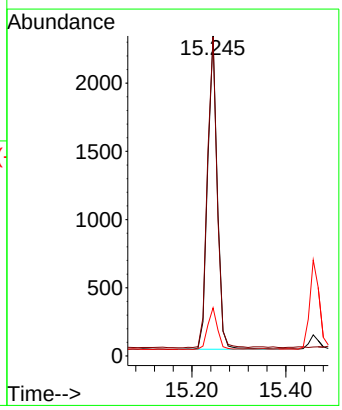


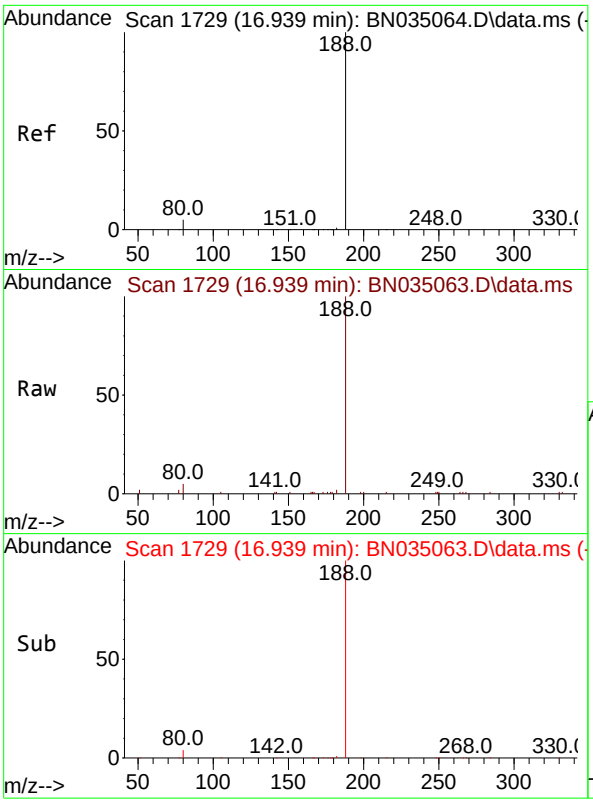


#18
Fluorene
Concen: 0.193 ng
RT: 15.245 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Tgt Ion:166 Resp: 3273

Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.1	118.7
167	13.4	10.6	16.0



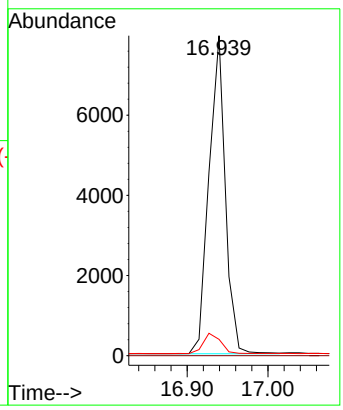


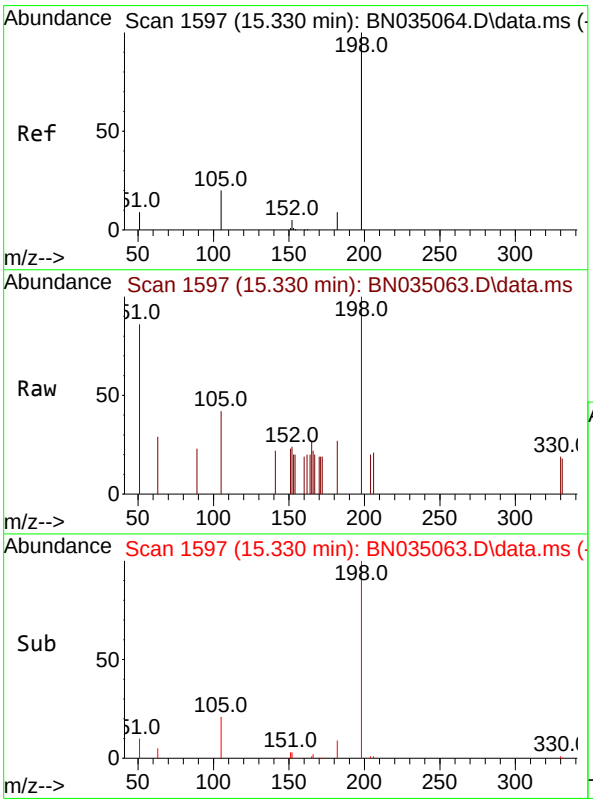
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.939 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 11179

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.1	4.3	6.5

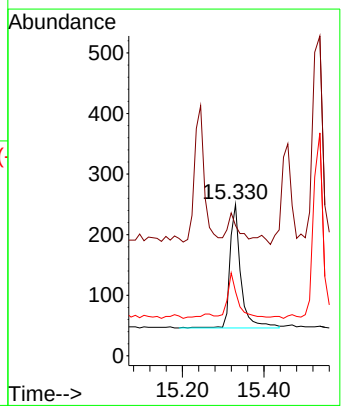


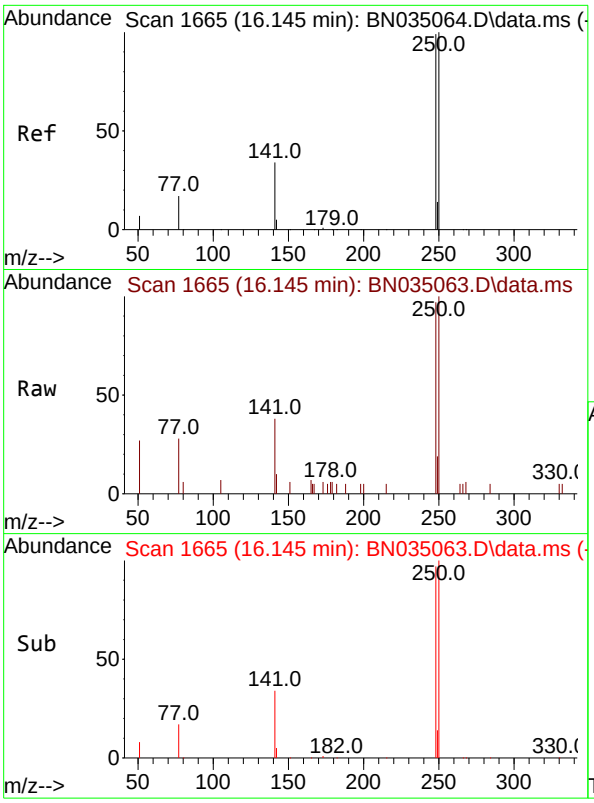


#20
4,6-Dinitro-2-methylphenol
Concen: 0.162 ng
RT: 15.330 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Tgt Ion:198 Resp: 376

Ion	Ratio	Lower	Upper
198	100		
51	86.0	29.9	44.9#
105	42.4	23.7	35.5#



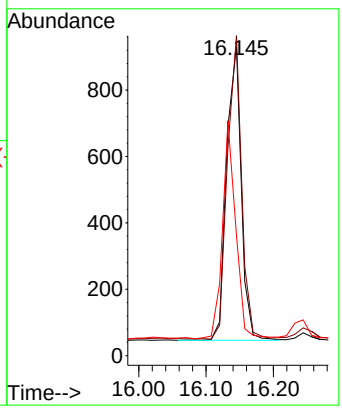


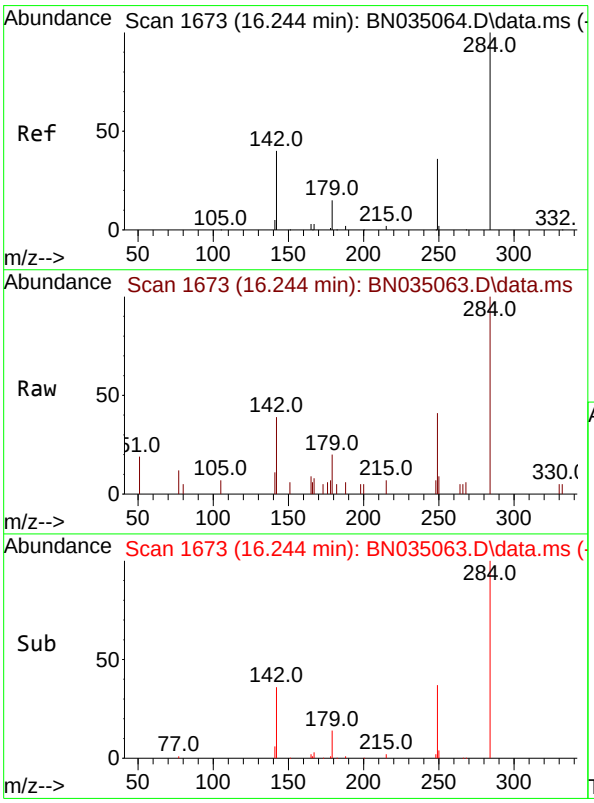
#21
4-Bromophenyl-phenylether
Concen: 0.188 ng
RT: 16.145 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:248 Resp: 1341

Ion	Ratio	Lower	Upper
248	100		
250	103.4	81.2	121.8
141	38.9	29.1	43.7

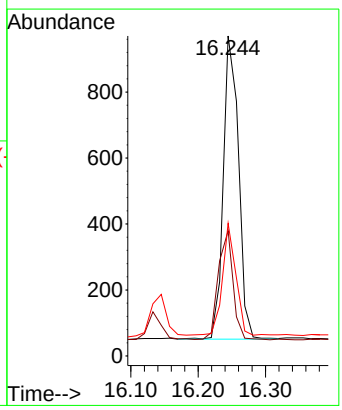


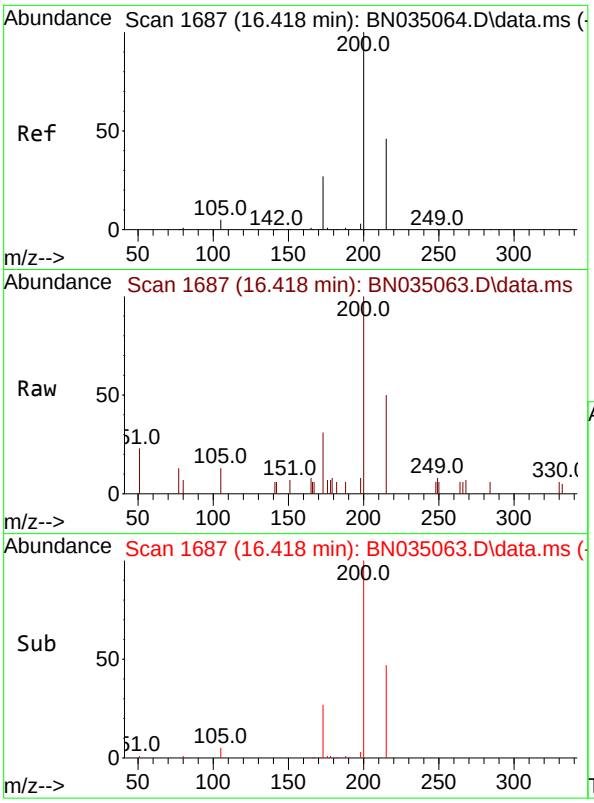


#22
Hexachlorobenzene
Concen: 0.195 ng
RT: 16.244 min Scan# 1673
Delta R.T. -0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Tgt Ion:284 Resp: 1445

Ion	Ratio	Lower	Upper
284	100		
142	34.7	28.2	42.4
249	32.9	26.2	39.2



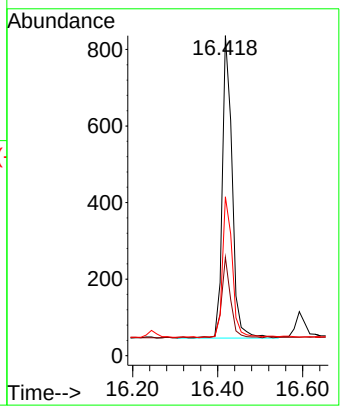


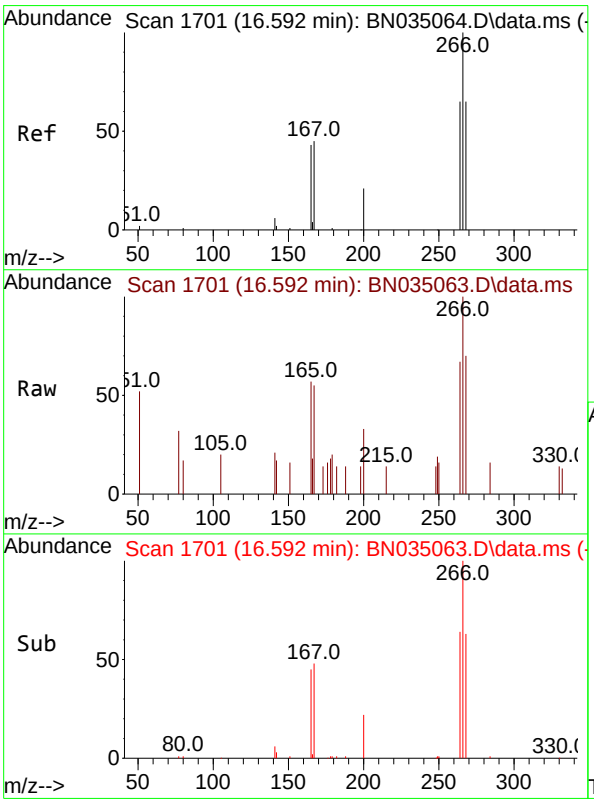
#23
Atrazine
Concen: 0.199 ng
RT: 16.418 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:200 Resp: 1271

Ion	Ratio	Lower	Upper
200	100		
173	30.7	22.6	33.8
215	49.6	37.8	56.6

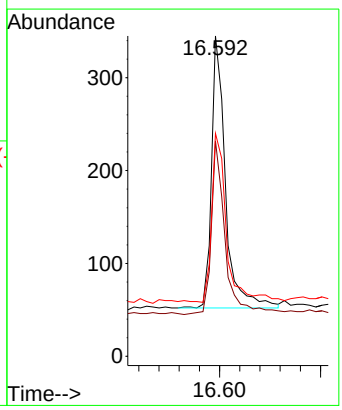


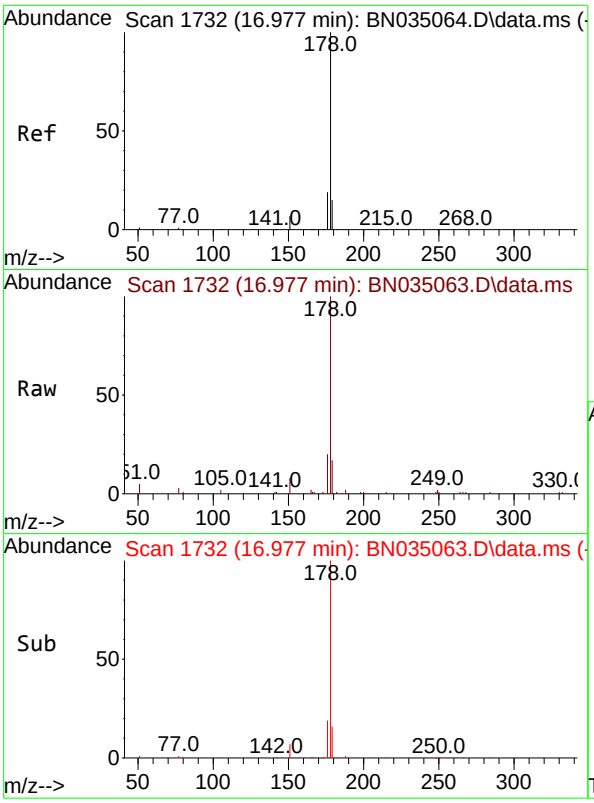


#24
Pentachlorophenol
Concen: 0.163 ng
RT: 16.592 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Tgt Ion:266 Resp: 562

Ion	Ratio	Lower	Upper
266	100		
264	63.3	49.4	74.0
268	65.1	52.6	79.0



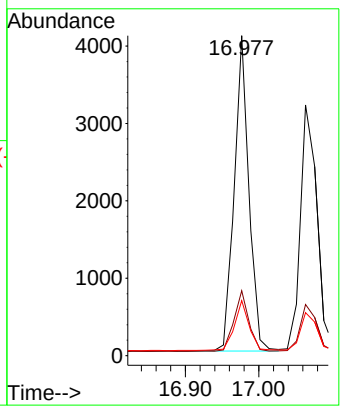


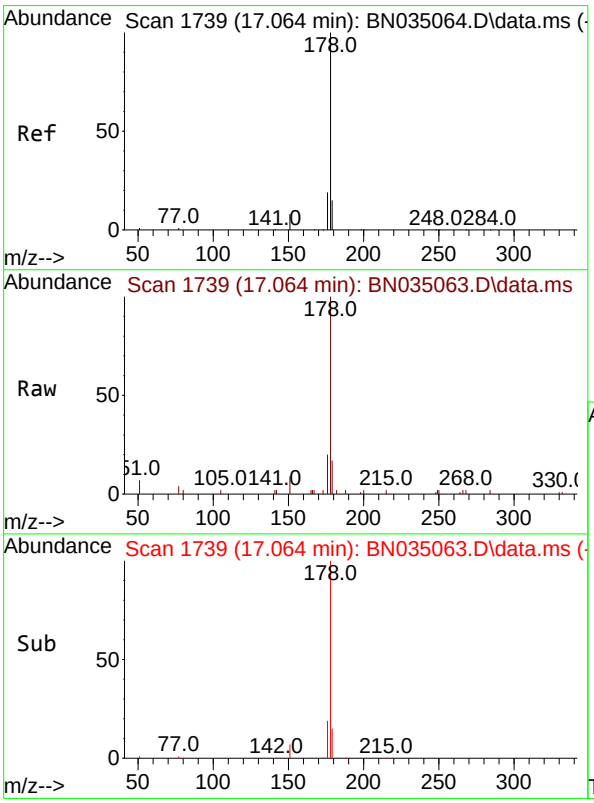
#25
Phenanthrene
Concen: 0.193 ng
RT: 16.977 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 5664

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.2	22.8
179	16.3	12.6	18.8

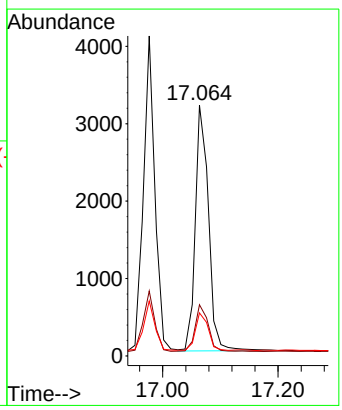


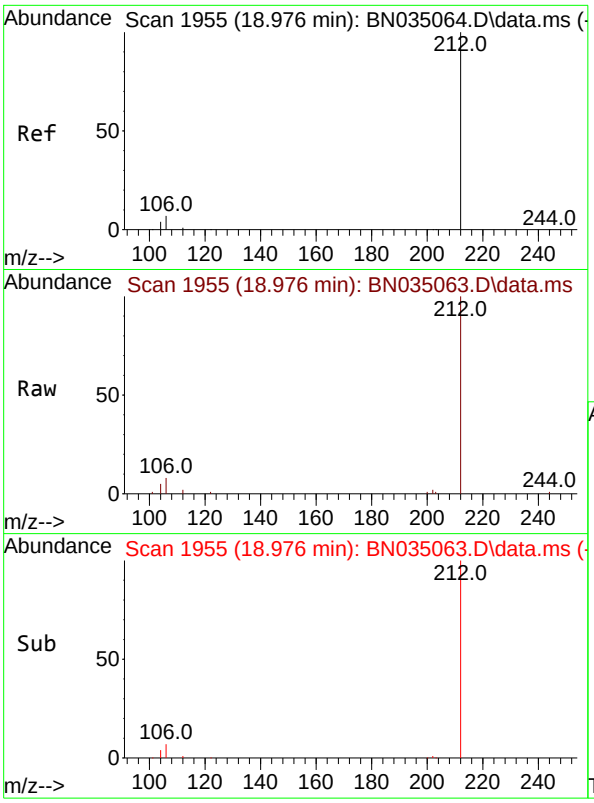


#26
Anthracene
Concen: 0.187 ng
RT: 17.064 min Scan# 1739
Delta R.T. -0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Tgt Ion:178 Resp: 5051

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.6	22.0
179	14.6	12.2	18.2



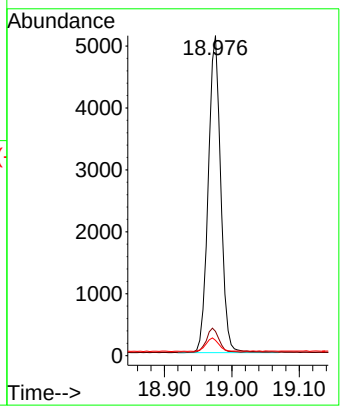


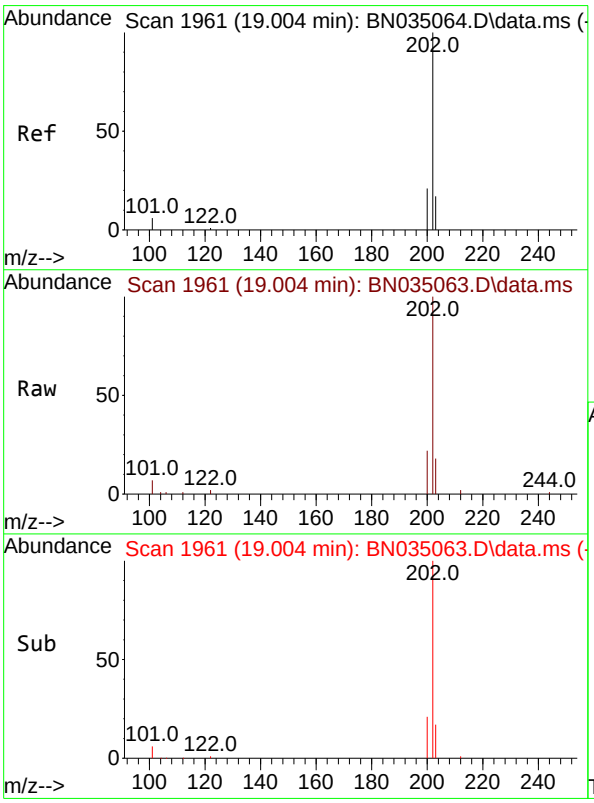
#27
Fluoranthene-d10
Concen: 0.192 ng
RT: 18.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:212 Resp: 6587

Ion	Ratio	Lower	Upper
212	100		
106	7.6	6.0	9.0
104	4.4	3.5	5.3

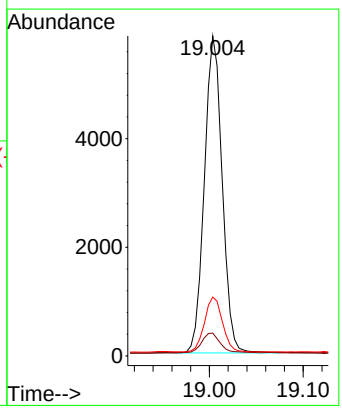


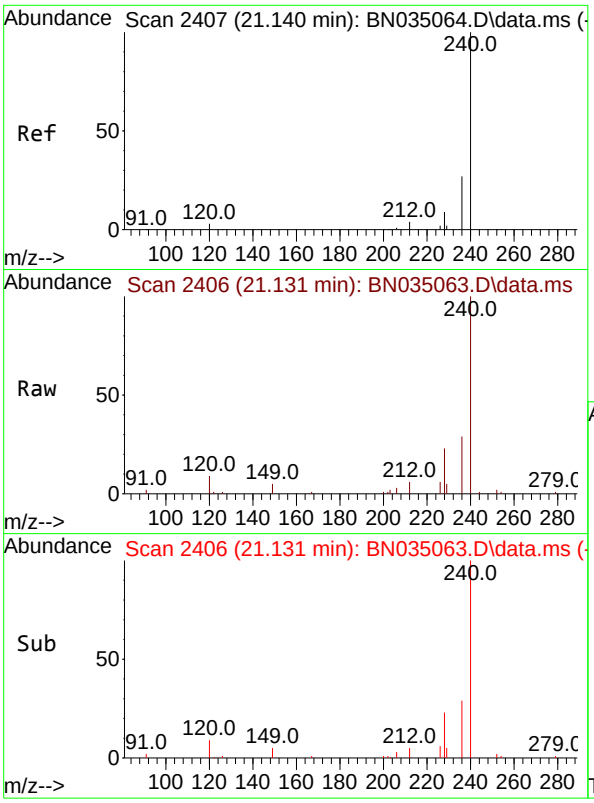


#28
Fluoranthene
Concen: 0.190 ng
RT: 19.004 min Scan# 1961
Delta R.T. 0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Tgt Ion:202 Resp: 7690

Ion	Ratio	Lower	Upper
202	100		
101	7.0	5.2	7.8
203	17.3	13.8	20.8



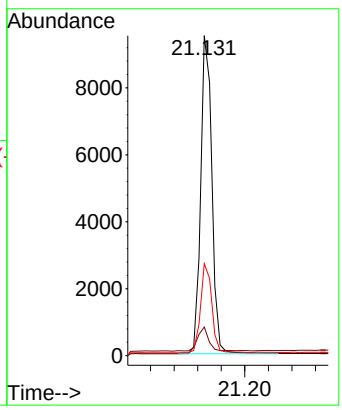


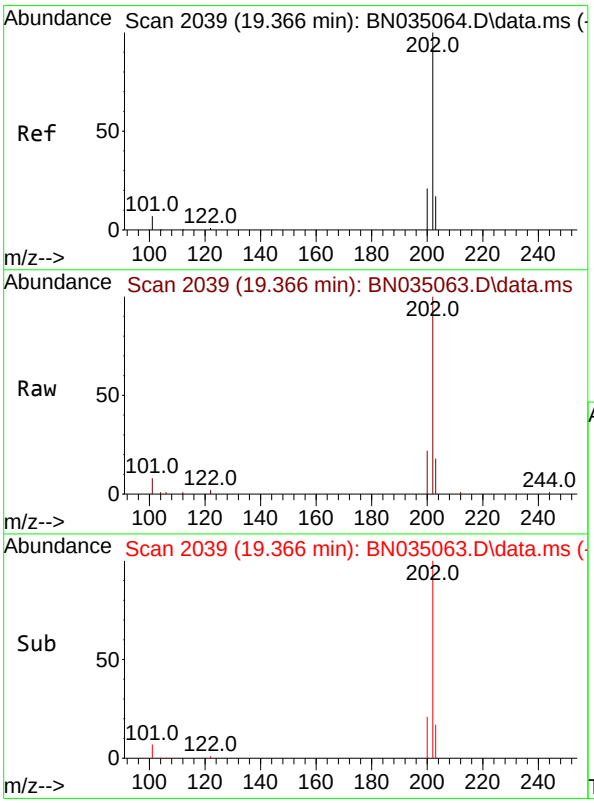
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.131 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:240 Resp: 12508

Ion	Ratio	Lower	Upper
240	100		
120	9.0	3.8	5.6#
236	28.8	22.2	33.2

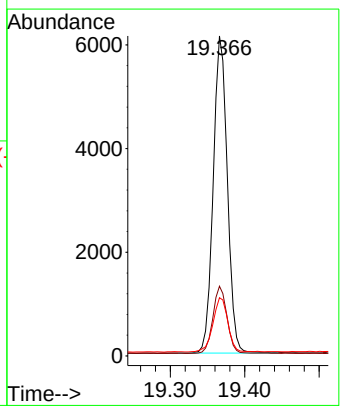


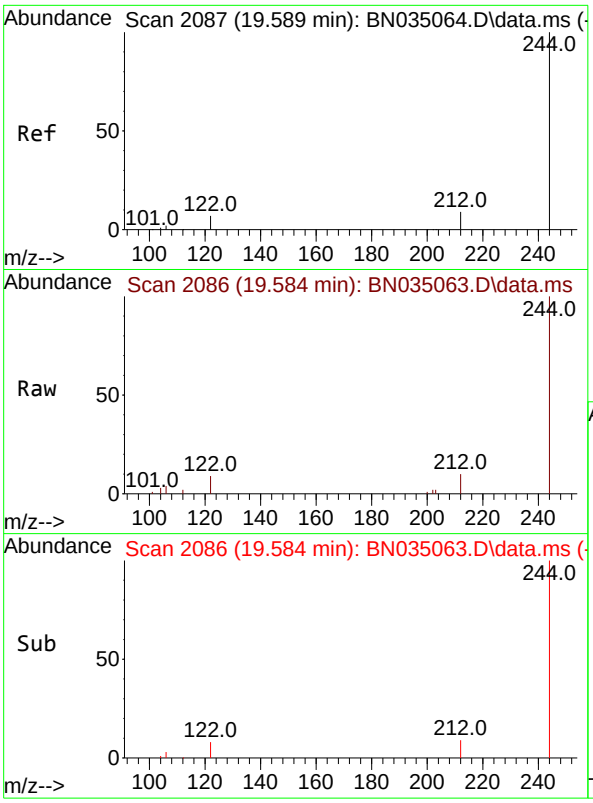


#30
Pyrene
Concen: 0.194 ng
RT: 19.366 min Scan# 2039
Delta R.T. -0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Tgt Ion:202 Resp: 8067

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	18.1	14.2	21.4



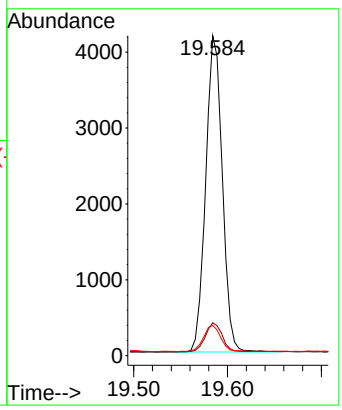


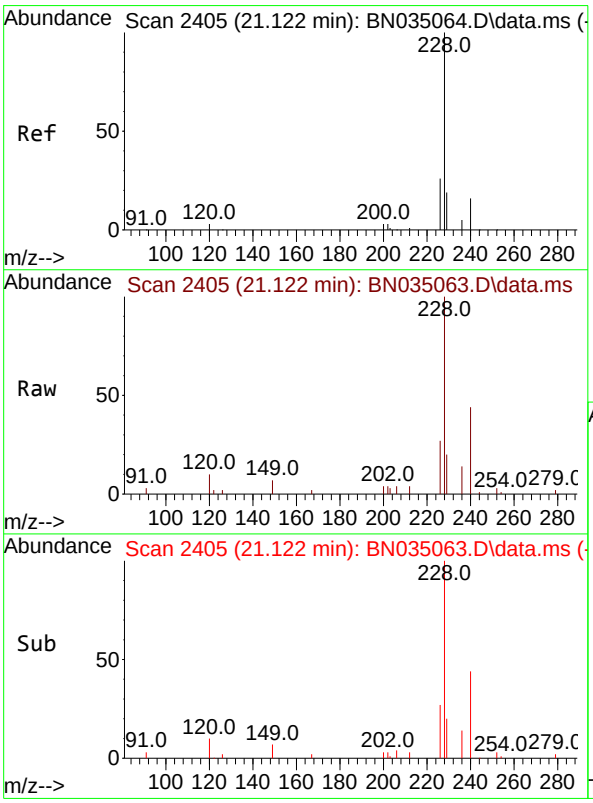
#31
Terphenyl-d14
Concen: 0.195 ng
RT: 19.584 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:244 Resp: 5123

Ion	Ratio	Lower	Upper
244	100		
212	10.3	7.6	11.4
122	9.5	6.1	9.1#

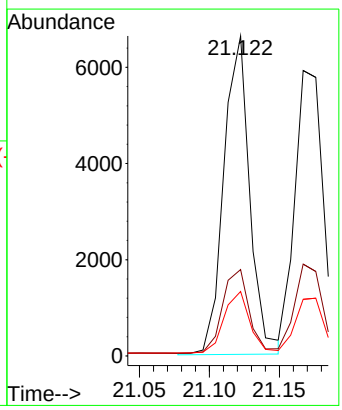


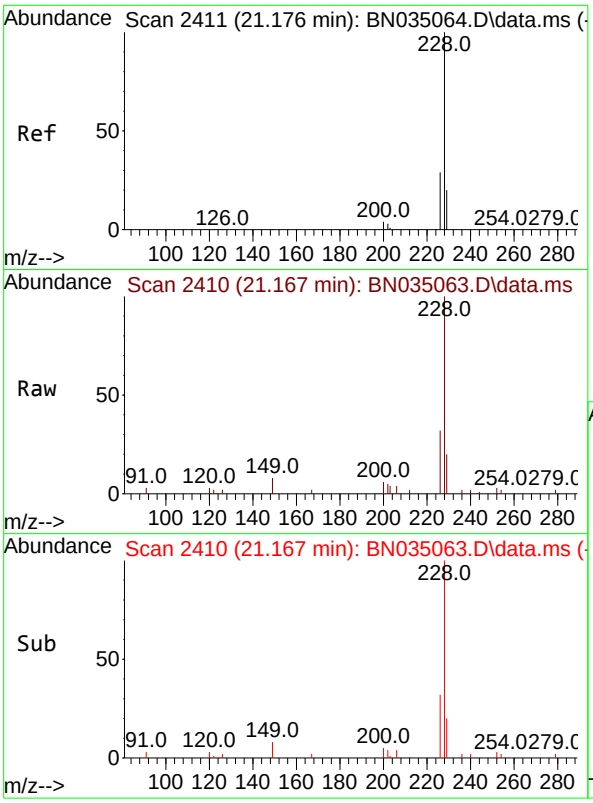


#32
Benzo(a)anthracene
Concen: 0.196 ng
RT: 21.122 min Scan# 2405
Delta R.T. -0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Tgt Ion:228 Resp: 8558

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.4	32.0
229	20.1	15.7	23.5



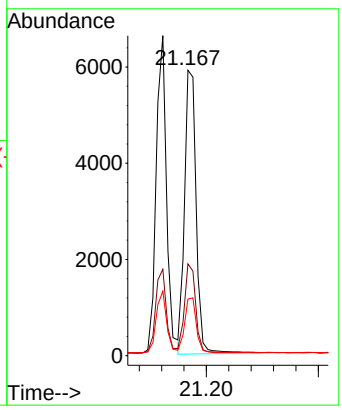


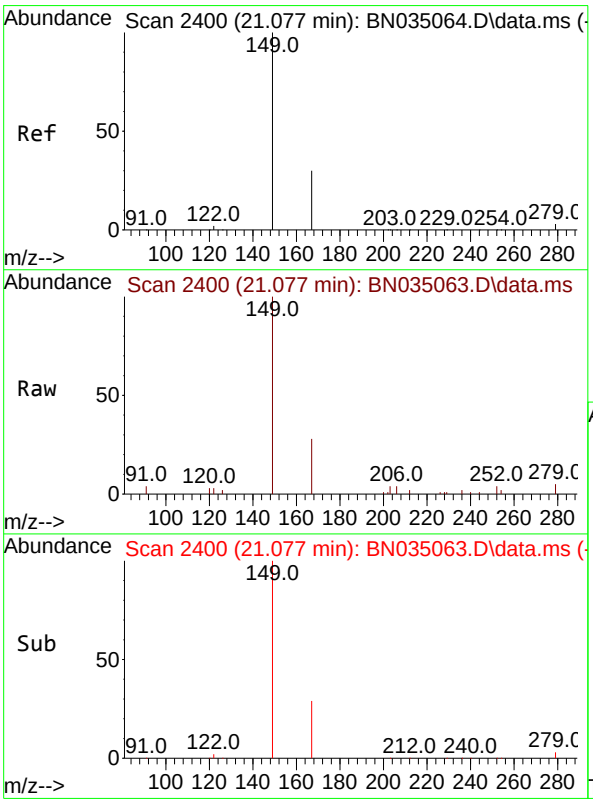
#33
Chrysene
Concen: 0.198 ng
RT: 21.167 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:228 Resp: 8540

Ion	Ratio	Lower	Upper
228	100		
226	32.2	23.7	35.5
229	19.9	16.2	24.4

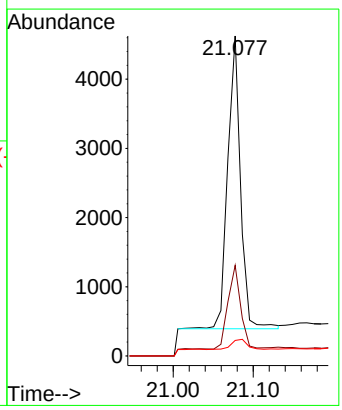


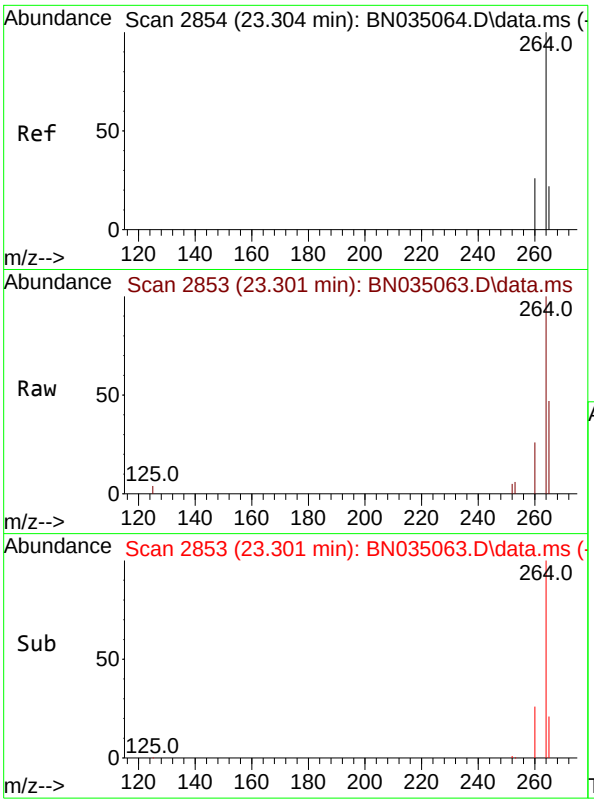


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.208 ng
RT: 21.077 min Scan# 2400
Delta R.T. -0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Tgt Ion:149 Resp: 4712

Ion	Ratio	Lower	Upper
149	100		
167	28.3	23.2	34.8
279	3.9	3.2	4.8



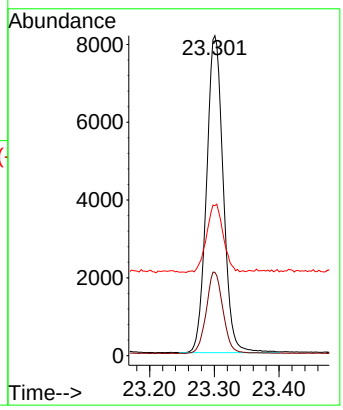


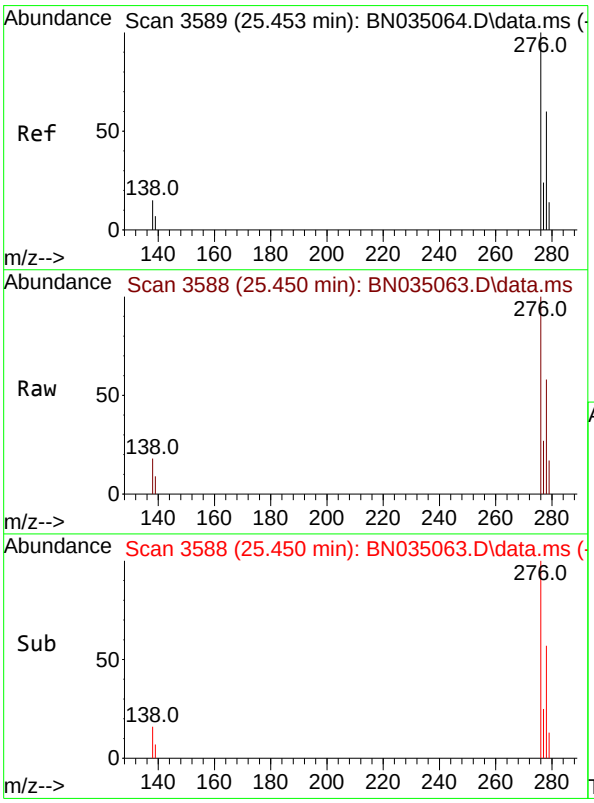
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.301 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:264 Resp: 14643

Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.9	31.3
265	46.9	35.4	53.2

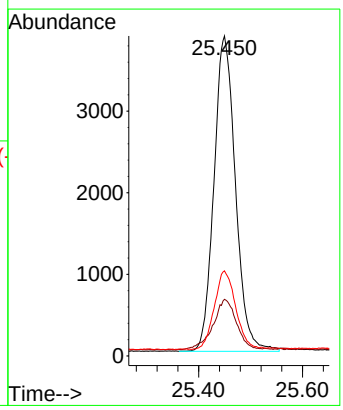


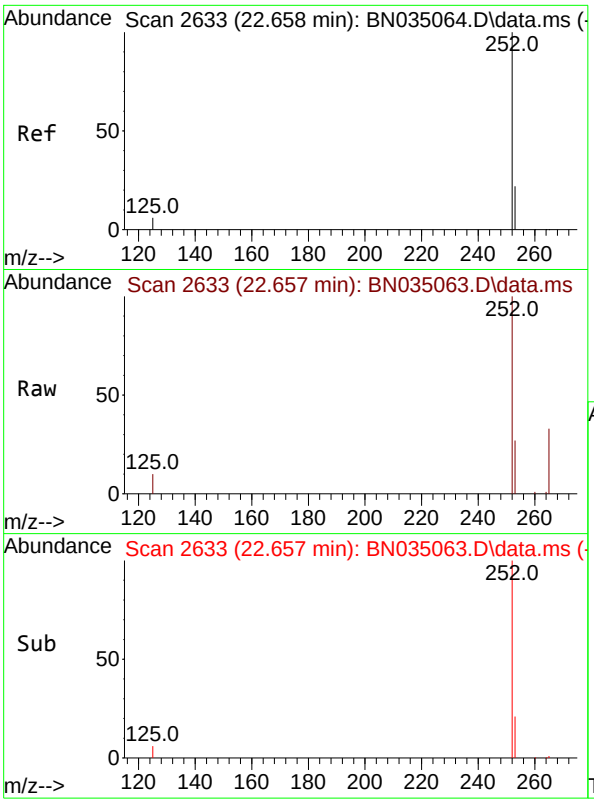


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.190 ng
RT: 25.450 min Scan# 3588
Delta R.T. -0.003 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Tgt Ion:276 Resp: 11095

Ion	Ratio	Lower	Upper
276	100		
138	17.3	13.0	19.4
277	24.7	19.8	29.6



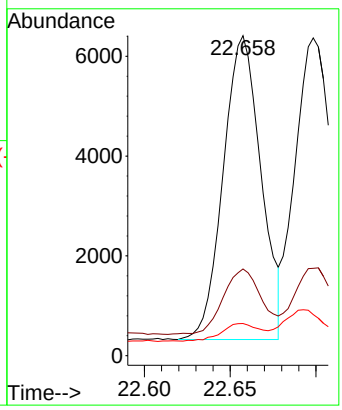


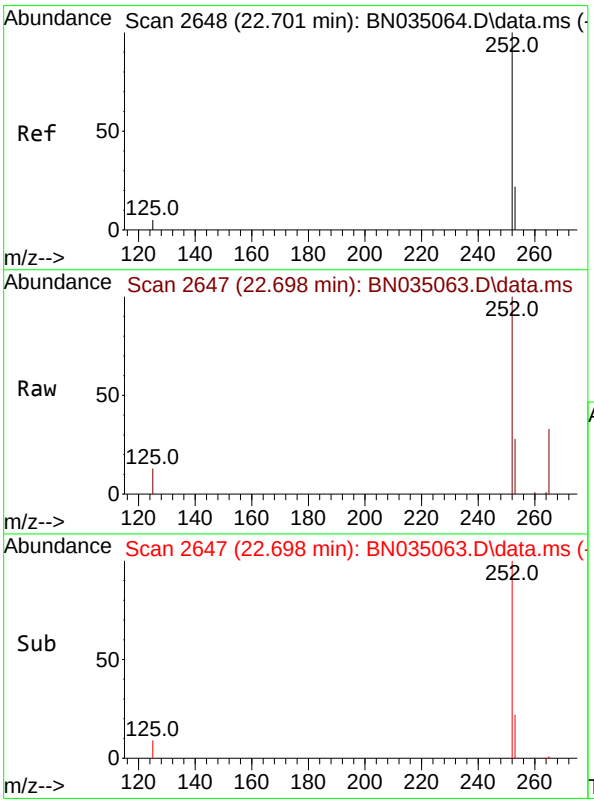
#37
Benzo(b)fluoranthene
Concen: 0.189 ng
RT: 22.657 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 9315

Ion	Ratio	Lower	Upper
252	100		
253	27.1	19.3	28.9
125	10.0	6.2	9.2#

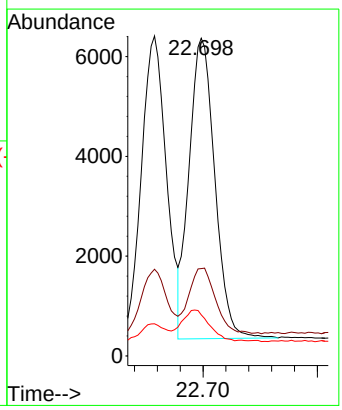


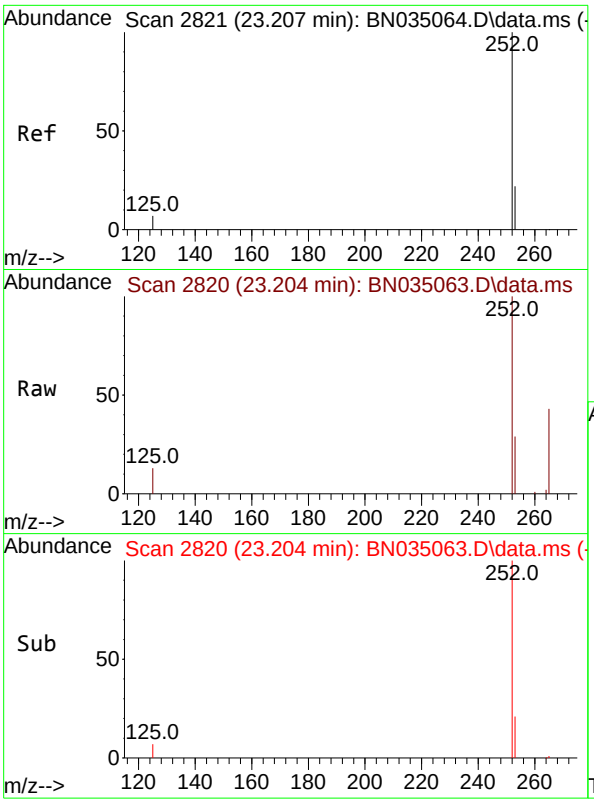


#38
Benzo(k)fluoranthene
Concen: 0.191 ng
RT: 22.698 min Scan# 2647
Delta R.T. -0.003 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Tgt Ion:252 Resp: 9432

Ion	Ratio	Lower	Upper
252	100		
253	27.5	19.5	29.3
125	13.0	6.5	9.7#



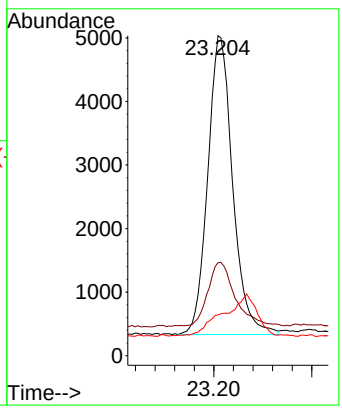


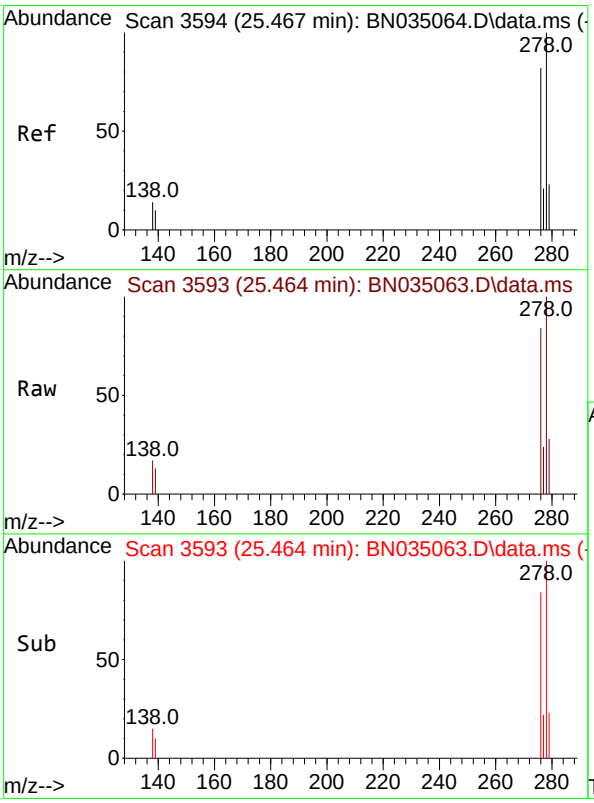
#39
Benzo(a)pyrene
Concen: 0.192 ng
RT: 23.204 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 8302

Ion	Ratio	Lower	Upper
252	100		
253	29.1	20.1	30.1
125	12.8	7.5	11.3#

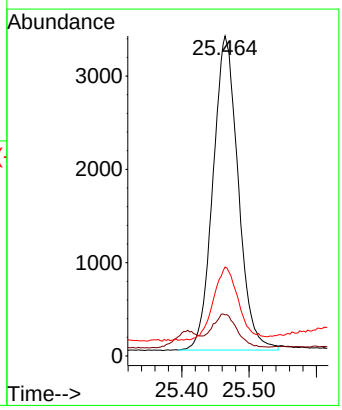


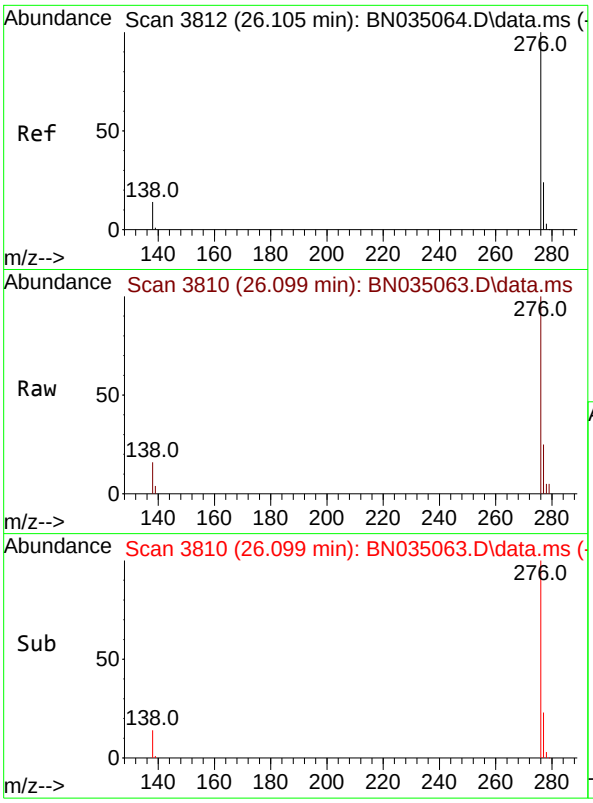


#40
Dibenzo(a,h)anthracene
Concen: 0.189 ng
RT: 25.464 min Scan# 3593
Delta R.T. -0.003 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Tgt Ion:278 Resp: 8750

Ion	Ratio	Lower	Upper
278	100		
139	12.9	9.3	13.9
279	27.8	19.7	29.5



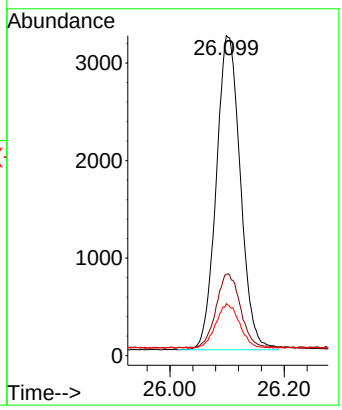


#41
Benzo(g,h,i)perylene
Concen: 0.192 ng
RT: 26.099 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN035063.D
Acq: 13 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 9431

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.9	29.9
138	16.3	11.6	17.4



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035064.D
Acq On : 13 Nov 2024 13:52
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Nov 13 16:43:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 16:42:01 2024
Response via : Initial Calibration

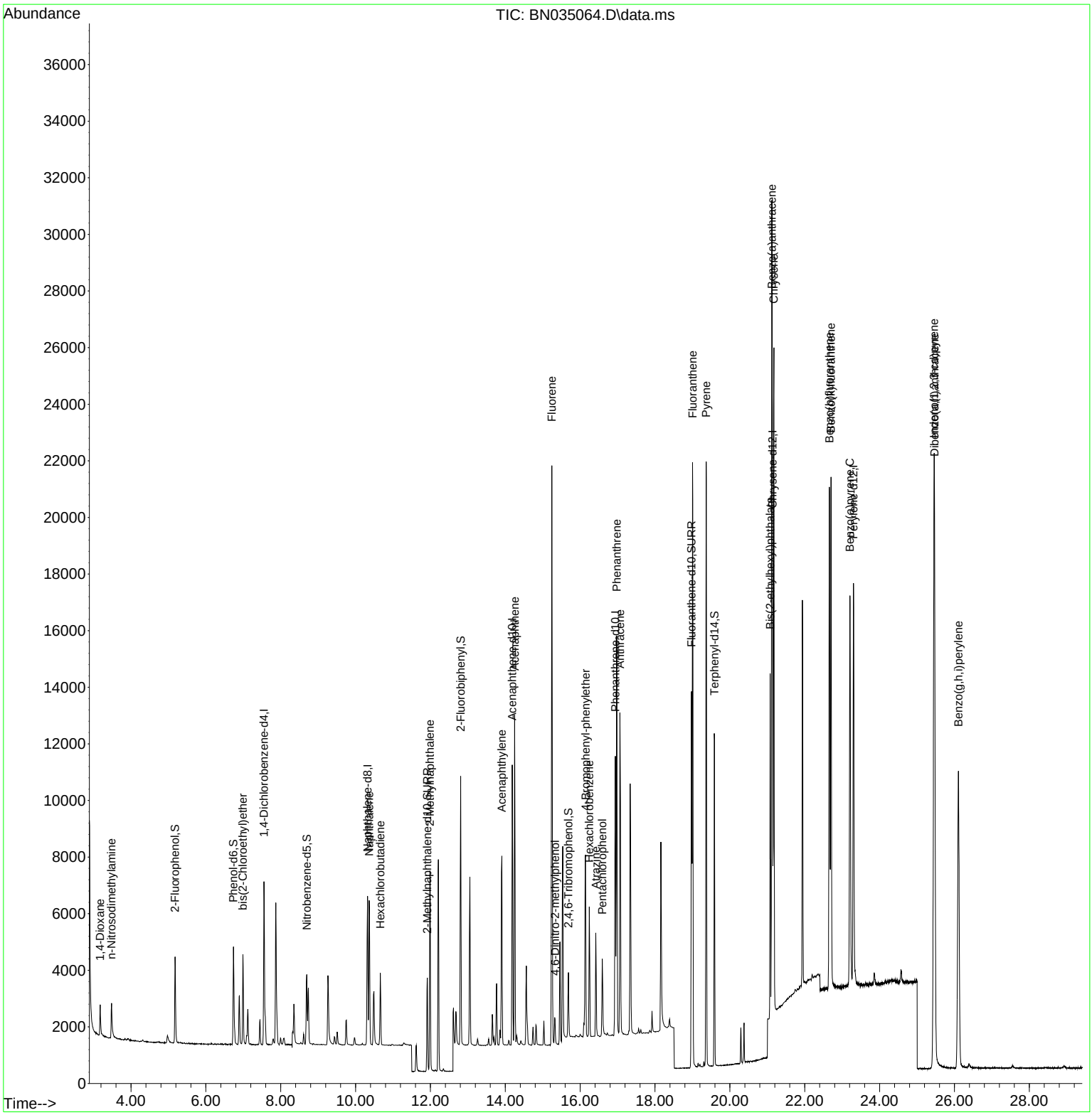
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.553	152	2804	0.400	ng		0.00
7) Naphthalene-d8	10.319	136	6865	0.400	ng		0.00
13) Acenaphthene-d10	14.186	164	5401	0.400	ng		0.00
19) Phenanthrene-d10	16.939	188	13499	0.400	ng		0.00
29) Chrysene-d12	21.140	240	14946	0.400	ng		0.00
35) Perylene-d12	23.304	264	17077	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	2661	0.374	ng		0.00
5) Phenol-d6	6.737	99	3250	0.364	ng		0.00
8) Nitrobenzene-d5	8.696	82	2197	0.369	ng		0.00
11) 2-Methylnaphthalene-d10	11.916	152	4559	0.373	ng		0.00
14) 2,4,6-Tribromophenol	15.686	330	1295	0.333	ng		0.00
15) 2-Fluorobiphenyl	12.807	172	7888	0.360	ng		0.00
27) Fluoranthene-d10	18.976	212	15786	0.382	ng		0.00
31) Terphenyl-d14	19.589	244	12101	0.386	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.177	88	940	0.369	ng		100
3) n-Nitrosodimethylamine	3.480	42	914	0.386	ng		100
6) bis(2-Chloroethyl)ether	6.990	93	2504	0.374	ng		100
9) Naphthalene	10.362	128	6705	0.374	ng		100
10) Hexachlorobutadiene	10.661	225	2010	0.383	ng	#	100
12) 2-Methylnaphthalene	11.988	142	4884	0.369	ng		100
16) Acenaphthylene	13.908	152	8034	0.348	ng		100
17) Acenaphthene	14.251	154	5401	0.357	ng		100
18) Fluorene	15.245	166	7900	0.355	ng		100
20) 4,6-Dinitro-2-methylph...	15.330	198	979	0.348	ng		100
21) 4-Bromophenyl-phenylether	16.145	248	3317	0.386	ng		100
22) Hexachlorobenzene	16.244	284	3412	0.382	ng		100
23) Atrazine	16.418	200	2925	0.379	ng		100
24) Pentachlorophenol	16.592	266	1402	0.336	ng		100
25) Phenanthrene	16.977	178	13558	0.382	ng		100
26) Anthracene	17.064	178	12422	0.381	ng		100
28) Fluoranthene	19.004	202	18716	0.383	ng		100
30) Pyrene	19.366	202	19252	0.387	ng		100
32) Benzo(a)anthracene	21.122	228	19844	0.381	ng		100
33) Chrysene	21.176	228	19908	0.386	ng		100
34) Bis(2-ethylhexyl)phtha...	21.077	149	9671	0.357	ng		100
36) Indeno(1,2,3-cd)pyrene	25.453	276	25986	0.381	ng		100
37) Benzo(b)fluoranthene	22.658	252	21843	0.380	ng		100
38) Benzo(k)fluoranthene	22.701	252	21977	0.382	ng		100
39) Benzo(a)pyrene	23.207	252	19170	0.379	ng		100
40) Dibenzo(a,h)anthracene	25.467	278	20655	0.383	ng		100
41) Benzo(g,h,i)perylene	26.105	276	21955	0.382	ng		100

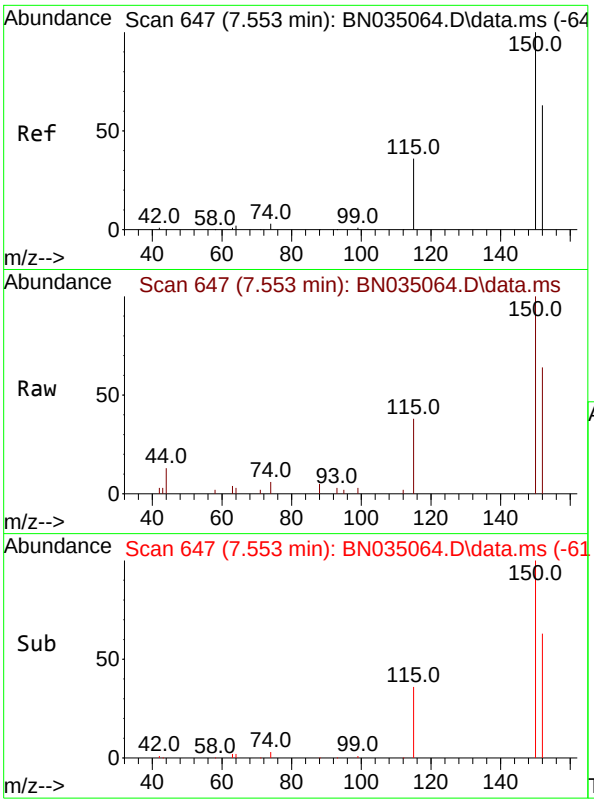
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035064.D
Acq On : 13 Nov 2024 13:52
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Nov 13 16:43:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 16:42:01 2024
Response via : Initial Calibration



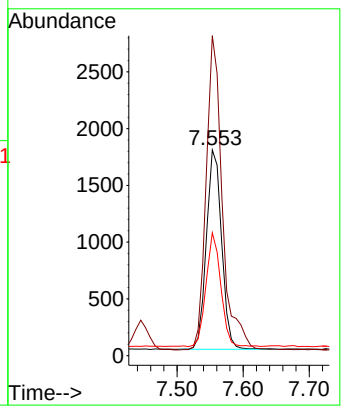


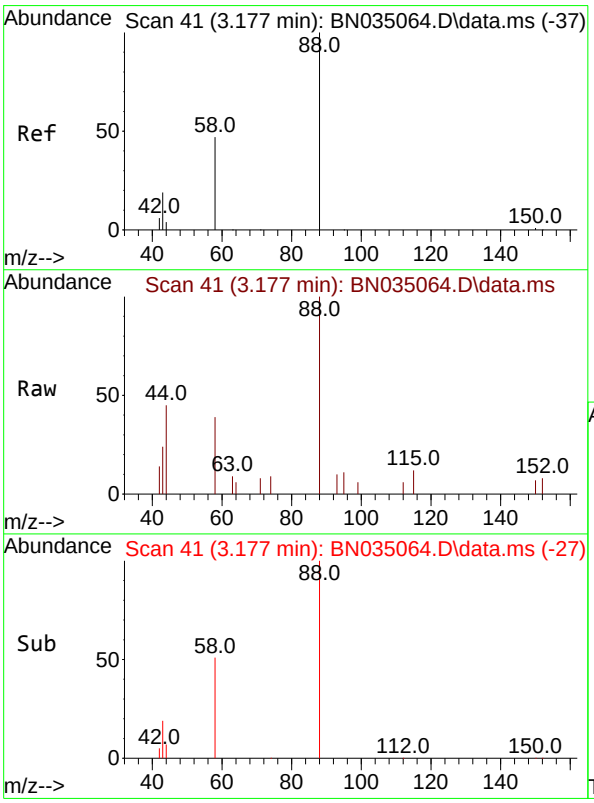
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.553 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 2804

Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.5	186.7
115	59.7	47.8	71.6

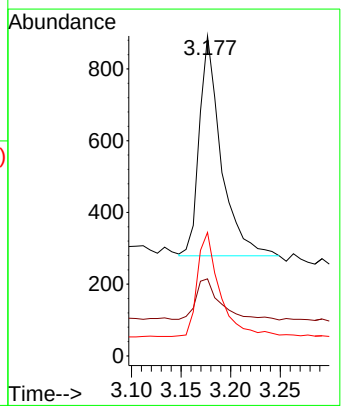


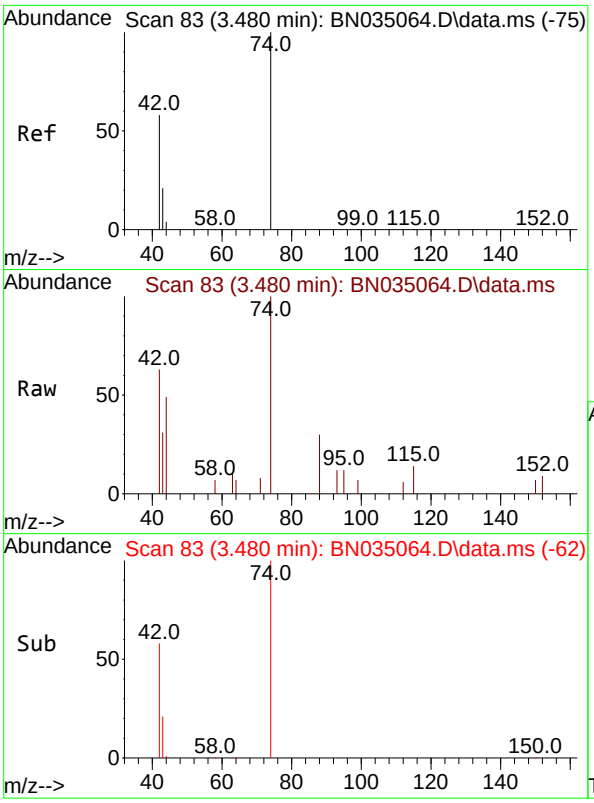


#2
1,4-Dioxane
Concen: 0.369 ng
RT: 3.177 min Scan# 41
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Tgt Ion: 88 Resp: 940

Ion	Ratio	Lower	Upper
88	100		
43	21.1	16.9	25.3
58	48.7	39.0	58.4



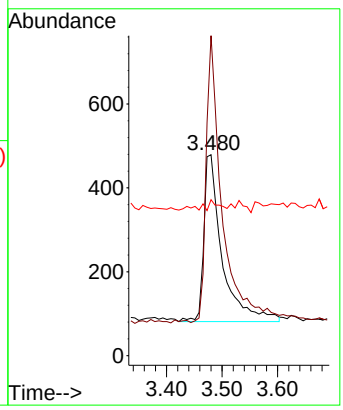


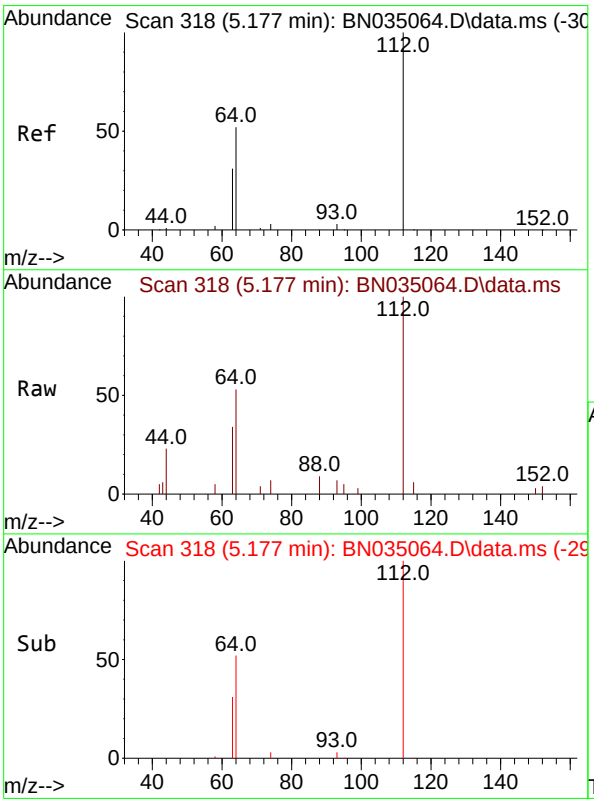
#3
n-Nitrosodimethylamine
Concen: 0.386 ng
RT: 3.480 min Scan# 8
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 914

Ion	Ratio	Lower	Upper
42	100		
74	151.0	120.8	181.2
44	3.6	2.9	4.3

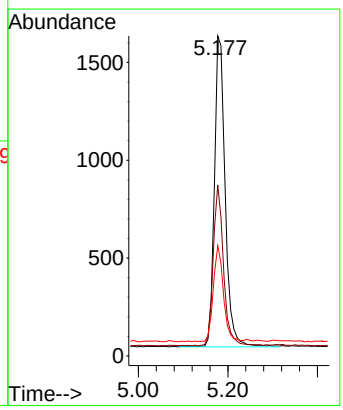


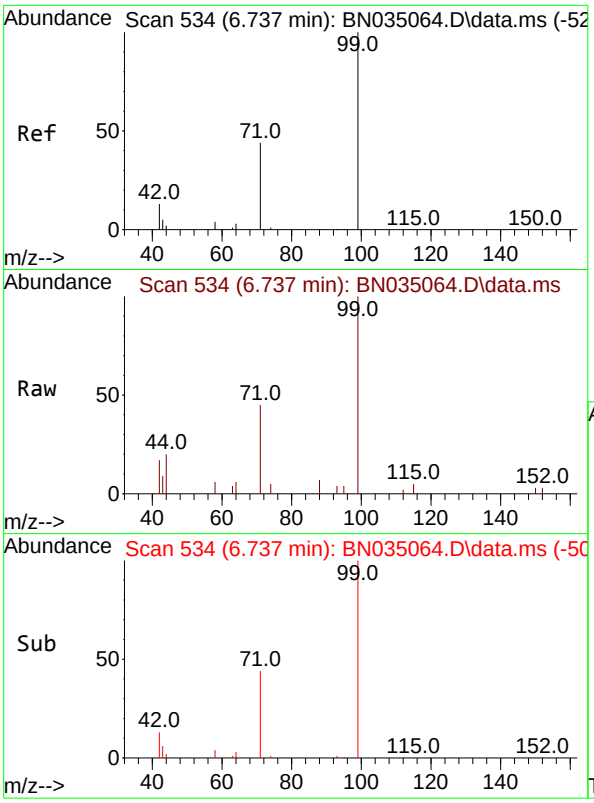


#4
2-Fluorophenol
Concen: 0.374 ng
RT: 5.177 min Scan# 318
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Tgt Ion:112 Resp: 2661

Ion	Ratio	Lower	Upper
112	100		
64	49.6	39.7	59.5
63	28.7	23.0	34.4



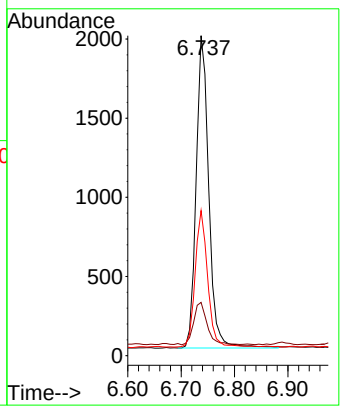


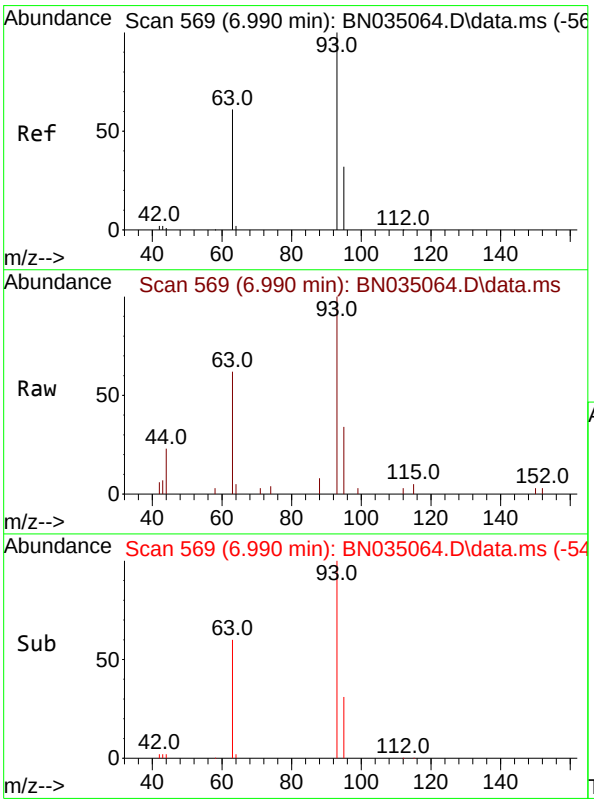
#5
Phenol-d6
Concen: 0.364 ng
RT: 6.737 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 3250

Ion	Ratio	Lower	Upper
99	100		
42	14.2	11.4	17.0
71	43.2	34.6	51.8

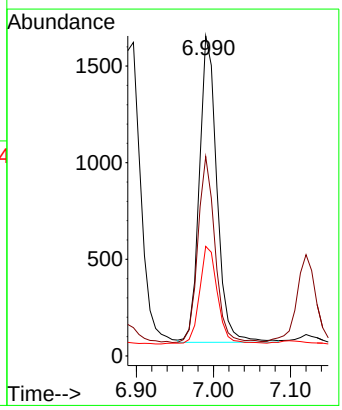


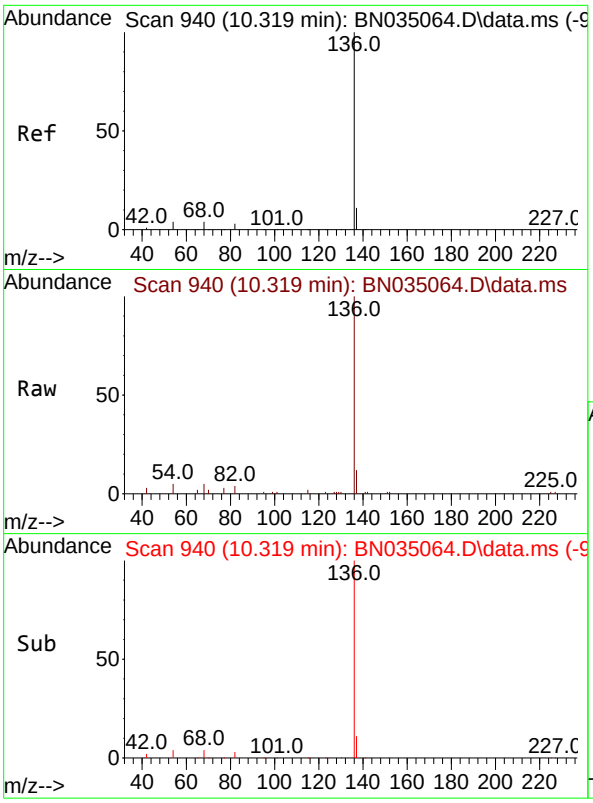


#6
bis(2-Chloroethyl)ether
Concen: 0.374 ng
RT: 6.990 min Scan# 569
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Tgt Ion: 93 Resp: 2504

Ion	Ratio	Lower	Upper
93	100		
63	59.3	47.4	71.2
95	32.8	26.2	39.4



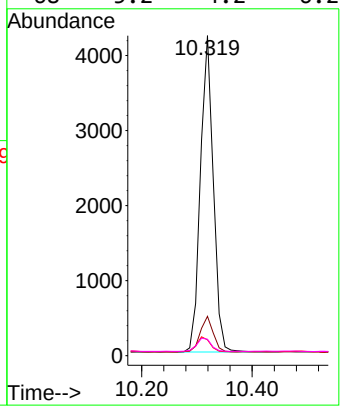


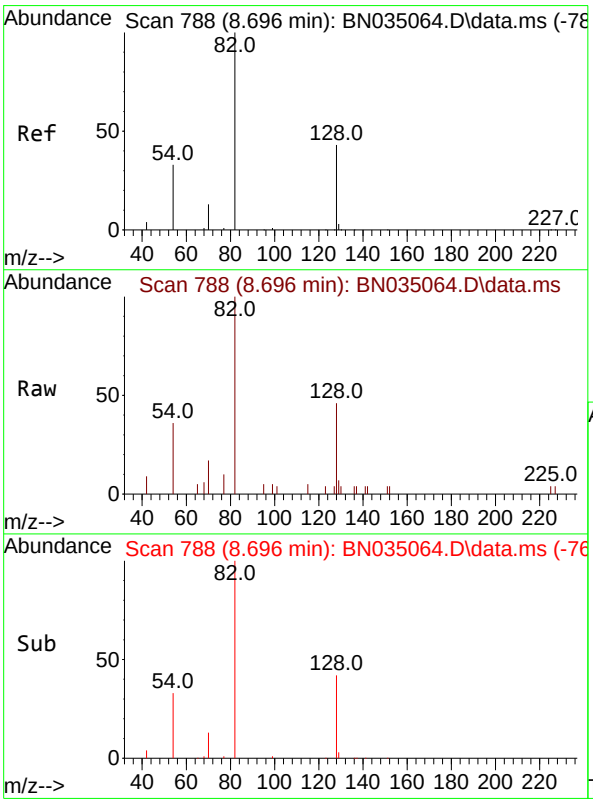
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.319 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 6865

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.8	14.8
54	5.0	4.0	6.0
68	5.2	4.2	6.2

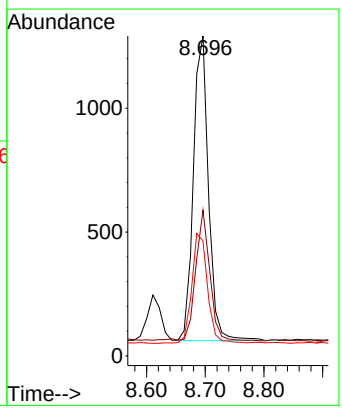


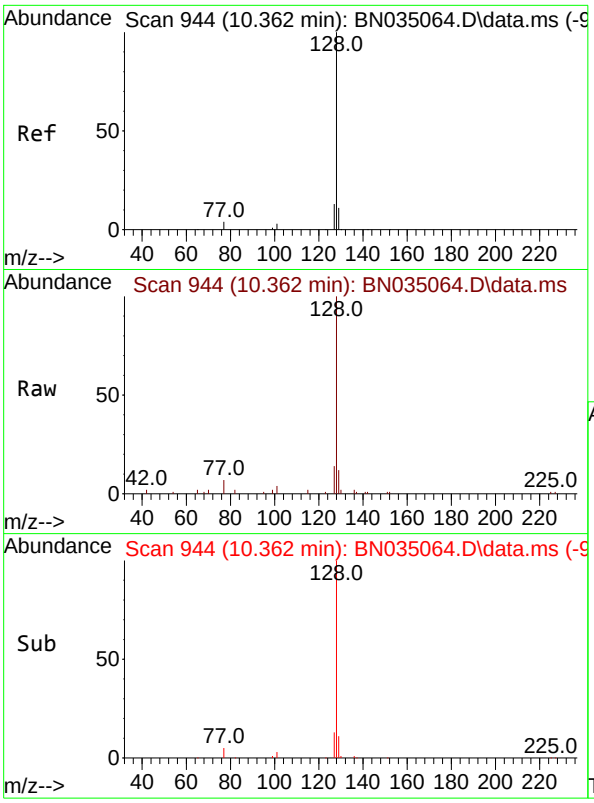


#8
Nitrobenzene-d5
Concen: 0.369 ng
RT: 8.696 min Scan# 788
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Tgt Ion: 82 Resp: 2197

Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.5	54.7
54	35.9	28.7	43.1



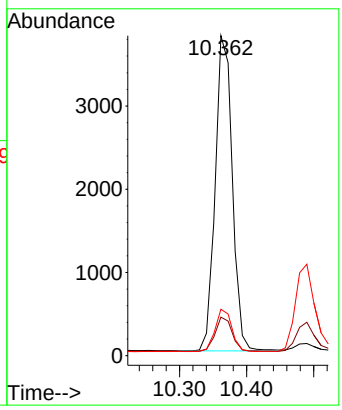


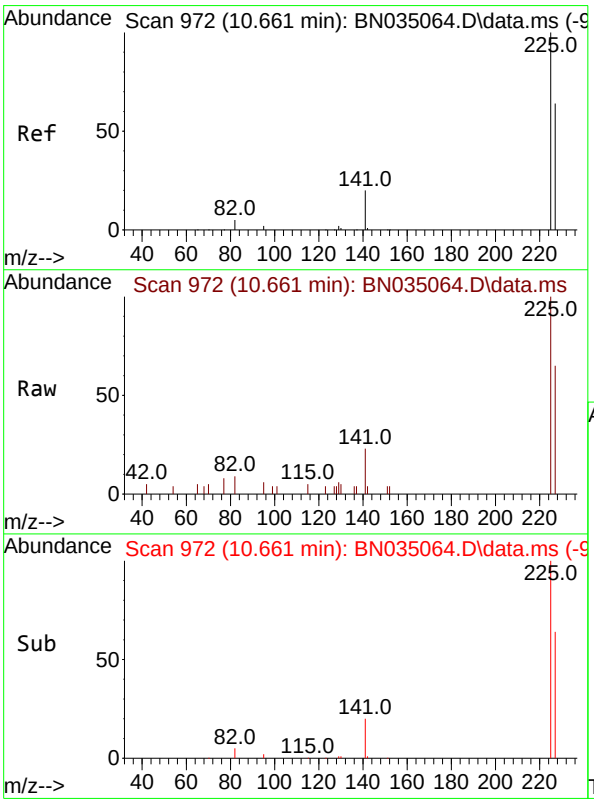
#9
Naphthalene
Concen: 0.374 ng
RT: 10.362 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 6705

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.6	14.4
127	14.5	11.6	17.4

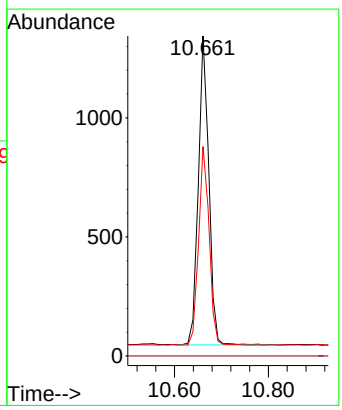


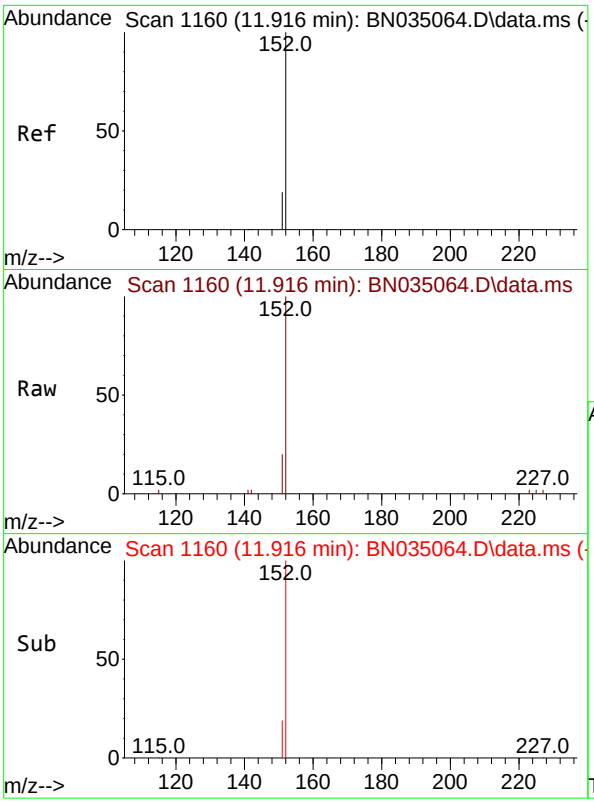


#10
Hexachlorobutadiene
Concen: 0.383 ng
RT: 10.661 min Scan# 972
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Tgt Ion:225 Resp: 2010

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	51.5	77.3



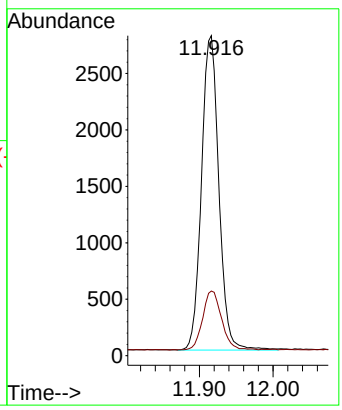


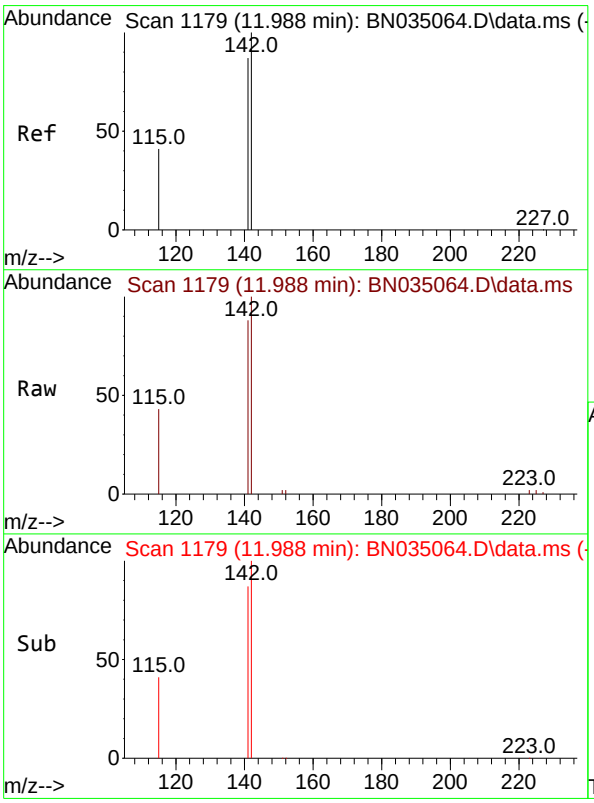
#11
2-Methylnaphthalene-d10
Concen: 0.373 ng
RT: 11.916 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 4559

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4

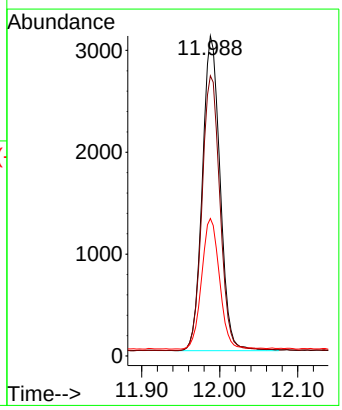


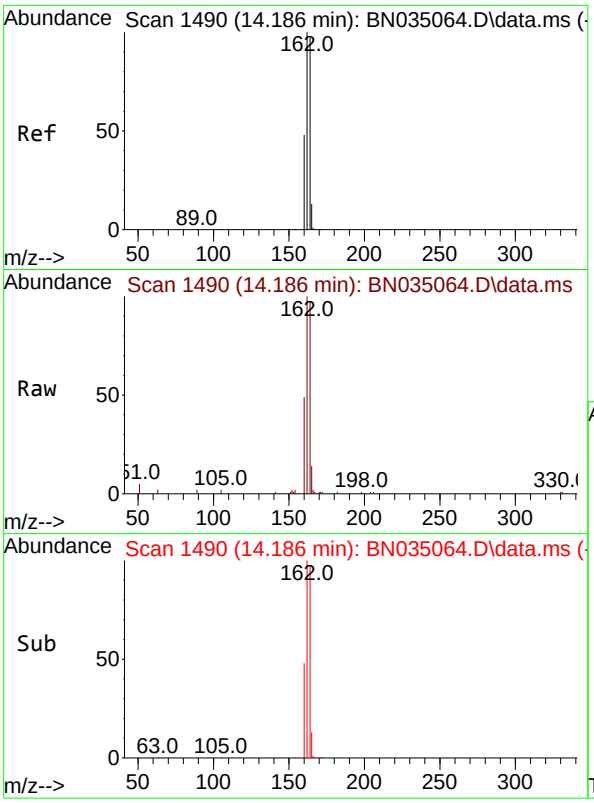


#12
2-Methylnaphthalene
Concen: 0.369 ng
RT: 11.988 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Tgt Ion:142 Resp: 4884

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.1	105.1
115	43.0	34.4	51.6



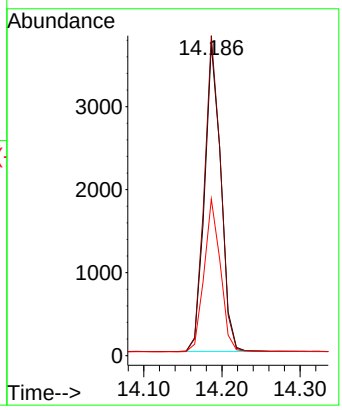


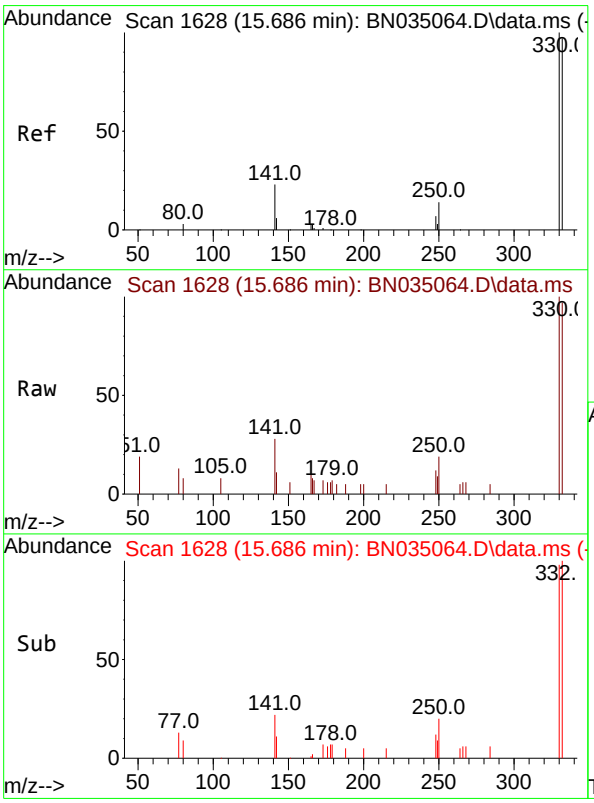
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.186 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 5401

Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.2	123.2
160	50.3	40.2	60.4

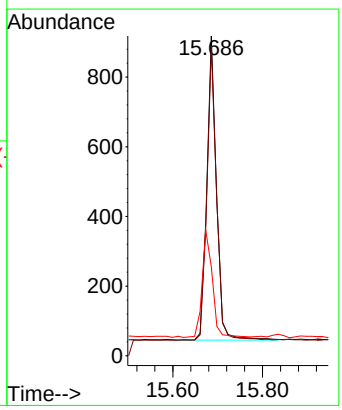


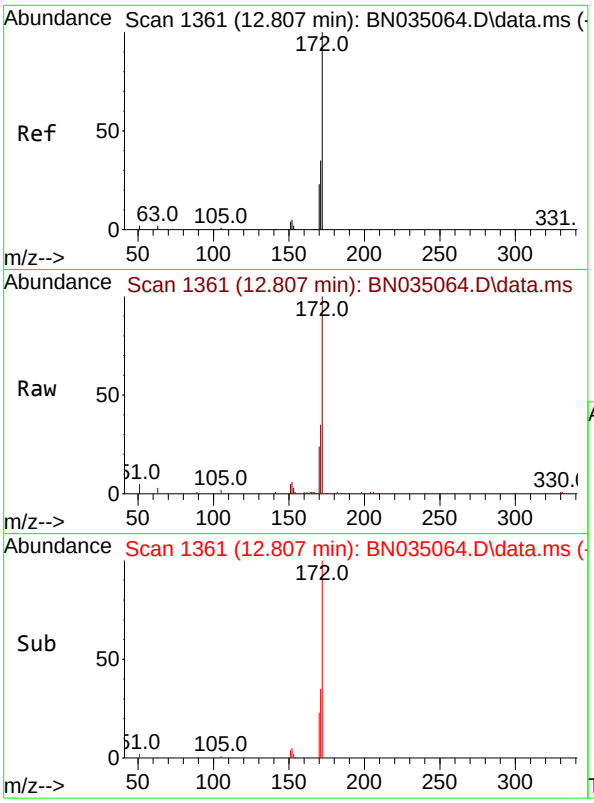


#14
2,4,6-Tribromophenol
Concen: 0.333 ng
RT: 15.686 min Scan# 1628
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Tgt Ion:330 Resp: 1295

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	37.0	29.6	44.4



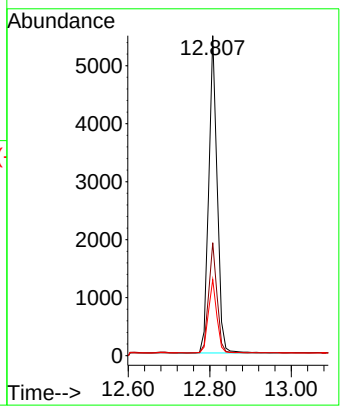


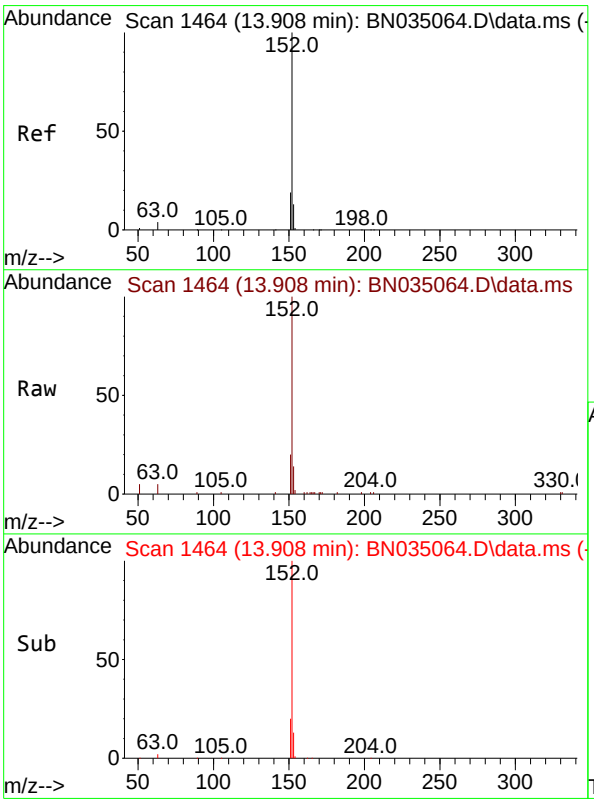
#15
2-Fluorobiphenyl
Concen: 0.360 ng
RT: 12.807 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 7888

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.8	19.0	28.6

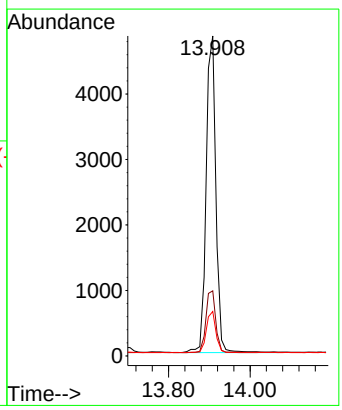


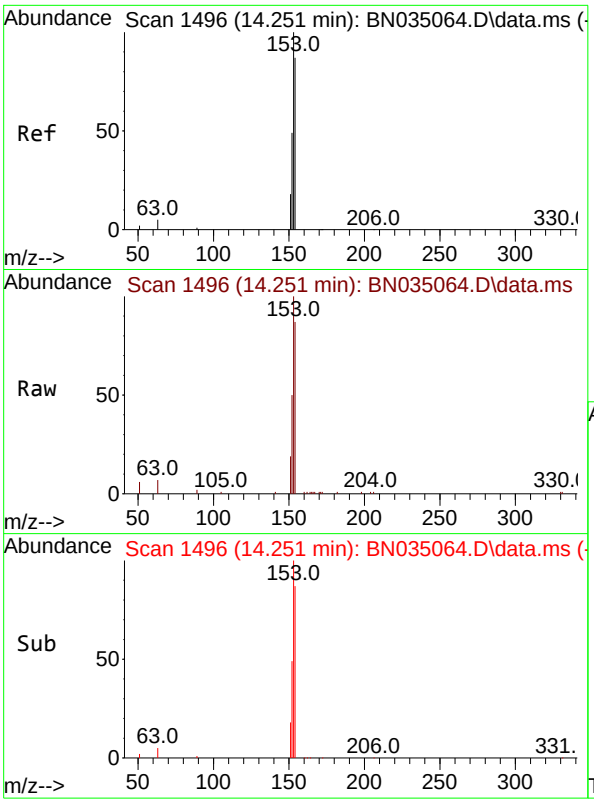


#16
Acenaphthylene
Concen: 0.348 ng
RT: 13.908 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Tgt Ion:152 Resp: 8034

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	12.8	10.2	15.4



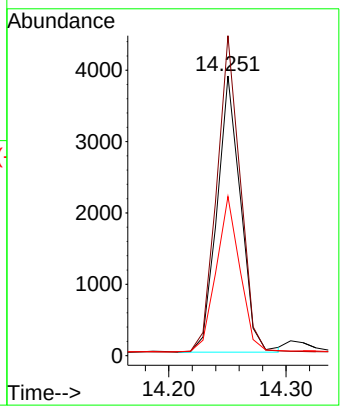


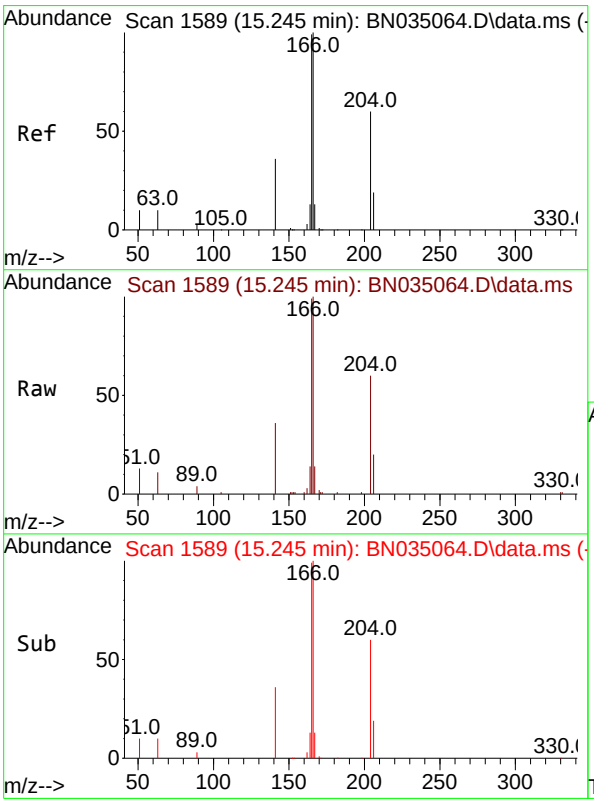
#17
Acenaphthene
Concen: 0.357 ng
RT: 14.251 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 5401

Ion	Ratio	Lower	Upper
154	100		
153	114.5	91.6	137.4
152	57.2	45.8	68.6

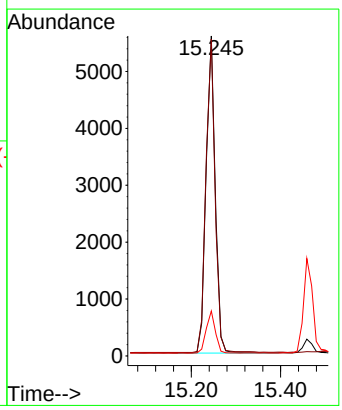


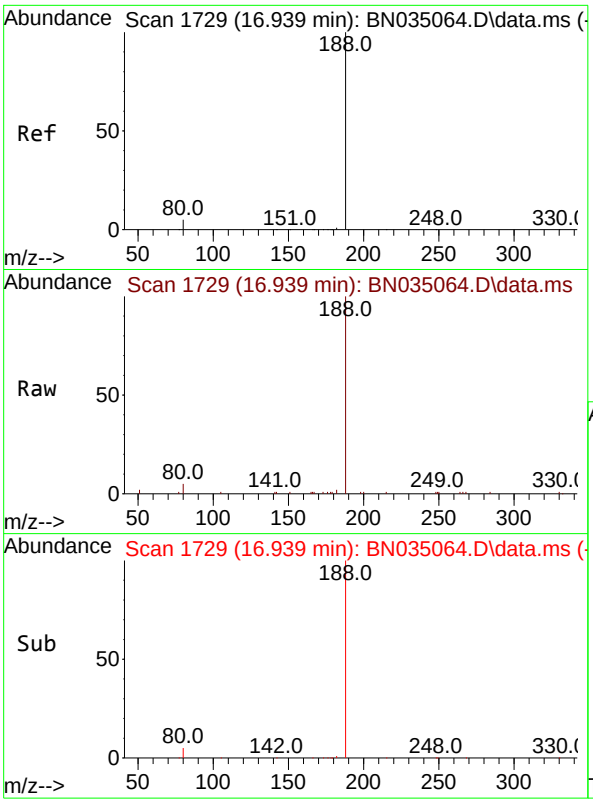


#18
Fluorene
Concen: 0.355 ng
RT: 15.245 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Tgt Ion:166 Resp: 7900

Ion	Ratio	Lower	Upper
166	100		
165	98.9	79.1	118.7
167	13.3	10.6	16.0



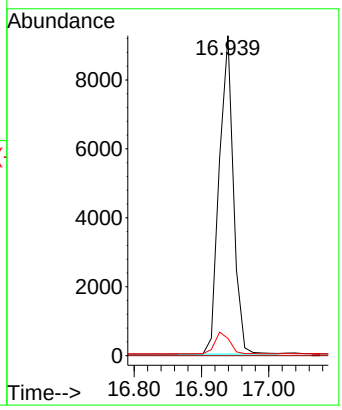


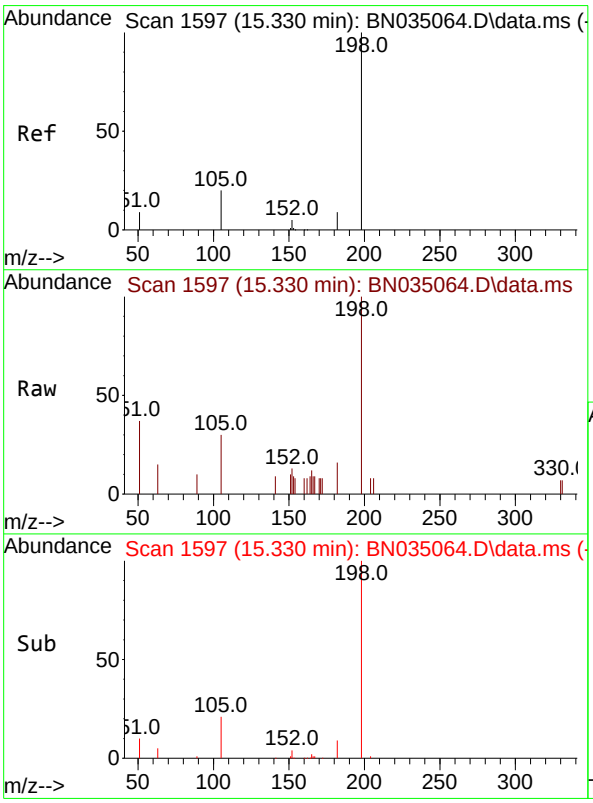
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.939 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 13499

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.4	4.3	6.5

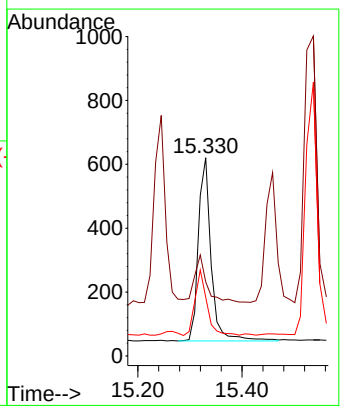


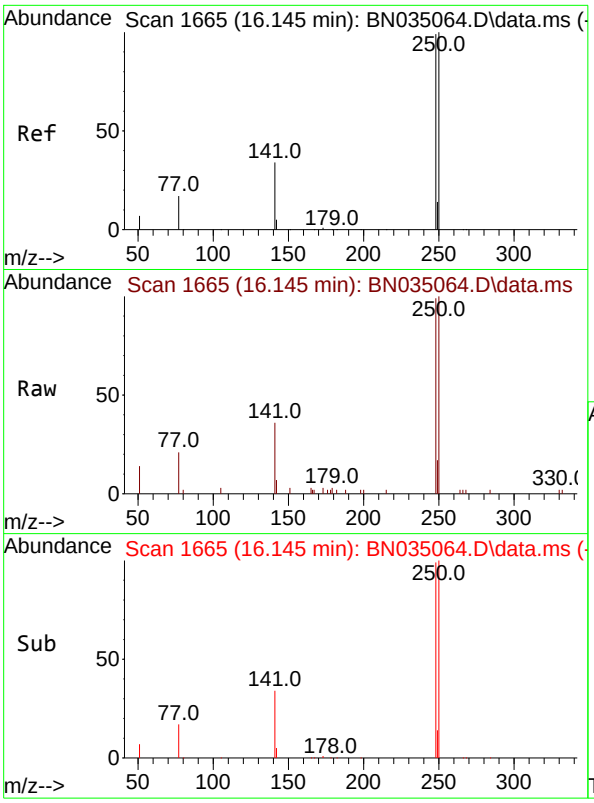


#20
4,6-Dinitro-2-methylphenol
Concen: 0.348 ng
RT: 15.330 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Tgt Ion:198 Resp: 979

Ion	Ratio	Lower	Upper
198	100		
51	37.4	29.9	44.9
105	29.6	23.7	35.5



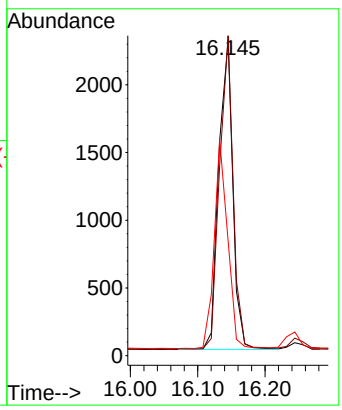


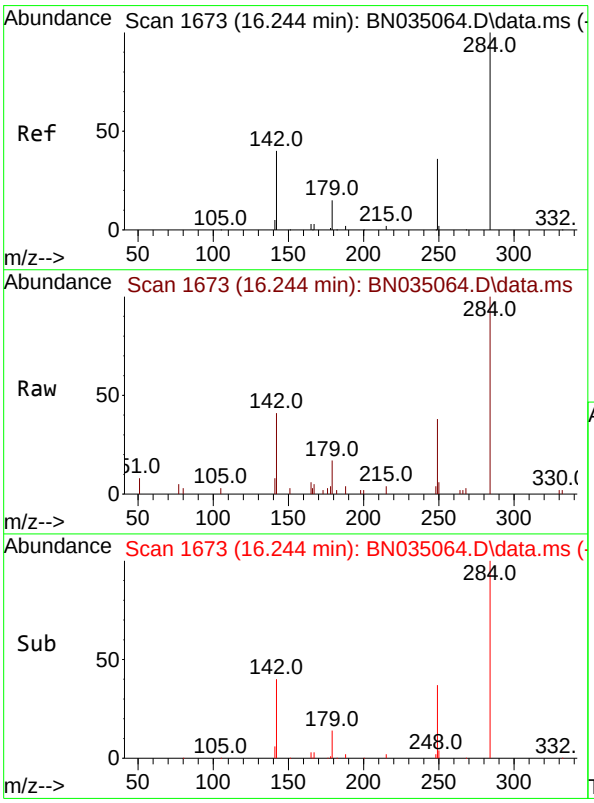
#21
4-Bromophenyl-phenylether
Concen: 0.386 ng
RT: 16.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:248 Resp: 3317

Ion	Ratio	Lower	Upper
248	100		
250	101.5	81.2	121.8
141	36.4	29.1	43.7

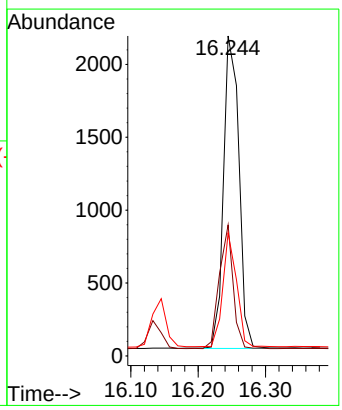


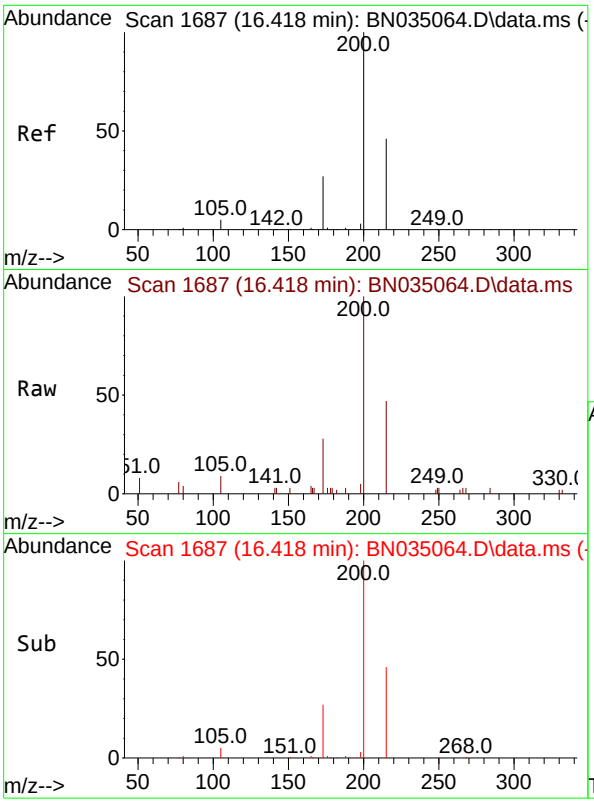


#22
Hexachlorobenzene
Concen: 0.382 ng
RT: 16.244 min Scan# 1673
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Tgt Ion:284 Resp: 3412

Ion	Ratio	Lower	Upper
284	100		
142	35.3	28.2	42.4
249	32.7	26.2	39.2



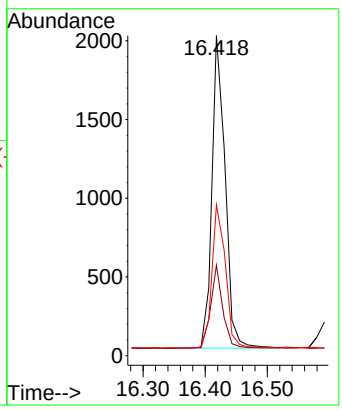


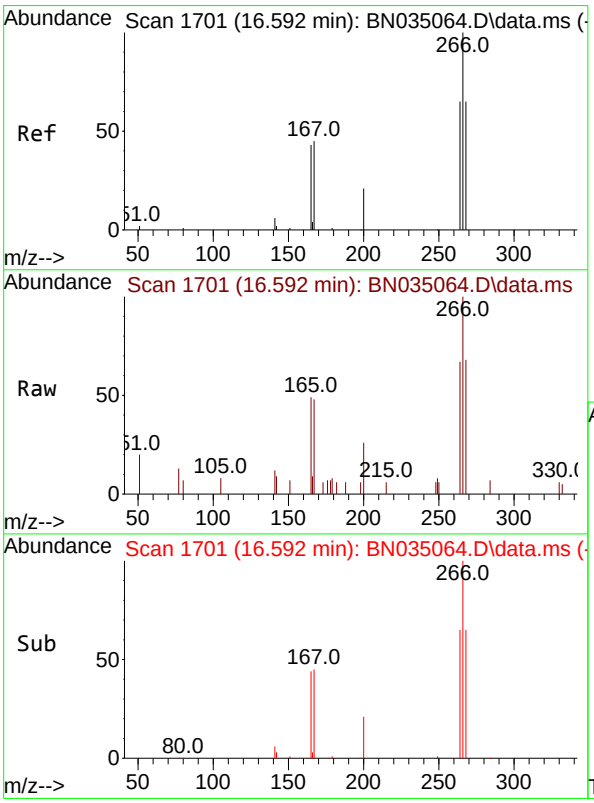
#23
Atrazine
Concen: 0.379 ng
RT: 16.418 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:200 Resp: 2925

Ion	Ratio	Lower	Upper
200	100		
173	28.2	22.6	33.8
215	47.2	37.8	56.6

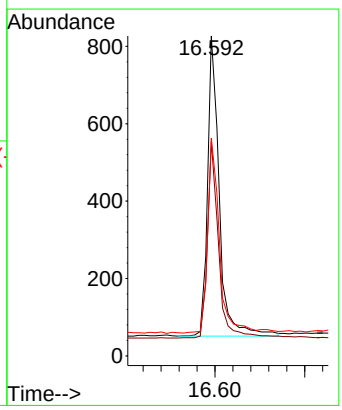


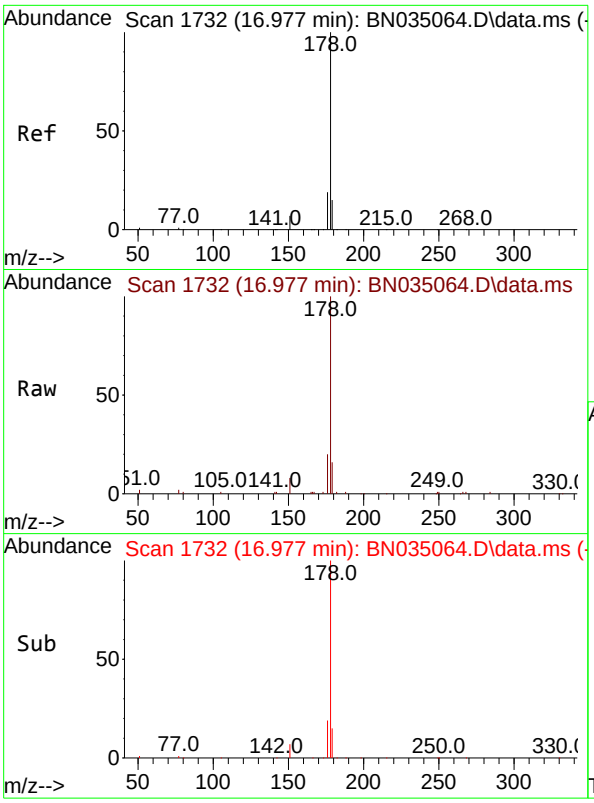


#24
Pentachlorophenol
Concen: 0.336 ng
RT: 16.592 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Tgt Ion:266 Resp: 1402

Ion	Ratio	Lower	Upper
266	100		
264	61.7	49.4	74.0
268	65.8	52.6	79.0



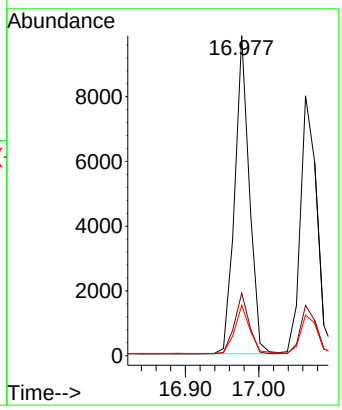


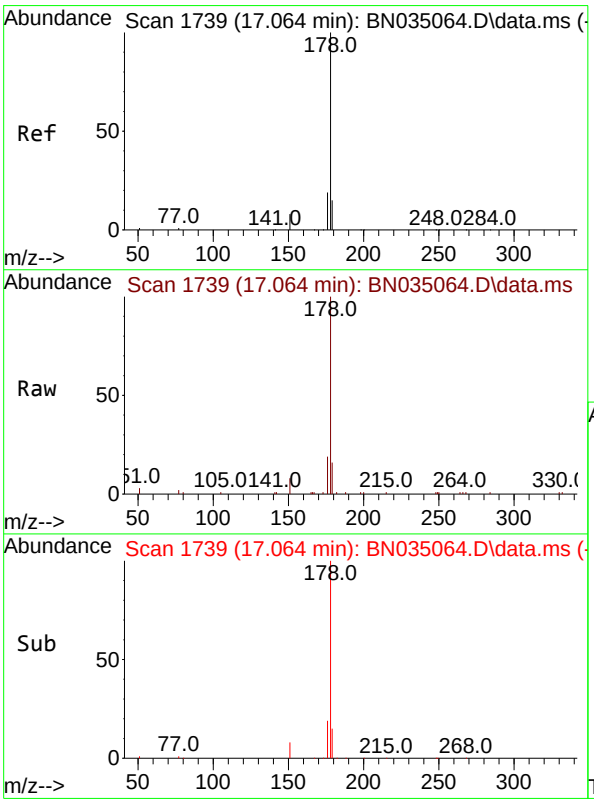
#25
Phenanthrene
Concen: 0.382 ng
RT: 16.977 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 13558

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.7	12.6	18.8

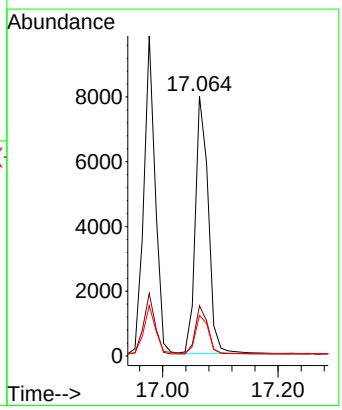


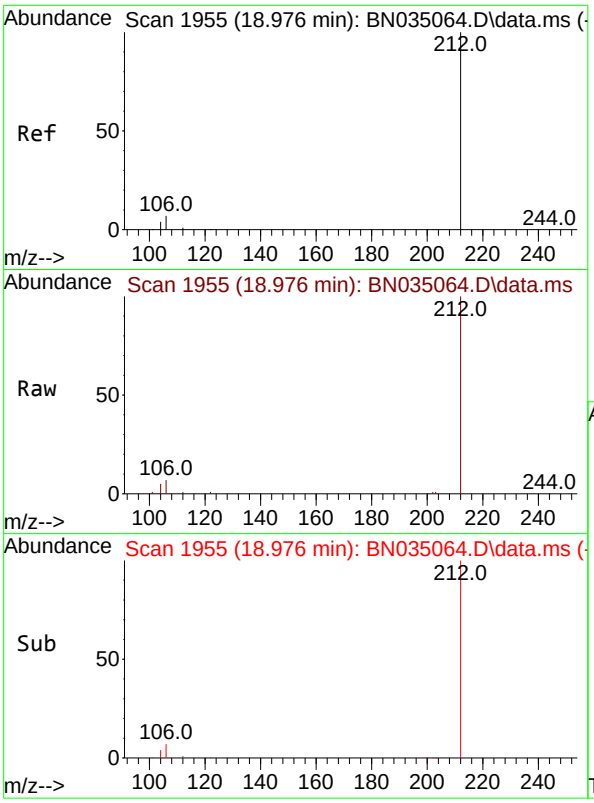


#26
Anthracene
Concen: 0.381 ng
RT: 17.064 min Scan# 1739
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Tgt Ion:178 Resp: 12422

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	15.2	12.2	18.2



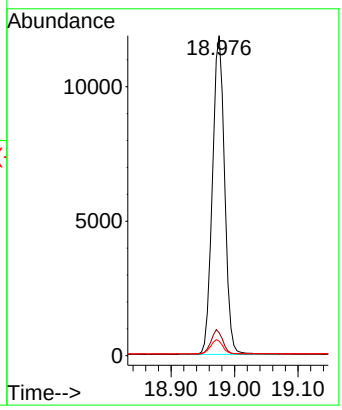


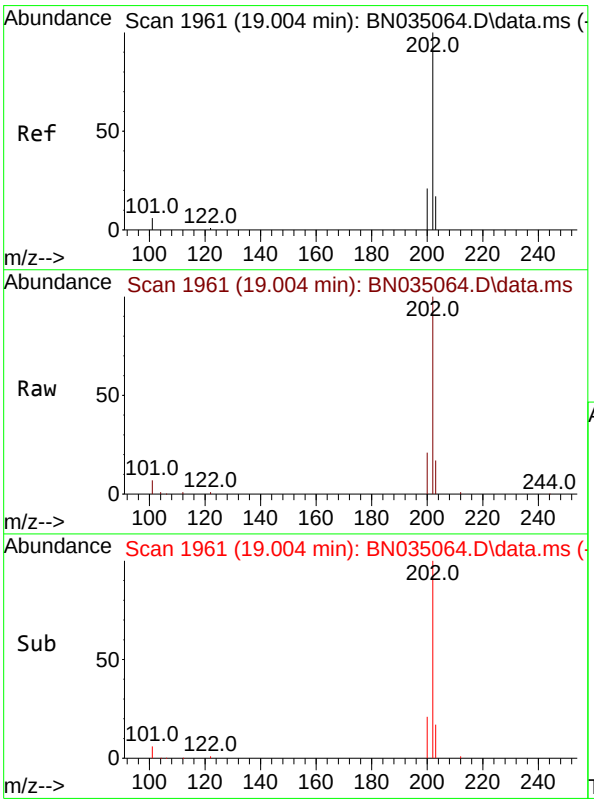
#27
Fluoranthene-d10
Concen: 0.382 ng
RT: 18.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 15786

Ion	Ratio	Lower	Upper
212	100		
106	7.5	6.0	9.0
104	4.4	3.5	5.3

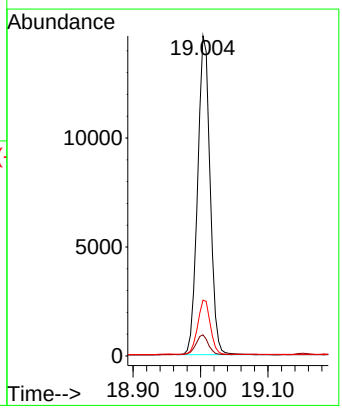


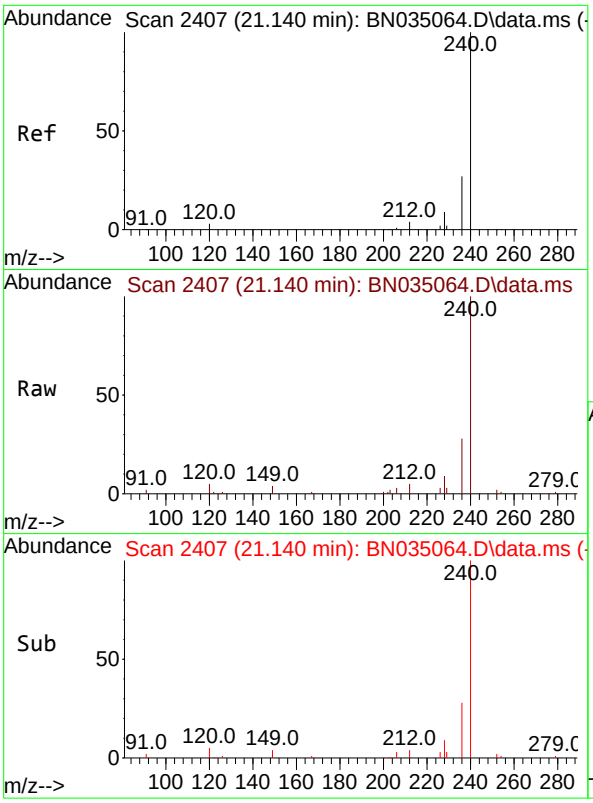


#28
Fluoranthene
Concen: 0.383 ng
RT: 19.004 min Scan# 1961
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Tgt Ion:202 Resp: 18716

Ion	Ratio	Lower	Upper
202	100		
101	6.5	5.2	7.8
203	17.3	13.8	20.8



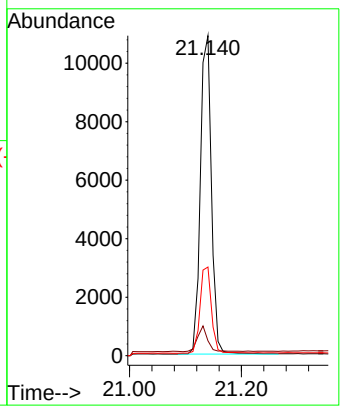


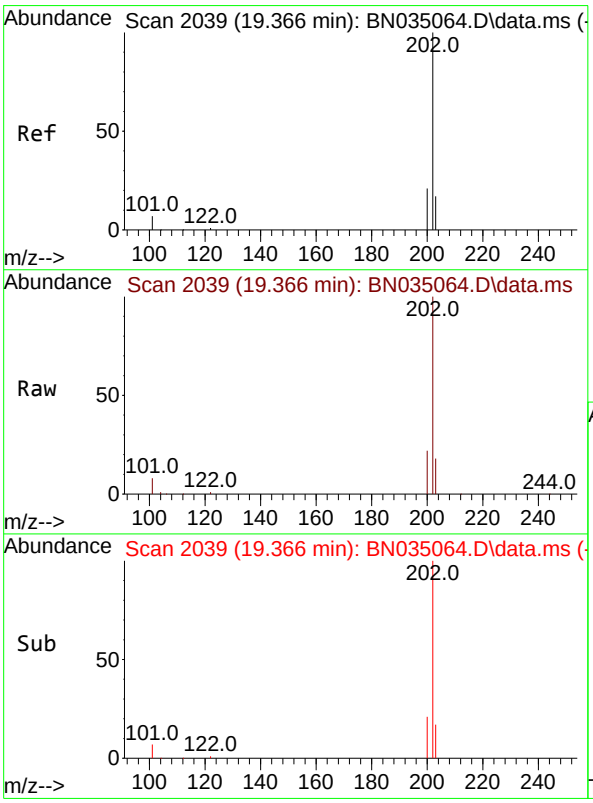
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.140 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 14946

Ion	Ratio	Lower	Upper
240	100		
120	4.7	3.8	5.6
236	27.7	22.2	33.2

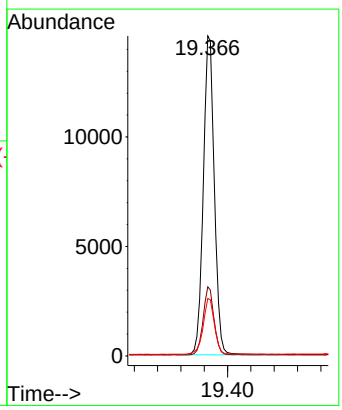


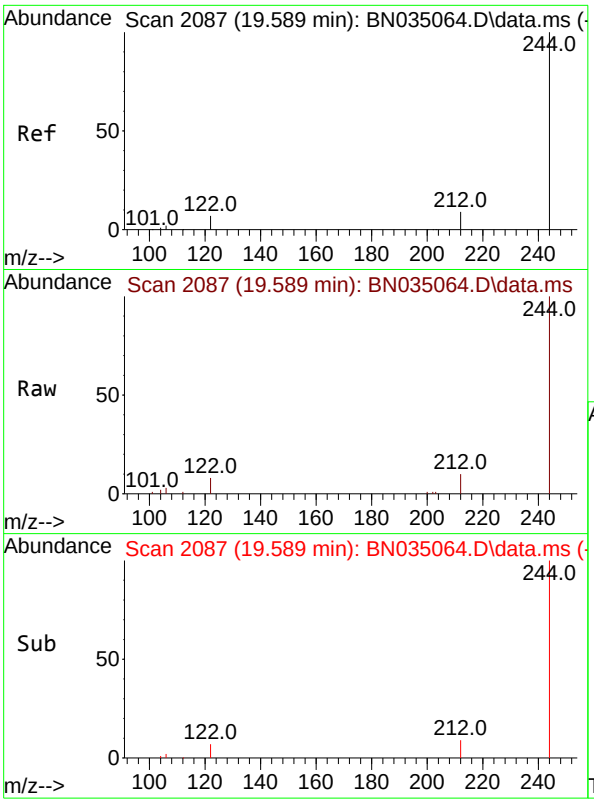


#30
Pyrene
Concen: 0.387 ng
RT: 19.366 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Tgt Ion:202 Resp: 19252

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.8	14.2	21.4



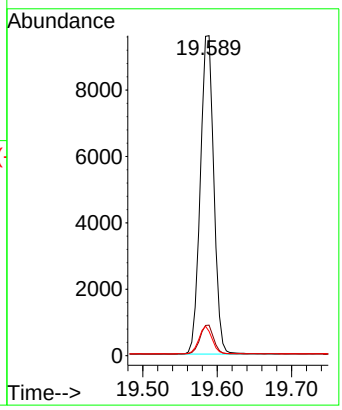


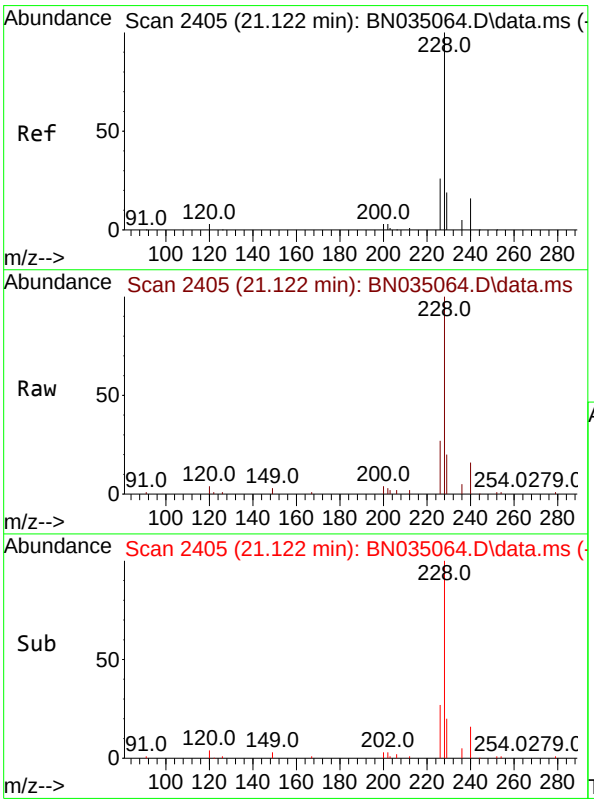
#31
Terphenyl-d14
Concen: 0.386 ng
RT: 19.589 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 12101

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.6	11.4
122	7.6	6.1	9.1

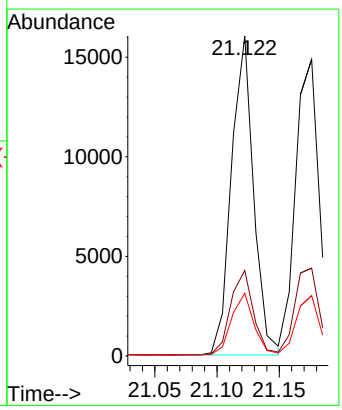


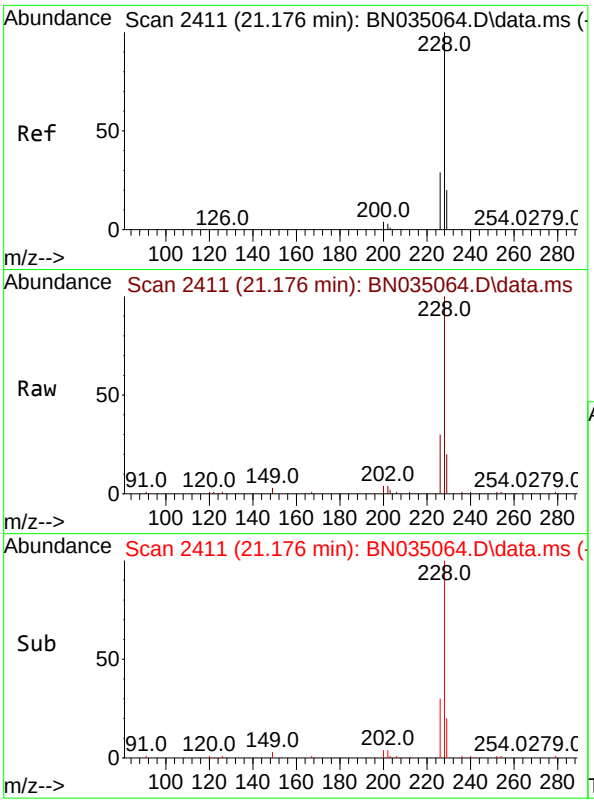


#32
Benzo(a)anthracene
Concen: 0.381 ng
RT: 21.122 min Scan# 2405
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Tgt Ion:228 Resp: 19844

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.4	32.0
229	19.6	15.7	23.5



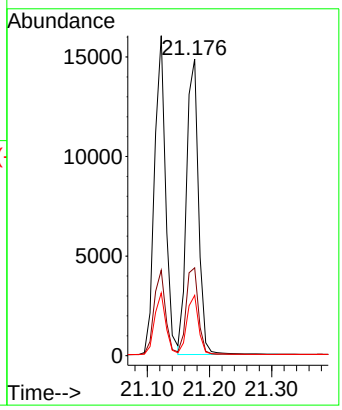


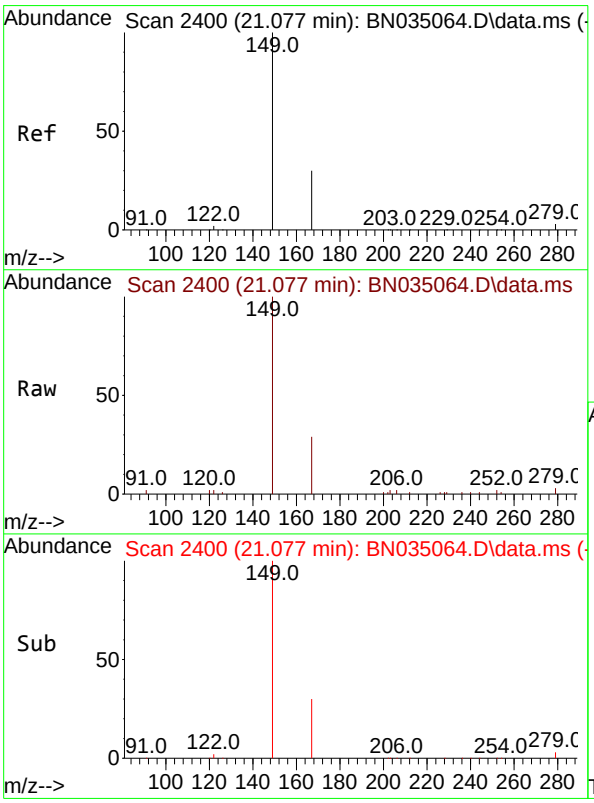
#33
Chrysene
Concen: 0.386 ng
RT: 21.176 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 19908

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.7	35.5
229	20.3	16.2	24.4

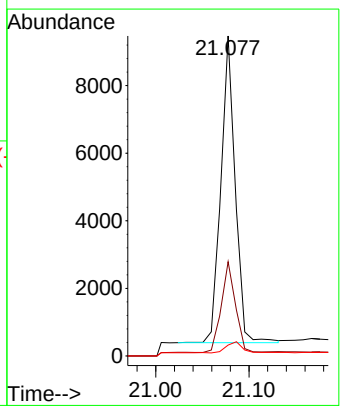


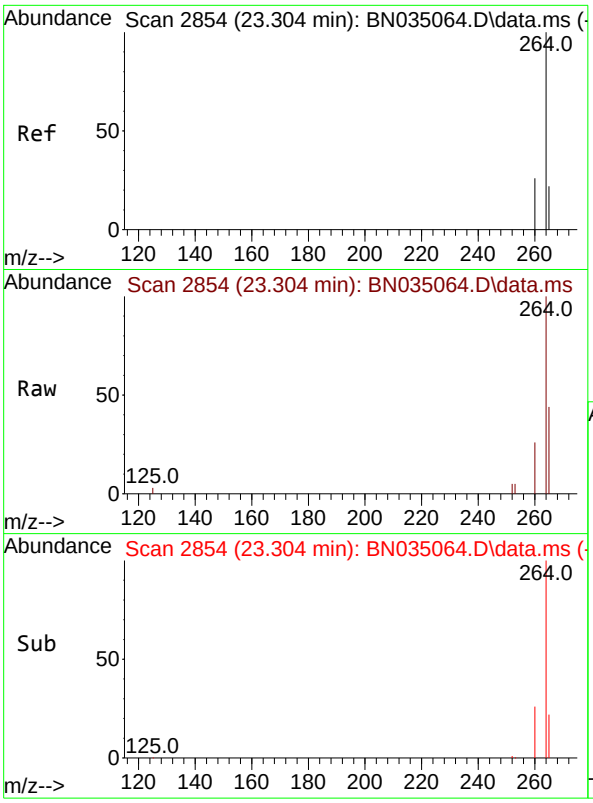


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.357 ng
RT: 21.077 min Scan# 2400
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Tgt Ion:149 Resp: 9671

Ion	Ratio	Lower	Upper
149	100		
167	29.0	23.2	34.8
279	4.0	3.2	4.8



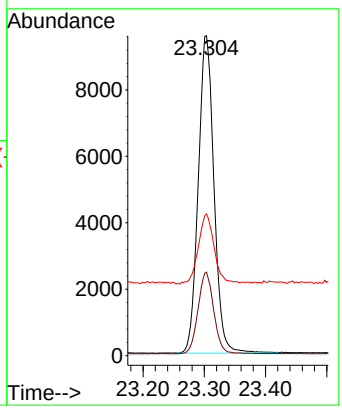


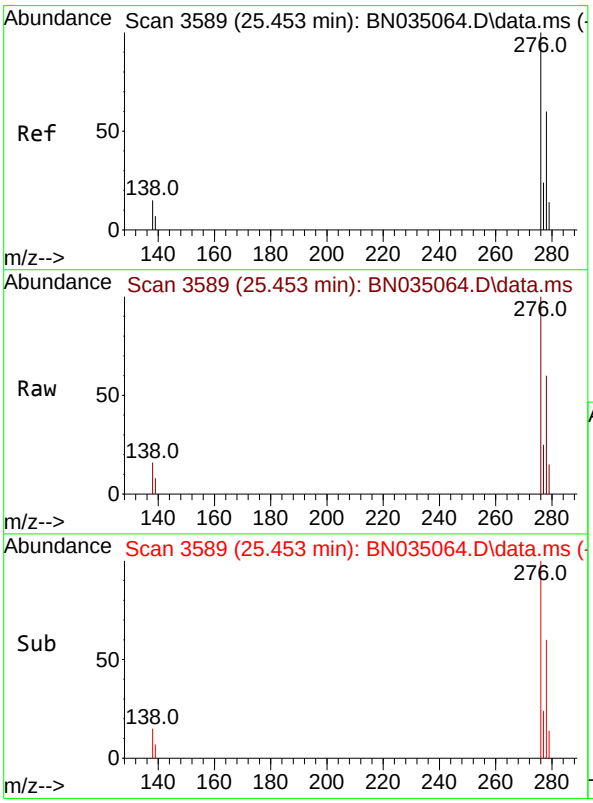
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.304 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:264 Resp: 17077

Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.9	31.3
265	44.3	35.4	53.2

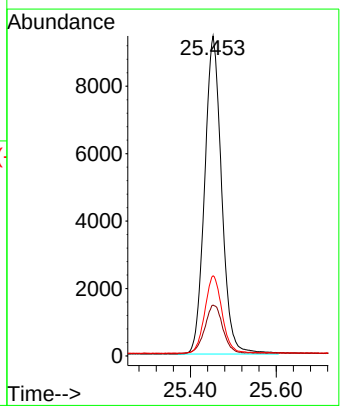


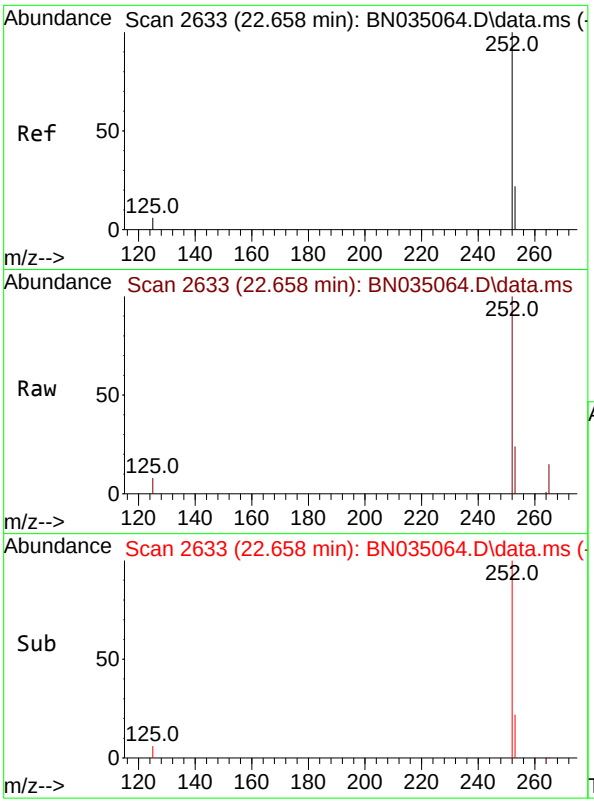


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.381 ng
RT: 25.453 min Scan# 3589
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Tgt Ion:276 Resp: 25986

Ion	Ratio	Lower	Upper
276	100		
138	16.2	13.0	19.4
277	24.7	19.8	29.6



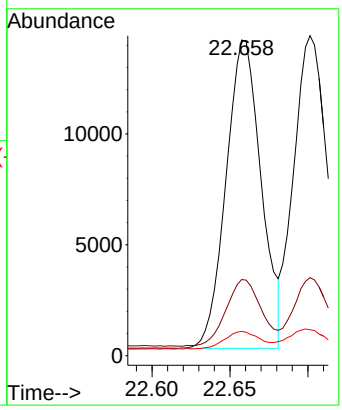


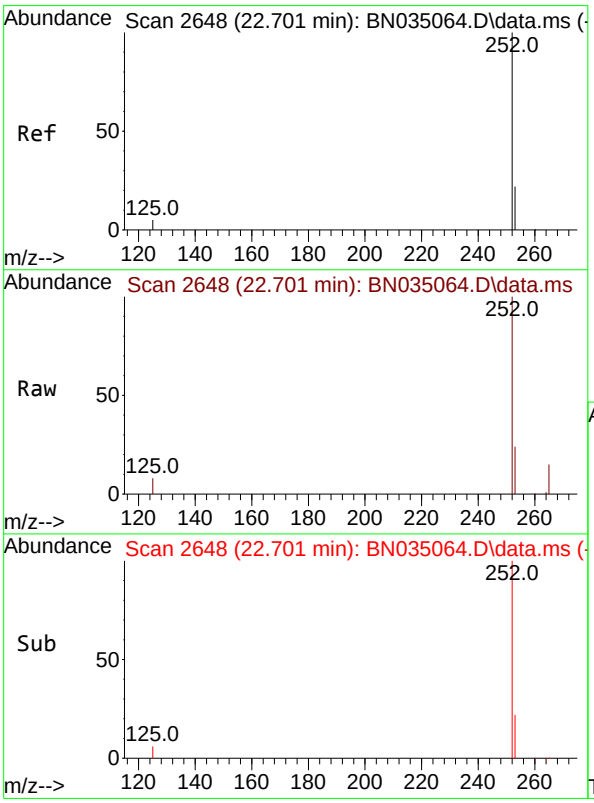
#37
Benzo(b)fluoranthene
Concen: 0.380 ng
RT: 22.658 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 21843

Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.3	28.9
125	7.7	6.2	9.2

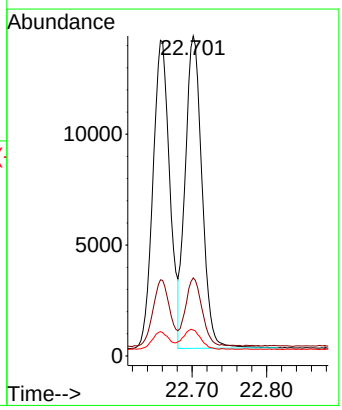


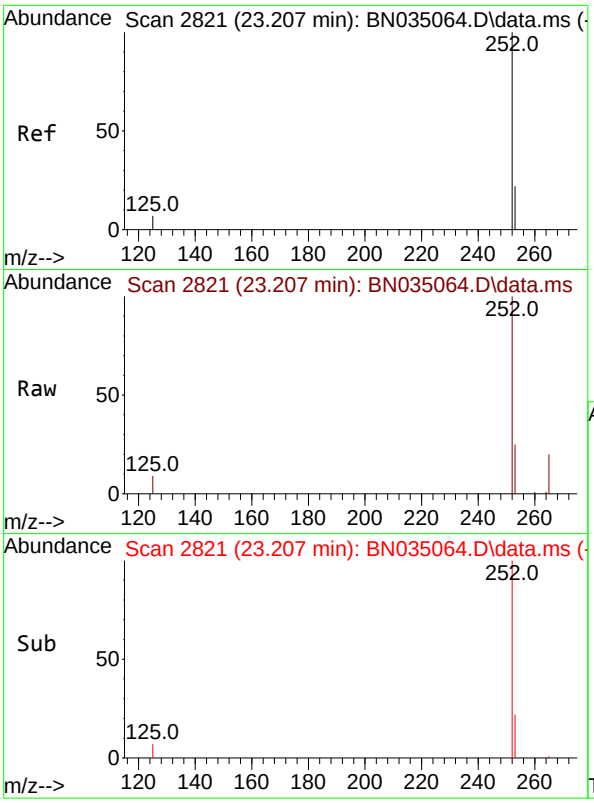


#38
Benzo(k)fluoranthene
Concen: 0.382 ng
RT: 22.701 min Scan# 2648
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Tgt Ion:252 Resp: 21977

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.5	29.3
125	8.1	6.5	9.7



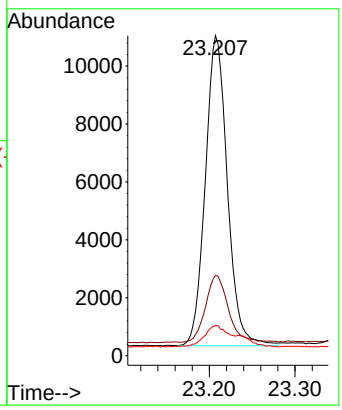


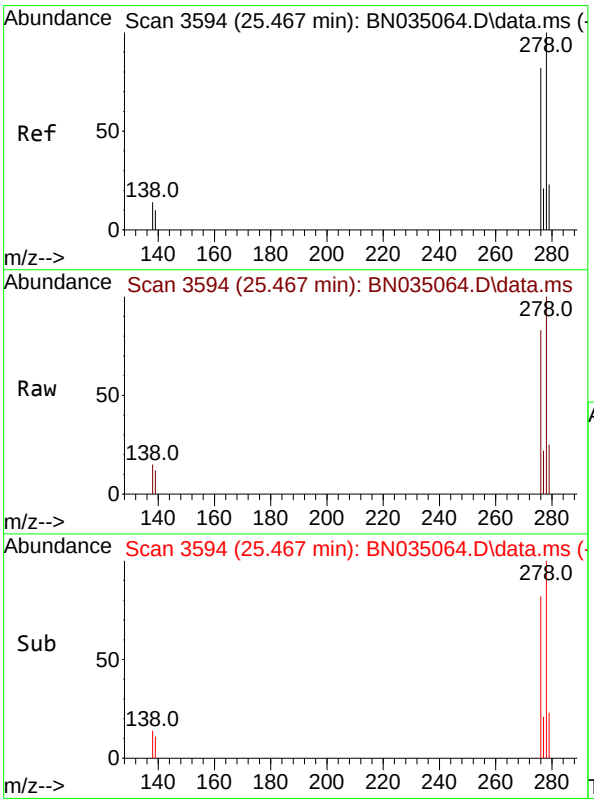
#39
Benzo(a)pyrene
Concen: 0.379 ng
RT: 23.207 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 19170

Ion	Ratio	Lower	Upper
252	100		
253	25.1	20.1	30.1
125	9.4	7.5	11.3

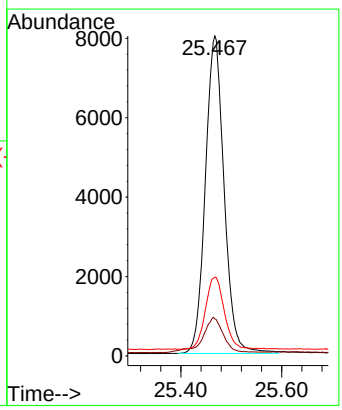


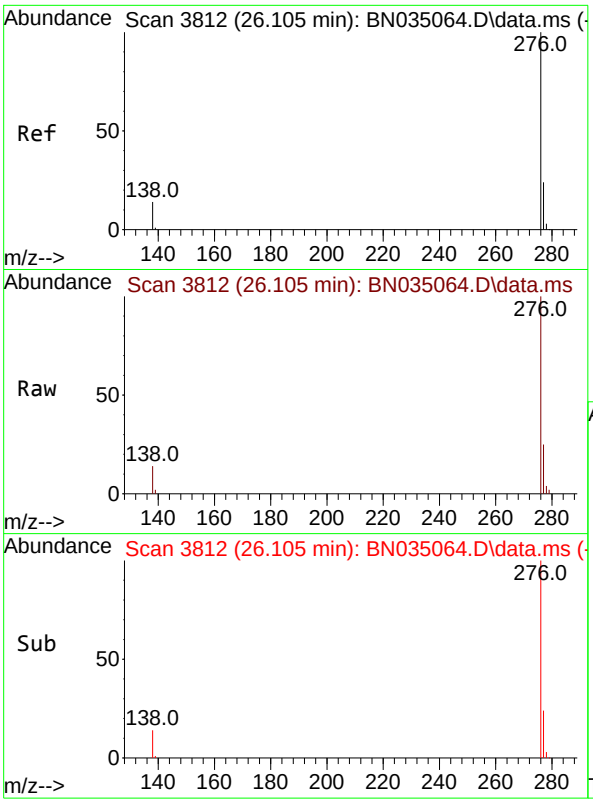


#40
Dibenzo(a,h)anthracene
Concen: 0.383 ng
RT: 25.467 min Scan# 3594
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Tgt Ion:278 Resp: 20655

Ion	Ratio	Lower	Upper
278	100		
139	11.6	9.3	13.9
279	24.6	19.7	29.5



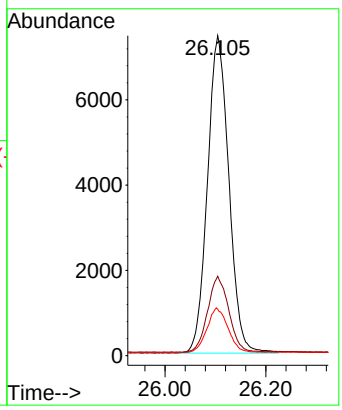


#41
Benzo(g,h,i)perylene
Concen: 0.382 ng
RT: 26.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN035064.D
Acq: 13 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 21955

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.9	29.9
138	14.5	11.6	17.4



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035065.D
Acq On : 13 Nov 2024 14:28
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Nov 13 16:44:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 16:42:01 2024
Response via : Initial Calibration

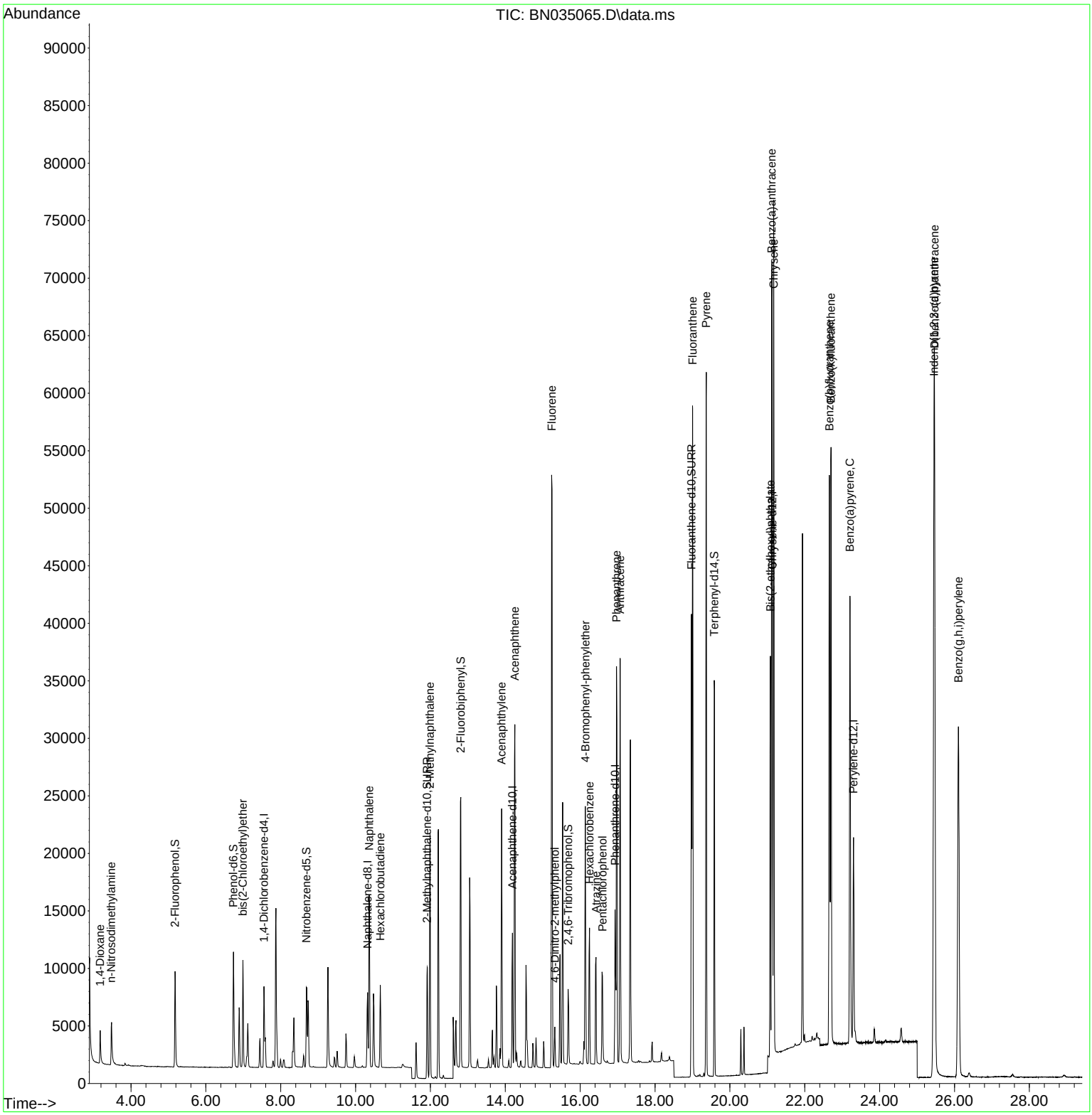
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.553	152	3429	0.400	ng		0.00
7) Naphthalene-d8	10.319	136	8612	0.400	ng		0.00
13) Acenaphthene-d10	14.190	164	6454	0.400	ng		0.00
19) Phenanthrene-d10	16.933	188	17302	0.400	ng	#	0.00
29) Chrysene-d12	21.134	240	19278	0.400	ng	#	0.00
35) Perylene-d12	23.300	264	21751	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	7450	0.856	ng		0.00
5) Phenol-d6	6.737	99	9293	0.851	ng		0.00
8) Nitrobenzene-d5	8.685	82	6336	0.848	ng		-0.01
11) 2-Methylnaphthalene-d10	11.912	152	13119	0.855	ng		0.00
14) 2,4,6-Tribromophenol	15.679	330	3866	0.831	ng		0.00
15) 2-Fluorobiphenyl	12.811	172	22399	0.855	ng		0.00
27) Fluoranthene-d10	18.973	212	44583	0.841	ng		0.00
31) Terphenyl-d14	19.582	244	34460	0.852	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.177	88	2545	0.817	ng		99
3) n-Nitrosodimethylamine	3.473	42	2466	0.853	ng	#	96
6) bis(2-Chloroethyl)ether	6.990	93	7043	0.860	ng		99
9) Naphthalene	10.362	128	19223	0.855	ng		98
10) Hexachlorobutadiene	10.661	225	5612	0.851	ng	#	100
12) 2-Methylnaphthalene	11.988	142	14179	0.855	ng		99
16) Acenaphthylene	13.902	152	23520	0.853	ng		99
17) Acenaphthene	14.254	154	15511	0.858	ng		99
18) Fluorene	15.238	166	22649	0.852	ng		99
20) 4,6-Dinitro-2-methylph...	15.323	198	3013	0.837	ng	#	87
21) 4-Bromophenyl-phenylether	16.138	248	9403	0.853	ng	#	85
22) Hexachlorobenzene	16.250	284	9574	0.837	ng		99
23) Atrazine	16.424	200	8427	0.852	ng	#	92
24) Pentachlorophenol	16.597	266	4494	0.841	ng		98
25) Phenanthrene	16.970	178	38573	0.847	ng		99
26) Anthracene	17.069	178	35437	0.847	ng		100
28) Fluoranthene	19.006	202	53391	0.853	ng		100
30) Pyrene	19.368	202	54892	0.855	ng		100
32) Benzo(a)anthracene	21.116	228	56460	0.841	ng		98
33) Chrysene	21.169	228	57039	0.858	ng		98
34) Bis(2-ethylhexyl)phtha...	21.080	149	29628	0.848	ng		100
36) Indeno(1,2,3-cd)pyrene	25.452	276	75270	0.867	ng		100
37) Benzo(b)fluoranthene	22.657	252	62606	0.855	ng		97
38) Benzo(k)fluoranthene	22.701	252	61702	0.843	ng		96
39) Benzo(a)pyrene	23.206	252	54251	0.842	ng	#	95
40) Dibenzo(a,h)anthracene	25.466	278	59829	0.870	ng		99
41) Benzo(g,h,i)perylene	26.104	276	63167	0.864	ng		98

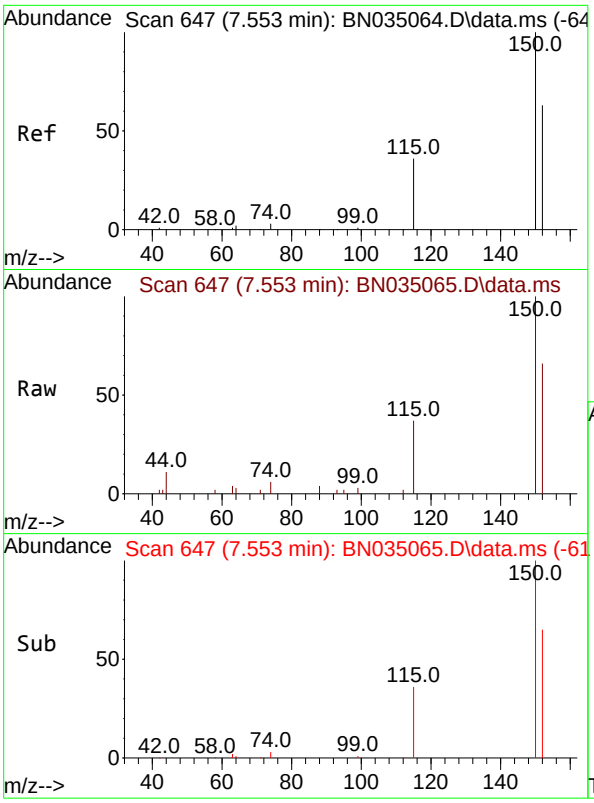
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035065.D
Acq On : 13 Nov 2024 14:28
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Nov 13 16:44:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 16:42:01 2024
Response via : Initial Calibration



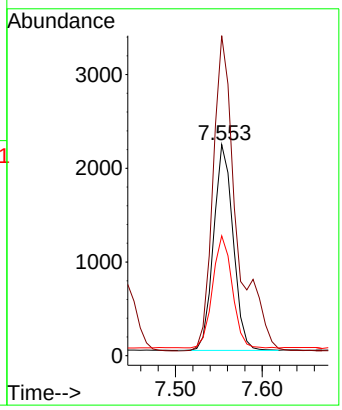


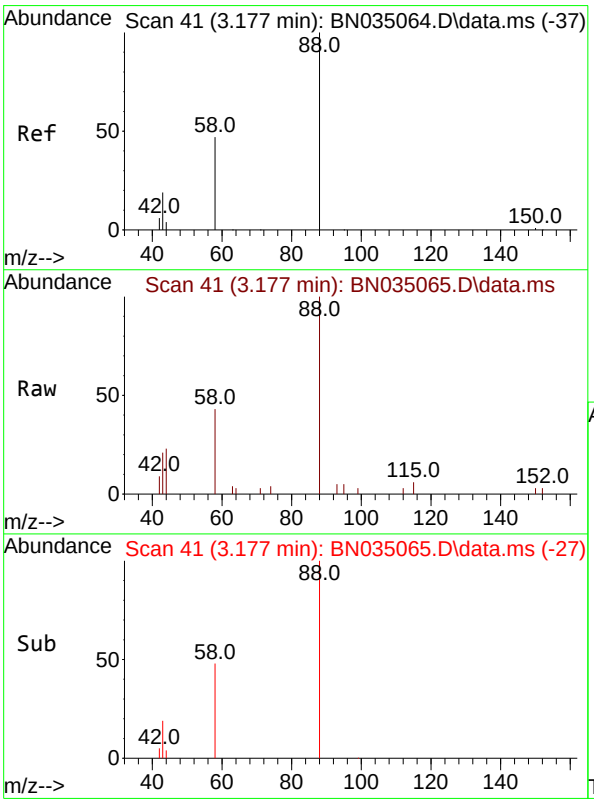
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.553 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 3429

Ion	Ratio	Lower	Upper
152	100		
150	151.6	124.5	186.7
115	56.8	47.8	71.6

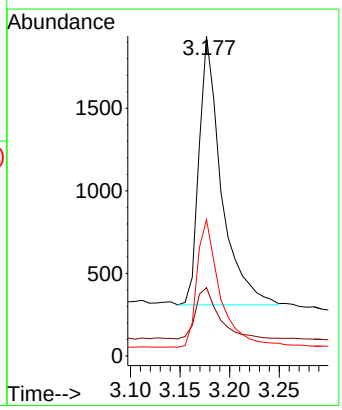


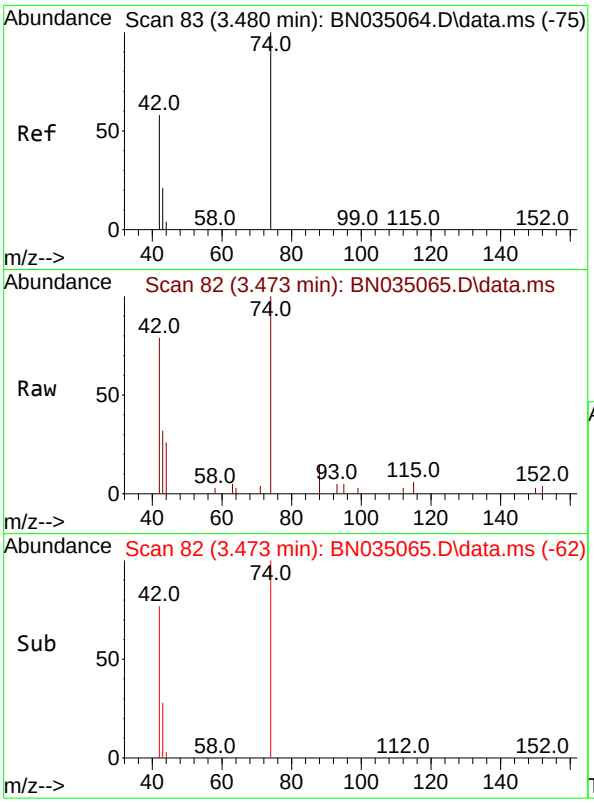


#2
1,4-Dioxane
Concen: 0.817 ng
RT: 3.177 min Scan# 41
Delta R.T. 0.000 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Tgt Ion: 88 Resp: 2545

Ion	Ratio	Lower	Upper
88	100		
43	19.8	16.9	25.3
58	49.3	39.0	58.4



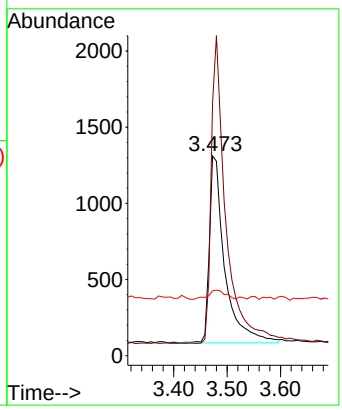


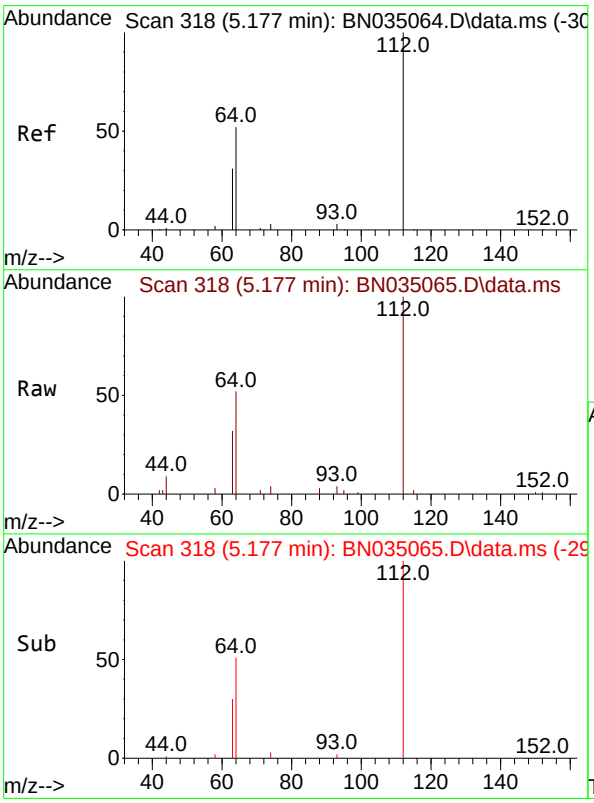
#3
n-Nitrosodimethylamine
Concen: 0.853 ng
RT: 3.473 min Scan# 8
Delta R.T. -0.007 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 42 Resp: 2466

Ion	Ratio	Lower	Upper
42	100		
74	155.8	120.8	181.2
44	5.4	2.9	4.3#

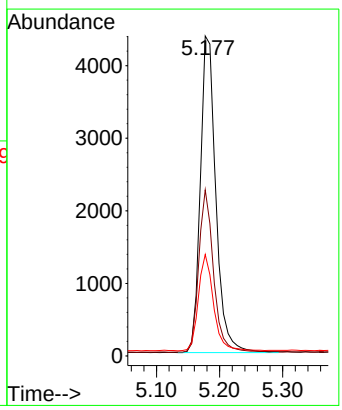


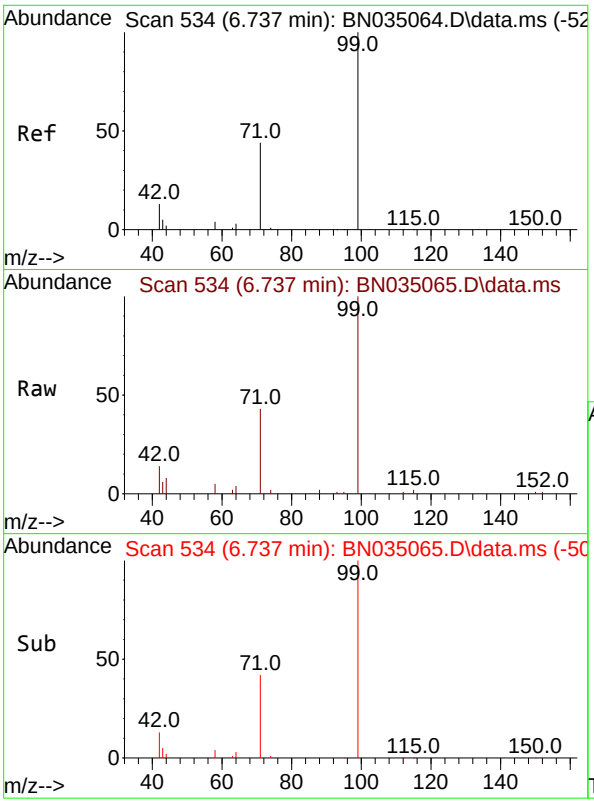


#4
2-Fluorophenol
Concen: 0.856 ng
RT: 5.177 min Scan# 318
Delta R.T. 0.000 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Tgt Ion:112 Resp: 7450

Ion	Ratio	Lower	Upper
112	100		
64	49.1	39.7	59.5
63	29.6	23.0	34.4



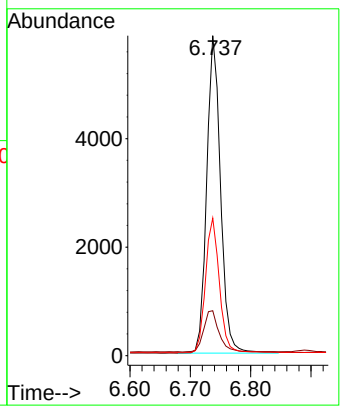


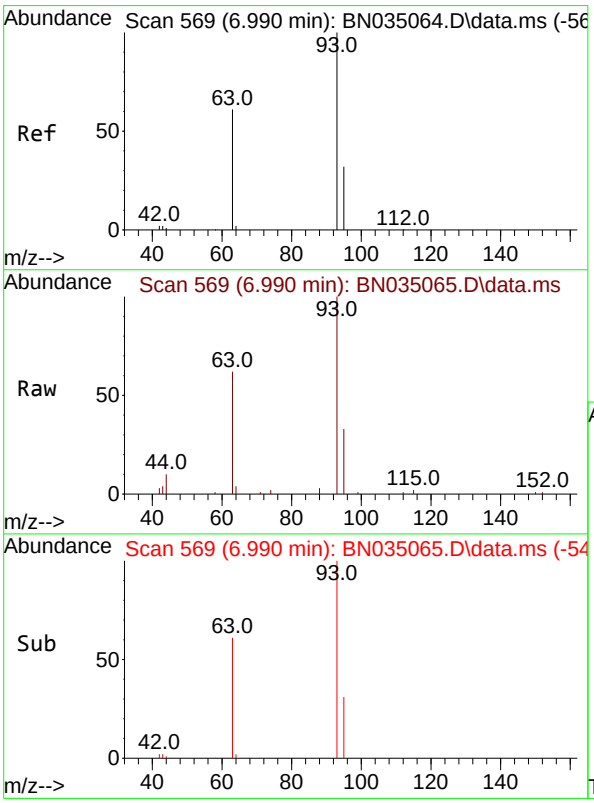
#5
Phenol-d6
Concen: 0.851 ng
RT: 6.737 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 99 Resp: 9293

Ion	Ratio	Lower	Upper
99	100		
42	14.5	11.4	17.0
71	42.9	34.6	51.8

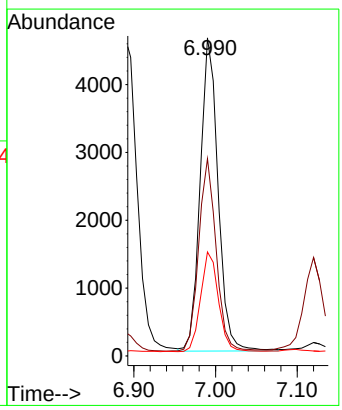


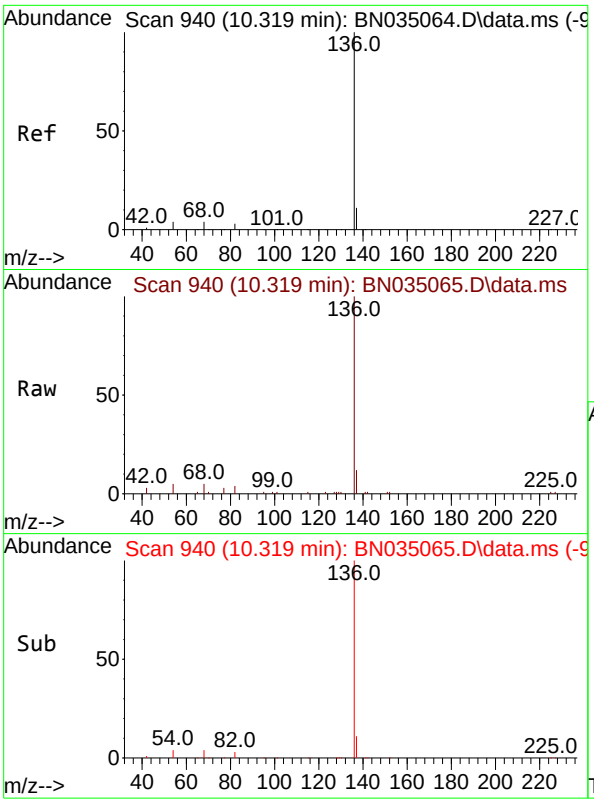


#6
bis(2-Chloroethyl)ether
Concen: 0.860 ng
RT: 6.990 min Scan# 569
Delta R.T. 0.000 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Tgt Ion: 93 Resp: 7043

Ion	Ratio	Lower	Upper
93	100		
63	60.1	47.4	71.2
95	31.8	26.2	39.4



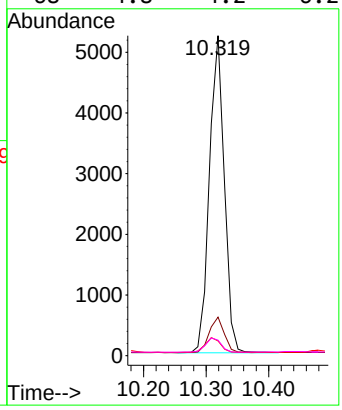


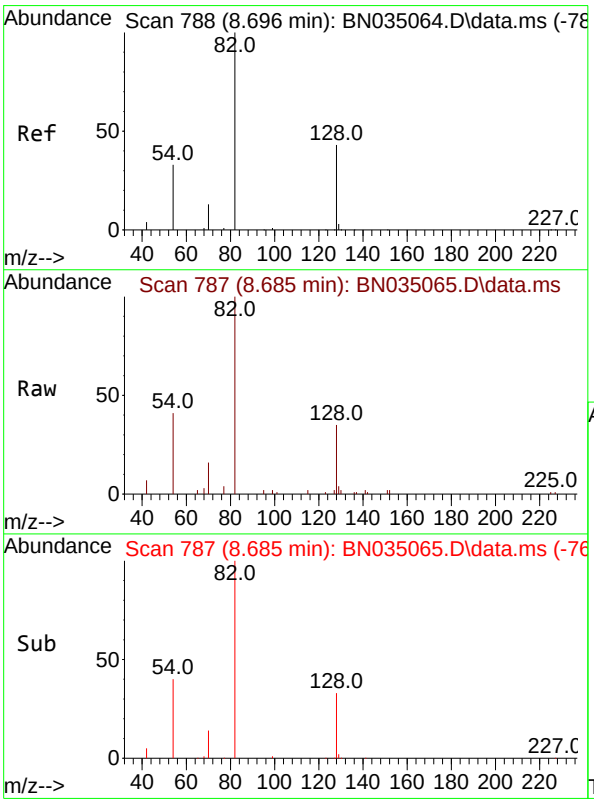
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.319 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:136 Resp: 8612

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.8	14.8
54	4.6	4.0	6.0
68	4.8	4.2	6.2

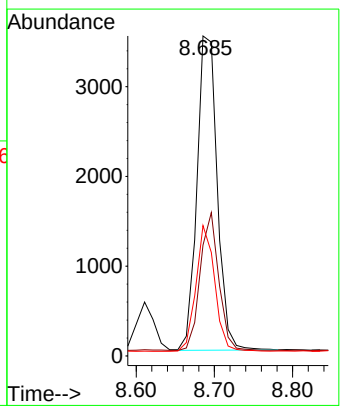


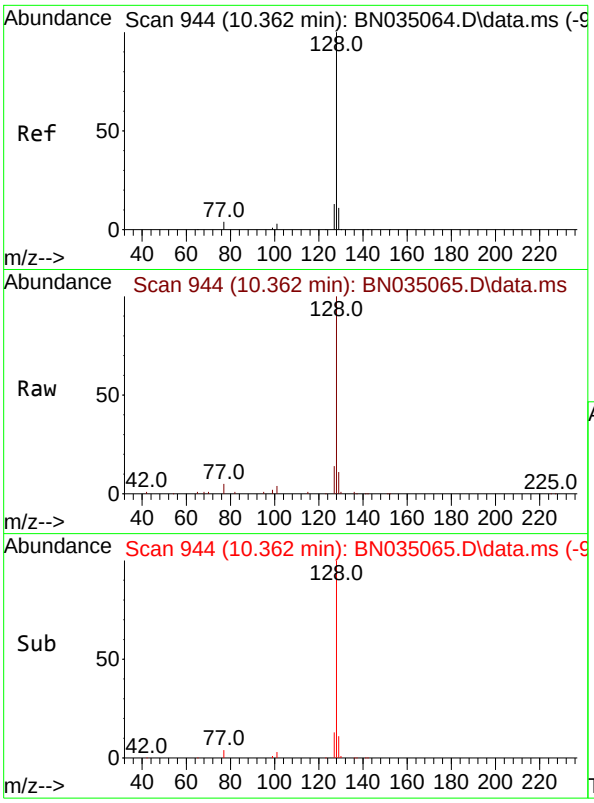


#8
Nitrobenzene-d5
Concen: 0.848 ng
RT: 8.685 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Tgt Ion: 82 Resp: 6336

Ion	Ratio	Lower	Upper
82	100		
128	34.6	36.5	54.7#
54	40.8	28.7	43.1



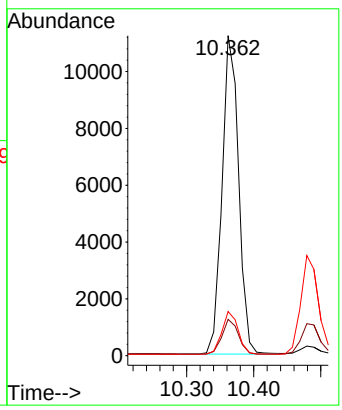


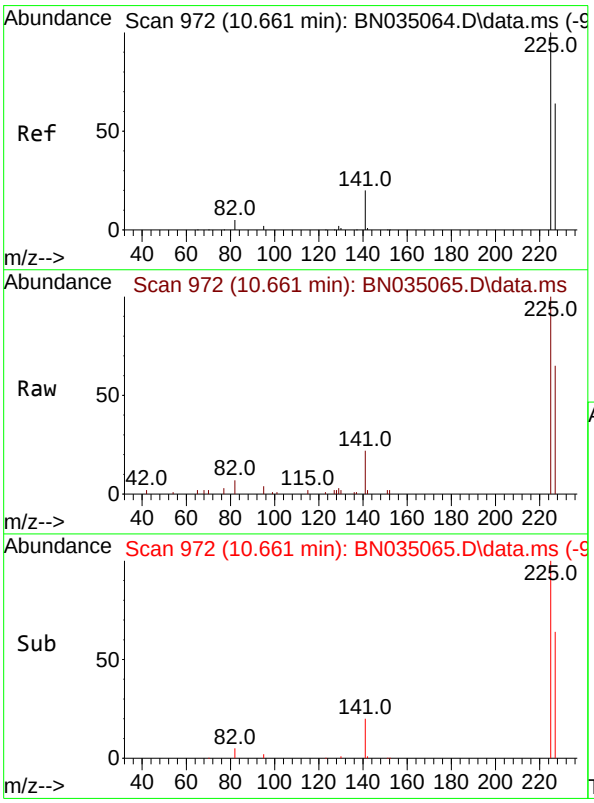
#9
Naphthalene
Concen: 0.855 ng
RT: 10.362 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 19223

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.6	14.4
127	13.8	11.6	17.4

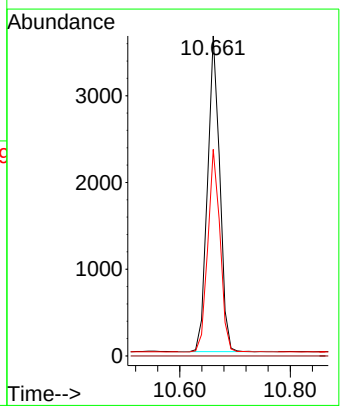


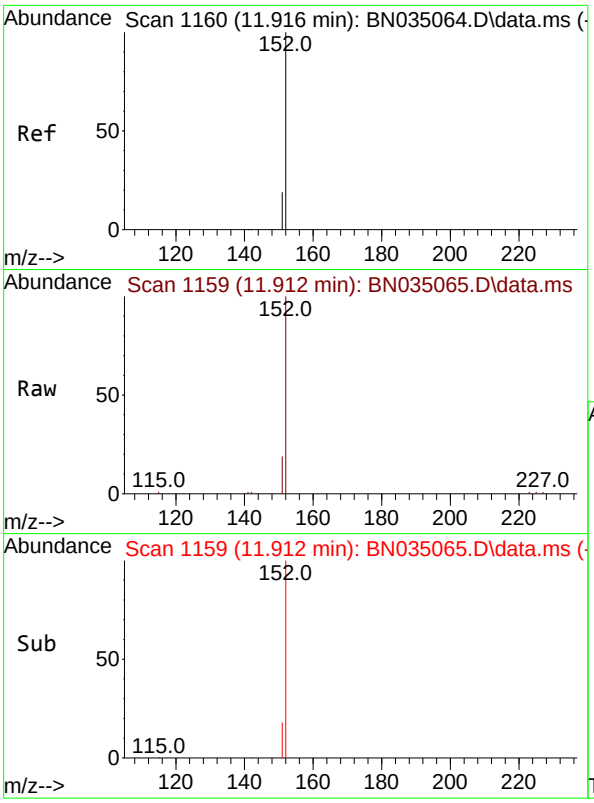


#10
Hexachlorobutadiene
Concen: 0.851 ng
RT: 10.661 min Scan# 972
Delta R.T. 0.000 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Tgt Ion:225 Resp: 5612

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.5	51.5	77.3



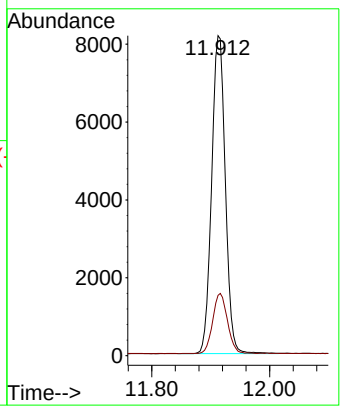


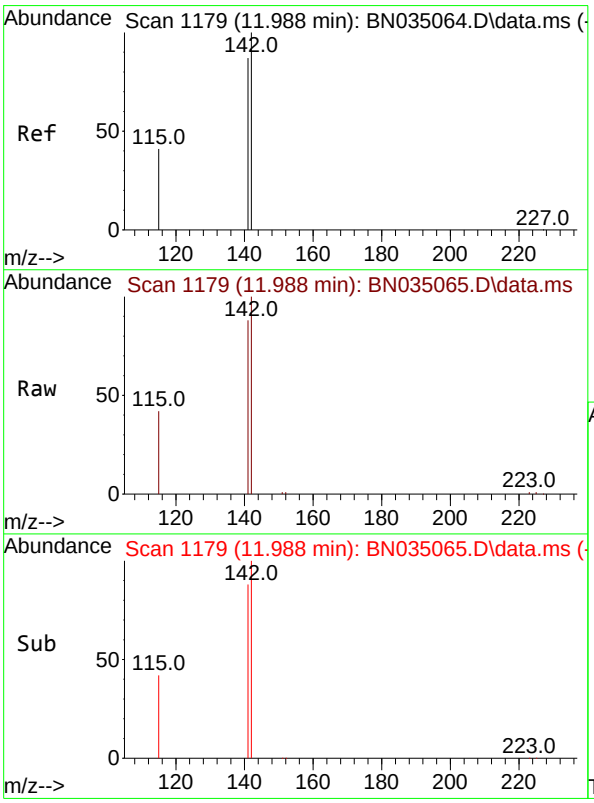
#11
2-Methylnaphthalene-d10
Concen: 0.855 ng
RT: 11.912 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 13119

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4

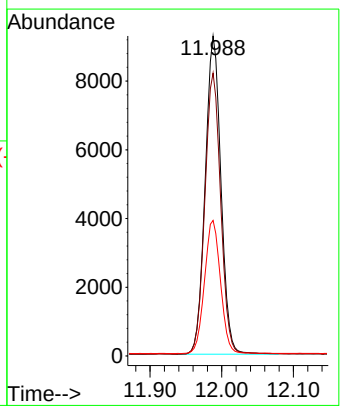


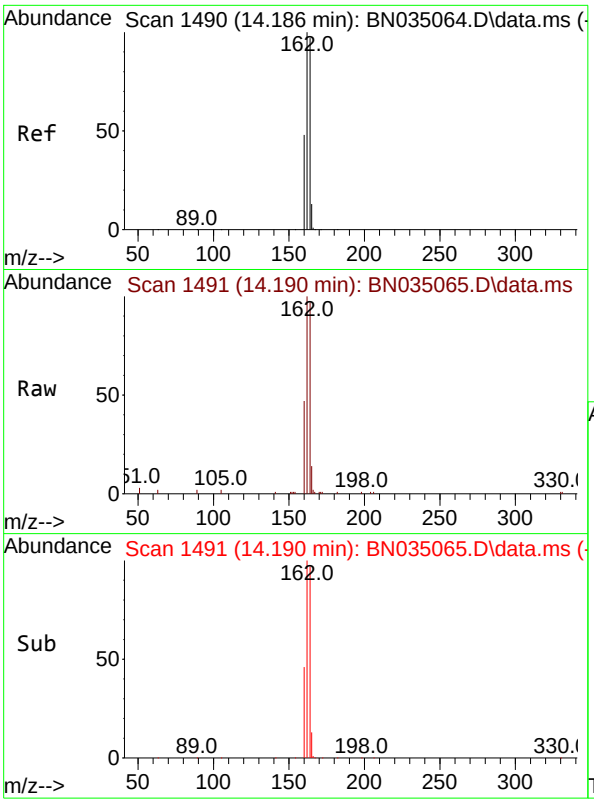


#12
2-Methylnaphthalene
Concen: 0.855 ng
RT: 11.988 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Tgt Ion:142 Resp: 14179

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.1	105.1
115	42.4	34.4	51.6



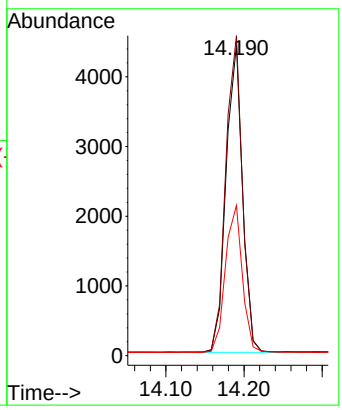


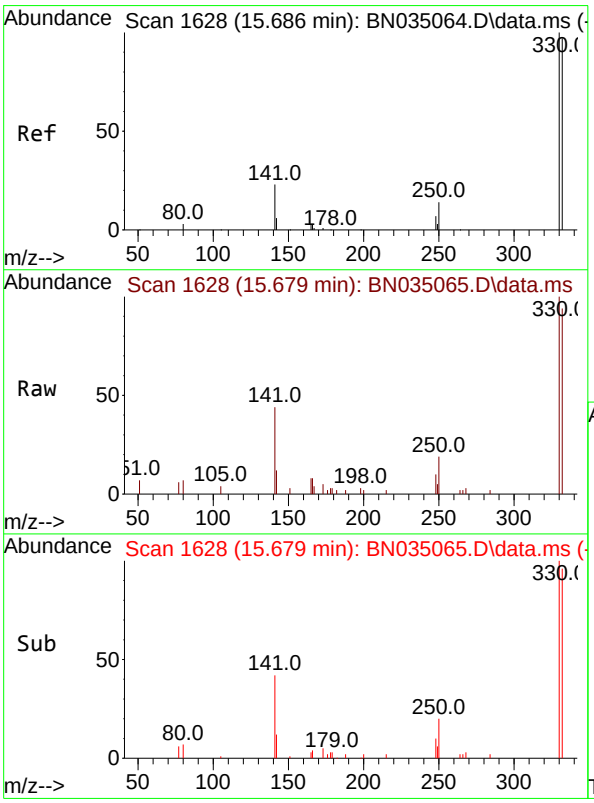
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.190 min Scan# 14
Delta R.T. 0.004 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:164 Resp: 6454

Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.2	123.2
160	48.3	40.2	60.4

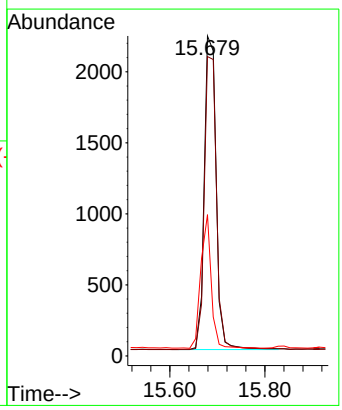


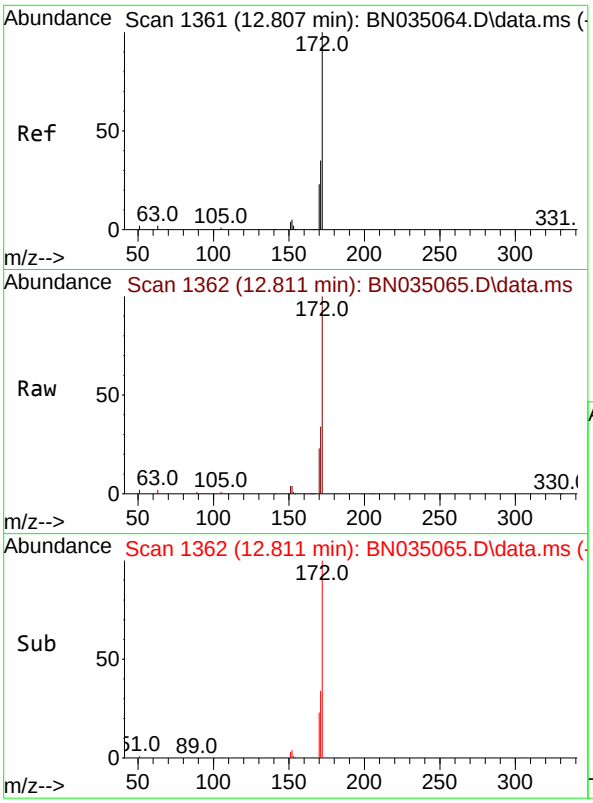


#14
2,4,6-Tribromophenol
Concen: 0.831 ng
RT: 15.679 min Scan# 1628
Delta R.T. -0.007 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Tgt Ion:330 Resp: 3866

Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.9	115.3
141	36.9	29.6	44.4



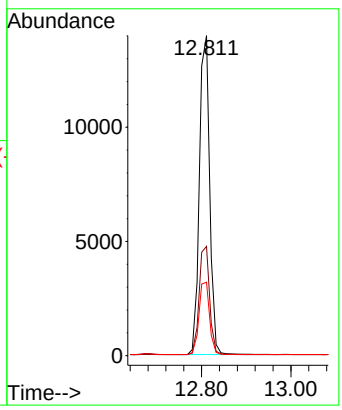


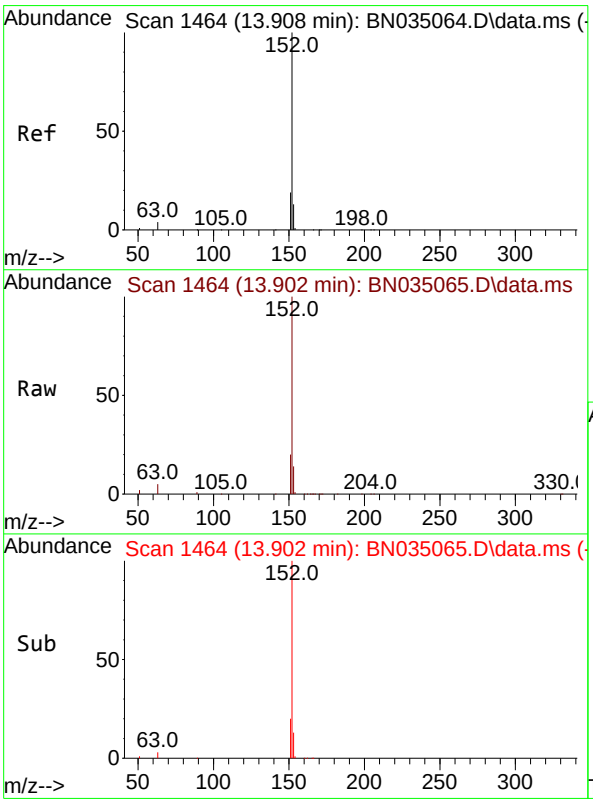
#15
2-Fluorobiphenyl
Concen: 0.855 ng
RT: 12.811 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:172 Resp: 22399

Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.2	42.4
170	22.9	19.0	28.6

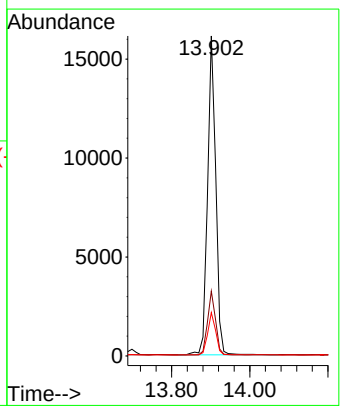


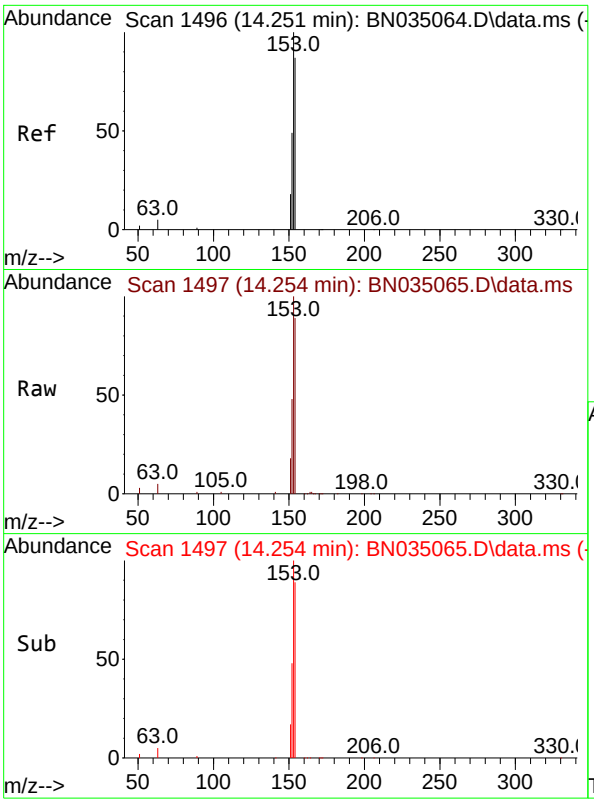


#16
Acenaphthylene
Concen: 0.853 ng
RT: 13.902 min Scan# 1464
Delta R.T. -0.007 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Tgt Ion:152 Resp: 23520

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.1	10.2	15.4



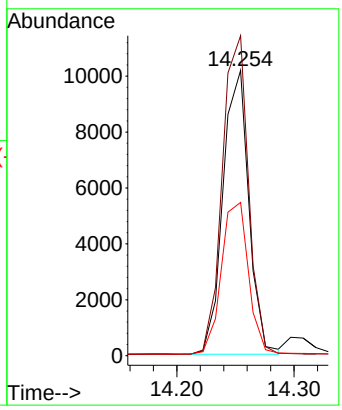


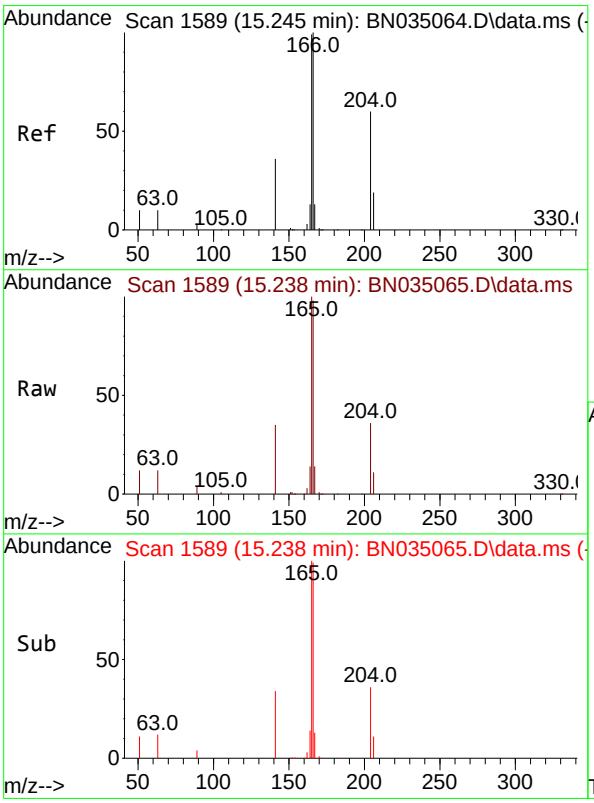
#17
Acenaphthene
Concen: 0.858 ng
RT: 14.254 min Scan# 14
Delta R.T. 0.004 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:154 Resp: 15511

Ion	Ratio	Lower	Upper
154	100		
153	114.0	91.6	137.4
152	56.6	45.8	68.6

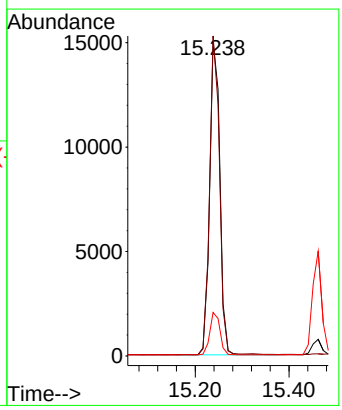


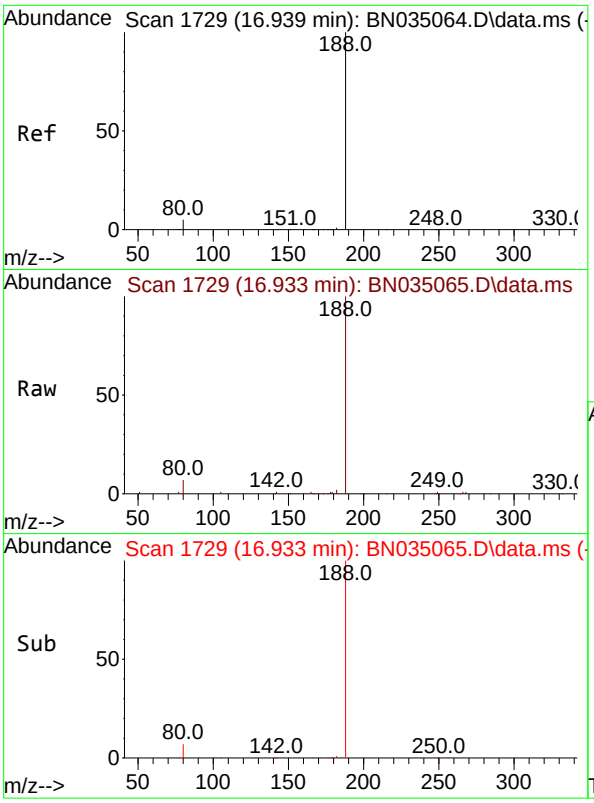


#18
Fluorene
Concen: 0.852 ng
RT: 15.238 min Scan# 1589
Delta R.T. -0.007 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Tgt Ion:166 Resp: 22649

Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.1	118.7
167	13.6	10.6	16.0



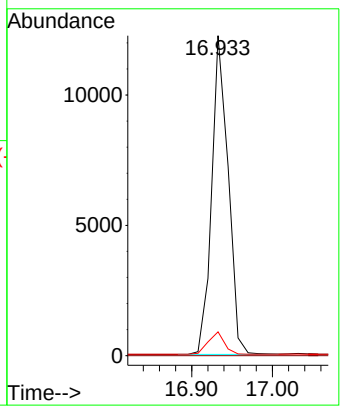


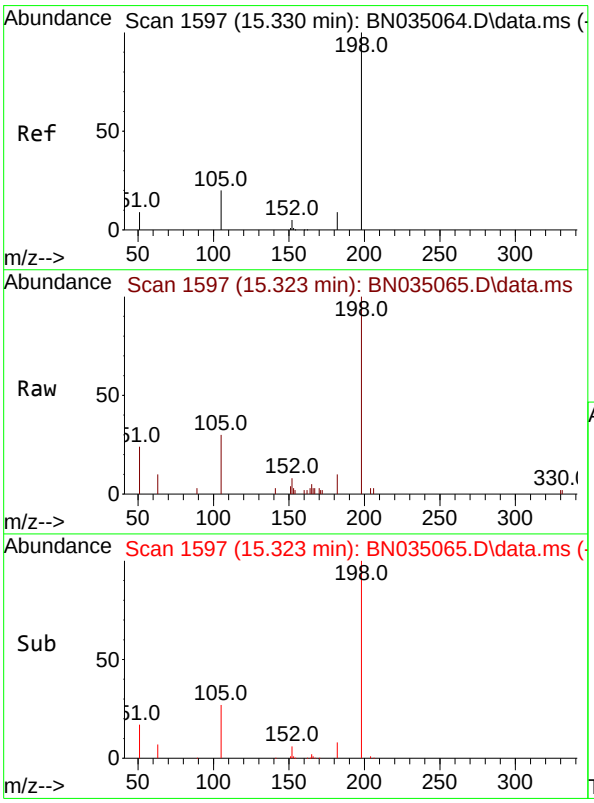
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.933 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:188 Resp: 17302

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.5	4.3	6.5#

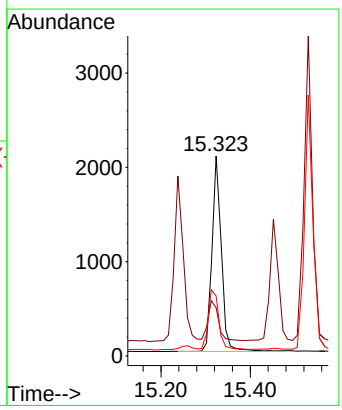


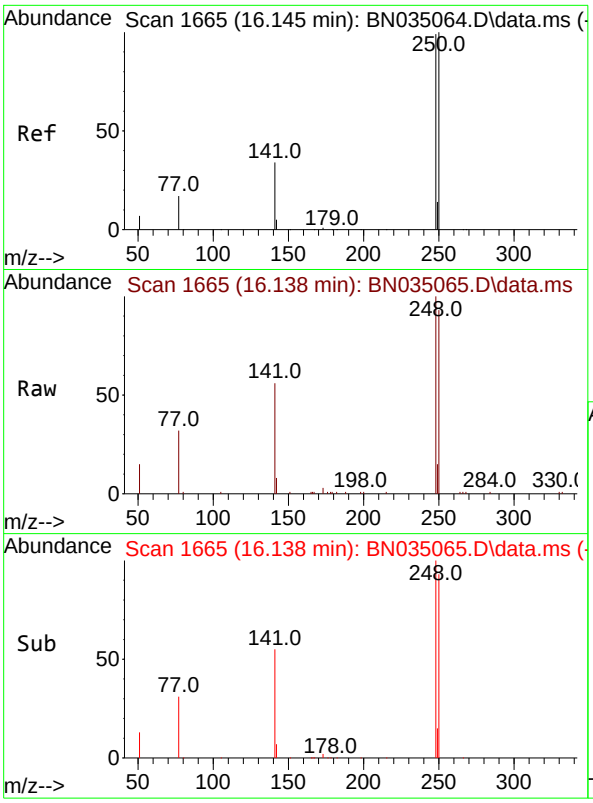


#20
4,6-Dinitro-2-methylphenol
Concen: 0.837 ng
RT: 15.323 min Scan# 1597
Delta R.T. -0.007 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Tgt Ion:198 Resp: 3013

Ion	Ratio	Lower	Upper
198	100		
51	24.1	29.9	44.9#
105	30.0	23.7	35.5



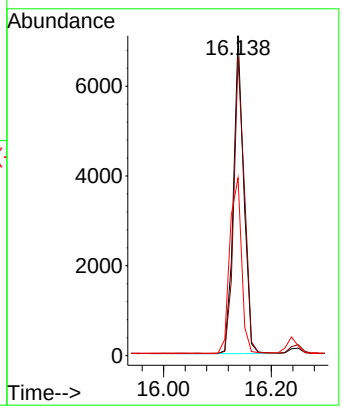


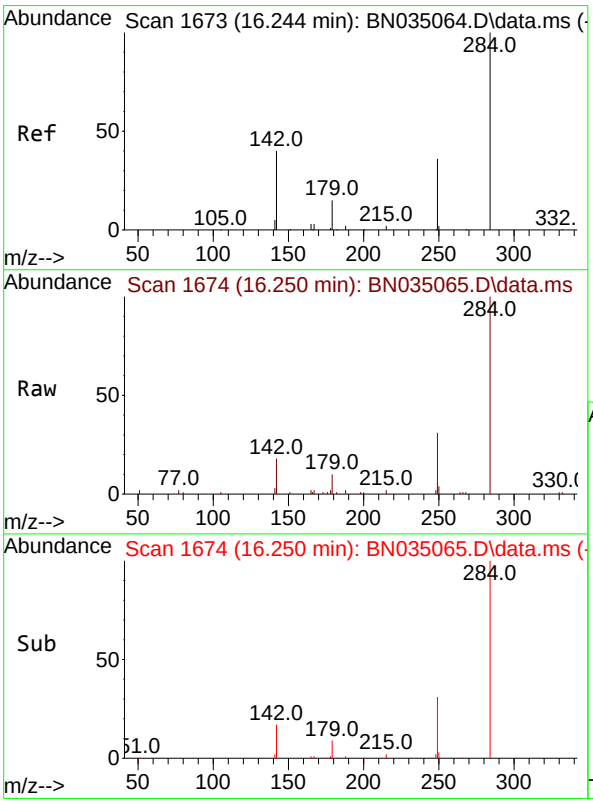
#21
4-Bromophenyl-phenylether
Concen: 0.853 ng
RT: 16.138 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:248 Resp: 9403

Ion	Ratio	Lower	Upper
248	100		
250	93.3	81.2	121.8
141	55.6	29.1	43.7#

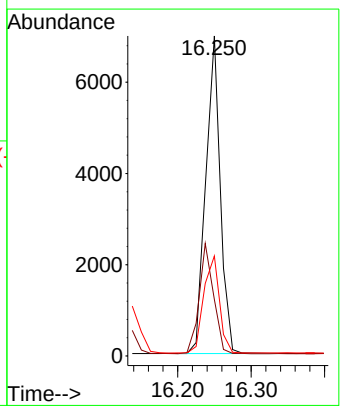


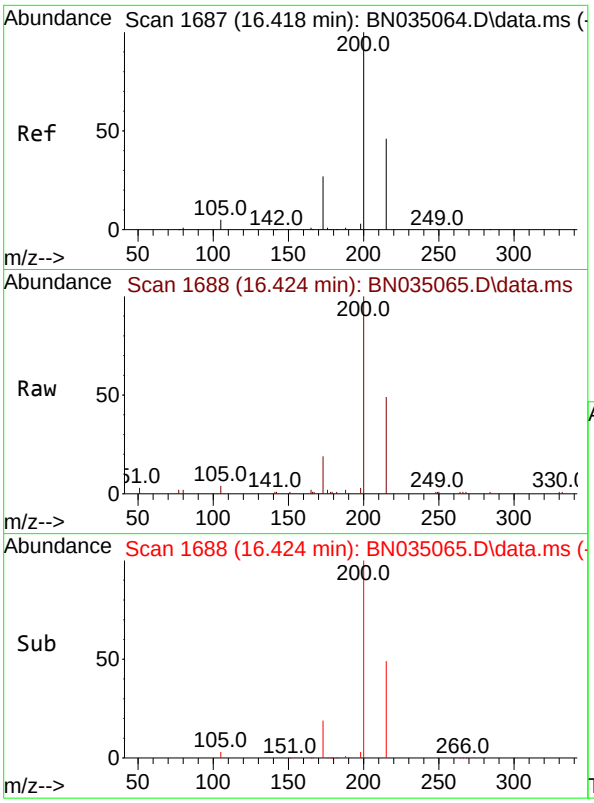


#22
Hexachlorobenzene
Concen: 0.837 ng
RT: 16.250 min Scan# 1674
Delta R.T. 0.006 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Tgt Ion:284 Resp: 9574

Ion	Ratio	Lower	Upper
284	100		
142	34.4	28.2	42.4
249	32.9	26.2	39.2



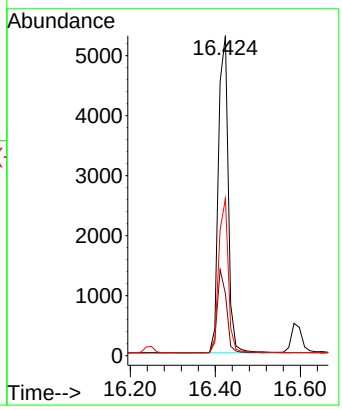


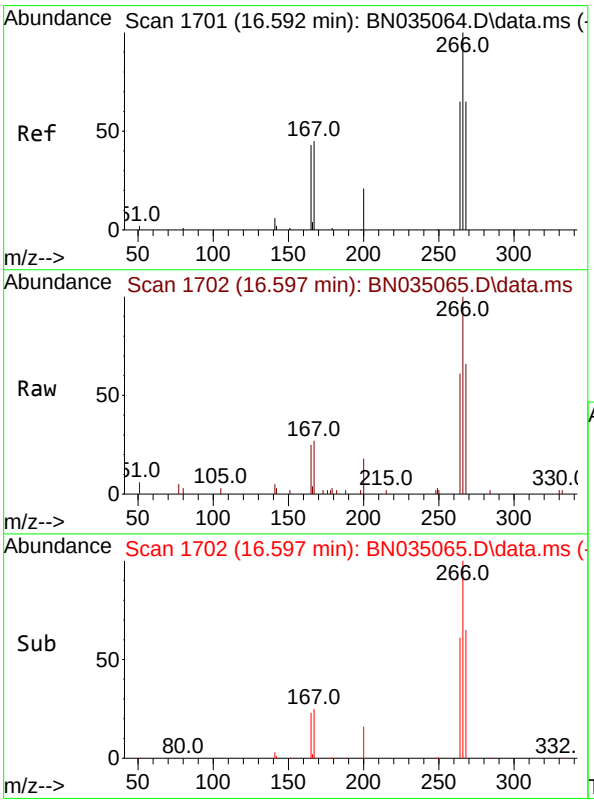
#23
Atrazine
Concen: 0.852 ng
RT: 16.424 min Scan# 1
Delta R.T. 0.006 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:200 Resp: 8427

Ion	Ratio	Lower	Upper
200	100		
173	19.4	22.6	33.8#
215	49.1	37.8	56.6

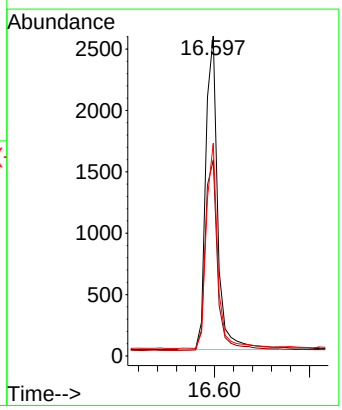


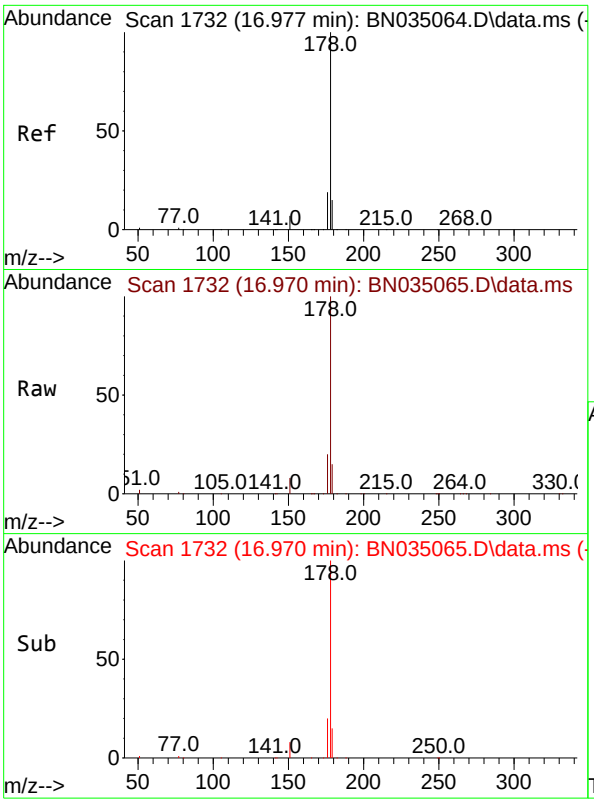


#24
Pentachlorophenol
Concen: 0.841 ng
RT: 16.597 min Scan# 1702
Delta R.T. 0.006 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Tgt Ion:266 Resp: 4494

Ion	Ratio	Lower	Upper
266	100		
264	62.3	49.4	74.0
268	63.1	52.6	79.0



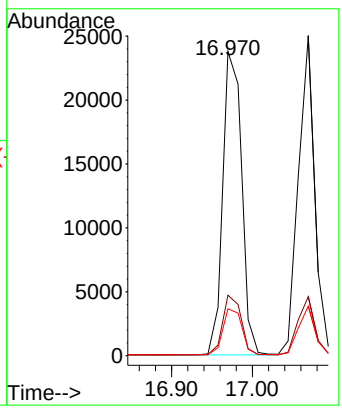


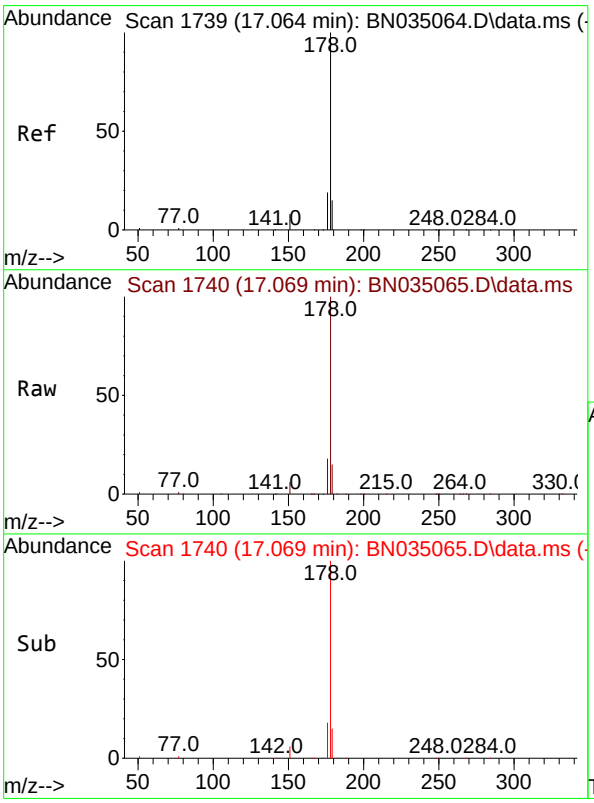
#25
Phenanthrene
Concen: 0.847 ng
RT: 16.970 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:178 Resp: 38573

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.2	22.8
179	15.3	12.6	18.8

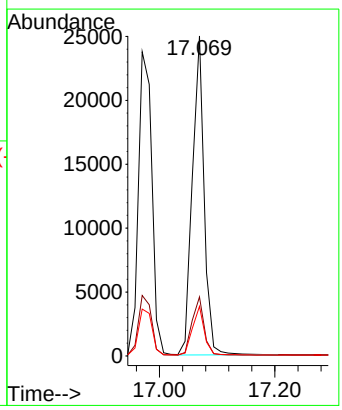


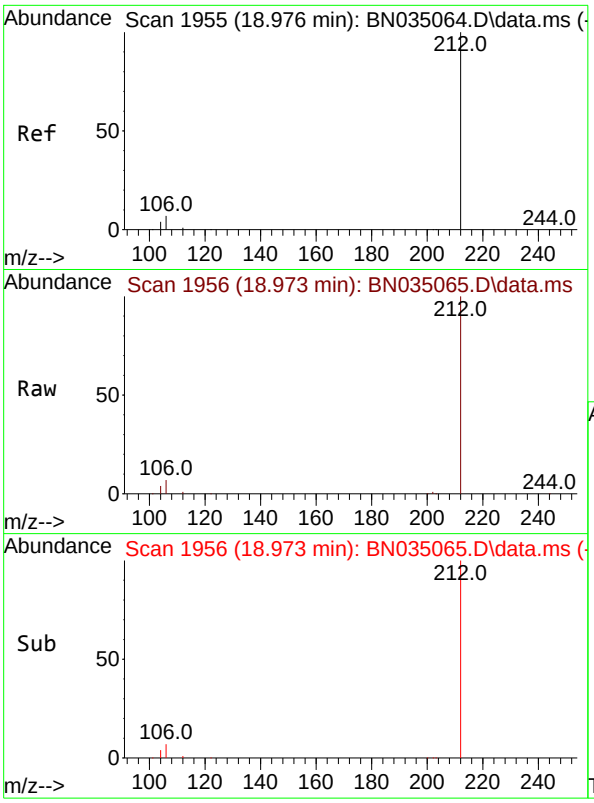


#26
Anthracene
Concen: 0.847 ng
RT: 17.069 min Scan# 1740
Delta R.T. 0.006 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Tgt Ion:178 Resp: 35437

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.2	12.2	18.2



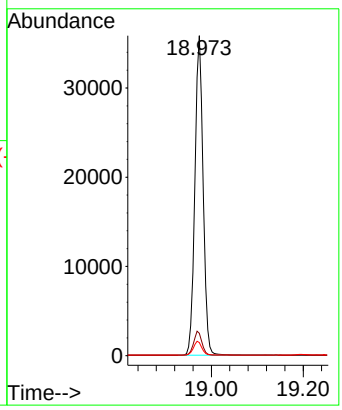


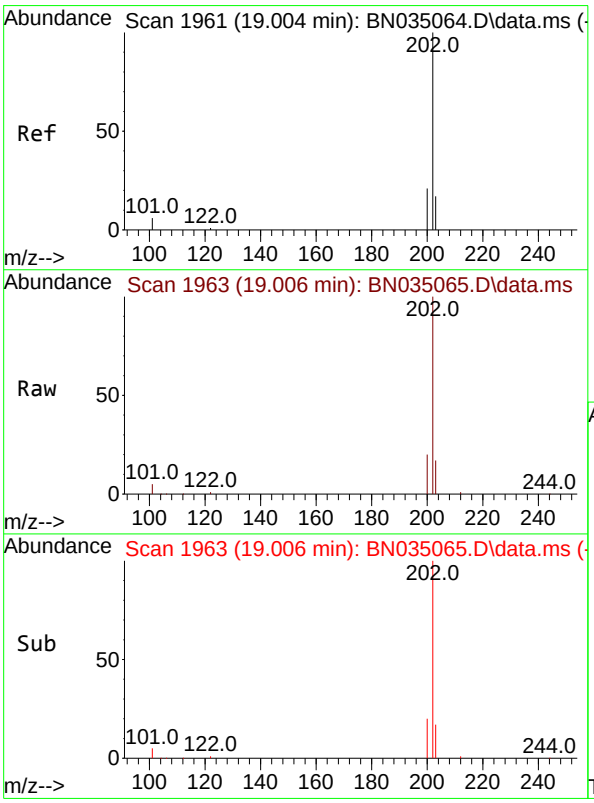
#27
Fluoranthene-d10
Concen: 0.841 ng
RT: 18.973 min Scan# 1
Delta R.T. -0.002 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:212 Resp: 44583

Ion	Ratio	Lower	Upper
212	100		
106	7.5	6.0	9.0
104	4.4	3.5	5.3

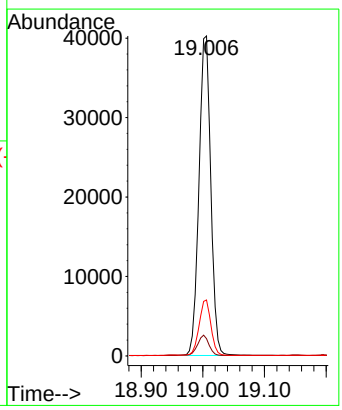


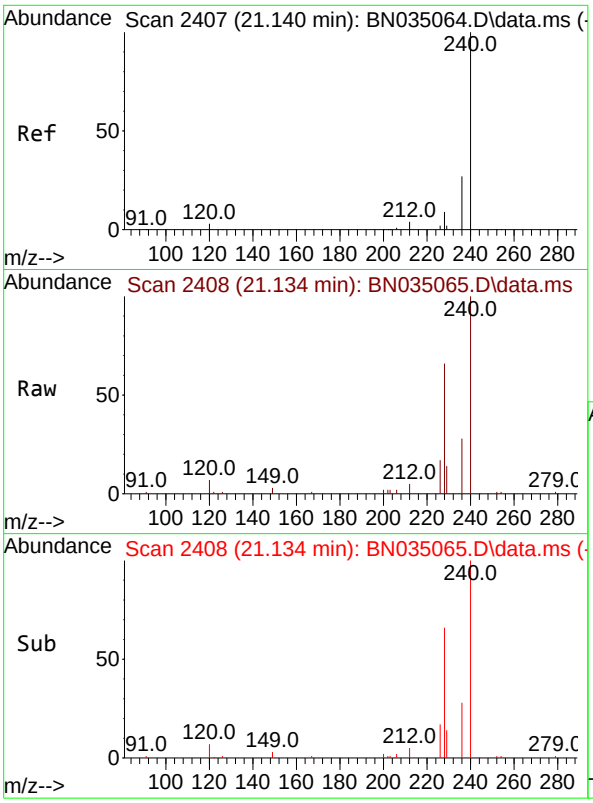


#28
Fluoranthene
Concen: 0.853 ng
RT: 19.006 min Scan# 1963
Delta R.T. 0.002 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Tgt Ion:202 Resp: 53391

Ion	Ratio	Lower	Upper
202	100		
101	6.3	5.2	7.8
203	17.3	13.8	20.8



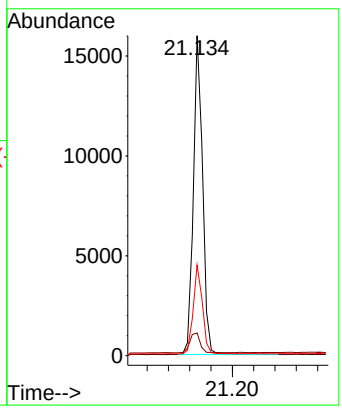


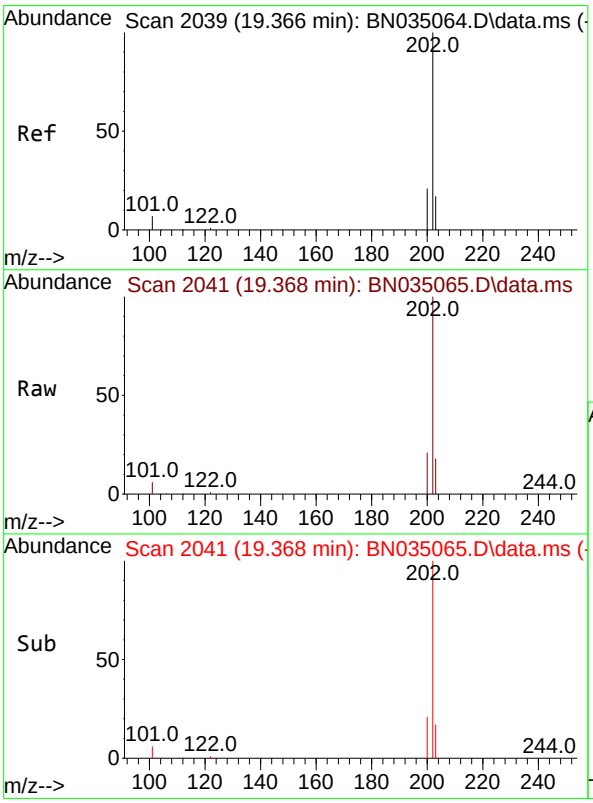
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.134 min Scan# 24
Delta R.T. -0.007 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:240 Resp: 19278

Ion	Ratio	Lower	Upper
240	100		
120	7.1	3.8	5.6#
236	28.4	22.2	33.2

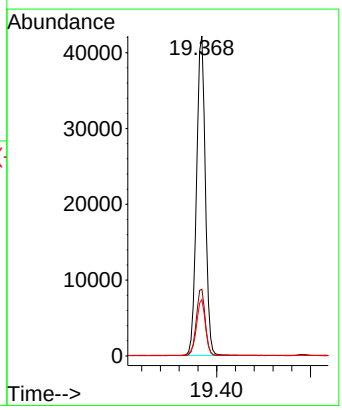


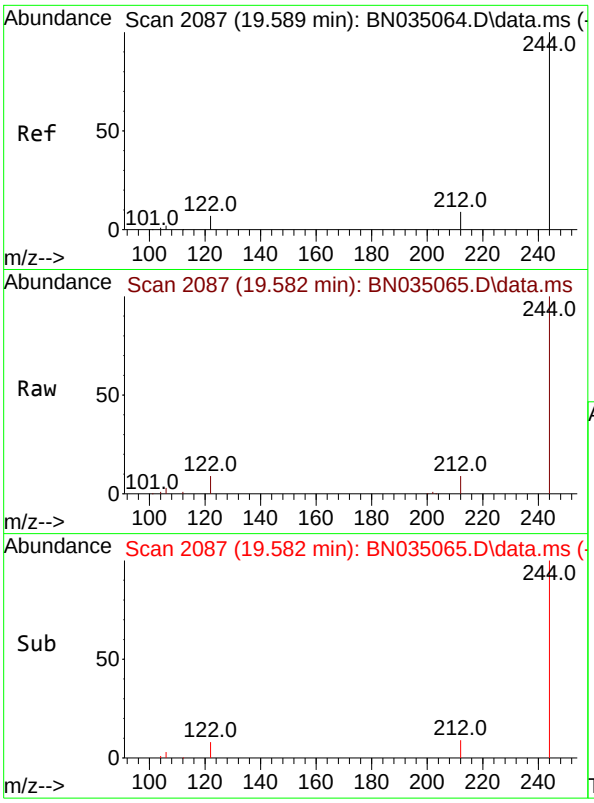


#30
Pyrene
Concen: 0.855 ng
RT: 19.368 min Scan# 2041
Delta R.T. 0.002 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Tgt Ion:202 Resp: 54892

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.8	14.2	21.4



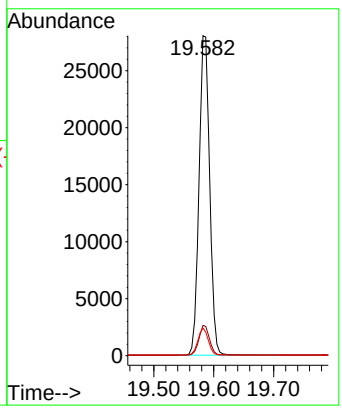


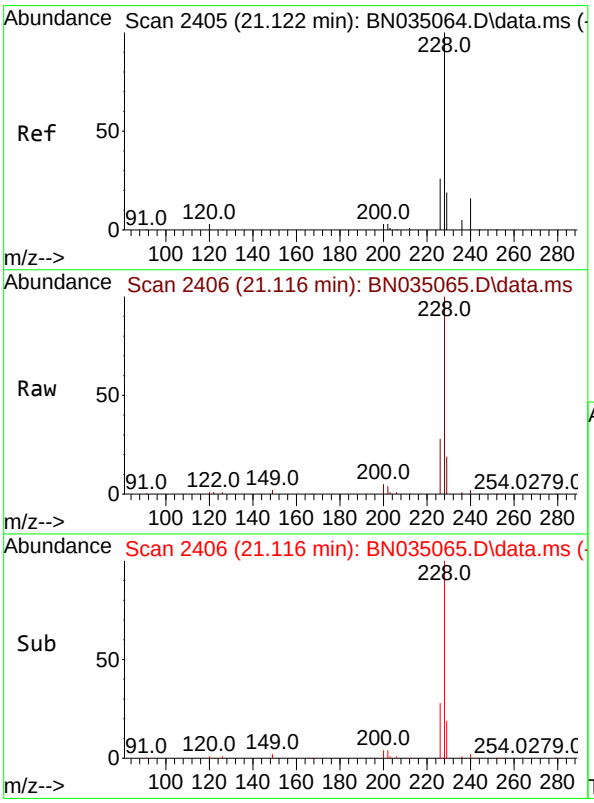
#31
Terphenyl-d14
Concen: 0.852 ng
RT: 19.582 min Scan# 2
Delta R.T. -0.007 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:244 Resp: 34460

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.6	11.4
122	8.6	6.1	9.1

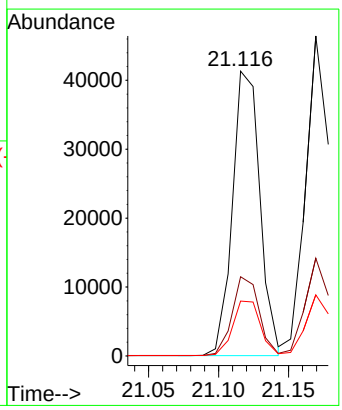


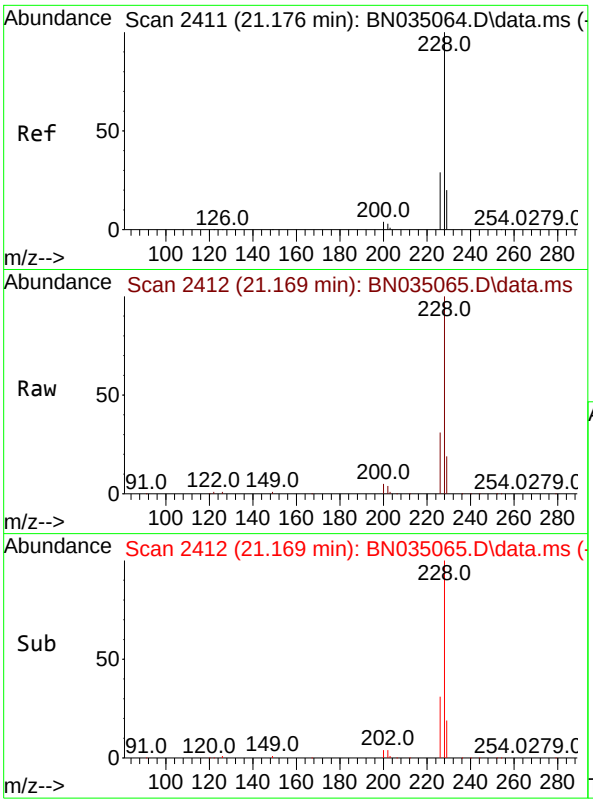


#32
Benzo(a)anthracene
Concen: 0.841 ng
RT: 21.116 min Scan# 2406
Delta R.T. -0.007 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Tgt Ion:228 Resp: 56460

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.4	32.0
229	19.3	15.7	23.5



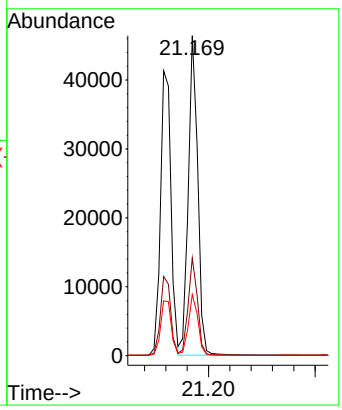


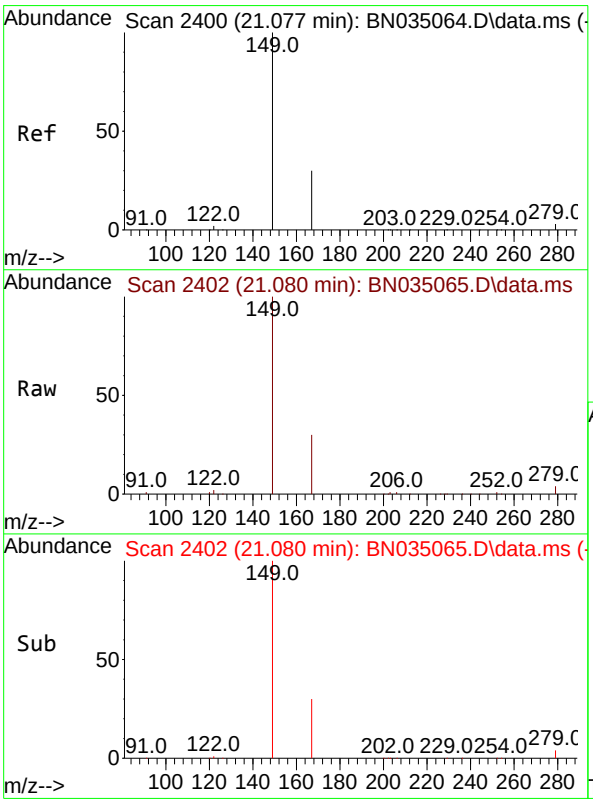
#33
Chrysene
Concen: 0.858 ng
RT: 21.169 min Scan# 24
Delta R.T. -0.007 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:228 Resp: 57039

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.7	35.5
229	19.1	16.2	24.4

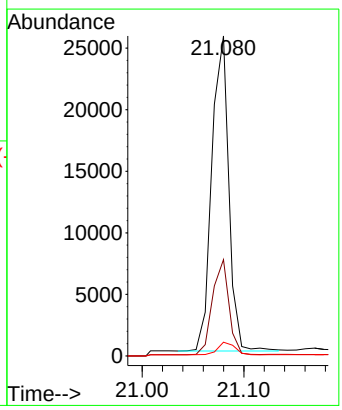


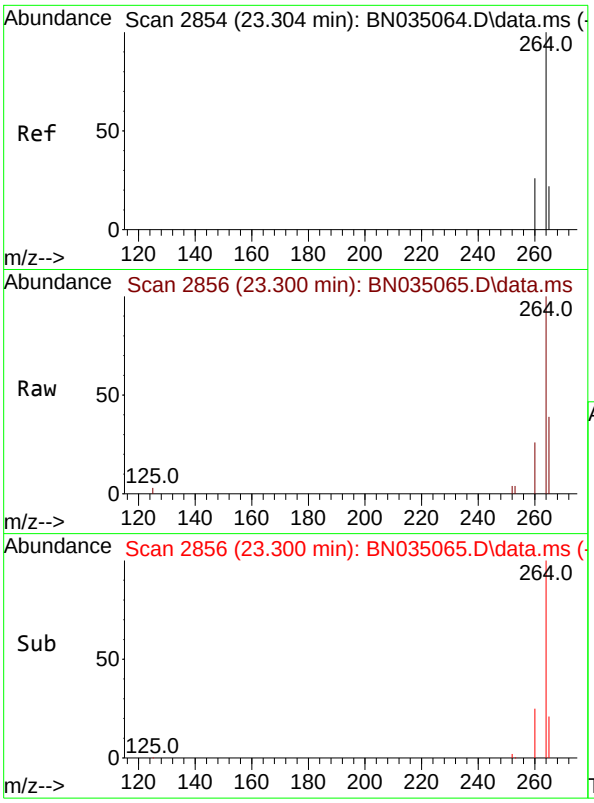


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.848 ng
RT: 21.080 min Scan# 2402
Delta R.T. 0.002 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Tgt Ion:149 Resp: 29628

Ion	Ratio	Lower	Upper
149	100		
167	29.1	23.2	34.8
279	4.0	3.2	4.8



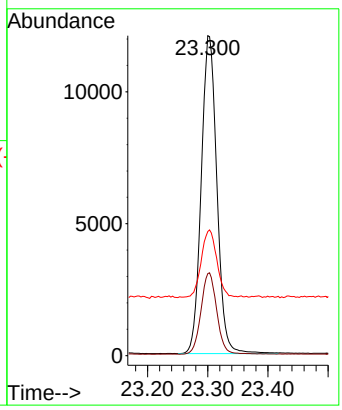


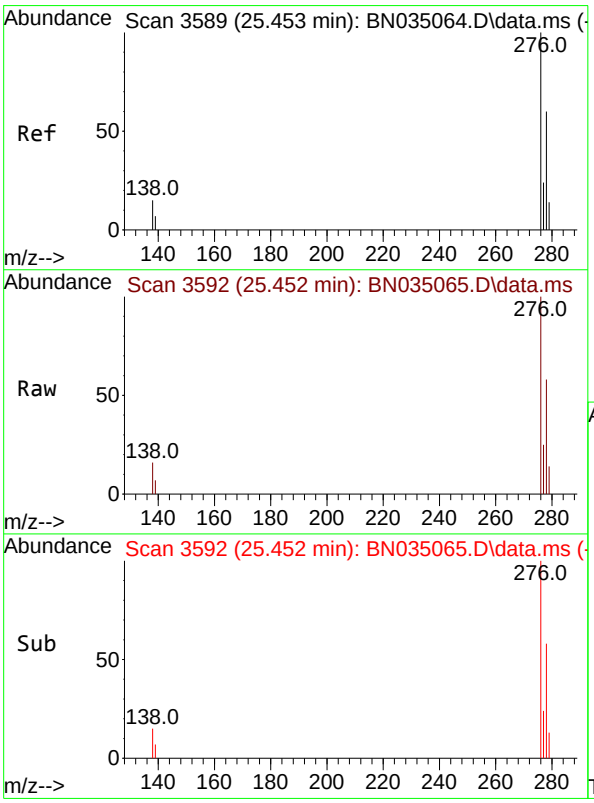
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.300 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:264 Resp: 21751

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.9	31.3
265	38.8	35.4	53.2

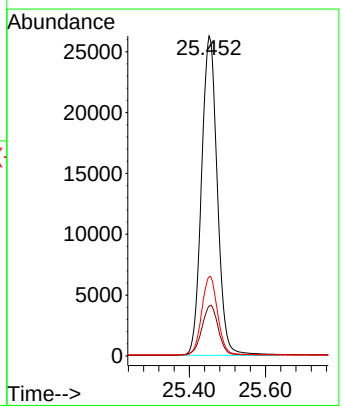


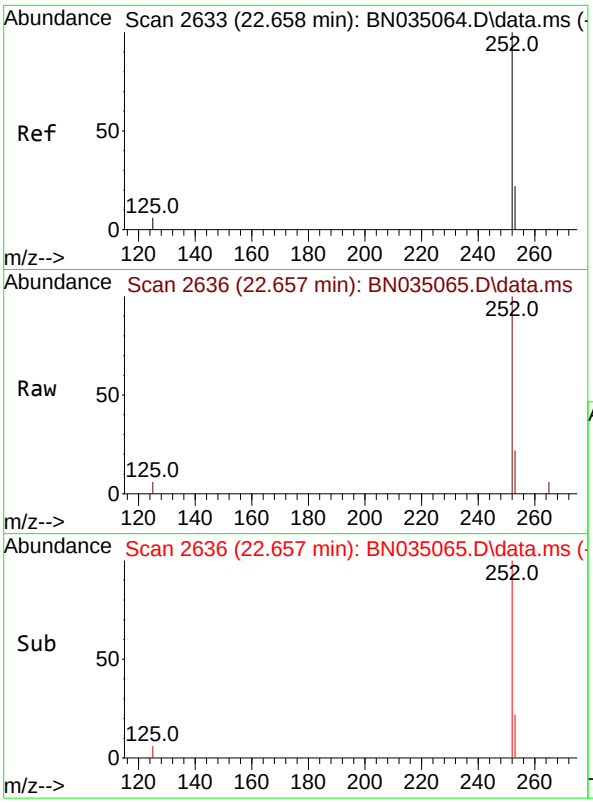


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.867 ng
RT: 25.452 min Scan# 3592
Delta R.T. -0.001 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Tgt Ion:276 Resp: 75270

Ion	Ratio	Lower	Upper
276	100		
138	16.2	13.0	19.4
277	24.7	19.8	29.6



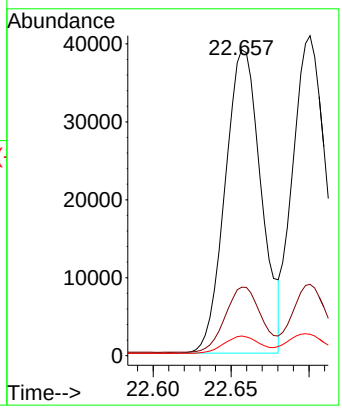


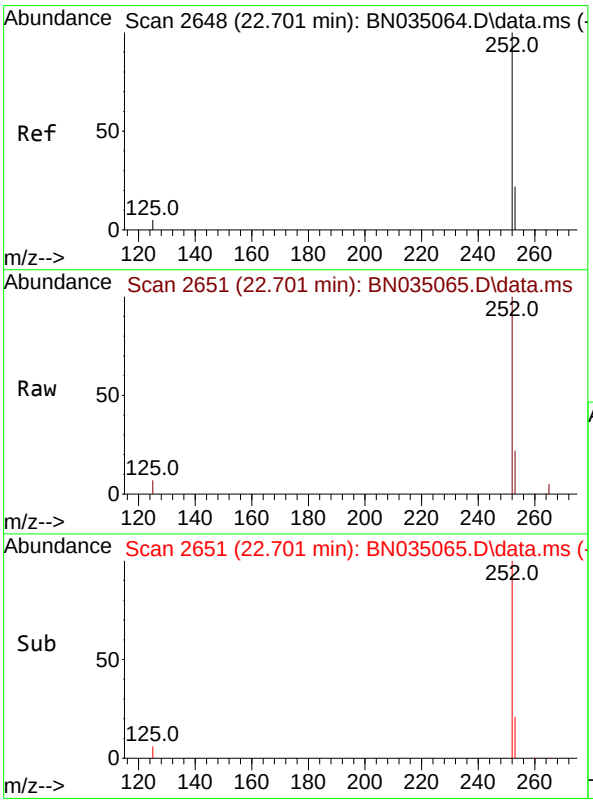
#37
Benzo(b)fluoranthene
Concen: 0.855 ng
RT: 22.657 min Scan# 2
Delta R.T. -0.001 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 62606

Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.3	28.9
125	6.5	6.2	9.2

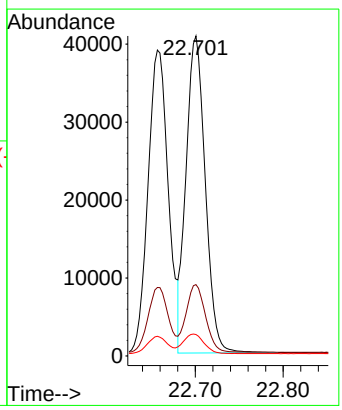


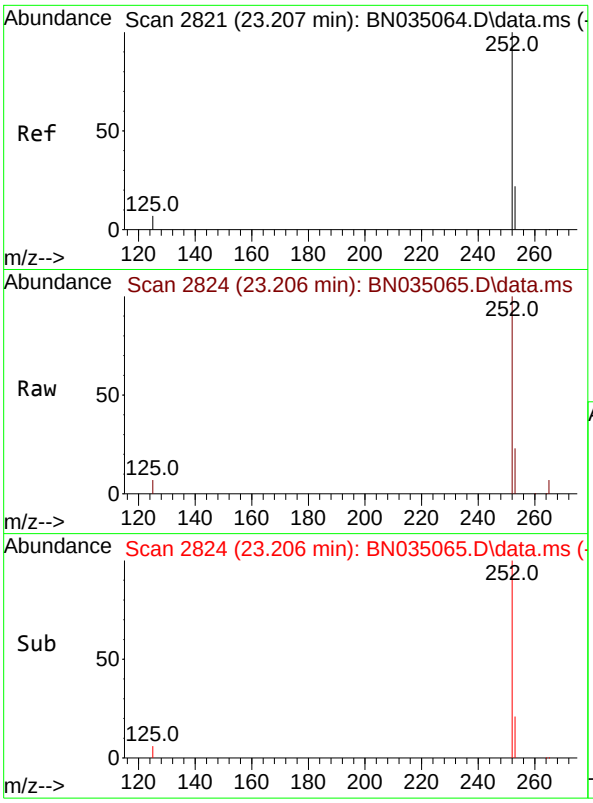


#38
Benzo(k)fluoranthene
Concen: 0.843 ng
RT: 22.701 min Scan# 2651
Delta R.T. -0.001 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Tgt Ion:252 Resp: 61702

Ion	Ratio	Lower	Upper
252	100		
253	22.3	19.5	29.3
125	6.7	6.5	9.7



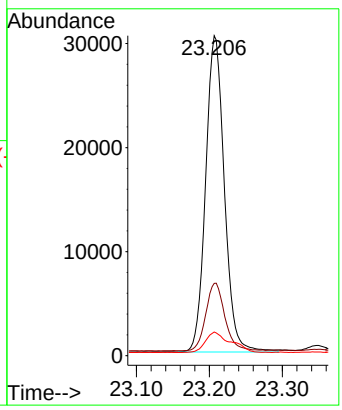


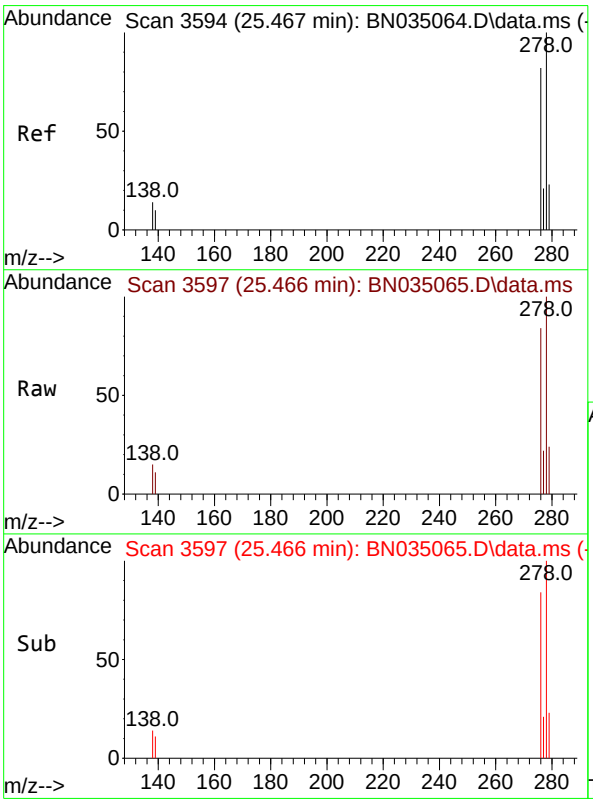
#39
Benzo(a)pyrene
Concen: 0.842 ng
RT: 23.206 min Scan# 2
Delta R.T. -0.001 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 54251

Ion	Ratio	Lower	Upper
252	100		
253	22.6	20.1	30.1
125	7.4	7.5	11.3#

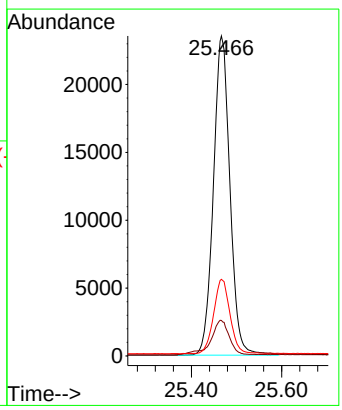


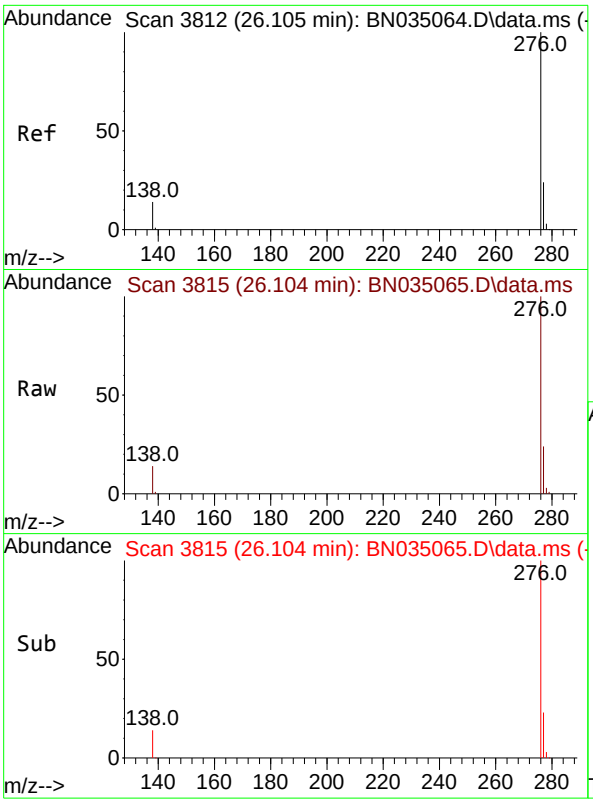


#40
Dibenzo(a,h)anthracene
Concen: 0.870 ng
RT: 25.466 min Scan# 3597
Delta R.T. -0.001 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Tgt Ion:278 Resp: 59829

Ion	Ratio	Lower	Upper
278	100		
139	11.1	9.3	13.9
279	24.0	19.7	29.5



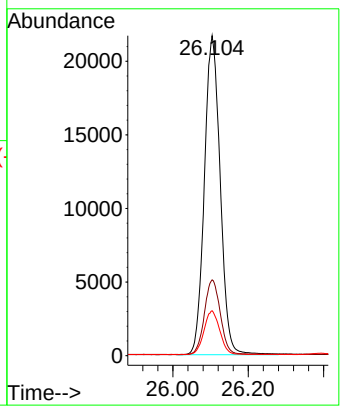


#41
Benzo(g,h,i)perylene
Concen: 0.864 ng
RT: 26.104 min Scan# 3
Delta R.T. -0.001 min
Lab File: BN035065.D
Acq: 13 Nov 2024 14:28

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 63167

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.9	29.9
138	14.0	11.6	17.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035066.D
Acq On : 13 Nov 2024 15:04
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 13 16:44:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 16:42:01 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.553	152	2280	0.400	ng		0.00
7) Naphthalene-d8	10.319	136	5826	0.400	ng		0.00
13) Acenaphthene-d10	14.190	164	4517	0.400	ng		0.00
19) Phenanthrene-d10	16.932	188	12068	0.400	ng	#	0.00
29) Chrysene-d12	21.133	240	13823	0.400	ng	#	0.00
35) Perylene-d12	23.303	264	15060	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	9427	1.629	ng		0.00
5) Phenol-d6	6.737	99	12023	1.657	ng		0.00
8) Nitrobenzene-d5	8.696	82	8306	1.643	ng		0.00
11) 2-Methylnaphthalene-d10	11.912	152	17545	1.690	ng		0.00
14) 2,4,6-Tribromophenol	15.691	330	5402	1.659	ng		0.00
15) 2-Fluorobiphenyl	12.811	172	30472	1.661	ng		0.00
27) Fluoranthene-d10	18.973	212	61972	1.676	ng		0.00
31) Terphenyl-d14	19.587	244	47914	1.652	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.169	88	3351	1.618	ng		98
3) n-Nitrosodimethylamine	3.465	42	3168	1.647	ng	#	97
6) bis(2-Chloroethyl)ether	6.990	93	9071	1.665	ng		99
9) Naphthalene	10.362	128	25283	1.662	ng		98
10) Hexachlorobutadiene	10.660	225	7338	1.646	ng	#	99
12) 2-Methylnaphthalene	11.988	142	18997	1.693	ng		99
16) Acenaphthylene	13.901	152	32064	1.661	ng		99
17) Acenaphthene	14.254	154	20910	1.653	ng		99
18) Fluorene	15.238	166	30868	1.659	ng		99
20) 4,6-Dinitro-2-methylph...	15.323	198	4259	1.695	ng	#	84
21) 4-Bromophenyl-phenylether	16.138	248	12888	1.676	ng	#	86
22) Hexachlorobenzene	16.250	284	13172	1.651	ng		99
23) Atrazine	16.424	200	11471	1.663	ng	#	93
24) Pentachlorophenol	16.597	266	6275	1.683	ng		98
25) Phenanthrene	16.982	178	52915	1.666	ng		99
26) Anthracene	17.069	178	49046	1.681	ng		100
28) Fluoranthene	19.006	202	73694	1.687	ng		100
30) Pyrene	19.368	202	75558	1.641	ng		100
32) Benzo(a)anthracene	21.125	228	78298	1.627	ng		100
33) Chrysene	21.169	228	78533	1.647	ng		98
34) Bis(2-ethylhexyl)phtha...	21.080	149	38807	1.549	ng		99
36) Indeno(1,2,3-cd)pyrene	25.452	276	99936	1.663	ng		100
37) Benzo(b)fluoranthene	22.660	252	85426m	1.686	ng		
38) Benzo(k)fluoranthene	22.701	252	84960	1.676	ng	#	95
39) Benzo(a)pyrene	23.209	252	74668	1.675	ng	#	94
40) Dibenzo(a,h)anthracene	25.469	278	79628	1.673	ng		98
41) Benzo(g,h,i)perylene	26.107	276	83498	1.649	ng		98

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

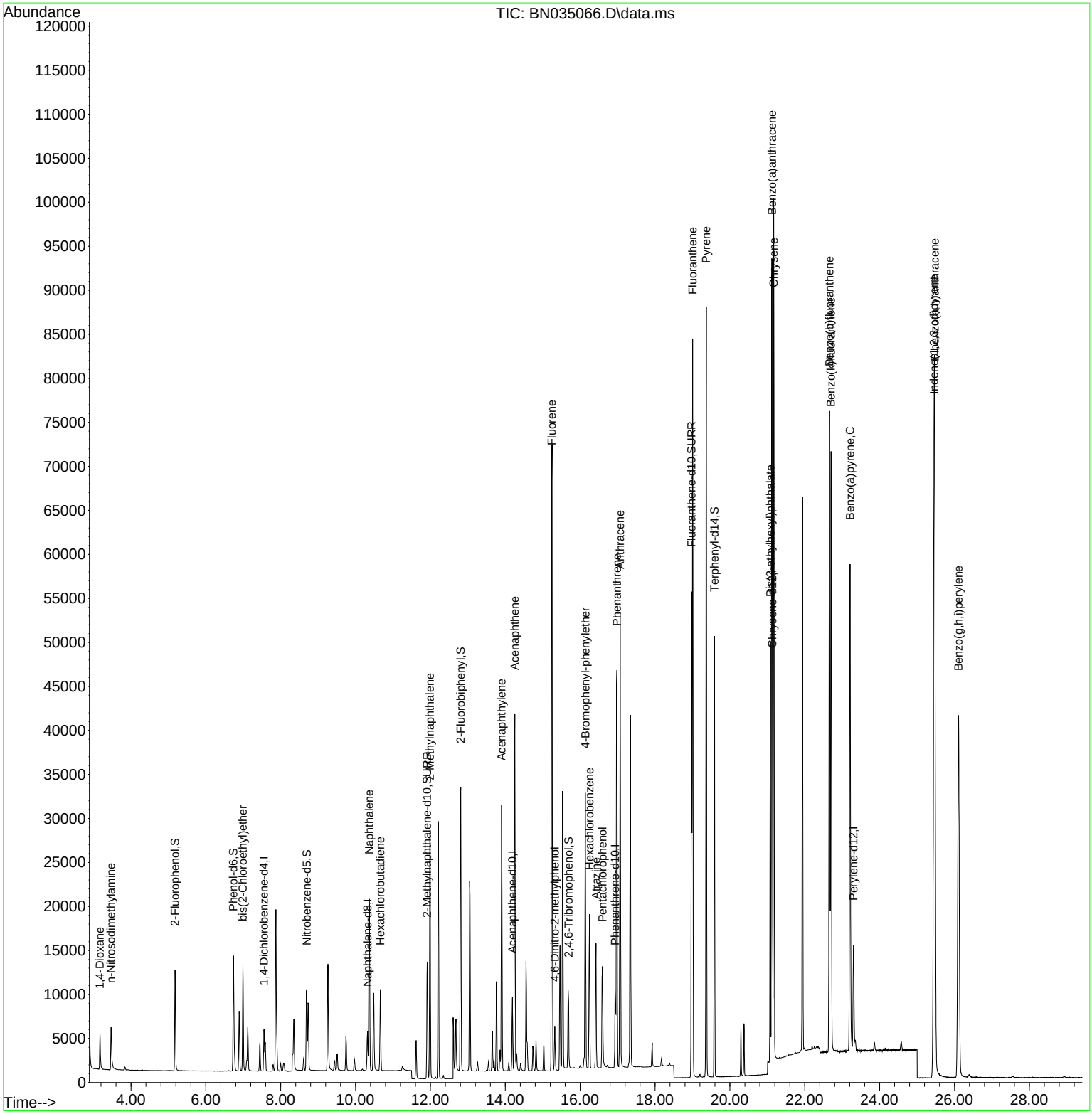
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035066.D
Acq On : 13 Nov 2024 15:04
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

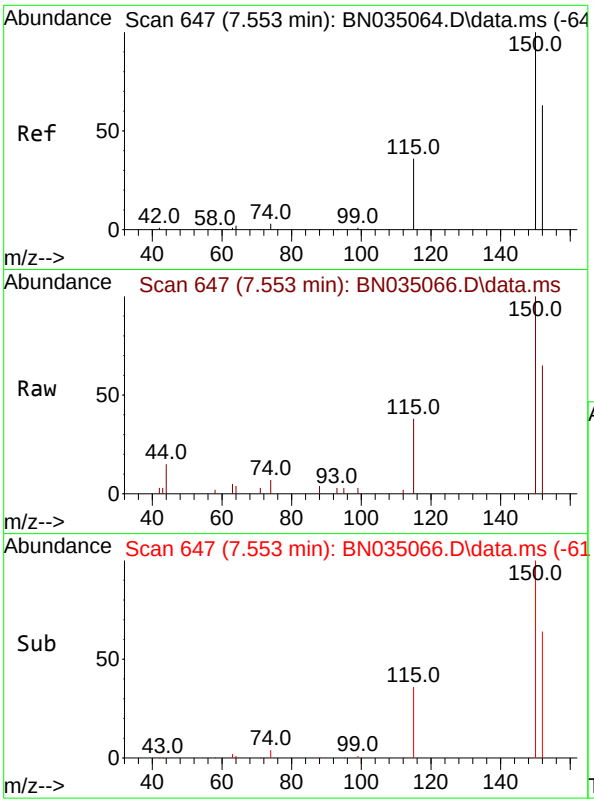
Quant Time: Nov 13 16:44:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 16:42:01 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

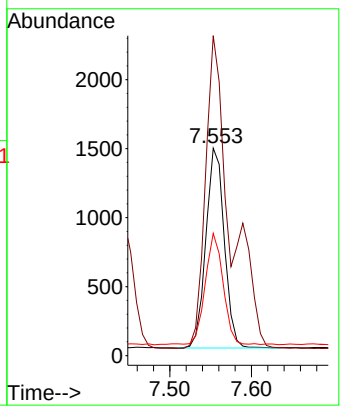




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.553 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:152 Resp: 228

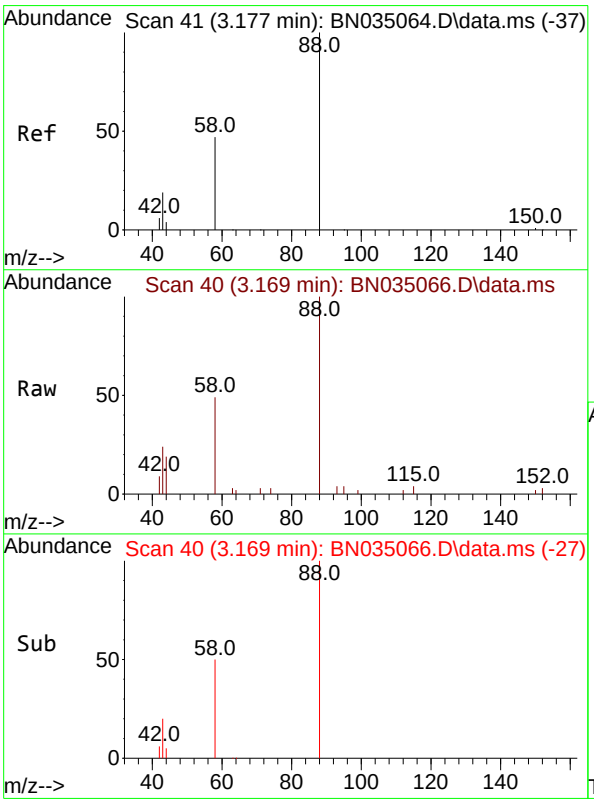
Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.5	186.7
115	58.9	47.8	71.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED

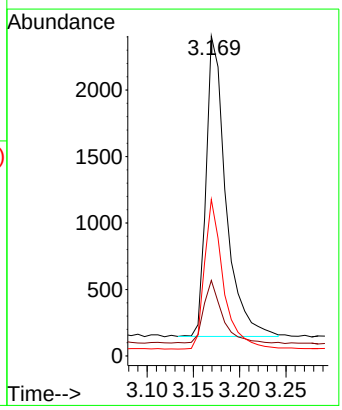
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

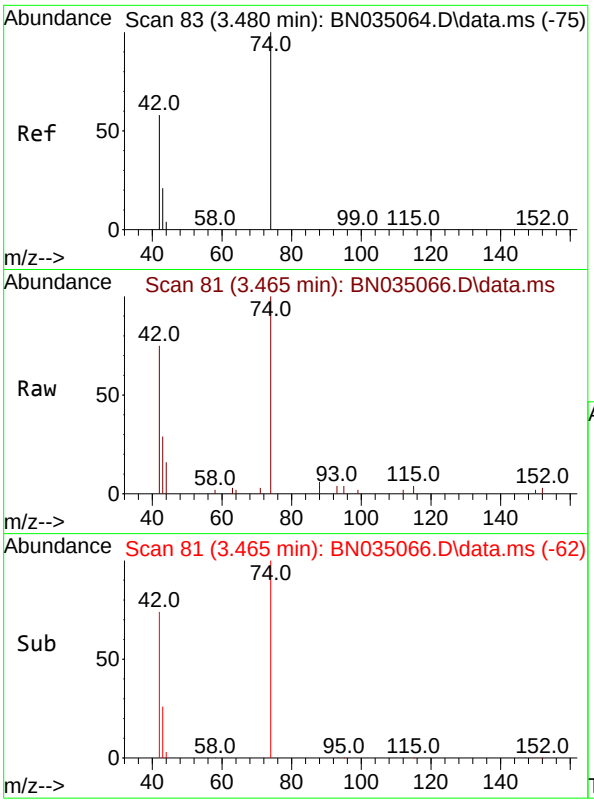


#2
1,4-Dioxane
Concen: 1.618 ng
RT: 3.169 min Scan# 40
Delta R.T. -0.007 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion: 88 Resp: 3351

Ion	Ratio	Lower	Upper
88	100		
43	20.3	16.9	25.3
58	47.7	39.0	58.4

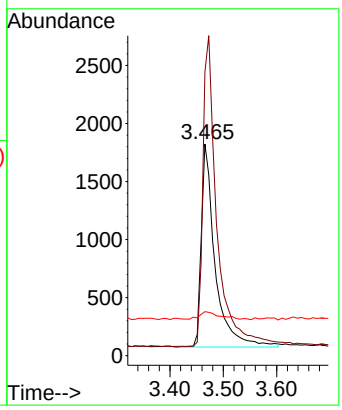




#3
n-Nitrosodimethylamine
Concen: 1.647 ng
RT: 3.465 min Scan# 8
Delta R.T. -0.015 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion: 42 Resp: 316

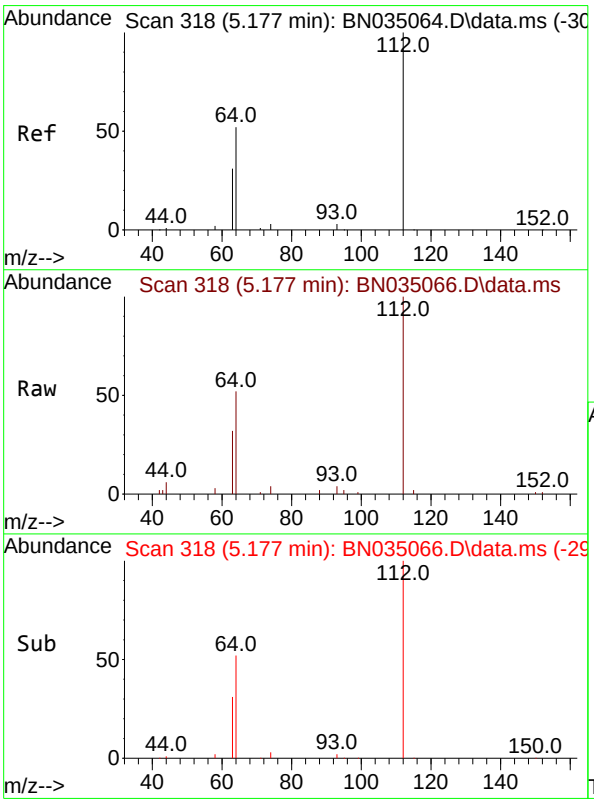
Ion	Ratio	Lower	Upper
42	100		
74	155.0	120.8	181.2
44	6.3	2.9	4.3



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED

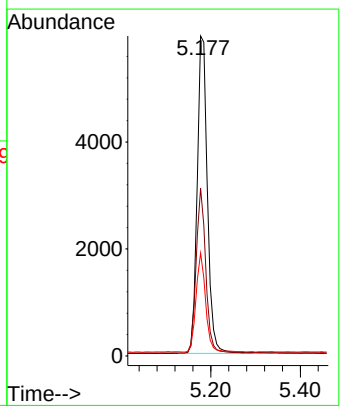
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

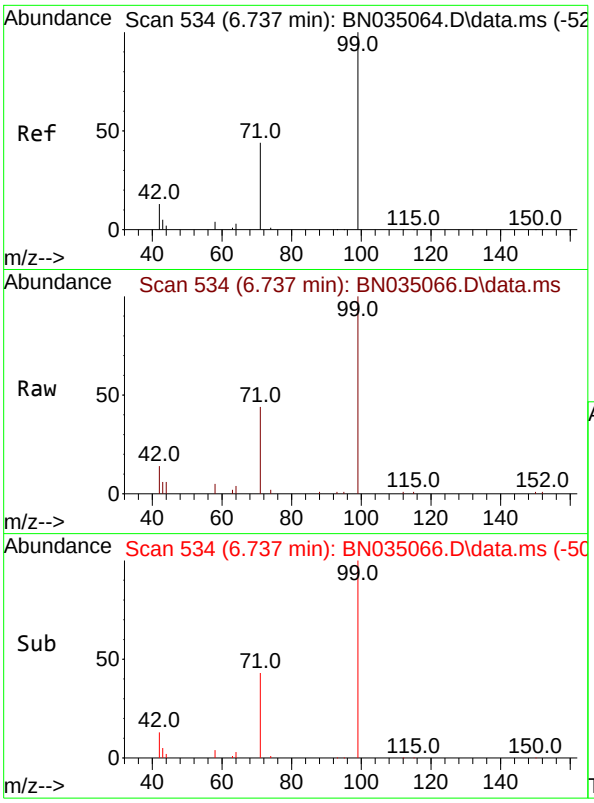


#4
2-Fluorophenol
Concen: 1.629 ng
RT: 5.177 min Scan# 318
Delta R.T. -0.000 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:112 Resp: 9427

Ion	Ratio	Lower	Upper
112	100		
64	48.8	39.7	59.5
63	29.4	23.0	34.4

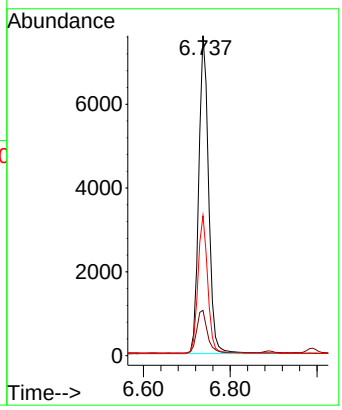




#5
Phenol-d6
Concen: 1.657 ng
RT: 6.737 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion: 99 Resp: 1202

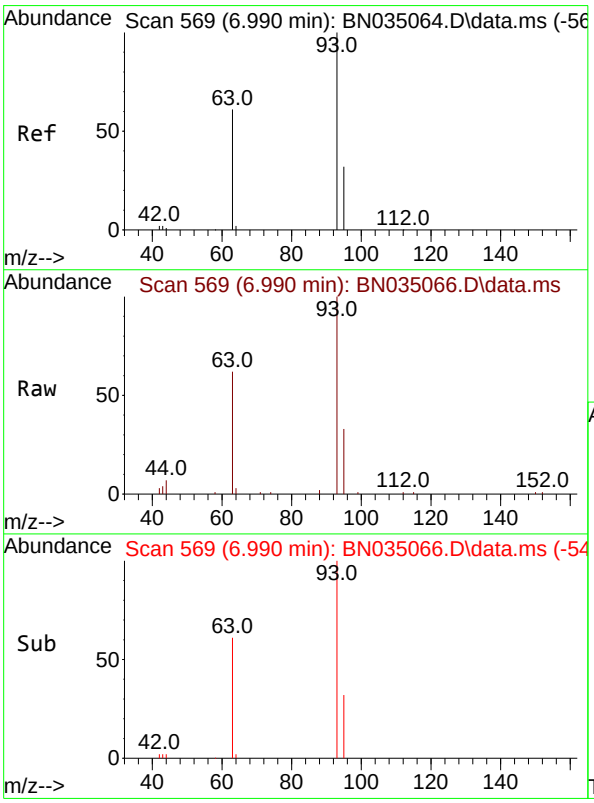
Ion	Ratio	Lower	Upper
99	100		
42	14.5	11.4	17.0
71	42.9	34.6	51.8



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations
APPROVED

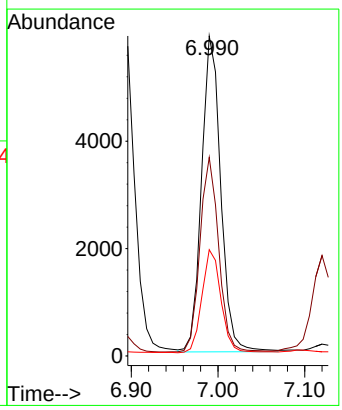
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

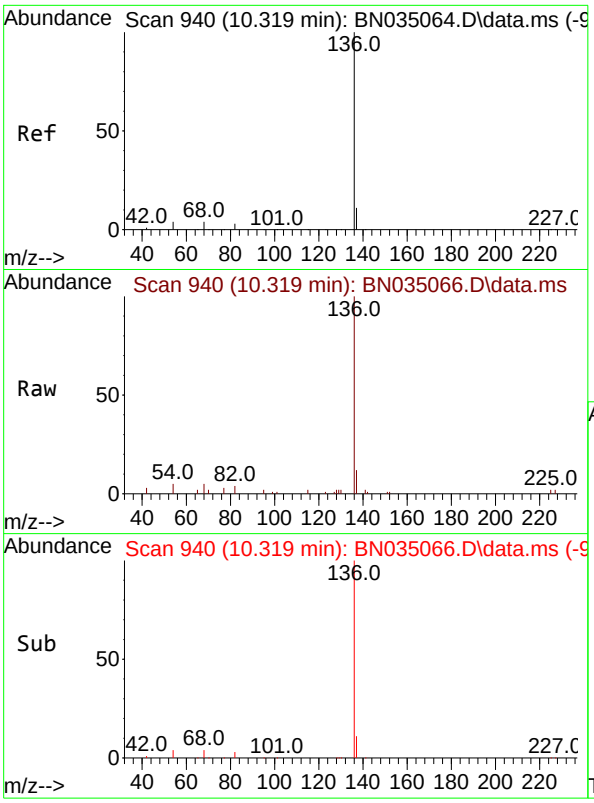


#6
bis(2-Chloroethyl)ether
Concen: 1.665 ng
RT: 6.990 min Scan# 569
Delta R.T. -0.000 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion: 93 Resp: 9071

Ion	Ratio	Lower	Upper
93	100		
63	60.3	47.4	71.2
95	32.3	26.2	39.4

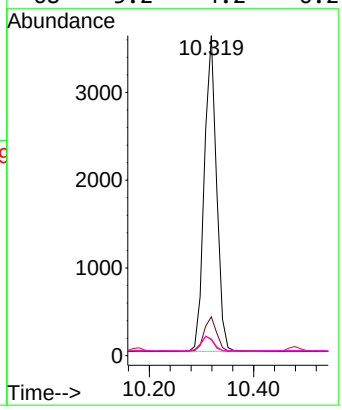




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.319 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:136 Resp: 582

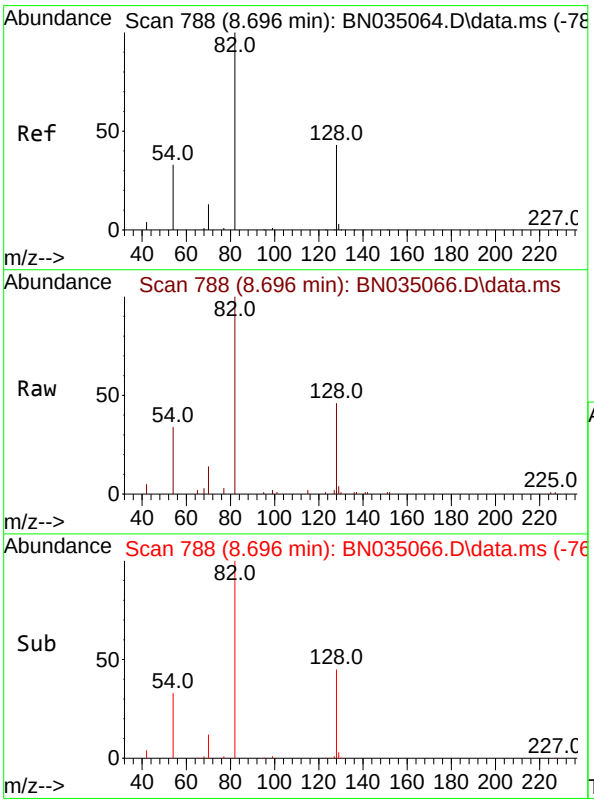
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.8	14.8
54	5.0	4.0	6.0
68	5.2	4.2	6.2



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations
APPROVED

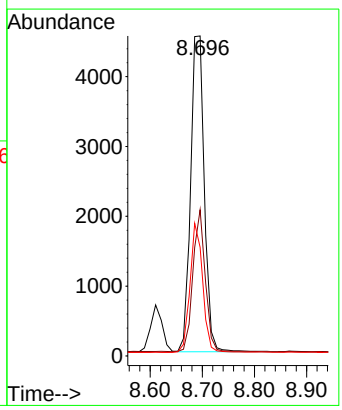
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

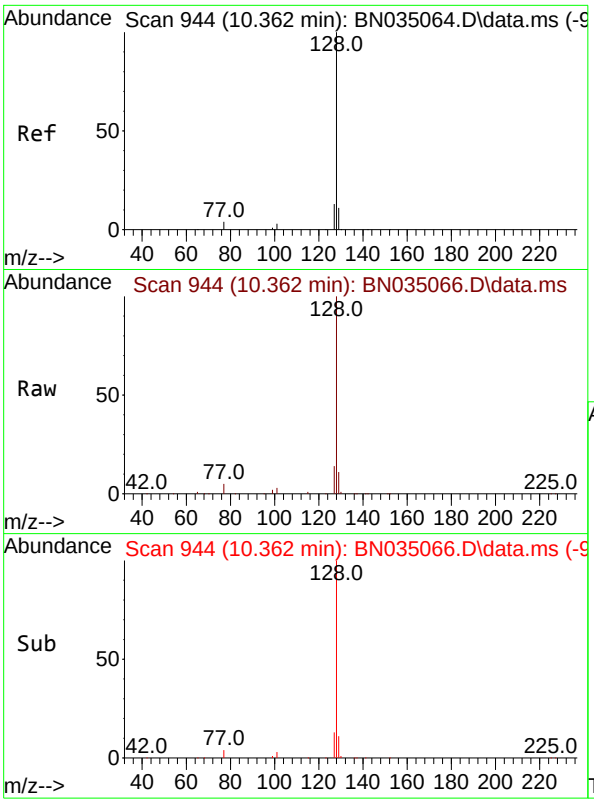


#8
Nitrobenzene-d5
Concen: 1.643 ng
RT: 8.696 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion: 82 Resp: 8306

Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.5	54.7
54	34.0	28.7	43.1

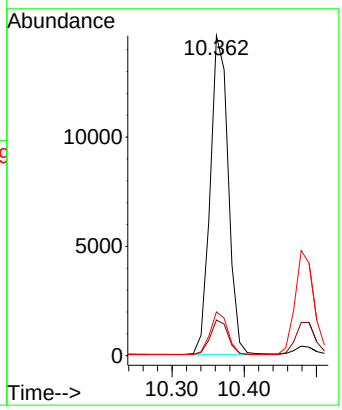




#9
Naphthalene
Concen: 1.662 ng
RT: 10.362 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:128 Resp: 2528

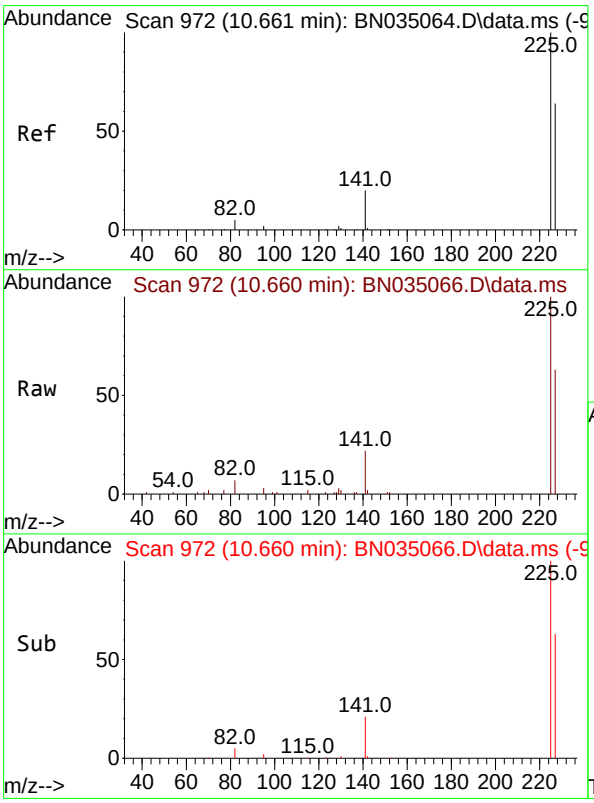
Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.6	14.4
127	13.7	11.6	17.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED

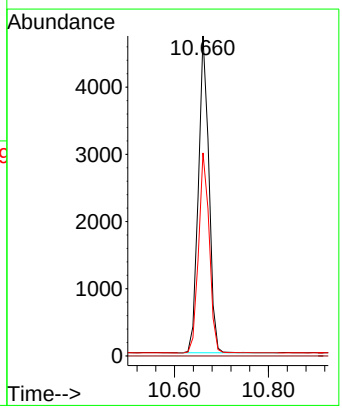
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

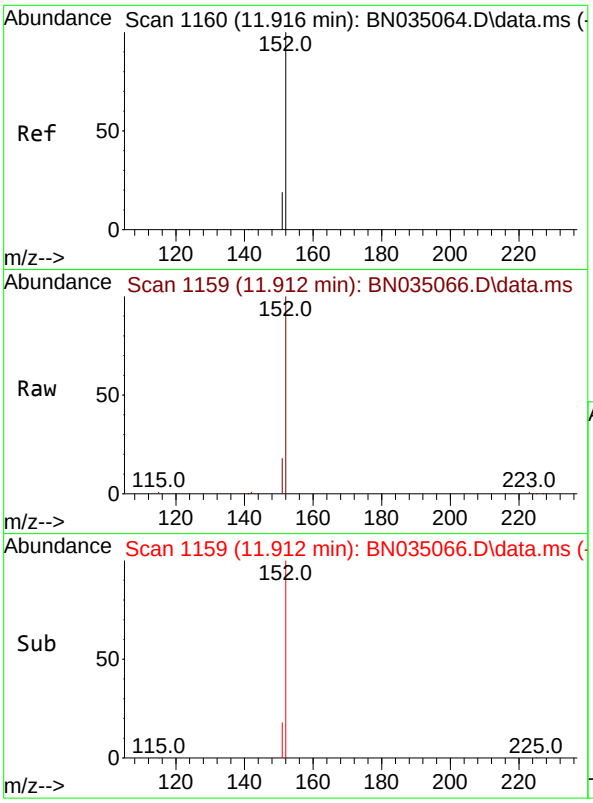


#10
Hexachlorobutadiene
Concen: 1.646 ng
RT: 10.660 min Scan# 972
Delta R.T. -0.000 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:225 Resp: 7338

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.5	77.3





#11
2-Methylnaphthalene-d10
Concen: 1.690 ng
RT: 11.912 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

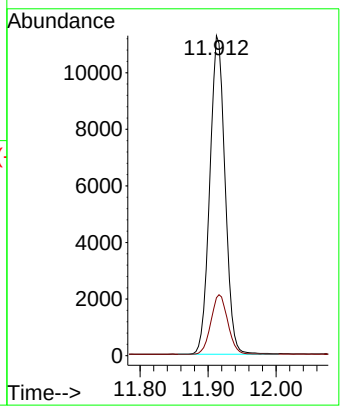
Tgt Ion:152 Resp: 1754

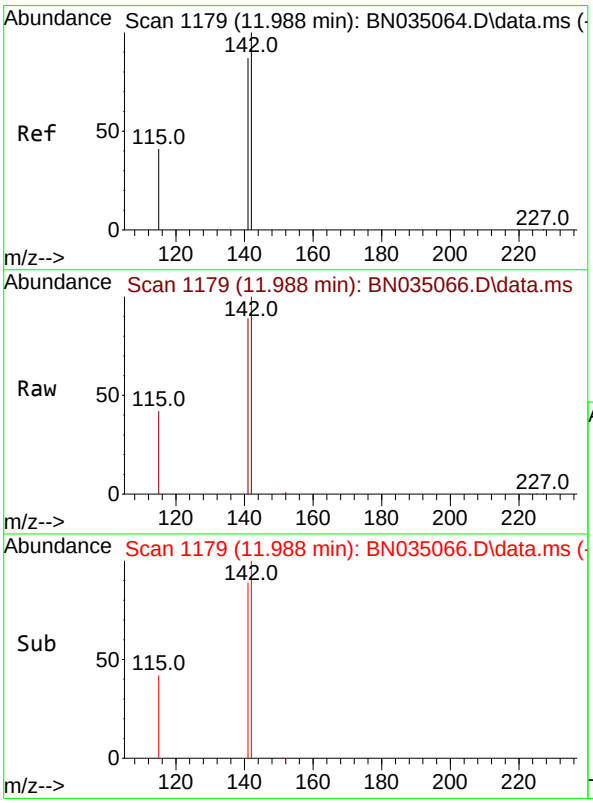
Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.4

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

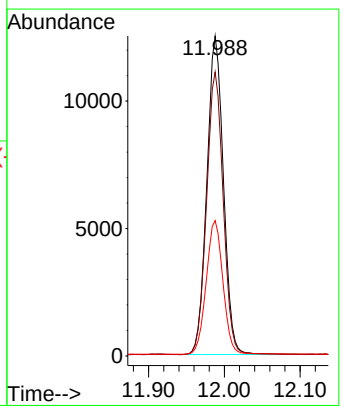


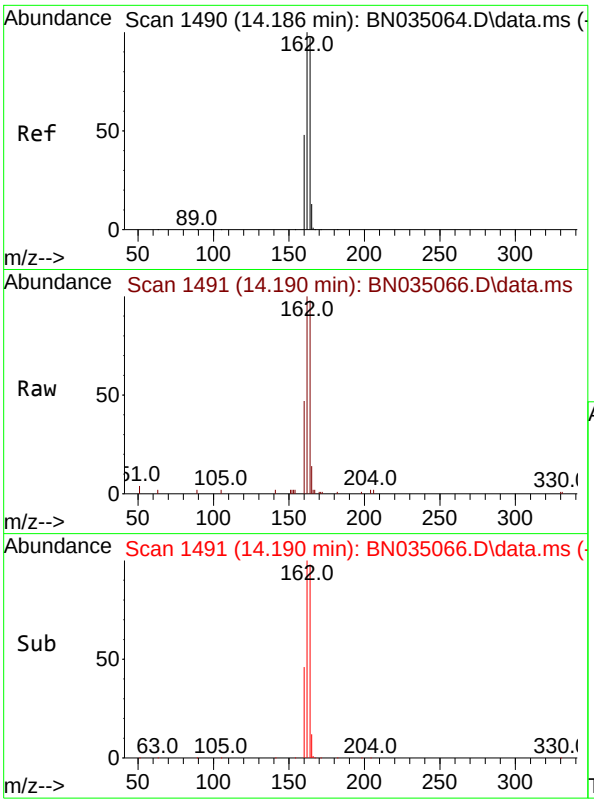


#12
2-Methylnaphthalene
Concen: 1.693 ng
RT: 11.988 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:142 Resp: 18997

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.1	105.1
115	42.3	34.4	51.6

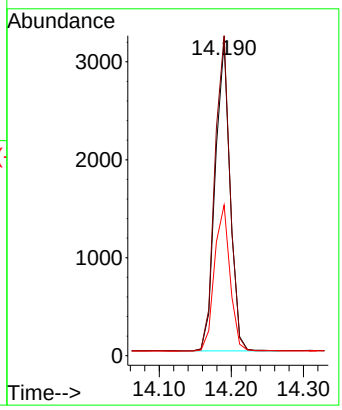




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.190 min Scan# 14
Delta R.T. 0.004 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:164 Resp: 451

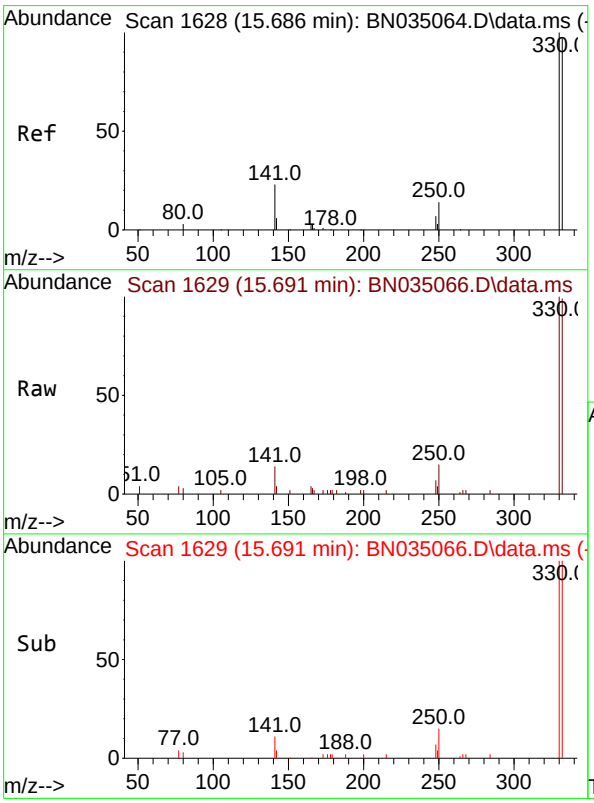
Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.2	123.2
160	47.9	40.2	60.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations
APPROVED

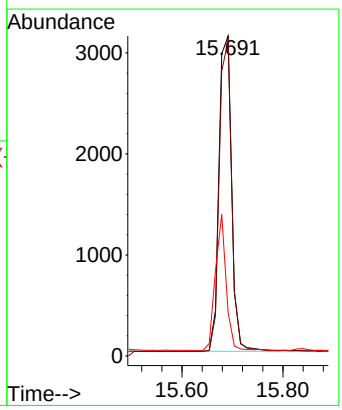
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

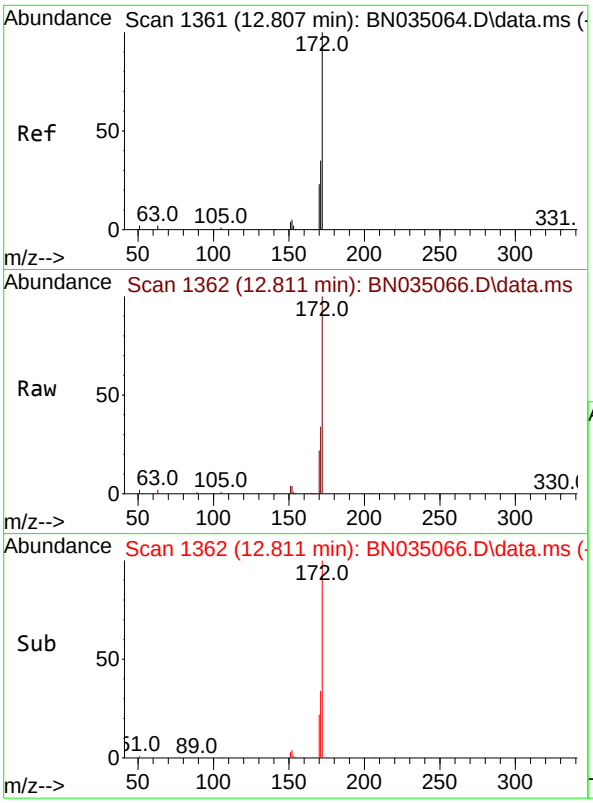


#14
2,4,6-Tribromophenol
Concen: 1.659 ng
RT: 15.691 min Scan# 1629
Delta R.T. 0.005 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:330 Resp: 5402

Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.9	115.3
141	37.2	29.6	44.4

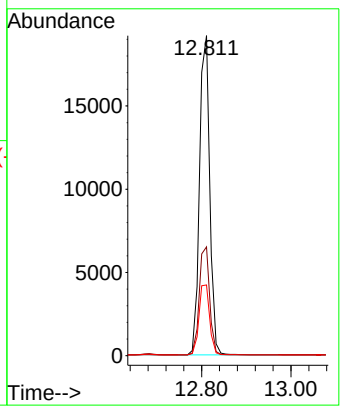




#15
2-Fluorobiphenyl
Concen: 1.661 ng
RT: 12.811 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:172 Resp: 3047

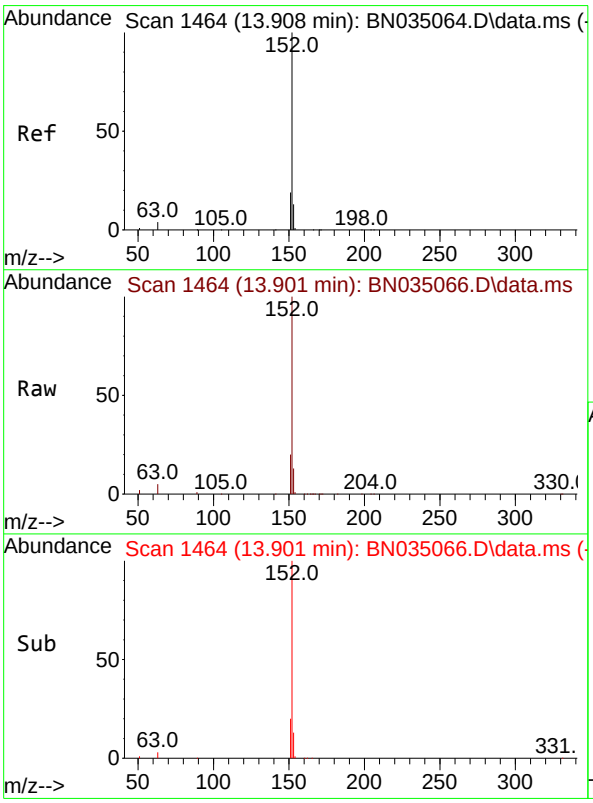
Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.2	42.4
170	22.1	19.0	28.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations
APPROVED

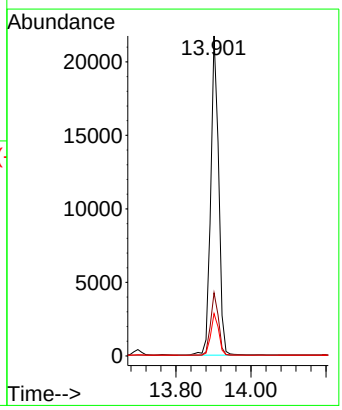
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

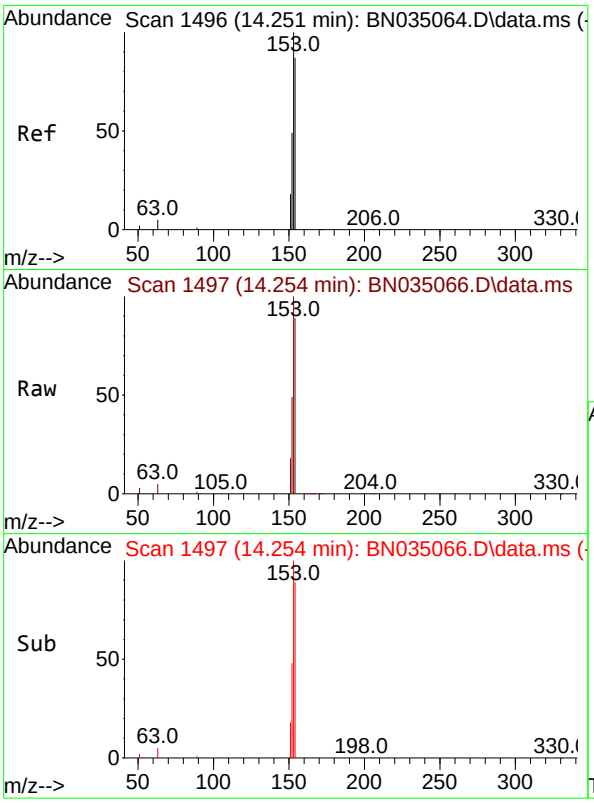


#16
Acenaphthylene
Concen: 1.661 ng
RT: 13.901 min Scan# 1464
Delta R.T. -0.007 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:152 Resp: 32064

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.8
153	13.1	10.2	15.4

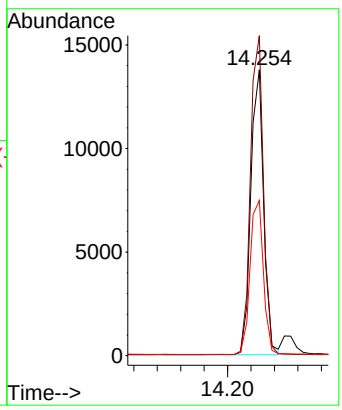




#17
Acenaphthene
Concen: 1.653 ng
RT: 14.254 min Scan# 14
Delta R.T. 0.004 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:154 Resp: 2091(

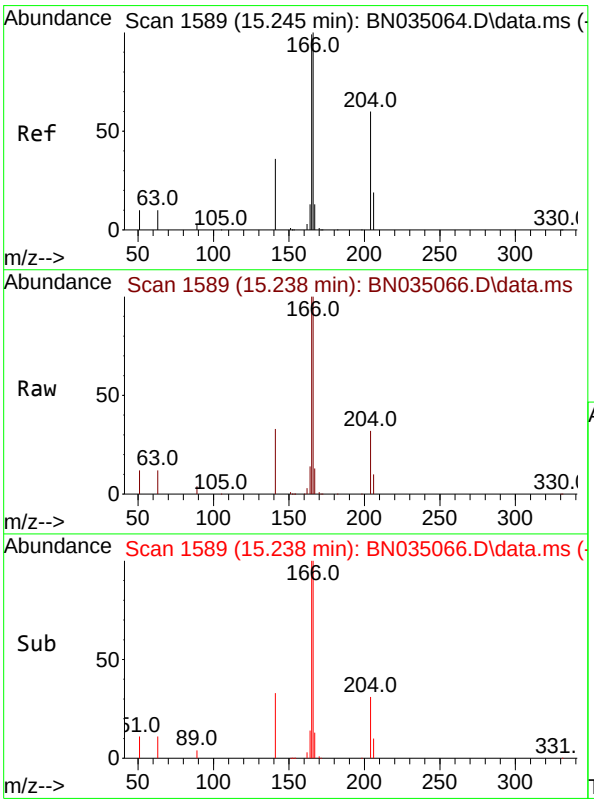
Ion	Ratio	Lower	Upper
154	100		
153	113.4	91.6	137.4
152	56.5	45.8	68.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations
APPROVED

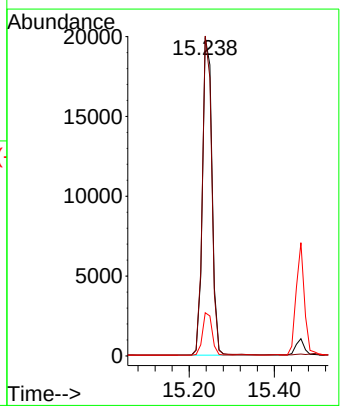
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

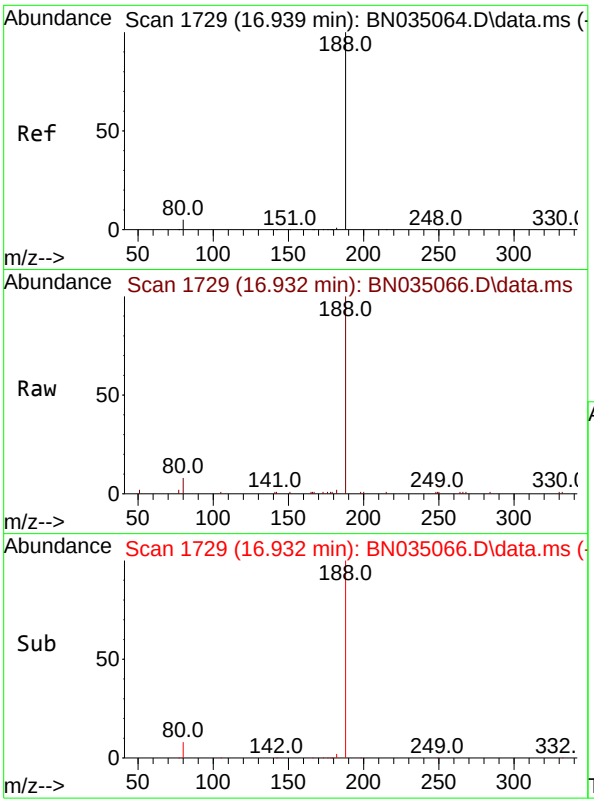


#18
Fluorene
Concen: 1.659 ng
RT: 15.238 min Scan# 1589
Delta R.T. -0.007 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:166 Resp: 30868

Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.1	118.7
167	13.4	10.6	16.0

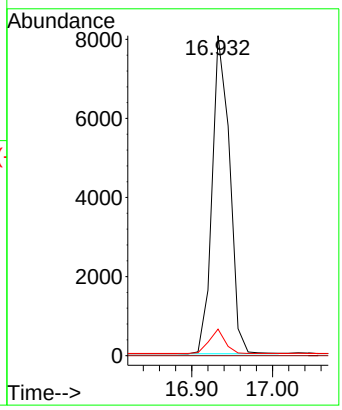




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.932 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:188 Resp: 1206

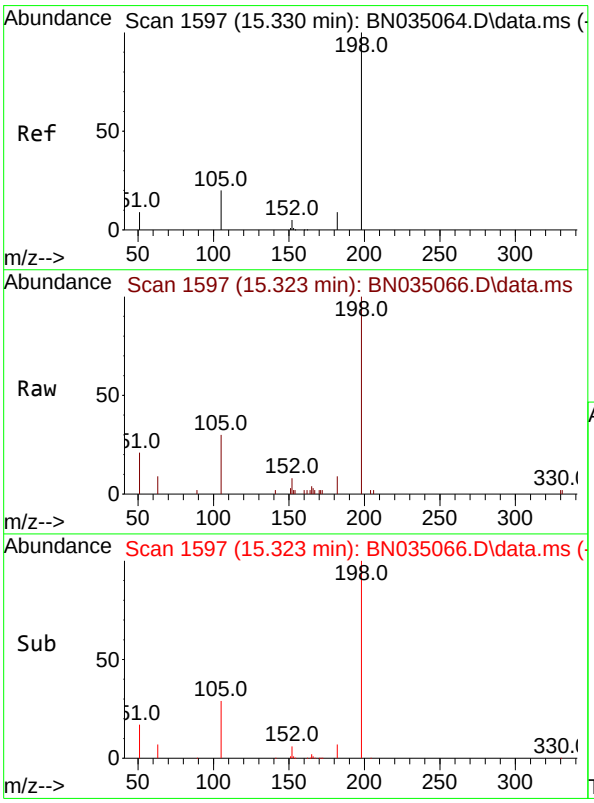
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.3	4.3	6.5#



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED

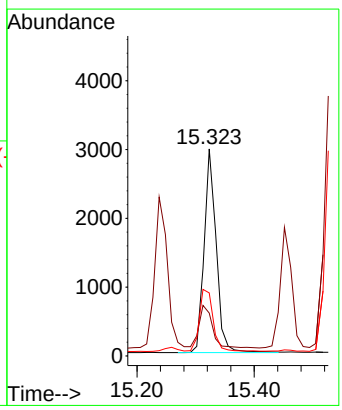
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

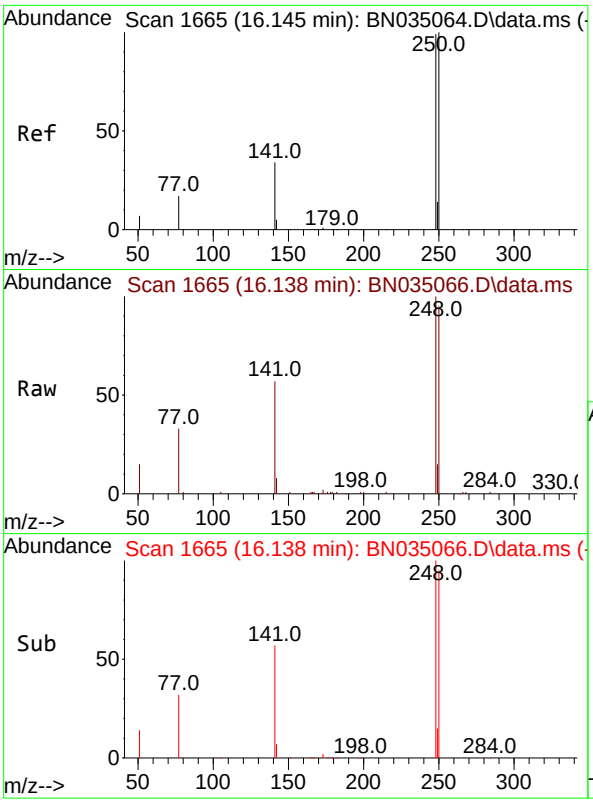


#20
4,6-Dinitro-2-methylphenol
Concen: 1.695 ng
RT: 15.323 min Scan# 1597
Delta R.T. -0.007 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:198 Resp: 4259

Ion	Ratio	Lower	Upper
198	100		
51	20.7	29.9	44.9#
105	30.5	23.7	35.5





#21
4-Bromophenyl-phenylether
Concen: 1.676 ng
RT: 16.138 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

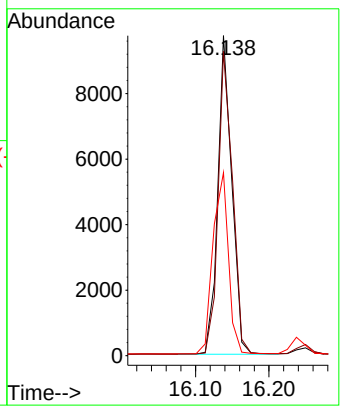
Tgt Ion:248 Resp: 1288

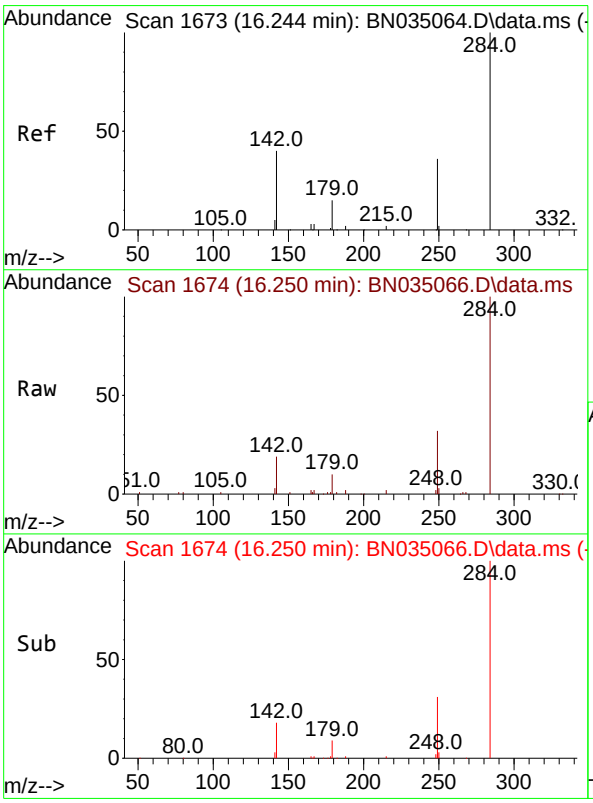
Ion	Ratio	Lower	Upper
248	100		
250	95.0	81.2	121.8
141	57.2	29.1	43.7

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

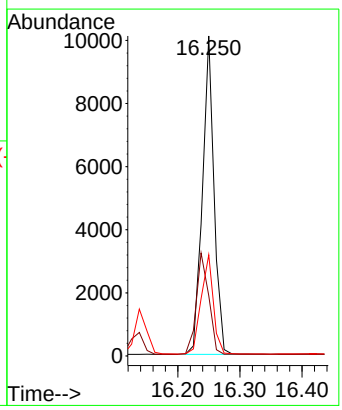


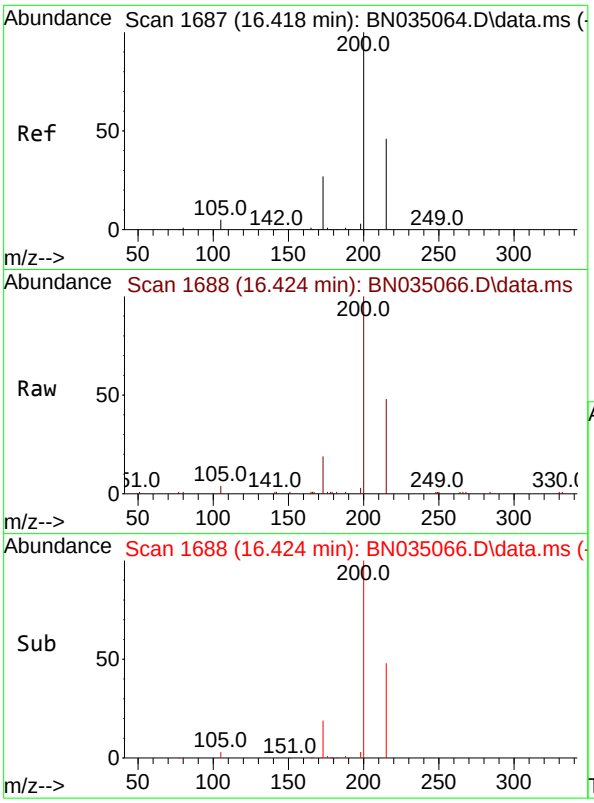


#22
Hexachlorobenzene
Concen: 1.651 ng
RT: 16.250 min Scan# 1674
Delta R.T. 0.005 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:284 Resp: 13172

Ion	Ratio	Lower	Upper
284	100		
142	34.0	28.2	42.4
249	32.5	26.2	39.2

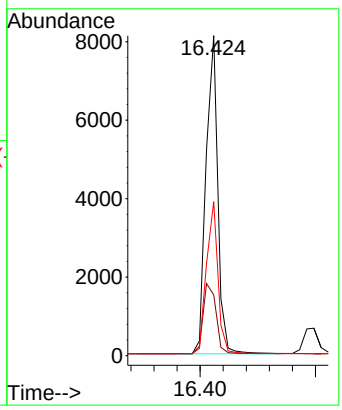




#23
Atrazine
Concen: 1.663 ng
RT: 16.424 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:200 Resp: 1147

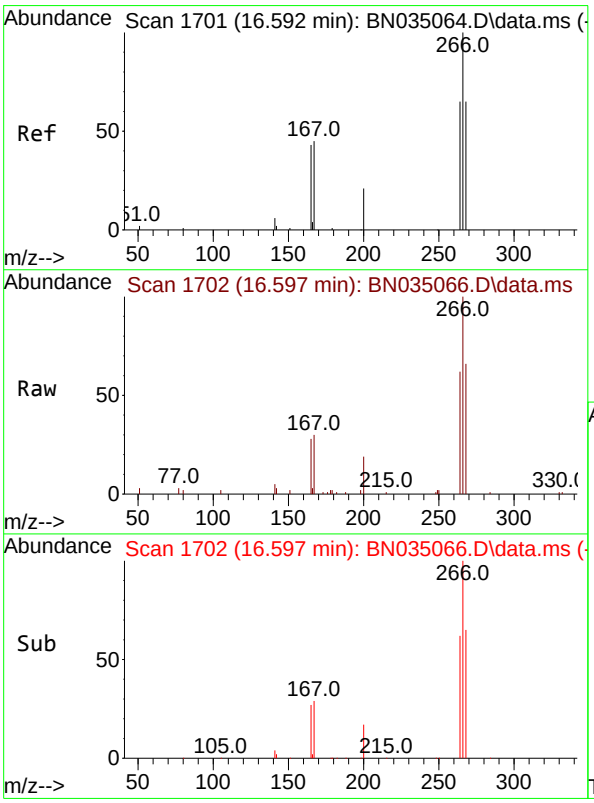
Ion	Ratio	Lower	Upper
200	100		
173	19.0	22.6	33.8
215	48.2	37.8	56.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED

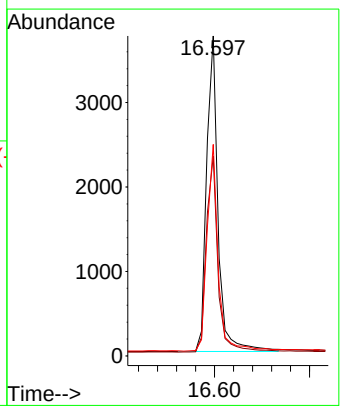
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

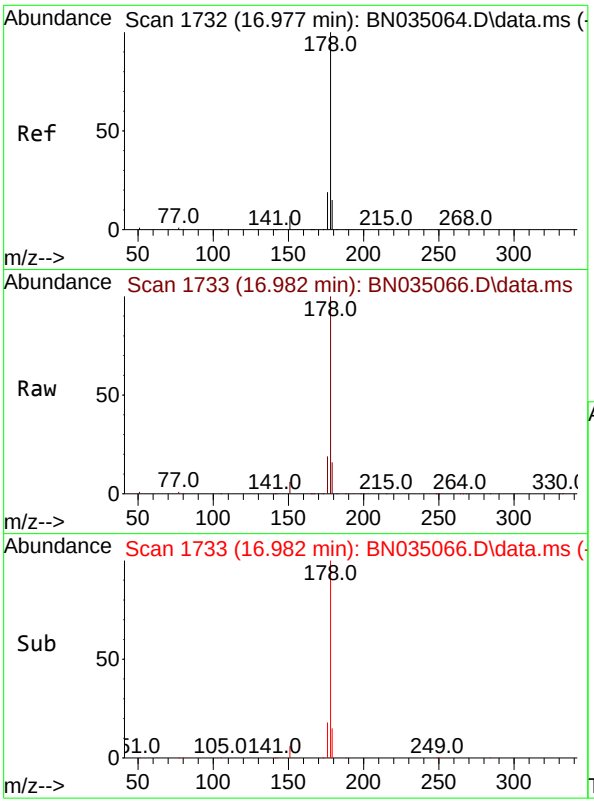


#24
Pentachlorophenol
Concen: 1.683 ng
RT: 16.597 min Scan# 1702
Delta R.T. 0.005 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:266 Resp: 6275

Ion	Ratio	Lower	Upper
266	100		
264	63.2	49.4	74.0
268	63.7	52.6	79.0

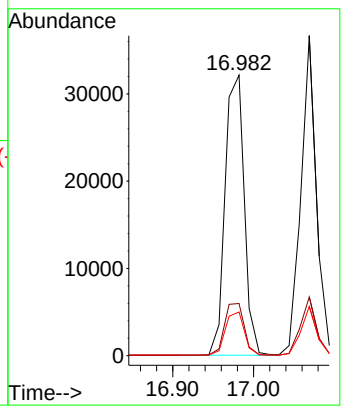




#25
Phenanthrene
Concen: 1.666 ng
RT: 16.982 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:178 Resp: 5291

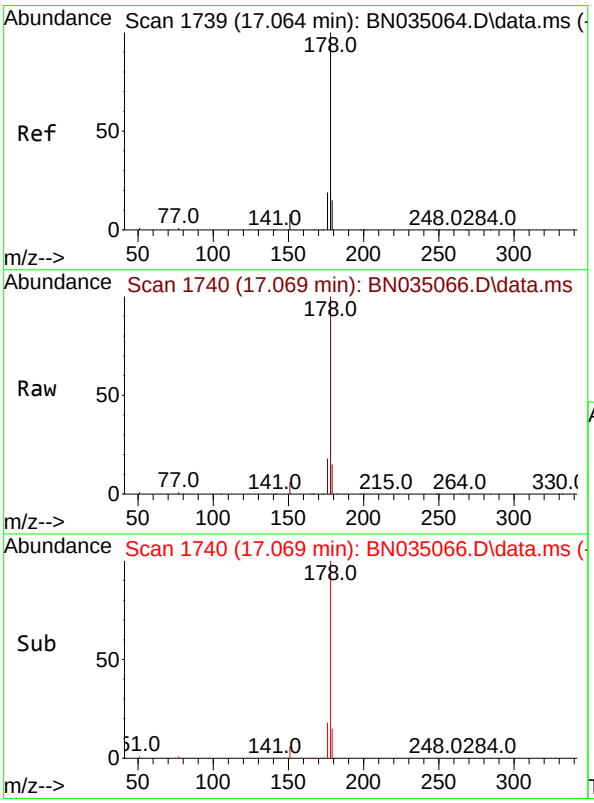
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	15.3	12.6	18.8



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED

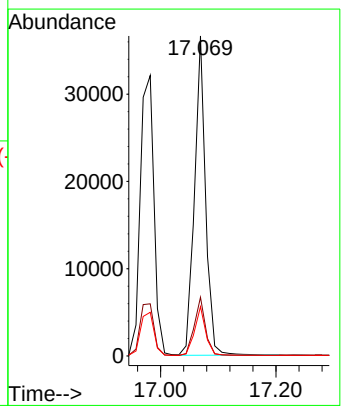
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

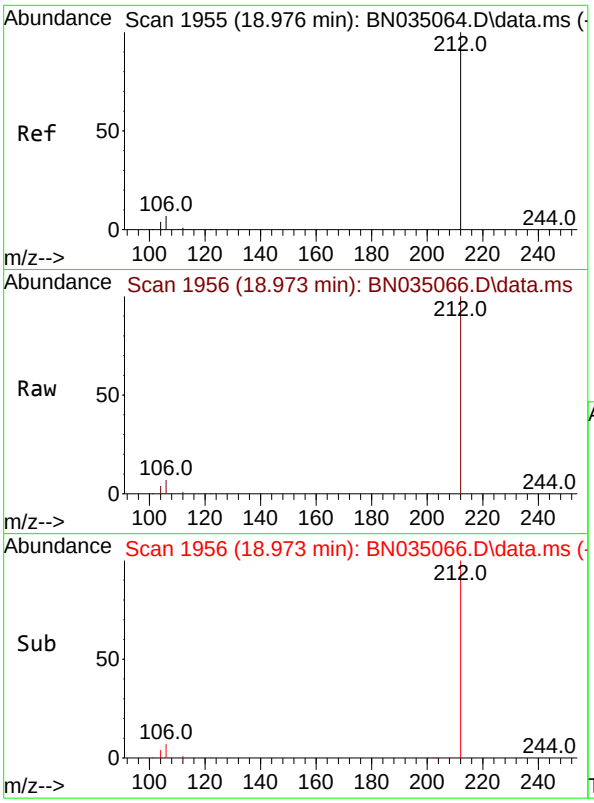


#26
Anthracene
Concen: 1.681 ng
RT: 17.069 min Scan# 1740
Delta R.T. 0.005 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:178 Resp: 49046

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	15.3	12.2	18.2

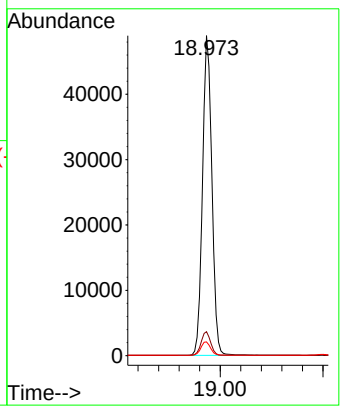




#27
Fluoranthene-d10
Concen: 1.676 ng
RT: 18.973 min Scan# 1
Delta R.T. -0.002 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:212 Resp: 6197

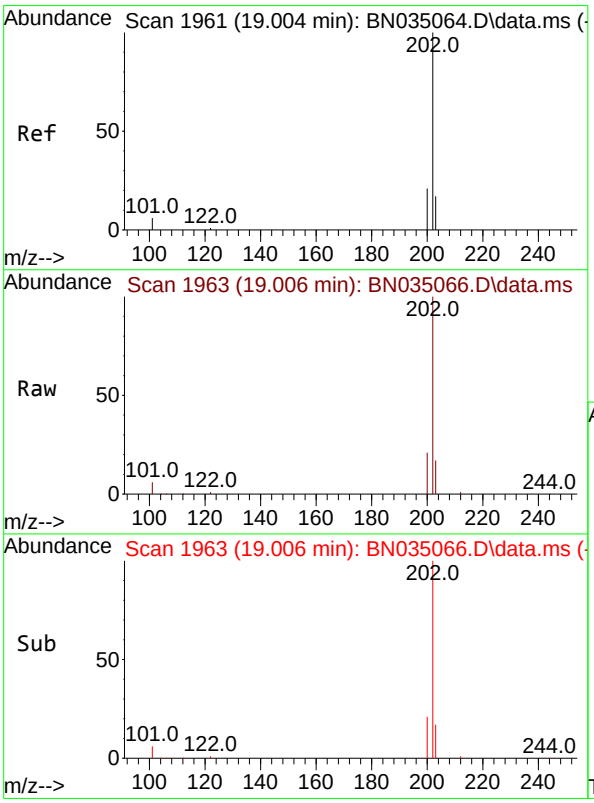
Ion	Ratio	Lower	Upper
212	100		
106	7.5	6.0	9.0
104	4.3	3.5	5.3



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED

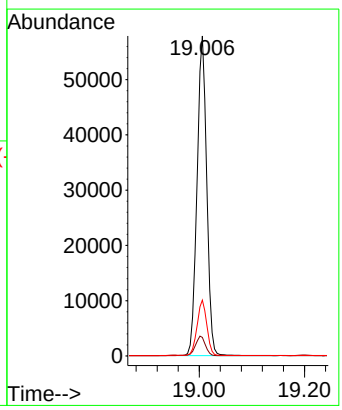
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

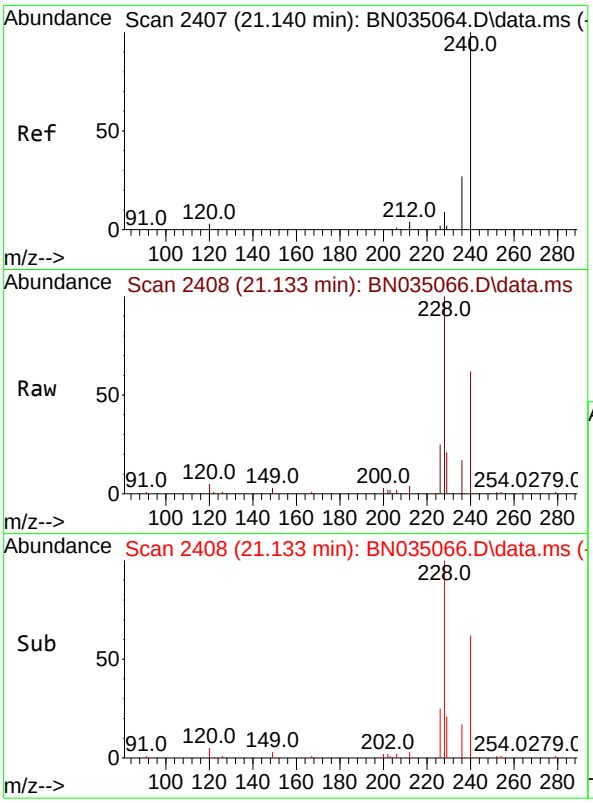


#28
Fluoranthene
Concen: 1.687 ng
RT: 19.006 min Scan# 1963
Delta R.T. 0.002 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:202 Resp: 73694

Ion	Ratio	Lower	Upper
202	100		
101	6.3	5.2	7.8
203	17.4	13.8	20.8

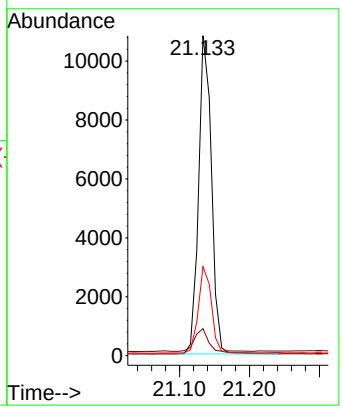




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.133 min Scan# 24
Delta R.T. -0.007 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:240 Resp: 1382

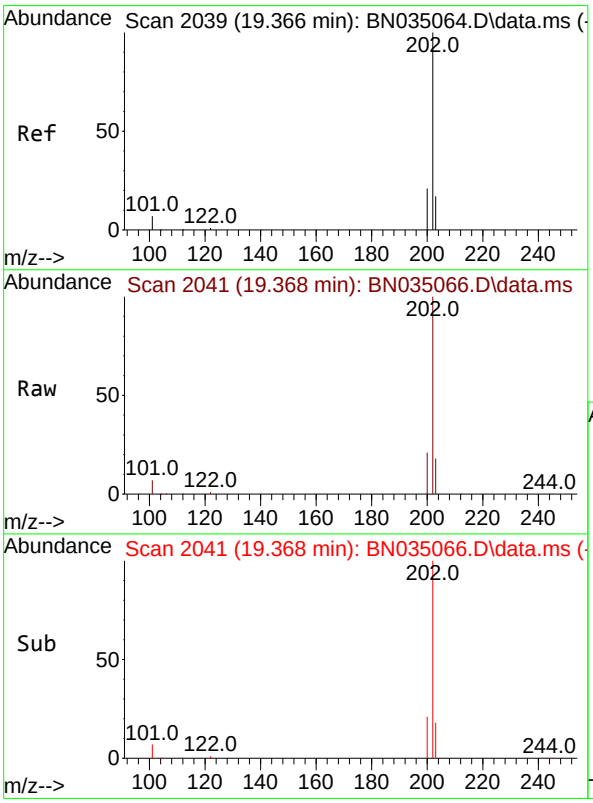
Ion	Ratio	Lower	Upper
240	100		
120	8.5	3.8	5.6
236	27.8	22.2	33.2



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED

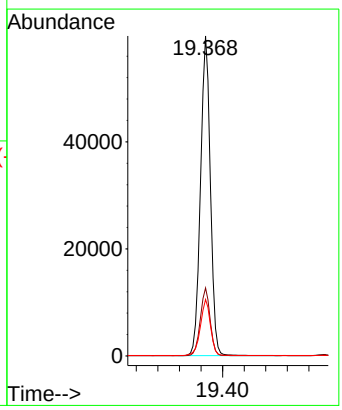
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

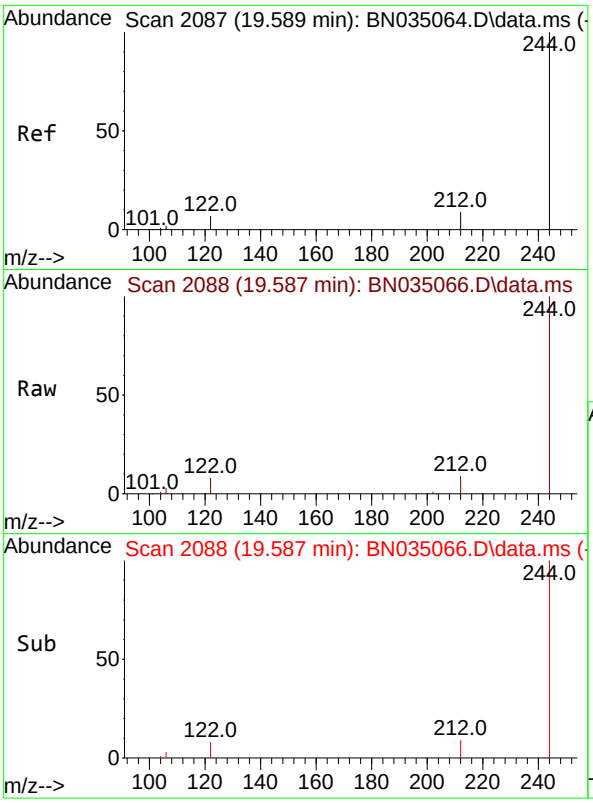


#30
Pyrene
Concen: 1.641 ng
RT: 19.368 min Scan# 2041
Delta R.T. 0.002 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:202 Resp: 75558

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.9	14.2	21.4

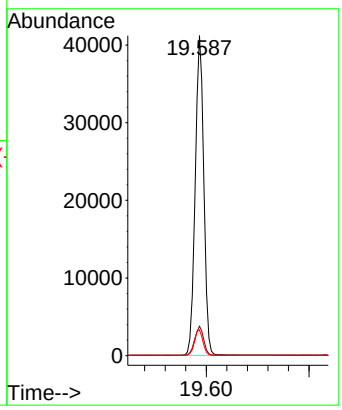




#31
Terphenyl-d14
Concen: 1.652 ng
RT: 19.587 min Scan# 2
Delta R.T. -0.002 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:244 Resp: 4791

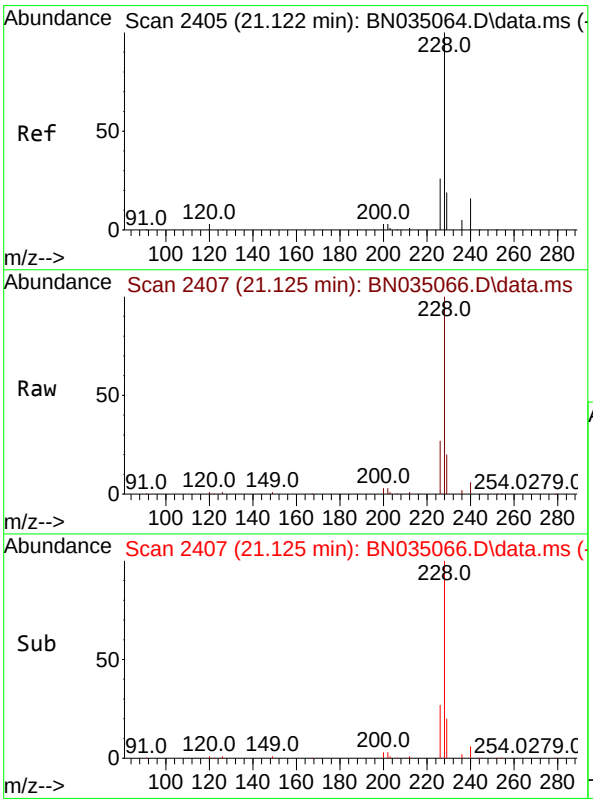
Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.6	11.4
122	8.1	6.1	9.1



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations
APPROVED

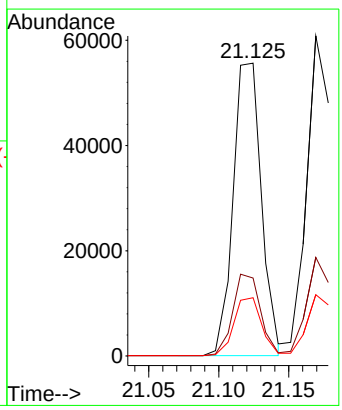
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

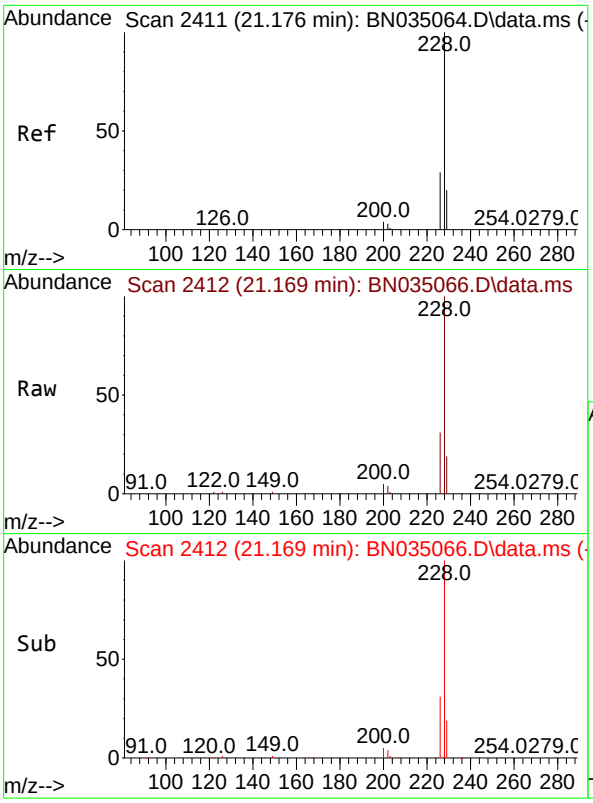


#32
Benzo(a)anthracene
Concen: 1.627 ng
RT: 21.125 min Scan# 2407
Delta R.T. 0.002 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:228 Resp: 78298

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.4	32.0
229	19.9	15.7	23.5

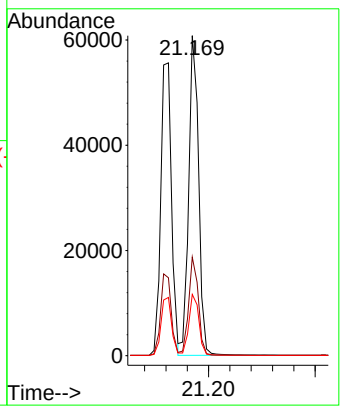




#33
Chrysene
Concen: 1.647 ng
RT: 21.169 min Scan# 24
Delta R.T. -0.007 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:228 Resp: 7853

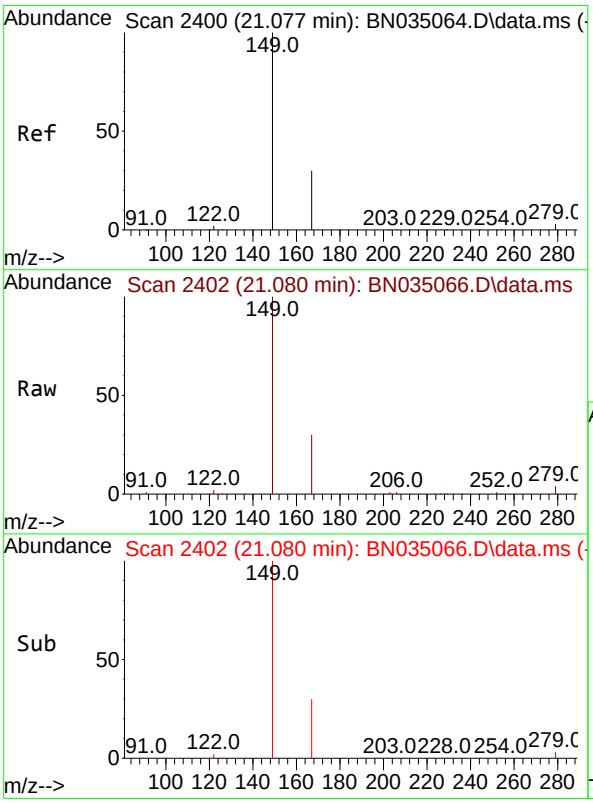
Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.7	35.5
229	19.2	16.2	24.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED

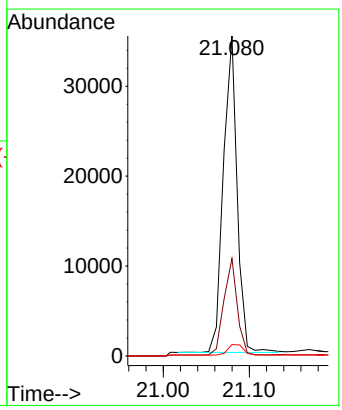
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

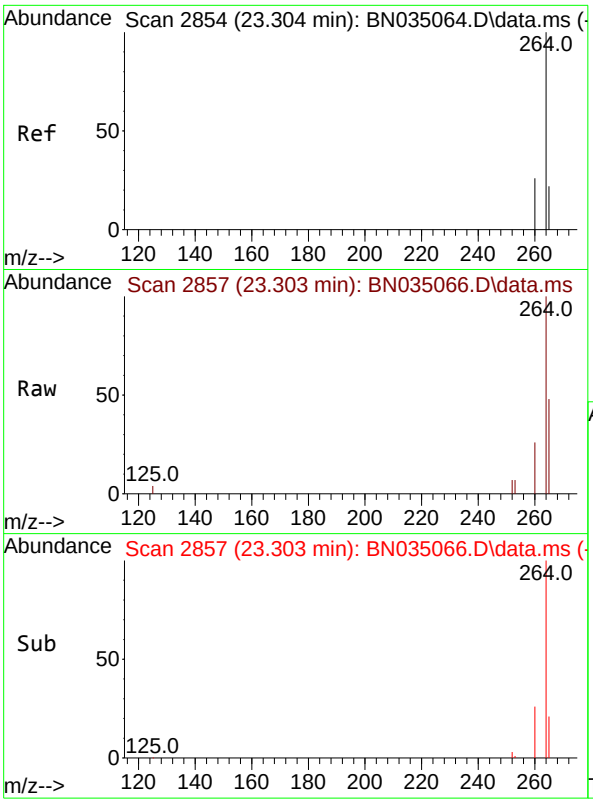


#34
Bis(2-ethylhexyl)phthalate
Concen: 1.549 ng
RT: 21.080 min Scan# 2402
Delta R.T. 0.002 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:149 Resp: 38807

Ion	Ratio	Lower	Upper
149	100		
167	29.5	23.2	34.8
279	3.9	3.2	4.8

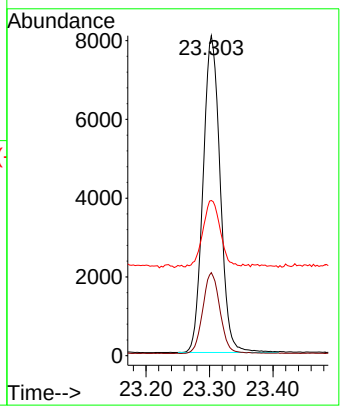




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.303 min Scan# 2
Delta R.T. -0.001 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:264 Resp: 1506

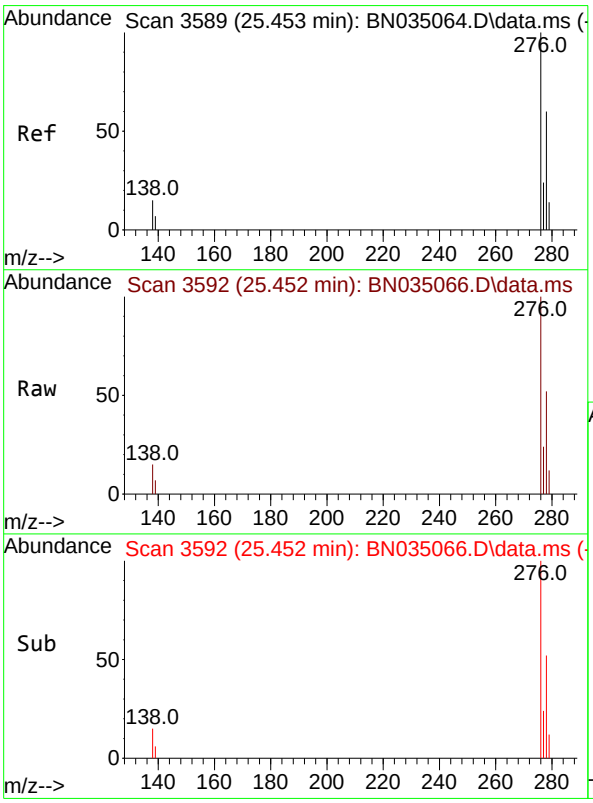
Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.9	31.3
265	48.5	35.4	53.2



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED

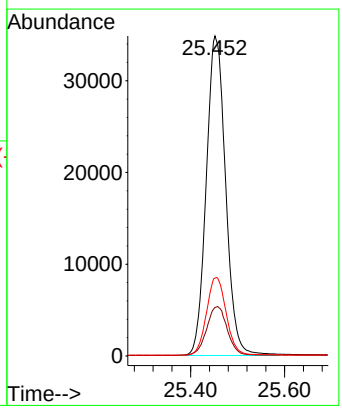
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

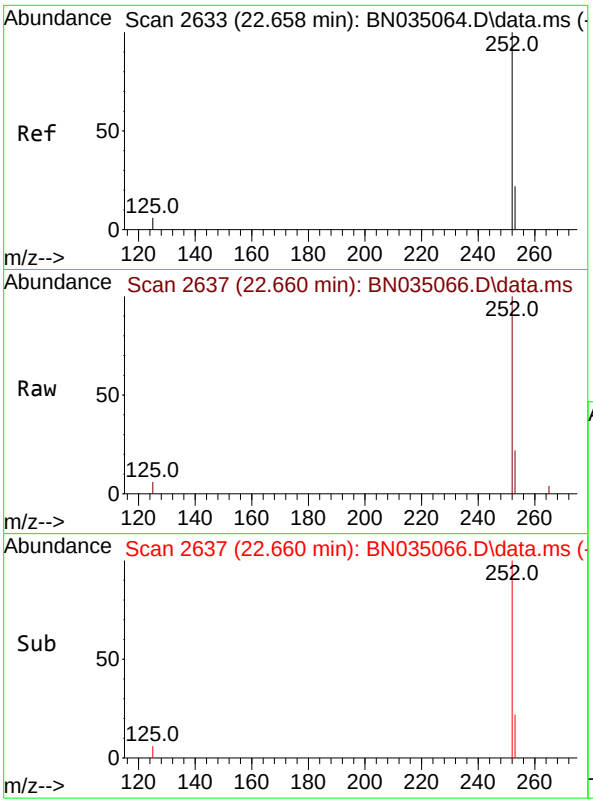


#36
Indeno(1,2,3-cd)pyrene
Concen: 1.663 ng
RT: 25.452 min Scan# 3592
Delta R.T. -0.001 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:276 Resp: 99936

Ion	Ratio	Lower	Upper
276	100		
138	16.1	13.0	19.4
277	24.8	19.8	29.6

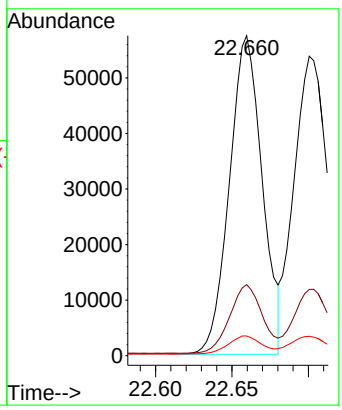




#37
Benzo(b)fluoranthene
Concen: 1.686 ng m
RT: 22.660 min Scan# 2
Delta R.T. 0.002 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:252 Resp: 8542

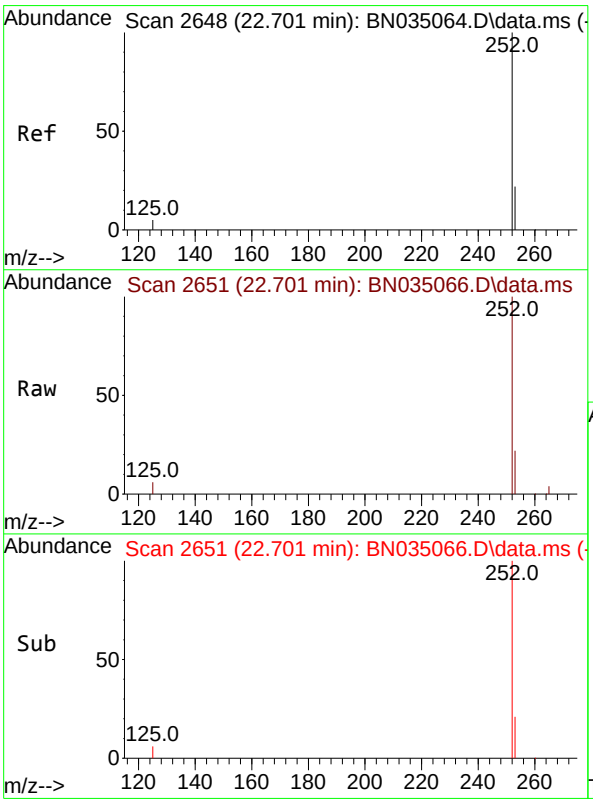
Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.3	28.9
125	6.1	6.2	9.2#



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations APPROVED

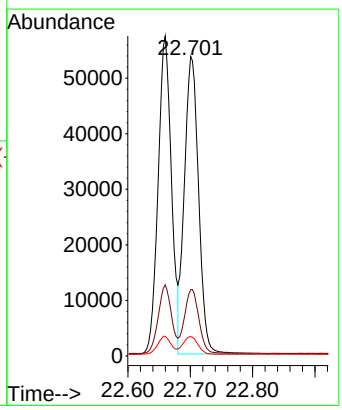
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

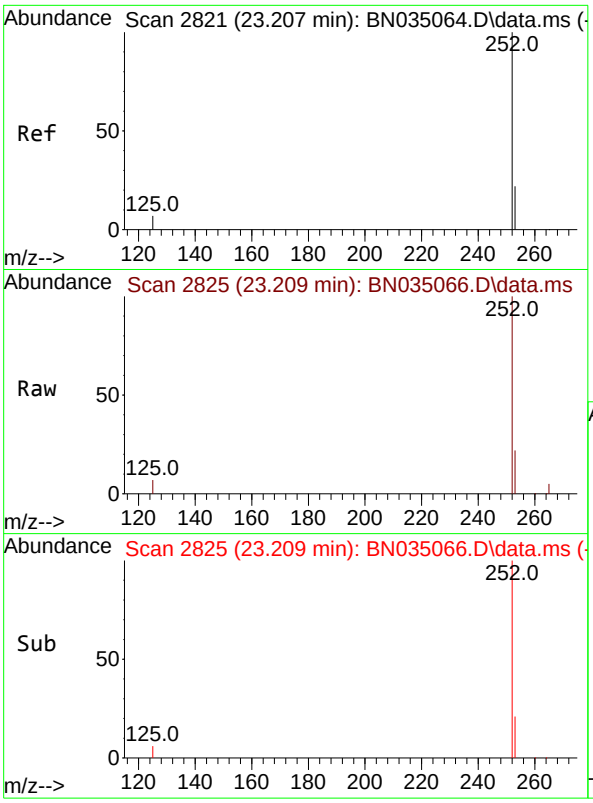


#38
Benzo(k)fluoranthene
Concen: 1.676 ng
RT: 22.701 min Scan# 2651
Delta R.T. -0.001 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:252 Resp: 84960

Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.5	29.3
125	6.5	6.5	9.7#

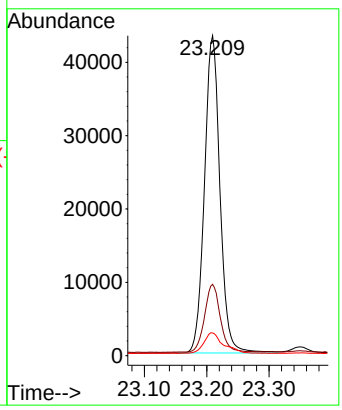




#39
Benzo(a)pyrene
Concen: 1.675 ng
RT: 23.209 min Scan# 2
Delta R.T. 0.002 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:252 Resp: 7466

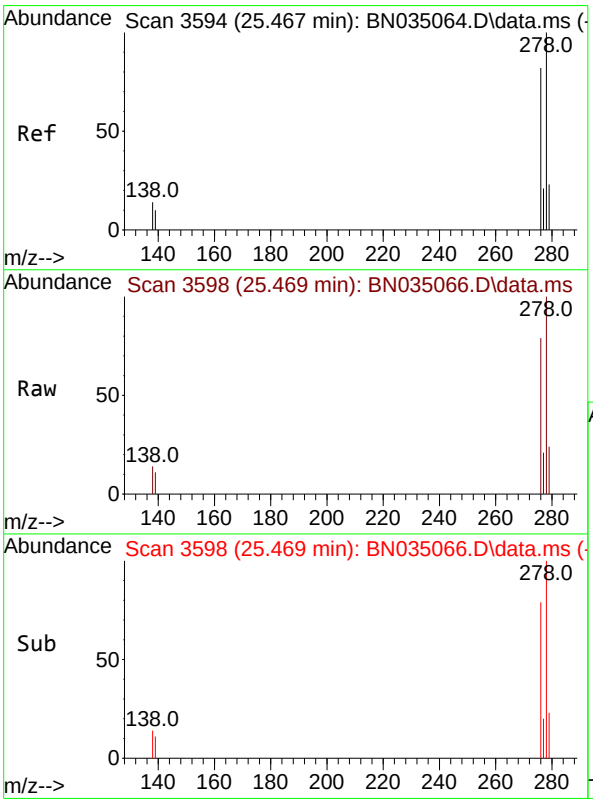
Ion	Ratio	Lower	Upper
252	100		
253	22.3	20.1	30.1
125	7.1	7.5	11.3



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations
APPROVED

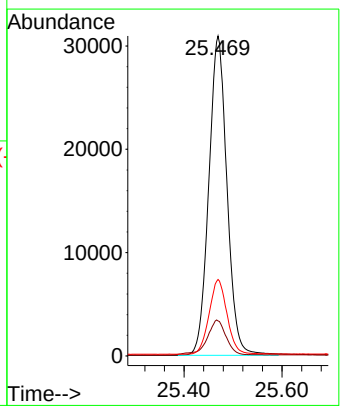
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

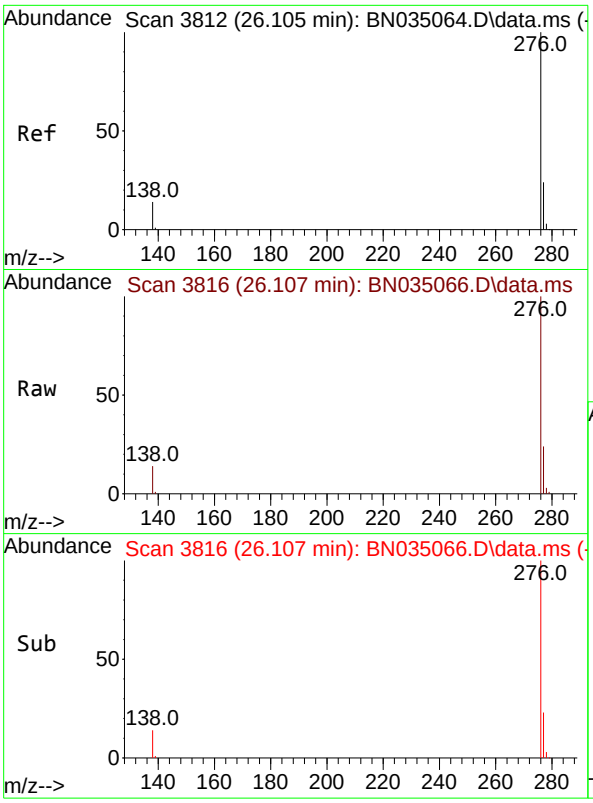


#40
Dibenzo(a,h)anthracene
Concen: 1.673 ng
RT: 25.469 min Scan# 3598
Delta R.T. 0.002 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:278 Resp: 79628

Ion	Ratio	Lower	Upper
278	100		
139	10.9	9.3	13.9
279	23.9	19.7	29.5

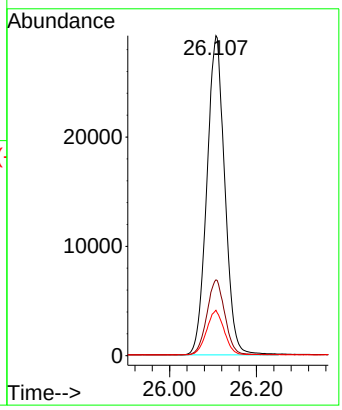




#41
Benzo(g,h,i)perylene
Concen: 1.649 ng
RT: 26.107 min Scan# 3
Delta R.T. 0.002 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:276 Resp: 8349

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.9	29.9
138	14.2	11.6	17.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035067.D
Acq On : 13 Nov 2024 15:39
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 13 16:45:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 16:42:01 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.553	152	2920	0.400	ng		0.00
7) Naphthalene-d8	10.319	136	7487	0.400	ng		0.00
13) Acenaphthene-d10	14.190	164	5593	0.400	ng		0.00
19) Phenanthrene-d10	16.932	188	14864	0.400	ng	#	0.00
29) Chrysene-d12	21.133	240	17096	0.400	ng	#	0.00
35) Perylene-d12	23.303	264	18582	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	22571	3.045	ng		0.00
5) Phenol-d6	6.737	99	29328	3.155	ng		0.00
8) Nitrobenzene-d5	8.696	82	20578	3.167	ng		0.00
11) 2-Methylnaphthalene-d10	11.912	152	42128	3.157	ng		0.00
14) 2,4,6-Tribromophenol	15.691	330	13778	3.417	ng		0.00
15) 2-Fluorobiphenyl	12.811	172	71543	3.150	ng		0.00
27) Fluoranthene-d10	18.973	212	145321	3.191	ng		0.00
31) Terphenyl-d14	19.587	244	111732	3.115	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.177	88	8131	3.066	ng		99
3) n-Nitrosodimethylamine	3.465	42	7509	3.049	ng	#	93
6) bis(2-Chloroethyl)ether	6.990	93	21619	3.099	ng		99
9) Naphthalene	10.362	128	60468	3.093	ng		98
10) Hexachlorobutadiene	10.660	225	17300	3.019	ng	#	99
12) 2-Methylnaphthalene	11.988	142	45806	3.176	ng		98
16) Acenaphthylene	13.901	152	78553	3.286	ng		99
17) Acenaphthene	14.254	154	50542	3.227	ng		98
18) Fluorene	15.238	166	74092	3.215	ng		99
20) 4,6-Dinitro-2-methylph...	15.323	198	11328	3.661	ng	#	83
21) 4-Bromophenyl-phenylether	16.138	248	30013	3.169	ng	#	85
22) Hexachlorobenzene	16.250	284	30635	3.117	ng		99
23) Atrazine	16.424	200	26567	3.127	ng	#	93
24) Pentachlorophenol	16.597	266	16789	3.656	ng		98
25) Phenanthrene	16.982	178	123000	3.144	ng		99
26) Anthracene	17.069	178	117301	3.265	ng		100
28) Fluoranthene	19.006	202	172759	3.212	ng		100
30) Pyrene	19.368	202	177937	3.125	ng		100
32) Benzo(a)anthracene	21.125	228	185345	3.114	ng		99
33) Chrysene	21.169	228	182053	3.087	ng		98
34) Bis(2-ethylhexyl)phtha...	21.080	149	94826	3.061	ng		99
36) Indeno(1,2,3-cd)pyrene	25.455	276	230419	3.108	ng		100
37) Benzo(b)fluoranthene	22.660	252	197259m	3.155	ng		
38) Benzo(k)fluoranthene	22.701	252	196686	3.144	ng	#	95
39) Benzo(a)pyrene	23.209	252	173547	3.155	ng	#	93
40) Dibenzo(a,h)anthracene	25.466	278	183641	3.127	ng		98
41) Benzo(g,h,i)perylene	26.107	276	192341	3.079	ng		98

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

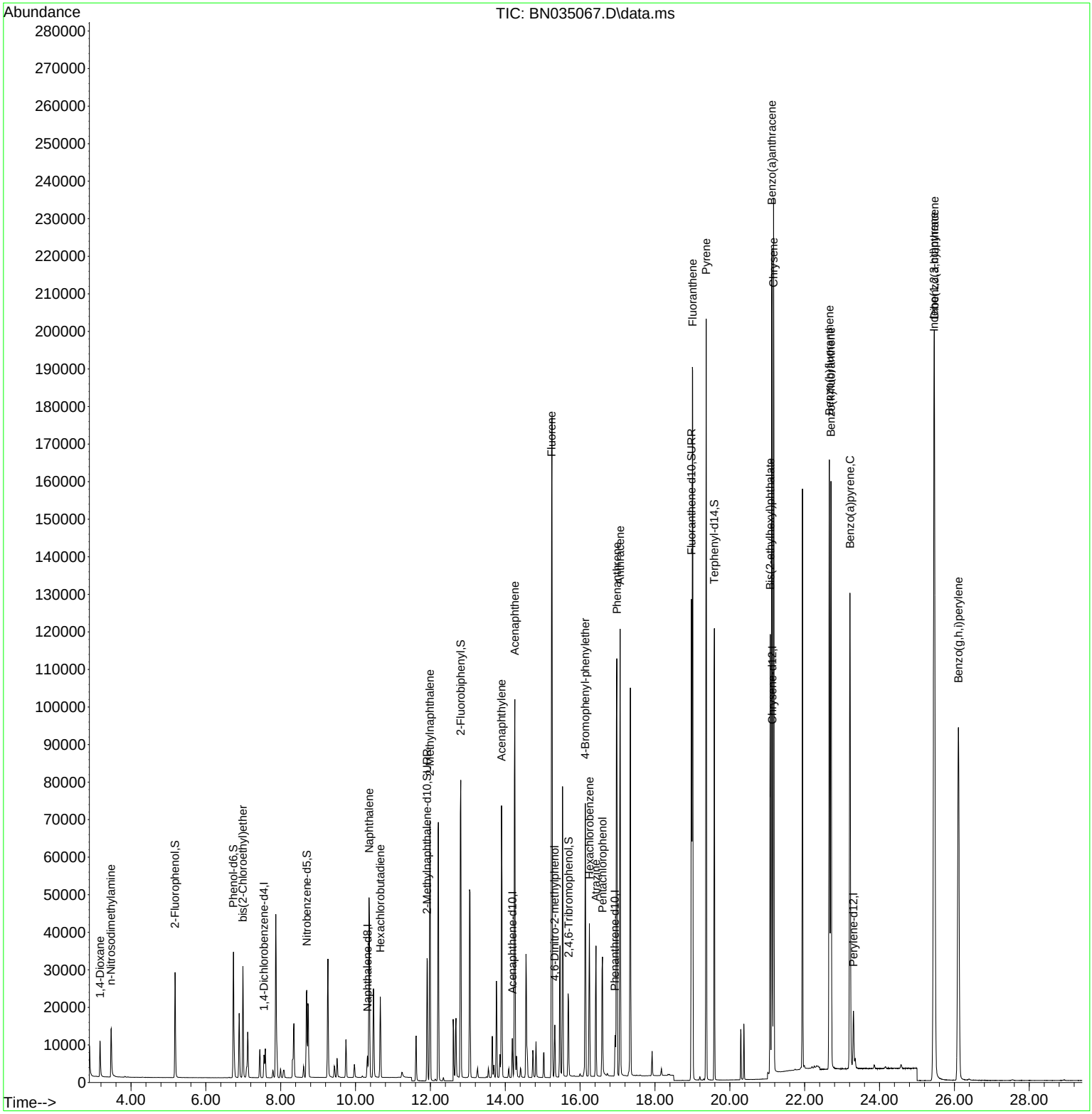
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035067.D
Acq On : 13 Nov 2024 15:39
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

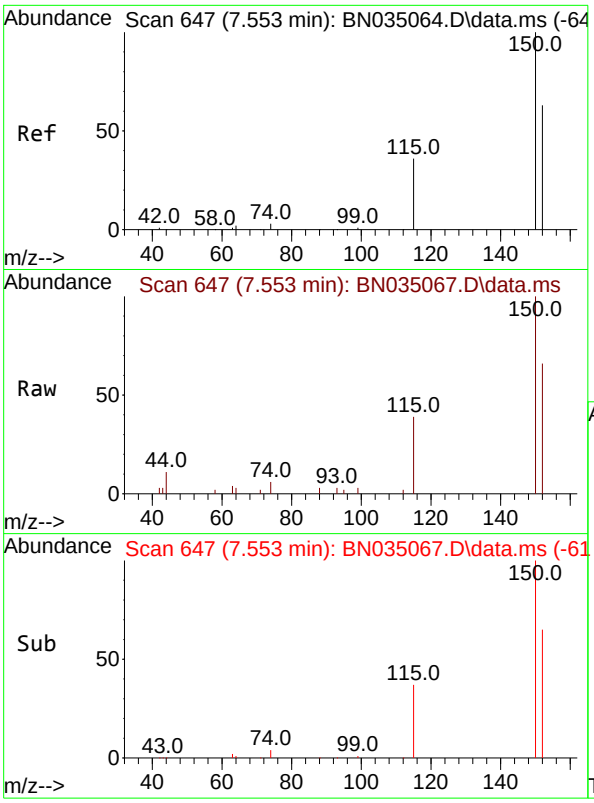
Quant Time: Nov 13 16:45:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 16:42:01 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

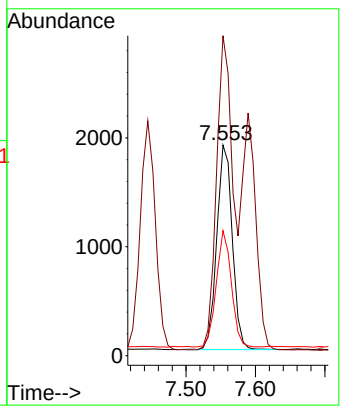




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.553 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:152 Resp: 292

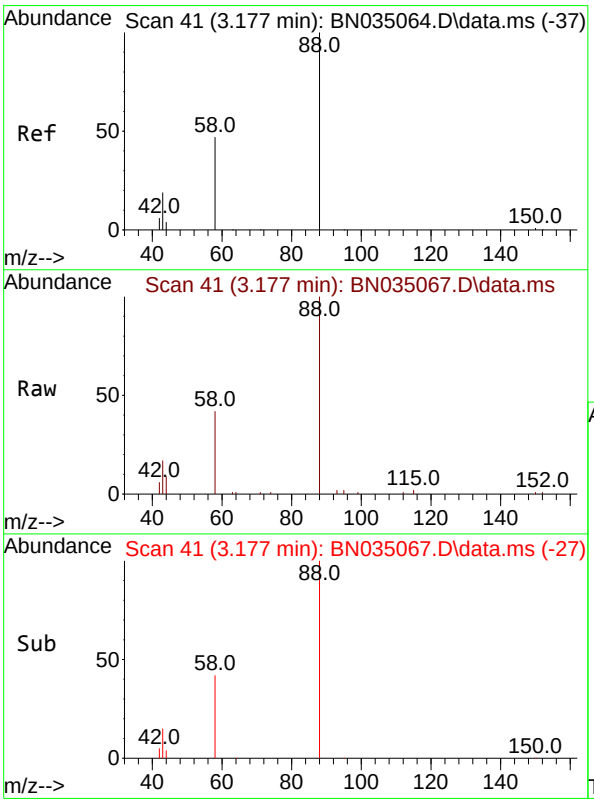
Ion	Ratio	Lower	Upper
152	100		
150	152.0	124.5	186.7
115	59.4	47.8	71.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations APPROVED

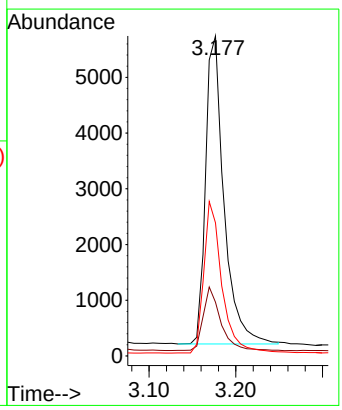
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

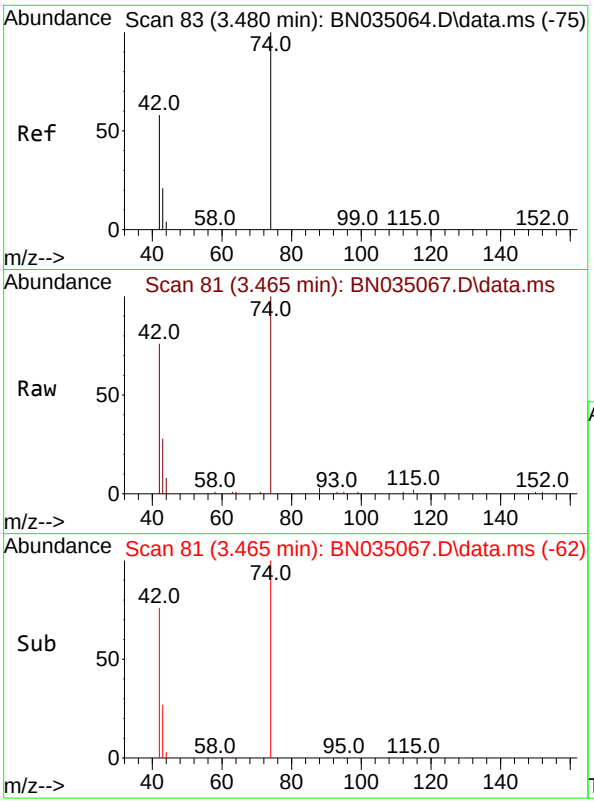


#2
1,4-Dioxane
Concen: 3.066 ng
RT: 3.177 min Scan# 41
Delta R.T. -0.000 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion: 88 Resp: 8131

Ion	Ratio	Lower	Upper
88	100		
43	19.5	16.9	25.3
58	48.4	39.0	58.4

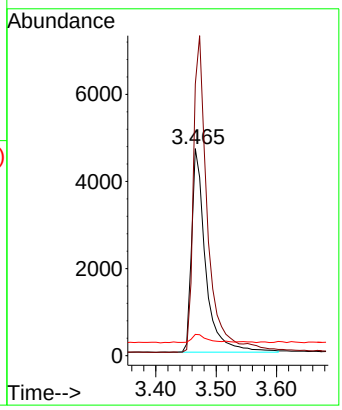




#3
n-Nitrosodimethylamine
Concen: 3.049 ng
RT: 3.465 min Scan# 8
Delta R.T. -0.015 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion: 42 Resp: 750

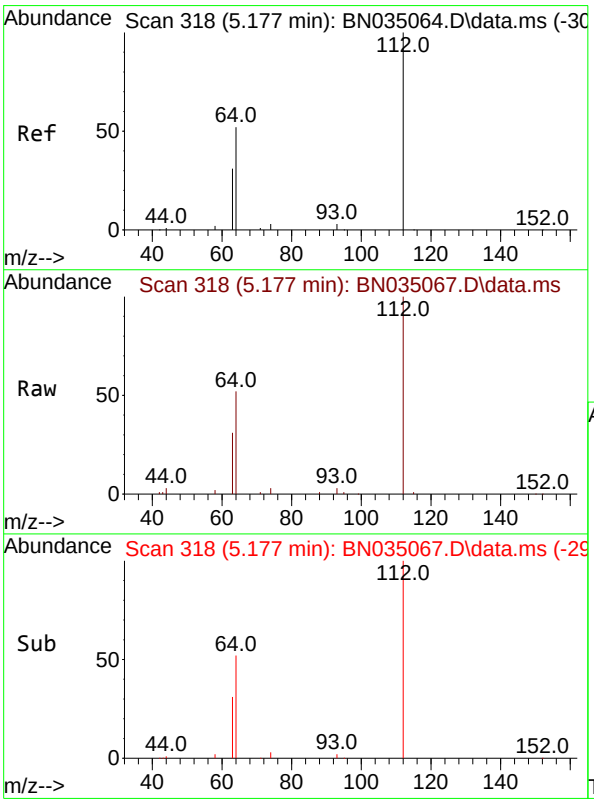
Ion	Ratio	Lower	Upper
42	100		
74	159.4	120.8	181.2
44	4.7	2.9	4.3



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations APPROVED

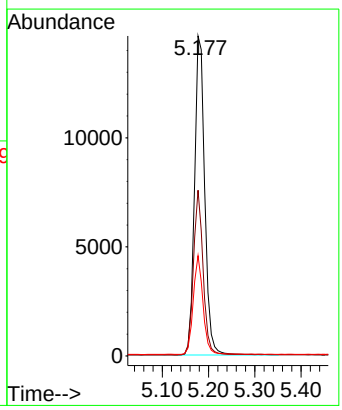
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

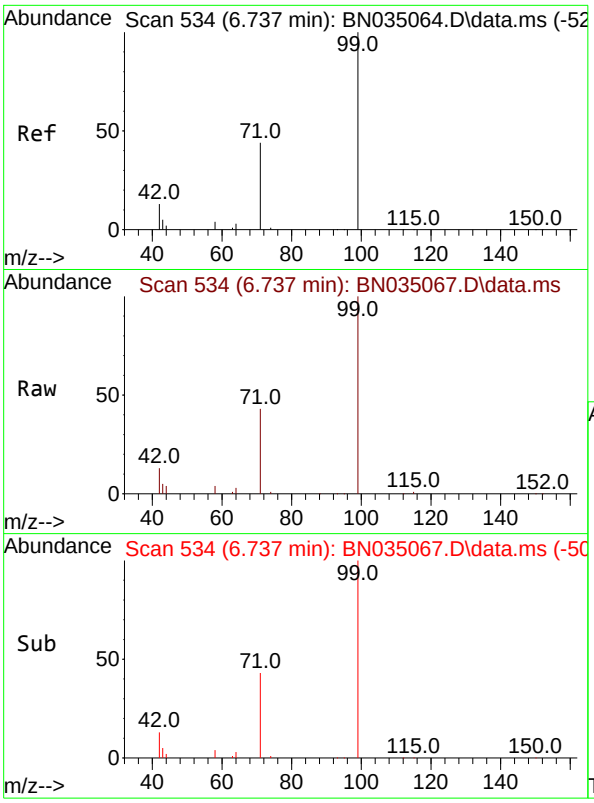


#4
2-Fluorophenol
Concen: 3.045 ng
RT: 5.177 min Scan# 318
Delta R.T. -0.000 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:112 Resp: 22571

Ion	Ratio	Lower	Upper
112	100		
64	48.8	39.7	59.5
63	29.4	23.0	34.4

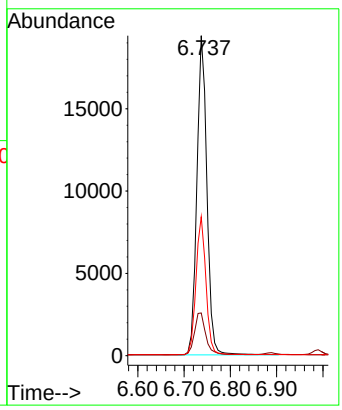




#5
Phenol-d6
Concen: 3.155 ng
RT: 6.737 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion: 99 Resp: 2932

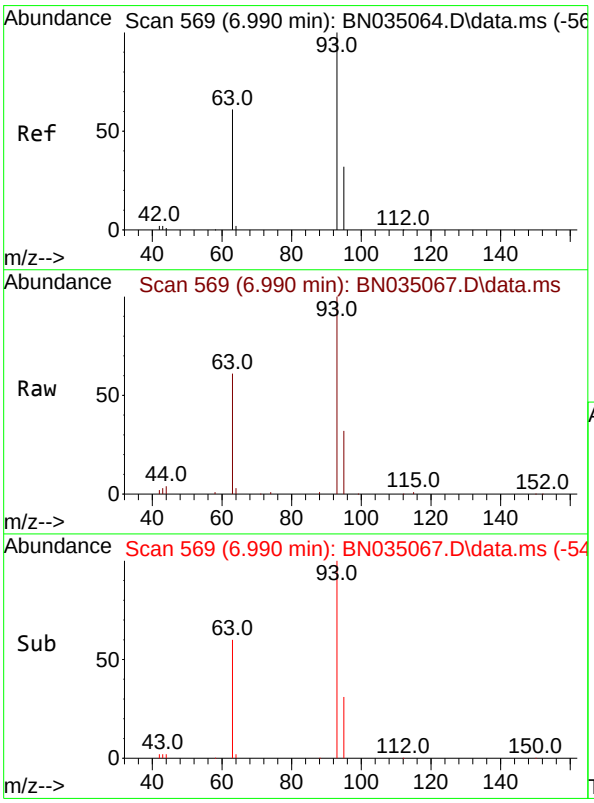
Ion	Ratio	Lower	Upper
99	100		
42	14.5	11.4	17.0
71	43.0	34.6	51.8



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations APPROVED

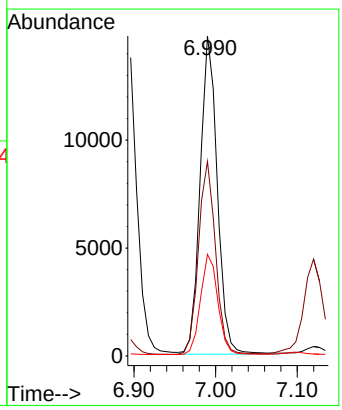
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

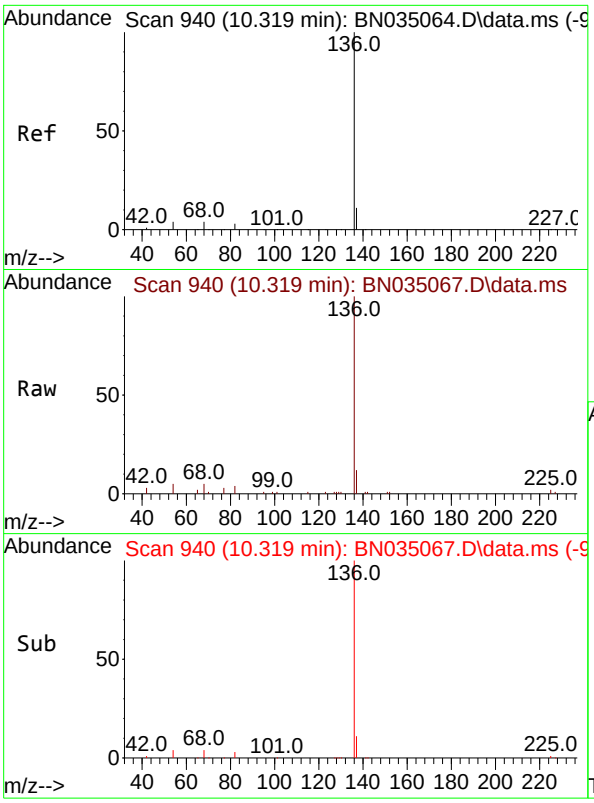


#6
bis(2-Chloroethyl)ether
Concen: 3.099 ng
RT: 6.990 min Scan# 569
Delta R.T. -0.000 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion: 93 Resp: 21619

Ion	Ratio	Lower	Upper
93	100		
63	60.2	47.4	71.2
95	31.9	26.2	39.4

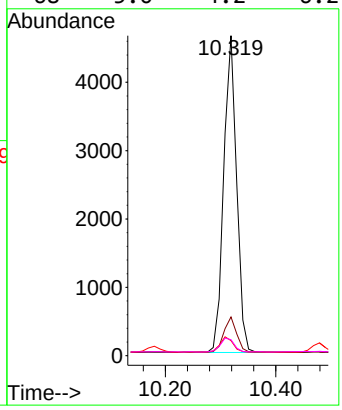




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.319 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:136 Resp: 748

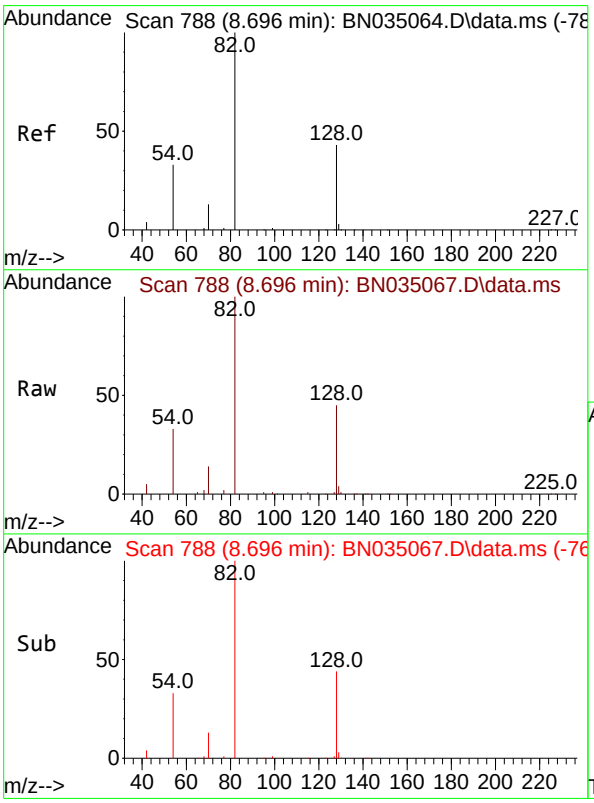
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.8	14.8
54	4.7	4.0	6.0
68	5.0	4.2	6.2



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations APPROVED

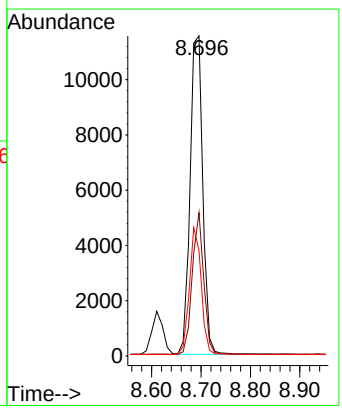
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

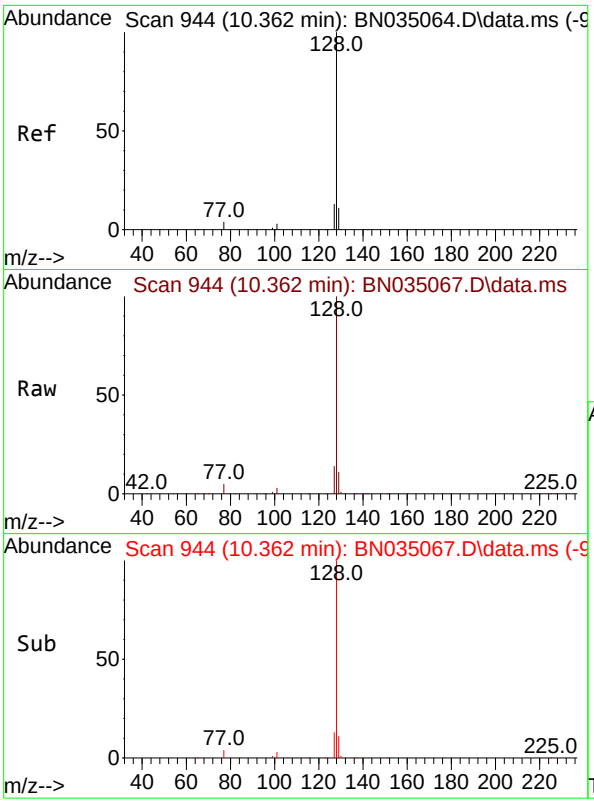


#8
Nitrobenzene-d5
Concen: 3.167 ng
RT: 8.696 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion: 82 Resp: 20578

Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.5	54.7
54	33.0	28.7	43.1

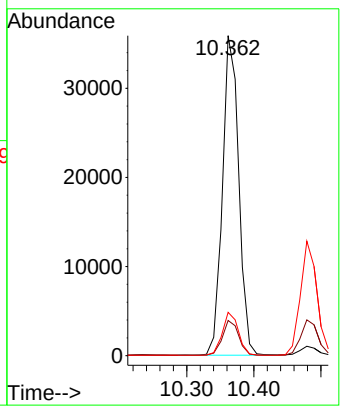




#9
Naphthalene
Concen: 3.093 ng
RT: 10.362 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:128 Resp: 6046

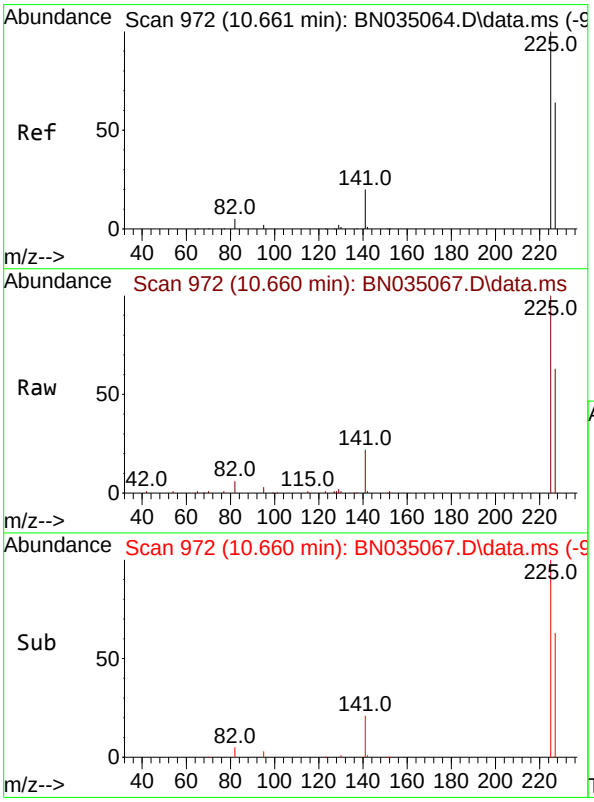
Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.6	14.4
127	13.6	11.6	17.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations
APPROVED

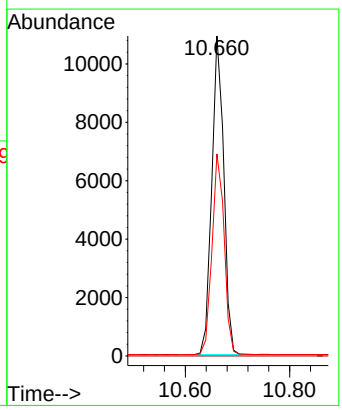
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

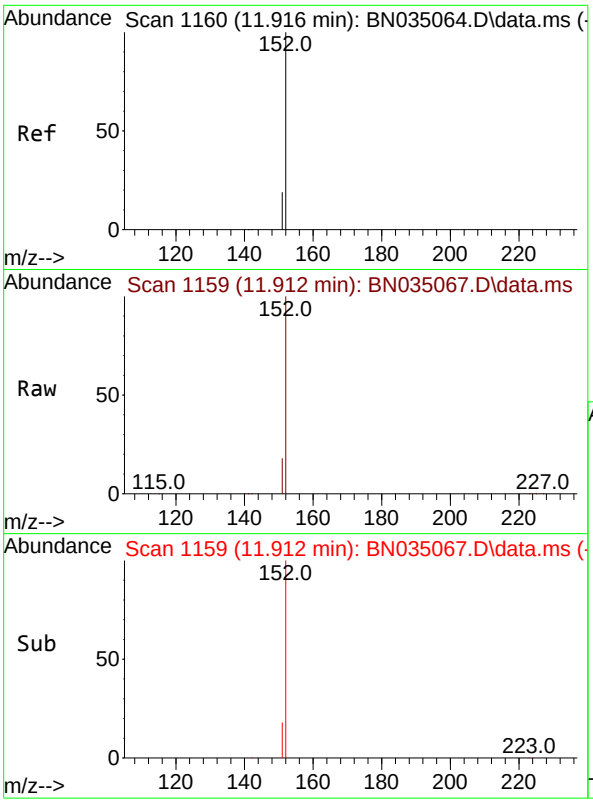


#10
Hexachlorobutadiene
Concen: 3.019 ng
RT: 10.660 min Scan# 972
Delta R.T. -0.000 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:225 Resp: 17300

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.5	77.3

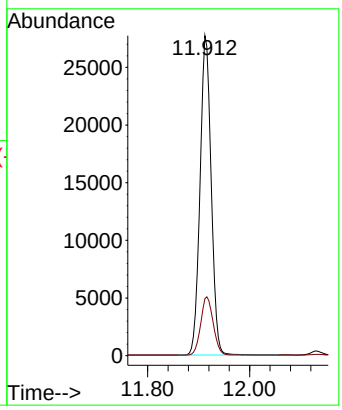




#11
2-Methylnaphthalene-d10
Concen: 3.157 ng
RT: 11.912 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:152 Resp: 4212

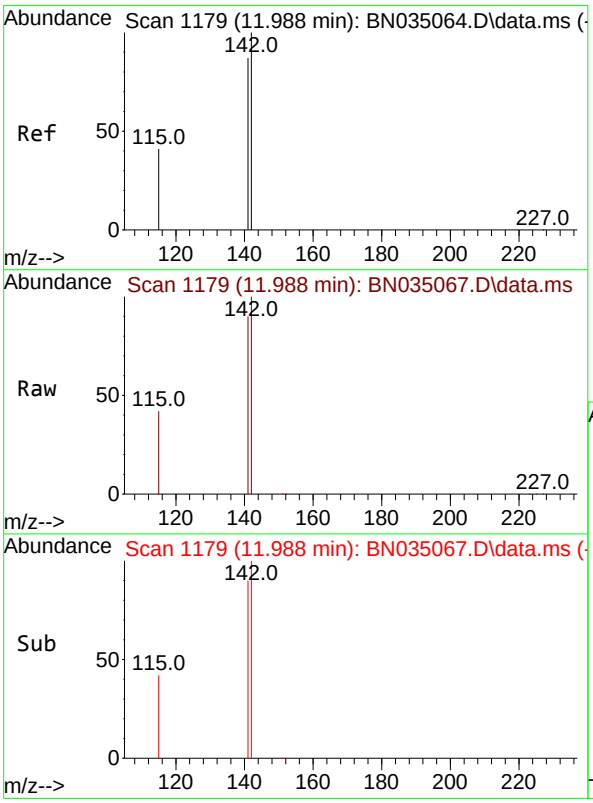
Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations
APPROVED

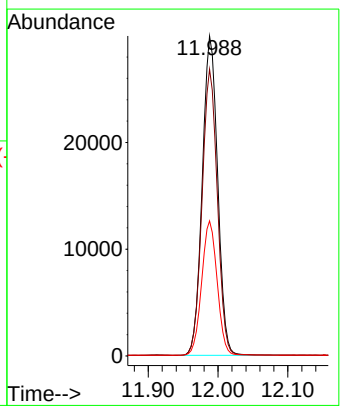
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

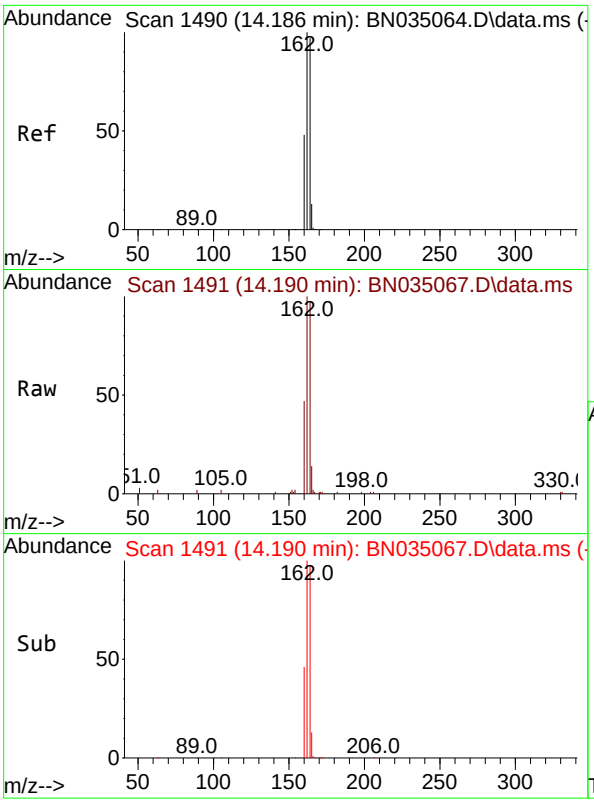


#12
2-Methylnaphthalene
Concen: 3.176 ng
RT: 11.988 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:142 Resp: 45806

Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.1	105.1
115	42.2	34.4	51.6

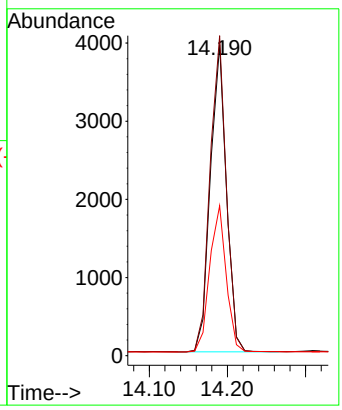




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.190 min Scan# 14
Delta R.T. 0.004 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:164 Resp: 559

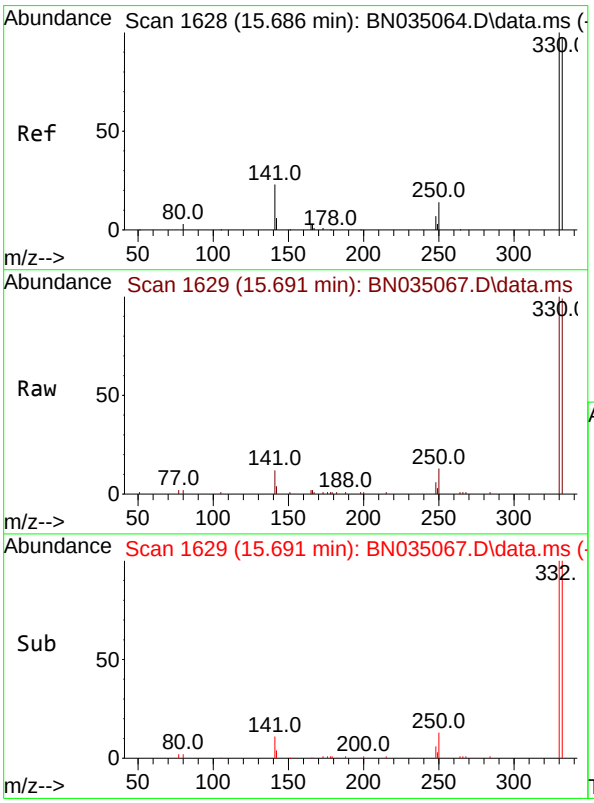
Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.2	123.2
160	48.2	40.2	60.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations
APPROVED

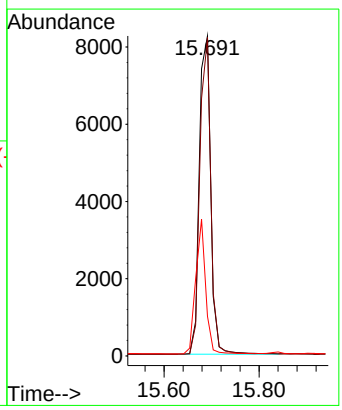
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

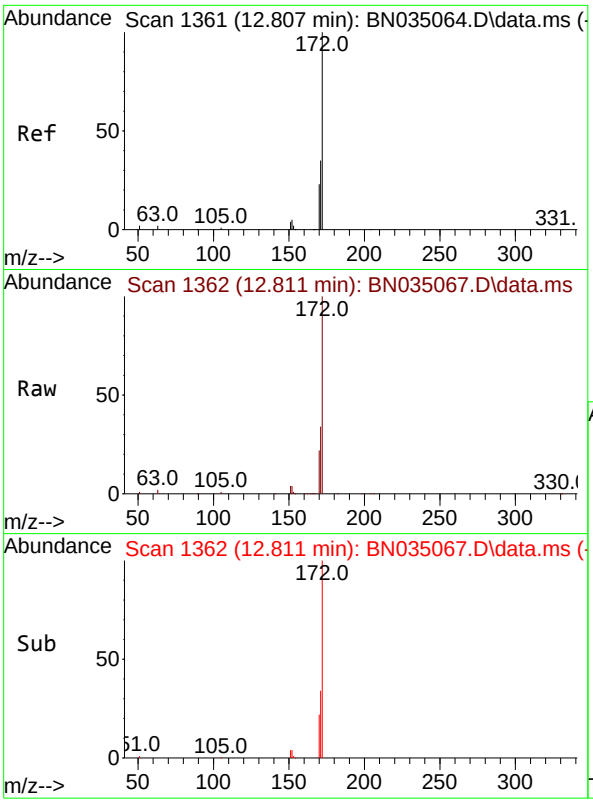


#14
2,4,6-Tribromophenol
Concen: 3.417 ng
RT: 15.691 min Scan# 1629
Delta R.T. 0.005 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:330 Resp: 13778

Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.9	115.3
141	36.6	29.6	44.4

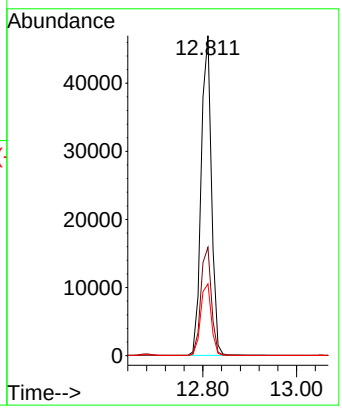




#15
2-Fluorobiphenyl
Concen: 3.150 ng
RT: 12.811 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:172 Resp: 7154

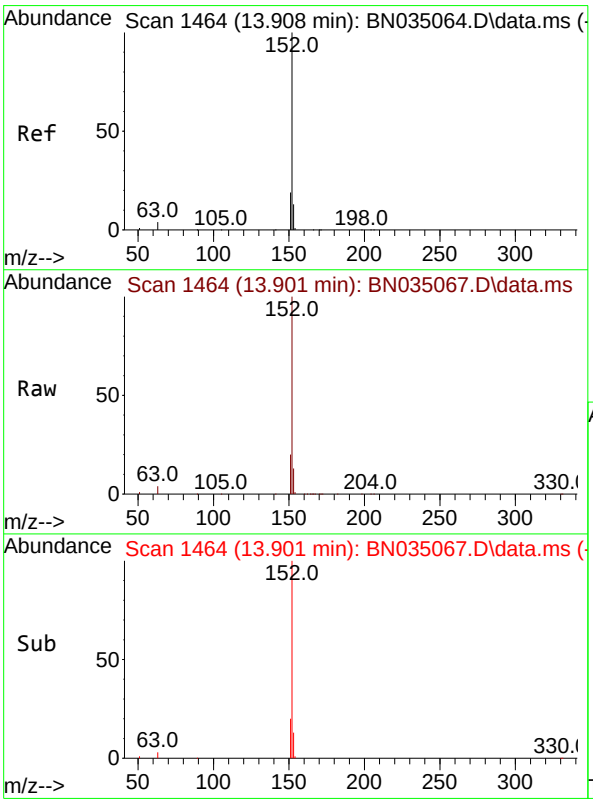
Ion	Ratio	Lower	Upper
172	100		
171	33.9	28.2	42.4
170	22.5	19.0	28.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations APPROVED

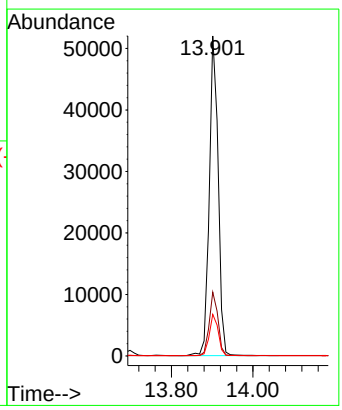
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

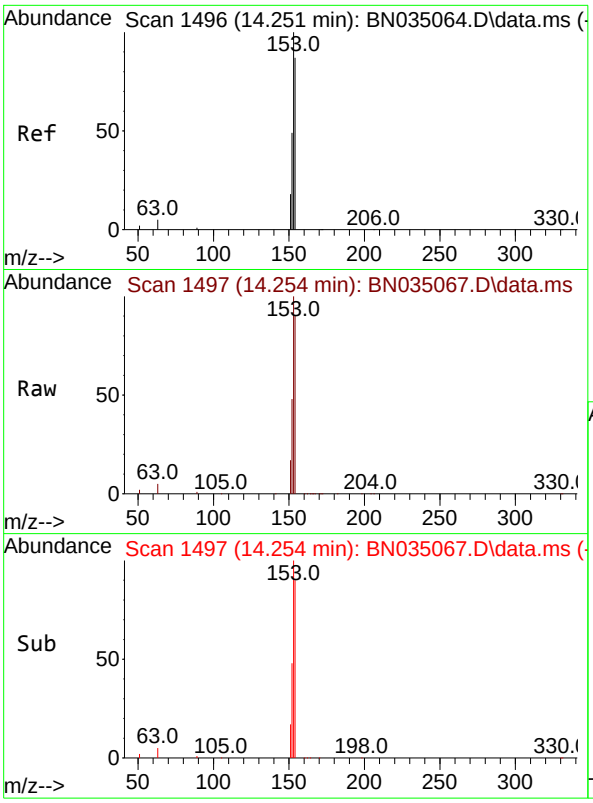


#16
Acenaphthylene
Concen: 3.286 ng
RT: 13.901 min Scan# 1464
Delta R.T. -0.007 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:152 Resp: 78553

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.8
153	13.0	10.2	15.4

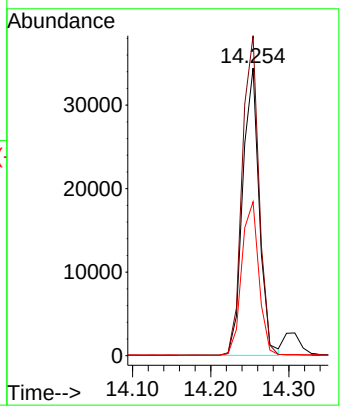




#17
Acenaphthene
Concen: 3.227 ng
RT: 14.254 min Scan# 14
Delta R.T. 0.004 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:154 Resp: 5054

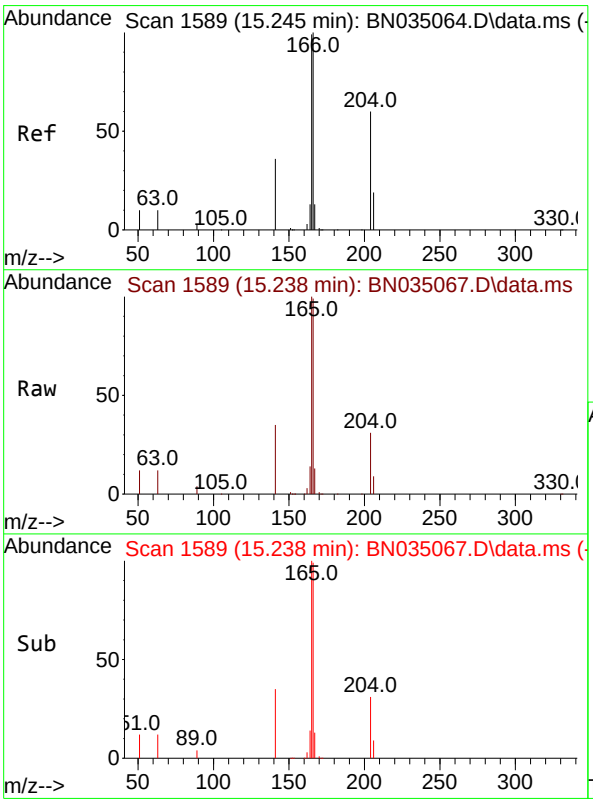
Ion	Ratio	Lower	Upper
154	100		
153	112.9	91.6	137.4
152	55.6	45.8	68.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations
APPROVED

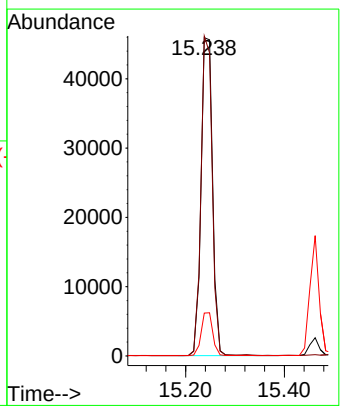
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

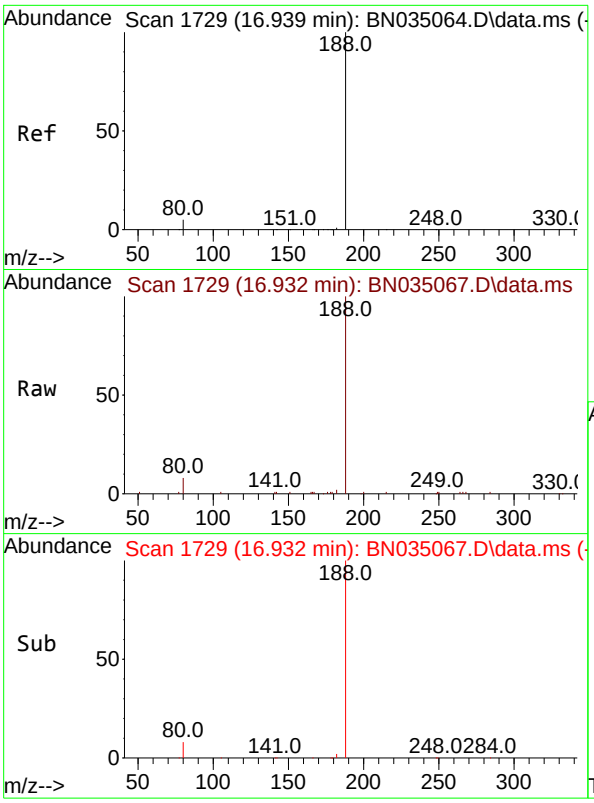


#18
Fluorene
Concen: 3.215 ng
RT: 15.238 min Scan# 1589
Delta R.T. -0.007 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:166 Resp: 74092

Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.1	118.7
167	13.5	10.6	16.0

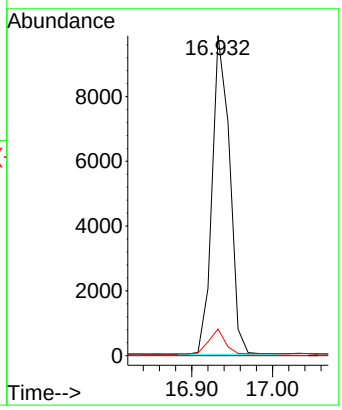




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.932 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:188 Resp: 1486

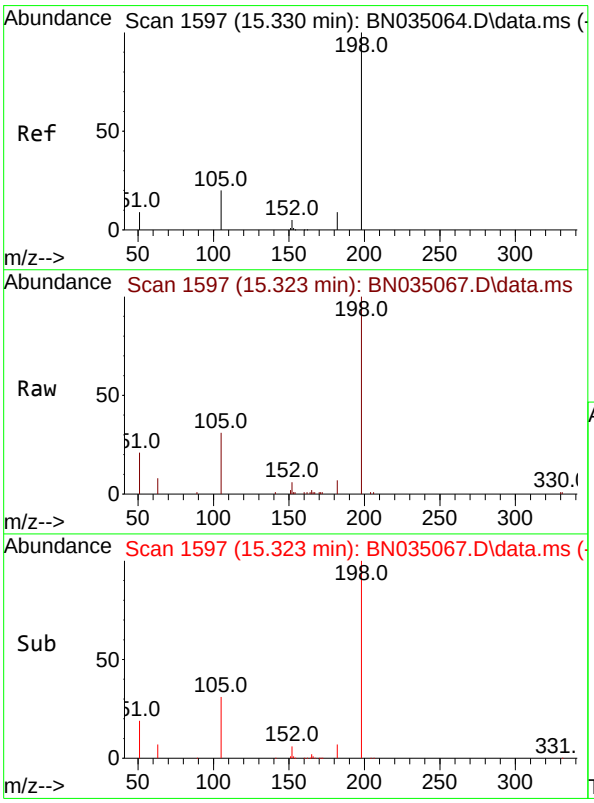
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.3	4.3	6.5#



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations
APPROVED

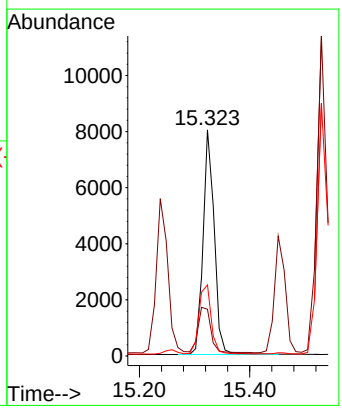
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

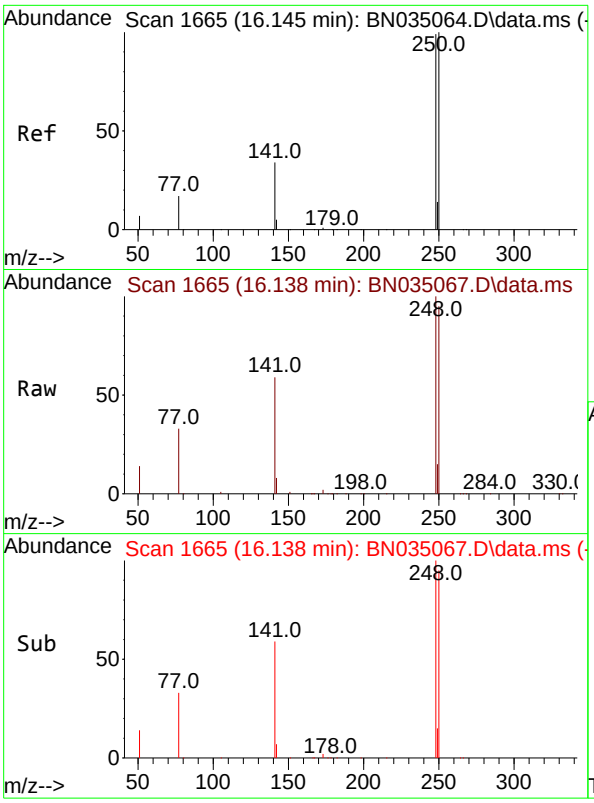


#20
4,6-Dinitro-2-methylphenol
Concen: 3.661 ng
RT: 15.323 min Scan# 1597
Delta R.T. -0.007 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:198 Resp: 11328

Ion	Ratio	Lower	Upper
198	100		
51	20.6	29.9	44.9#
105	31.4	23.7	35.5

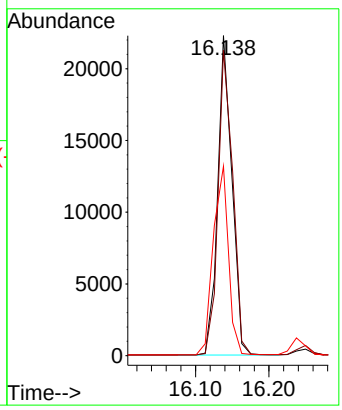




#21
4-Bromophenyl-phenylether
Concen: 3.169 ng
RT: 16.138 min Scan# 1(
Delta R.T. -0.007 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:248 Resp: 3001

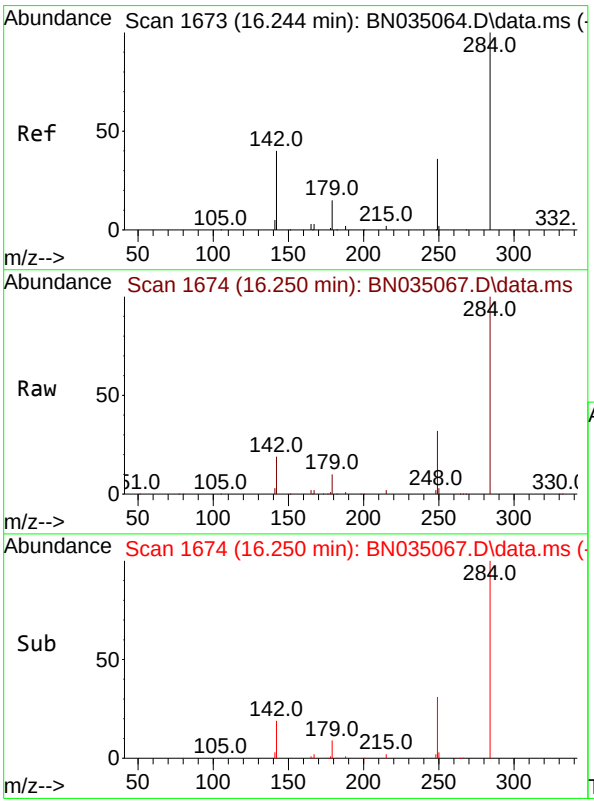
Ion	Ratio	Lower	Upper
248	100		
250	95.4	81.2	121.8
141	59.2	29.1	43.7



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations
APPROVED

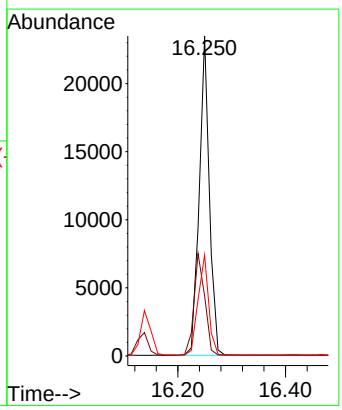
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

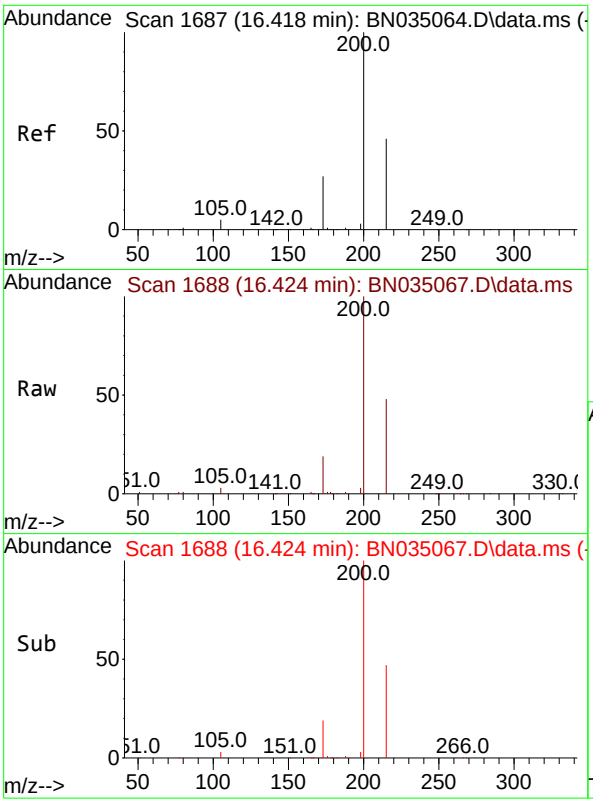


#22
Hexachlorobenzene
Concen: 3.117 ng
RT: 16.250 min Scan# 1674
Delta R.T. 0.005 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:284 Resp: 30635

Ion	Ratio	Lower	Upper
284	100		
142	33.9	28.2	42.4
249	32.8	26.2	39.2

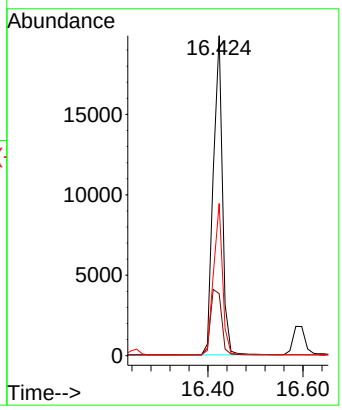




#23
Atrazine
Concen: 3.127 ng
RT: 16.424 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

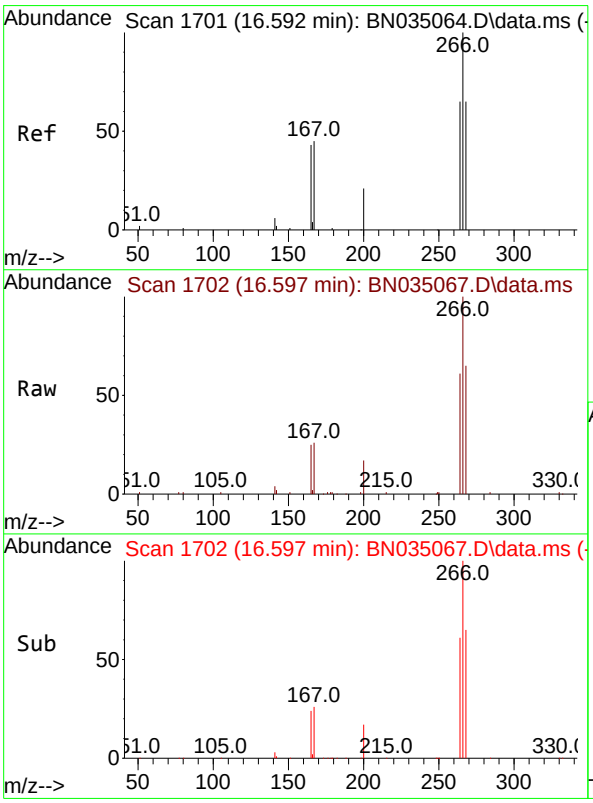
Tgt Ion:200 Resp: 2656

Ion	Ratio	Lower	Upper
200	100		
173	19.4	22.6	33.8
215	47.5	37.8	56.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

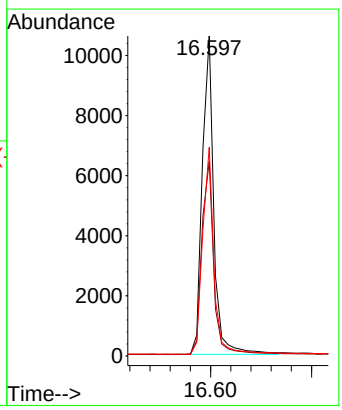
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

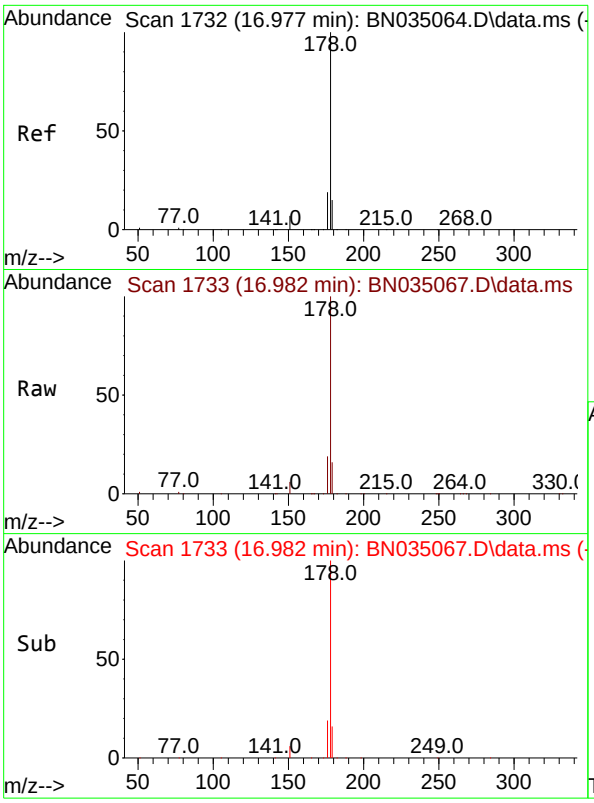


#24
Pentachlorophenol
Concen: 3.656 ng
RT: 16.597 min Scan# 1702
Delta R.T. 0.005 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:266 Resp: 16789

Ion	Ratio	Lower	Upper
266	100		
264	62.8	49.4	74.0
268	64.0	52.6	79.0

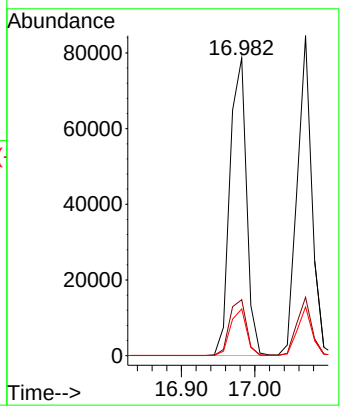




#25
Phenanthrene
Concen: 3.144 ng
RT: 16.982 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:178 Resp: 12300

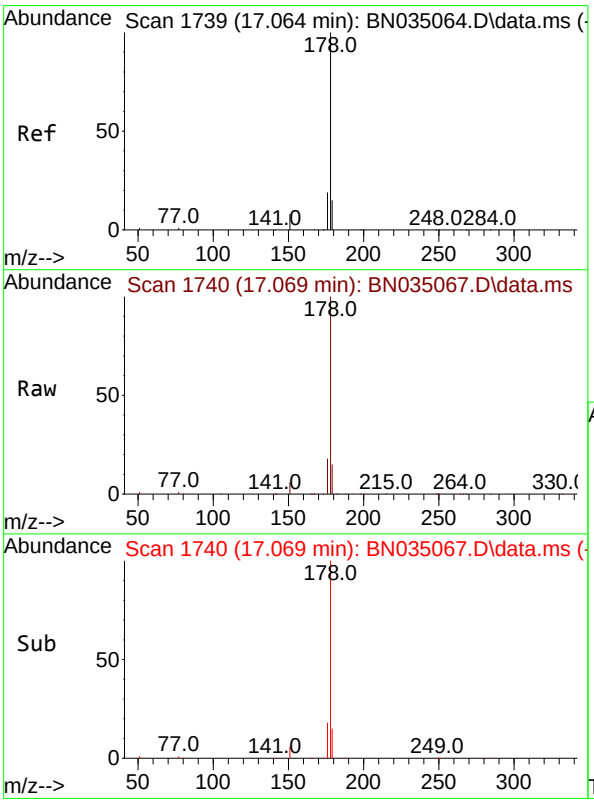
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.2	22.8
179	15.3	12.6	18.8



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations APPROVED

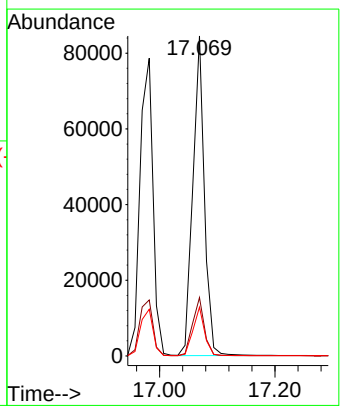
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

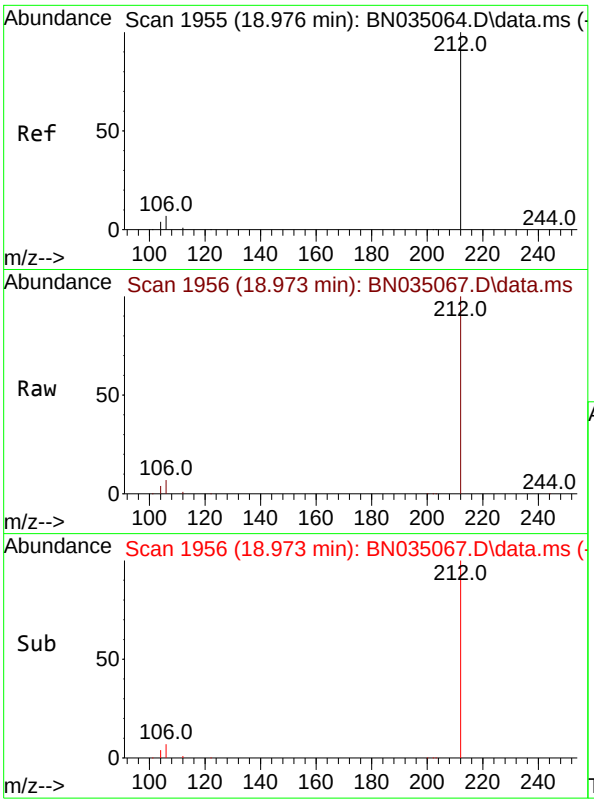


#26
Anthracene
Concen: 3.265 ng
RT: 17.069 min Scan# 1740
Delta R.T. 0.005 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:178 Resp: 117301

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	22.0
179	15.2	12.2	18.2

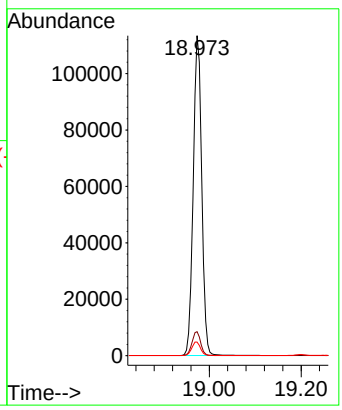




#27
Fluoranthene-d10
Concen: 3.191 ng
RT: 18.973 min Scan# 1
Delta R.T. -0.002 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:212 Resp: 14532

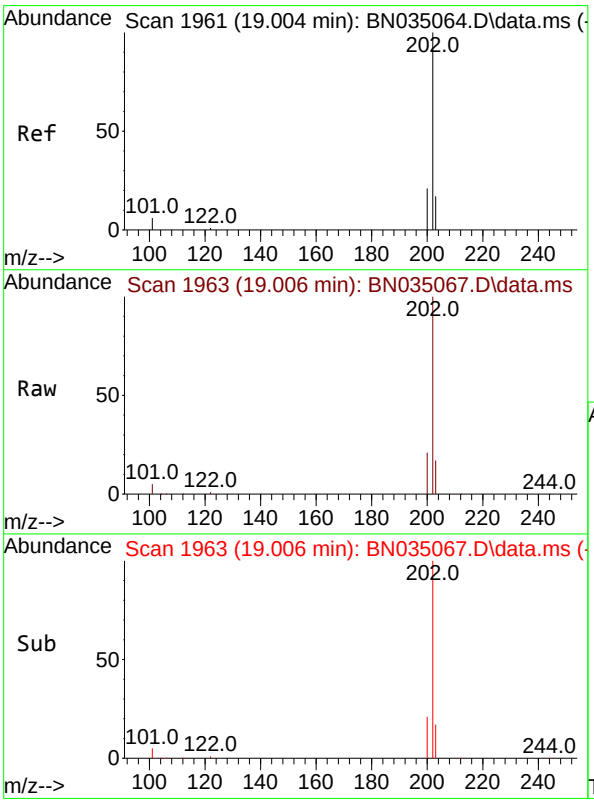
Ion	Ratio	Lower	Upper
212	100		
106	7.5	6.0	9.0
104	4.3	3.5	5.3



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations APPROVED

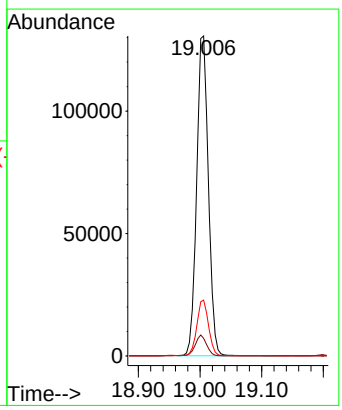
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

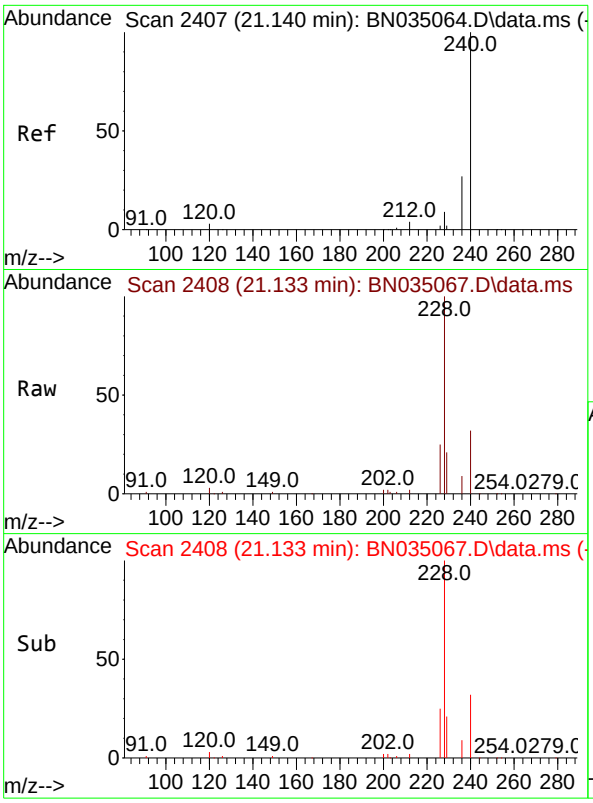


#28
Fluoranthene
Concen: 3.212 ng
RT: 19.006 min Scan# 1963
Delta R.T. 0.002 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:202 Resp: 172759

Ion	Ratio	Lower	Upper
202	100		
101	6.4	5.2	7.8
203	17.3	13.8	20.8





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.133 min Scan# 24
Delta R.T. -0.007 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

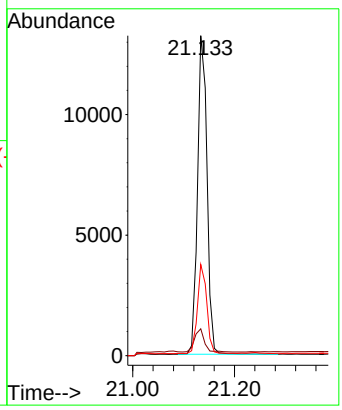
Tgt Ion:240 Resp: 1709

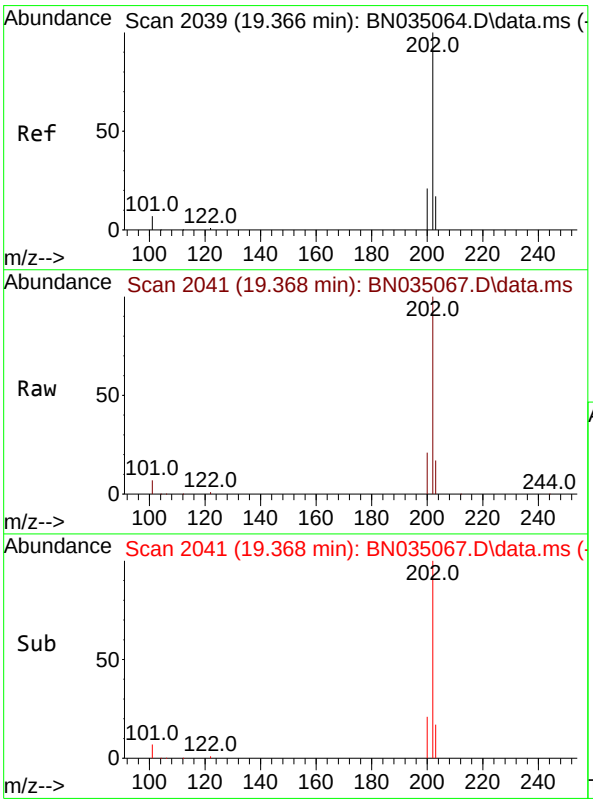
Ion	Ratio	Lower	Upper
240	100		
120	8.4	3.8	5.6
236	28.5	22.2	33.2

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

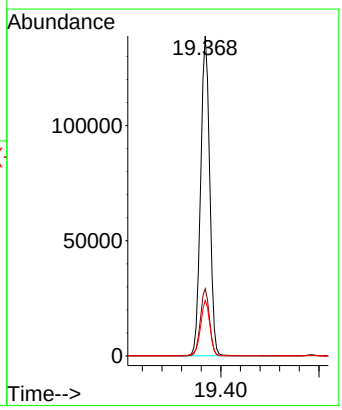


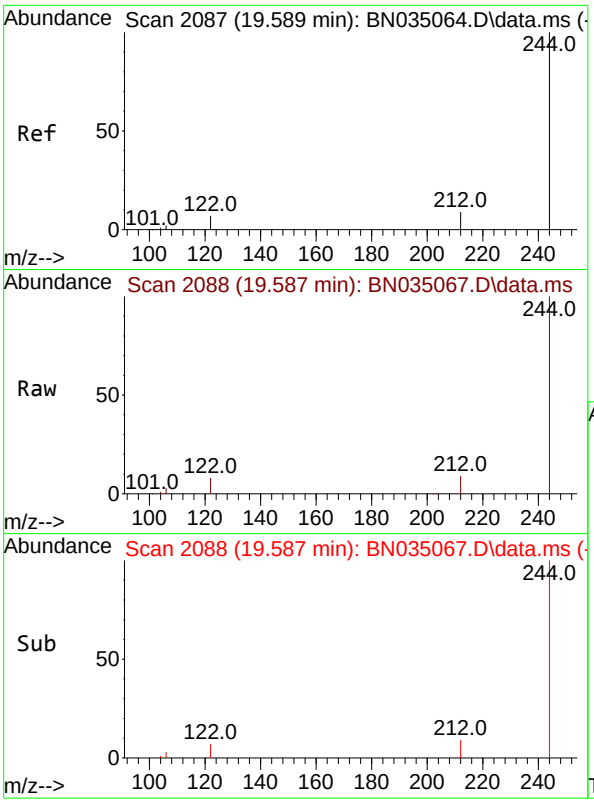


#30
Pyrene
Concen: 3.125 ng
RT: 19.368 min Scan# 2041
Delta R.T. 0.002 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:202 Resp: 177937

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.8	14.2	21.4

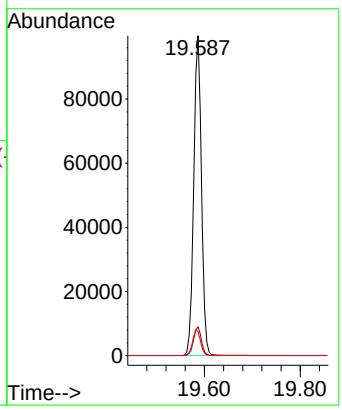




#31
Terphenyl-d14
Concen: 3.115 ng
RT: 19.587 min Scan# 2
Delta R.T. -0.002 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:244 Resp: 11173

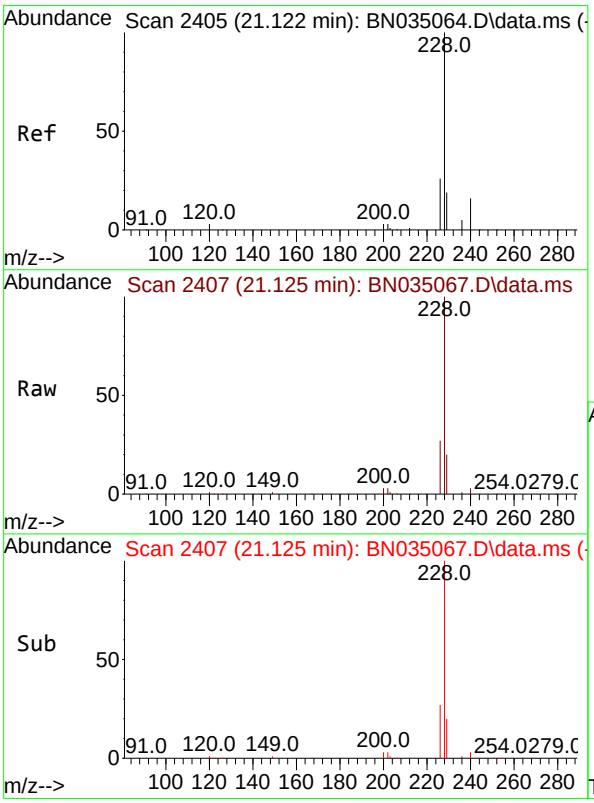
Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.6	11.4
122	7.6	6.1	9.1



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations APPROVED

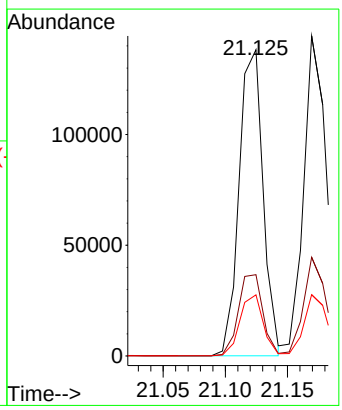
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

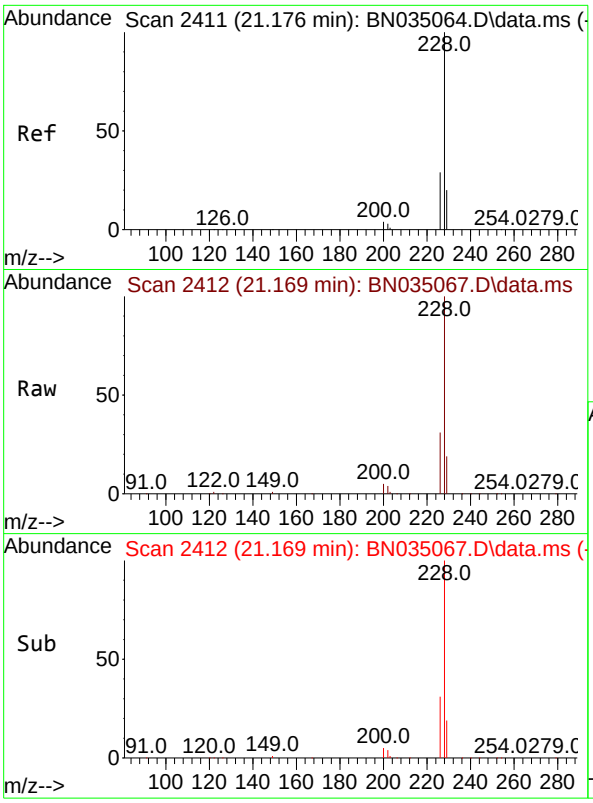


#32
Benzo(a)anthracene
Concen: 3.114 ng
RT: 21.125 min Scan# 2407
Delta R.T. 0.002 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:228 Resp: 185345

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.4	32.0
229	20.0	15.7	23.5

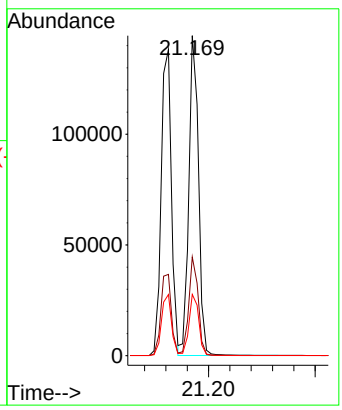




#33
Chrysene
Concen: 3.087 ng
RT: 21.169 min Scan# 24
Delta R.T. -0.007 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:228 Resp: 18205

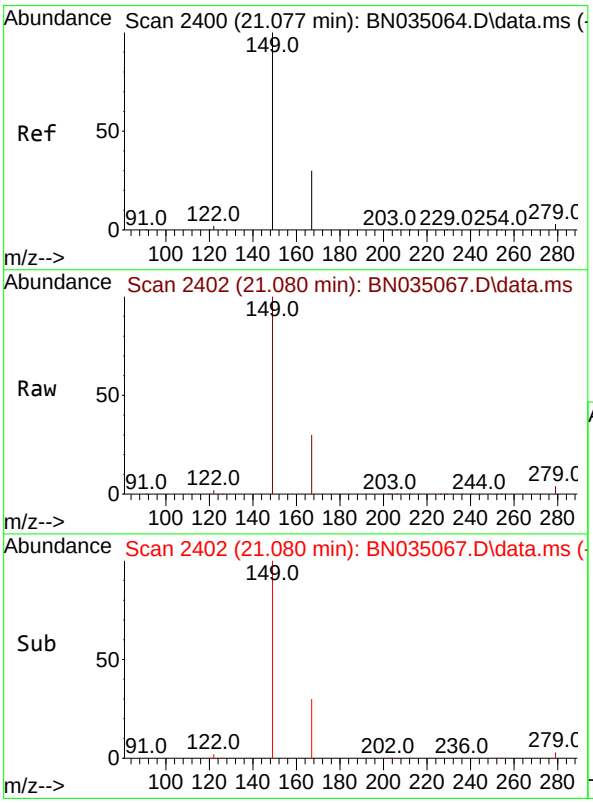
Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.7	35.5
229	19.1	16.2	24.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations
APPROVED

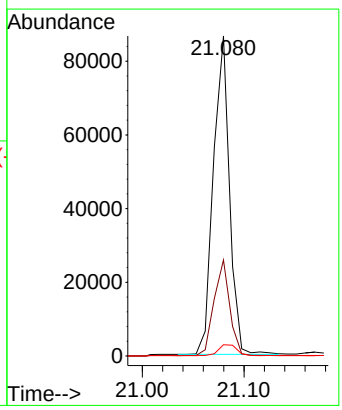
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

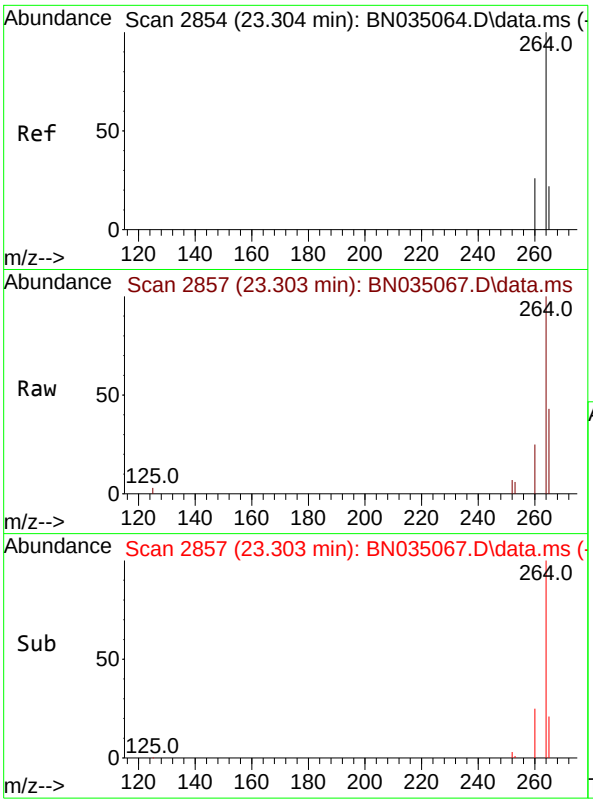


#34
Bis(2-ethylhexyl)phthalate
Concen: 3.061 ng
RT: 21.080 min Scan# 2402
Delta R.T. 0.002 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:149 Resp: 94826

Ion	Ratio	Lower	Upper
149	100		
167	29.3	23.2	34.8
279	3.9	3.2	4.8

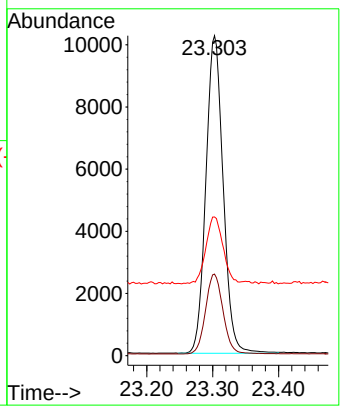




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.303 min Scan# 2
Delta R.T. -0.001 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:264 Resp: 1858

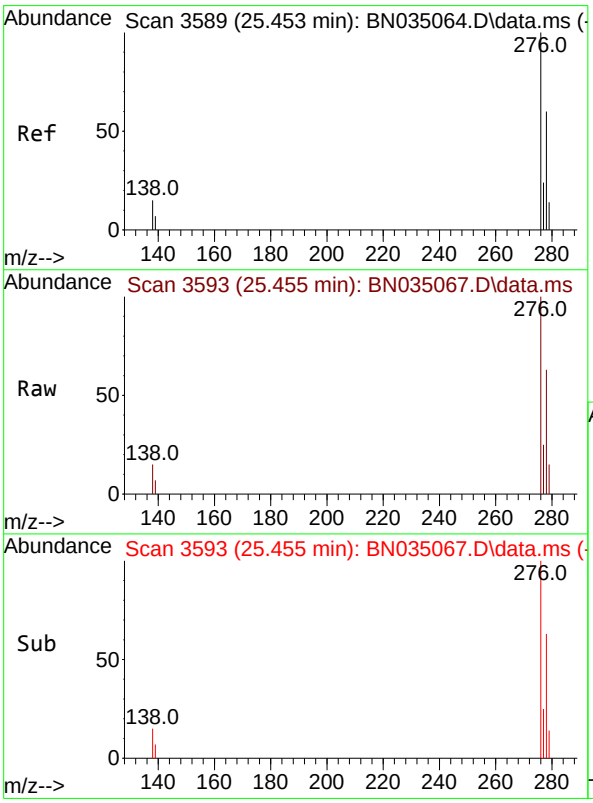
Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.9	31.3
265	43.4	35.4	53.2



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations
APPROVED

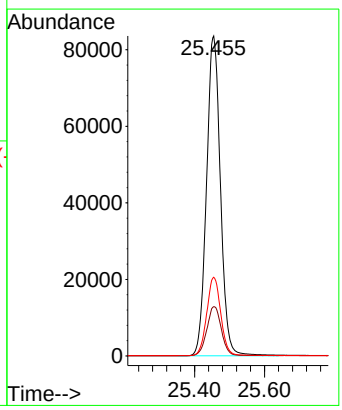
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

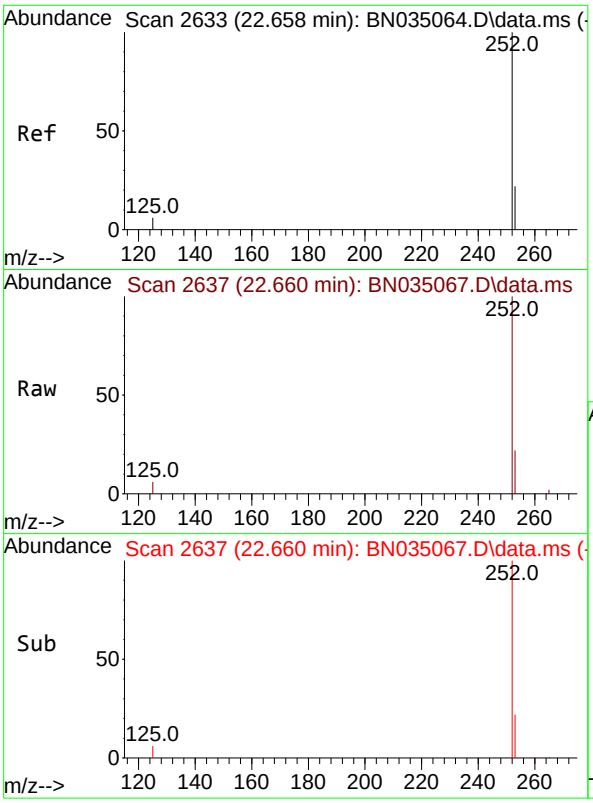


#36
Indeno(1,2,3-cd)pyrene
Concen: 3.108 ng
RT: 25.455 min Scan# 3593
Delta R.T. 0.002 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:276 Resp: 230419

Ion	Ratio	Lower	Upper
276	100		
138	16.0	13.0	19.4
277	24.8	19.8	29.6

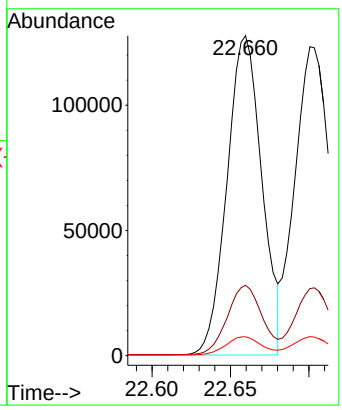




#37
Benzo(b)fluoranthene
Concen: 3.155 ng m
RT: 22.660 min Scan# 2
Delta R.T. 0.002 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:252 Resp: 19725

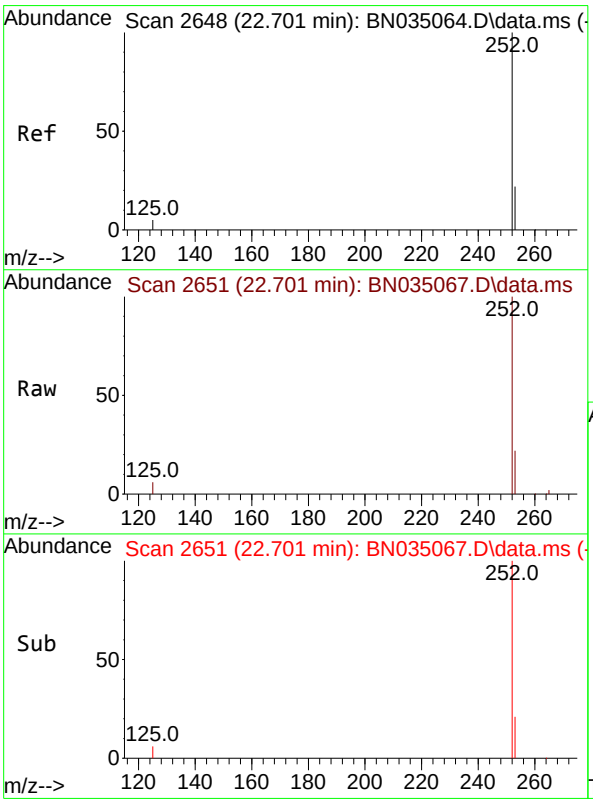
Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.3	28.9
125	5.9	6.2	9.2#



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations APPROVED

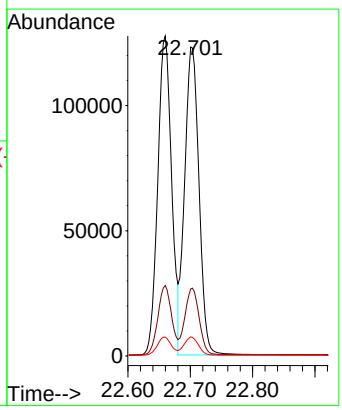
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

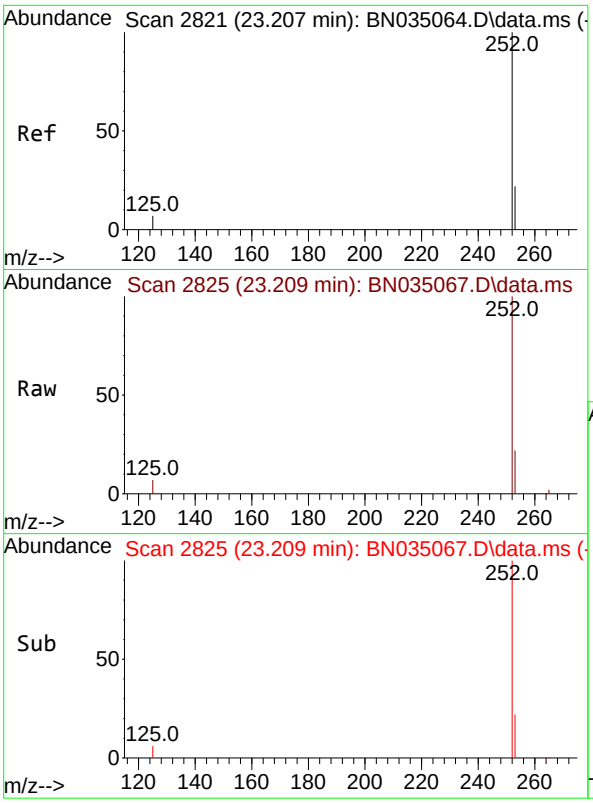


#38
Benzo(k)fluoranthene
Concen: 3.144 ng
RT: 22.701 min Scan# 2651
Delta R.T. -0.001 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:252 Resp: 196686

Ion	Ratio	Lower	Upper
252	100		
253	21.7	19.5	29.3
125	6.2	6.5	9.7#

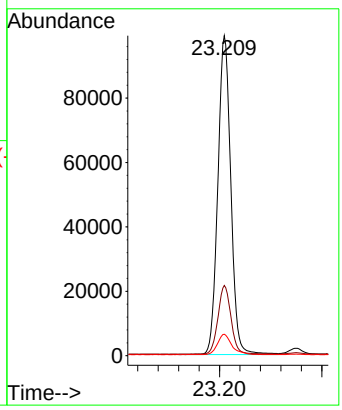




#39
Benzo(a)pyrene
Concen: 3.155 ng
RT: 23.209 min Scan# 2
Delta R.T. 0.002 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:252 Resp: 17354

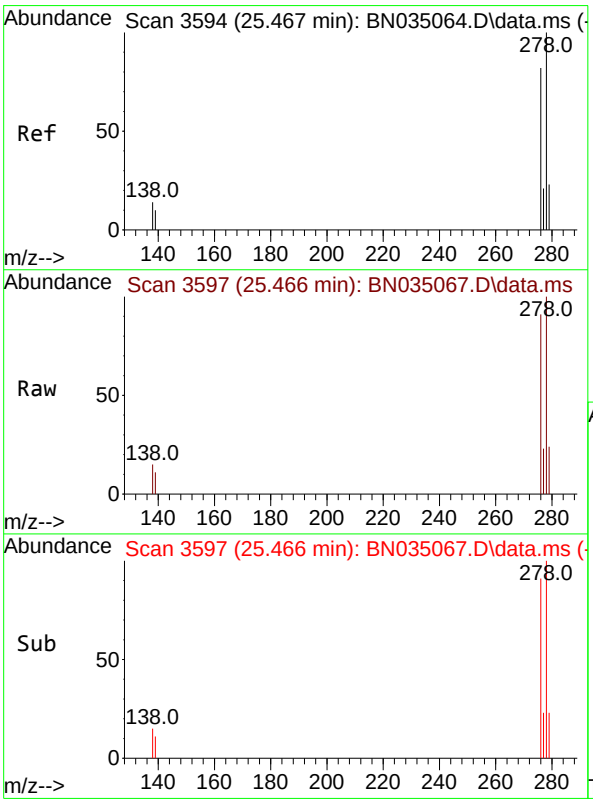
Ion	Ratio	Lower	Upper
252	100		
253	22.0	20.1	30.1
125	6.7	7.5	11.3#



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations APPROVED

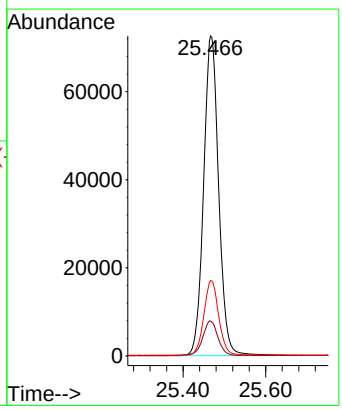
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

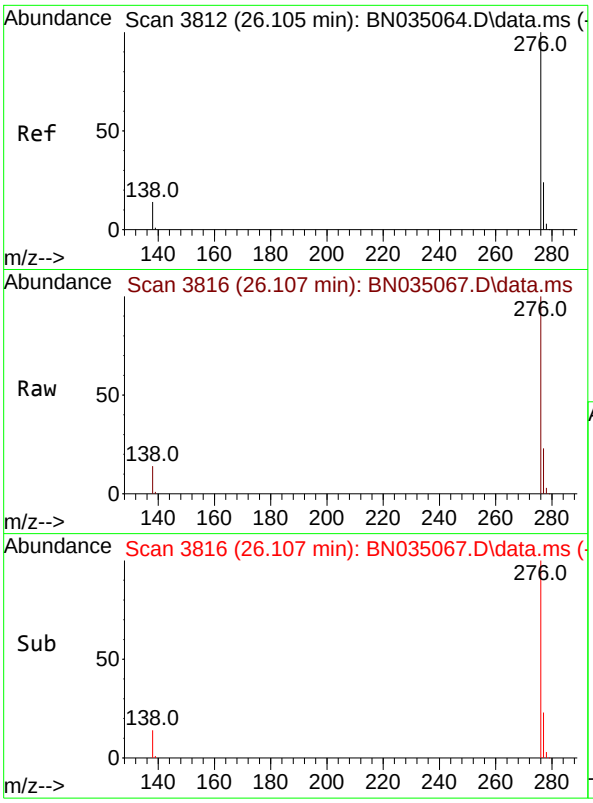


#40
Dibenzo(a,h)anthracene
Concen: 3.127 ng
RT: 25.466 min Scan# 3597
Delta R.T. -0.001 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:278 Resp: 183641

Ion	Ratio	Lower	Upper
278	100		
139	10.9	9.3	13.9
279	23.6	19.7	29.5

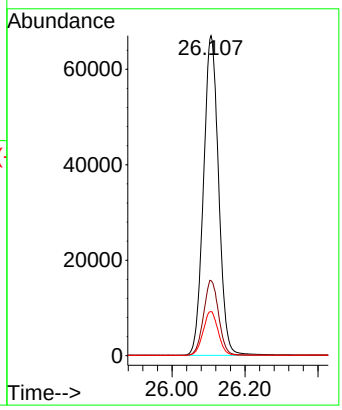




#41
Benzo(g,h,i)perylene
Concen: 3.079 ng
RT: 26.107 min Scan# 3
Delta R.T. 0.002 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:276 Resp: 19234

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.9	29.9
138	13.8	11.6	17.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035068.D
Acq On : 13 Nov 2024 16:15
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Nov 13 16:45:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 16:42:01 2024
Response via : Initial Calibration

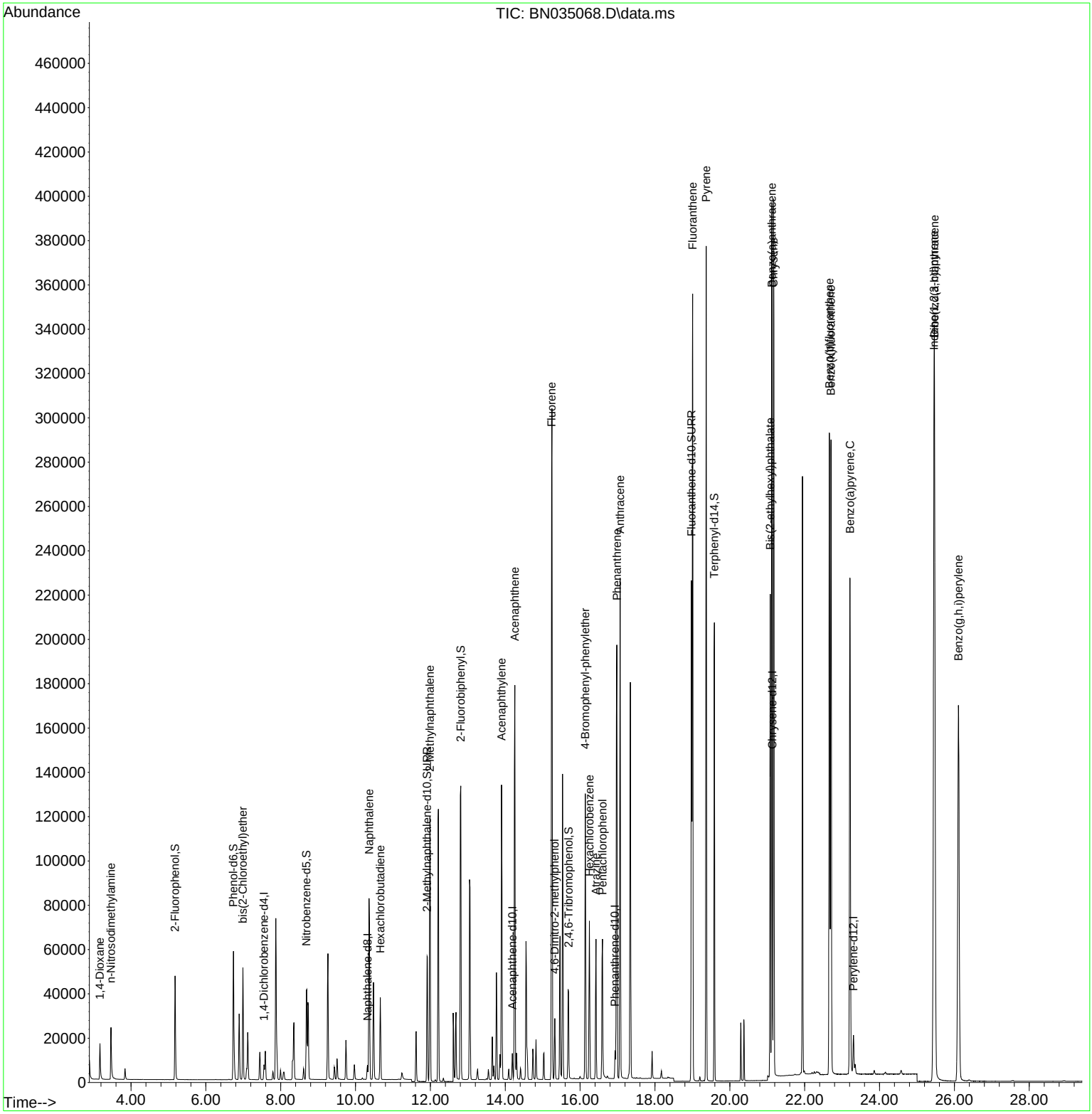
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.553	152	3163	0.400	ng		0.00
7) Naphthalene-d8	10.319	136	8134	0.400	ng		0.00
13) Acenaphthene-d10	14.190	164	6225	0.400	ng		0.00
19) Phenanthrene-d10	16.932	188	16809	0.400	ng	#	0.00
29) Chrysene-d12	21.133	240	19216	0.400	ng	#	0.00
35) Perylene-d12	23.303	264	20465	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	37993	4.732	ng		0.00
5) Phenol-d6	6.737	99	50689	5.035	ng		0.00
8) Nitrobenzene-d5	8.685	82	35941	5.091	ng		-0.01
11) 2-Methylnaphthalene-d10	11.912	152	74330	5.128	ng		0.00
14) 2,4,6-Tribromophenol	15.691	330	25763	5.740	ng		0.00
15) 2-Fluorobiphenyl	12.811	172	125581	4.967	ng		0.00
27) Fluoranthene-d10	18.973	212	260540	5.059	ng		0.00
31) Terphenyl-d14	19.587	244	199585	4.950	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.169	88	13024	4.533	ng		99
3) n-Nitrosodimethylamine	3.465	42	12737	4.774	ng	#	94
6) bis(2-Chloroethyl)ether	6.990	93	36728	4.860	ng		99
9) Naphthalene	10.361	128	104370	4.914	ng		97
10) Hexachlorobutadiene	10.660	225	29615	4.757	ng	#	99
12) 2-Methylnaphthalene	11.988	142	80182	5.118	ng		98
16) Acenaphthylene	13.901	152	139668	5.250	ng		100
17) Acenaphthene	14.254	154	89181	5.115	ng		98
18) Fluorene	15.238	166	129071	5.033	ng		99
20) 4,6-Dinitro-2-methylph...	15.323	198	22059	6.304	ng	#	82
21) 4-Bromophenyl-phenylether	16.138	248	52850	4.935	ng	#	85
22) Hexachlorobenzene	16.250	284	54126	4.870	ng		99
23) Atrazine	16.423	200	47349	4.928	ng	#	93
24) Pentachlorophenol	16.597	266	32339	6.228	ng		98
25) Phenanthrene	16.982	178	217781	4.923	ng		99
26) Anthracene	17.069	178	210303	5.176	ng		100
28) Fluoranthene	19.006	202	305283	5.019	ng		100
30) Pyrene	19.368	202	316225	4.942	ng		100
32) Benzo(a)anthracene	21.124	228	335437	5.013	ng		100
33) Chrysene	21.169	228	317200	4.786	ng		97
34) Bis(2-ethylhexyl)phtha...	21.080	149	178320	5.121	ng		99
36) Indeno(1,2,3-cd)pyrene	25.455	276	405401	4.966	ng		100
37) Benzo(b)fluoranthene	22.660	252	347639	5.049	ng	#	95
38) Benzo(k)fluoranthene	22.703	252	347310	5.041	ng	#	95
39) Benzo(a)pyrene	23.209	252	308664	5.094	ng	#	93
40) Dibenzo(a,h)anthracene	25.469	278	323522	5.002	ng		98
41) Benzo(g,h,i)perylene	26.107	276	339655	4.937	ng		98

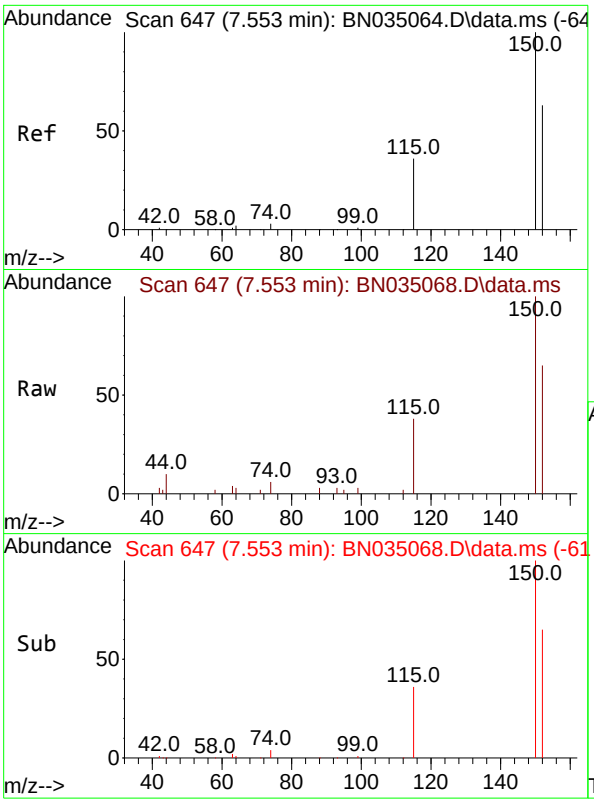
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035068.D
Acq On : 13 Nov 2024 16:15
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Nov 13 16:45:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 16:42:01 2024
Response via : Initial Calibration



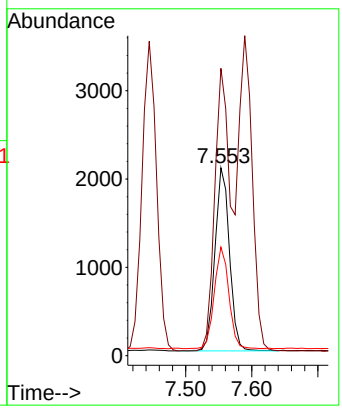


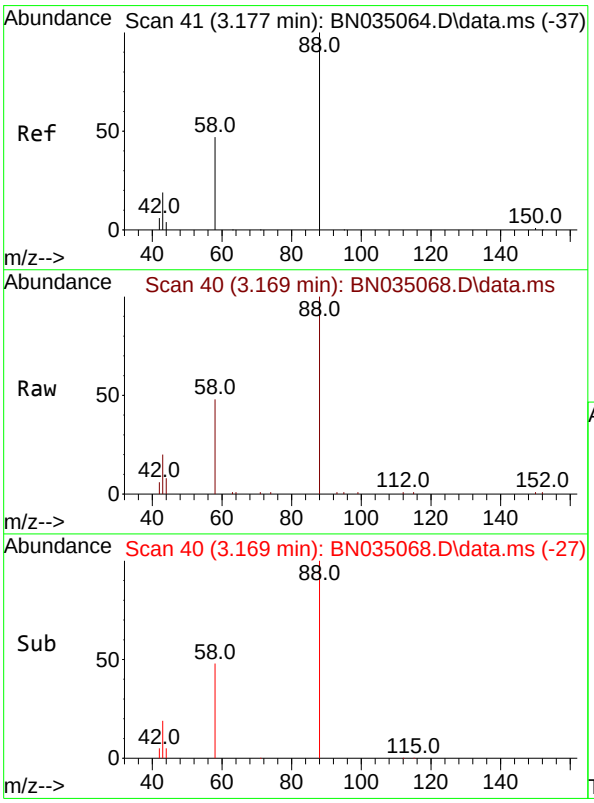
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.553 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 3163

Ion	Ratio	Lower	Upper
152	100		
150	152.9	124.5	186.7
115	57.7	47.8	71.6

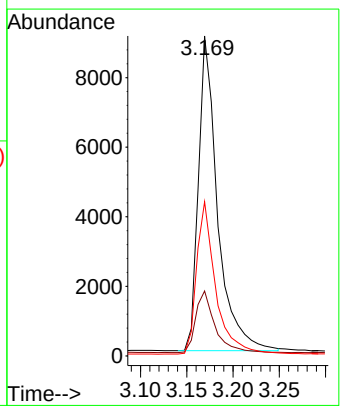


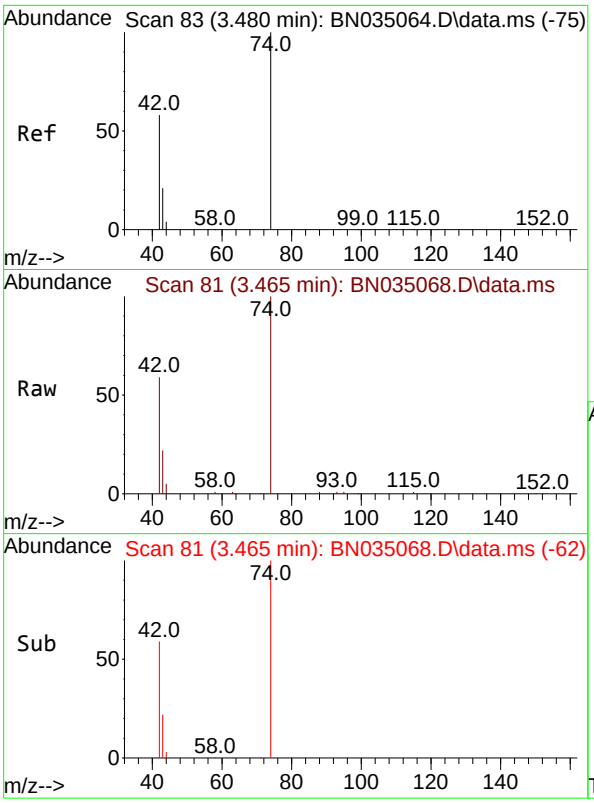


#2
1,4-Dioxane
Concen: 4.533 ng
RT: 3.169 min Scan# 40
Delta R.T. -0.007 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Tgt Ion: 88 Resp: 13024

Ion	Ratio	Lower	Upper
88	100		
43	19.6	16.9	25.3
58	48.2	39.0	58.4



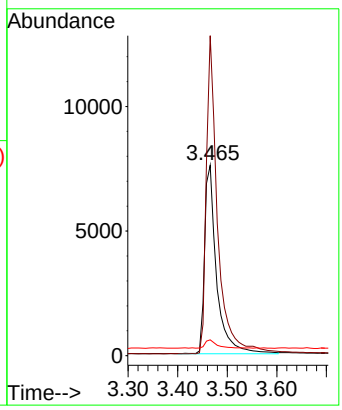


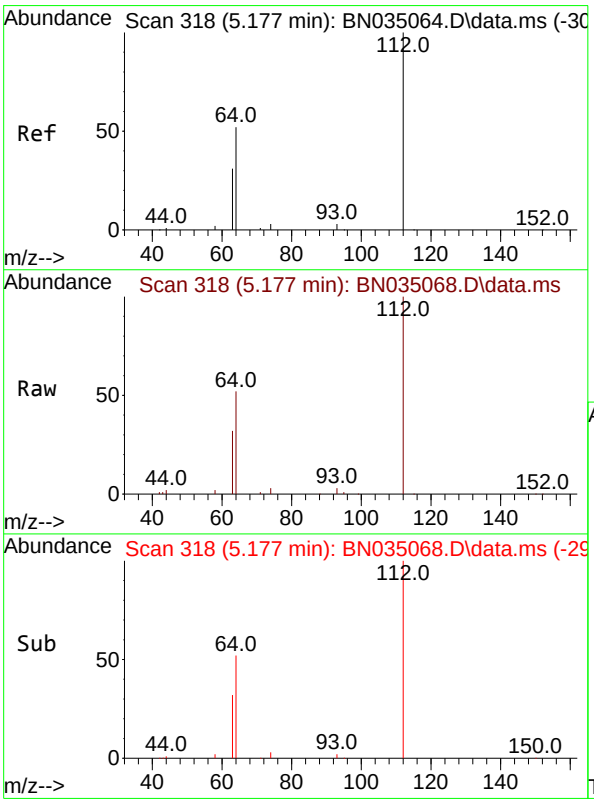
#3
n-Nitrosodimethylamine
Concen: 4.774 ng
RT: 3.465 min Scan# 8
Delta R.T. -0.015 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 12737

Ion	Ratio	Lower	Upper
42	100		
74	159.1	120.8	181.2
44	4.4	2.9	4.3#

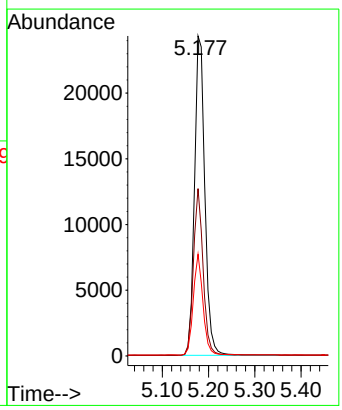


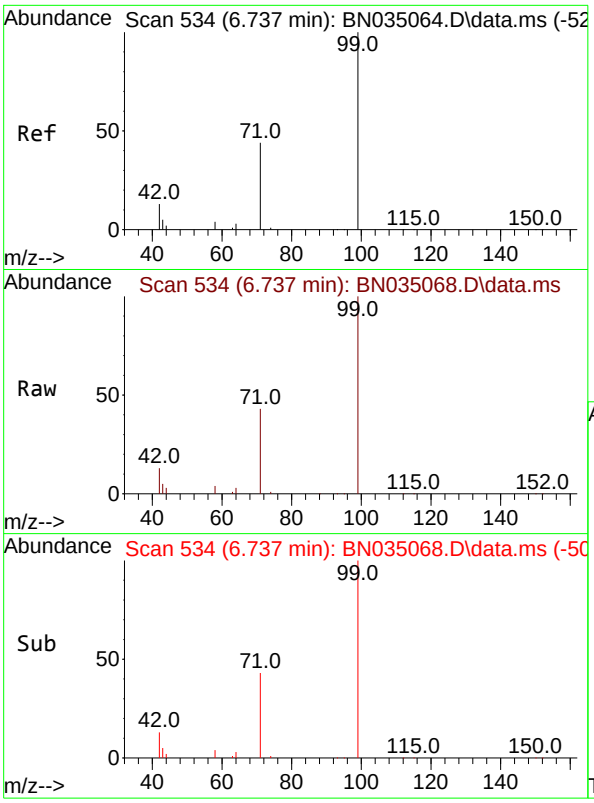


#4
2-Fluorophenol
Concen: 4.732 ng
RT: 5.177 min Scan# 318
Delta R.T. -0.000 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Tgt Ion:112 Resp: 37993

Ion	Ratio	Lower	Upper
112	100		
64	49.0	39.7	59.5
63	29.4	23.0	34.4



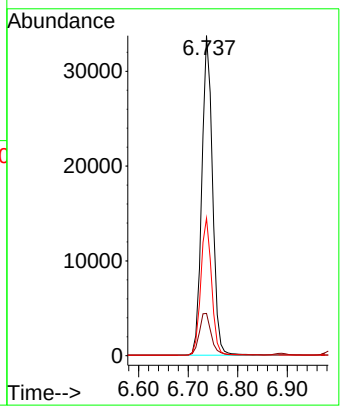


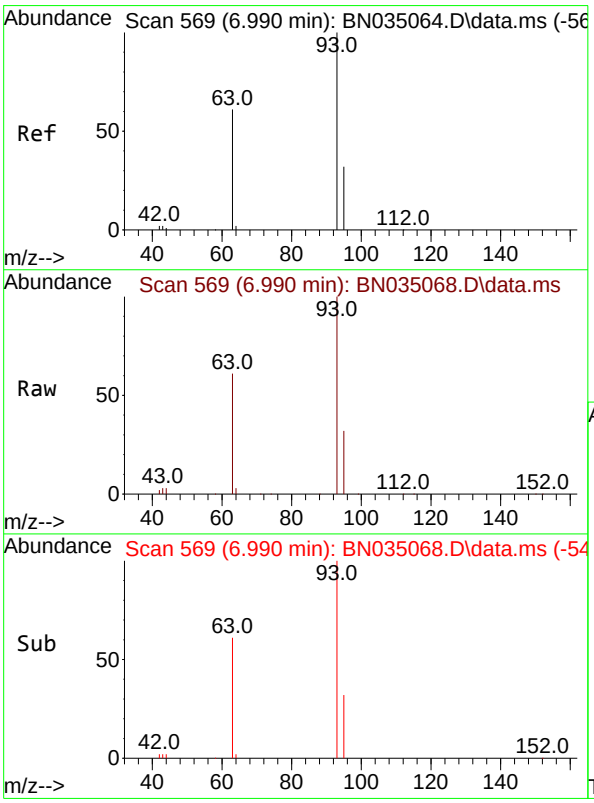
#5
Phenol-d6
Concen: 5.035 ng
RT: 6.737 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 50689

Ion	Ratio	Lower	Upper
99	100		
42	14.6	11.4	17.0
71	43.2	34.6	51.8

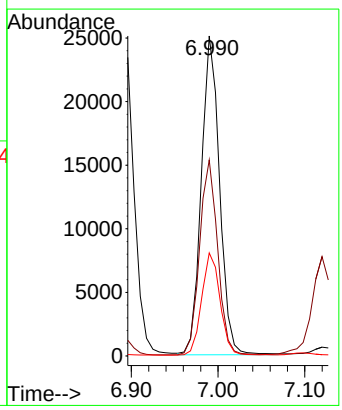


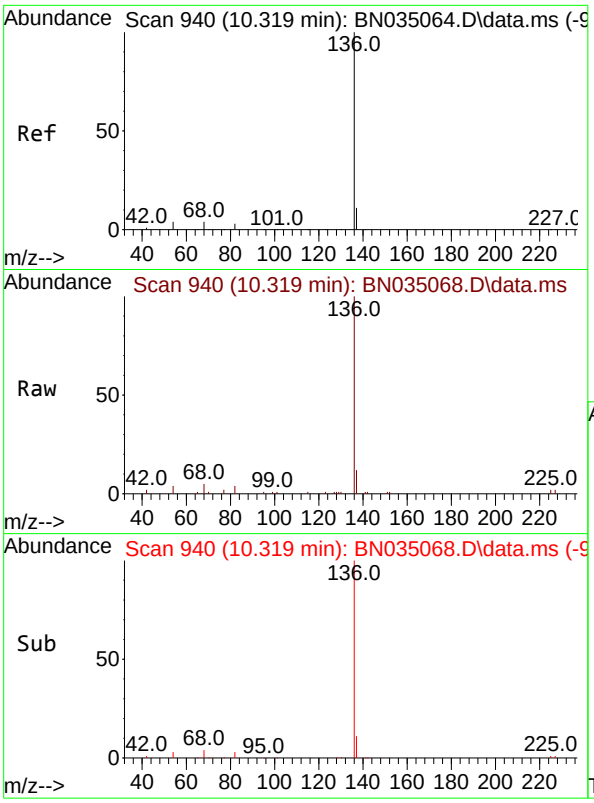


#6
bis(2-Chloroethyl)ether
Concen: 4.860 ng
RT: 6.990 min Scan# 569
Delta R.T. -0.000 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Tgt Ion: 93 Resp: 36728

Ion	Ratio	Lower	Upper
93	100		
63	60.5	47.4	71.2
95	32.3	26.2	39.4



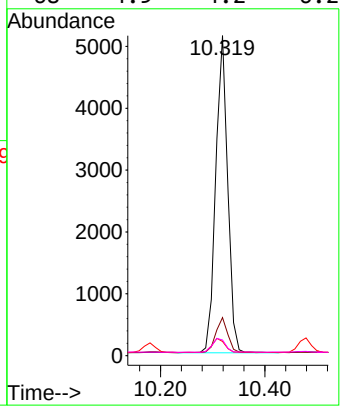


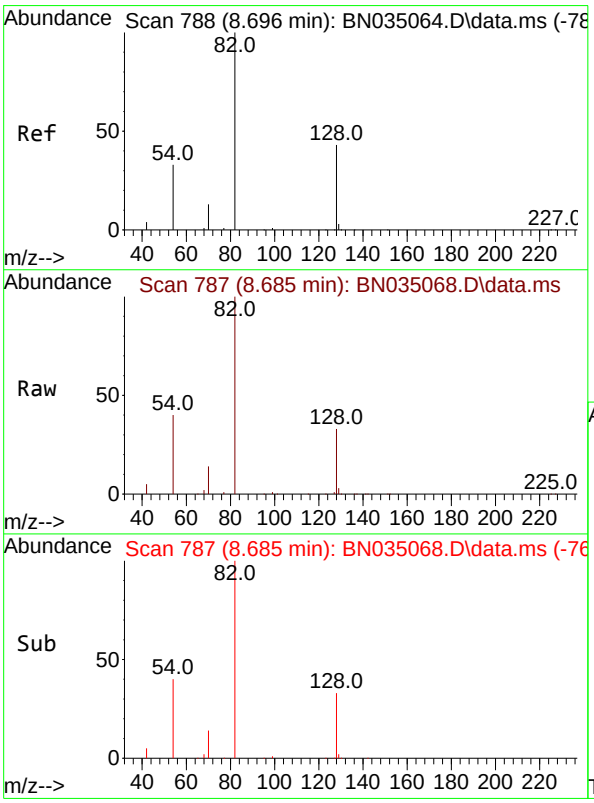
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.319 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 8134

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.8	14.8
54	4.4	4.0	6.0
68	4.9	4.2	6.2

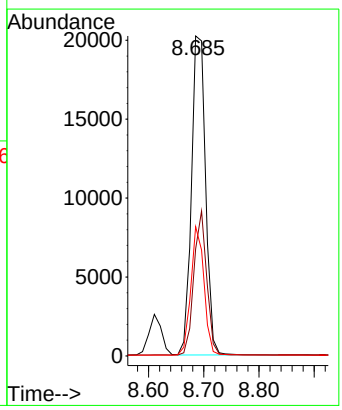


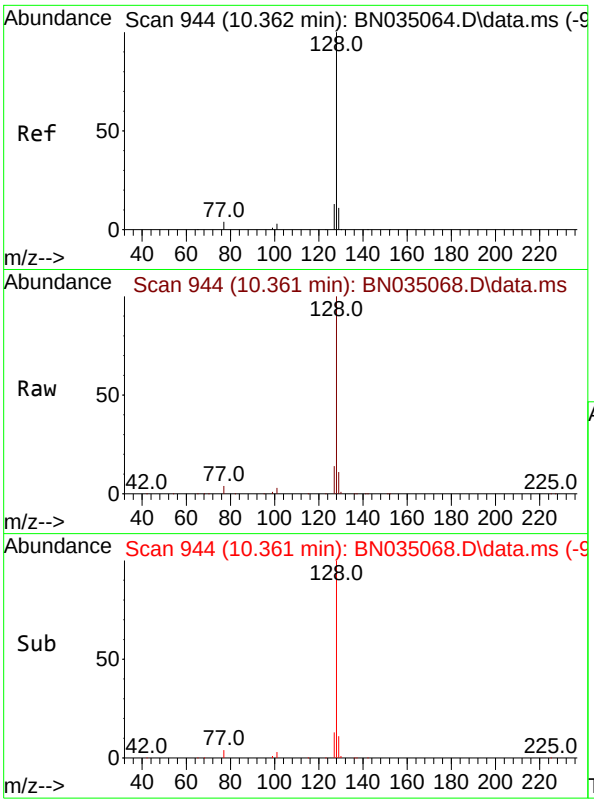


#8
Nitrobenzene-d5
Concen: 5.091 ng
RT: 8.685 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Tgt Ion: 82 Resp: 35941

Ion	Ratio	Lower	Upper
82	100		
128	33.5	36.5	54.7#
54	40.4	28.7	43.1



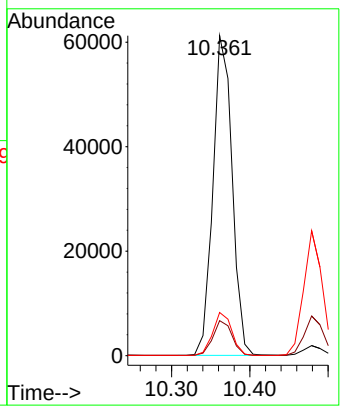


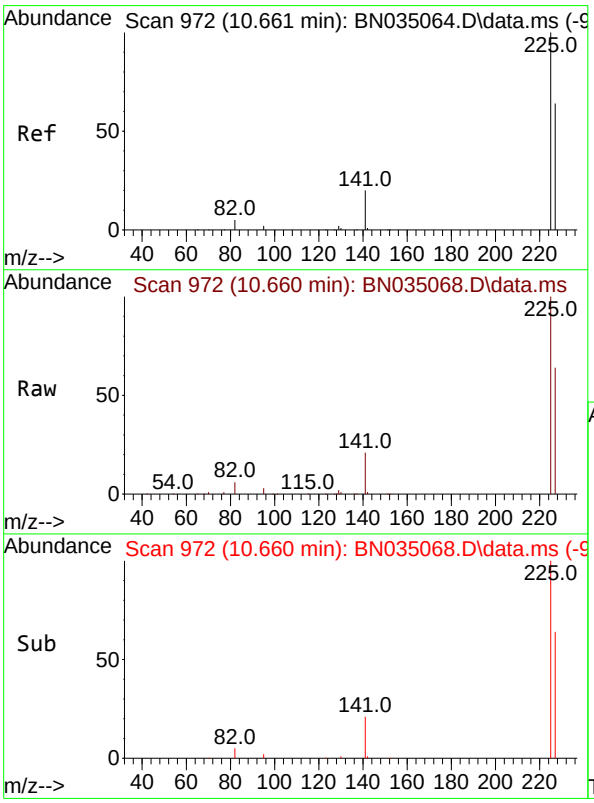
#9
Naphthalene
Concen: 4.914 ng
RT: 10.361 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 104370

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.6	14.4
127	13.5	11.6	17.4

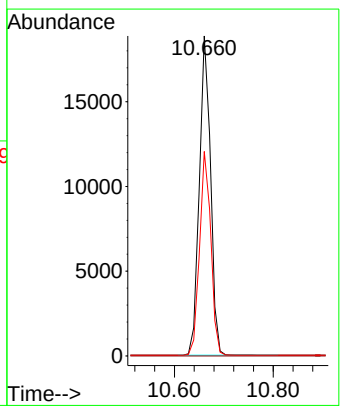


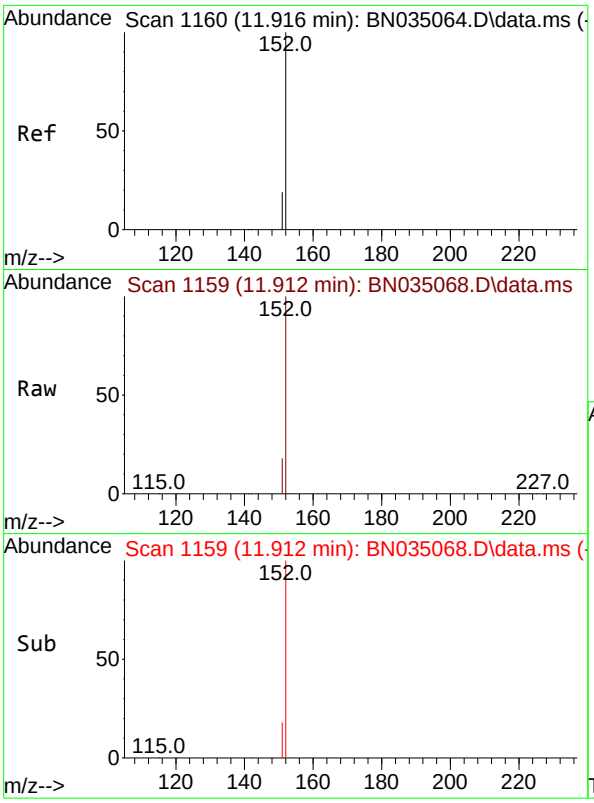


#10
Hexachlorobutadiene
Concen: 4.757 ng
RT: 10.660 min Scan# 972
Delta R.T. -0.000 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Tgt Ion:225 Resp: 29615

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.5	77.3



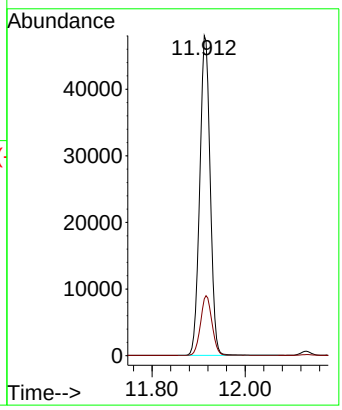


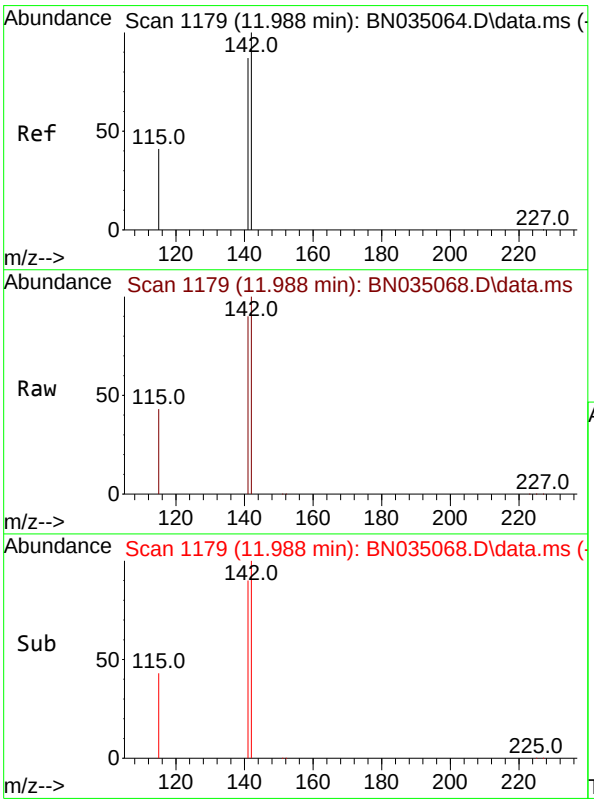
#11
2-Methylnaphthalene-d10
Concen: 5.128 ng
RT: 11.912 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 74330

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.4

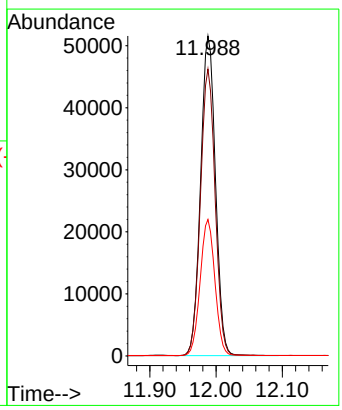


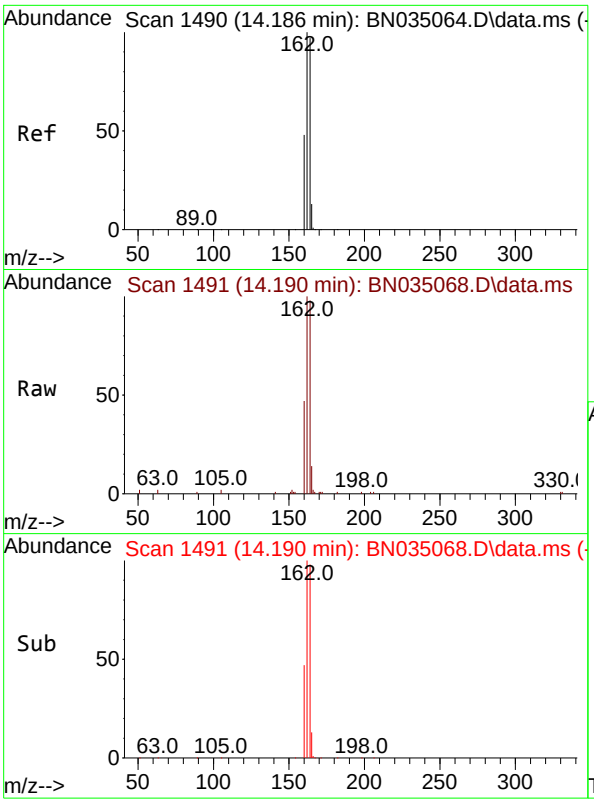


#12
2-Methylnaphthalene
Concen: 5.118 ng
RT: 11.988 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Tgt Ion:142 Resp: 80182

Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.1	105.1
115	42.7	34.4	51.6



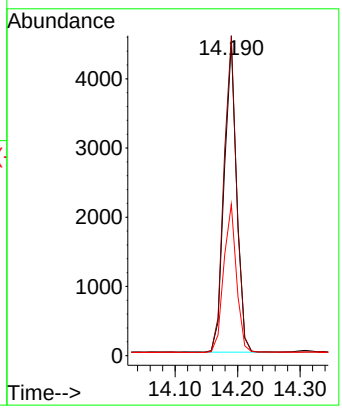


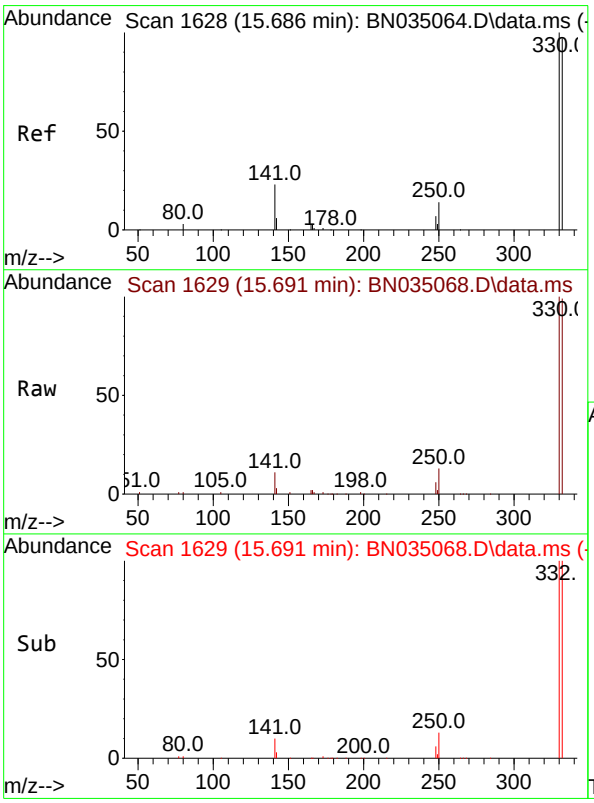
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.190 min Scan# 14
Delta R.T. 0.004 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 6225

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.2	123.2
160	48.4	40.2	60.4

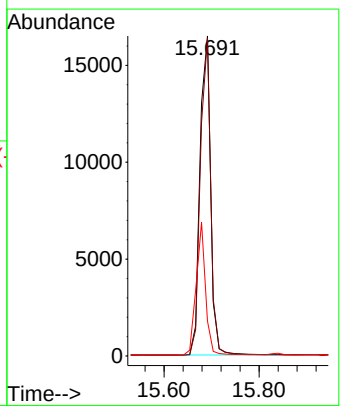


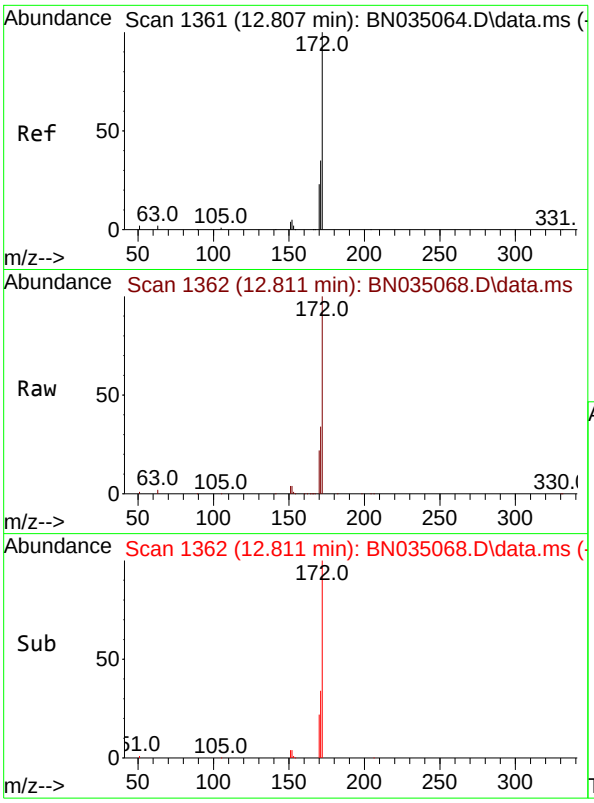


#14
2,4,6-Tribromophenol
Concen: 5.740 ng
RT: 15.691 min Scan# 1629
Delta R.T. 0.005 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Tgt Ion:330 Resp: 25763

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.9	115.3
141	36.4	29.6	44.4



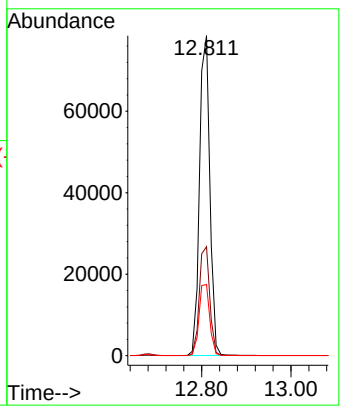


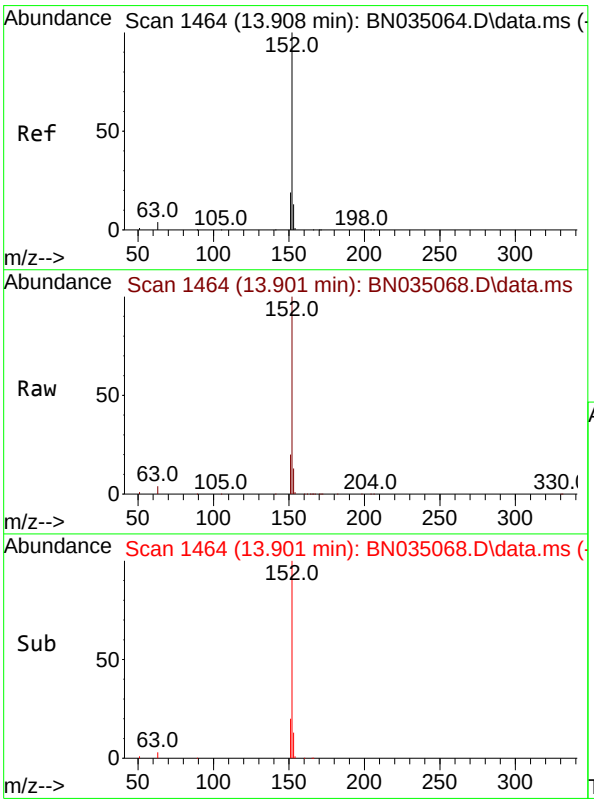
#15
2-Fluorobiphenyl
Concen: 4.967 ng
RT: 12.811 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 125581

Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.2	42.4
170	22.3	19.0	28.6

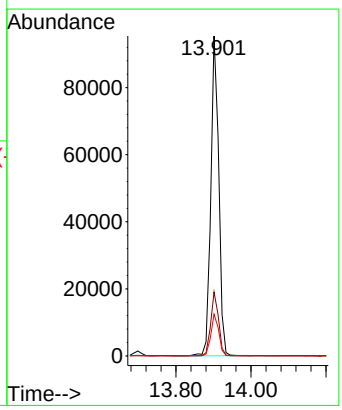


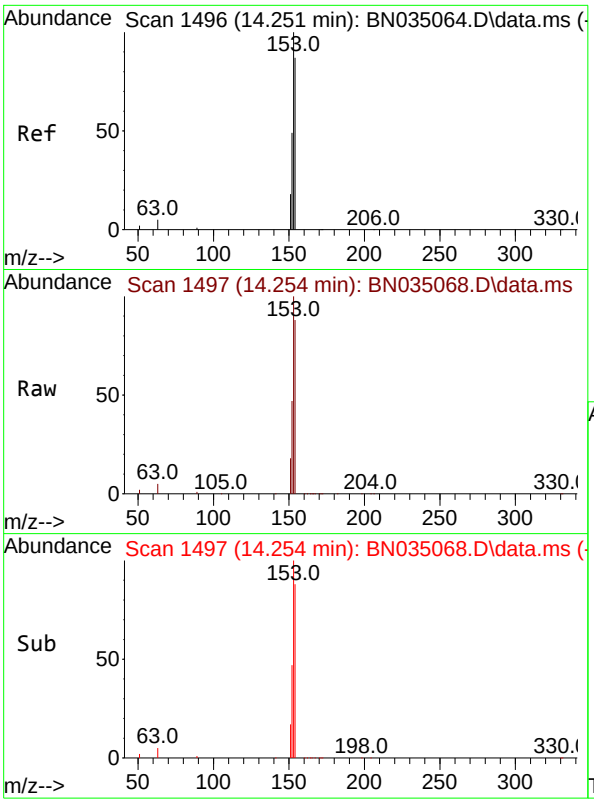


#16
Acenaphthylene
Concen: 5.250 ng
RT: 13.901 min Scan# 1464
Delta R.T. -0.007 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Tgt Ion:152 Resp: 139668

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.0	10.2	15.4



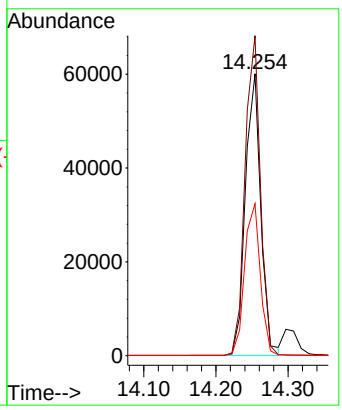


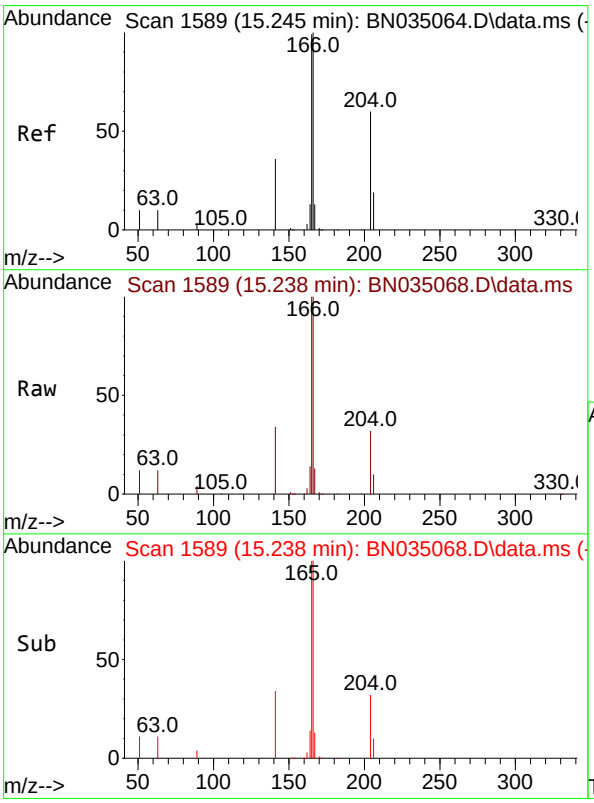
#17
Acenaphthene
Concen: 5.115 ng
RT: 14.254 min Scan# 14
Delta R.T. 0.004 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 89181

Ion	Ratio	Lower	Upper
154	100		
153	113.0	91.6	137.4
152	55.3	45.8	68.6

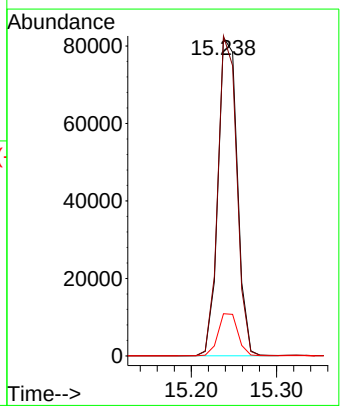


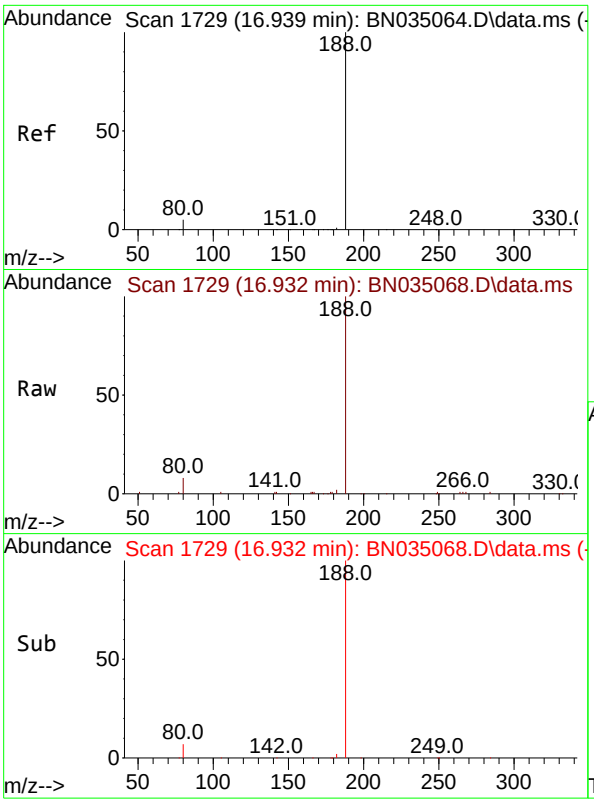


#18
Fluorene
Concen: 5.033 ng
RT: 15.238 min Scan# 1589
Delta R.T. -0.007 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Tgt Ion:166 Resp: 129071

Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.1	118.7
167	13.5	10.6	16.0



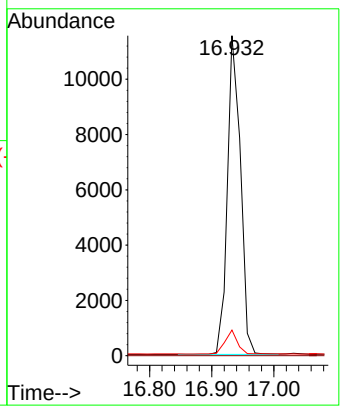


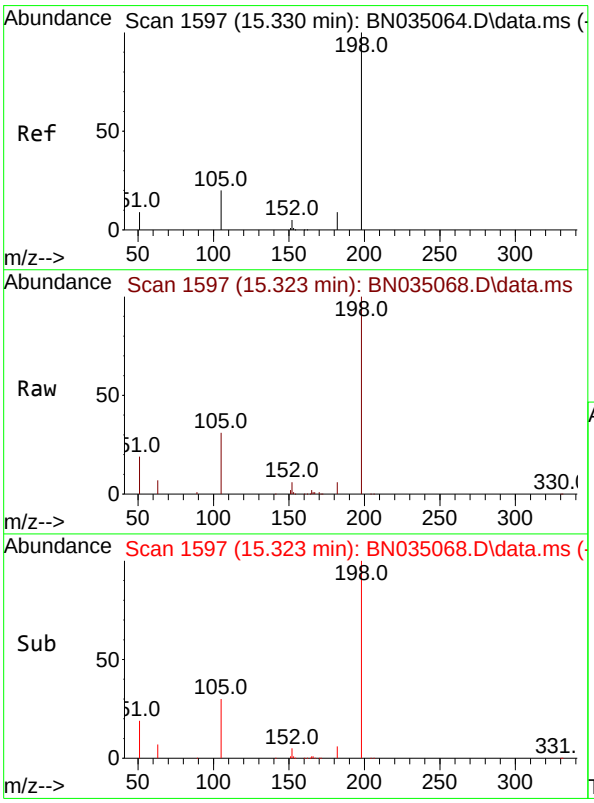
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.932 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 16809

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.0	4.3	6.5#

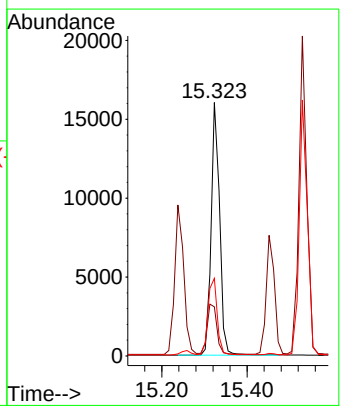


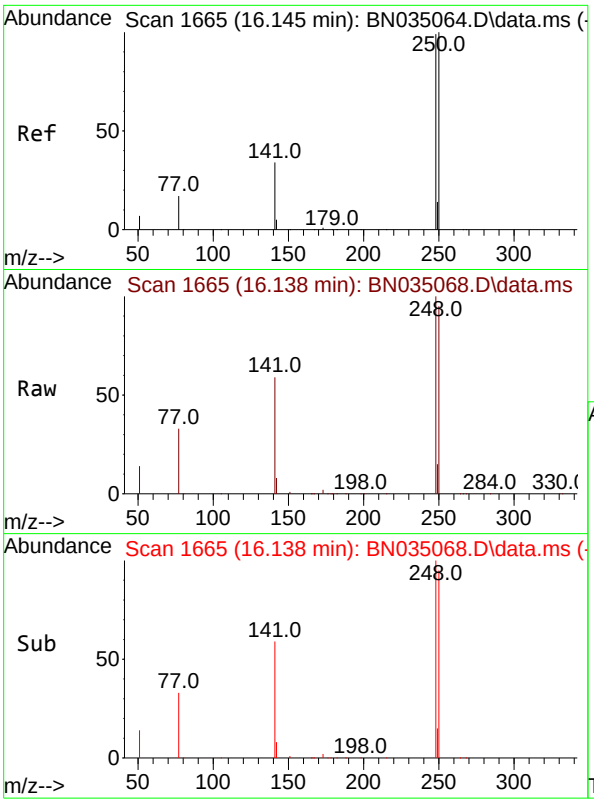


#20
4,6-Dinitro-2-methylphenol
Concen: 6.304 ng
RT: 15.323 min Scan# 1597
Delta R.T. -0.007 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Tgt Ion:198 Resp: 22059

Ion	Ratio	Lower	Upper
198	100		
51	19.4	29.9	44.9#
105	30.6	23.7	35.5



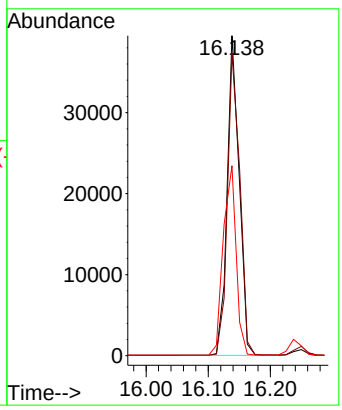


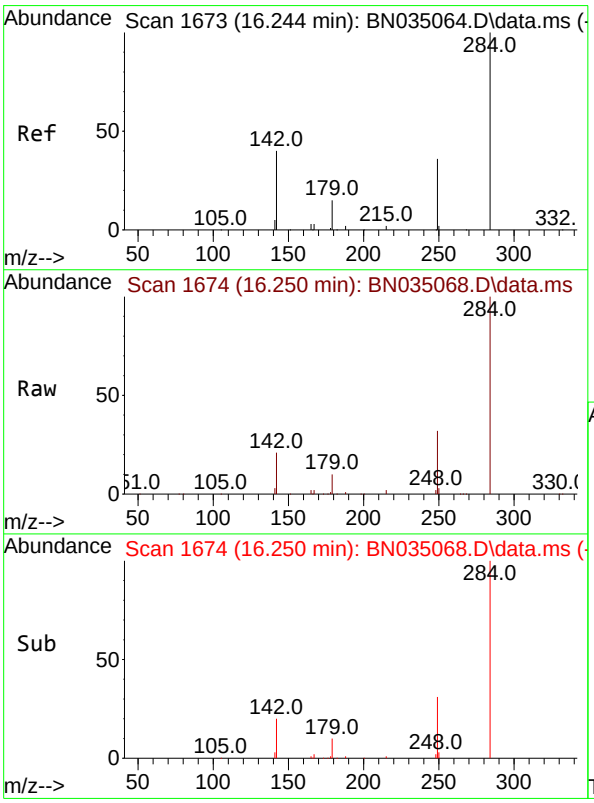
#21
4-Bromophenyl-phenylether
Concen: 4.935 ng
RT: 16.138 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:248 Resp: 52850

Ion	Ratio	Lower	Upper
248	100		
250	94.6	81.2	121.8
141	59.4	29.1	43.7#

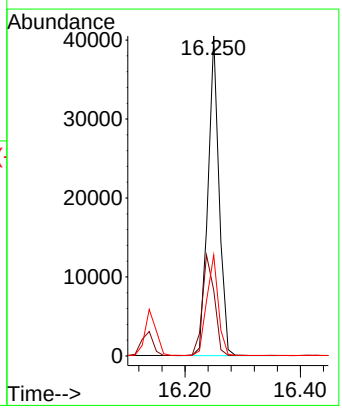


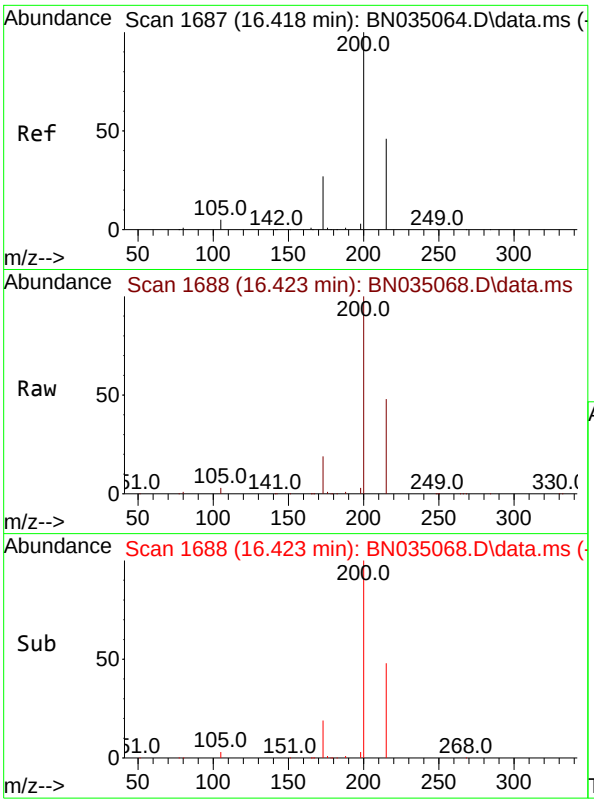


#22
Hexachlorobenzene
Concen: 4.870 ng
RT: 16.250 min Scan# 1674
Delta R.T. 0.005 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Tgt Ion:284 Resp: 54126

Ion	Ratio	Lower	Upper
284	100		
142	34.0	28.2	42.4
249	32.4	26.2	39.2



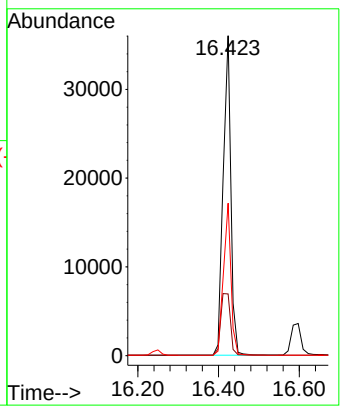


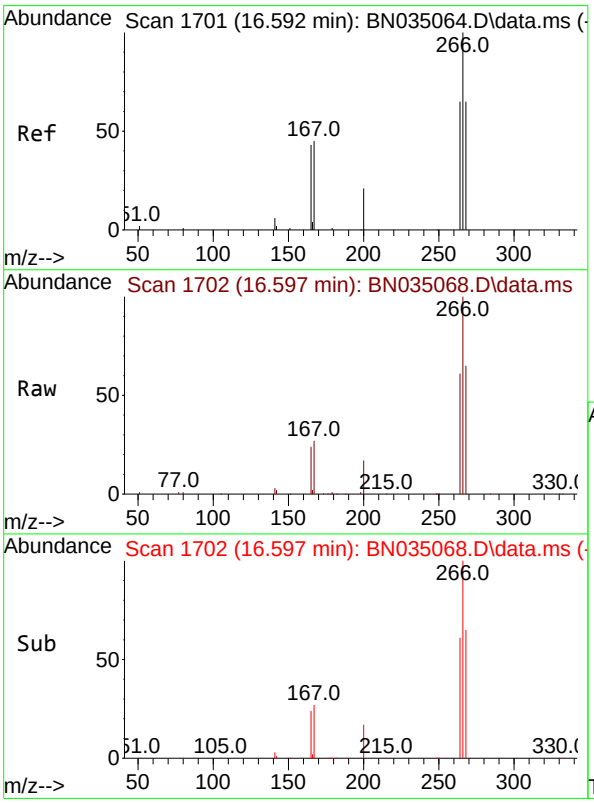
#23
Atrazine
Concen: 4.928 ng
RT: 16.423 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:200 Resp: 47349

Ion	Ratio	Lower	Upper
200	100		
173	19.3	22.6	33.8#
215	47.7	37.8	56.6

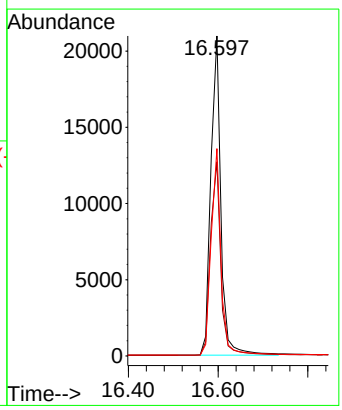


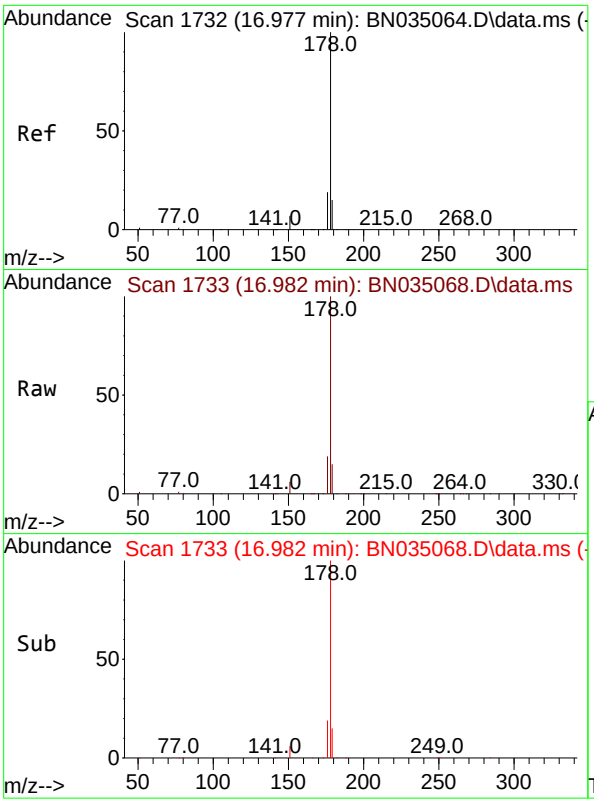


#24
Pentachlorophenol
Concen: 6.228 ng
RT: 16.597 min Scan# 1702
Delta R.T. 0.005 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Tgt Ion:266 Resp: 32339

Ion	Ratio	Lower	Upper
266	100		
264	62.3	49.4	74.0
268	63.7	52.6	79.0



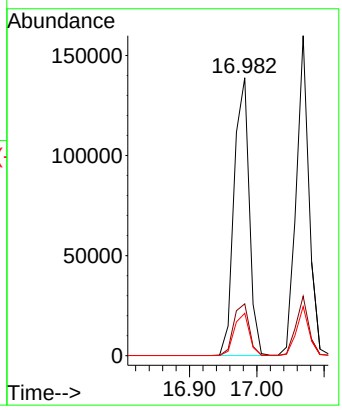


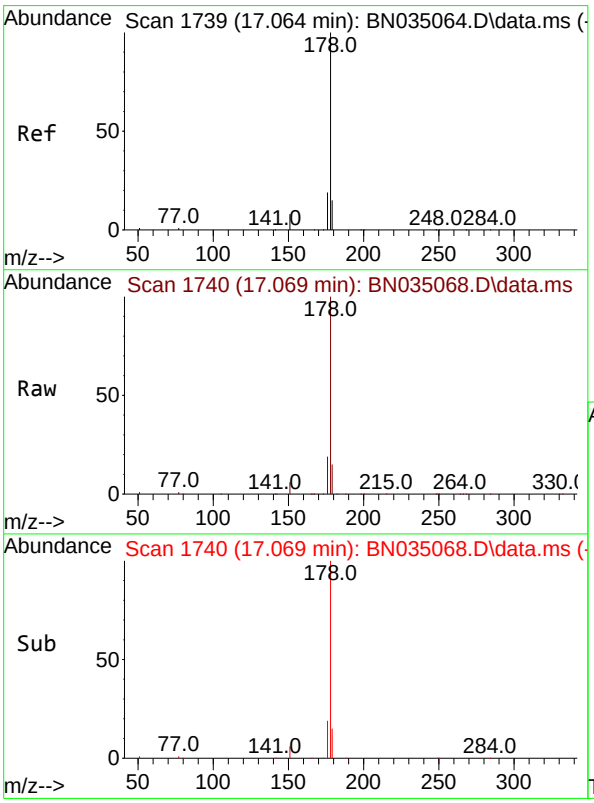
#25
Phenanthrene
Concen: 4.923 ng
RT: 16.982 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 217781

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.2	22.8
179	15.2	12.6	18.8

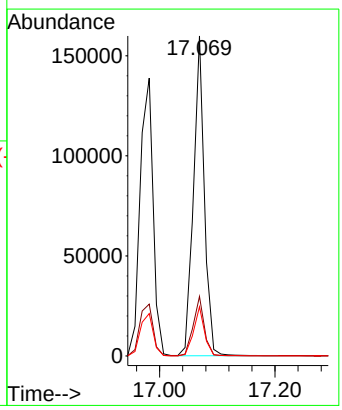


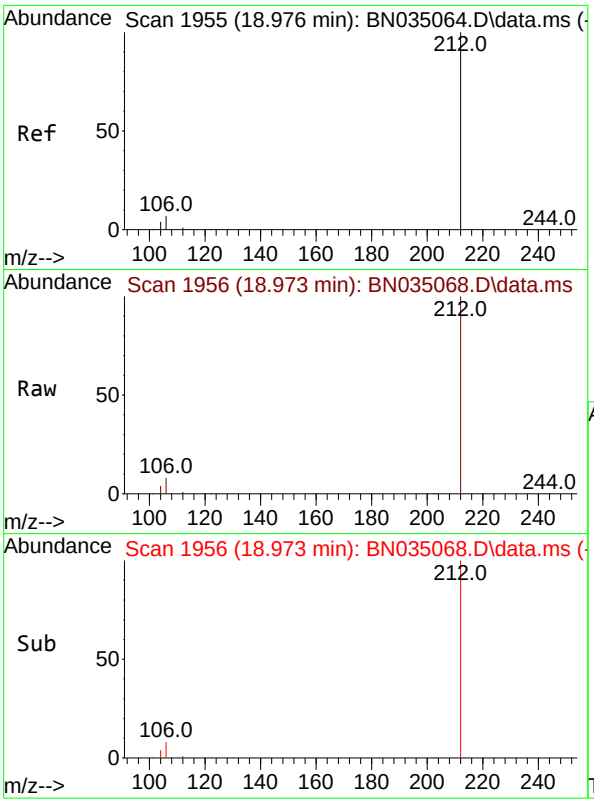


#26
Anthracene
Concen: 5.176 ng
RT: 17.069 min Scan# 1740
Delta R.T. 0.005 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Tgt Ion:178 Resp: 210303

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.3	12.2	18.2



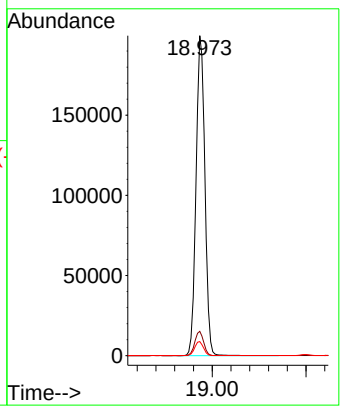


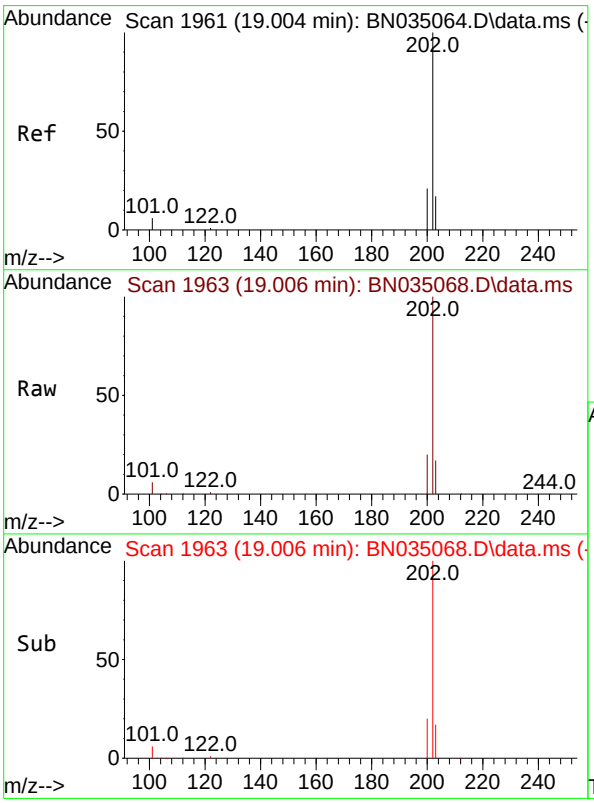
#27
Fluoranthene-d10
Concen: 5.059 ng
RT: 18.973 min Scan# 1
Delta R.T. -0.002 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 260540

Ion	Ratio	Lower	Upper
212	100		
106	7.6	6.0	9.0
104	4.4	3.5	5.3

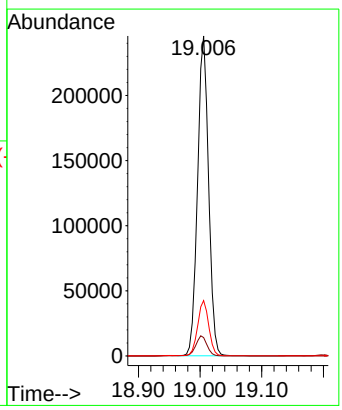


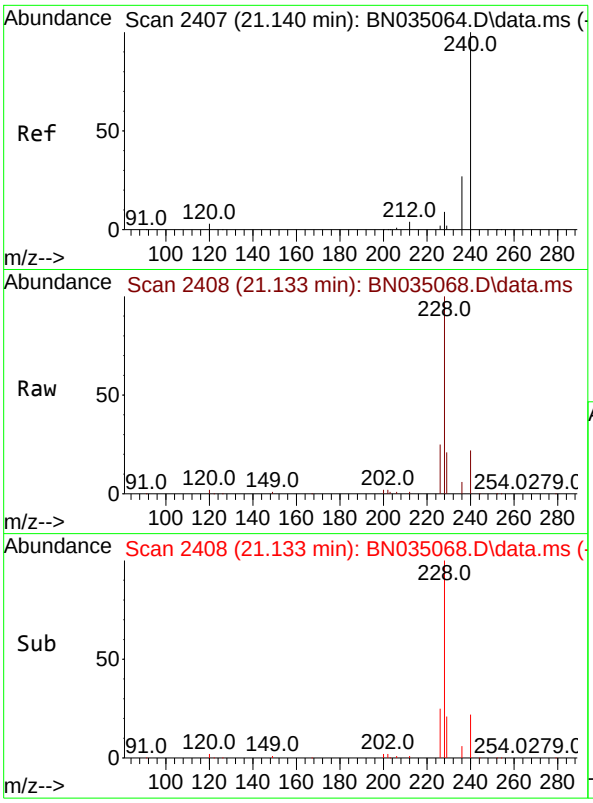


#28
Fluoranthene
Concen: 5.019 ng
RT: 19.006 min Scan# 1963
Delta R.T. 0.002 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Tgt Ion:202 Resp: 305283

Ion	Ratio	Lower	Upper
202	100		
101	6.4	5.2	7.8
203	17.3	13.8	20.8



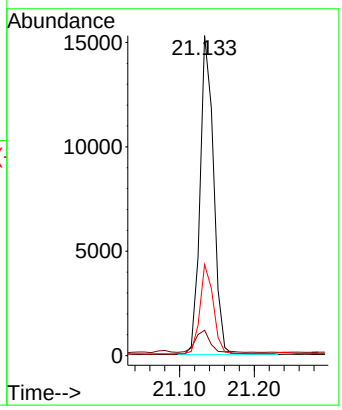


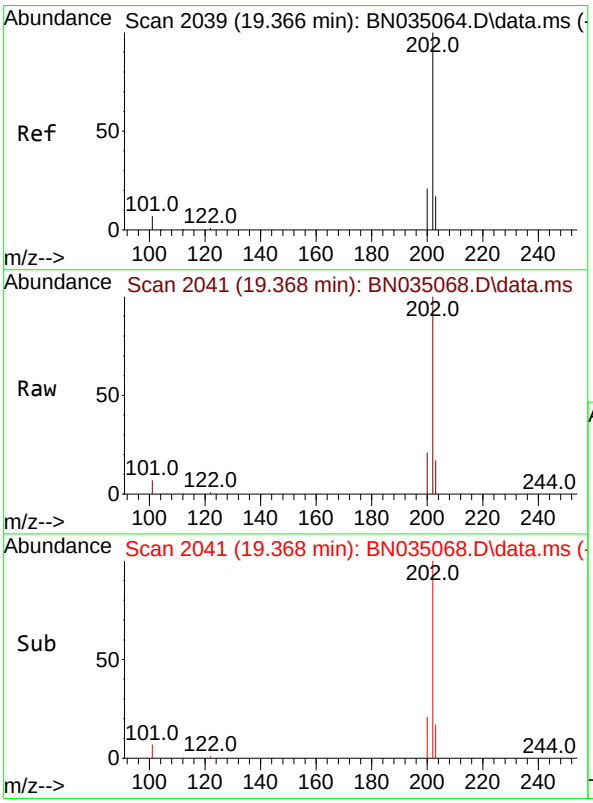
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.133 min Scan# 24
Delta R.T. -0.007 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 19216

Ion	Ratio	Lower	Upper
240	100		
120	8.0	3.8	5.6#
236	28.5	22.2	33.2

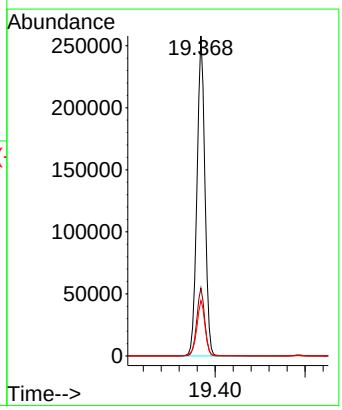


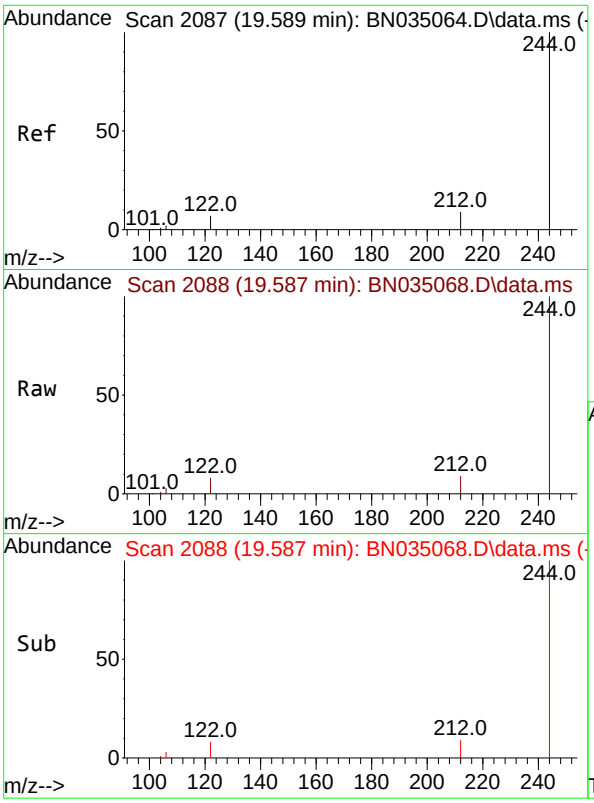


#30
Pyrene
Concen: 4.942 ng
RT: 19.368 min Scan# 2041
Delta R.T. 0.002 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Tgt Ion:202 Resp: 316225

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.9	14.2	21.4



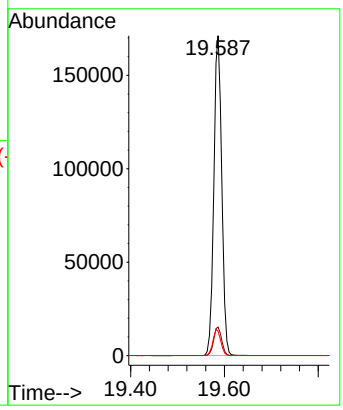


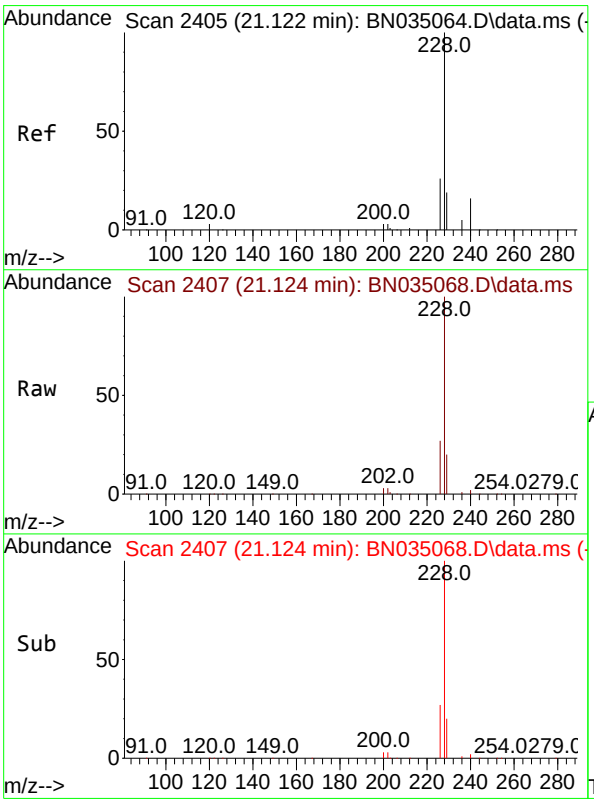
#31
Terphenyl-d14
Concen: 4.950 ng
RT: 19.587 min Scan# 2
Delta R.T. -0.002 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 199585

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.6	11.4
122	7.7	6.1	9.1

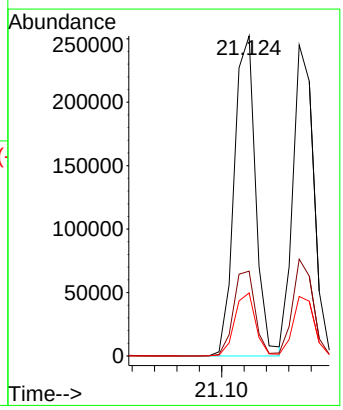


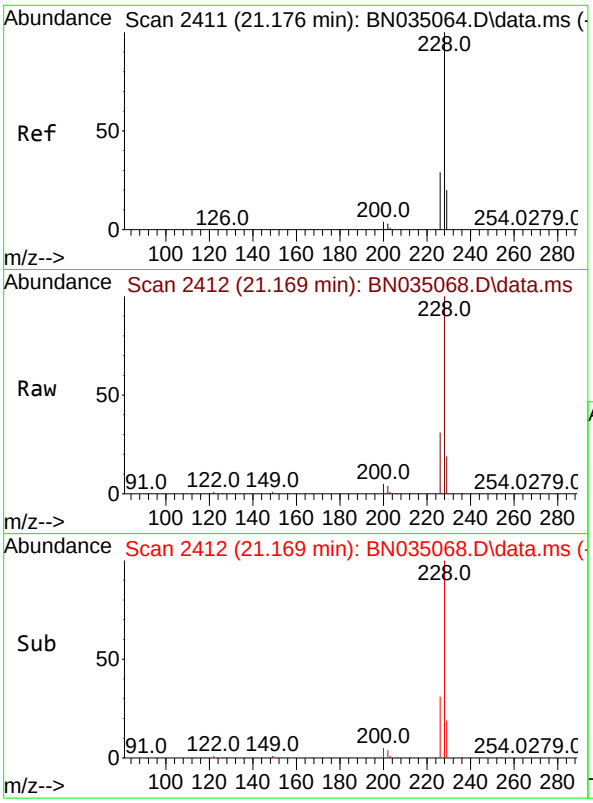


#32
Benzo(a)anthracene
Concen: 5.013 ng
RT: 21.124 min Scan# 2407
Delta R.T. 0.002 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Tgt Ion:228 Resp: 335437

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.4	32.0
229	19.7	15.7	23.5



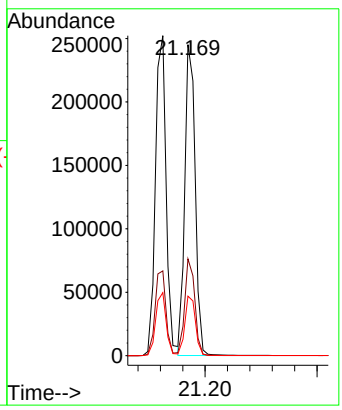


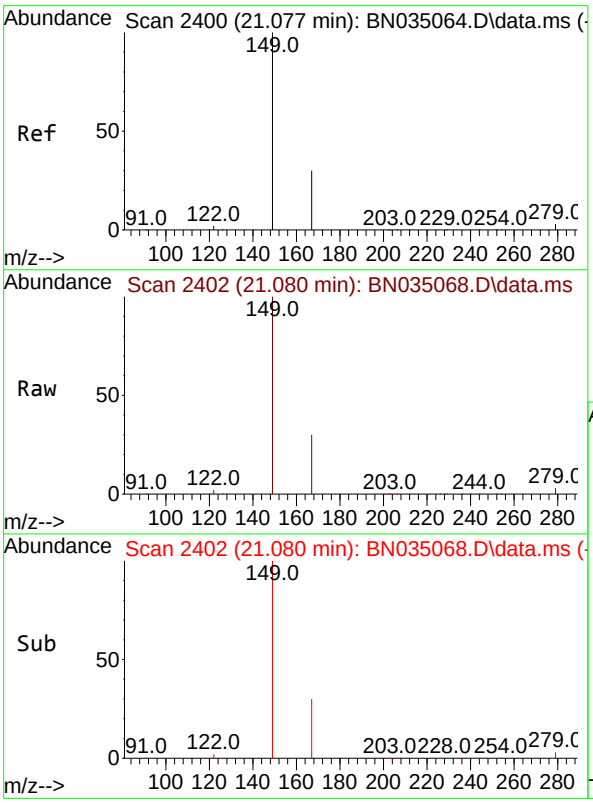
#33
Chrysene
Concen: 4.786 ng
RT: 21.169 min Scan# 24
Delta R.T. -0.007 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 317200

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.7	35.5
229	19.1	16.2	24.4

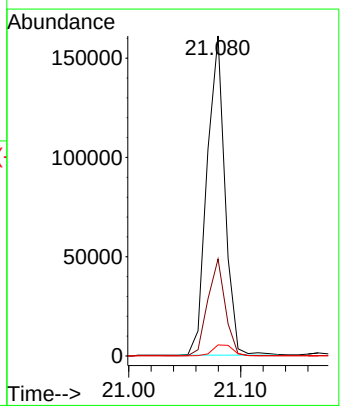


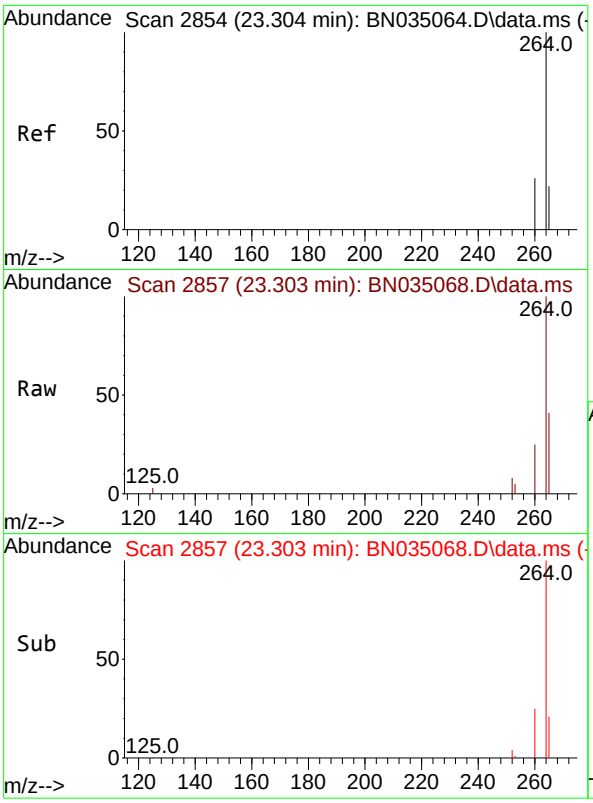


#34
Bis(2-ethylhexyl)phthalate
Concen: 5.121 ng
RT: 21.080 min Scan# 2402
Delta R.T. 0.002 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Tgt Ion:149 Resp: 178320

Ion	Ratio	Lower	Upper
149	100		
167	29.5	23.2	34.8
279	3.9	3.2	4.8



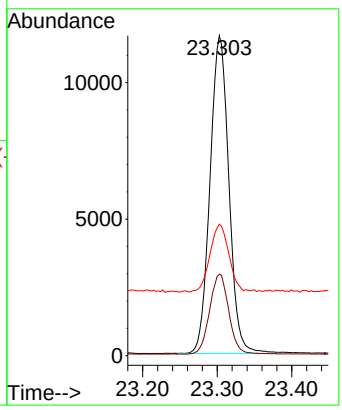


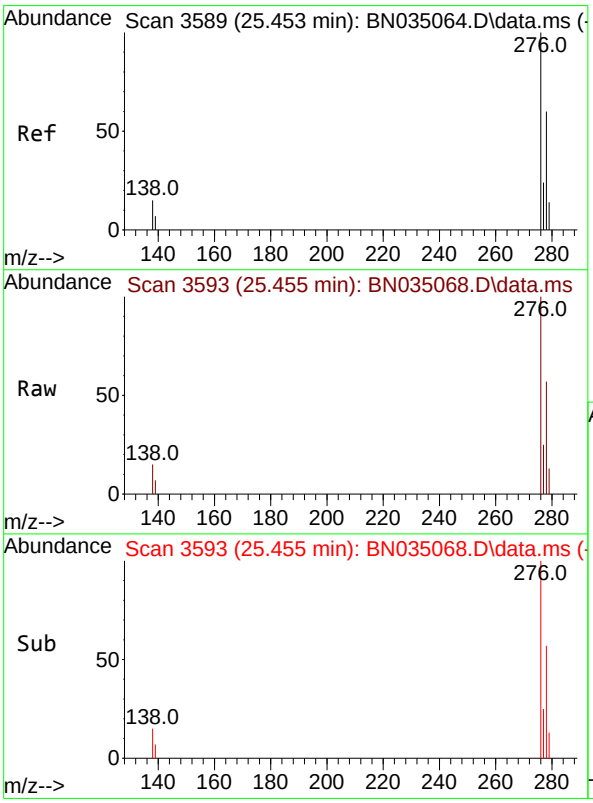
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.303 min Scan# 2
Delta R.T. -0.001 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:264 Resp: 20465

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.9	31.3
265	41.1	35.4	53.2

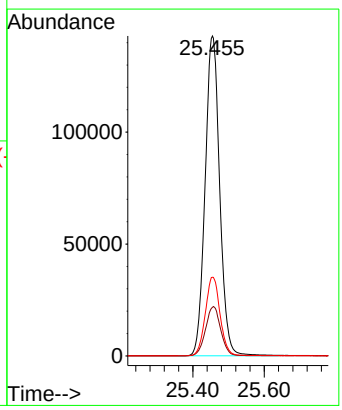


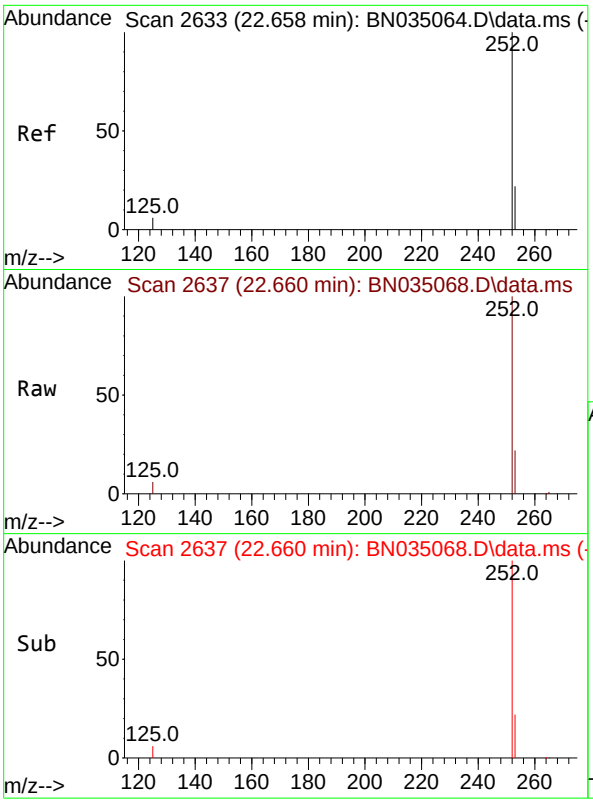


#36
Indeno(1,2,3-cd)pyrene
Concen: 4.966 ng
RT: 25.455 min Scan# 3593
Delta R.T. 0.002 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Tgt Ion:276 Resp: 405401

Ion	Ratio	Lower	Upper
276	100		
138	16.0	13.0	19.4
277	24.9	19.8	29.6



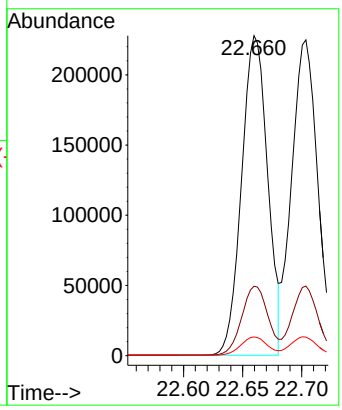


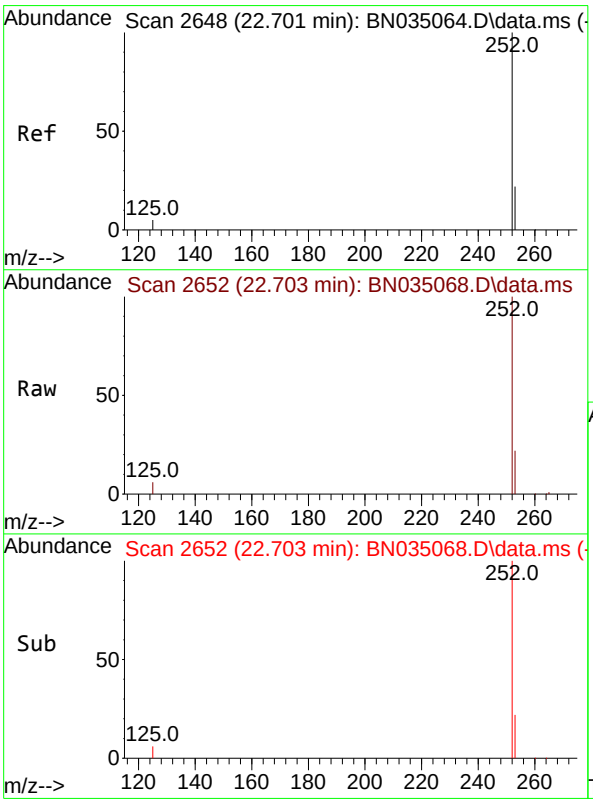
#37
Benzo(b)fluoranthene
Concen: 5.049 ng
RT: 22.660 min Scan# 2
Delta R.T. 0.002 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 347639

Ion	Ratio	Lower	Upper
252	100		
253	21.7	19.3	28.9
125	5.8	6.2	9.2#

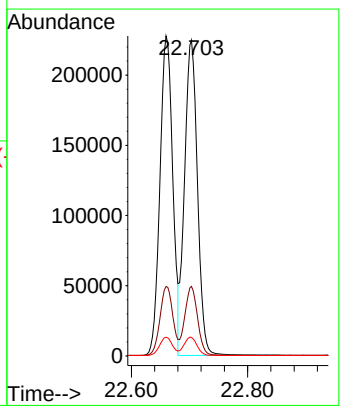


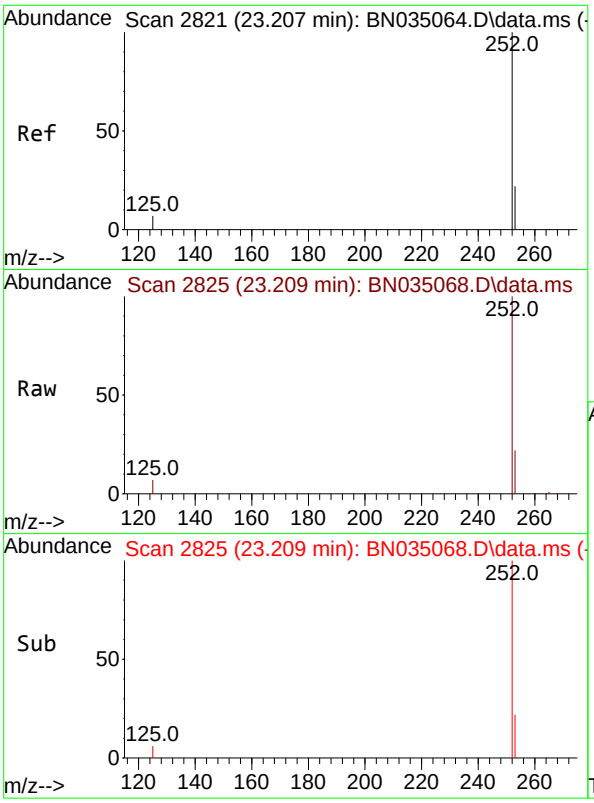


#38
Benzo(k)fluoranthene
Concen: 5.041 ng
RT: 22.703 min Scan# 2652
Delta R.T. 0.002 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Tgt Ion:252 Resp: 347310

Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.5	29.3
125	5.9	6.5	9.7#



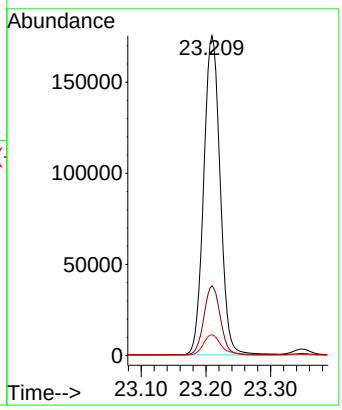


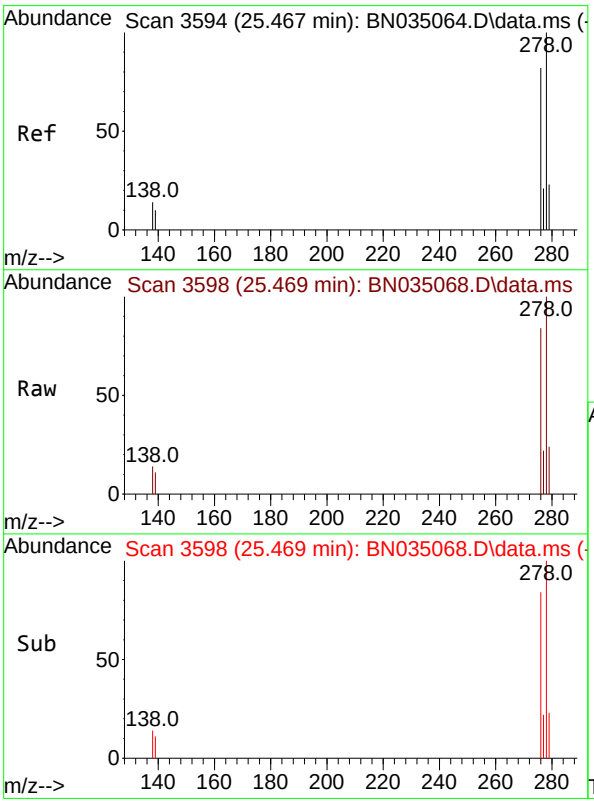
#39
Benzo(a)pyrene
Concen: 5.094 ng
RT: 23.209 min Scan# 2
Delta R.T. 0.002 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 308664

Ion	Ratio	Lower	Upper
252	100		
253	21.8	20.1	30.1
125	6.5	7.5	11.3#

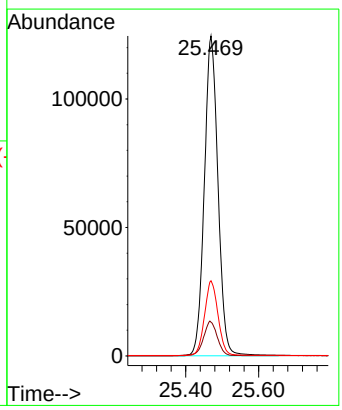


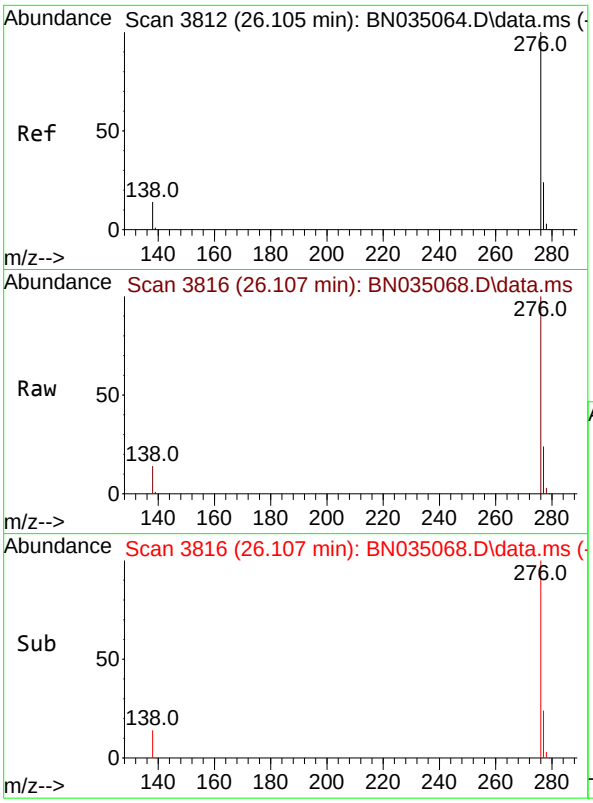


#40
Dibenzo(a,h)anthracene
Concen: 5.002 ng
RT: 25.469 min Scan# 3598
Delta R.T. 0.002 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Tgt Ion:278 Resp: 323522

Ion	Ratio	Lower	Upper
278	100		
139	10.6	9.3	13.9
279	23.5	19.7	29.5



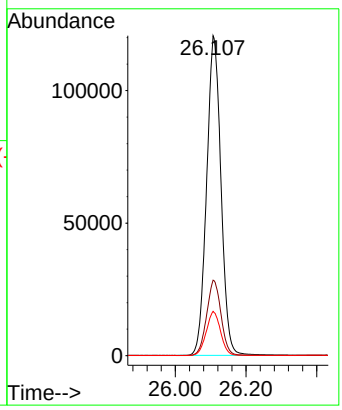


#41
Benzo(g,h,i)perylene
Concen: 4.937 ng
RT: 26.107 min Scan# 3
Delta R.T. 0.002 min
Lab File: BN035068.D
Acq: 13 Nov 2024 16:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 339655

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.9	29.9
138	13.9	11.6	17.4



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035069.D
Acq On : 13 Nov 2024 16:51
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

Quant Time: Nov 13 17:18:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 17:18:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.553	152	2509	0.400	ng		0.00
7) Naphthalene-d8	10.319	136	6367	0.400	ng		0.00
13) Acenaphthene-d10	14.186	164	4967	0.400	ng		0.00
19) Phenanthrene-d10	16.939	188	12682	0.400	ng		0.00
29) Chrysene-d12	21.140	240	14055	0.400	ng		0.00
35) Perylene-d12	23.304	264	15724	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	2342	0.368	ng		0.00
5) Phenol-d6	6.737	99	2867	0.359	ng		0.00
8) Nitrobenzene-d5	8.696	82	1983	0.358	ng		0.00
11) 2-Methylnaphthalene-d10	11.916	152	4166	0.367	ng		0.00
14) 2,4,6-Tribromophenol	15.686	330	1154	0.322	ng		0.00
15) 2-Fluorobiphenyl	12.807	172	7205	0.357	ng		0.00
27) Fluoranthene-d10	18.976	212	14530	0.374	ng		0.00
31) Terphenyl-d14	19.584	244	11240	0.381	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.177	88	845	0.371	ng		99
3) n-Nitrosodimethylamine	3.473	42	781	0.368	ng	#	94
6) bis(2-Chloroethyl)ether	6.990	93	2218	0.370	ng		98
9) Naphthalene	10.362	128	6092	0.366	ng		100
10) Hexachlorobutadiene	10.661	225	1817	0.373	ng	#	98
12) 2-Methylnaphthalene	11.988	142	4513	0.368	ng		99
16) Acenaphthylene	13.908	152	7387	0.348	ng		100
17) Acenaphthene	14.250	154	4995	0.359	ng		99
18) Fluorene	15.245	166	7206	0.352	ng		100
20) 4,6-Dinitro-2-methylph...	15.330	198	870m	0.330	ng		
21) 4-Bromophenyl-phenylether	16.145	248	3001	0.371	ng		98
22) Hexachlorobenzene	16.244	284	3175	0.379	ng		99
23) Atrazine	16.418	200	2682	0.370	ng		98
24) Pentachlorophenol	16.592	266	1269	0.324	ng		98
25) Phenanthrene	16.977	178	12517	0.375	ng		99
26) Anthracene	17.063	178	11219	0.366	ng		100
28) Fluoranthene	19.004	202	17084	0.372	ng		100
30) Pyrene	19.366	202	17580	0.376	ng		100
32) Benzo(a)anthracene	21.122	228	18406	0.376	ng		99
33) Chrysene	21.176	228	18693	0.386	ng		99
34) Bis(2-ethylhexyl)phtha...	21.077	149	8691	0.338	ng		100
36) Indeno(1,2,3-cd)pyrene	25.450	276	23546	0.375	ng		99
37) Benzo(b)fluoranthene	22.660	252	20039	0.379	ng		99
38) Benzo(k)fluoranthene	22.701	252	20114	0.380	ng		98
39) Benzo(a)pyrene	23.210	252	17596	0.378	ng		99
40) Dibenzo(a,h)anthracene	25.467	278	18547	0.373	ng		98
41) Benzo(g,h,i)perylene	26.104	276	19649	0.372	ng		99

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

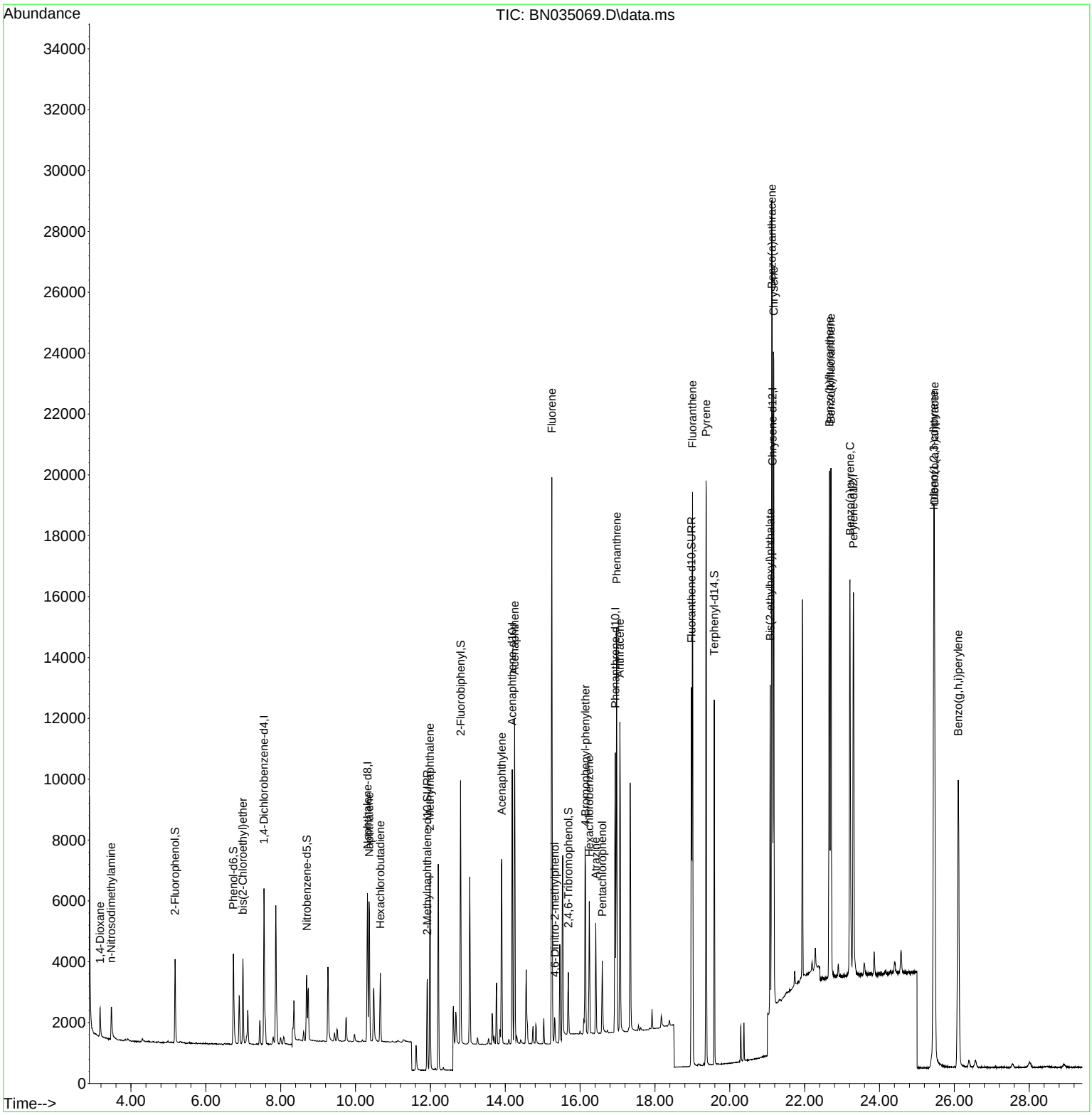
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035069.D
Acq On : 13 Nov 2024 16:51
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

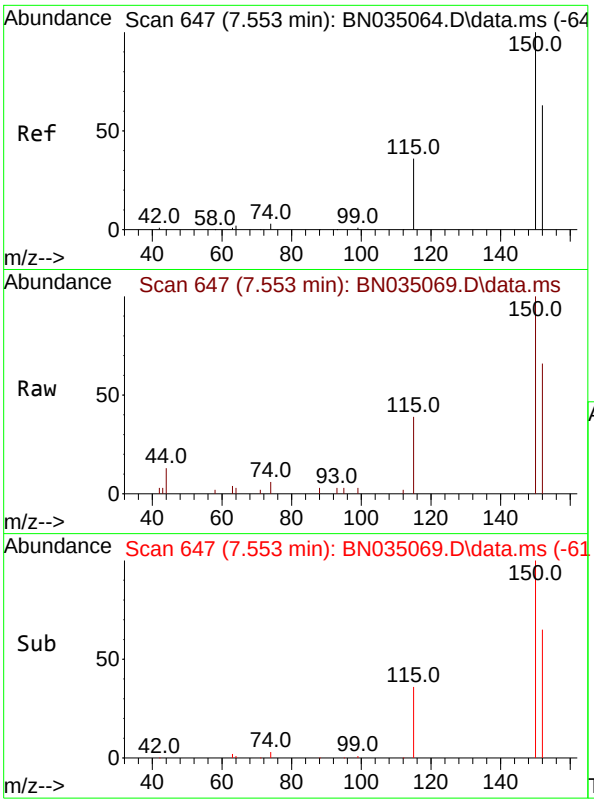
Quant Time: Nov 13 17:18:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 17:18:14 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

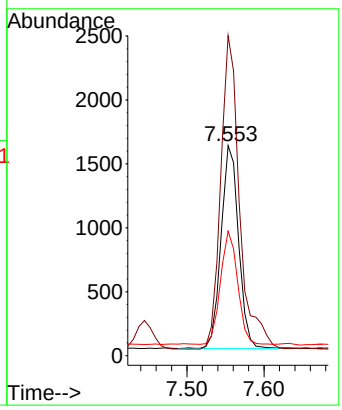




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.553 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:152 Resp: 250

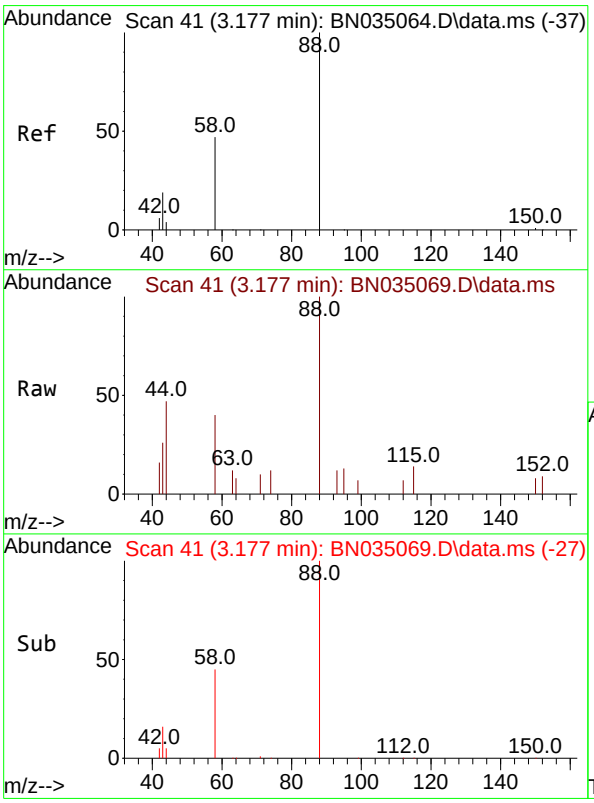
Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.5	186.7
115	59.3	47.8	71.6



Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations APPROVED

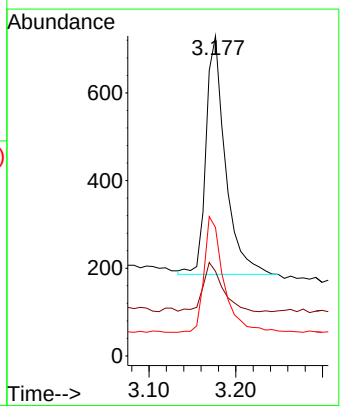
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

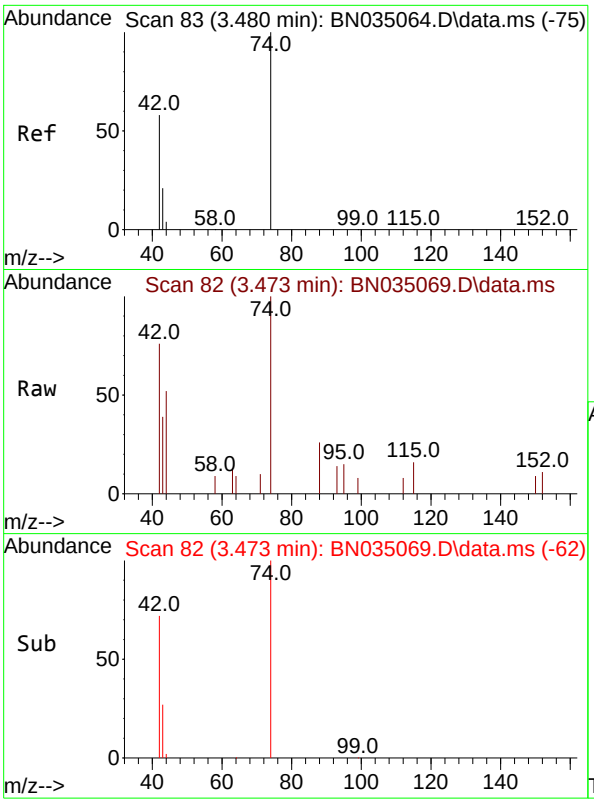


#2
1,4-Dioxane
Concen: 0.371 ng
RT: 3.177 min Scan# 41
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion: 88 Resp: 845

Ion	Ratio	Lower	Upper
88	100		
43	20.8	16.9	25.3
58	49.1	39.0	58.4

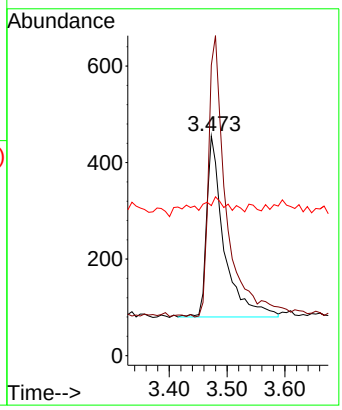




#3
n-Nitrosodimethylamine
Concen: 0.368 ng
RT: 3.473 min Scan# 8
Delta R.T. -0.007 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion: 42 Resp: 78

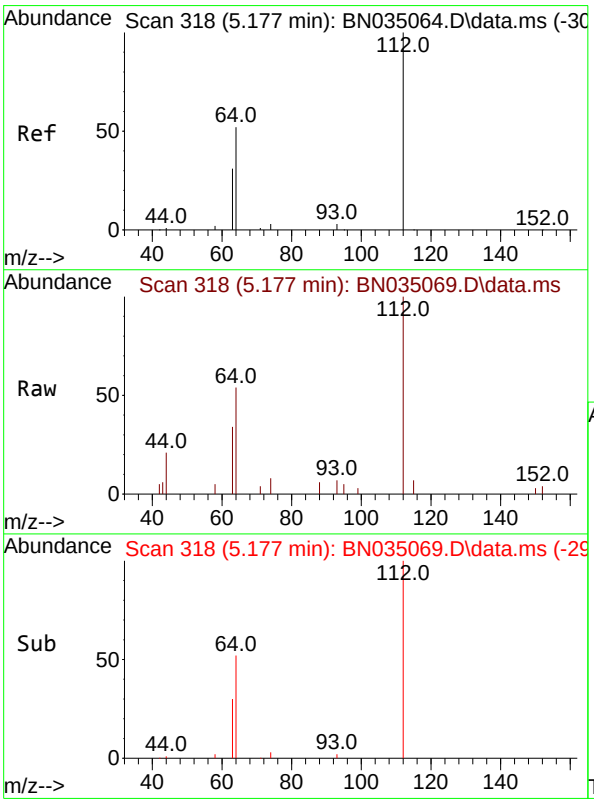
Ion	Ratio	Lower	Upper
42	100		
74	158.6	120.8	181.2
44	8.7	2.9	4.3#



Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations APPROVED

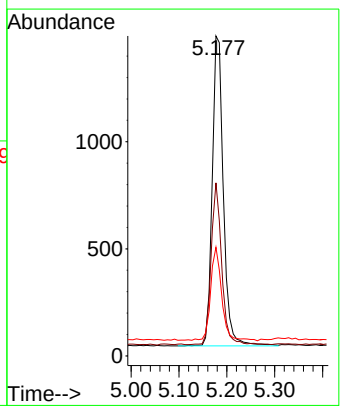
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

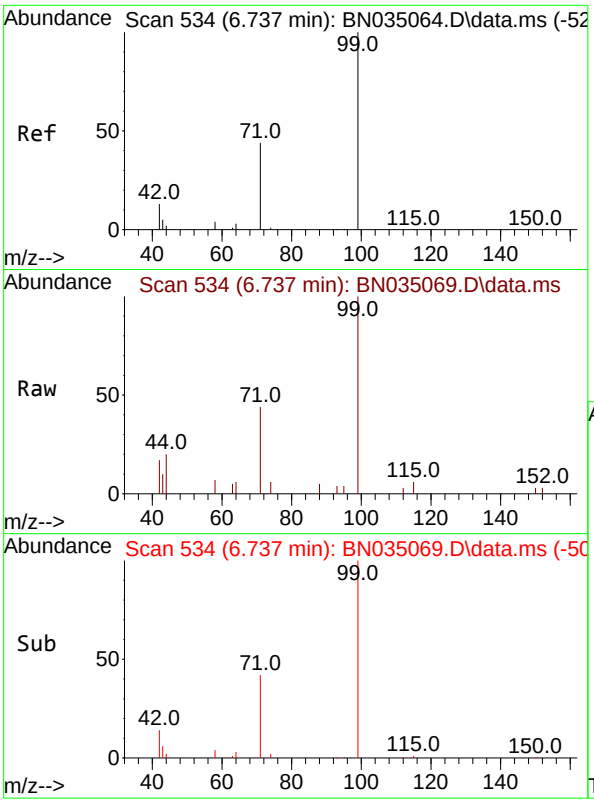


#4
2-Fluorophenol
Concen: 0.368 ng
RT: 5.177 min Scan# 318
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:112 Resp: 2342

Ion	Ratio	Lower	Upper
112	100		
64	48.8	39.7	59.5
63	30.1	23.0	34.4

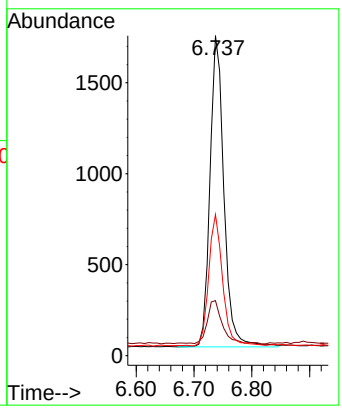




#5
Phenol-d6
Concen: 0.359 ng
RT: 6.737 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion: 99 Resp: 286

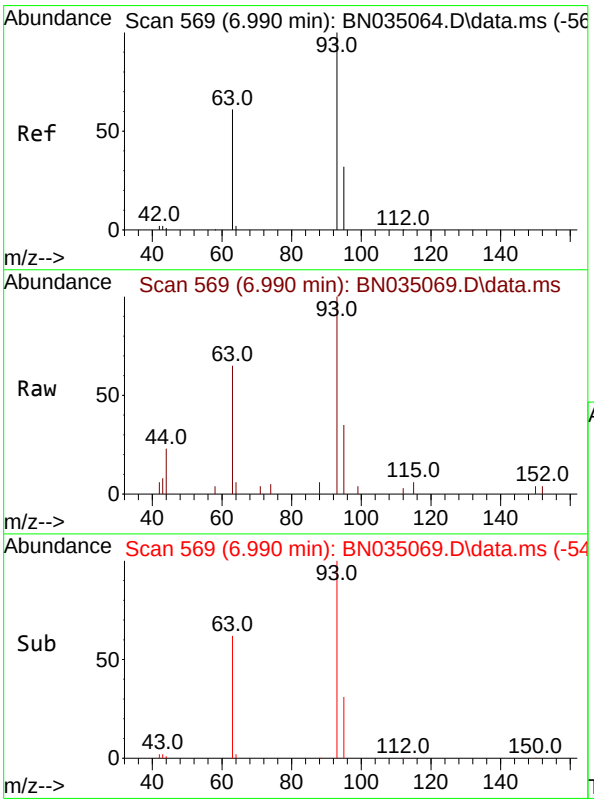
Ion	Ratio	Lower	Upper
99	100		
42	14.4	11.4	17.0
71	42.1	34.6	51.8



Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations
APPROVED

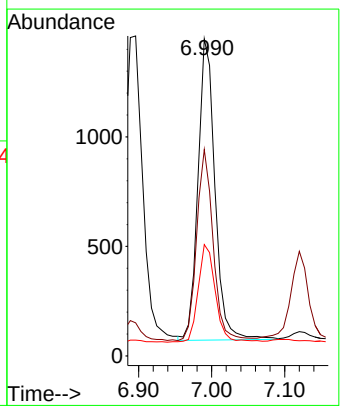
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

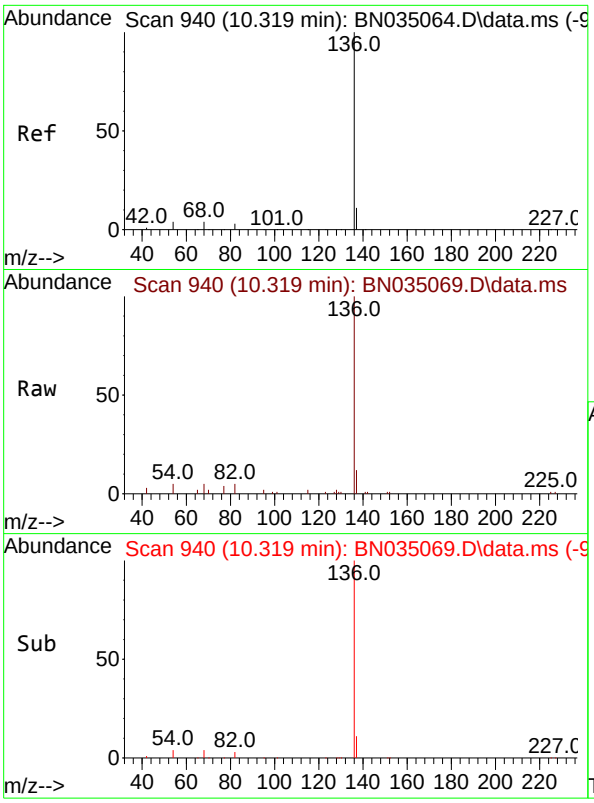


#6
bis(2-Chloroethyl)ether
Concen: 0.370 ng
RT: 6.990 min Scan# 569
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion: 93 Resp: 2218

Ion	Ratio	Lower	Upper
93	100		
63	61.3	47.4	71.2
95	33.0	26.2	39.4

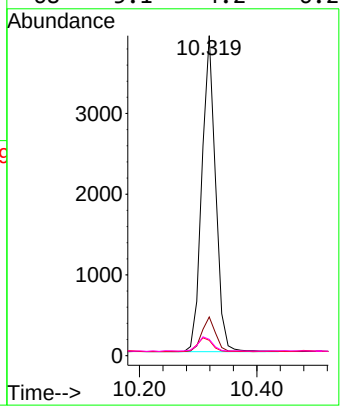




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.319 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:136 Resp: 636

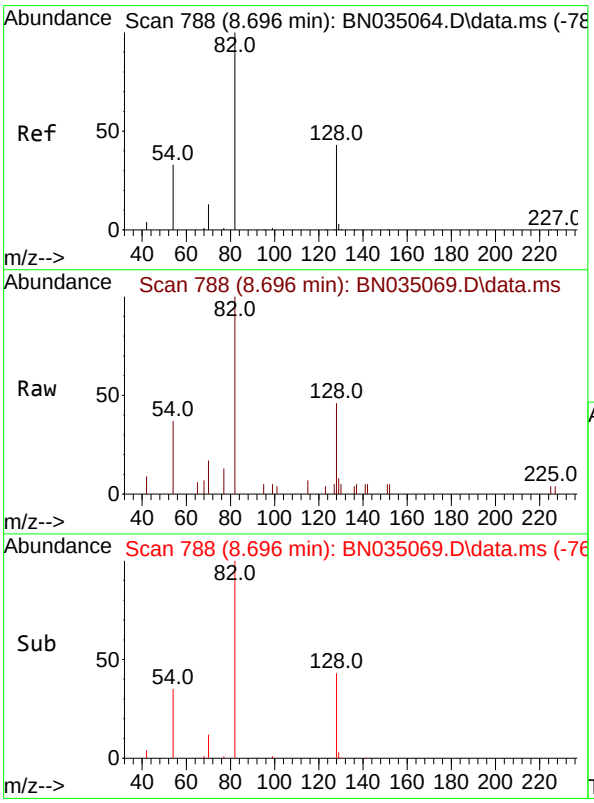
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.8	14.8
54	4.8	4.0	6.0
68	5.1	4.2	6.2



Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations APPROVED

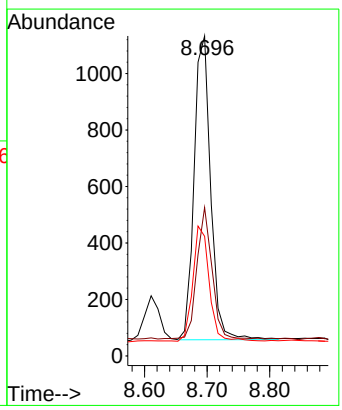
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

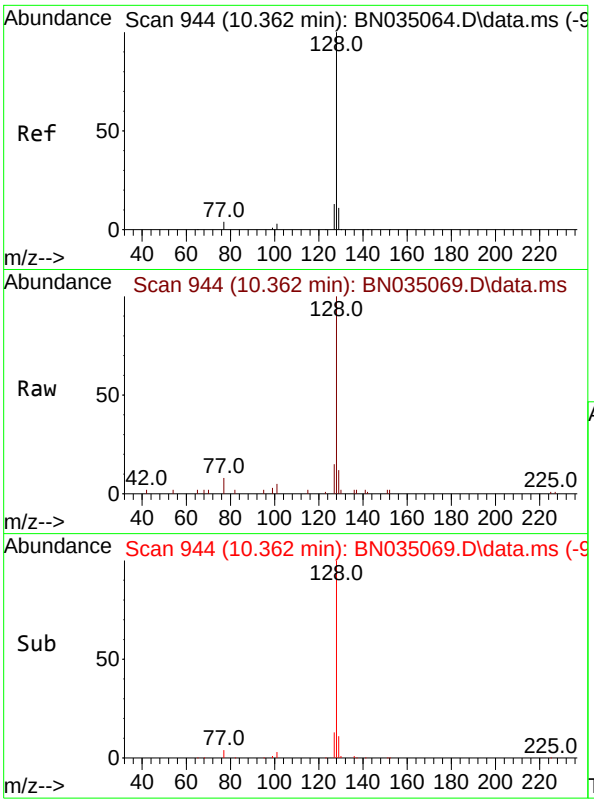


#8
Nitrobenzene-d5
Concen: 0.358 ng
RT: 8.696 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion: 82 Resp: 1983

Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.5	54.7
54	37.4	28.7	43.1





#9
Naphthalene
Concen: 0.366 ng
RT: 10.362 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

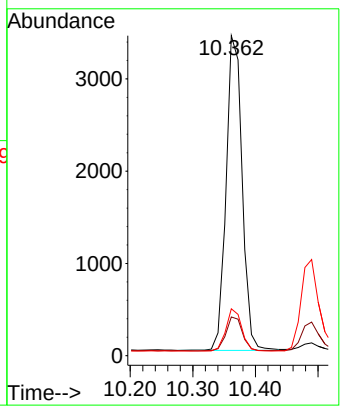
Tgt Ion:128 Resp: 609

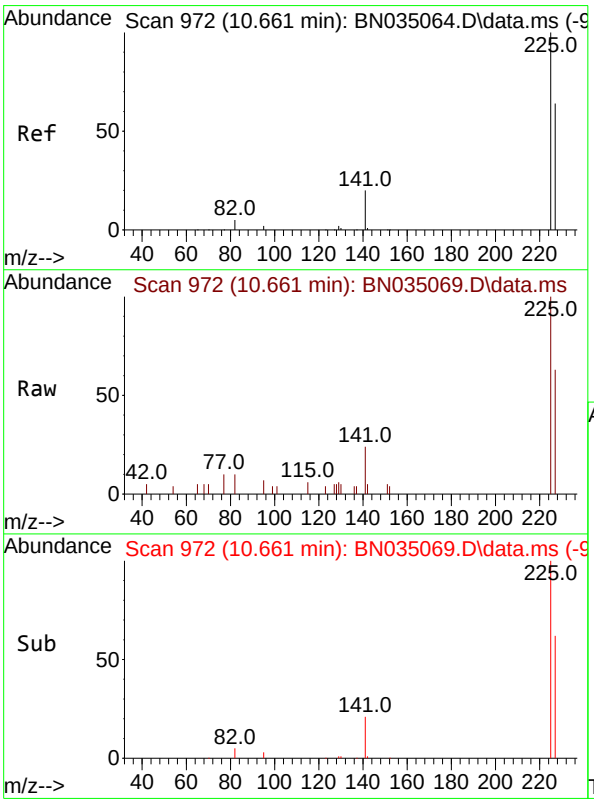
Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.6	14.4
127	14.7	11.6	17.4

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

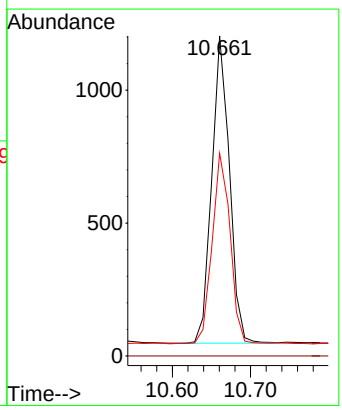


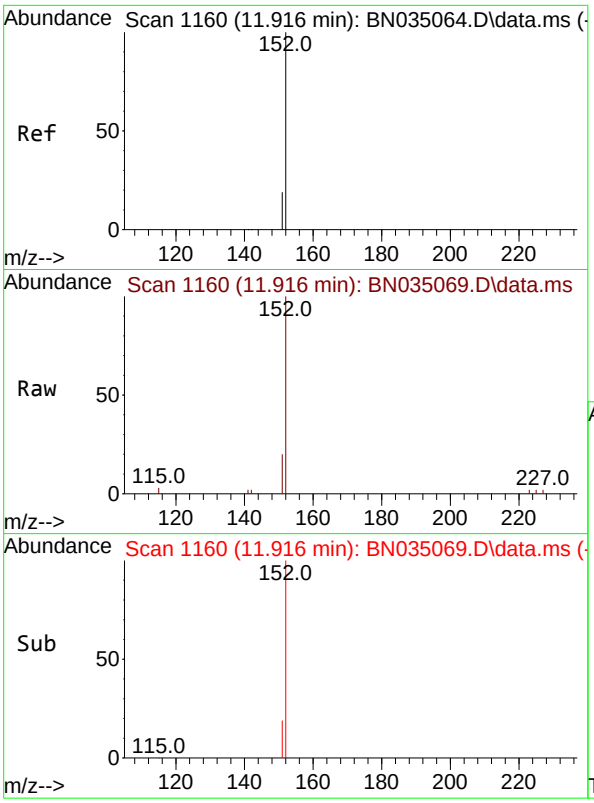


#10
Hexachlorobutadiene
Concen: 0.373 ng
RT: 10.661 min Scan# 972
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:225 Resp: 1817

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	51.5	77.3





#11
2-Methylnaphthalene-d10
Concen: 0.367 ng
RT: 11.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

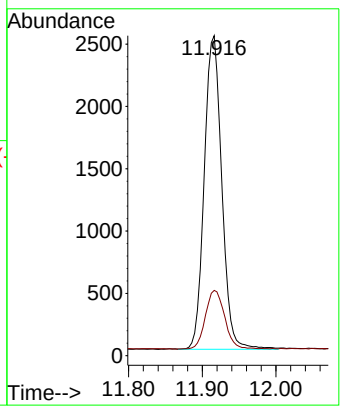
Tgt Ion:152 Resp: 416

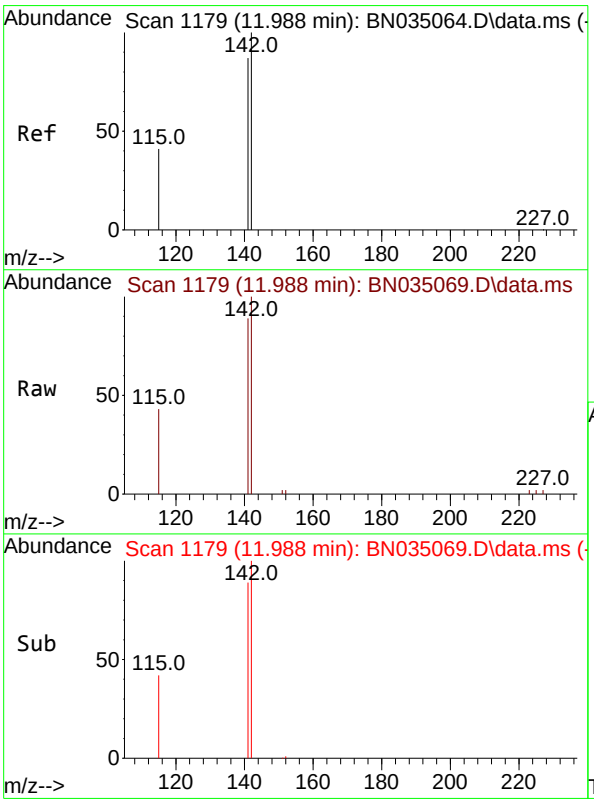
Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.4

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

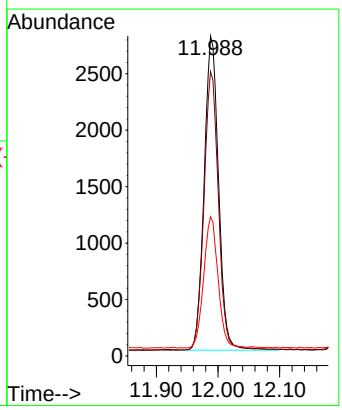


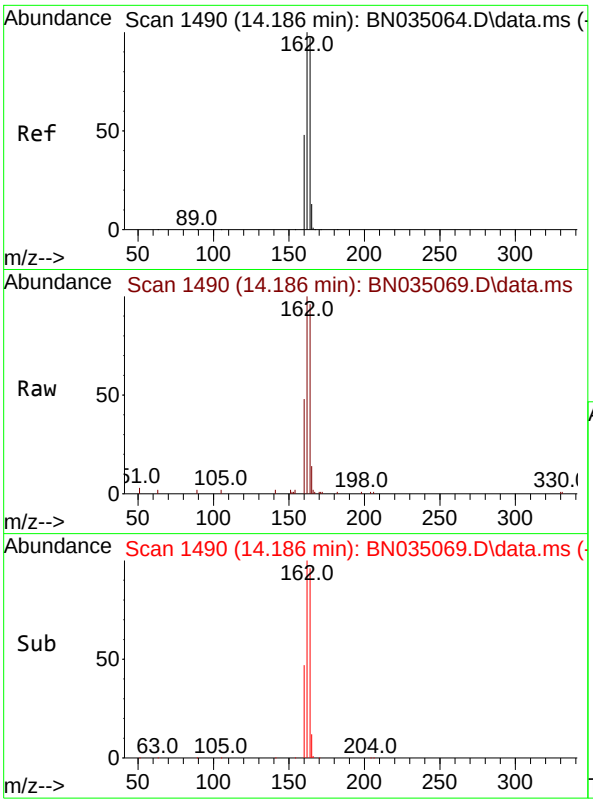


#12
2-Methylnaphthalene
Concen: 0.368 ng
RT: 11.988 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:142 Resp: 4513

Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.1	105.1
115	43.5	34.4	51.6

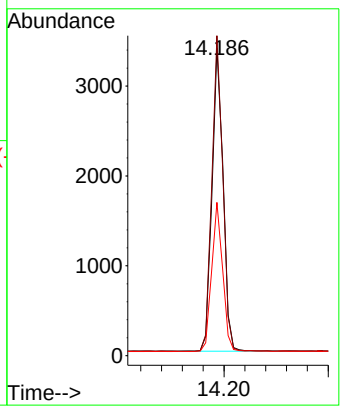




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.186 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:164 Resp: 496

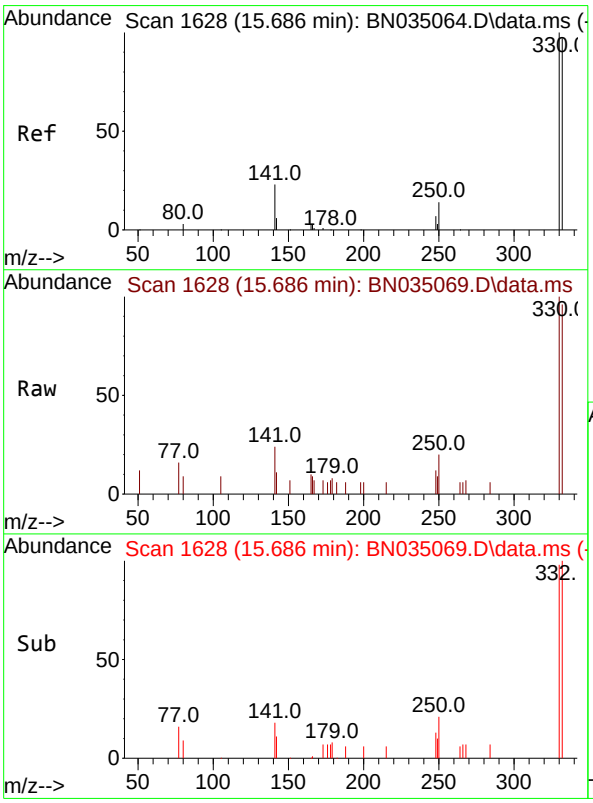
Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.2	123.2
160	49.8	40.2	60.4



Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations
APPROVED

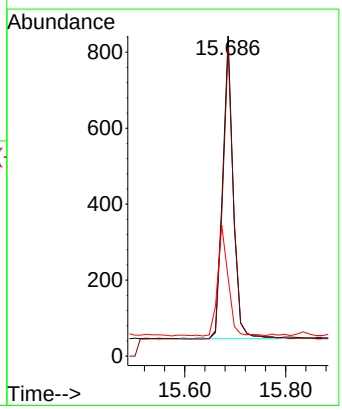
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

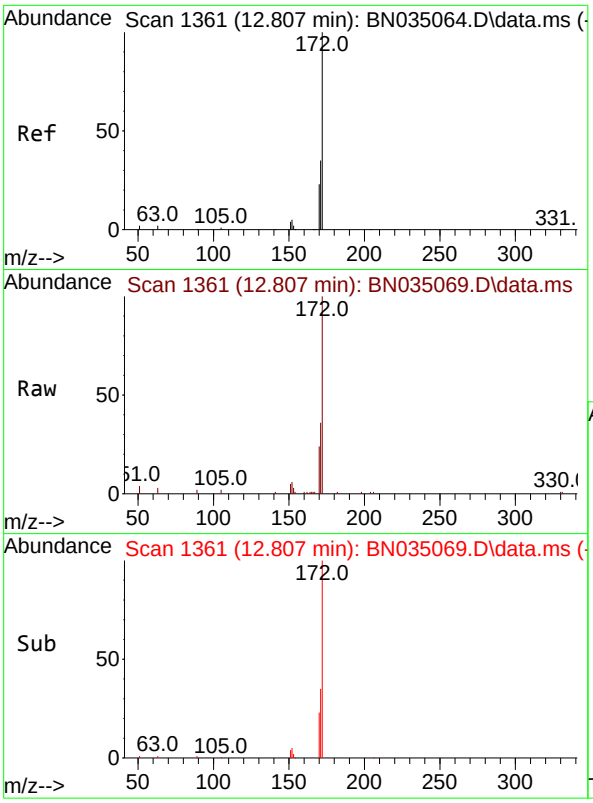


#14
2,4,6-Tribromophenol
Concen: 0.322 ng
RT: 15.686 min Scan# 1628
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:330 Resp: 1154

Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.9	115.3
141	36.7	29.6	44.4

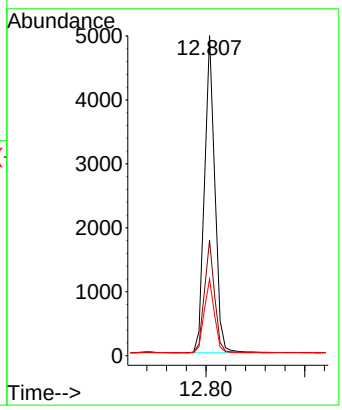




#15
2-Fluorobiphenyl
Concen: 0.357 ng
RT: 12.807 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:172 Resp: 720

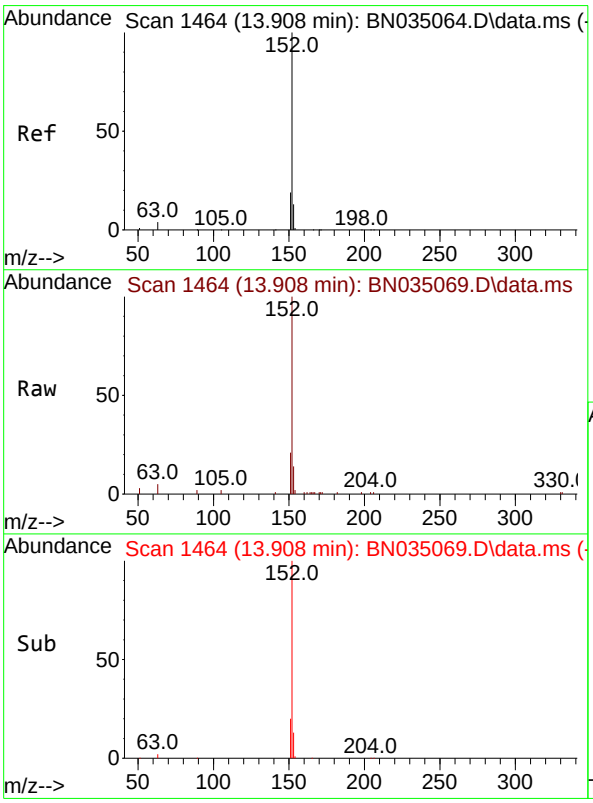
Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.2	42.4
170	23.9	19.0	28.6



Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations APPROVED

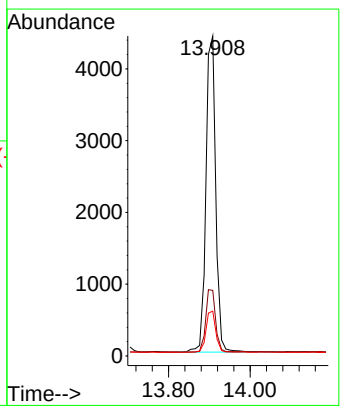
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

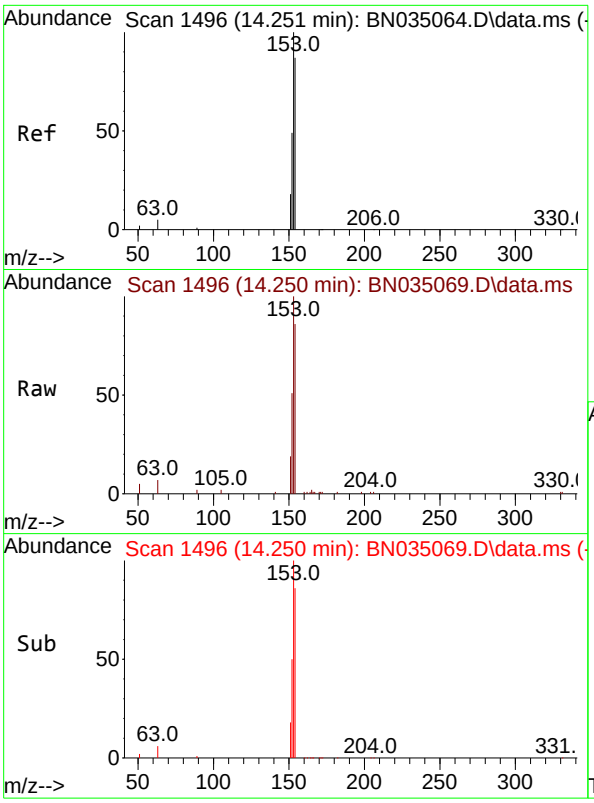


#16
Acenaphthylene
Concen: 0.348 ng
RT: 13.908 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:152 Resp: 7387

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.0	10.2	15.4

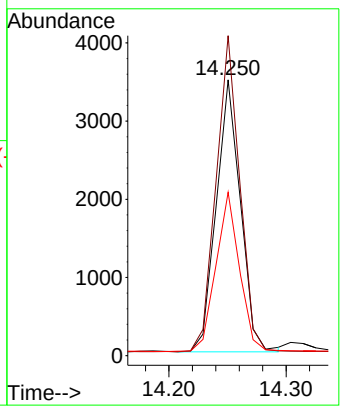




#17
Acenaphthene
Concen: 0.359 ng
RT: 14.250 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:154 Resp: 499

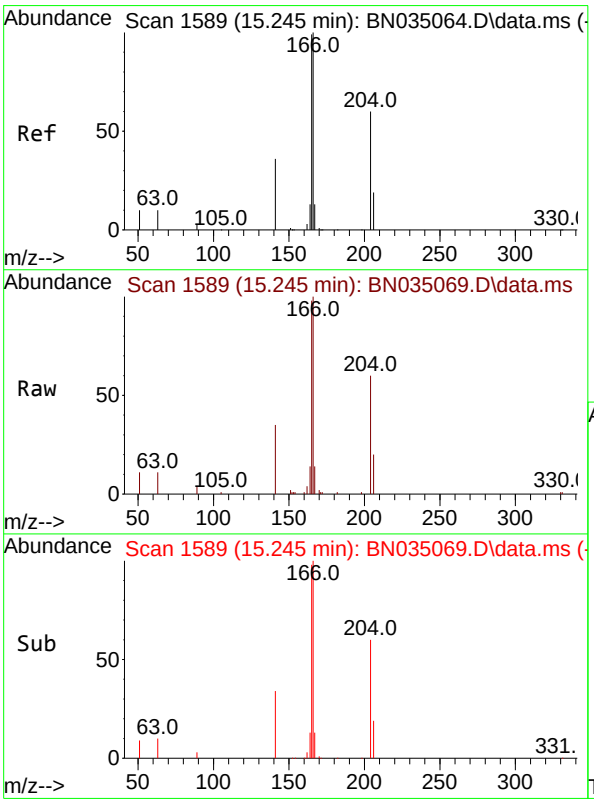
Ion	Ratio	Lower	Upper
154	100		
153	113.2	91.6	137.4
152	57.7	45.8	68.6



Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations
APPROVED

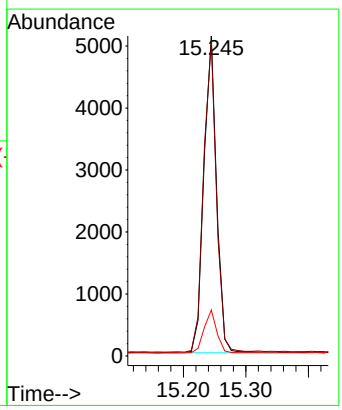
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

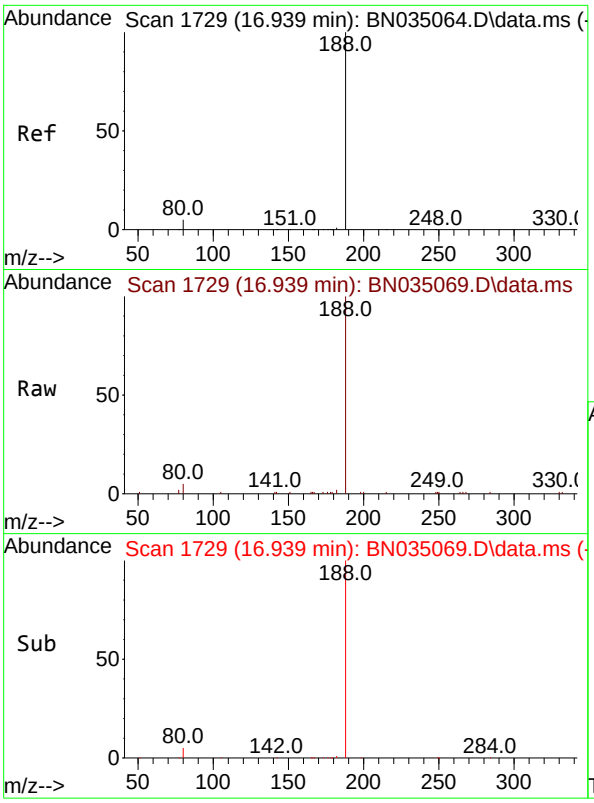


#18
Fluorene
Concen: 0.352 ng
RT: 15.245 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:166 Resp: 7206

Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.1	118.7
167	13.7	10.6	16.0

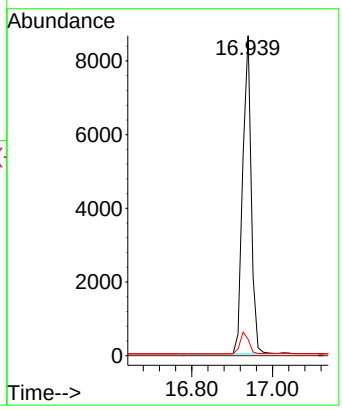




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.939 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:188 Resp: 1268

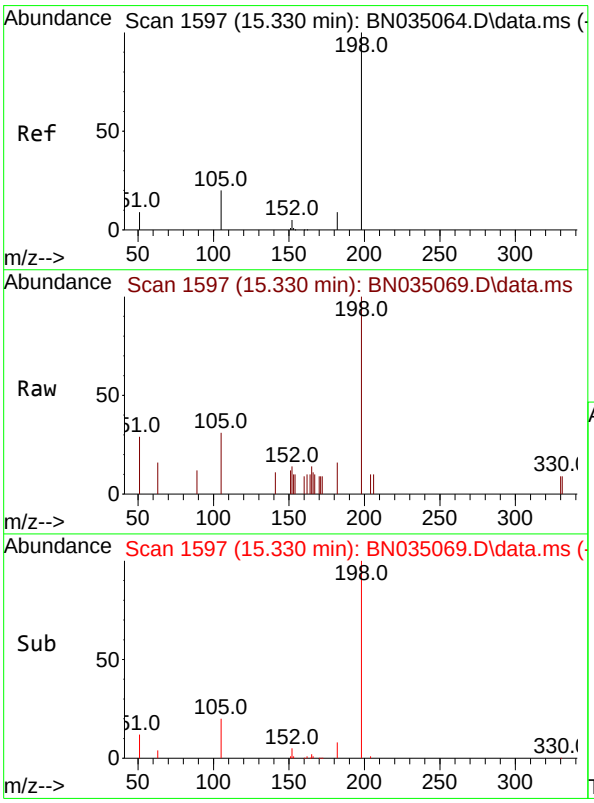
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.1	4.3	6.5



Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations APPROVED

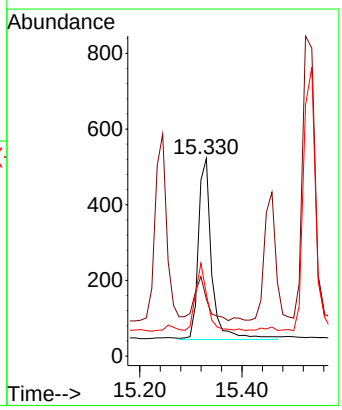
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

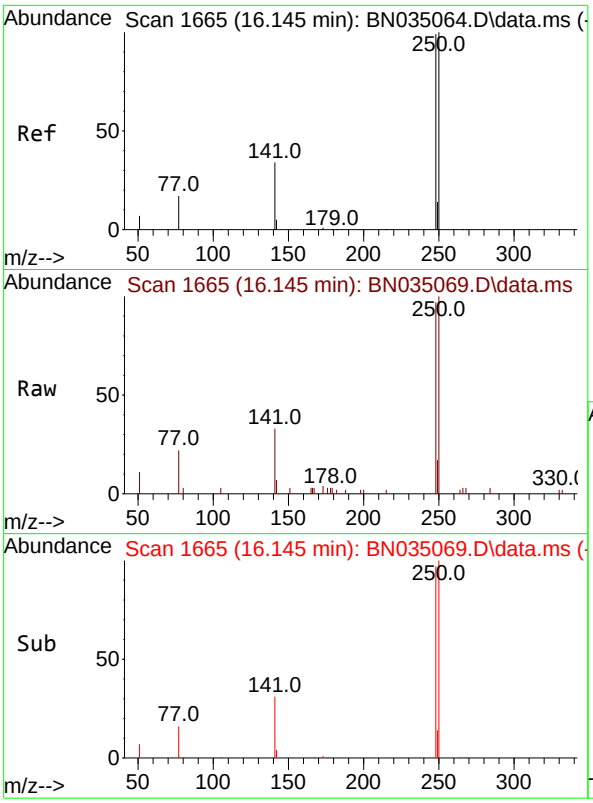


#20
4,6-Dinitro-2-methylphenol
Concen: 0.330 ng m
RT: 15.330 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:198 Resp: 870

Ion	Ratio	Lower	Upper
198	100		
51	28.7	29.9	44.9#
105	31.4	23.7	35.5

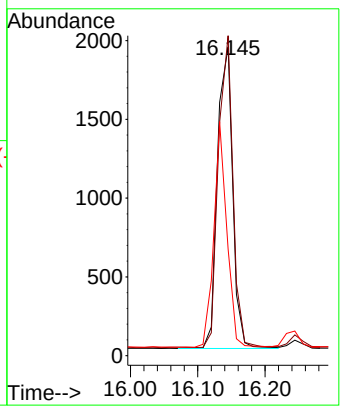




#21
4-Bromophenyl-phenylether
Concen: 0.371 ng
RT: 16.145 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:248 Resp: 300

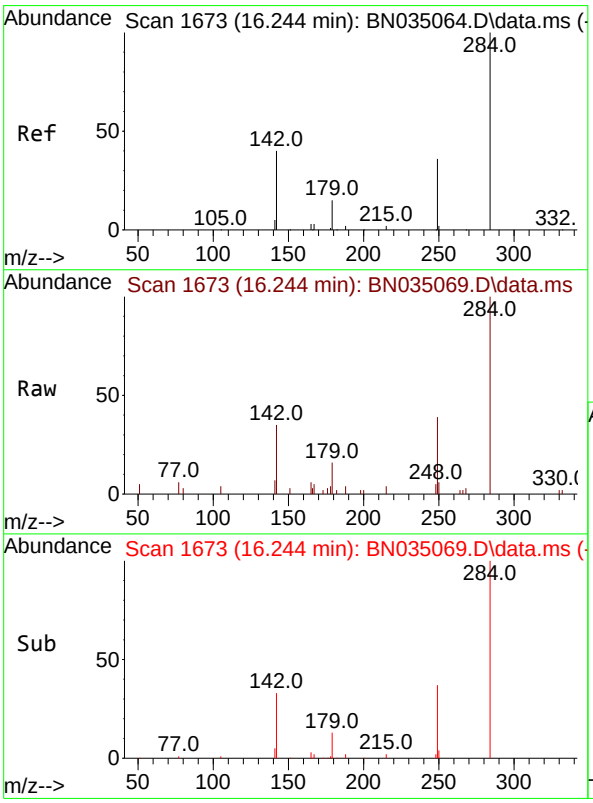
Ion	Ratio	Lower	Upper
248	100		
250	103.6	81.2	121.8
141	34.5	29.1	43.7



Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations
APPROVED

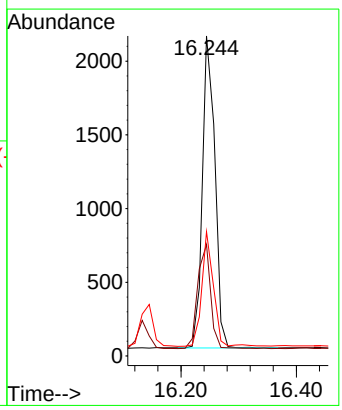
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

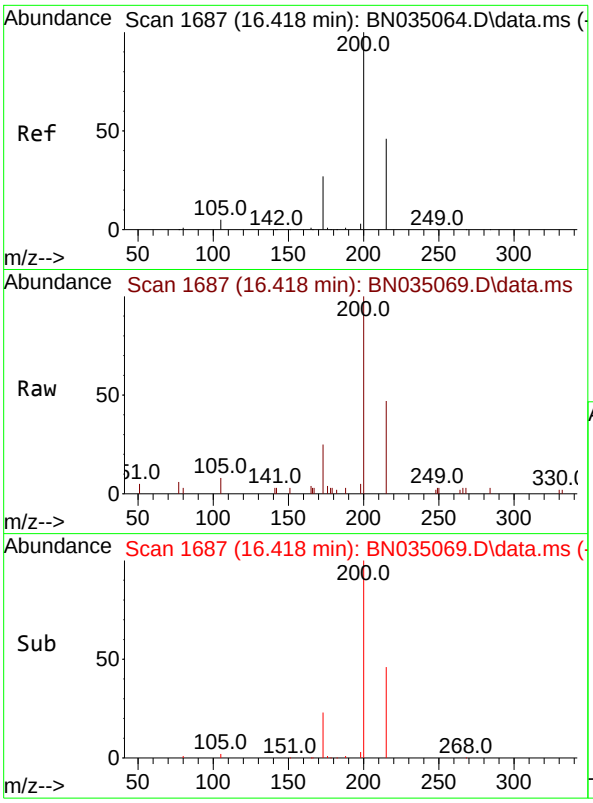


#22
Hexachlorobenzene
Concen: 0.379 ng
RT: 16.244 min Scan# 1673
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:284 Resp: 3175

Ion	Ratio	Lower	Upper
284	100		
142	34.7	28.2	42.4
249	33.7	26.2	39.2

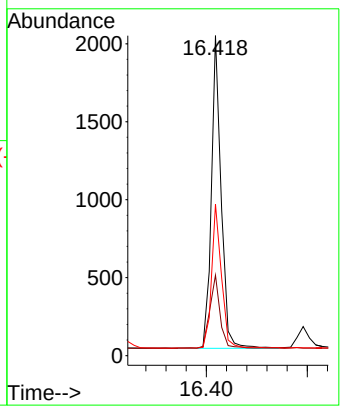




#23
Atrazine
Concen: 0.370 ng
RT: 16.418 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:200 Resp: 268

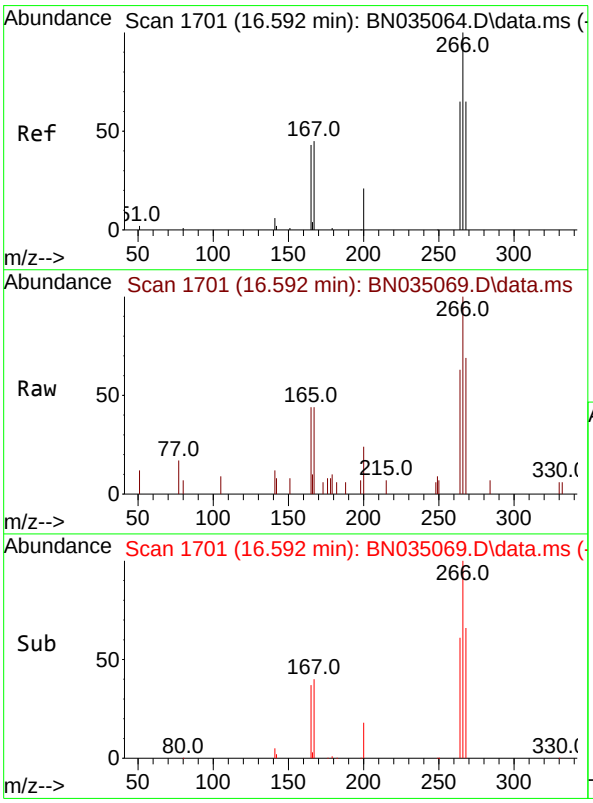
Ion	Ratio	Lower	Upper
200	100		
173	25.1	22.6	33.8
215	47.3	37.8	56.6



Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations APPROVED

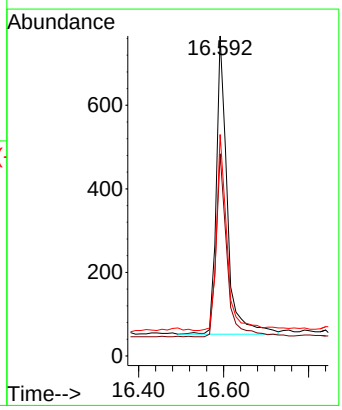
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

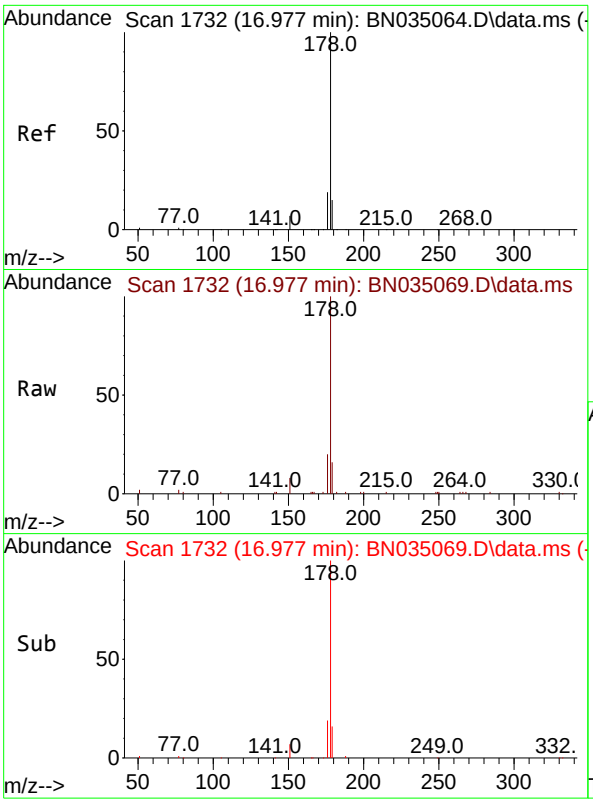


#24
Pentachlorophenol
Concen: 0.324 ng
RT: 16.592 min Scan# 1701
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:266 Resp: 1269

Ion	Ratio	Lower	Upper
266	100		
264	60.5	49.4	74.0
268	63.4	52.6	79.0

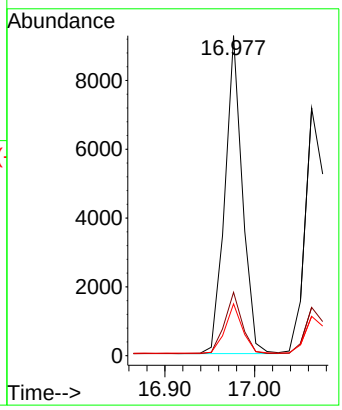




#25
Phenanthrene
Concen: 0.375 ng
RT: 16.977 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:178 Resp: 1251

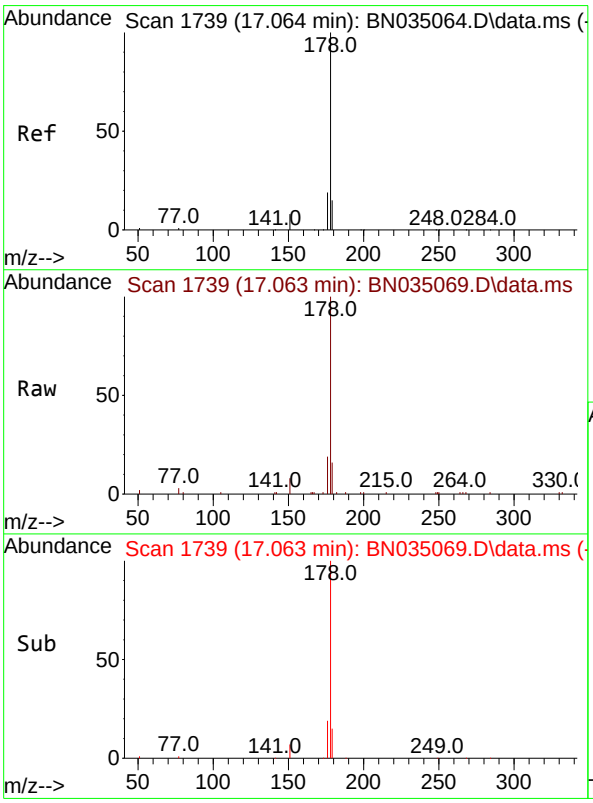
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.2	22.8
179	15.6	12.6	18.8



Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations
APPROVED

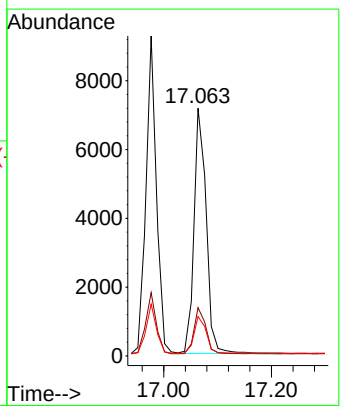
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

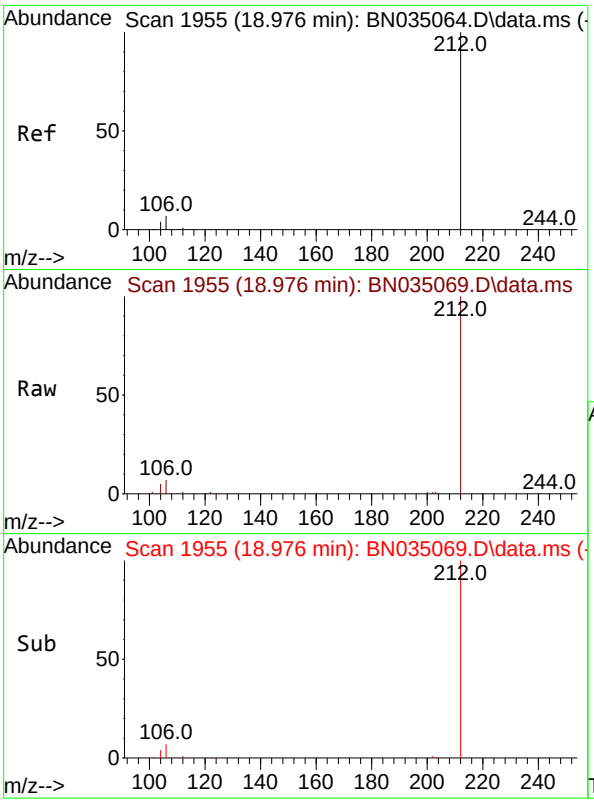


#26
Anthracene
Concen: 0.366 ng
RT: 17.063 min Scan# 1739
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:178 Resp: 11219

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.2	12.2	18.2

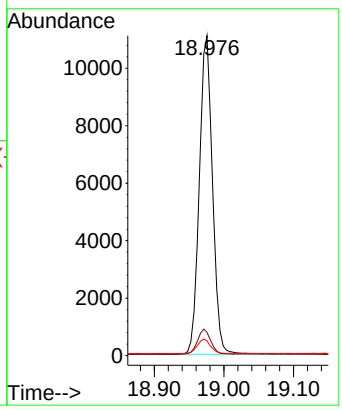




#27
Fluoranthene-d10
Concen: 0.374 ng
RT: 18.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:212 Resp: 1453

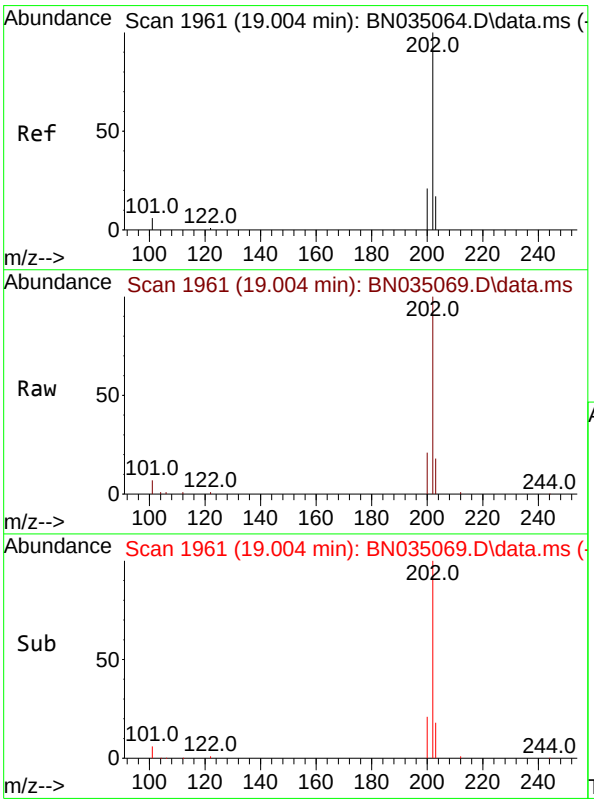
Ion	Ratio	Lower	Upper
212	100		
106	7.8	6.0	9.0
104	4.5	3.5	5.3



Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations
APPROVED

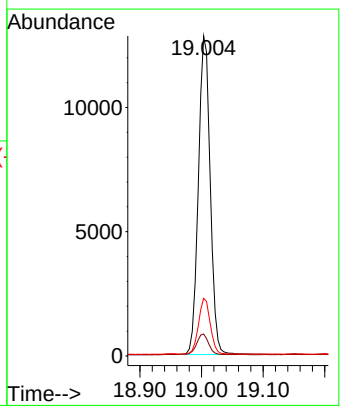
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

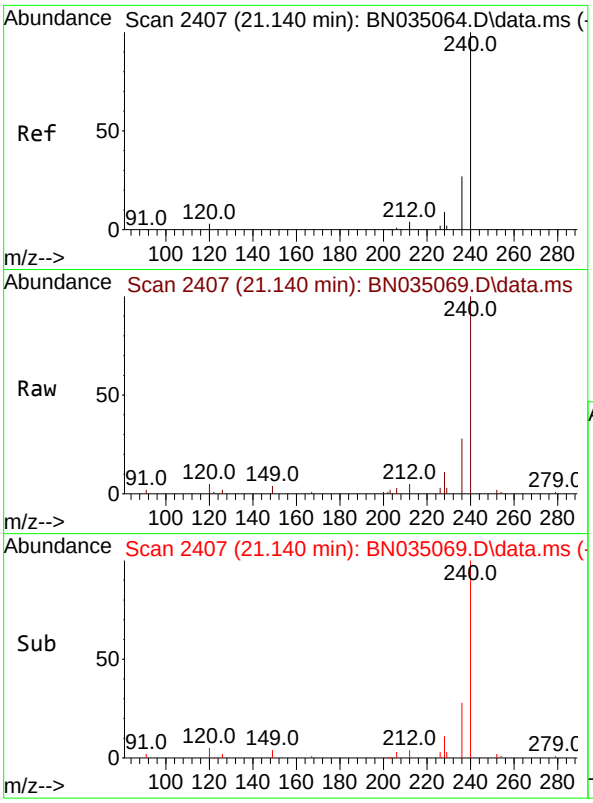


#28
Fluoranthene
Concen: 0.372 ng
RT: 19.004 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:202 Resp: 17084

Ion	Ratio	Lower	Upper
202	100		
101	6.6	5.2	7.8
203	17.3	13.8	20.8

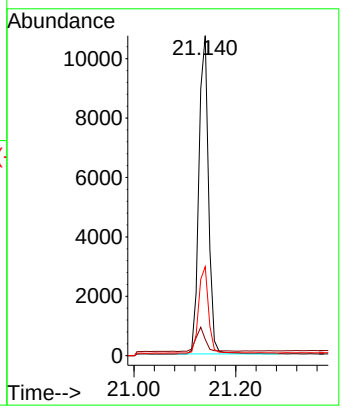




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.140 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:240 Resp: 1405

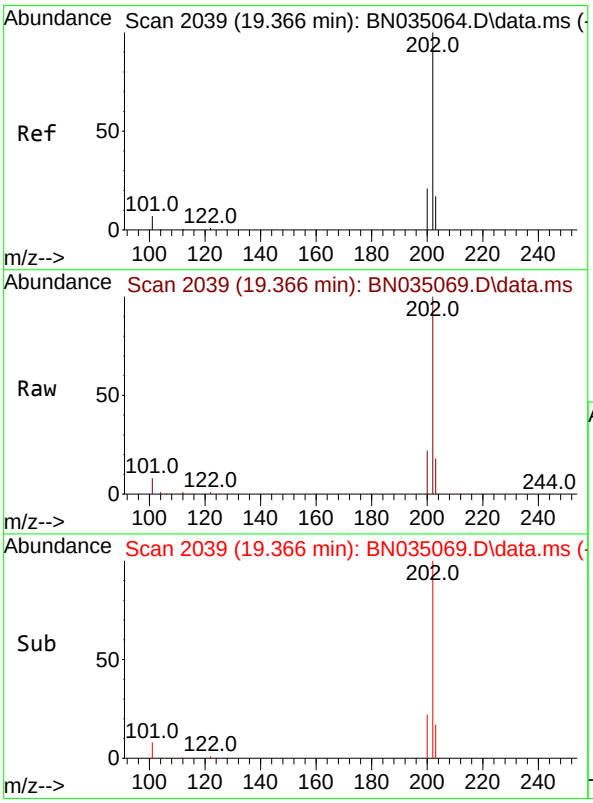
Ion	Ratio	Lower	Upper
240	100		
120	5.1	3.8	5.6
236	27.8	22.2	33.2



Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations
APPROVED

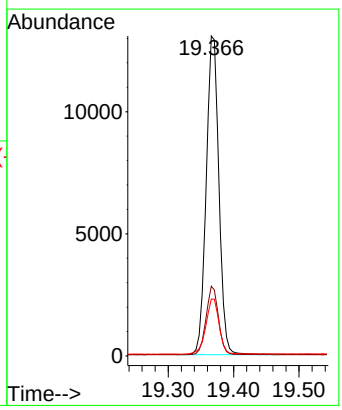
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

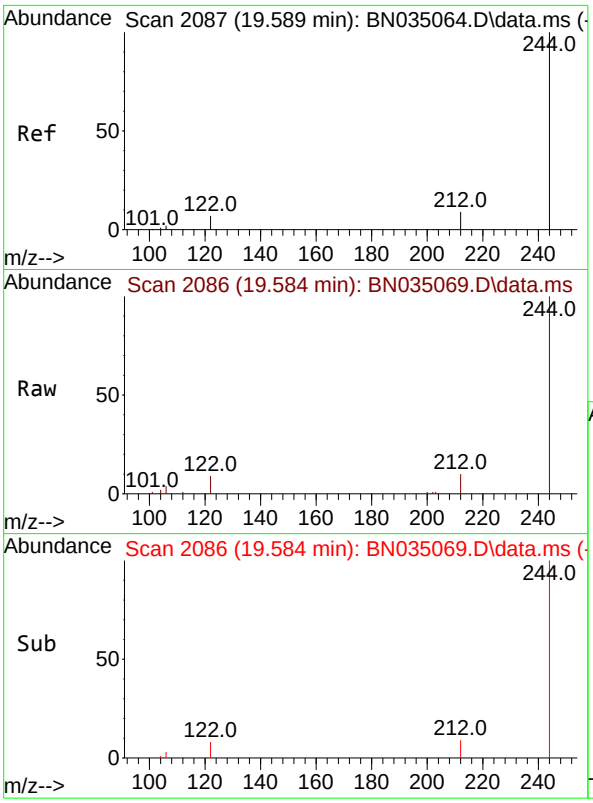


#30
Pyrene
Concen: 0.376 ng
RT: 19.366 min Scan# 2039
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:202 Resp: 17580

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	18.1	14.2	21.4

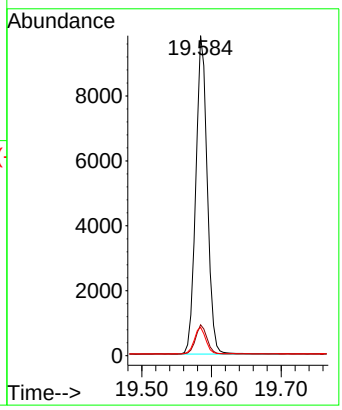




#31
Terphenyl-d14
Concen: 0.381 ng
RT: 19.584 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:244 Resp: 1124

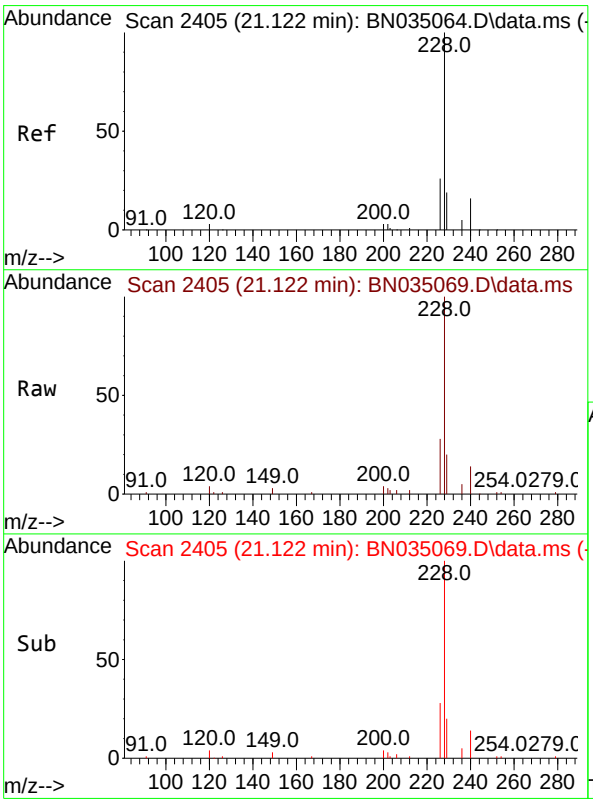
Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.6	11.4
122	8.9	6.1	9.1



Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations
APPROVED

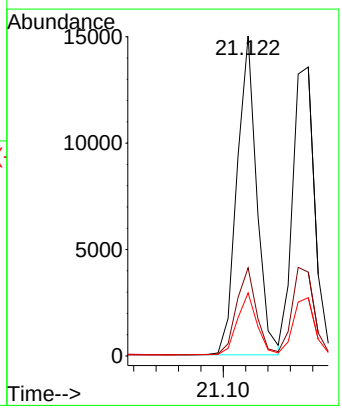
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

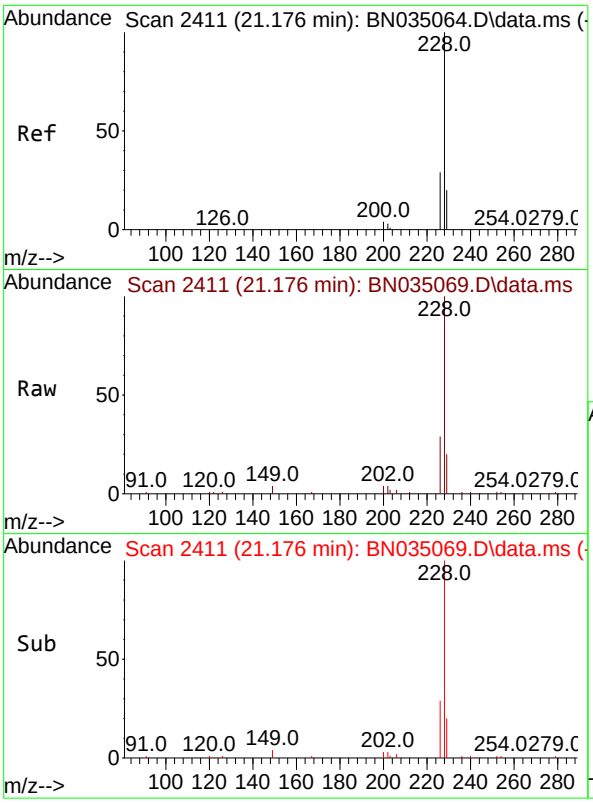


#32
Benzo(a)anthracene
Concen: 0.376 ng
RT: 21.122 min Scan# 2405
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:228 Resp: 18406

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.4	32.0
229	19.7	15.7	23.5

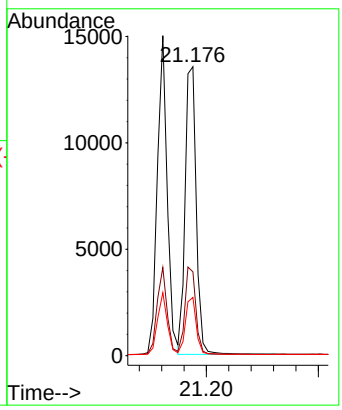




#33
Chrysene
Concen: 0.386 ng
RT: 21.176 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:228 Resp: 1869

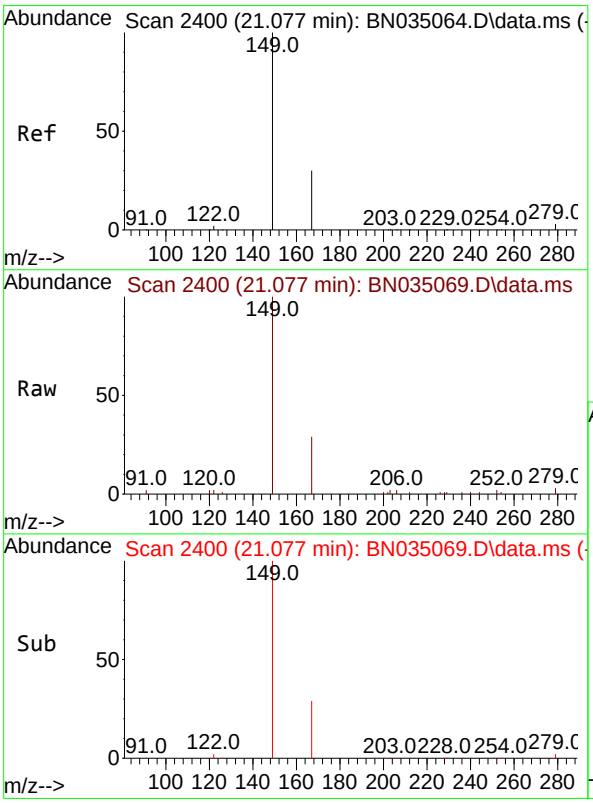
Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.7	35.5
229	20.2	16.2	24.4



Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations APPROVED

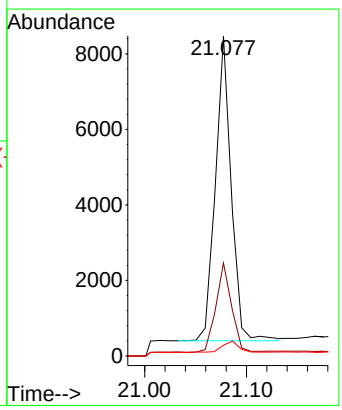
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

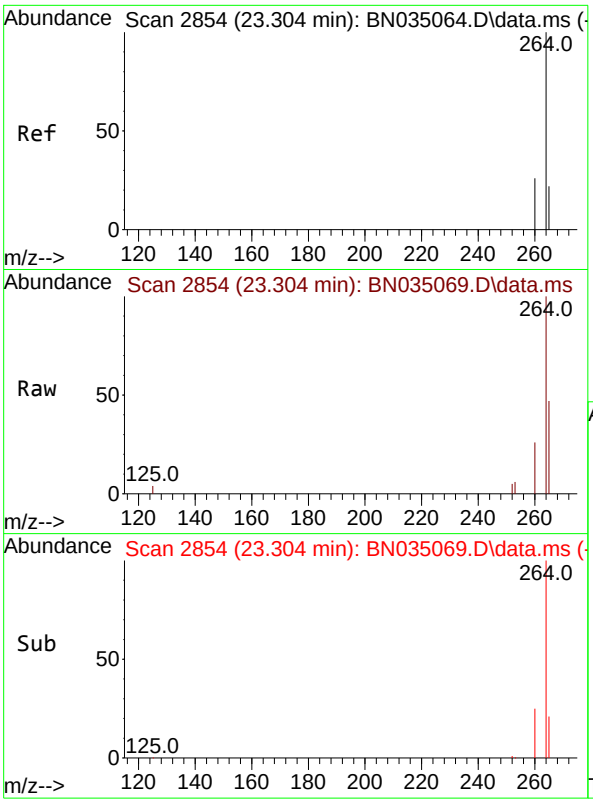


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.338 ng
RT: 21.077 min Scan# 2400
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:149 Resp: 8691

Ion	Ratio	Lower	Upper
149	100		
167	29.0	23.2	34.8
279	3.9	3.2	4.8

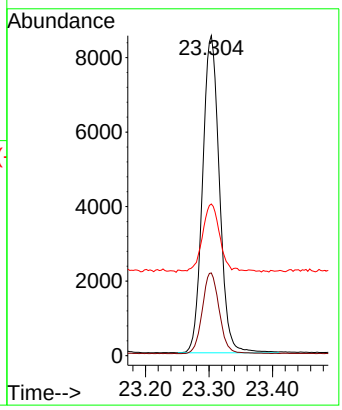




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.304 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:264 Resp: 1572

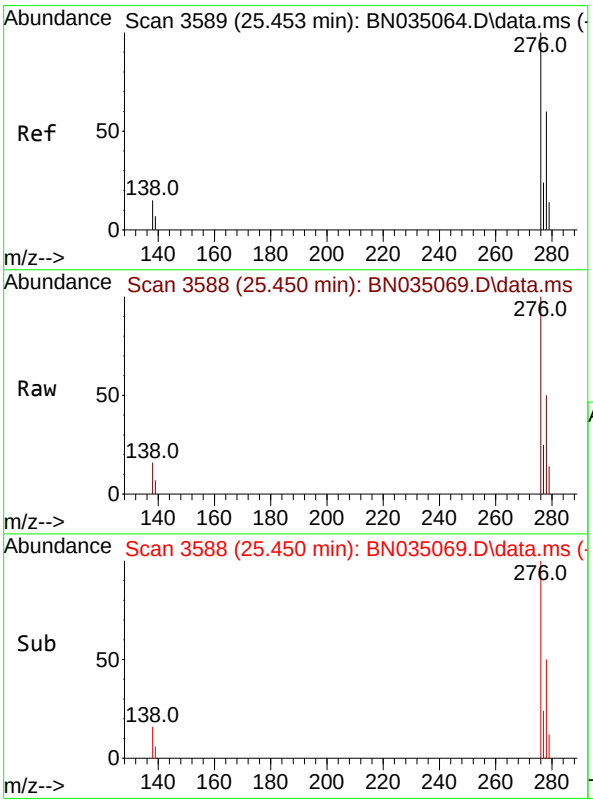
Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.9	31.3
265	47.4	35.4	53.2



Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations APPROVED

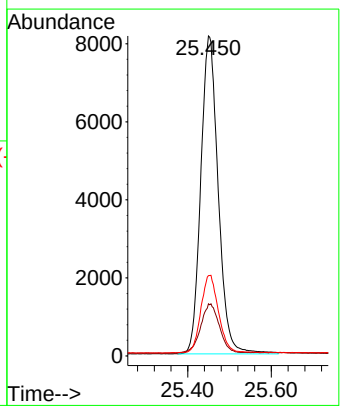
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

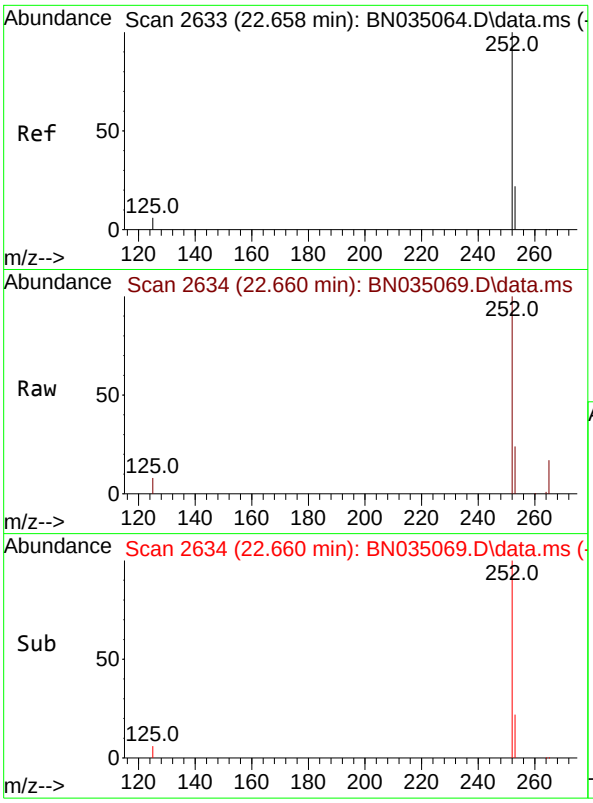


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.375 ng
RT: 25.450 min Scan# 3588
Delta R.T. -0.003 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:276 Resp: 23546

Ion	Ratio	Lower	Upper
276	100		
138	16.9	13.0	19.4
277	24.2	19.8	29.6

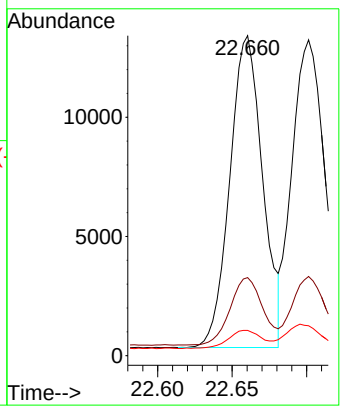




#37
Benzo(b)fluoranthene
Concen: 0.379 ng
RT: 22.660 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:252 Resp: 2003

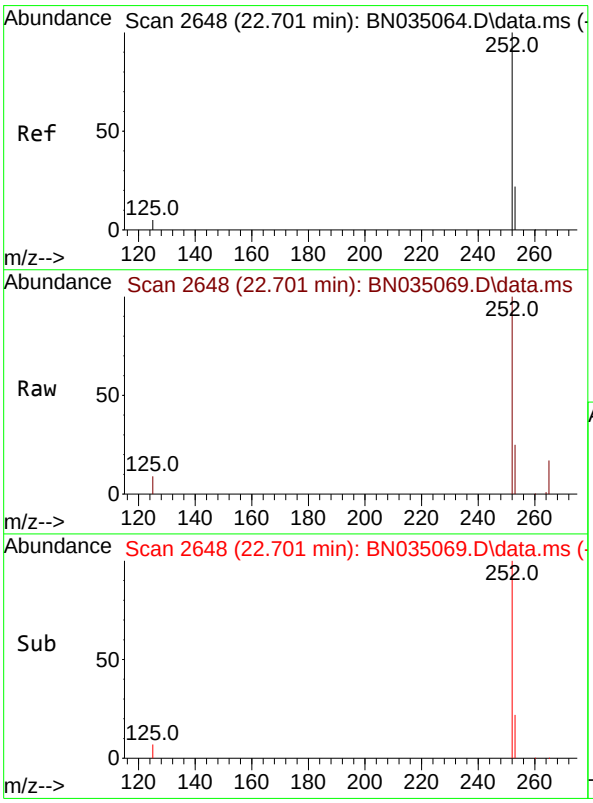
Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.3	28.9
125	7.9	6.2	9.2



Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations APPROVED

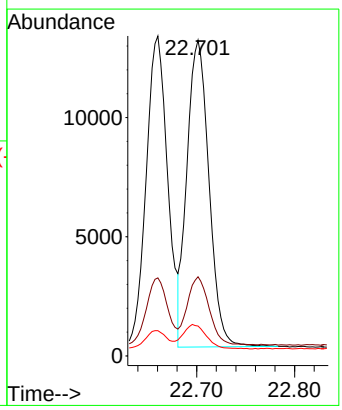
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

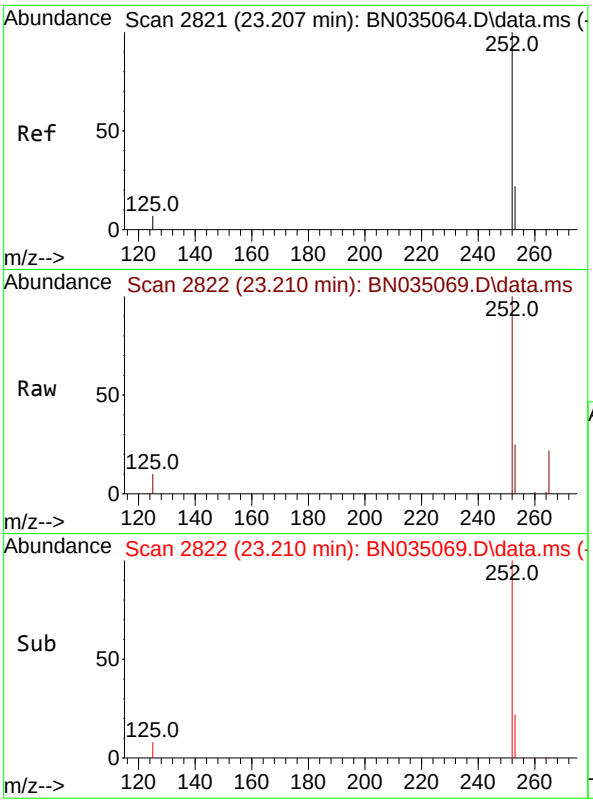


#38
Benzo(k)fluoranthene
Concen: 0.380 ng
RT: 22.701 min Scan# 2648
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:252 Resp: 20114

Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.5	29.3
125	9.5	6.5	9.7





#39
Benzo(a)pyrene
Concen: 0.378 ng
RT: 23.210 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

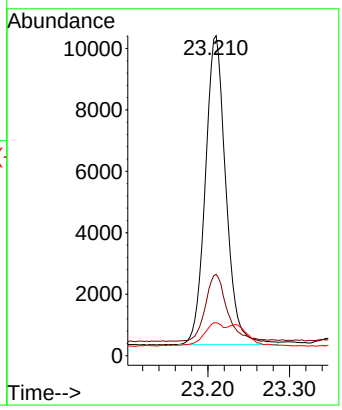
Tgt Ion:252 Resp: 1759

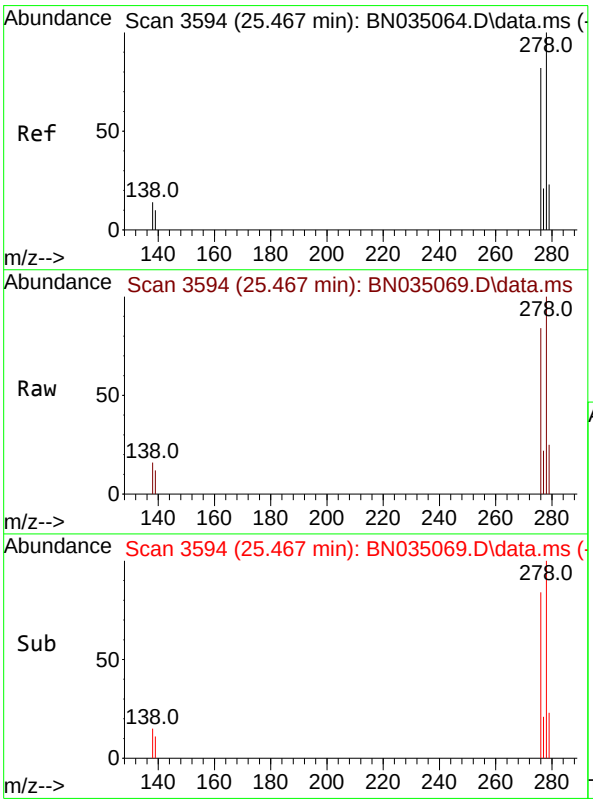
Ion	Ratio	Lower	Upper
252	100		
253	25.4	20.1	30.1
125	10.3	7.5	11.3

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

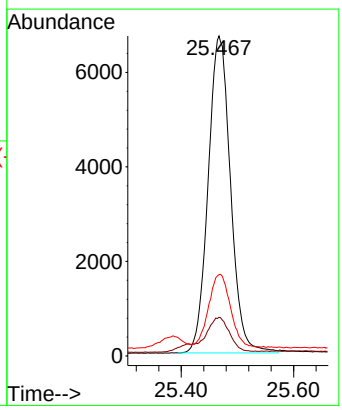


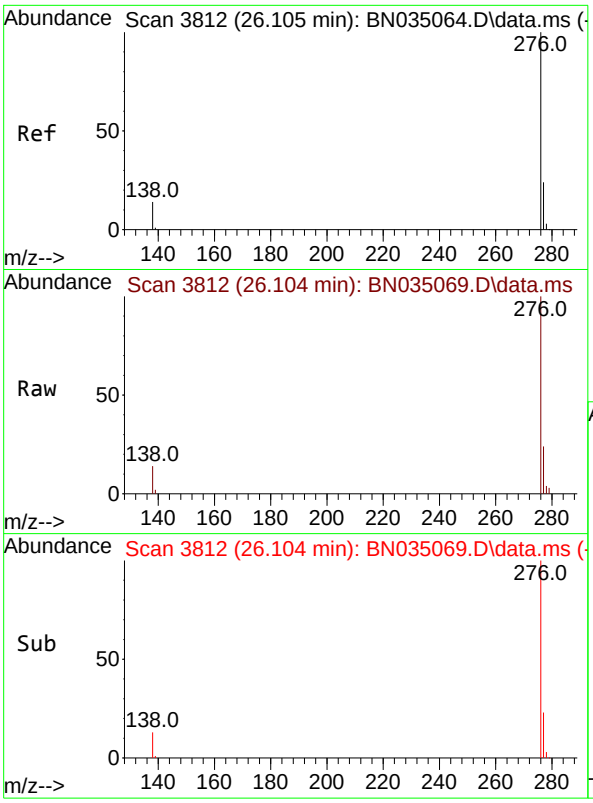


#40
Dibenzo(a,h)anthracene
Concen: 0.373 ng
RT: 25.467 min Scan# 3594
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:278 Resp: 18547

Ion	Ratio	Lower	Upper
278	100		
139	12.1	9.3	13.9
279	25.4	19.7	29.5

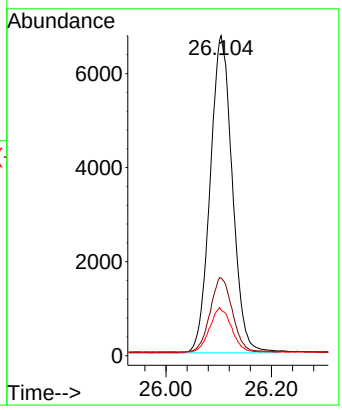




#41
Benzo(g,h,i)perylene
Concen: 0.372 ng
RT: 26.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:276 Resp: 1964

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.9	29.9
138	14.3	11.6	17.4



Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035069.D
Acq On : 13 Nov 2024 16:51
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Quant Time: Nov 13 17:18:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 17:18:14 2024
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	89	0.00
2		1,4-Dioxane	0.363	0.337	7.2	90	0.00
3		n-Nitrosodimethylamine	0.339	0.311	8.3	85	0.00
4	S	2-Fluorophenol	1.015	0.933	8.1	88	0.00
5	S	Phenol-d6	1.273	1.143	10.2	88	0.00
6		bis(2-Chloroethyl)ether	0.956	0.884	7.5	89	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	93	0.00
8	S	Nitrobenzene-d5	0.348	0.311	10.6	90	0.00
9		Naphthalene	1.044	0.957	8.3	91	0.00
10		Hexachlorobutadiene	0.306	0.285	6.9	90	0.00
11	SURR	2-Methylnaphthalene-d10	0.713	0.654	8.3	91	0.00
12		2-Methylnaphthalene	0.770	0.709	7.9	92	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	92	0.00
14	S	2,4,6-Tribromophenol	0.289	0.232	19.7	89	0.00
15	S	2-Fluorobiphenyl	1.624	1.451	10.7	91	0.00
16		Acenaphthylene	1.709	1.487	13.0	92	0.00
17		Acenaphthene	1.120	1.006	10.2	92	0.00
18		Fluorene	1.648	1.451	12.0	91	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	94	0.00
20		4,6-Dinitro-2-methylphenol	0.083	0.069	16.9	89	0.00
21		4-Bromophenyl-phenylether	0.255	0.237	7.1	90	0.00
22		Hexachlorobenzene	0.264	0.250	5.3	93	0.00
23		Atrazine	0.229	0.211	7.9	92	0.00
24		Pentachlorophenol	0.124	0.100	19.4	91	0.00
25		Phenanthrene	1.053	0.987	6.3	92	0.00
26		Anthracene	0.967	0.885	8.5	90	0.00
27	SURR	Fluoranthene-d10	1.225	1.146	6.4	92	0.00
28		Fluoranthene	1.448	1.347	7.0	91	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	94	0.00
30		Pyrene	1.332	1.251	6.1	91	0.00
31	S	Terphenyl-d14	0.839	0.800	4.6	93	0.00
32		Benzo(a)anthracene	1.393	1.310	6.0	93	0.00
33		Chrysene	1.380	1.330	3.6	94	0.00
34		Bis(2-ethylhexyl)phthalate	0.731	0.618	15.5	90	0.00
35	I	Perylene-d12	1.000	1.000	0.0	92	0.00
36		Indeno(1,2,3-cd)pyrene	1.596	1.497	6.2	91	0.00
37		Benzo(b)fluoranthene	1.346	1.274	5.3	92	0.00
38		Benzo(k)fluoranthene	1.347	1.279	5.0	92	0.00
39	C	Benzo(a)pyrene	1.184	1.119	5.5	92	0.00
40		Dibenzo(a,h)anthracene	1.264	1.180	6.6	90	0.00
41		Benzo(g,h,i)perylene	1.345	1.250	7.1	89	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035069.D
Acq On : 13 Nov 2024 16:51
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Quant Time: Nov 13 17:18:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 17:18:14 2024
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	89	0.00
2		1,4-Dioxane	0.400	0.371	7.3	90	0.00
3		n-Nitrosodimethylamine	0.400	0.368	8.0	85	0.00
4	S	2-Fluorophenol	0.400	0.368	8.0	88	0.00
5	S	Phenol-d6	0.400	0.359	10.3	88	0.00
6		bis(2-Chloroethyl)ether	0.400	0.370	7.5	89	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	93	0.00
8	S	Nitrobenzene-d5	0.400	0.358	10.5	90	0.00
9		Naphthalene	0.400	0.366	8.5	91	0.00
10		Hexachlorobutadiene	0.400	0.373	6.8	90	0.00
11	SURR	2-Methylnaphthalene-d10	0.400	0.367	8.3	91	0.00
12		2-Methylnaphthalene	0.400	0.368	8.0	92	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	92	0.00
14	S	2,4,6-Tribromophenol	0.400	0.322	19.5	89	0.00
15	S	2-Fluorobiphenyl	0.400	0.357	10.8	91	0.00
16		Acenaphthylene	0.400	0.348	13.0	92	0.00
17		Acenaphthene	0.400	0.359	10.3	92	0.00
18		Fluorene	0.400	0.352	12.0	91	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	94	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.330	17.5	89	0.00
21		4-Bromophenyl-phenylether	0.400	0.371	7.3	90	0.00
22		Hexachlorobenzene	0.400	0.379	5.3	93	0.00
23		Atrazine	0.400	0.370	7.5	92	0.00
24		Pentachlorophenol	0.400	0.324	19.0	91	0.00
25		Phenanthrene	0.400	0.375	6.3	92	0.00
26		Anthracene	0.400	0.366	8.5	90	0.00
27	SURR	Fluoranthene-d10	0.400	0.374	6.5	92	0.00
28		Fluoranthene	0.400	0.372	7.0	91	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	94	0.00
30		Pyrene	0.400	0.376	6.0	91	0.00
31	S	Terphenyl-d14	0.400	0.381	4.8	93	0.00
32		Benzo(a)anthracene	0.400	0.376	6.0	93	0.00
33		Chrysene	0.400	0.386	3.5	94	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.338	15.5	90	0.00
35	I	Perylene-d12	0.400	0.400	0.0	92	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.375	6.3	91	0.00
37		Benzo(b)fluoranthene	0.400	0.379	5.3	92	0.00
38		Benzo(k)fluoranthene	0.400	0.380	5.0	92	0.00
39	C	Benzo(a)pyrene	0.400	0.378	5.5	92	0.00
40		Dibenzo(a,h)anthracene	0.400	0.373	6.8	90	0.00
41		Benzo(g,h,i)perylene	0.400	0.372	7.0	89	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN112524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Nov 26 02:36:08 2024
Response Via : Initial Calibration

Calibration Files
0.1 =BN035277.D 0.2 =BN035278.D 0.4 =BN035279.D 0.8 =BN035280.D 1.6 =BN035281.D 3.2 =BN035282.D 5.0 =BN035283.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	0.375	0.276	0.287	0.263	0.284	0.262	0.267	0.288	13.80
3)		n-Nitrosodimet...		0.279	0.284	0.306	0.313	0.299	0.306	0.298	4.56
4)	S	2-Fluorophenol	0.858	0.793	0.789	0.725	0.730	0.678	0.718	0.756	8.00
5)	S	Phenol-d6	1.194	1.125	1.105	1.022	1.025	0.963	0.955	1.056	8.40
6)		bis(2-Chloroet...	0.910	0.870	0.896	0.887	0.914	0.874	0.869	0.889	2.11
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.267	0.272	0.347	0.327	0.356	0.348	0.354	0.324	11.95
9)		Naphthalene	1.085	1.055	1.091	1.075	1.150	1.140	1.174	1.110	4.01
10)		Hexachlorobuta...	0.281	0.289	0.312	0.311	0.339	0.330	0.322	0.312	6.74
11)	SURR	2-Methylnaphth...	0.561	0.531	0.539	0.527	0.566	0.580	0.616	0.560	5.61
12)		2-Methylnaphth...	0.690	0.680	0.680	0.675	0.748	0.782	0.829	0.726	8.37
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.174	0.174	0.180	0.186	0.213	0.230	0.272	0.204	17.97
15)	S	2-Fluorobiphenyl	0.595	0.424	0.245	0.118	0.082	0.049	0.033	0.221	97.20
16)		Acenaphthylene	1.859	1.869	1.885	1.919	2.117	2.147	2.294	2.013	8.53
17)		Acenaphthene	1.144	1.158	1.176	1.194	1.341	1.386	1.473	1.267	10.33
18)		Fluorene	1.538	1.617	1.634	1.688	1.907	1.985	2.068	1.777	11.63
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...		0.027	0.034	0.039	0.048	0.056		0.041	27.63
21)		4-Bromophenyl-...	0.248	0.236	0.235	0.233	0.252	0.271	0.300	0.254	9.59
22)		Hexachlorobenzene	0.326	0.336	0.352	0.363	0.391	0.381	0.394	0.363	7.33
23)		Atrazine	0.091	0.095	0.100	0.100	0.114	0.117	0.133	0.107	13.85
24)		Pentachlorophenol		0.067	0.079	0.082	0.097	0.112		0.087	19.82
25)		Phenanthrene	1.121	1.103	1.131	1.162	1.271	1.364	1.448	1.229	11.00
26)		Anthracene	0.904	0.899	0.911	0.953	1.100	1.252	1.367	1.055	18.01
27)	SURR	Fluoranthene-d10	0.953	0.963	0.967	0.998	1.120	1.224	1.269	1.070	12.46
28)		Fluoranthene	1.248	1.282	1.340	1.453	1.732	1.890	1.907	1.550	18.48
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.357	1.179	1.528	1.271	1.779	1.615		1.455 E1	15.55
31)	S	Terphenyl-d14	0.628	0.551	0.726	0.608	0.862	0.764	1.035	0.739 E1	22.66
32)		Benzo(a)anthra...	1.299	1.119	1.382	1.150	1.641	1.439	1.714	1.392 E1	16.32
33)		Chrysene	1.299	1.119	1.382	1.150	1.641	1.439	1.714	1.392 E1	16.32
34)		Bis(2-ethylhex...		1.747	0.910	0.506	0.436	0.229		0.765	78.59
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN112524.M

36)		Indeno(1,2,3-c...	1.377	1.410	1.523	1.574	1.744	1.787	2.049	1.638	14.53
37)		Benzo(b)fluora...	1.505	1.552	1.452	1.714	1.877	2.005	2.064	1.738	14.25
38)		Benzo(k)fluora...	1.567	1.585	1.632	1.796	2.049	2.079	2.165	1.839	13.87
39)	C	Benzo(a)pyrene	1.191	1.181	1.143	1.297	1.428	1.476	1.586	1.329	12.80
40)		Dibenzo(a,h)an...	0.961	1.028	1.107	1.202	1.353	1.402	1.612	1.238	18.62
41)		Benzo(g,h,i)pe...	1.296	1.311	1.241	1.412	1.508	1.517	1.737	1.432	11.97

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035277.D
Acq On : 25 Nov 2024 10:16
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Nov 25 14:17:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:16:35 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.315	152	2616	0.400	ng		0.00
7) Naphthalene-d8	10.063	136	6701	0.400	ng		0.00
13) Acenaphthene-d10	13.976	164	3999	0.400	ng		0.00
19) Phenanthrene-d10	16.734	188	9103	0.400	ng		0.00
29) Chrysene-d12	21.008	240	834	0.400	ng		0.00
35) Perylene-d12	23.081	264	5298	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.968	112	561	0.084	ng		0.00
5) Phenol-d6	6.520	99	781	0.094	ng		0.00
8) Nitrobenzene-d5	8.450	82	447m	0.077	ng		0.00
11) 2-Methylnaphthalene-d10	11.670	152	939	0.079	ng		0.00
14) 2,4,6-Tribromophenol	15.484	330	174	0.060	ng		0.00
15) 2-Fluorobiphenyl	12.608	172	595	0.037	ng		0.00
27) Fluoranthene-d10	18.792	212	2168	0.078	ng		0.00
31) Terphenyl-d14	19.419	244	1310	0.749	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.010	88	245	0.103	ng	#	78
6) bis(2-Chloroethyl)ether	6.766	93	595	0.095	ng		97
9) Naphthalene	10.116	128	1817	0.104	ng	#	92
10) Hexachlorobutadiene	10.415	225	471	0.092	ng	#	98
12) 2-Methylnaphthalene	11.746	142	1156	0.090	ng		98
16) Acenaphthylene	13.688	152	1859	0.109	ng		99
17) Acenaphthene	14.030	154	1144	0.102	ng		92
18) Fluorene	15.035	166	1538	0.093	ng		99
21) 4-Bromophenyl-phenylether	15.952	248	565	0.097	ng	#	70
22) Hexachlorobenzene	16.051	284	743	0.123	ng		98
23) Atrazine	16.237	200	206	0.040	ng	#	82
25) Phenanthrene	16.783	178	2552	0.107	ng		99
26) Anthracene	16.870	178	2057	0.093	ng		99
28) Fluoranthene	18.825	202	2840	0.086	ng		99
30) Pyrene	19.192	202	2830	1.019	ng		100
32) Benzo(a)anthracene	21.017	228	2709	0.933	ng		98
33) Chrysene	21.017	228	2709	0.942	ng		98
36) Indeno(1,2,3-cd)pyrene	25.121	276	1824	0.086	ng		98
37) Benzo(b)fluoranthene	22.464	252	1993	0.112	ng	#	78
38) Benzo(k)fluoranthene	22.505	252	2076	0.116	ng	#	78
39) Benzo(a)pyrene	22.987	252	1578	0.101	ng	#	73
40) Dibenzo(a,h)anthracene	25.142	278	1273	0.076	ng	#	76
41) Benzo(g,h,i)perylene	25.738	276	1716	0.096	ng	#	88

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

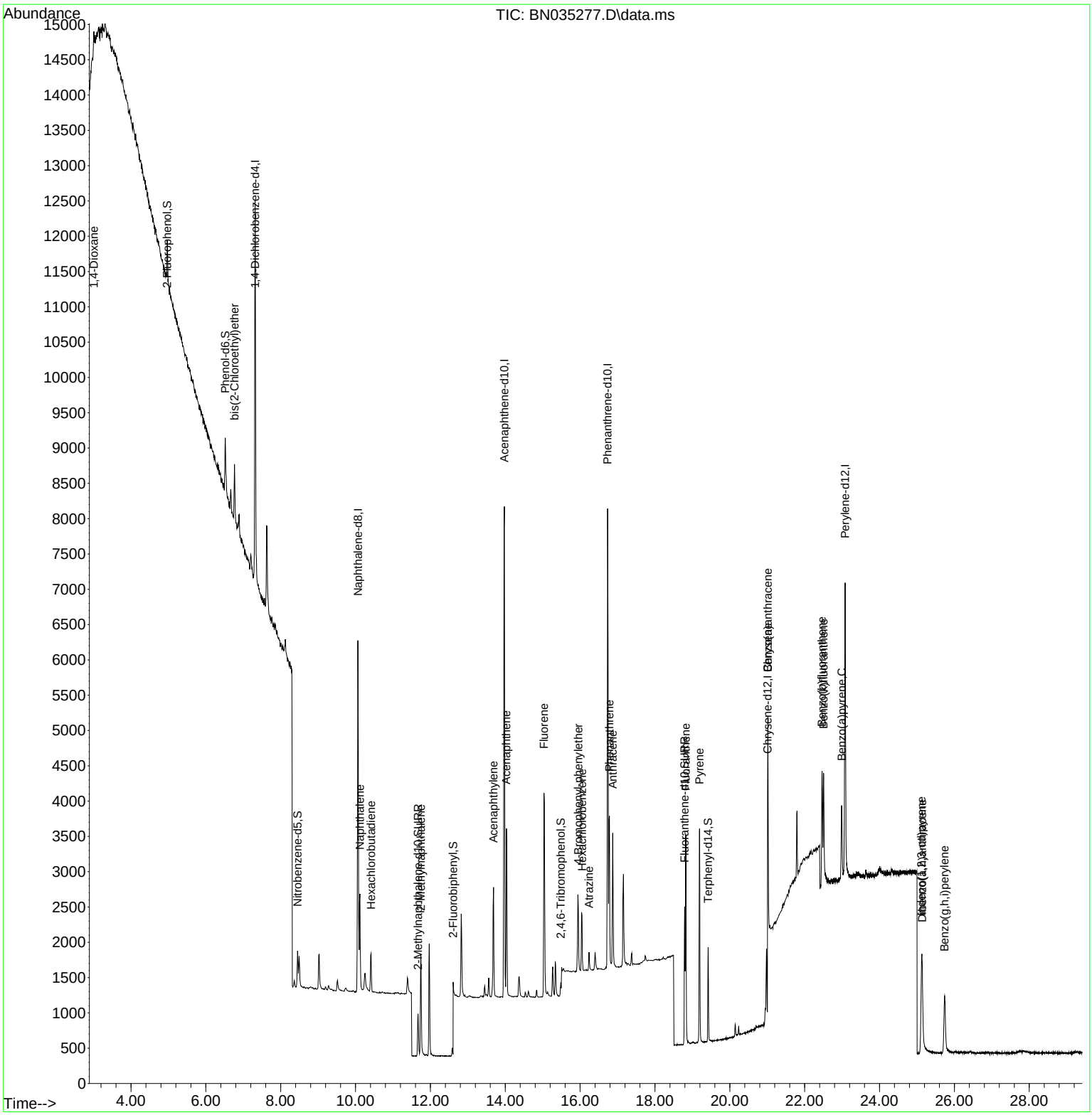
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035277.D
Acq On : 25 Nov 2024 10:16
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 52 Sample Multiplier: 1

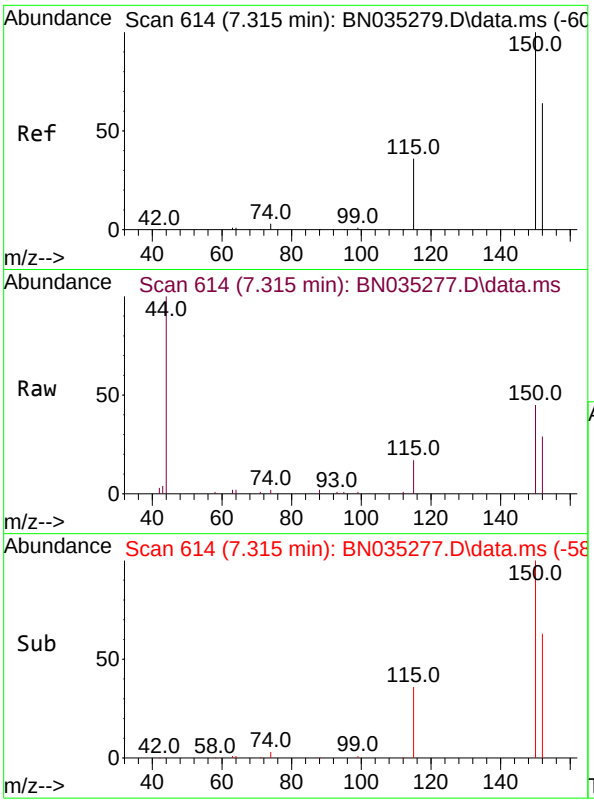
Quant Time: Nov 25 14:17:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:16:35 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

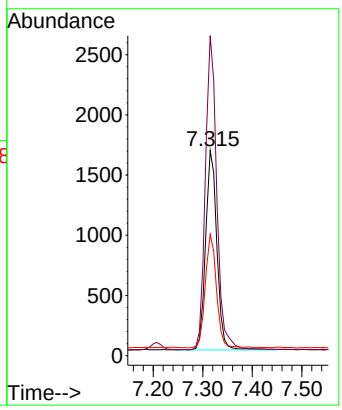




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:152 Resp: 261

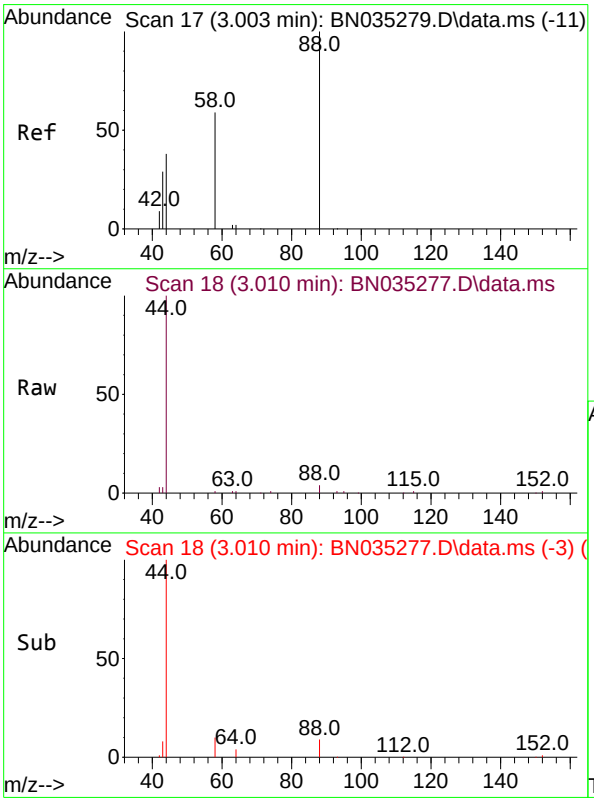
Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.5	186.7
115	59.1	47.8	71.8



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED

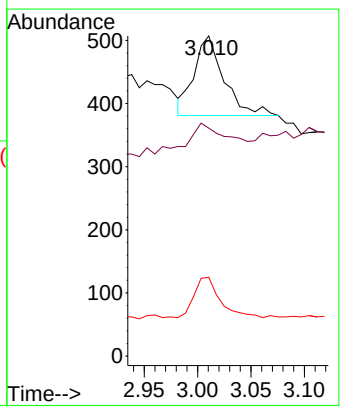
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

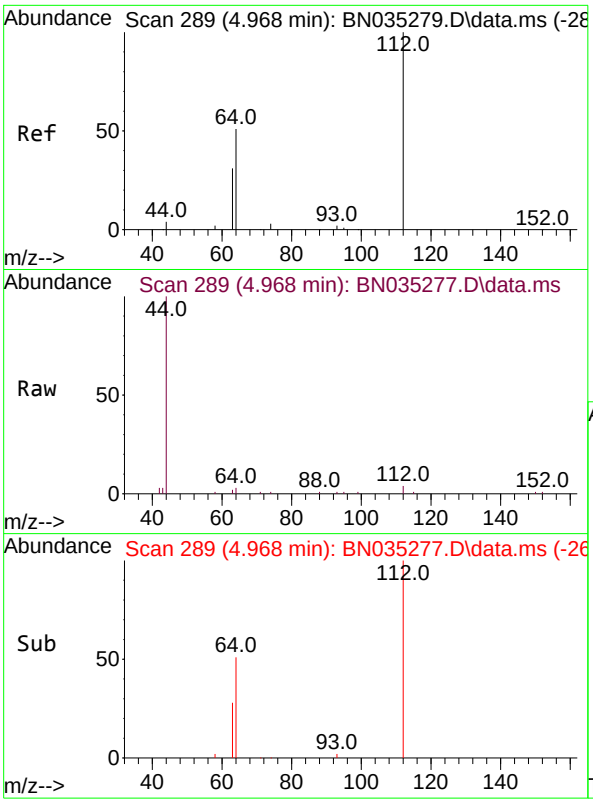


#2
1,4-Dioxane
Concen: 0.103 ng
RT: 3.010 min Scan# 18
Delta R.T. 0.007 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion: 88 Resp: 245

Ion	Ratio	Lower	Upper
88	100		
43	78.8	48.1	72.1#
58	44.9	46.9	70.3#





#4
2-Fluorophenol
Concen: 0.084 ng
RT: 4.968 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

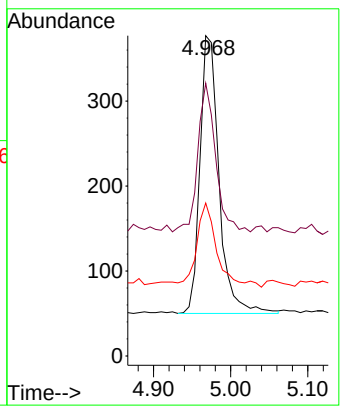
Tgt Ion:112 Resp: 56

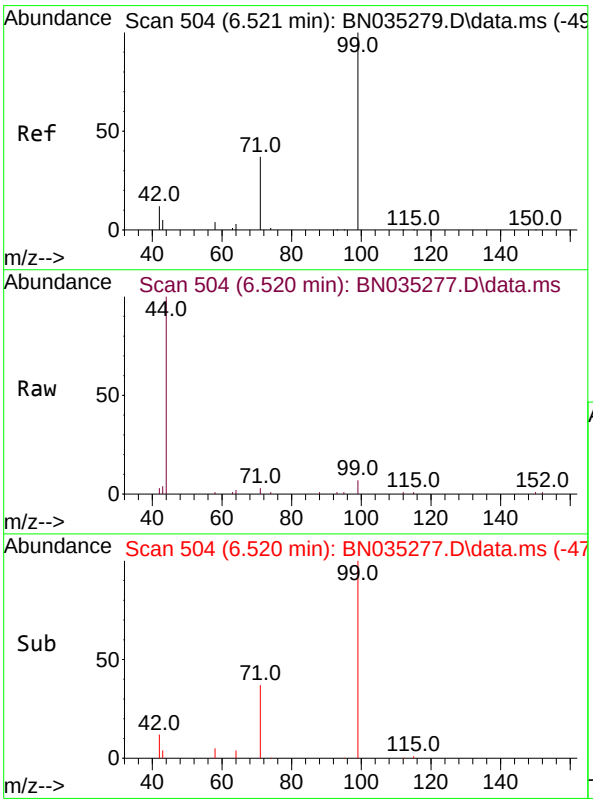
Ion	Ratio	Lower	Upper
112	100		
64	49.9	40.4	60.6
63	32.1	23.8	35.8

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

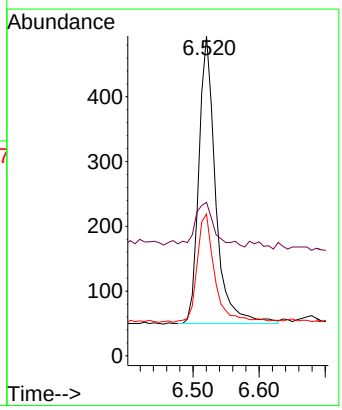


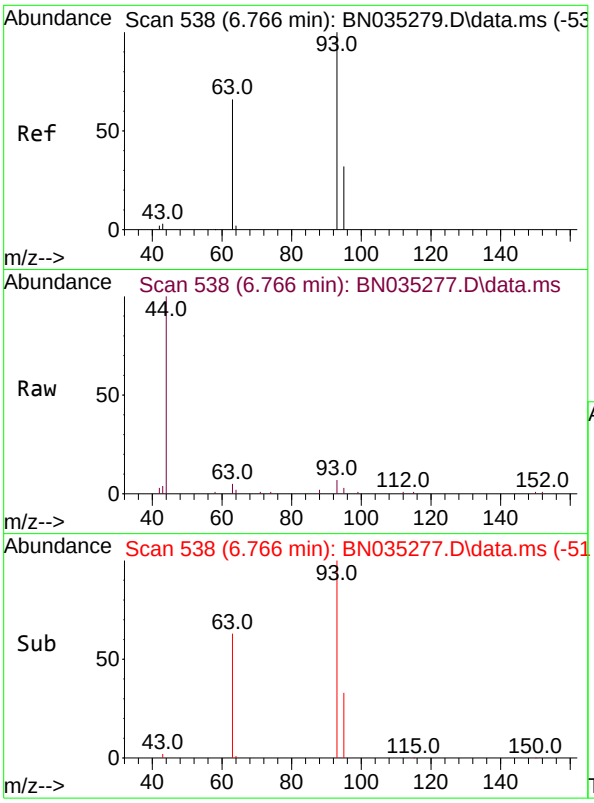


#5
Phenol-d6
Concen: 0.094 ng
RT: 6.520 min Scan# 504
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion: 99 Resp: 781

Ion	Ratio	Lower	Upper
99	100		
42	18.4	12.8	19.2
71	39.8	31.4	47.2

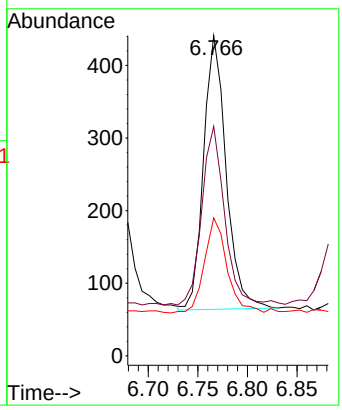




#6
bis(2-Chloroethyl)ether
Concen: 0.095 ng
RT: 6.766 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion: 93 Resp: 59

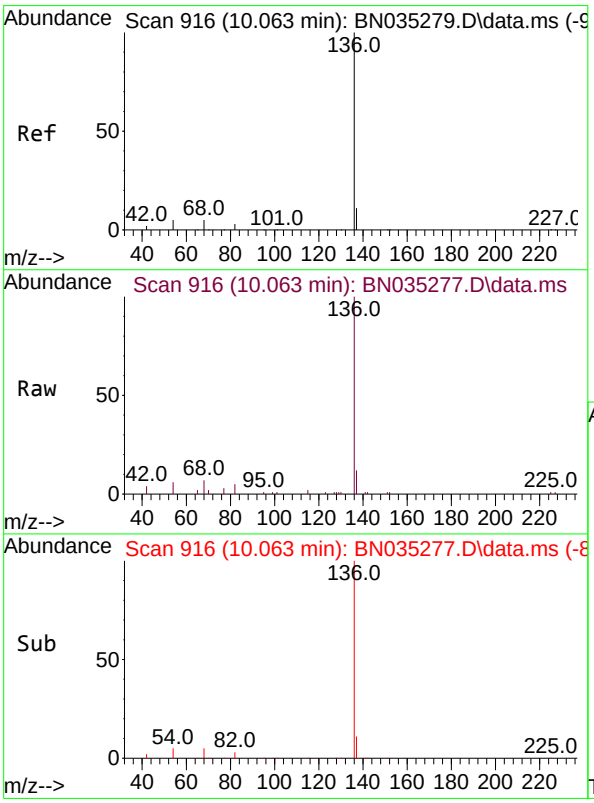
Ion	Ratio	Lower	Upper
93	100		
63	66.6	52.3	78.5
95	35.0	25.5	38.3



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
APPROVED

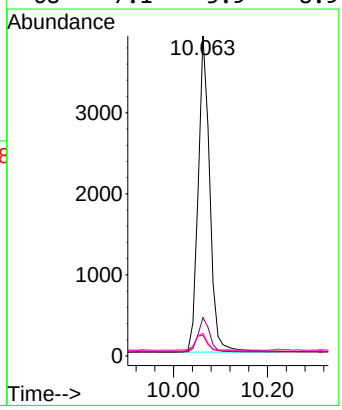
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

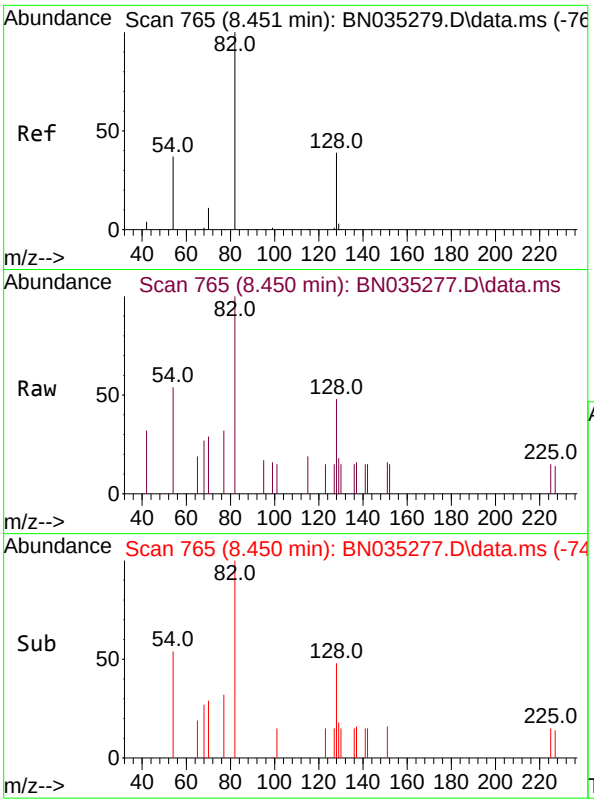


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:136 Resp: 6701

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.7	14.5
54	6.4	5.3	7.9
68	7.1	5.9	8.9

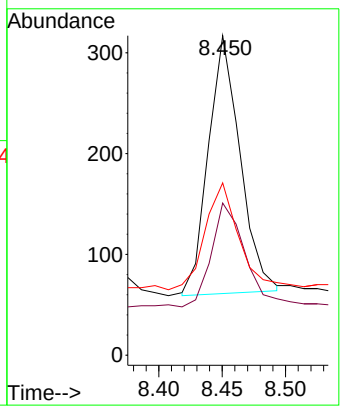




#8
Nitrobenzene-d5
Concen: 0.077 ng m
RT: 8.450 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion: 82 Resp: 44

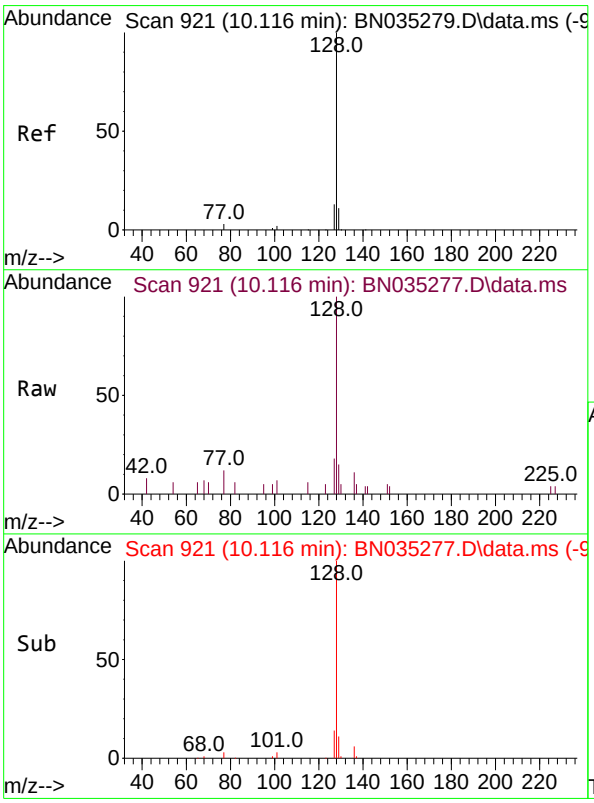
Ion	Ratio	Lower	Upper
82	100		
128	47.6	33.0	49.4
54	53.9	33.3	49.9#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
APPROVED

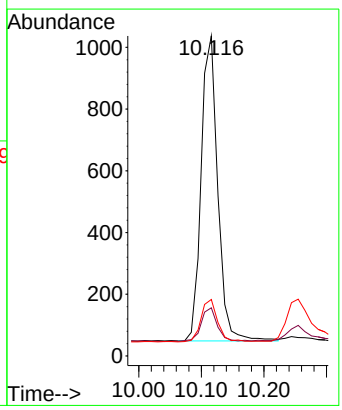
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

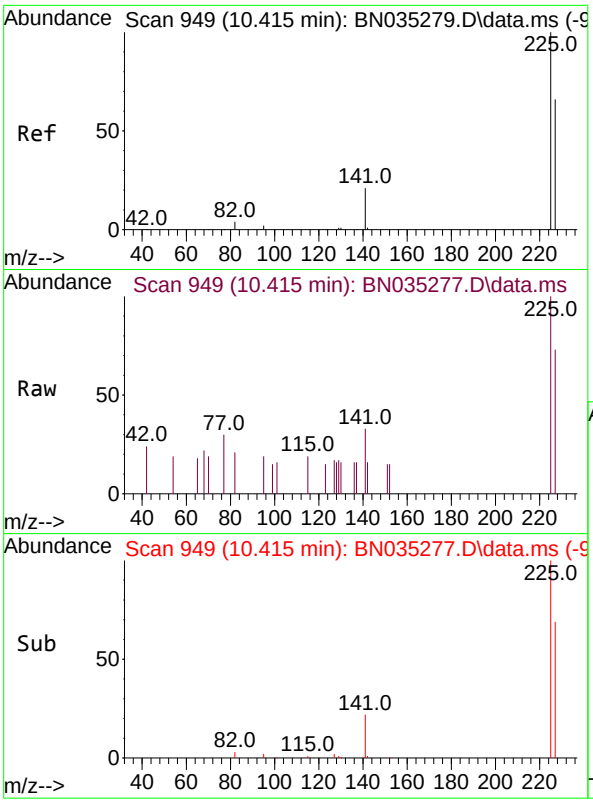


#9
Naphthalene
Concen: 0.104 ng
RT: 10.116 min Scan# 921
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:128 Resp: 1817

Ion	Ratio	Lower	Upper
128	100		
129	15.0	9.6	14.4#
127	17.6	11.3	16.9#

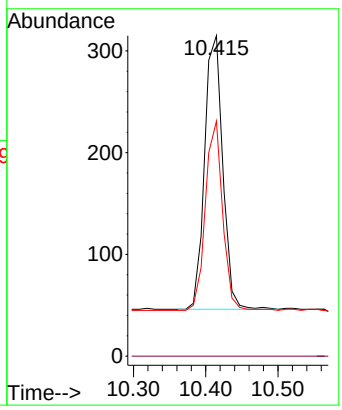




#10
Hexachlorobutadiene
Concen: 0.092 ng
RT: 10.415 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:225 Resp: 47

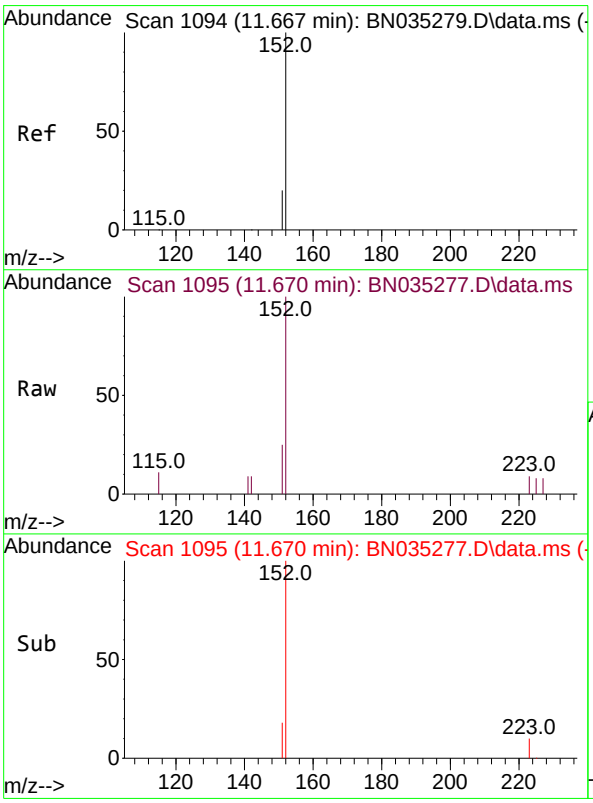
Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.6	51.3	76.9



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
APPROVED

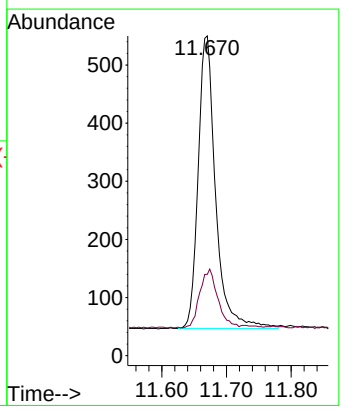
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

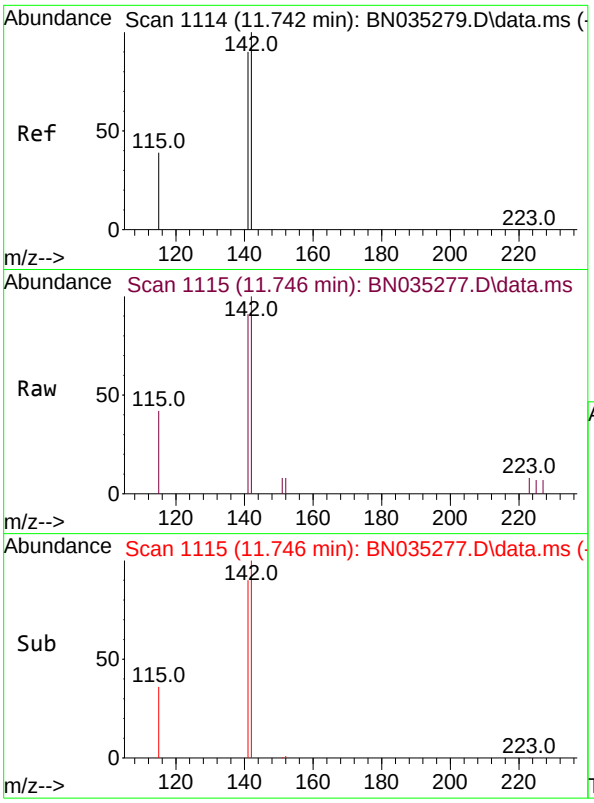


#11
2-Methylnaphthalene-d10
Concen: 0.079 ng
RT: 11.670 min Scan# 1095
Delta R.T. 0.004 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:152 Resp: 939

Ion	Ratio	Lower	Upper
152	100		
151	20.7	17.2	25.8

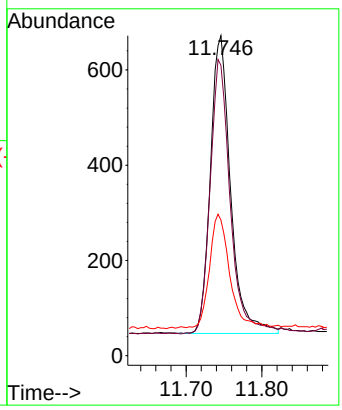




#12
2-Methylnaphthalene
Concen: 0.090 ng
RT: 11.746 min Scan# 11
Delta R.T. 0.004 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:142 Resp: 115

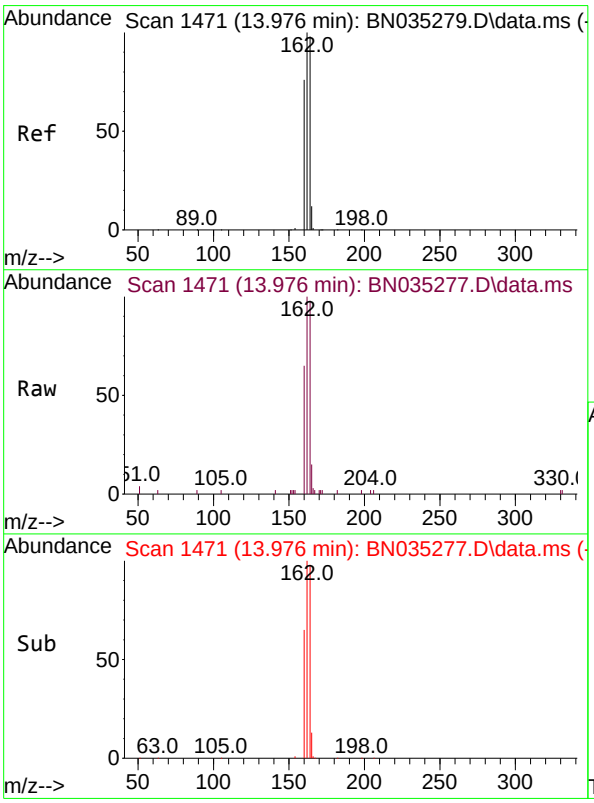
Ion	Ratio	Lower	Upper
142	100		
141	90.8	71.8	107.8
115	42.4	32.6	49.0



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
APPROVED

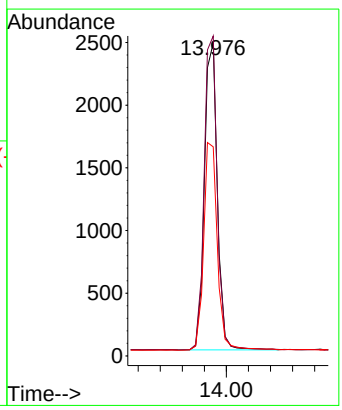
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

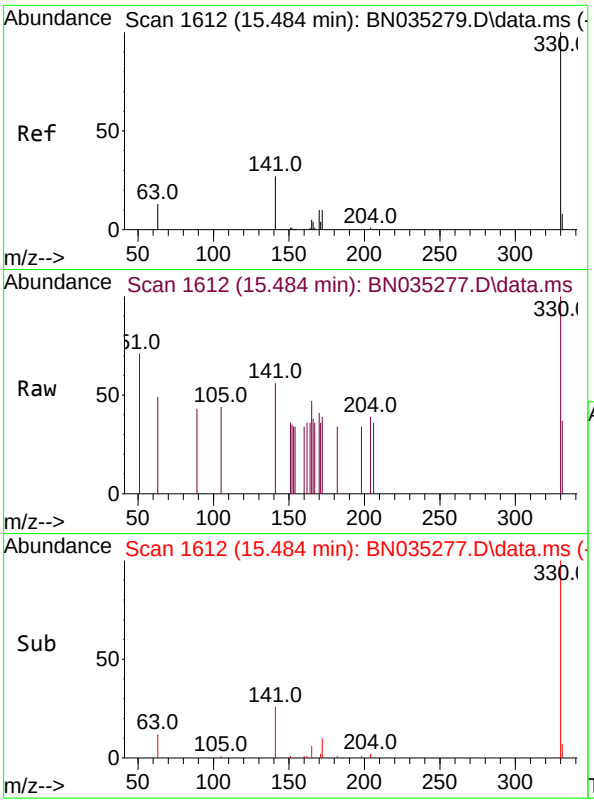


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:164 Resp: 3999

Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.0	123.0
160	66.8	63.0	94.4

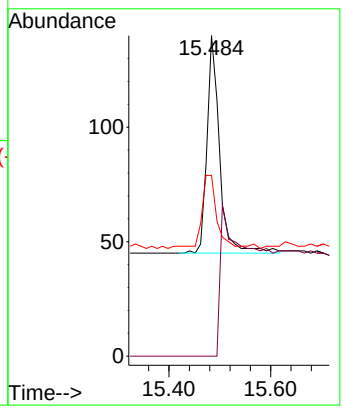




#14
2,4,6-Tribromophenol
Concen: 0.060 ng
RT: 15.484 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:330 Resp: 17

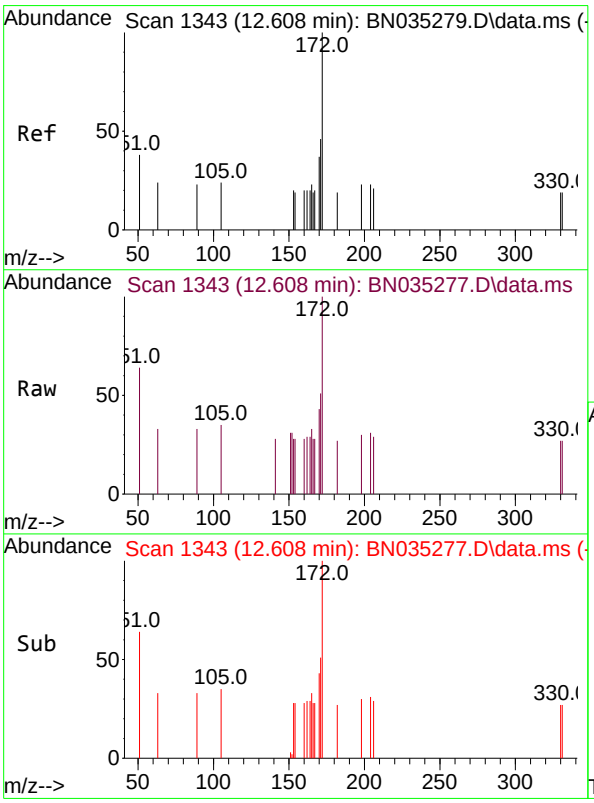
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.5	32.4	48.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED

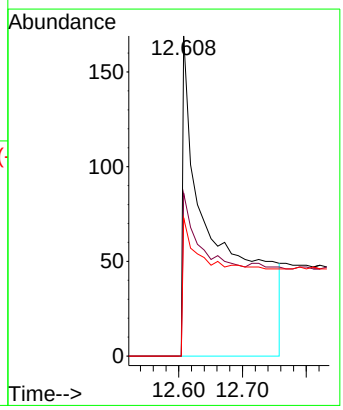
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

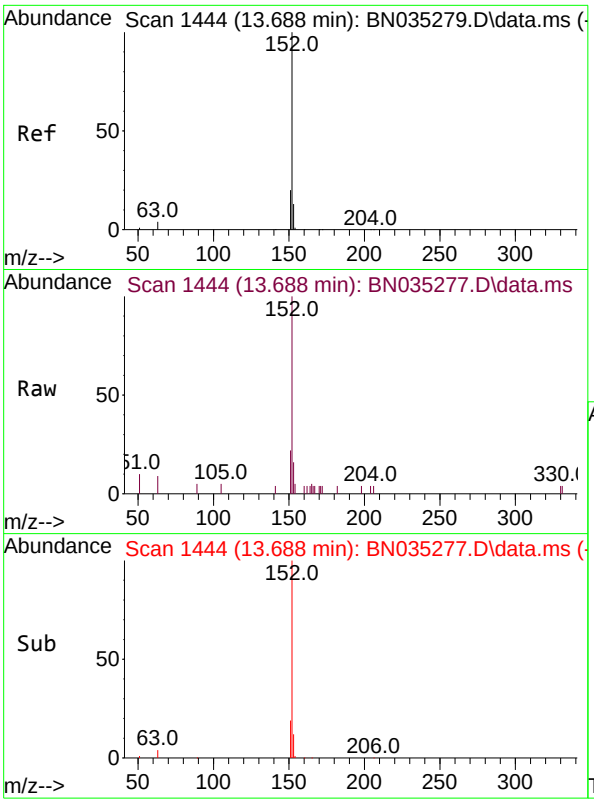


#15
2-Fluorobiphenyl
Concen: 0.037 ng
RT: 12.608 min Scan# 1343
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:172 Resp: 595

Ion	Ratio	Lower	Upper
172	100		
171	50.9	36.6	55.0
170	43.2	29.7	44.5

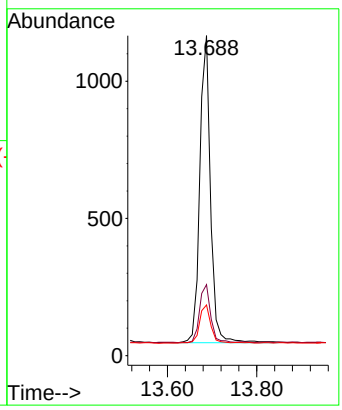




#16
Acenaphthylene
Concen: 0.109 ng
RT: 13.688 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:152 Resp: 185

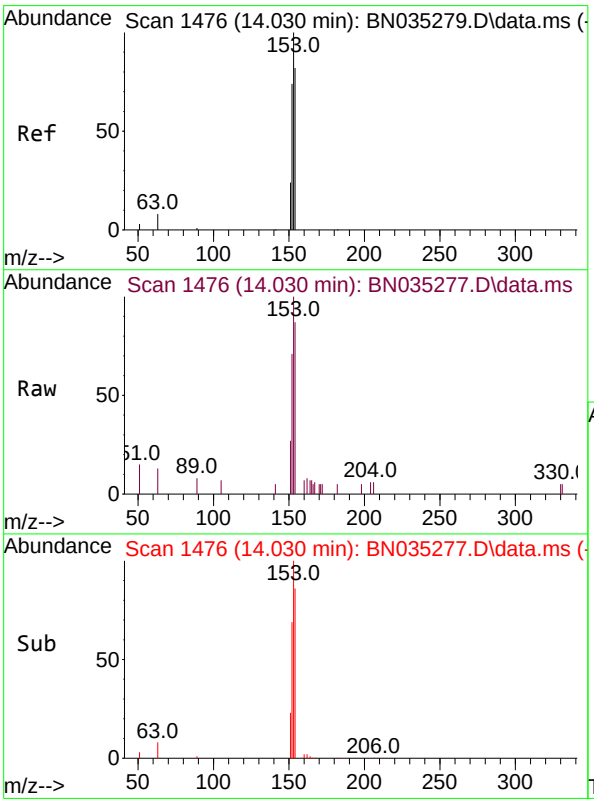
Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.9	23.9
153	13.4	10.2	15.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
APPROVED

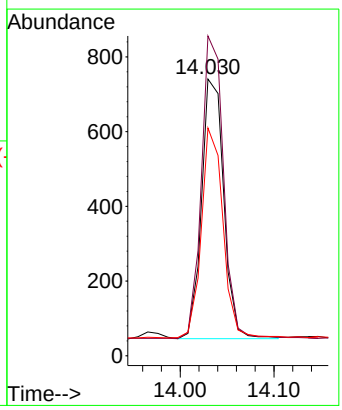
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

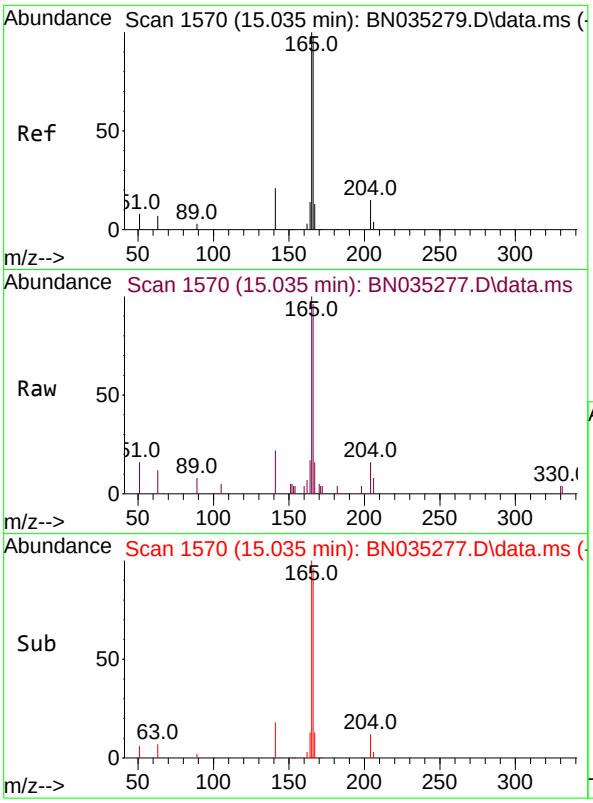


#17
Acenaphthene
Concen: 0.102 ng
RT: 14.030 min Scan# 1476
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:154 Resp: 1144

Ion	Ratio	Lower	Upper
154	100		
153	115.4	96.1	144.1
152	78.8	72.2	108.2

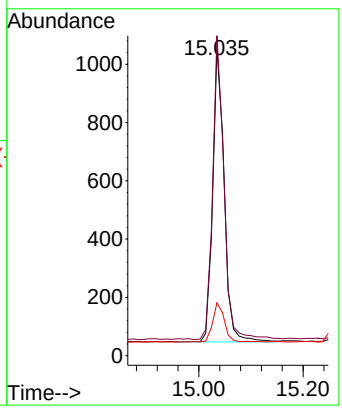




#18
Fluorene
Concen: 0.093 ng
RT: 15.035 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:166 Resp: 153

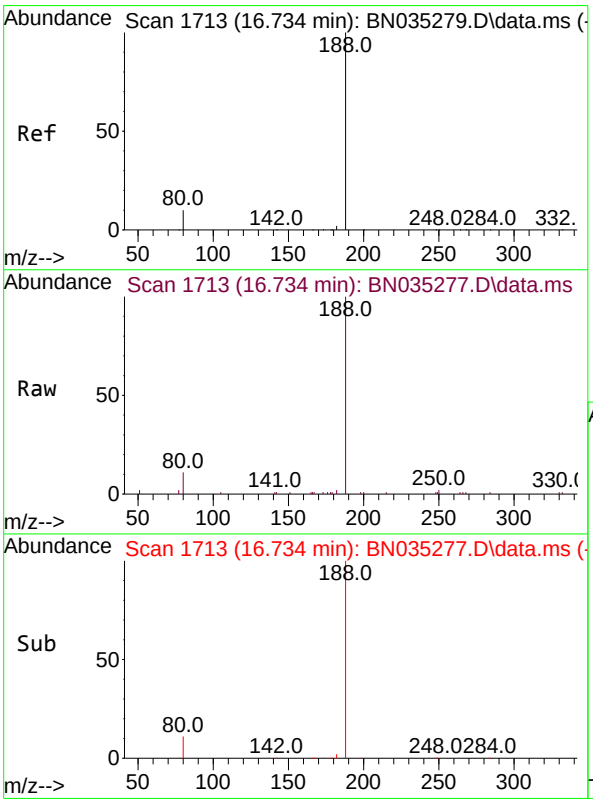
Ion	Ratio	Lower	Upper
166	100		
165	101.9	81.2	121.8
167	13.8	10.5	15.7



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
APPROVED

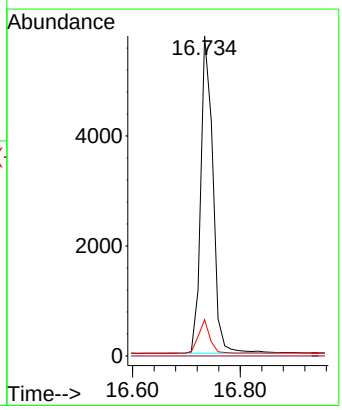
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

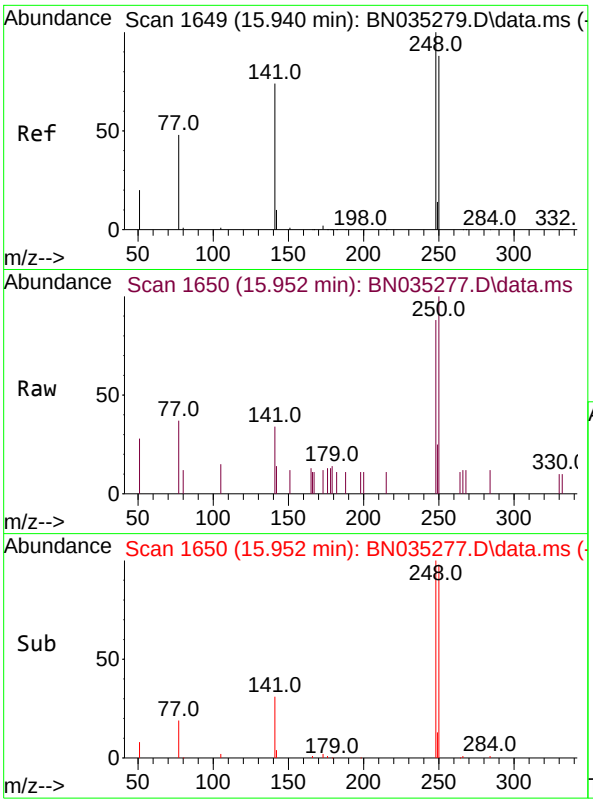


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:188 Resp: 9103

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.4	8.9	13.3

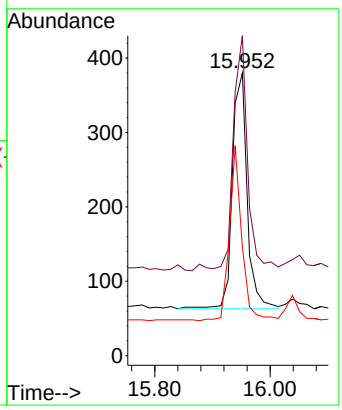




#21
4-Bromophenyl-phenylether
Concen: 0.097 ng
RT: 15.952 min Scan# 1(
Delta R.T. 0.012 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:248 Resp: 56

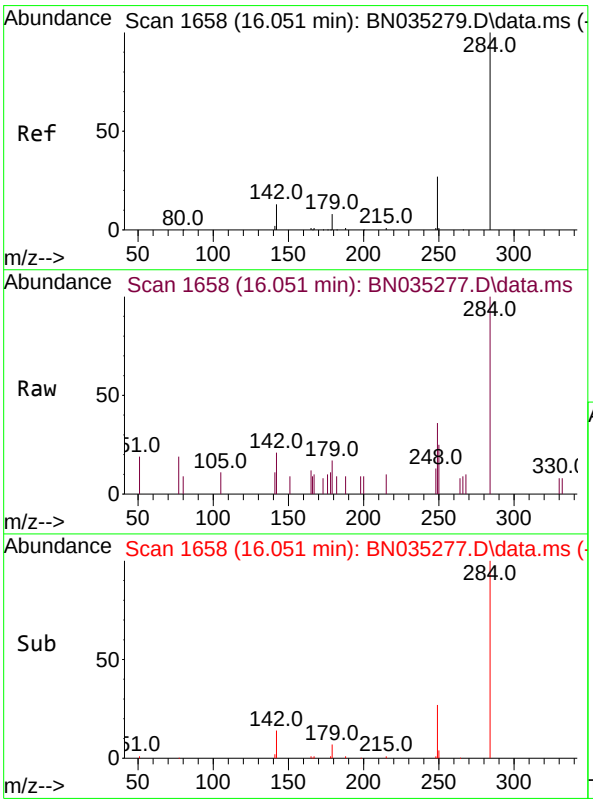
Ion	Ratio	Lower	Upper
248	100		
250	113.2	74.8	112.2#
141	38.4	59.0	88.4#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
APPROVED

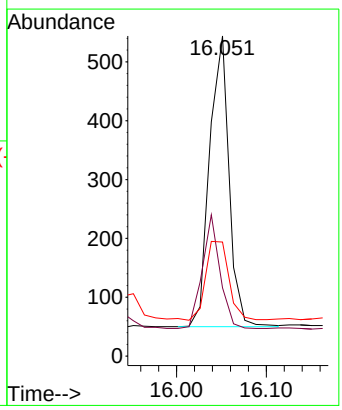
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

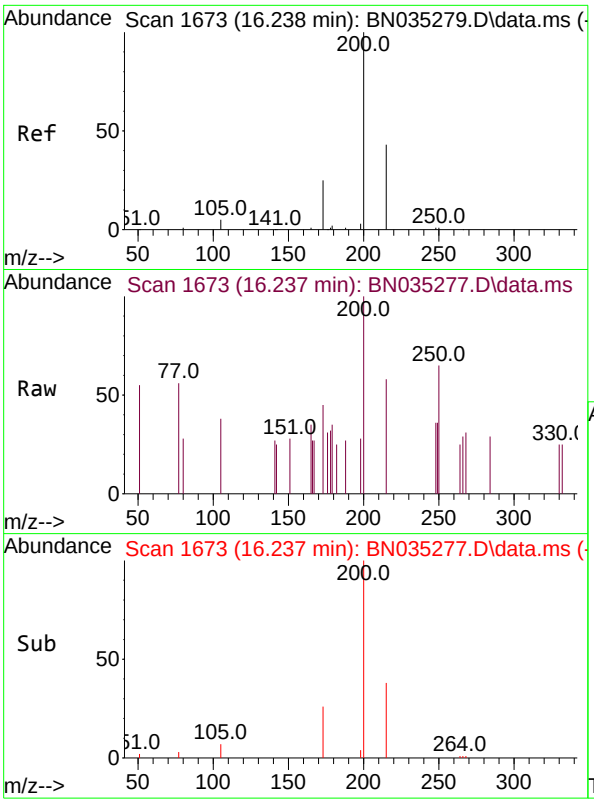


#22
Hexachlorobenzene
Concen: 0.123 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:284 Resp: 743

Ion	Ratio	Lower	Upper
284	100		
142	35.4	28.7	43.1
249	33.1	25.4	38.0

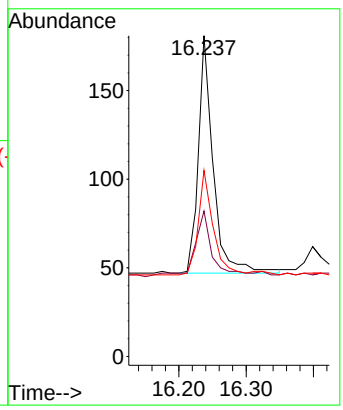




#23
Atrazine
Concen: 0.040 ng
RT: 16.237 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:200 Resp: 20(

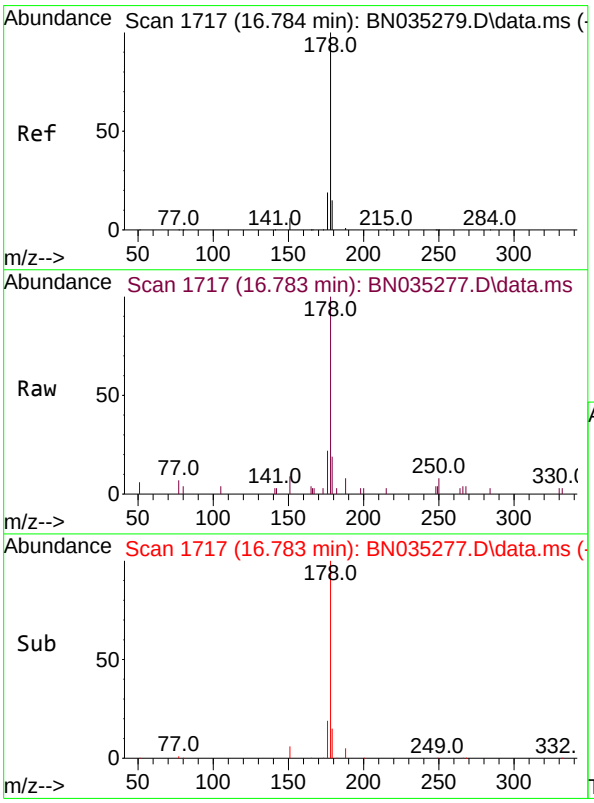
Ion	Ratio	Lower	Upper
200	100		
173	45.3	25.8	38.8#
215	58.0	38.6	58.0#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED

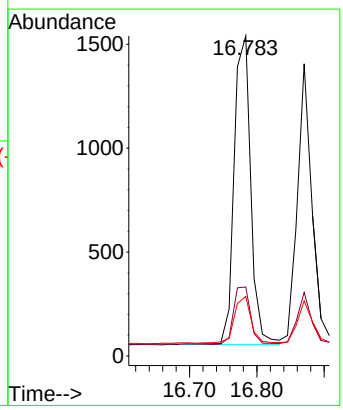
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

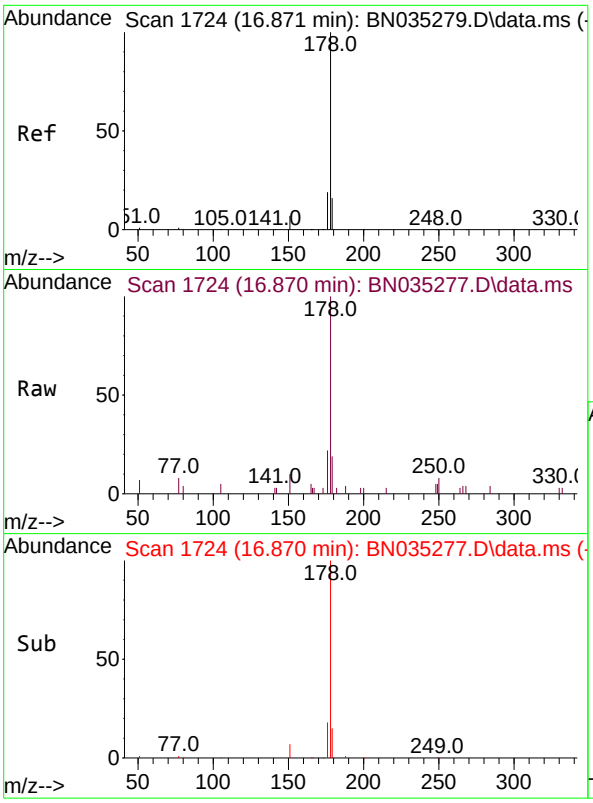


#25
Phenanthrene
Concen: 0.107 ng
RT: 16.783 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:178 Resp: 2552

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.2	12.6	18.8

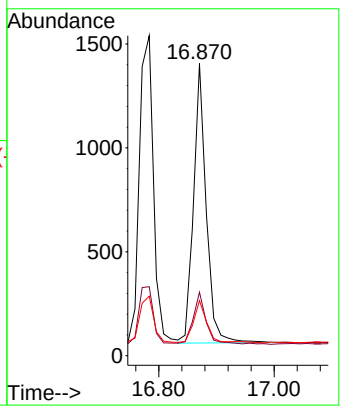




#26
Anthracene
Concen: 0.093 ng
RT: 16.870 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:178 Resp: 205

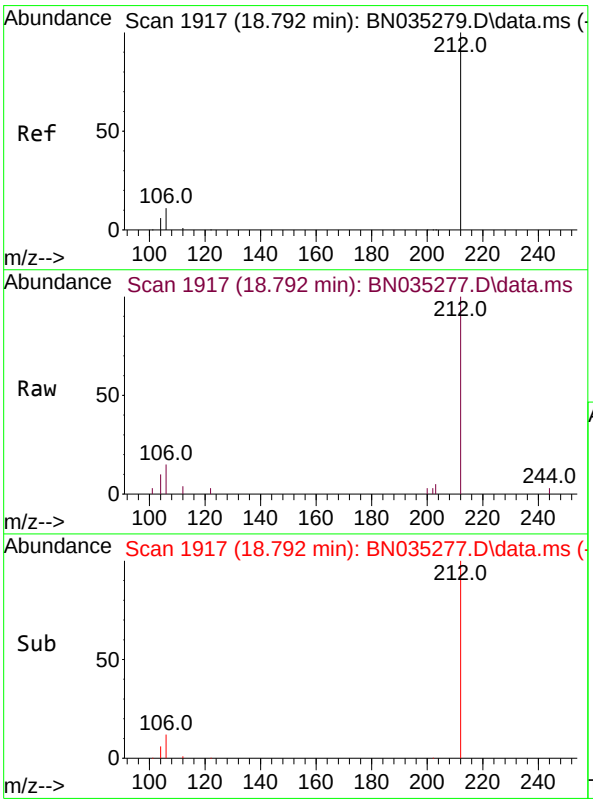
Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	15.9	12.4	18.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED

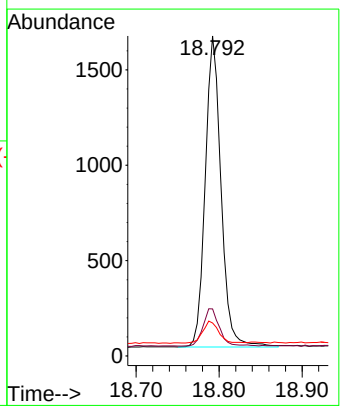
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

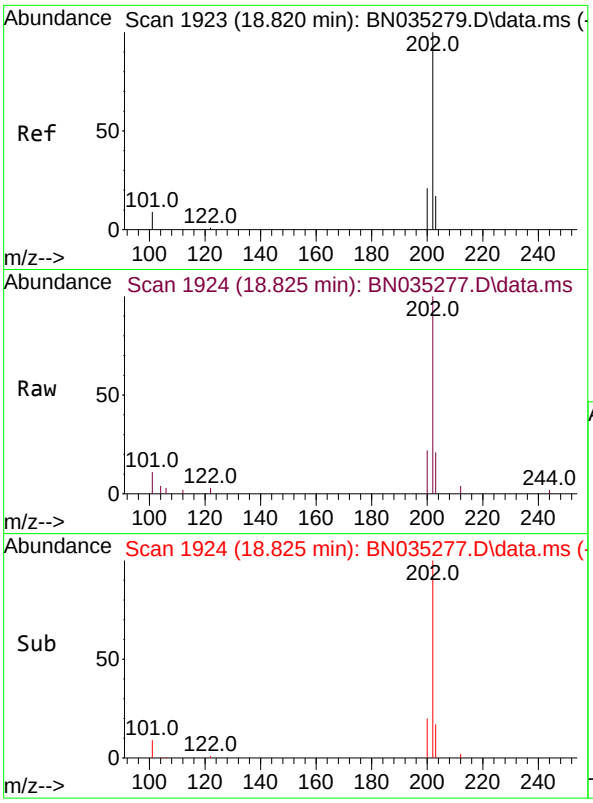


#27
Fluoranthene-d10
Concen: 0.078 ng
RT: 18.792 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:212 Resp: 2168

Ion	Ratio	Lower	Upper
212	100		
106	12.5	9.8	14.8
104	7.1	5.6	8.4

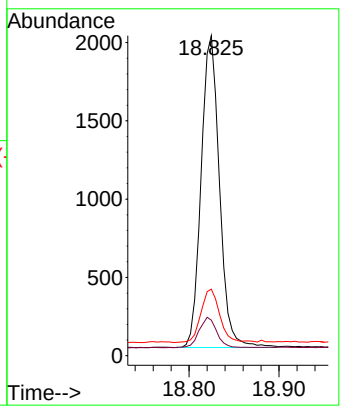




#28
Fluoranthene
Concen: 0.086 ng
RT: 18.825 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:202 Resp: 284

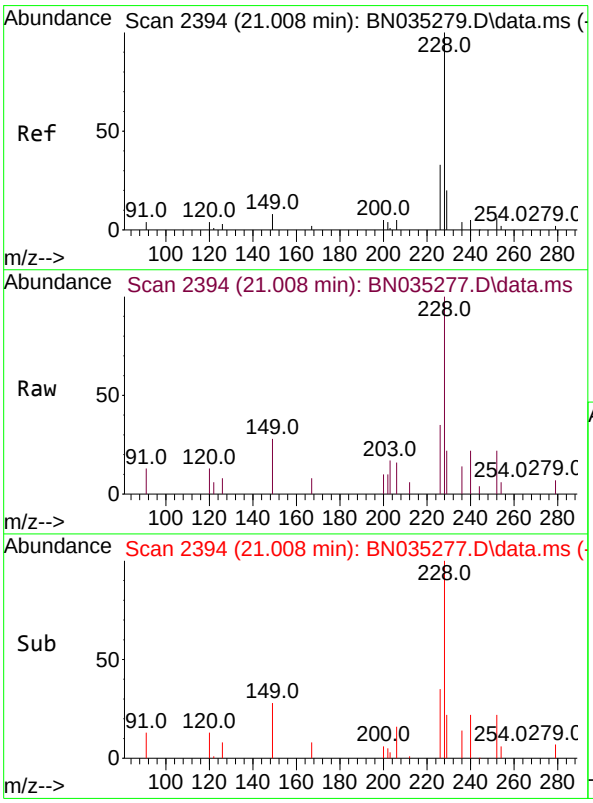
Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.6	11.4
203	17.6	13.8	20.8



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED

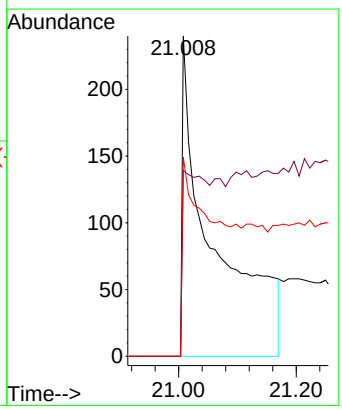
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

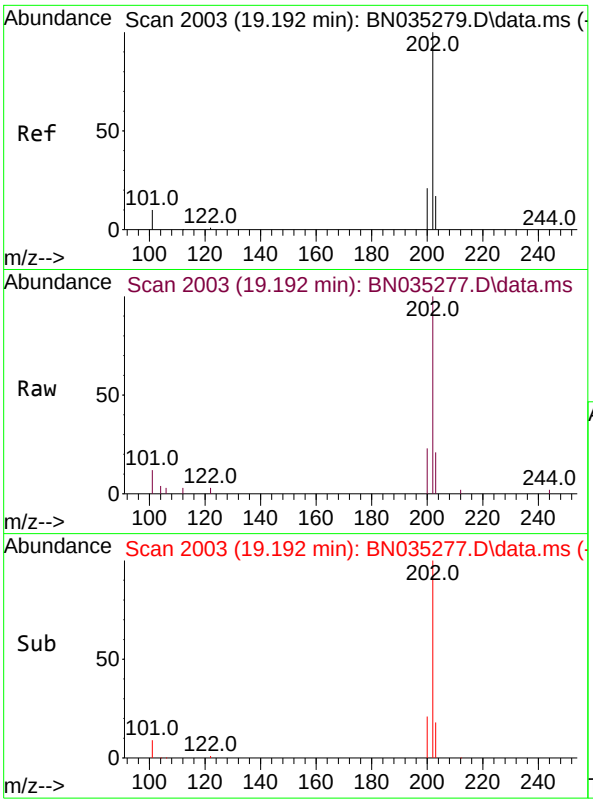


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:240 Resp: 834

Ion	Ratio	Lower	Upper
240	100		
120	57.9	54.9	82.3
236	62.1	54.0	81.0

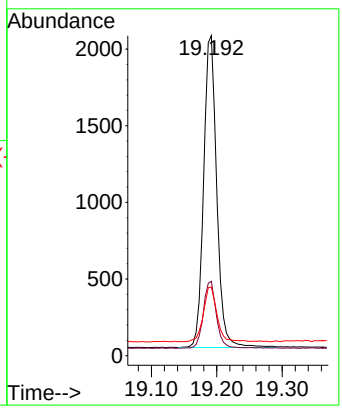




#30
Pyrene
Concen: 1.019 ng
RT: 19.192 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:202 Resp: 283

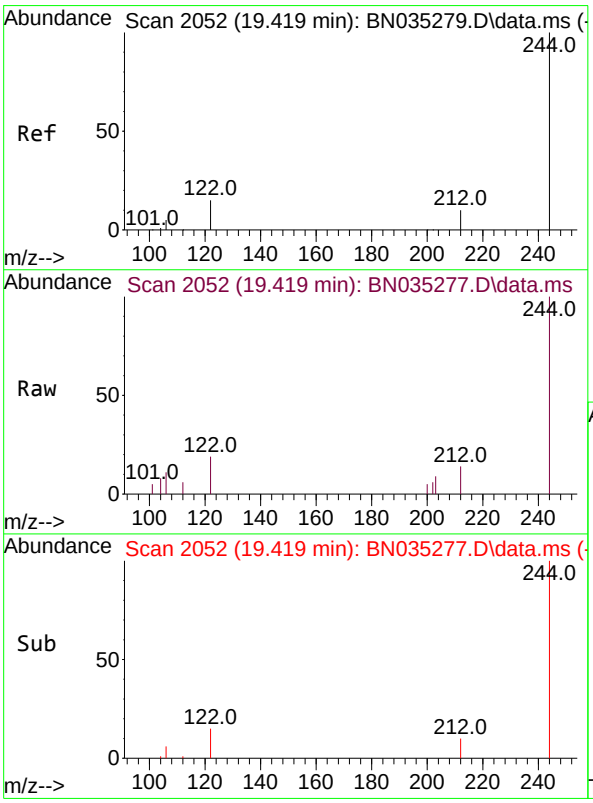
Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	17.9	14.4	21.6



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
APPROVED

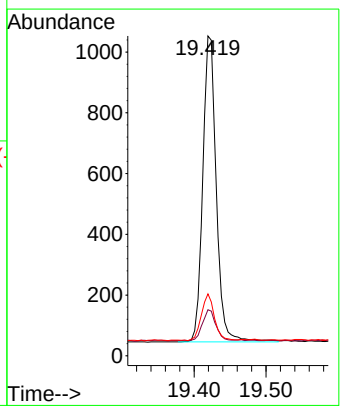
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

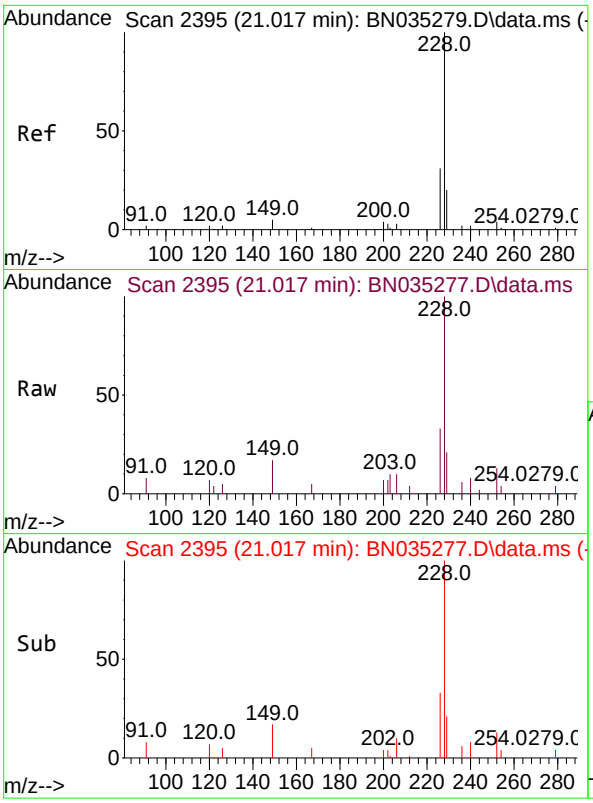


#31
Terphenyl-d14
Concen: 0.749 ng
RT: 19.419 min Scan# 2052
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:244 Resp: 1310

Ion	Ratio	Lower	Upper
244	100		
212	14.4	9.4	14.0#
122	19.4	13.0	19.4

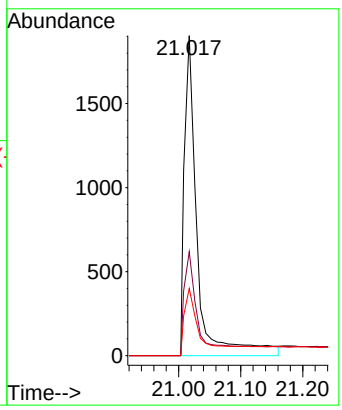




#32
Benzo(a)anthracene
Concen: 0.933 ng
RT: 21.017 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:228 Resp: 270

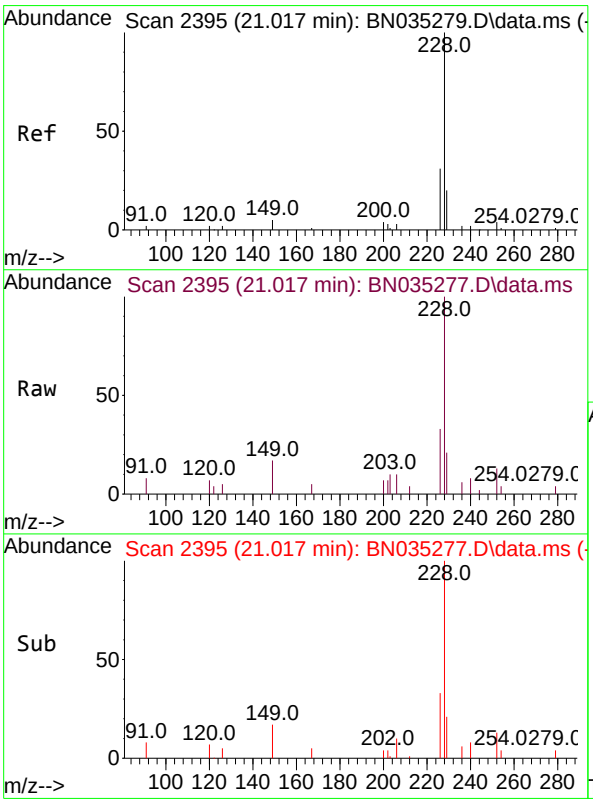
Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.7	37.1
229	21.0	16.2	24.2



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED

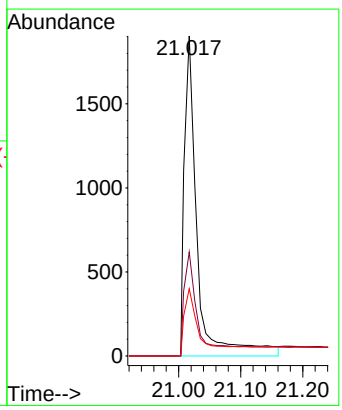
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

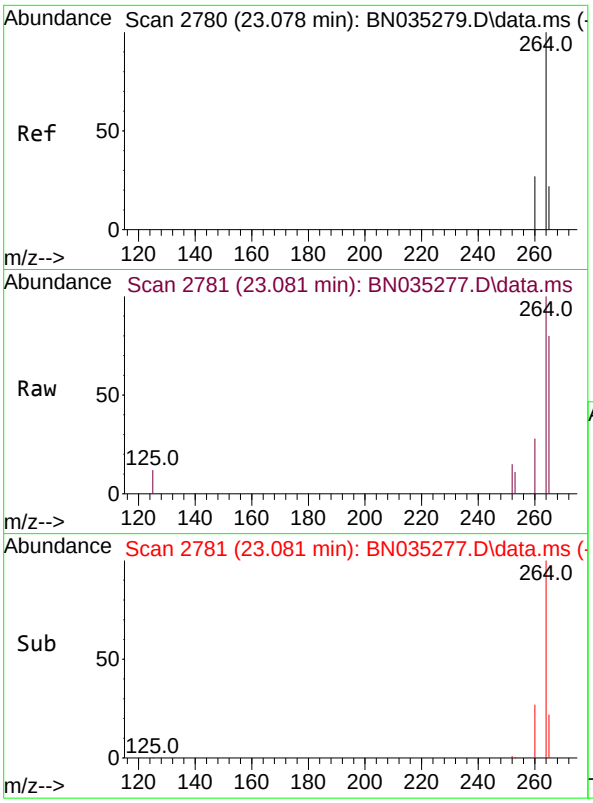


#33
Chrysene
Concen: 0.942 ng
RT: 21.017 min Scan# 2395
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:228 Resp: 2709

Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.7	37.1
229	21.0	16.2	24.2

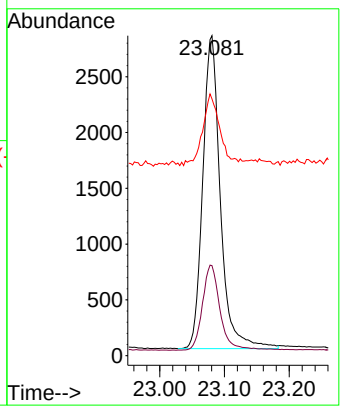




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.081 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:264 Resp: 529

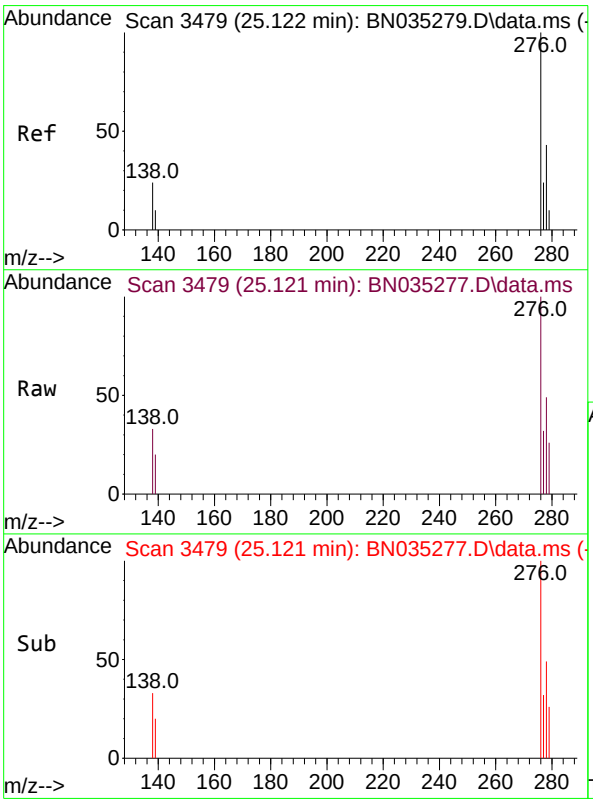
Ion	Ratio	Lower	Upper
264	100		
260	28.1	22.3	33.5
265	80.3	68.6	103.0



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
APPROVED

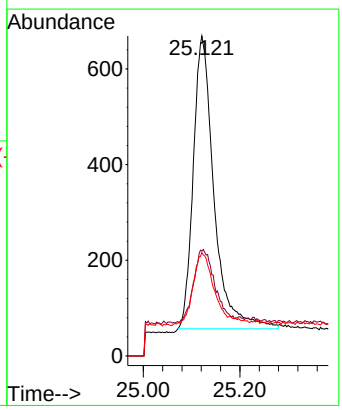
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

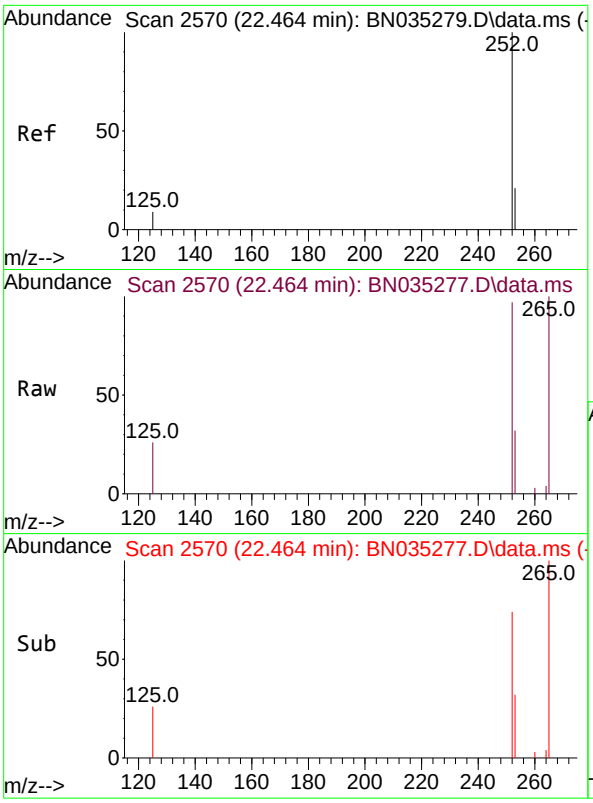


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.086 ng
RT: 25.121 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:276 Resp: 1824

Ion	Ratio	Lower	Upper
276	100		
138	21.8	18.8	28.2
277	22.8	18.2	27.4





#37
Benzo(b)fluoranthene
Concen: 0.112 ng
RT: 22.464 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

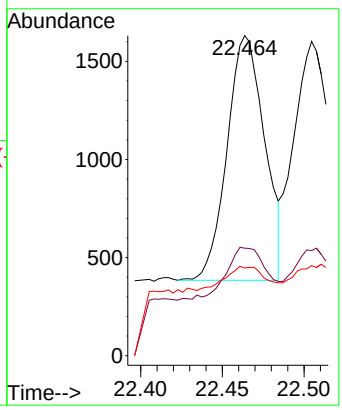
Tgt Ion:252 Resp: 199

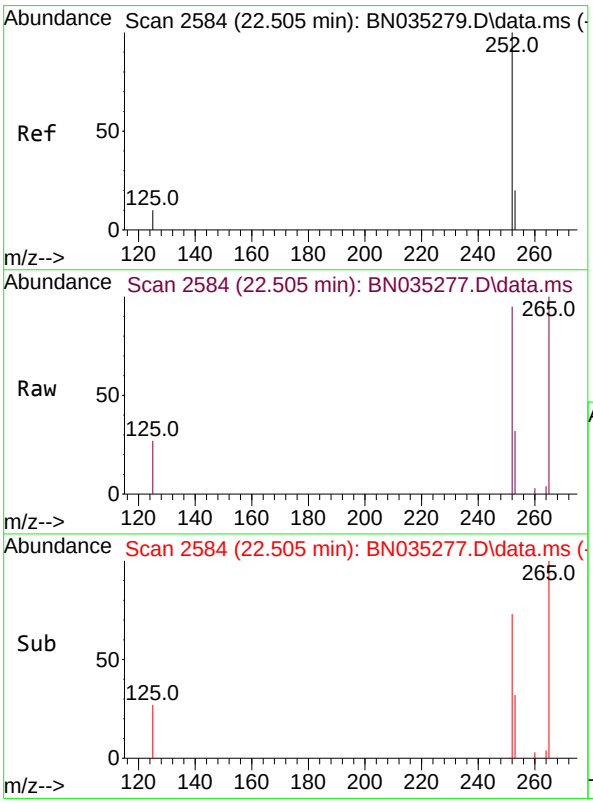
Ion	Ratio	Lower	Upper
252	100		
253	33.6	20.2	30.2#
125	27.4	12.0	18.0#

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

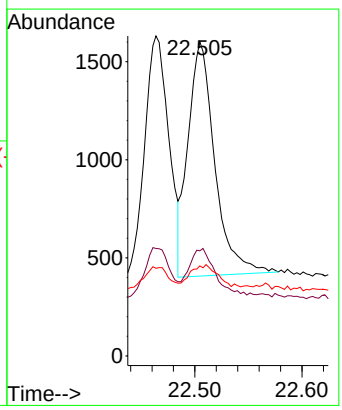


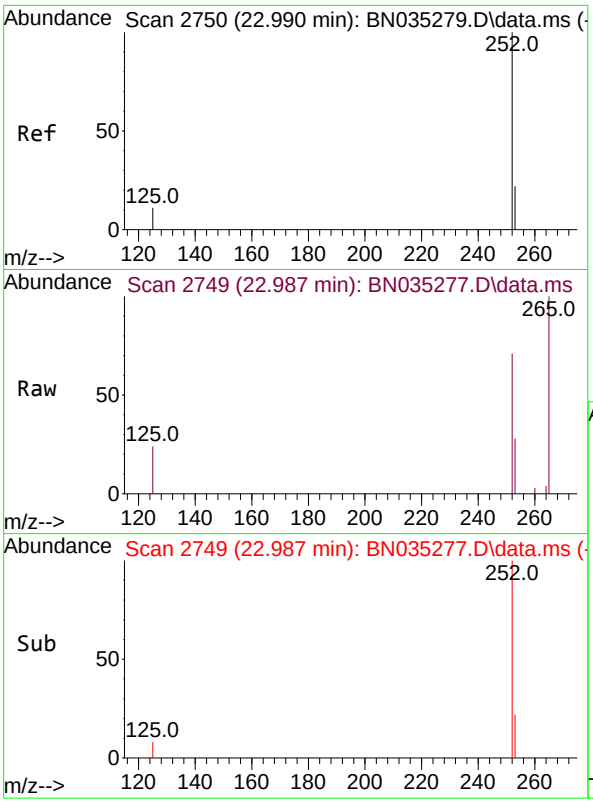


#38
Benzo(k)fluoranthene
Concen: 0.116 ng
RT: 22.505 min Scan# 2584
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:252 Resp: 2076

Ion	Ratio	Lower	Upper
252	100		
253	33.5	20.1	30.1#
125	28.7	12.7	19.1#

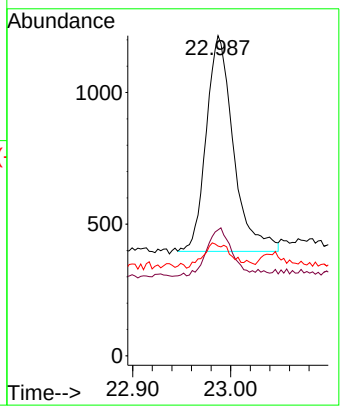




#39
Benzo(a)pyrene
Concen: 0.101 ng
RT: 22.987 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:252 Resp: 157

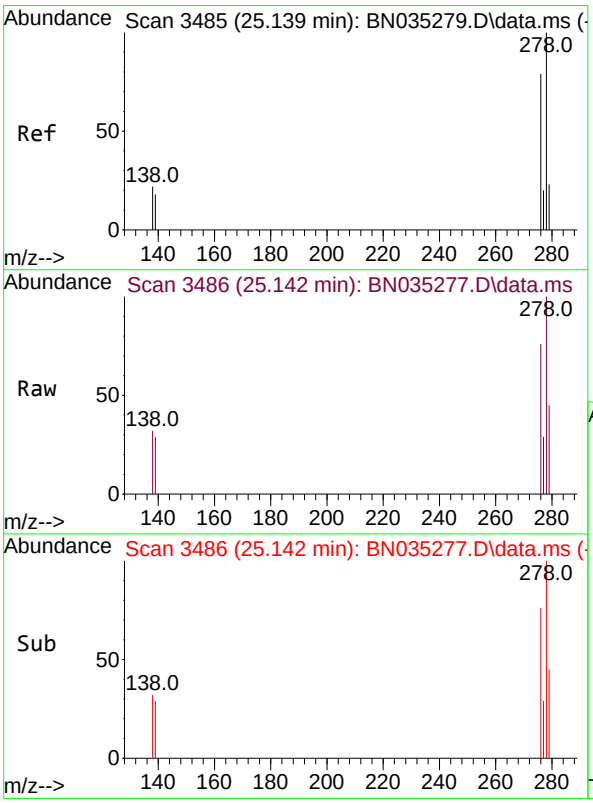
Ion	Ratio	Lower	Upper
252	100		
253	39.3	22.3	33.5#
125	34.3	15.3	22.9#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED

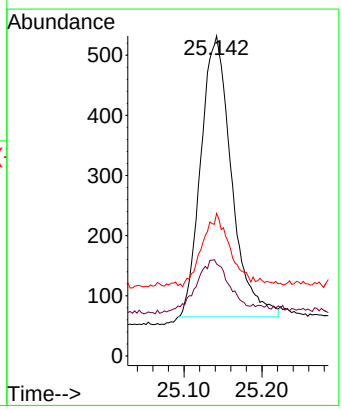
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

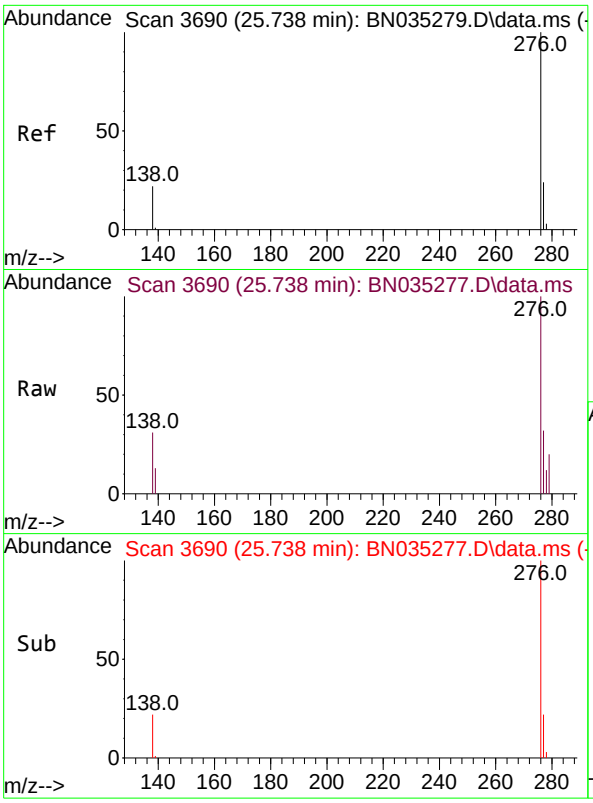


#40
Dibenzo(a,h)anthracene
Concen: 0.076 ng
RT: 25.142 min Scan# 3486
Delta R.T. 0.003 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:278 Resp: 1273

Ion	Ratio	Lower	Upper
278	100		
139	28.8	17.0	25.6#
279	44.5	23.0	34.4#

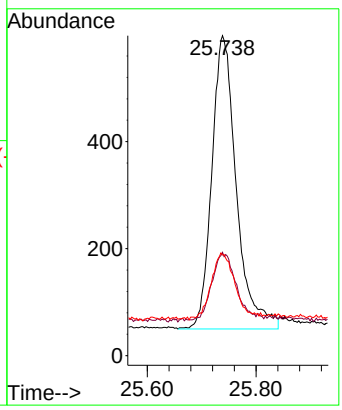




#41
Benzo(g,h,i)perylene
Concen: 0.096 ng
RT: 25.738 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:276 Resp: 171

Ion	Ratio	Lower	Upper
276	100		
277	32.3	21.1	31.7#
138	31.4	19.8	29.8#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035278.D
Acq On : 25 Nov 2024 10:52
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 25 14:18:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:16:35 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.315	152	2248	0.400	ng		0.00
7) Naphthalene-d8	10.063	136	5670	0.400	ng		0.00
13) Acenaphthene-d10	13.976	164	3200	0.400	ng		0.00
19) Phenanthrene-d10	16.734	188	7531	0.400	ng		0.00
29) Chrysene-d12	21.008	240	797	0.400	ng		0.00
35) Perylene-d12	23.084	264	4527	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.975	112	891	0.156	ng		0.00
5) Phenol-d6	6.520	99	1264	0.177	ng		0.00
8) Nitrobenzene-d5	8.450	82	771m	0.156	ng		0.00
11) 2-Methylnaphthalene-d10	11.666	152	1506	0.149	ng		0.00
14) 2,4,6-Tribromophenol	15.484	330	279	0.121	ng		0.00
15) 2-Fluorobiphenyl	12.608	172	679	0.052	ng		0.00
27) Fluoranthene-d10	18.792	212	3625	0.157	ng		0.00
31) Terphenyl-d14	19.424	244	2197	1.314	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.003	88	310	0.152	ng	#	75
3) n-Nitrosodimethylamine	3.299	42	314	0.165	ng	#	82
6) bis(2-Chloroethyl)ether	6.766	93	978	0.182	ng		98
9) Naphthalene	10.116	128	2990	0.202	ng		96
10) Hexachlorobutadiene	10.415	225	818	0.189	ng	#	98
12) 2-Methylnaphthalene	11.742	142	1929	0.177	ng		97
16) Acenaphthylene	13.688	152	2991	0.219	ng		99
17) Acenaphthene	14.040	154	1852	0.207	ng		97
18) Fluorene	15.035	166	2587	0.196	ng		98
20) 4,6-Dinitro-2-methylph...	15.131	198	102	0.065	ng	#	49
21) 4-Bromophenyl-phenylether	15.952	248	888	0.185	ng	#	70
22) Hexachlorobenzene	16.051	284	1264	0.254	ng		98
23) Atrazine	16.237	200	357	0.083	ng		92
24) Pentachlorophenol	16.399	266	252	0.108	ng		97
25) Phenanthrene	16.783	178	4155	0.210	ng		100
26) Anthracene	16.870	178	3384	0.186	ng		99
28) Fluoranthene	18.825	202	4828	0.177	ng		100
30) Pyrene	19.192	202	4697	1.770	ng		99
32) Benzo(a)anthracene	21.017	228	4459	1.607	ng		99
33) Chrysene	21.017	228	4459	1.622	ng		99
34) Bis(2-ethylhexyl)phtha...	21.017	149	696	0.478	ng	#	92
36) Indeno(1,2,3-cd)pyrene	25.121	276	3191	0.177	ng		99
37) Benzo(b)fluoranthene	22.467	252	3513	0.231	ng	#	90
38) Benzo(k)fluoranthene	22.505	252	3588	0.235	ng	#	90
39) Benzo(a)pyrene	22.990	252	2673	0.199	ng	#	87
40) Dibenzo(a,h)anthracene	25.142	278	2328	0.163	ng	#	90
41) Benzo(g,h,i)perylene	25.741	276	2967	0.195	ng		95

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

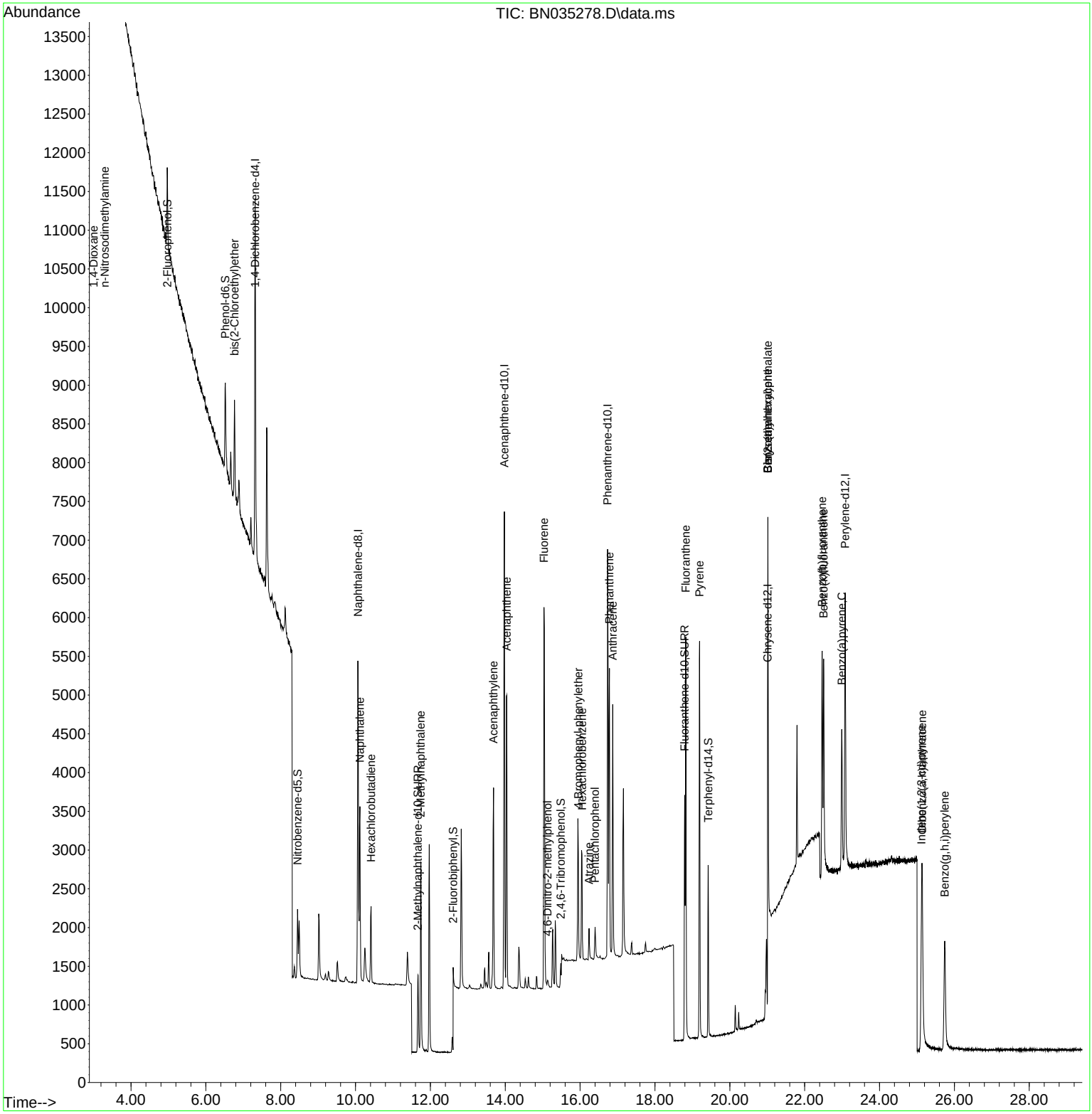
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035278.D
Acq On : 25 Nov 2024 10:52
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 53 Sample Multiplier: 1

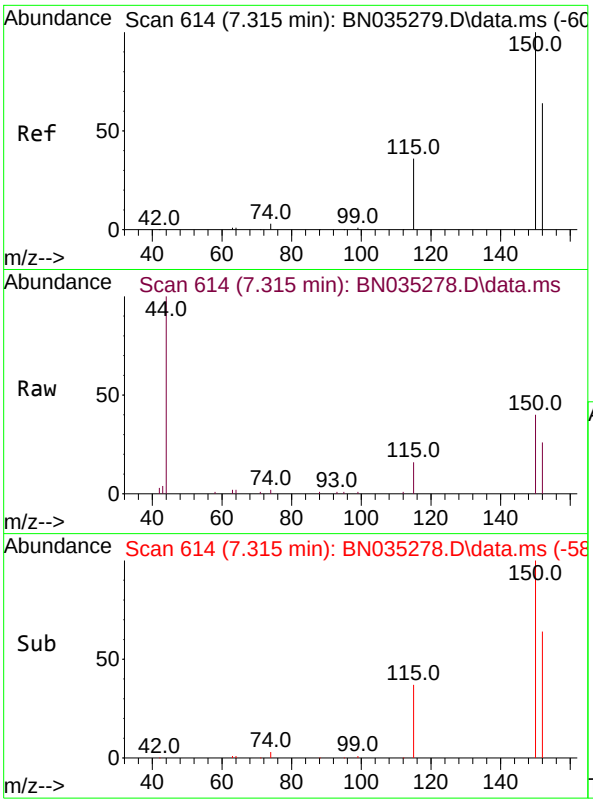
Quant Time: Nov 25 14:18:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:16:35 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

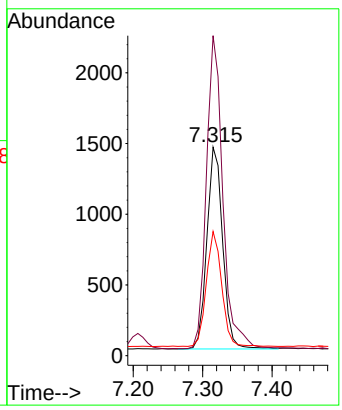




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:152 Resp: 224

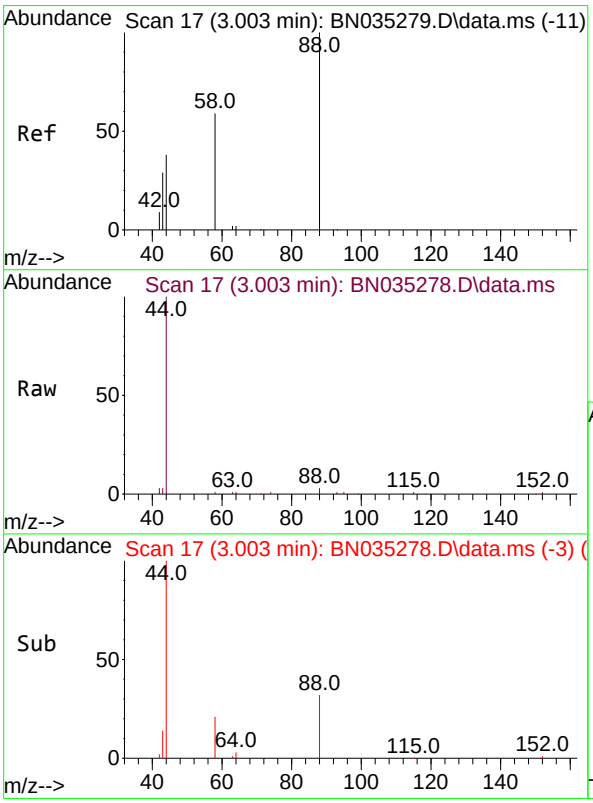
Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.5	186.7
115	59.6	47.8	71.8



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations
APPROVED

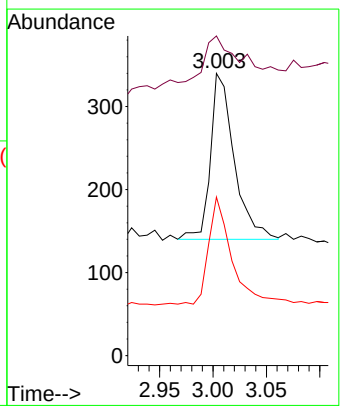
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

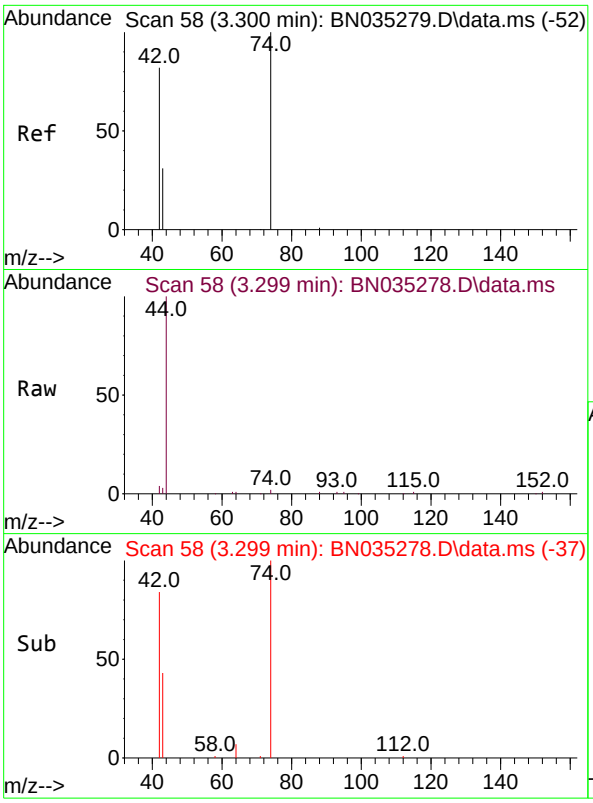


#2
1,4-Dioxane
Concen: 0.152 ng
RT: 3.003 min Scan# 17
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion: 88 Resp: 310

Ion	Ratio	Lower	Upper
88	100		
43	91.0	48.1	72.1#
58	65.5	46.9	70.3

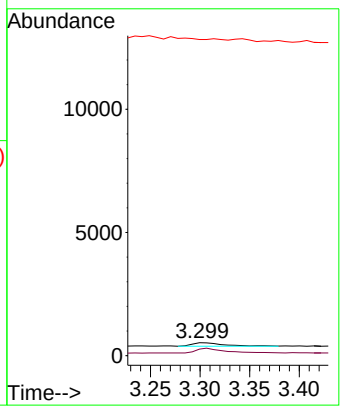




#3
n-Nitrosodimethylamine
Concen: 0.165 ng
RT: 3.299 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion: 42 Resp: 31

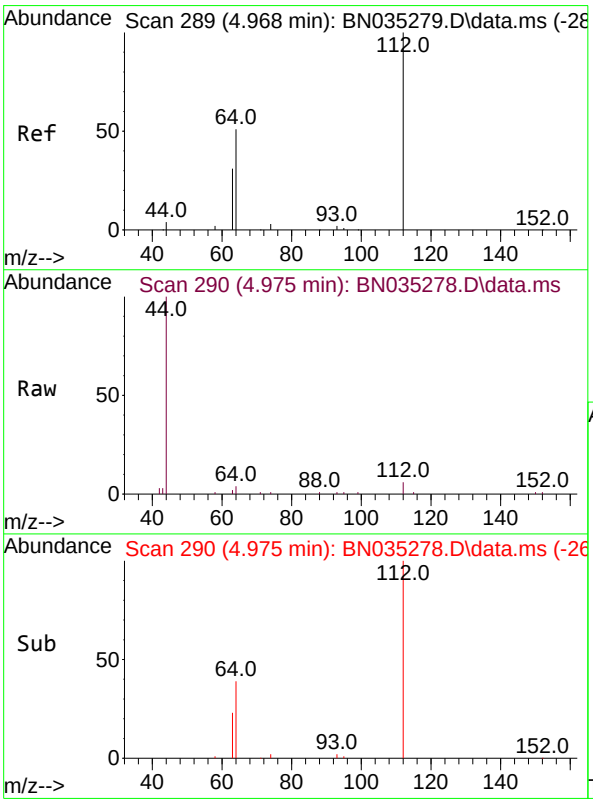
Ion	Ratio	Lower	Upper
42	100		
74	125.8	102.7	154.1
44	0.0	34.1	51.1



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED

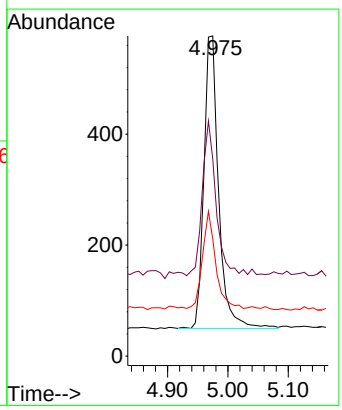
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

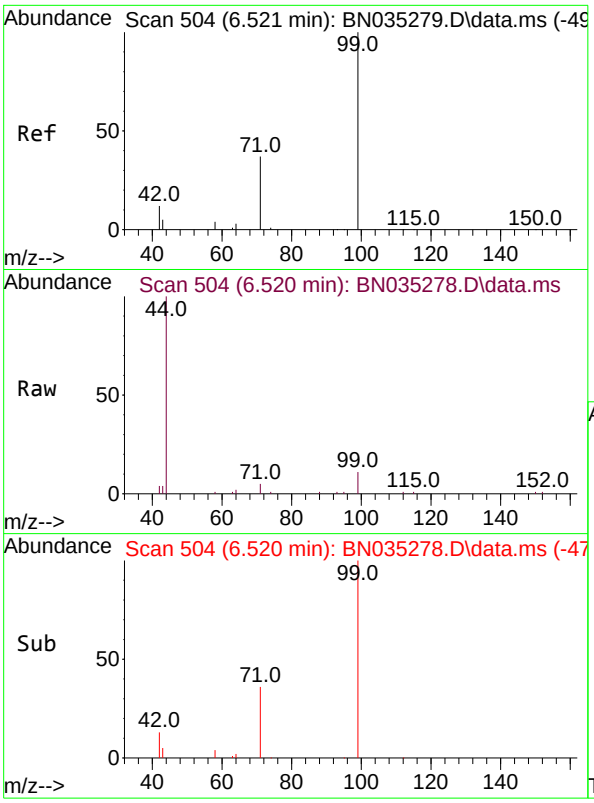


#4
2-Fluorophenol
Concen: 0.156 ng
RT: 4.975 min Scan# 290
Delta R.T. 0.007 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:112 Resp: 891

Ion	Ratio	Lower	Upper
112	100		
64	50.3	40.4	60.6
63	29.5	23.8	35.8

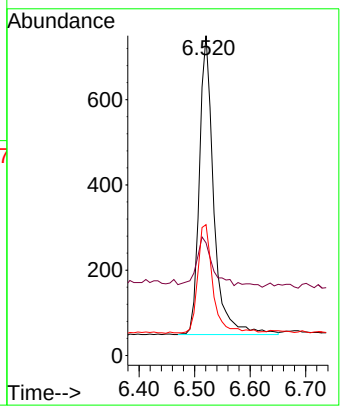




#5
Phenol-d6
Concen: 0.177 ng
RT: 6.520 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion: 99 Resp: 126

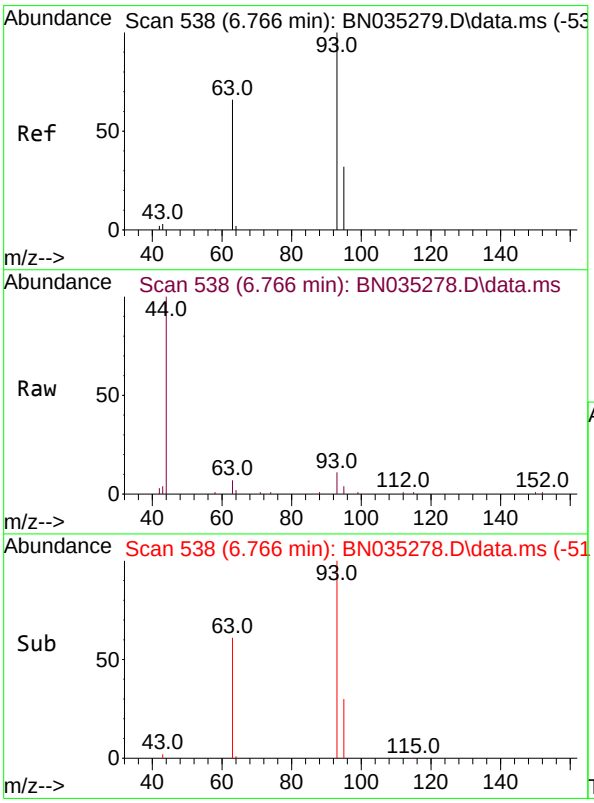
Ion	Ratio	Lower	Upper
99	100		
42	20.3	12.8	19.2
71	37.8	31.4	47.2



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations
APPROVED

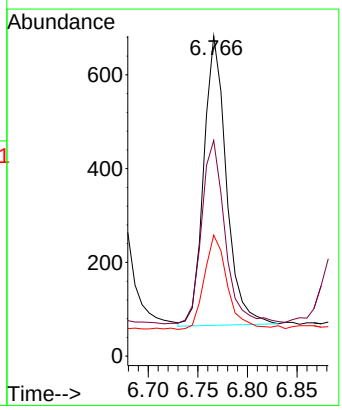
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

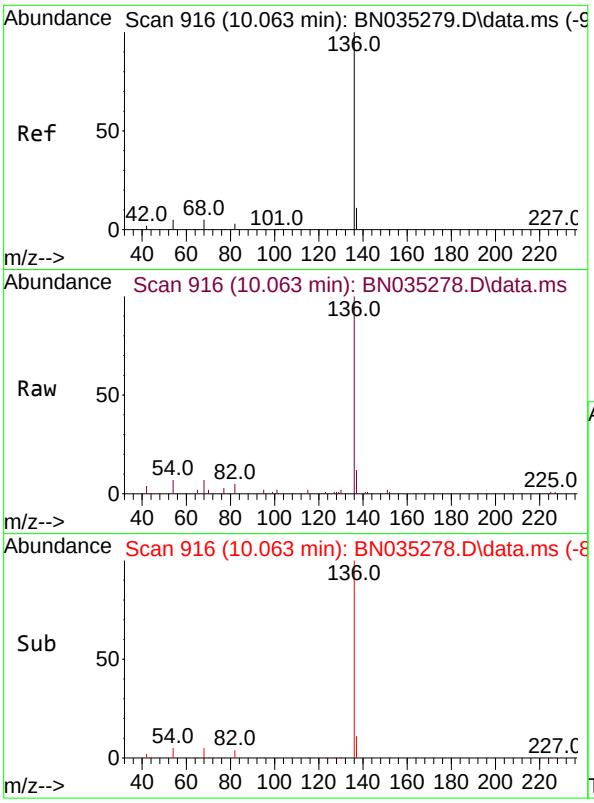


#6
bis(2-Chloroethyl)ether
Concen: 0.182 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion: 93 Resp: 978

Ion	Ratio	Lower	Upper
93	100		
63	66.0	52.3	78.5
95	33.7	25.5	38.3

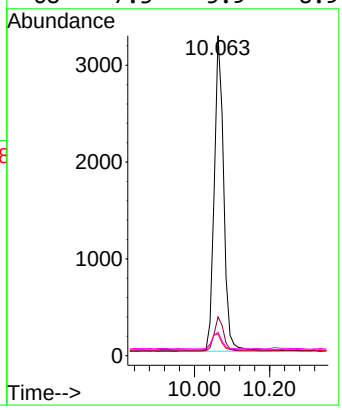




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:136 Resp: 567

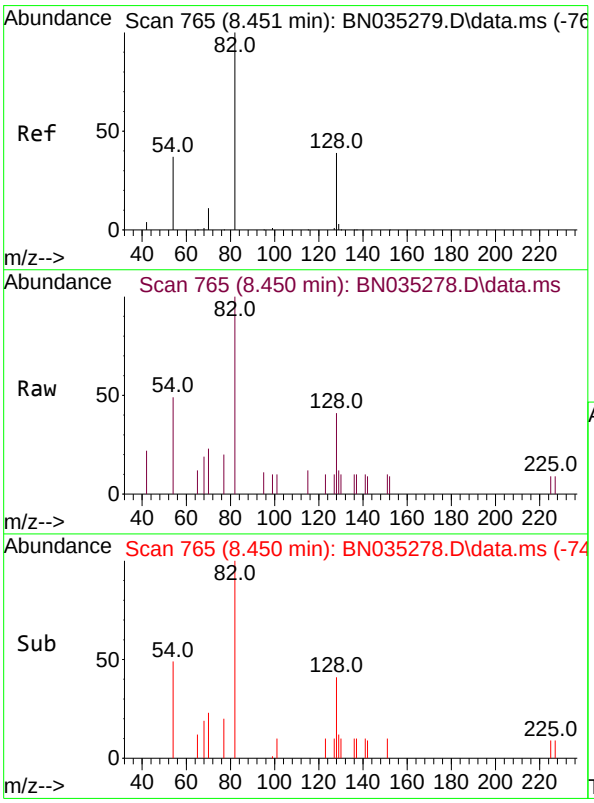
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	6.8	5.3	7.9
68	7.3	5.9	8.9



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED

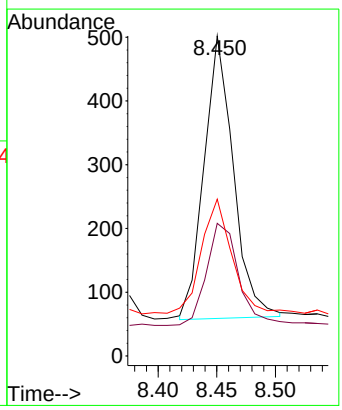
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

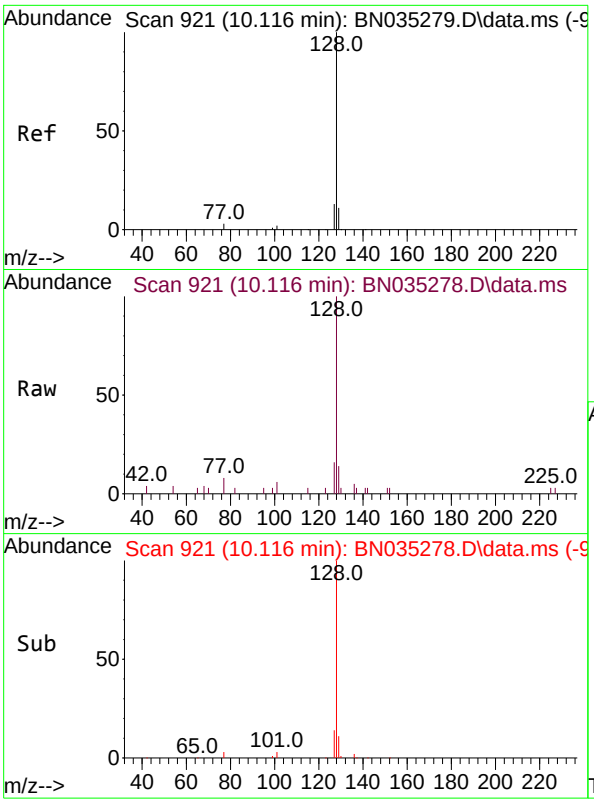


#8
Nitrobenzene-d5
Concen: 0.156 ng m
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion: 82 Resp: 771

Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.0	49.4
54	49.0	33.3	49.9

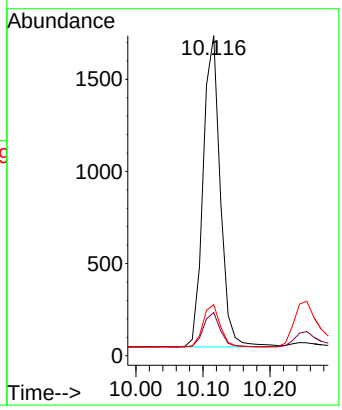




#9
Naphthalene
Concen: 0.202 ng
RT: 10.116 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:128 Resp: 299

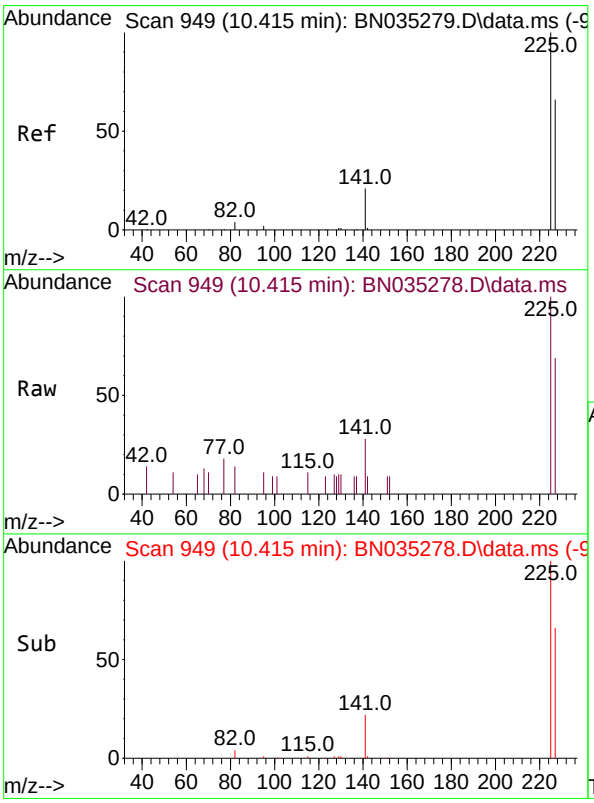
Ion	Ratio	Lower	Upper
128	100		
129	13.5	9.6	14.4
127	15.9	11.3	16.9



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations
APPROVED

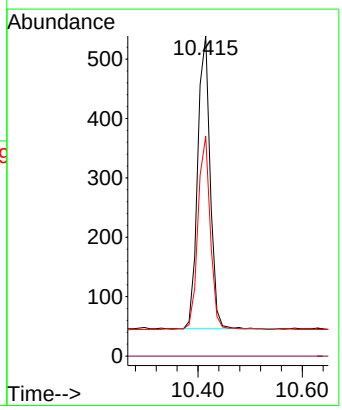
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

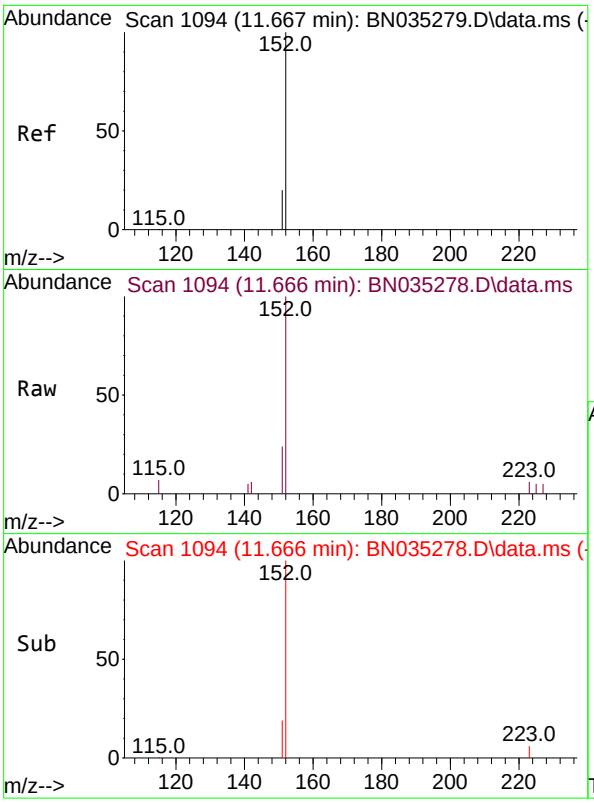


#10
Hexachlorobutadiene
Concen: 0.189 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:225 Resp: 818

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.4	51.3	76.9

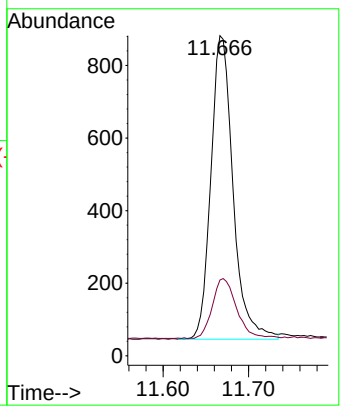




#11
2-Methylnaphthalene-d10
Concen: 0.149 ng
RT: 11.666 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:152 Resp: 150

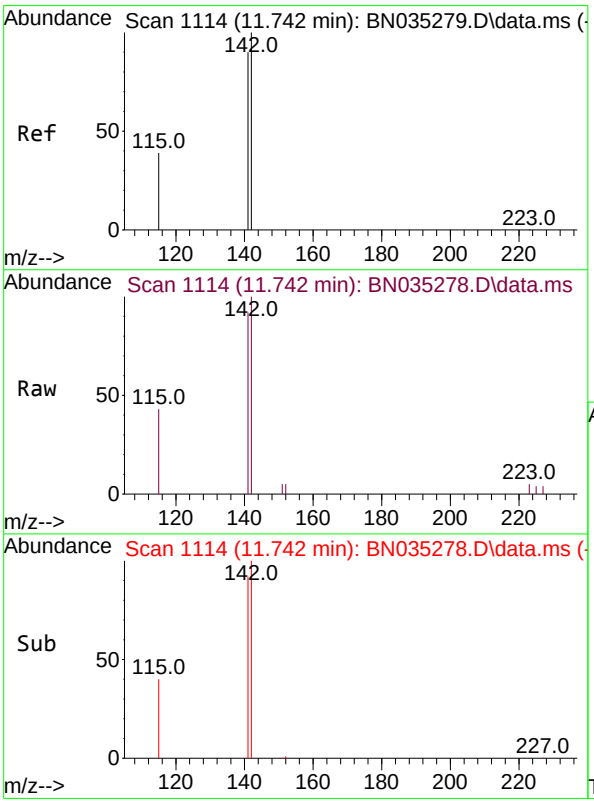
Ion	Ratio	Lower	Upper
152	100		
151	22.0	17.2	25.8



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations
APPROVED

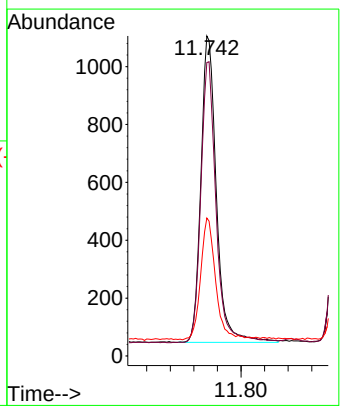
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

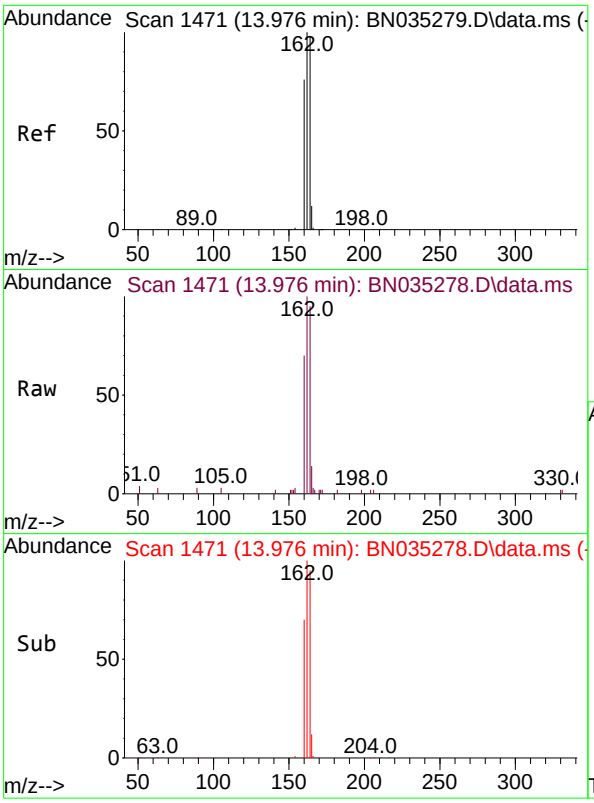


#12
2-Methylnaphthalene
Concen: 0.177 ng
RT: 11.742 min Scan# 1114
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:142 Resp: 1929

Ion	Ratio	Lower	Upper
142	100		
141	91.7	71.8	107.8
115	43.1	32.6	49.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

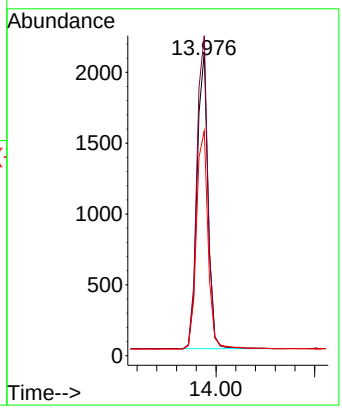
Tgt Ion:164 Resp: 320

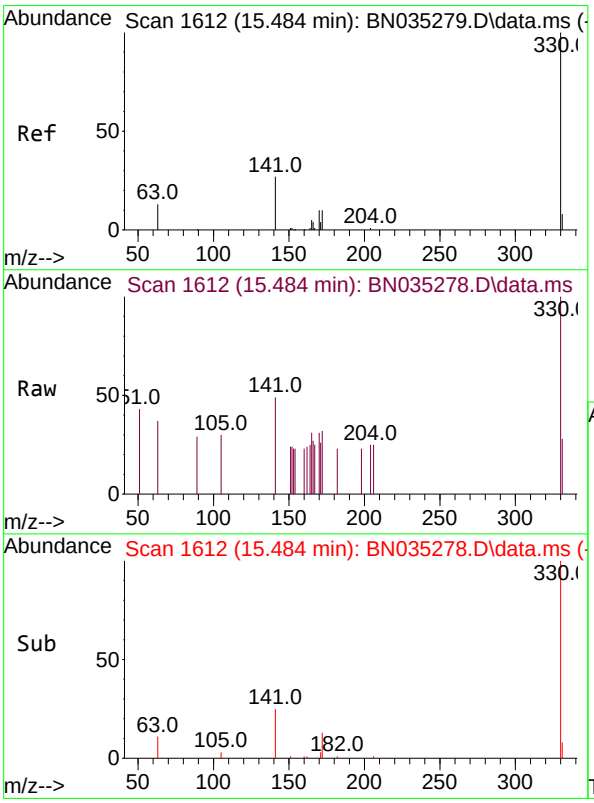
Ion	Ratio	Lower	Upper
164	100		
162	105.6	82.0	123.0
160	74.2	63.0	94.4

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

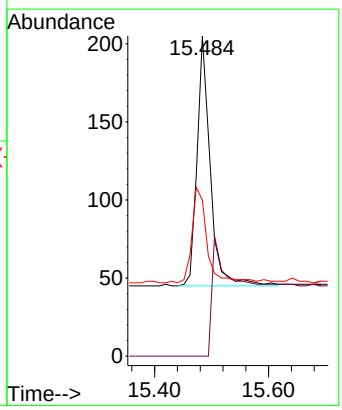


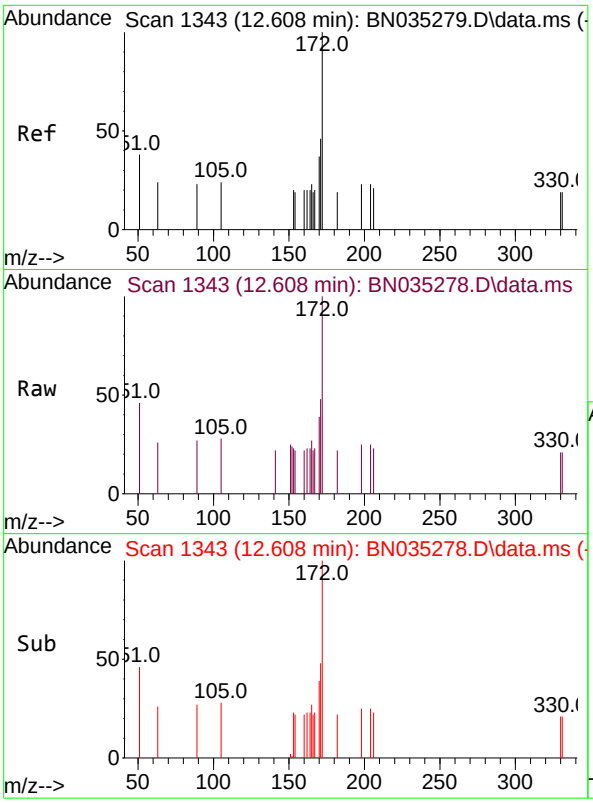


#14
2,4,6-Tribromophenol
Concen: 0.121 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:330 Resp: 279

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	43.4	32.4	48.6

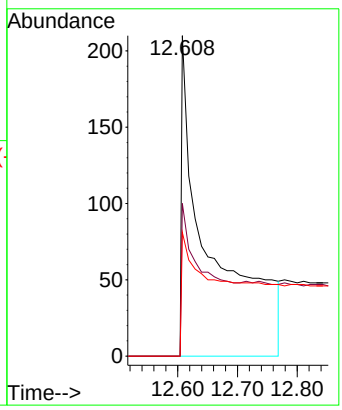




#15
2-Fluorobiphenyl
Concen: 0.052 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:172 Resp: 67

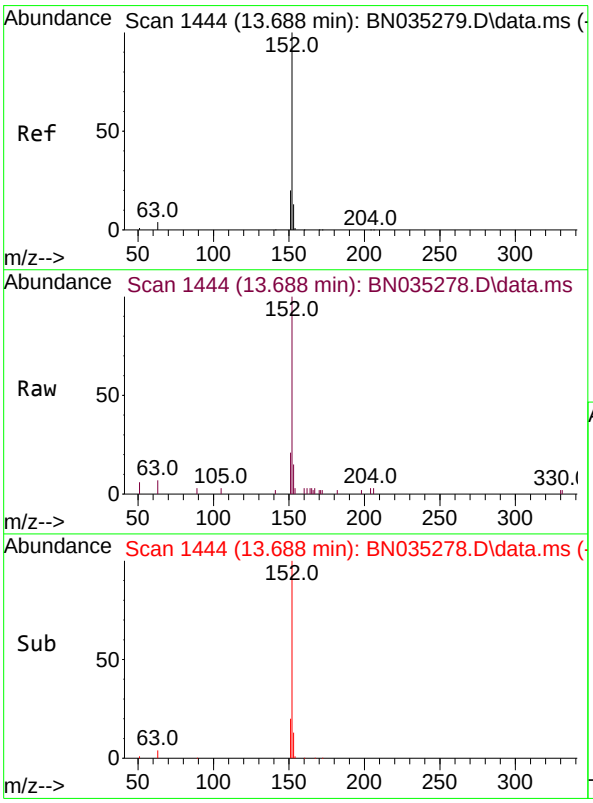
Ion	Ratio	Lower	Upper
172	100		
171	47.6	36.6	55.0
170	38.6	29.7	44.5



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED

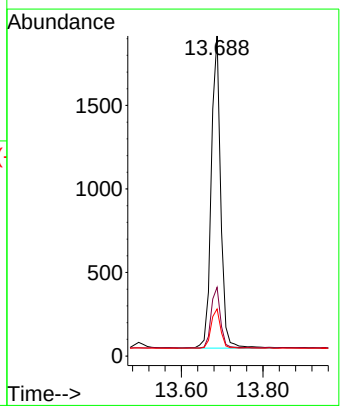
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

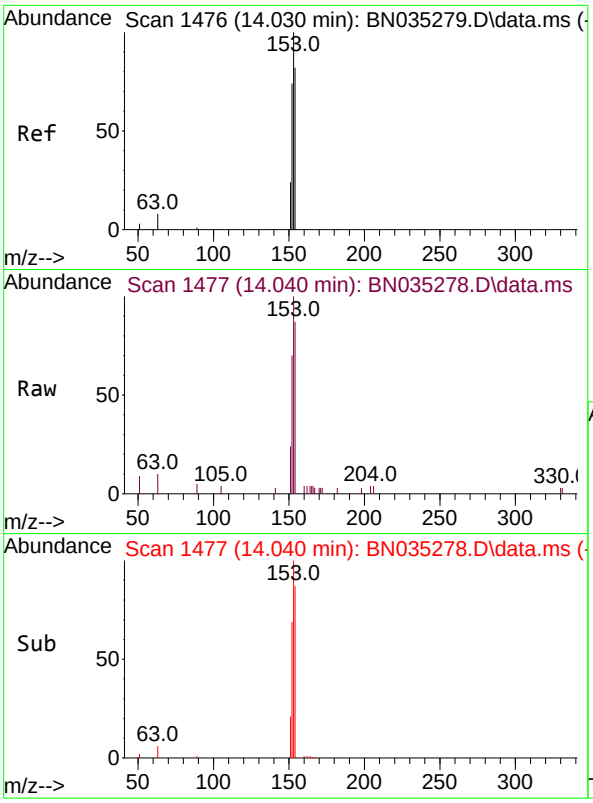


#16
Acenaphthylene
Concen: 0.219 ng
RT: 13.688 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:152 Resp: 2991

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.9	23.9
153	12.9	10.2	15.4

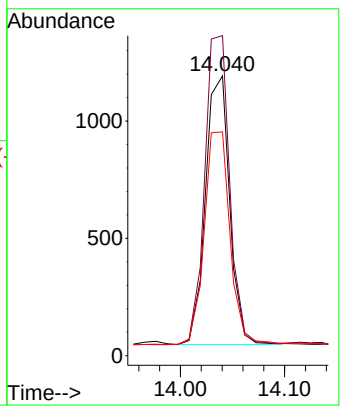




#17
Acenaphthene
Concen: 0.207 ng
RT: 14.040 min Scan# 14
Delta R.T. 0.010 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:154 Resp: 185

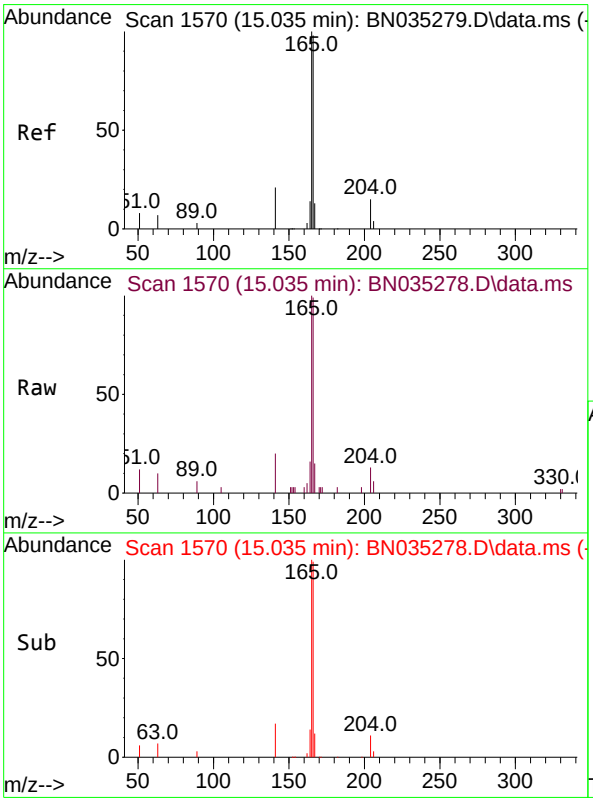
Ion	Ratio	Lower	Upper
154	100		
153	119.7	96.1	144.1
152	84.6	72.2	108.2



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations
APPROVED

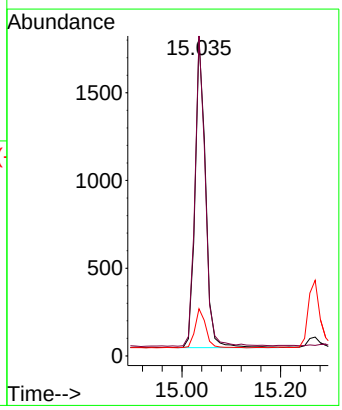
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

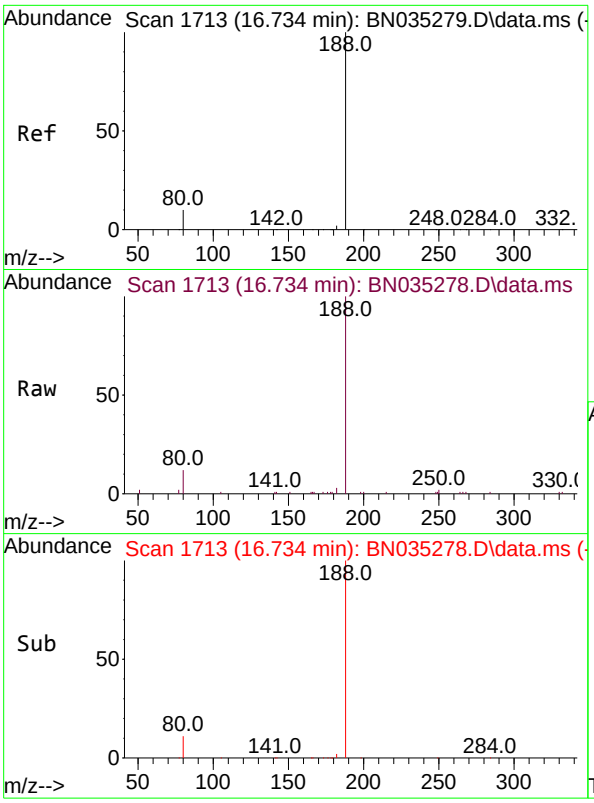


#18
Fluorene
Concen: 0.196 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:166 Resp: 2587

Ion	Ratio	Lower	Upper
166	100		
165	99.7	81.2	121.8
167	13.2	10.5	15.7





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

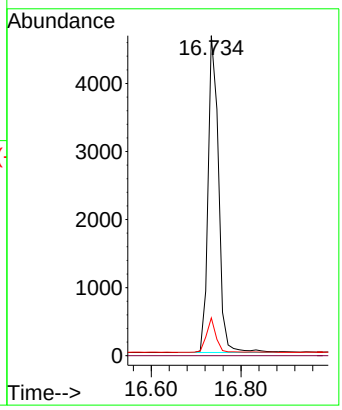
Tgt Ion:188 Resp: 753

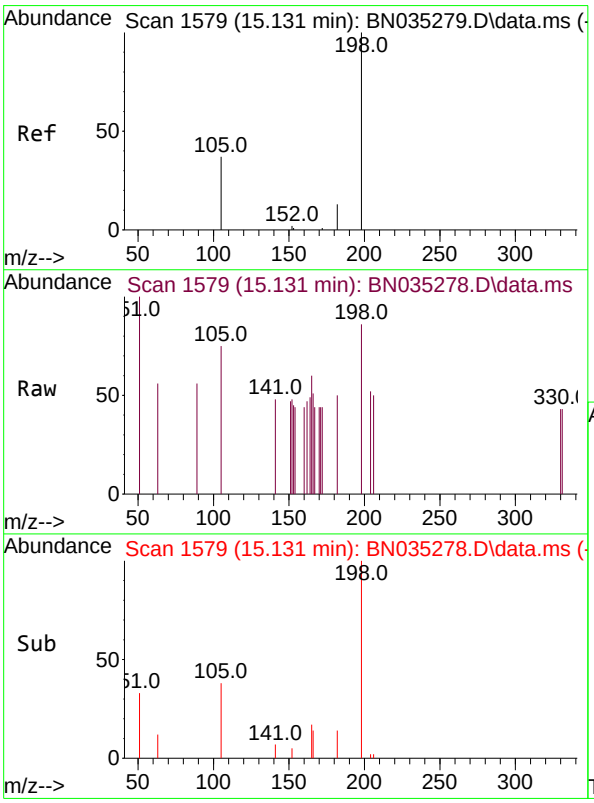
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.8	8.9	13.3

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

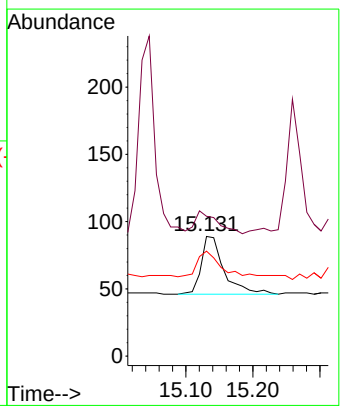


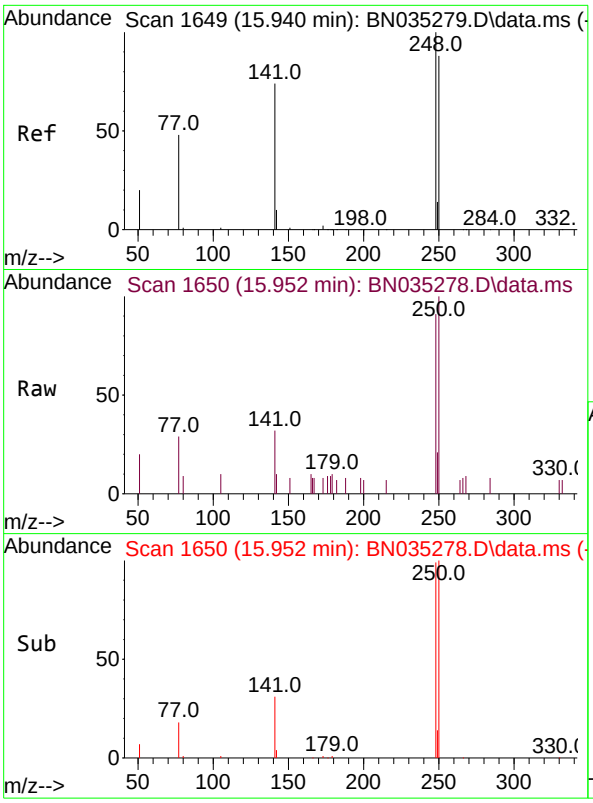


#20
4,6-Dinitro-2-methylphenol
Concen: 0.065 ng
RT: 15.131 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:198 Resp: 102

Ion	Ratio	Lower	Upper
198	100		
51	116.9	53.6	80.4#
105	87.6	47.4	71.2#

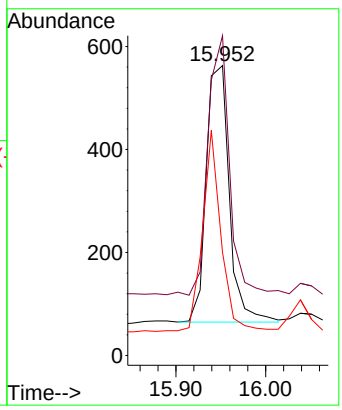




#21
4-Bromophenyl-phenylether
Concen: 0.185 ng
RT: 15.952 min Scan# 1(
Delta R.T. 0.012 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:248 Resp: 88

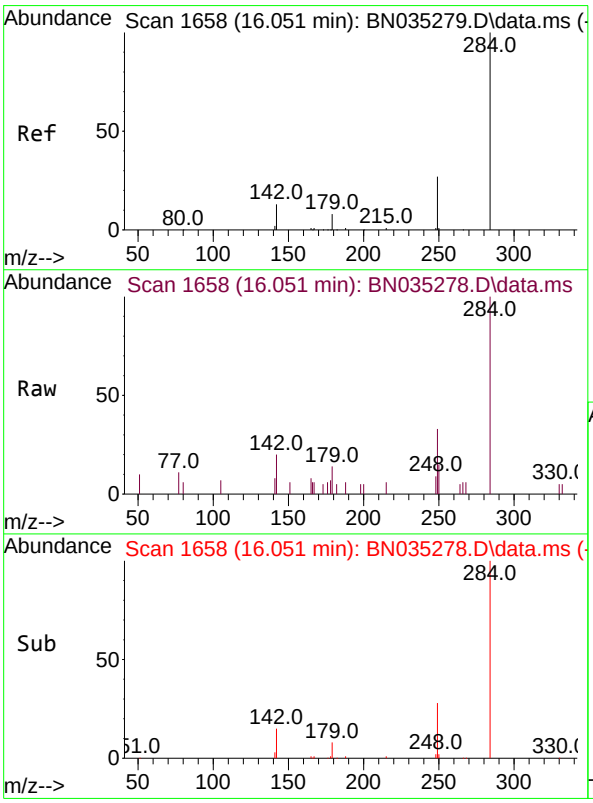
Ion	Ratio	Lower	Upper
248	100		
250	110.3	74.8	112.2
141	35.5	59.0	88.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations
APPROVED

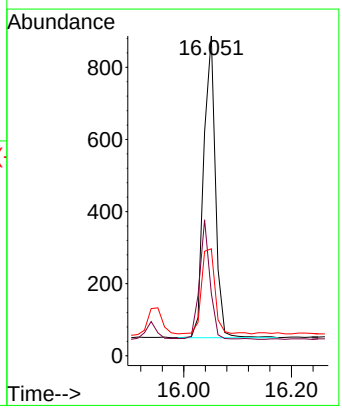
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

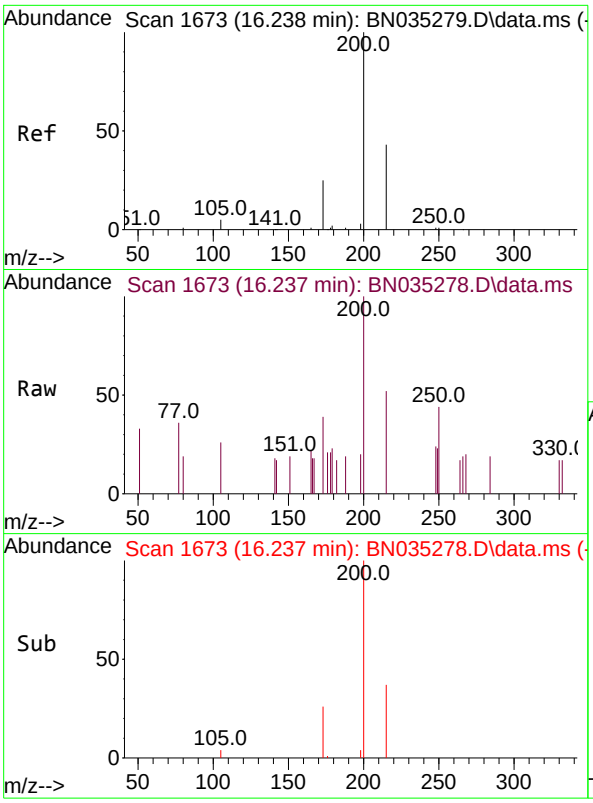


#22
Hexachlorobenzene
Concen: 0.254 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:284 Resp: 1264

Ion	Ratio	Lower	Upper
284	100		
142	35.2	28.7	43.1
249	33.8	25.4	38.0

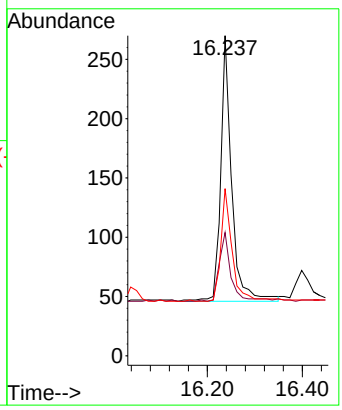




#23
Atrazine
Concen: 0.083 ng
RT: 16.237 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:200 Resp: 35

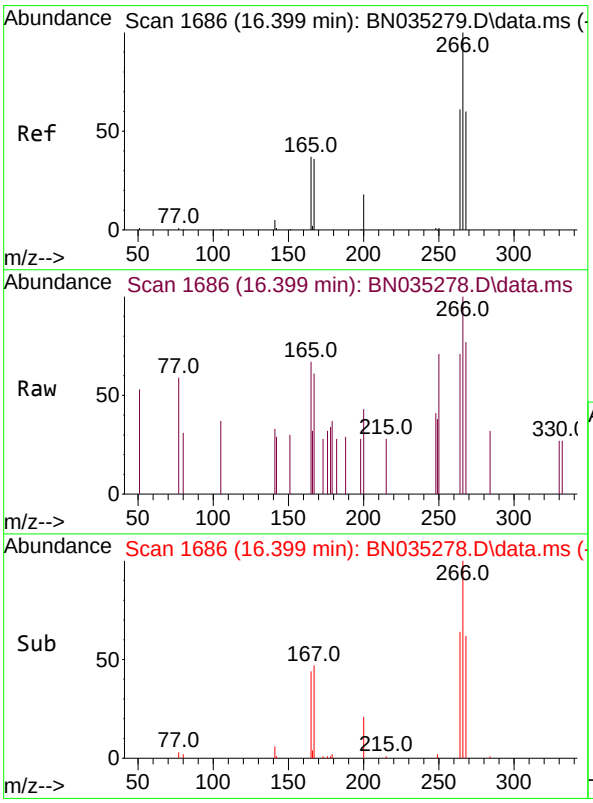
Ion	Ratio	Lower	Upper
200	100		
173	38.5	25.8	38.8
215	52.2	38.6	58.0



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED

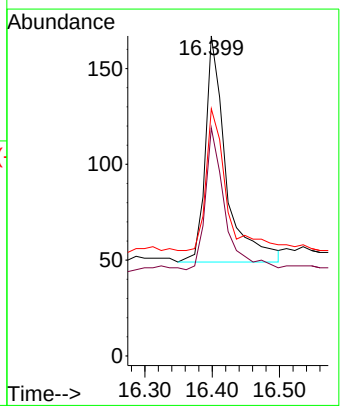
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

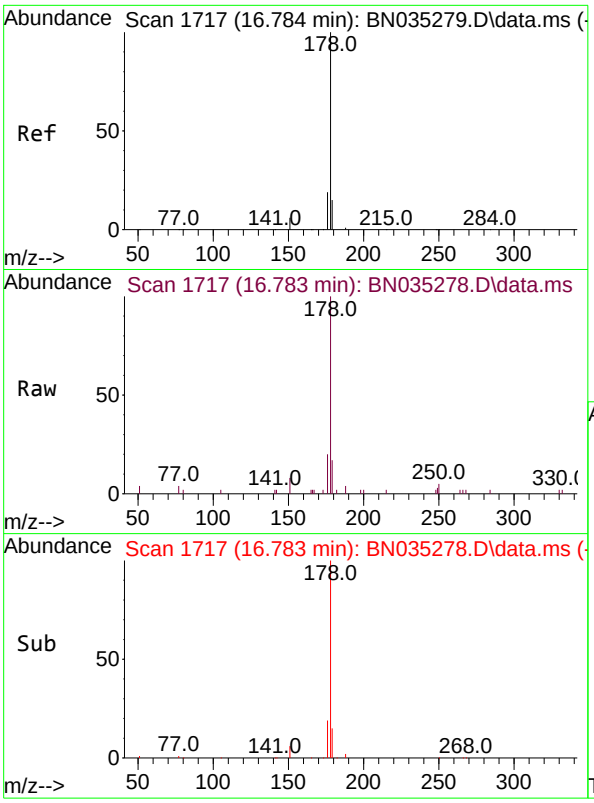


#24
Pentachlorophenol
Concen: 0.108 ng
RT: 16.399 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:266 Resp: 252

Ion	Ratio	Lower	Upper
266	100		
264	59.1	49.3	73.9
268	63.1	48.6	73.0

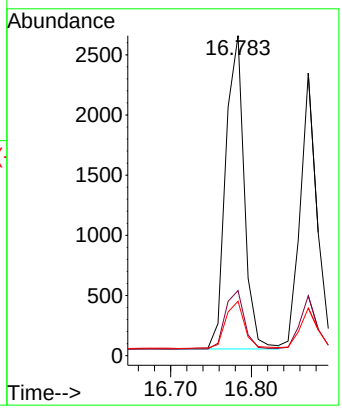




#25
Phenanthrene
Concen: 0.210 ng
RT: 16.783 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:178 Resp: 415

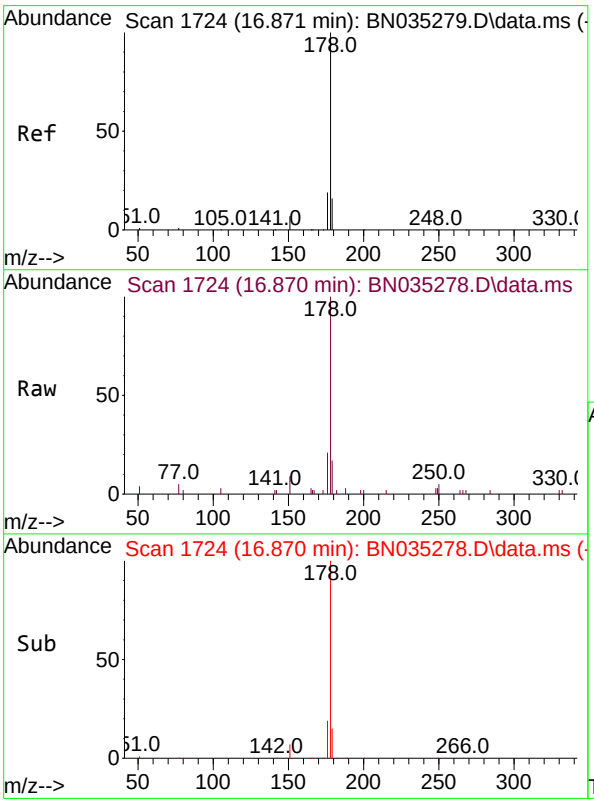
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.5	12.6	18.8



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations
APPROVED

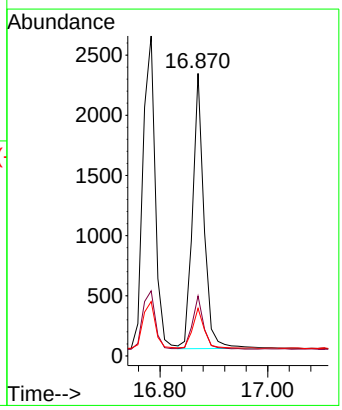
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

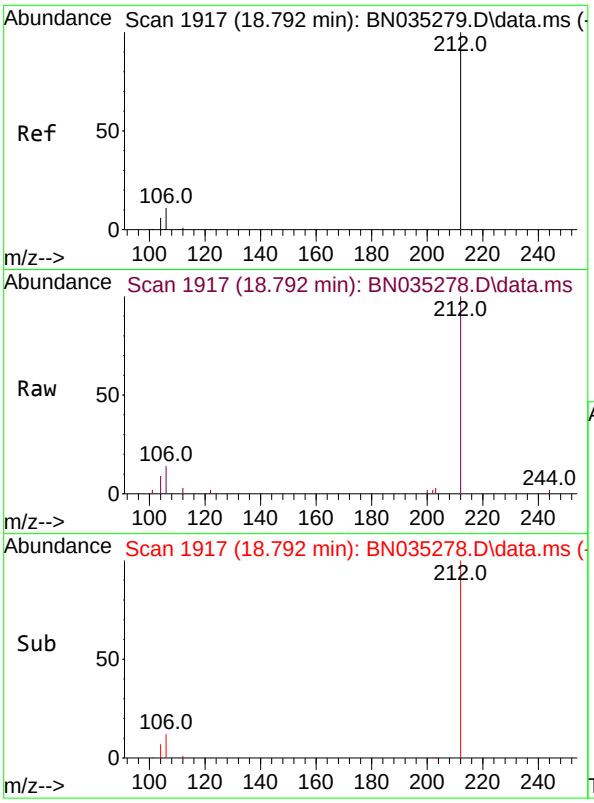


#26
Anthracene
Concen: 0.186 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:178 Resp: 3384

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.0	12.4	18.6

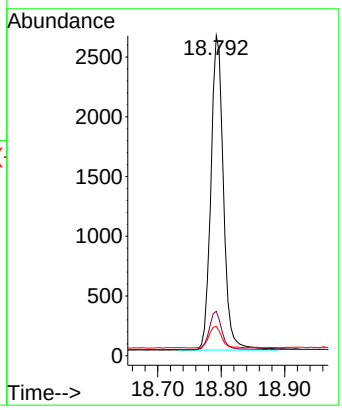




#27
Fluoranthene-d10
Concen: 0.157 ng
RT: 18.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:212 Resp: 362

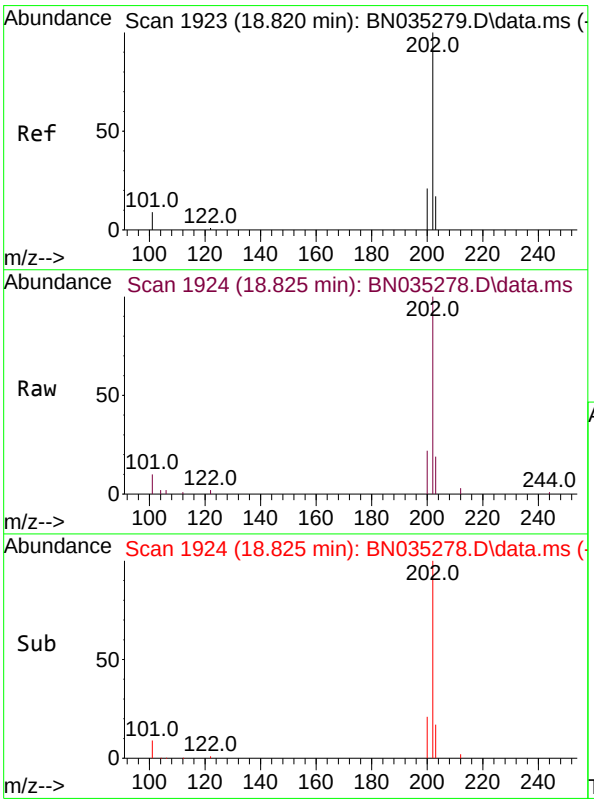
Ion	Ratio	Lower	Upper
212	100		
106	12.3	9.8	14.8
104	6.9	5.6	8.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED

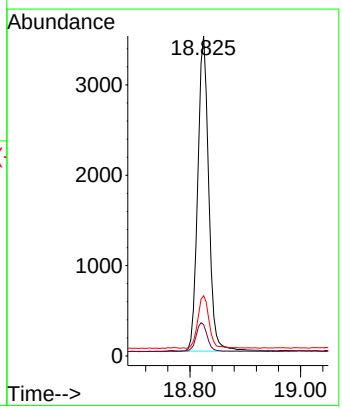
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

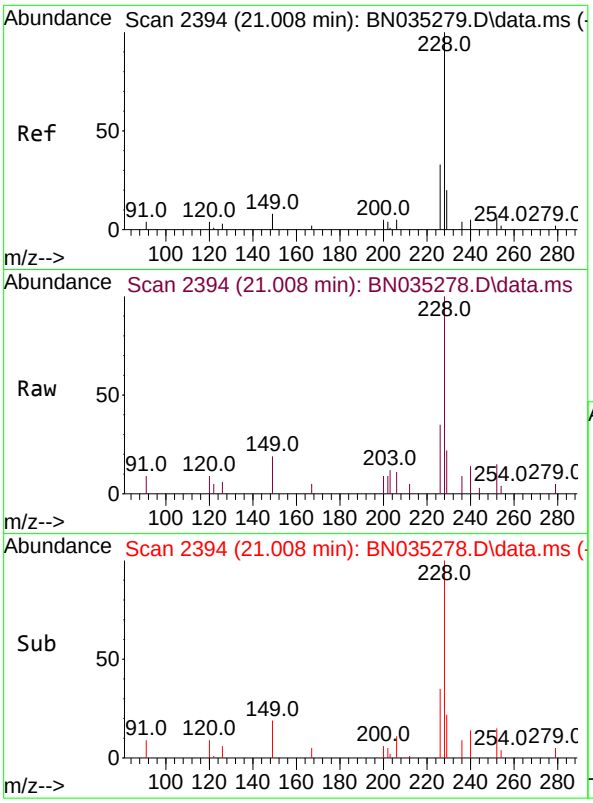


#28
Fluoranthene
Concen: 0.177 ng
RT: 18.825 min Scan# 1924
Delta R.T. 0.004 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:202 Resp: 4828

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.6	11.4
203	17.3	13.8	20.8

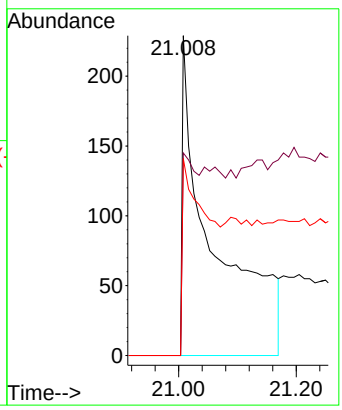




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:240 Resp: 79

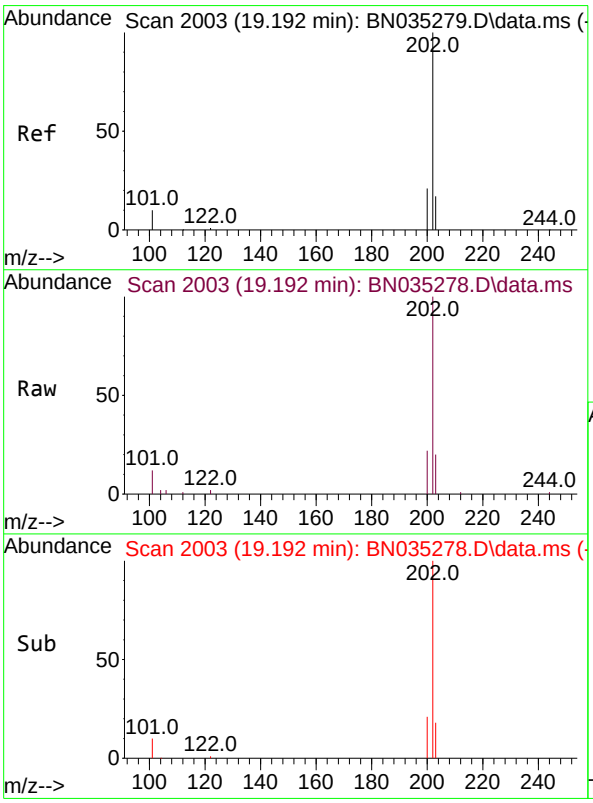
Ion	Ratio	Lower	Upper
240	100		
120	63.3	54.9	82.3
236	61.6	54.0	81.0



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED

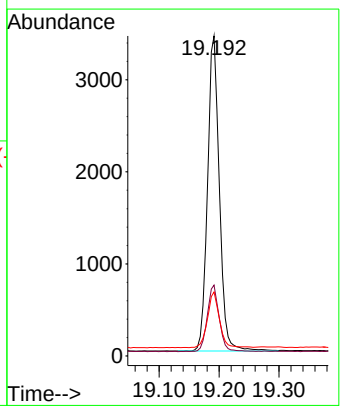
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

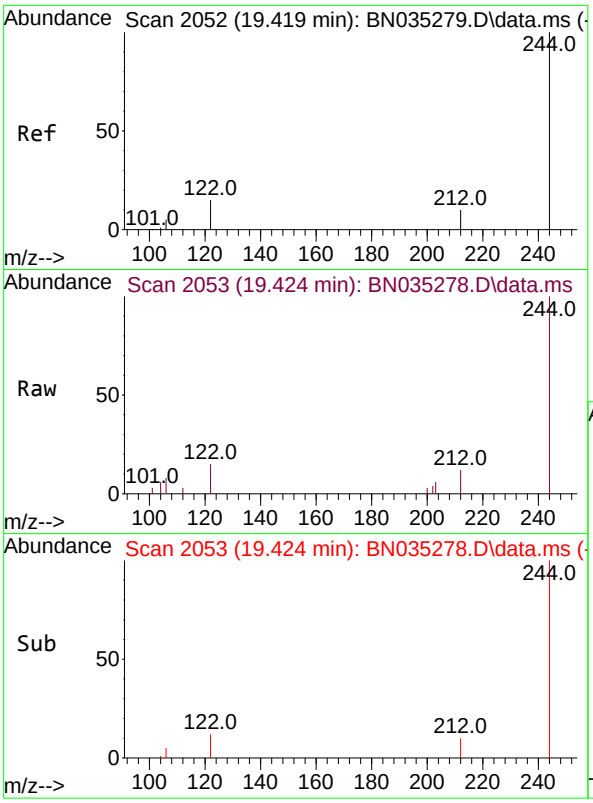


#30
Pyrene
Concen: 1.770 ng
RT: 19.192 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:202 Resp: 4697

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.7	14.4	21.6

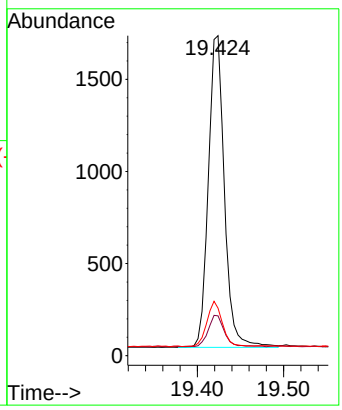




#31
Terphenyl-d14
Concen: 1.314 ng
RT: 19.424 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:244 Resp: 219

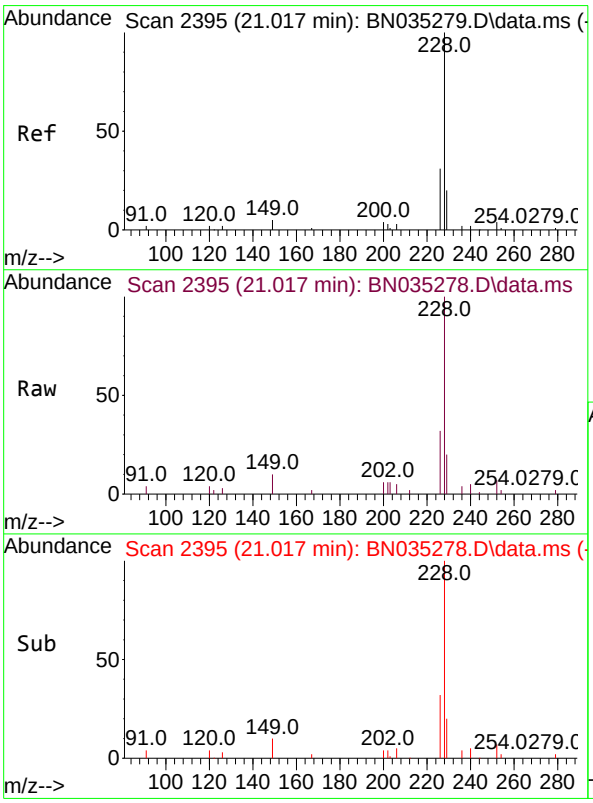
Ion	Ratio	Lower	Upper
244	100		
212	12.4	9.4	14.0
122	14.9	13.0	19.4



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED

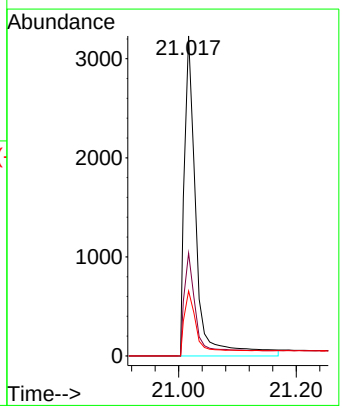
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

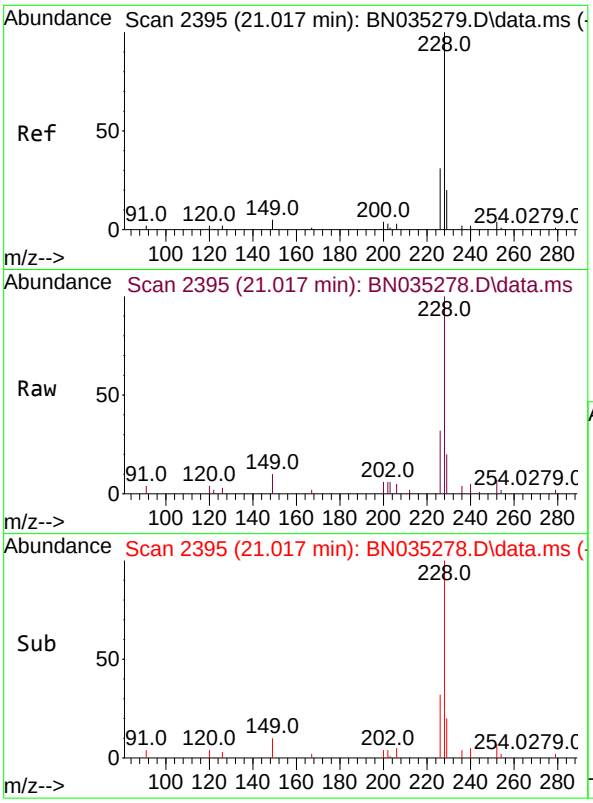


#32
Benzo(a)anthracene
Concen: 1.607 ng
RT: 21.017 min Scan# 2395
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:228 Resp: 4459

Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.7	37.1
229	20.3	16.2	24.2

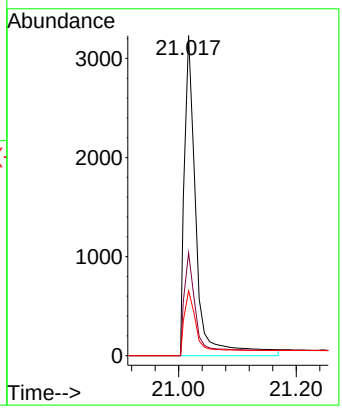




#33
Chrysene
Concen: 1.622 ng
RT: 21.017 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:228 Resp: 445

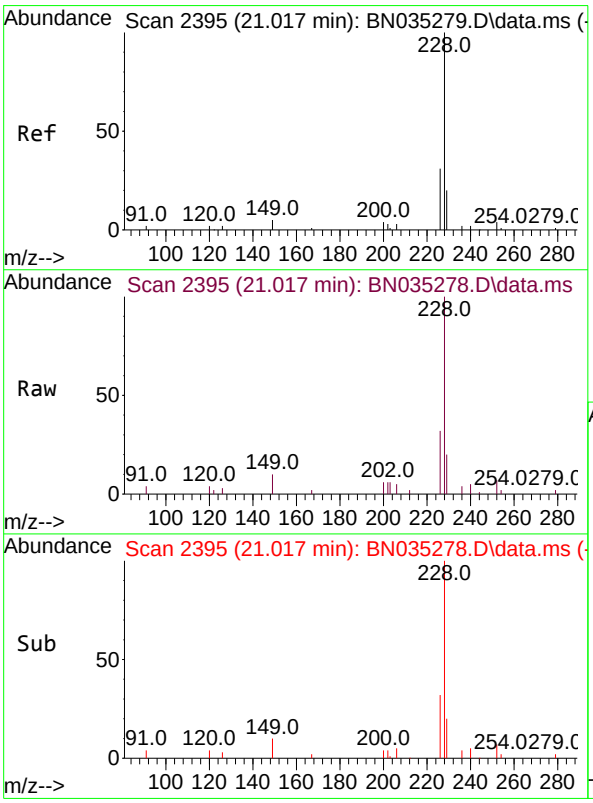
Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.7	37.1
229	20.3	16.2	24.2



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED

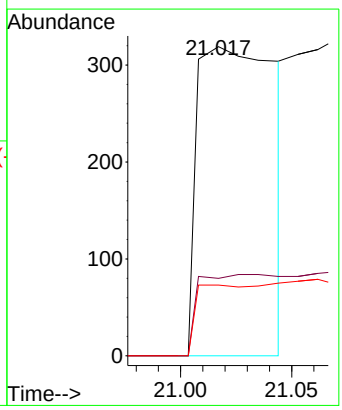
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

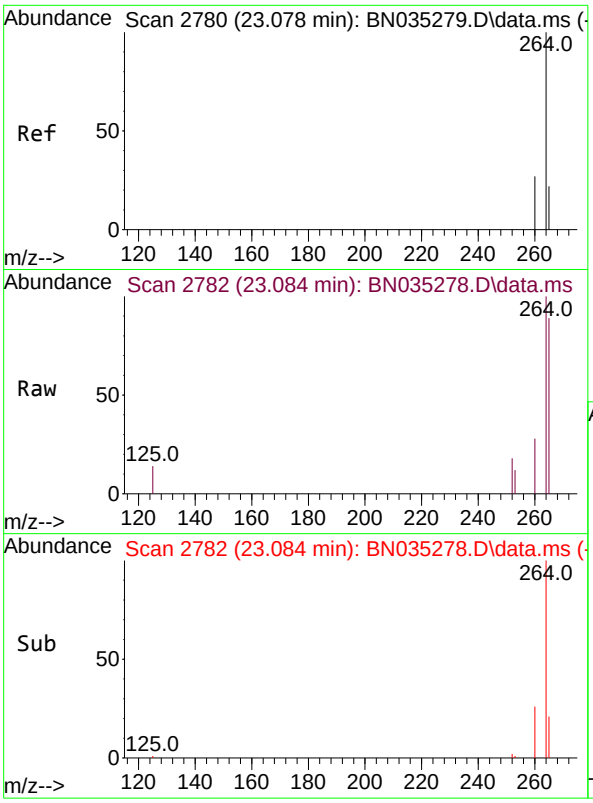


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.478 ng
RT: 21.017 min Scan# 2395
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:149 Resp: 696

Ion	Ratio	Lower	Upper
149	100		
167	26.7	0.0	0.0#
279	12.8	13.0	19.6#

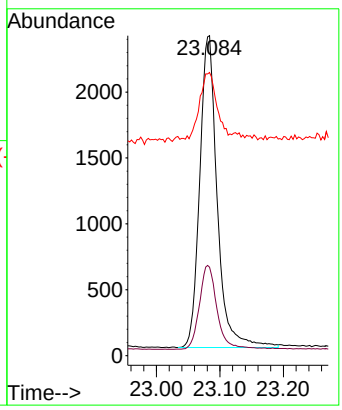




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.084 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:264 Resp: 452

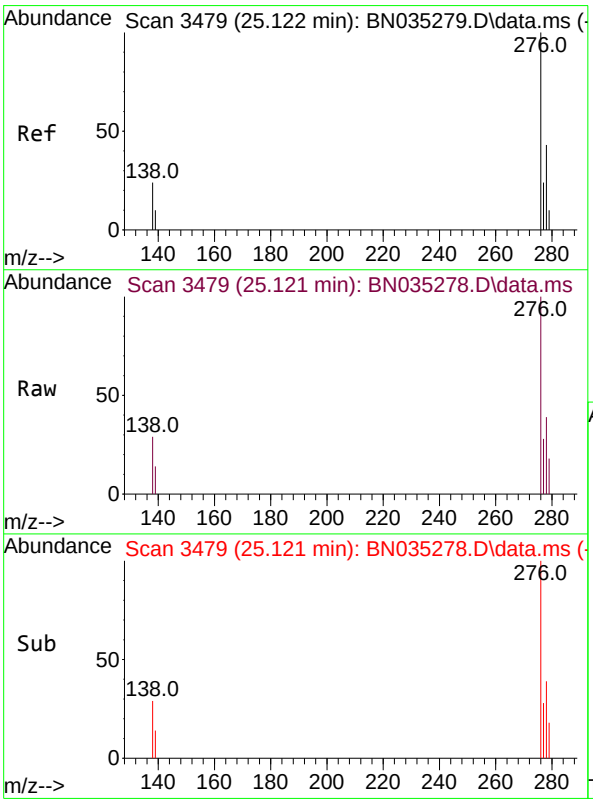
Ion	Ratio	Lower	Upper
264	100		
260	27.6	22.3	33.5
265	88.5	68.6	103.0



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED

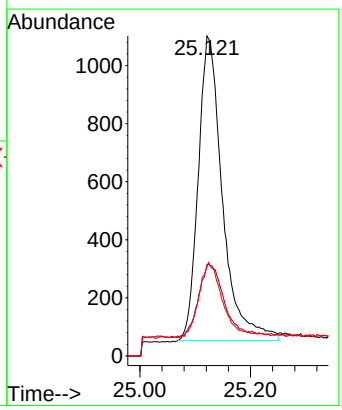
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

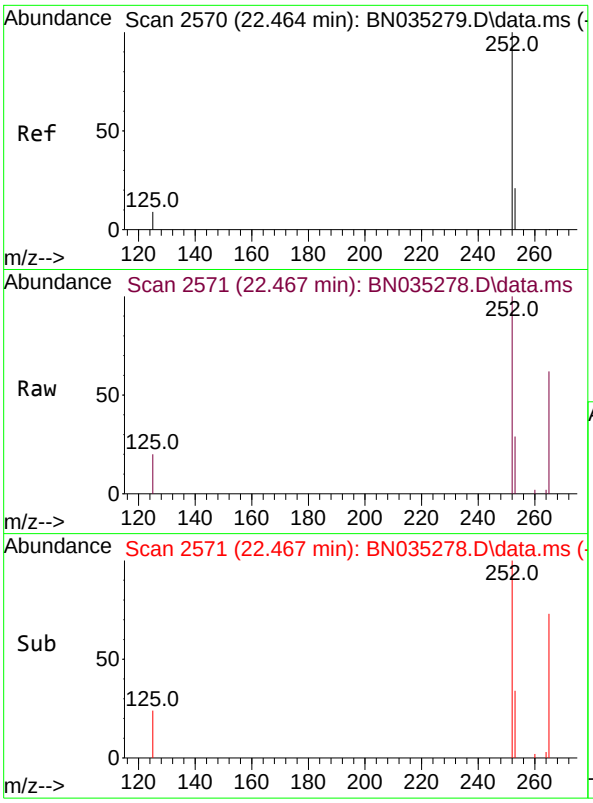


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.177 ng
RT: 25.121 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:276 Resp: 3191

Ion	Ratio	Lower	Upper
276	100		
138	23.2	18.8	28.2
277	23.0	18.2	27.4

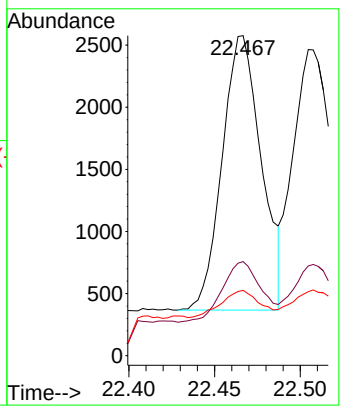




#37
Benzo(b)fluoranthene
Concen: 0.231 ng
RT: 22.467 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:252 Resp: 351

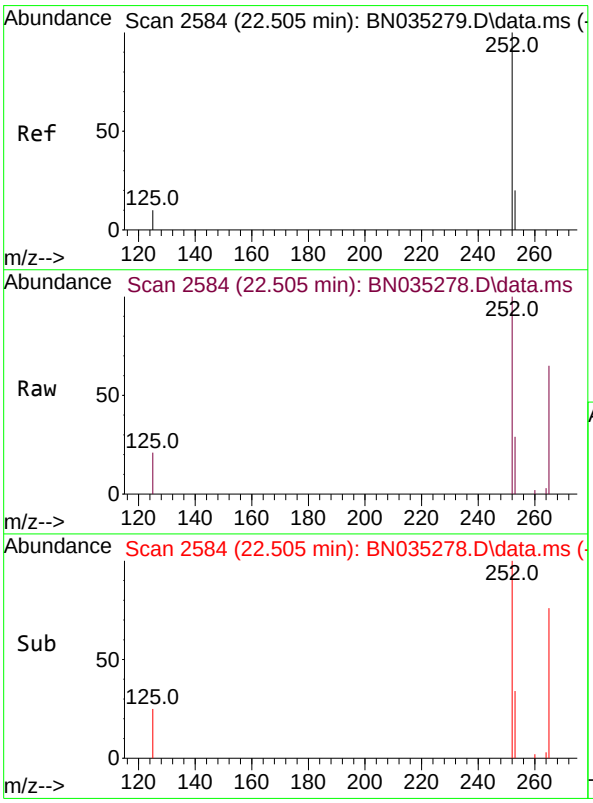
Ion	Ratio	Lower	Upper
252	100		
253	29.4	20.2	30.2
125	20.4	12.0	18.0#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations
APPROVED

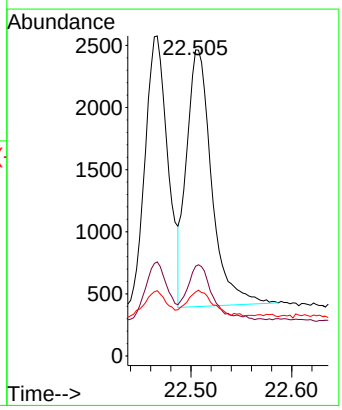
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

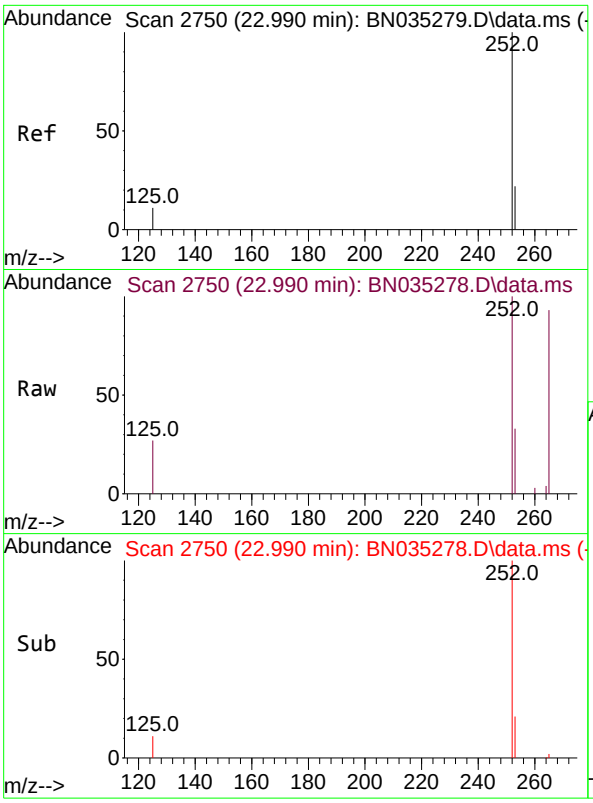


#38
Benzo(k)fluoranthene
Concen: 0.235 ng
RT: 22.505 min Scan# 2584
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:252 Resp: 3588

Ion	Ratio	Lower	Upper
252	100		
253	29.3	20.1	30.1
125	20.9	12.7	19.1#

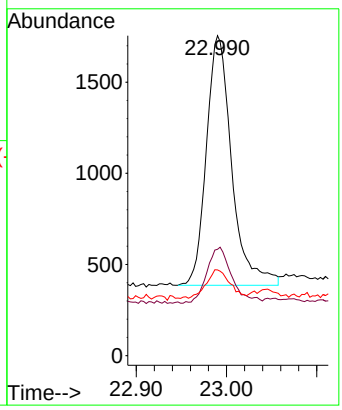




#39
Benzo(a)pyrene
Concen: 0.199 ng
RT: 22.990 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:252 Resp: 267

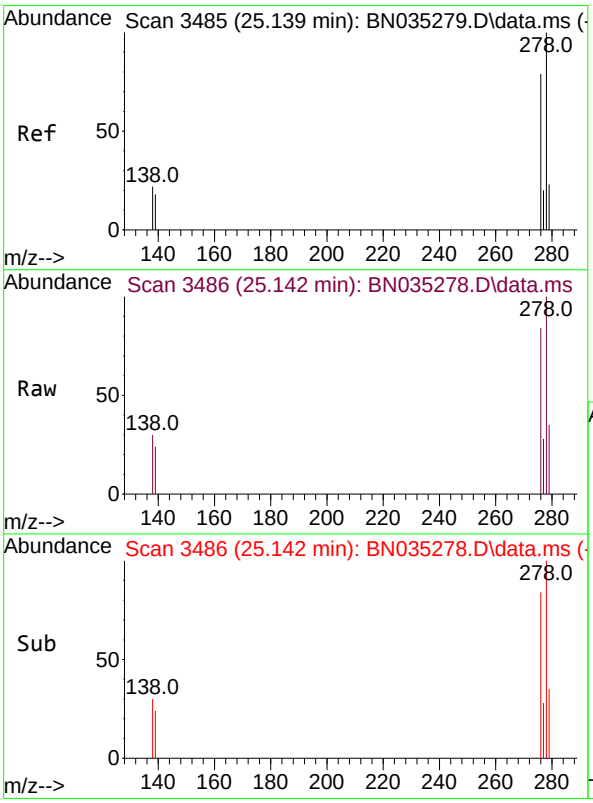
Ion	Ratio	Lower	Upper
252	100		
253	33.2	22.3	33.5
125	26.8	15.3	22.9#



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations
APPROVED

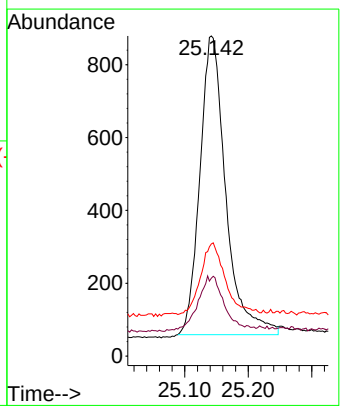
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

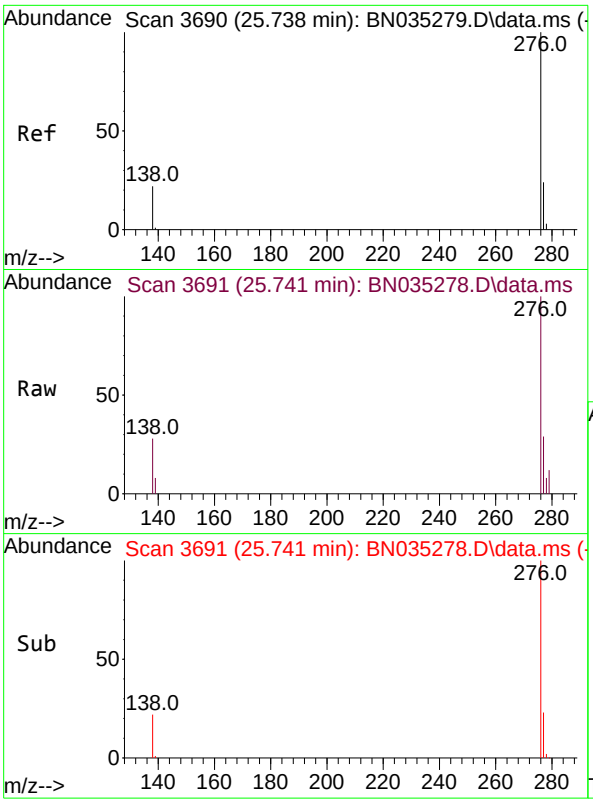


#40
Dibenzo(a,h)anthracene
Concen: 0.163 ng
RT: 25.142 min Scan# 3486
Delta R.T. 0.003 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:278 Resp: 2328

Ion	Ratio	Lower	Upper
278	100		
139	24.3	17.0	25.6
279	35.0	23.0	34.4#

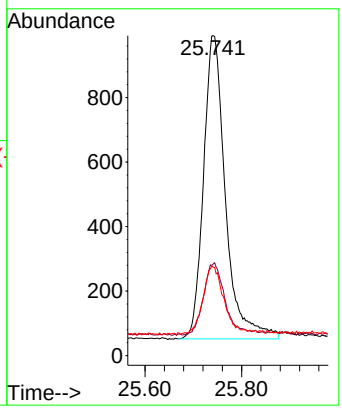




#41
Benzo(g,h,i)perylene
Concen: 0.195 ng
RT: 25.741 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:276 Resp: 296

Ion	Ratio	Lower	Upper
276	100		
277	28.6	21.1	31.7
138	27.6	19.8	29.8



Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035279.D
Acq On : 25 Nov 2024 11:28
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Nov 25 14:13:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:13:00 2024
Response via : Initial Calibration

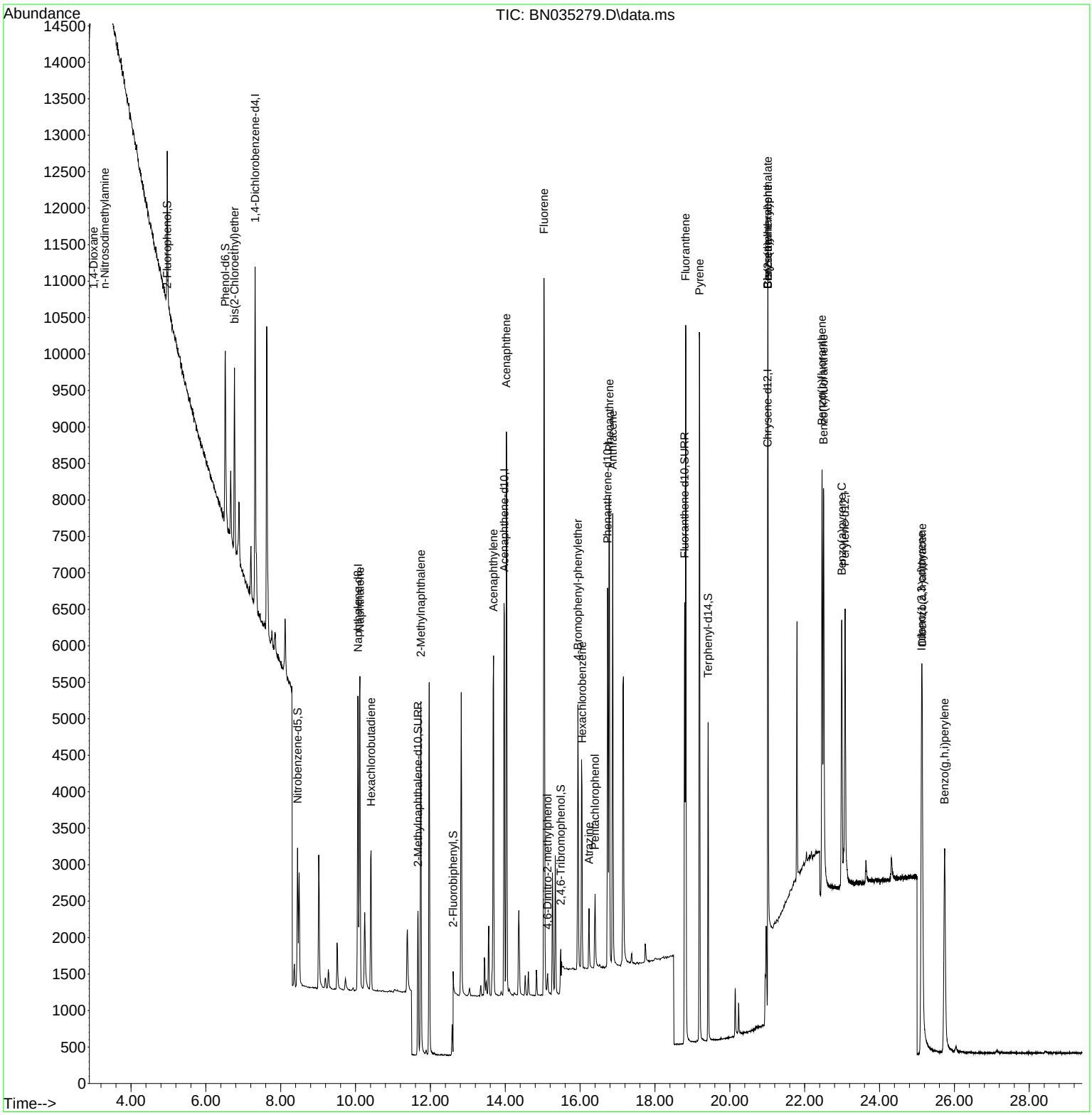
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.315	152	2200	0.400	ng		0.00
7) Naphthalene-d8	10.063	136	5326	0.400	ng		0.00
13) Acenaphthene-d10	13.976	164	2947	0.400	ng		0.00
19) Phenanthrene-d10	16.734	188	6895	0.400	ng		0.00
29) Chrysene-d12	21.008	240	586	0.400	ng		0.00
35) Perylene-d12	23.078	264	4692	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.968	112	1735	0.311	ng		0.00
5) Phenol-d6	6.521	99	2431	0.347	ng		0.00
8) Nitrobenzene-d5	8.451	82	1846	0.398	ng		0.00
11) 2-Methylnaphthalene-d10	11.667	152	2873	0.303	ng		0.00
14) 2,4,6-Tribromophenol	15.484	330	531	0.250	ng		0.00
15) 2-Fluorobiphenyl	12.608	172	721	0.060	ng		0.00
27) Fluoranthene-d10	18.792	212	6669	0.316	ng		0.00
31) Terphenyl-d14	19.419	244	4254	3.460	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.003	88	631	0.316	ng		100
3) n-Nitrosodimethylamine	3.300	42	624	0.335	ng		100
6) bis(2-Chloroethyl)ether	6.766	93	1971	0.375	ng		100
9) Naphthalene	10.116	128	5810	0.418	ng		100
10) Hexachlorobutadiene	10.415	225	1664	0.408	ng	#	100
12) 2-Methylnaphthalene	11.742	142	3623	0.353	ng		100
16) Acenaphthylene	13.688	152	5556	0.441	ng		100
17) Acenaphthene	14.030	154	3465	0.420	ng		100
18) Fluorene	15.035	166	4816	0.397	ng		100
20) 4,6-Dinitro-2-methylph...	15.131	198	233	0.162	ng		100
21) 4-Bromophenyl-phenylether	15.940	248	1623	0.369	ng		100
22) Hexachlorobenzene	16.051	284	2429	0.533	ng		100
23) Atrazine	16.238	200	689	0.175	ng		100
24) Pentachlorophenol	16.399	266	544	0.255	ng		100
25) Phenanthrene	16.784	178	7798	0.430	ng		100
26) Anthracene	16.871	178	6280	0.377	ng		100
28) Fluoranthene	18.820	202	9240	0.370	ng		100
30) Pyrene	19.192	202	8957	4.590	ng		100
32) Benzo(a)anthracene	21.017	228	8100	3.970	ng		100
33) Chrysene	21.017	228	8100	4.007	ng		100
34) Bis(2-ethylhexyl)phtha...	21.017	149	533	0.498	ng	#	100
36) Indeno(1,2,3-cd)pyrene	25.122	276	7146	0.382	ng		100
37) Benzo(b)fluoranthene	22.464	252	6813	0.432	ng		100
38) Benzo(k)fluoranthene	22.505	252	7659	0.485	ng		100
39) Benzo(a)pyrene	22.990	252	5365	0.386	ng		100
40) Dibenzo(a,h)anthracene	25.139	278	5194	0.350	ng		100
41) Benzo(g,h,i)perylene	25.738	276	5823	0.369	ng		100

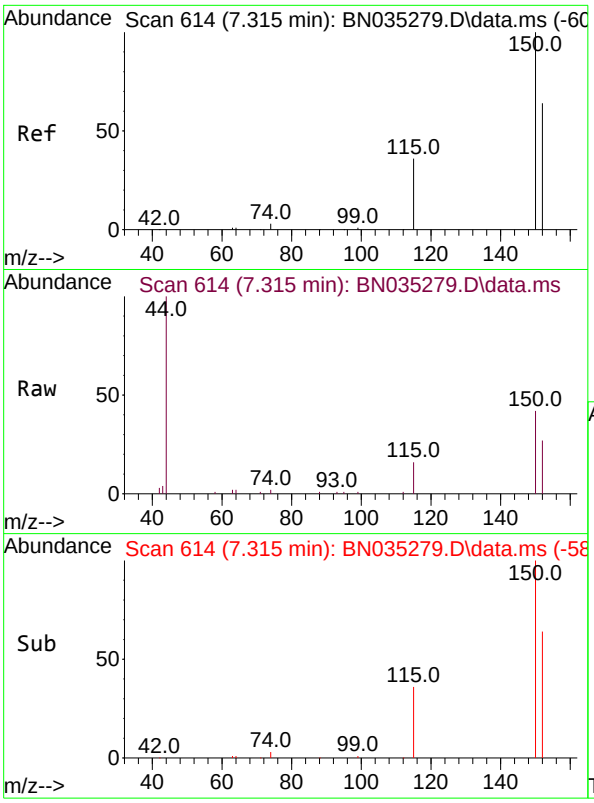
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035279.D
Acq On : 25 Nov 2024 11:28
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Nov 25 14:13:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:13:00 2024
Response via : Initial Calibration



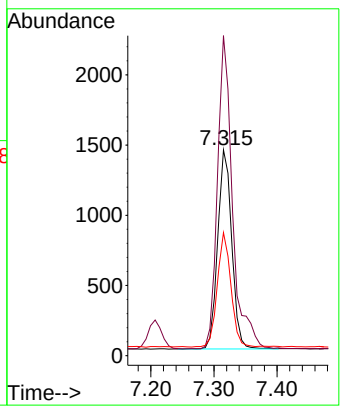


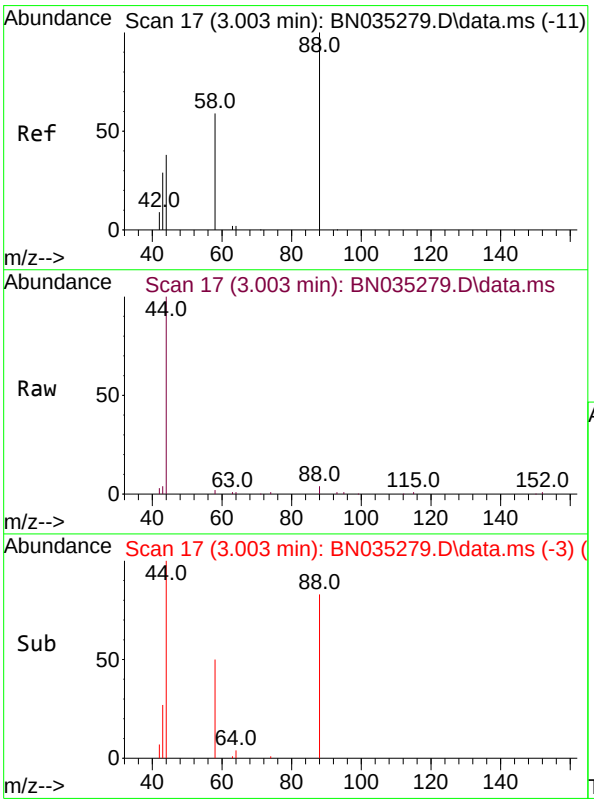
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 2200

Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.5	186.7
115	59.8	47.8	71.8

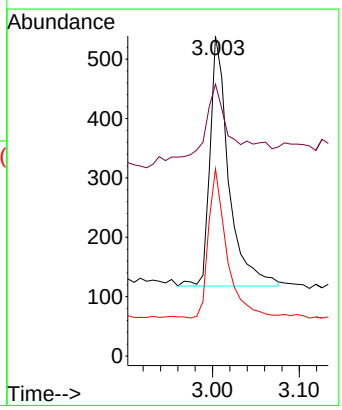


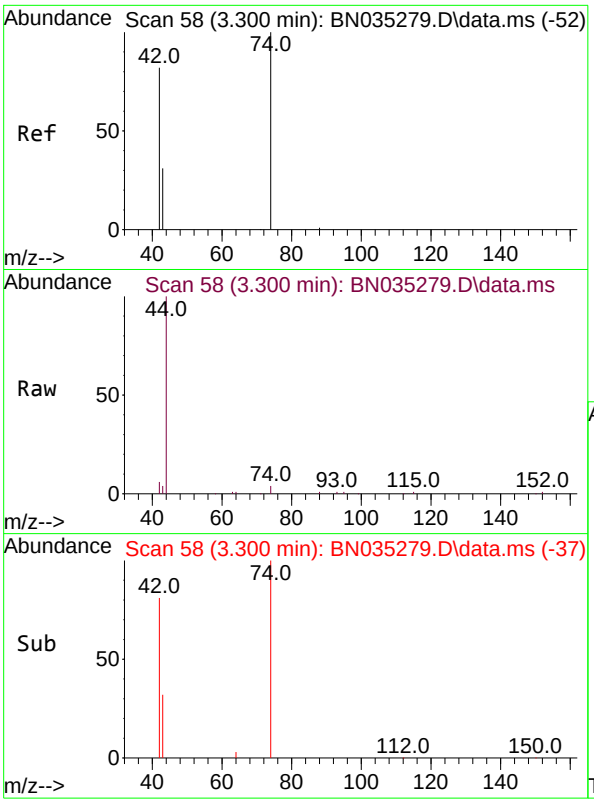


#2
1,4-Dioxane
Concen: 0.316 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion: 88 Resp: 631

Ion	Ratio	Lower	Upper
88	100		
43	60.1	48.1	72.1
58	58.6	46.9	70.3



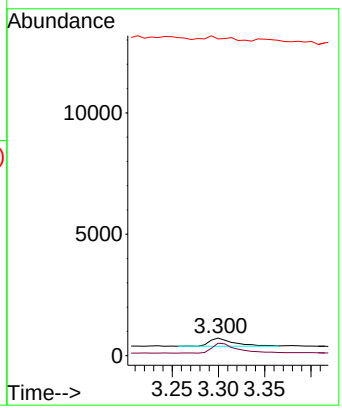


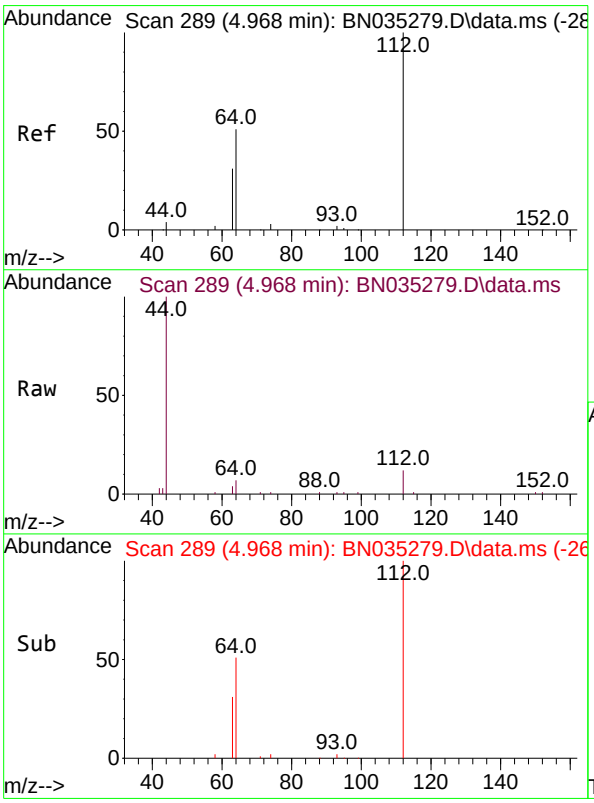
#3
n-Nitrosodimethylamine
Concen: 0.335 ng
RT: 3.300 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 624

Ion	Ratio	Lower	Upper
42	100		
74	128.4	102.7	154.1
44	42.6	34.1	51.1

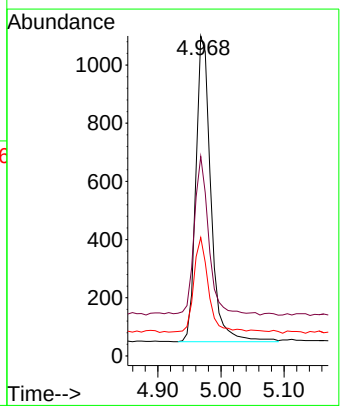


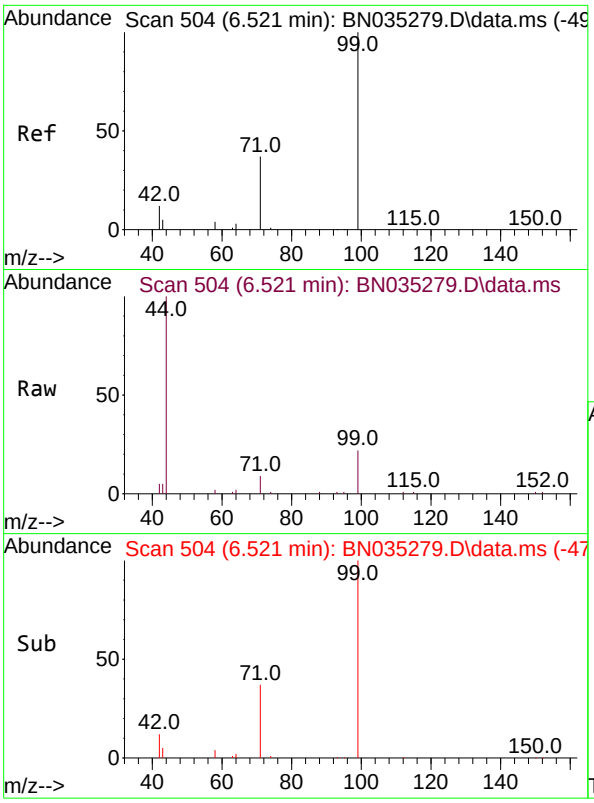


#4
2-Fluorophenol
Concen: 0.311 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:112 Resp: 1735

Ion	Ratio	Lower	Upper
112	100		
64	50.5	40.4	60.6
63	29.8	23.8	35.8



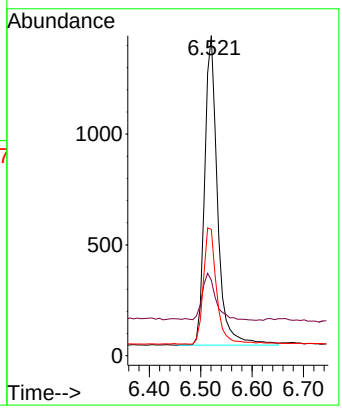


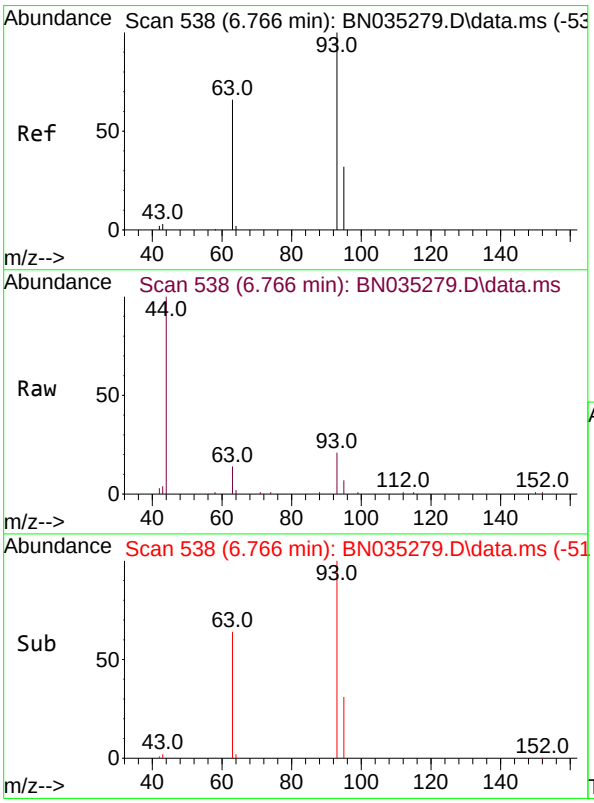
#5
Phenol-d6
Concen: 0.347 ng
RT: 6.521 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 2431

Ion	Ratio	Lower	Upper
99	100		
42	16.0	12.8	19.2
71	39.3	31.4	47.2

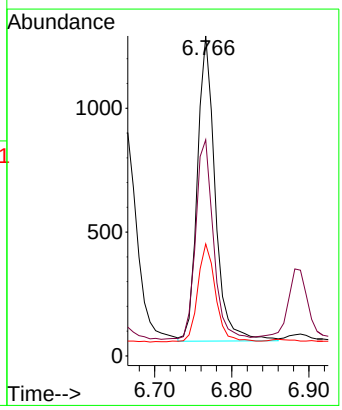


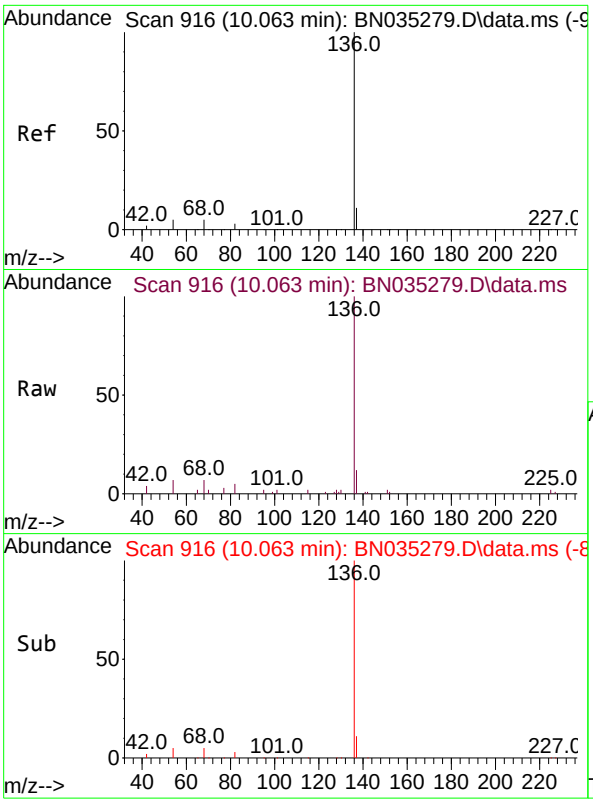


#6
bis(2-Chloroethyl)ether
Concen: 0.375 ng
RT: 6.766 min Scan# 538
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion: 93 Resp: 1971

Ion	Ratio	Lower	Upper
93	100		
63	65.4	52.3	78.5
95	31.9	25.5	38.3



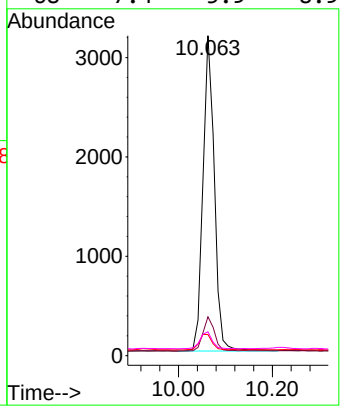


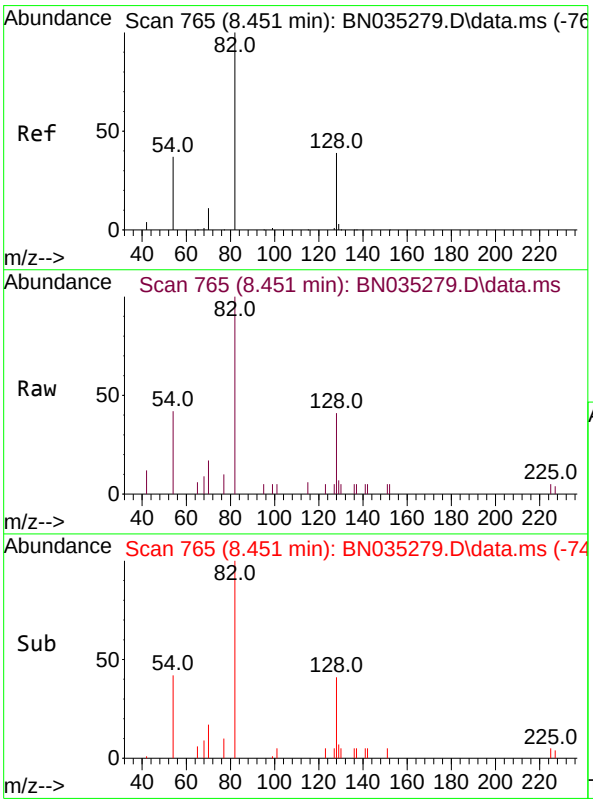
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 5326

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	6.6	5.3	7.9
68	7.4	5.9	8.9

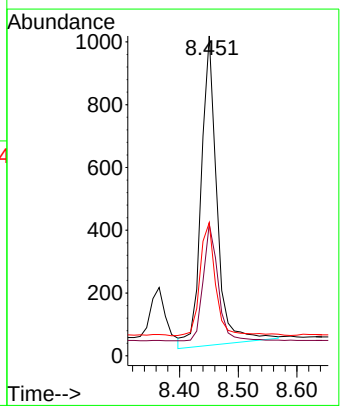


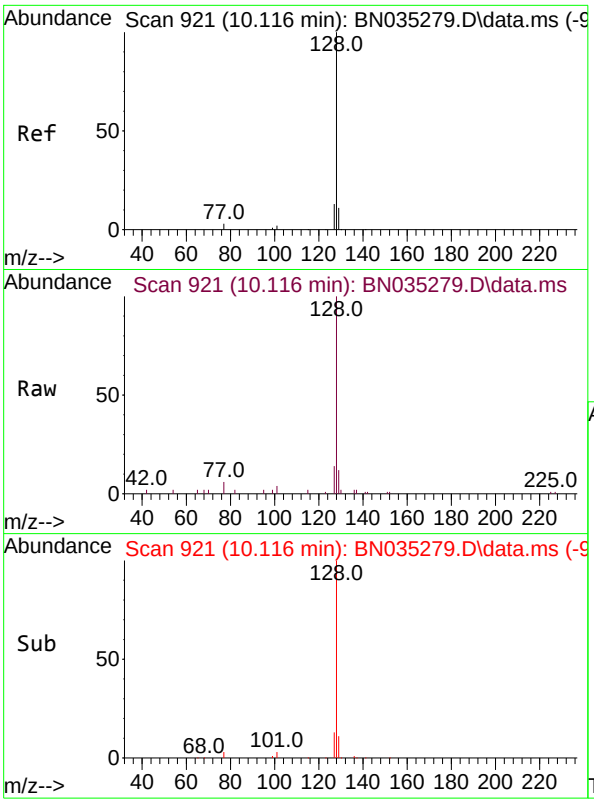


#8
Nitrobenzene-d5
Concen: 0.398 ng
RT: 8.451 min Scan# 765
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion: 82 Resp: 1846

Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.0	49.4
54	41.6	33.3	49.9



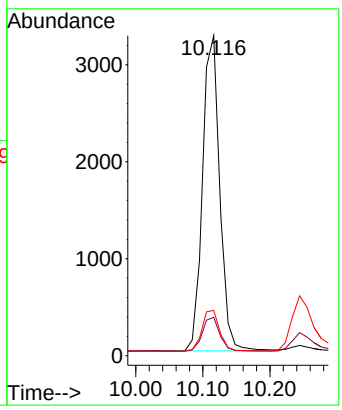


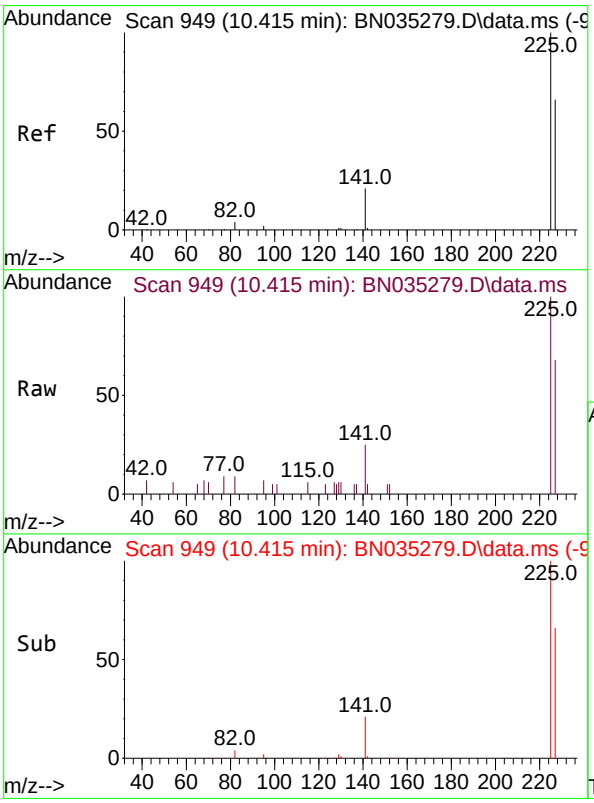
#9
Naphthalene
Concen: 0.418 ng
RT: 10.116 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 5810

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.6	14.4
127	14.1	11.3	16.9

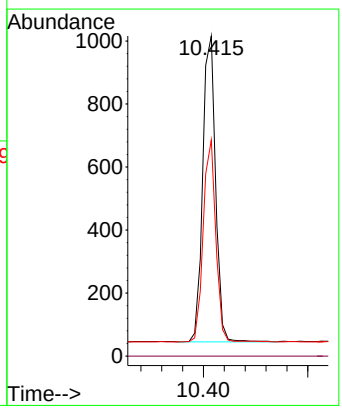


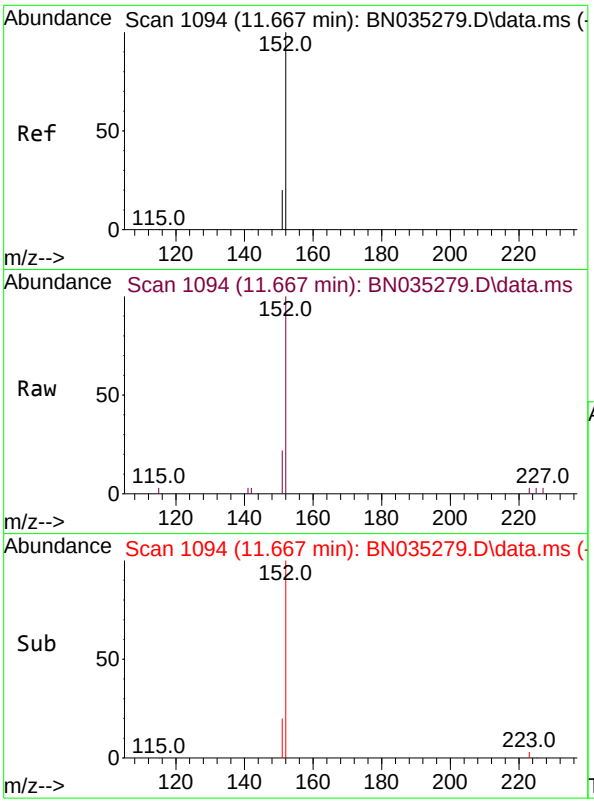


#10
Hexachlorobutadiene
Concen: 0.408 ng
RT: 10.415 min Scan# 949
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:225 Resp: 1664

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	51.3	76.9



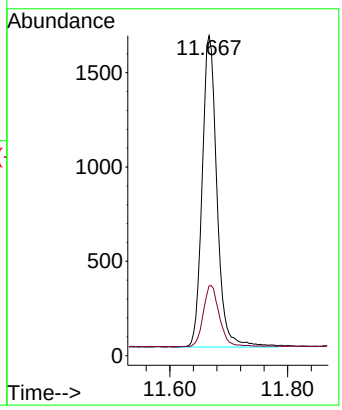


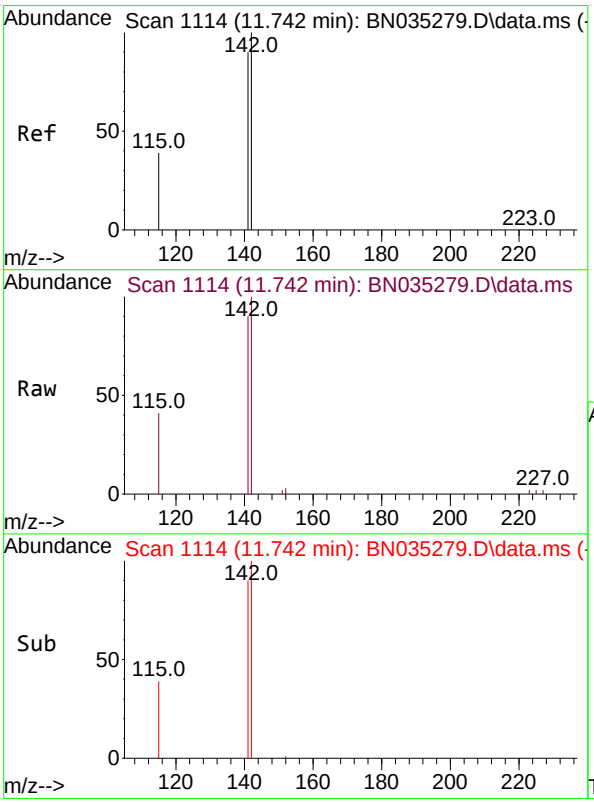
#11
2-Methylnaphthalene-d10
Concen: 0.303 ng
RT: 11.667 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 2873

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.2	25.8

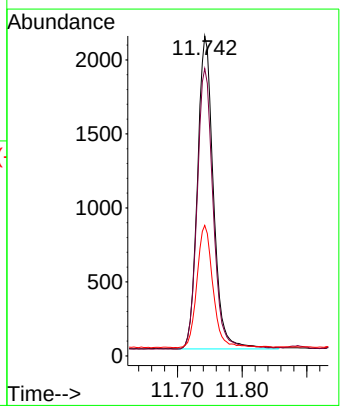


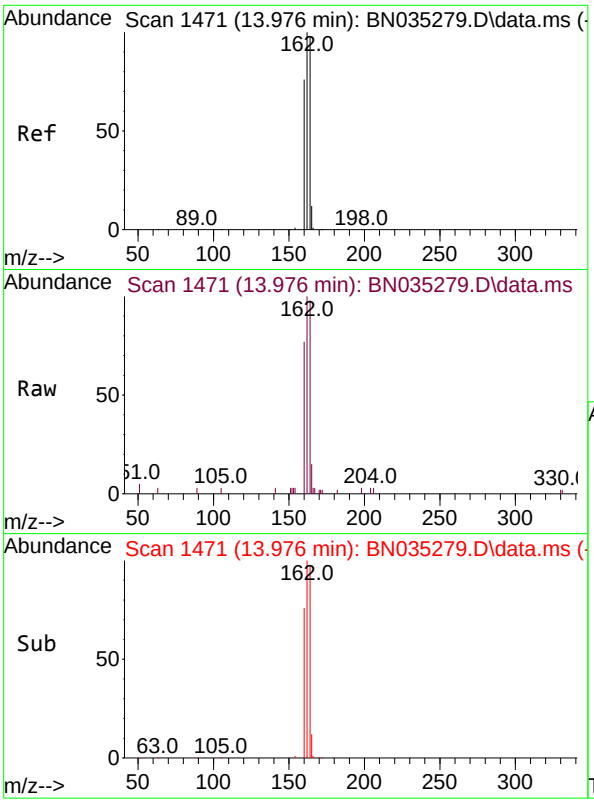


#12
2-Methylnaphthalene
Concen: 0.353 ng
RT: 11.742 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:142 Resp: 3623

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.8	107.8
115	40.8	32.6	49.0



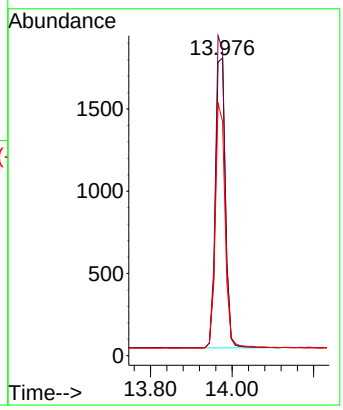


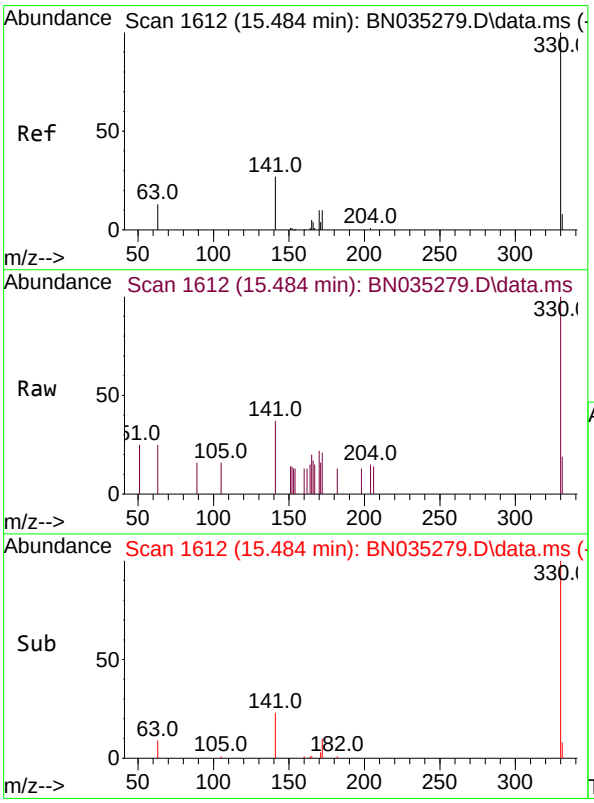
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 2947

Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.0	123.0
160	78.7	63.0	94.4

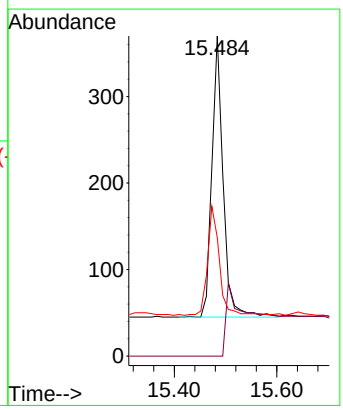


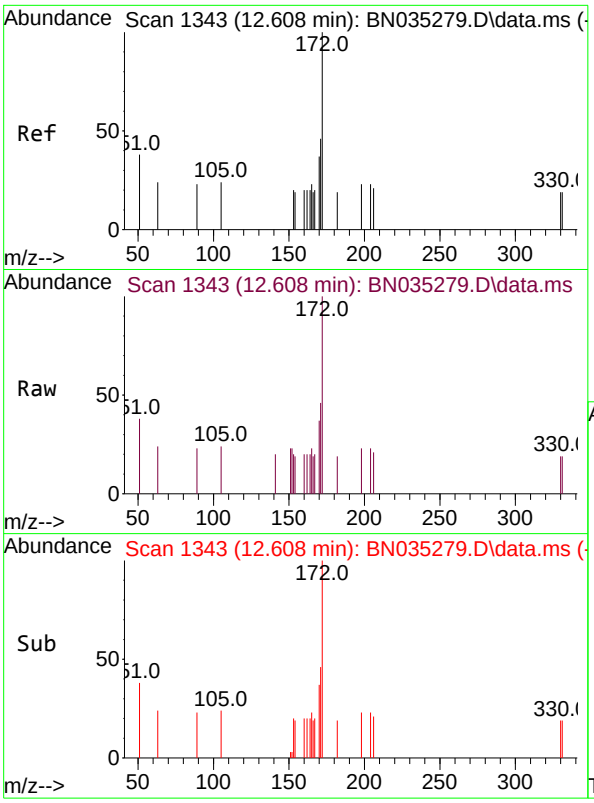


#14
2,4,6-Tribromophenol
Concen: 0.250 ng
RT: 15.484 min Scan# 1612
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:330 Resp: 531

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.5	32.4	48.6



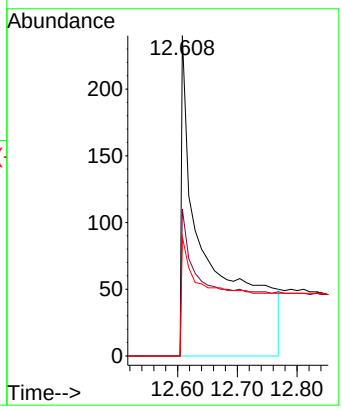


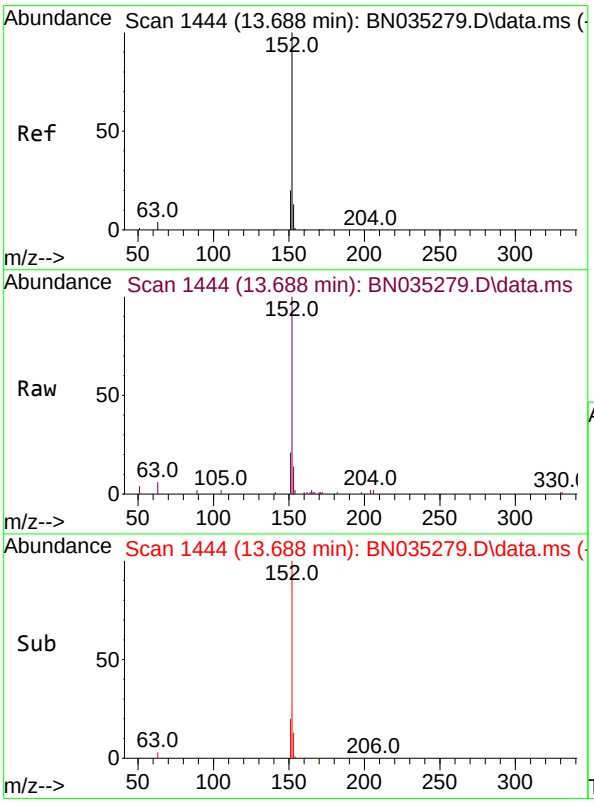
#15
2-Fluorobiphenyl
Concen: 0.060 ng
RT: 12.608 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 721

Ion	Ratio	Lower	Upper
172	100		
171	45.8	36.6	55.0
170	37.1	29.7	44.5

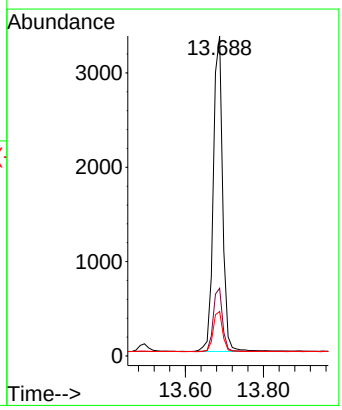


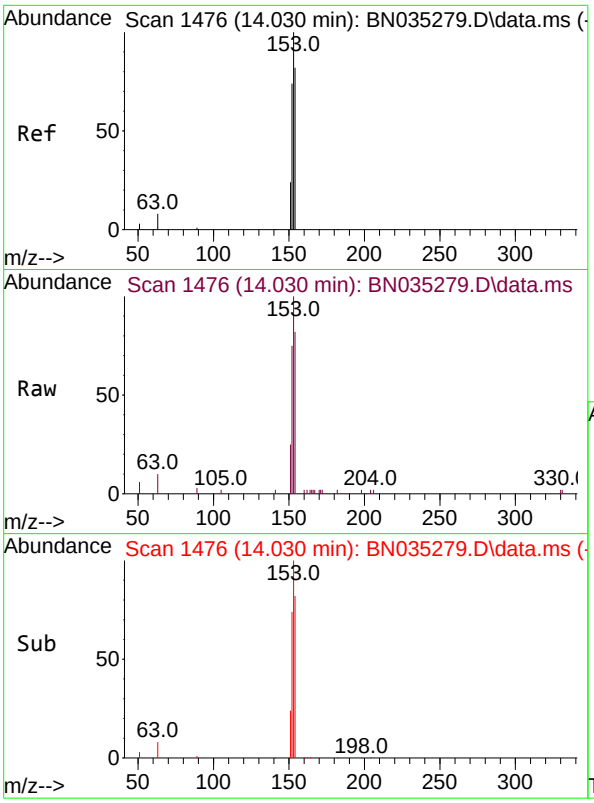


#16
Acenaphthylene
Concen: 0.441 ng
RT: 13.688 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:152 Resp: 5556

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	12.8	10.2	15.4



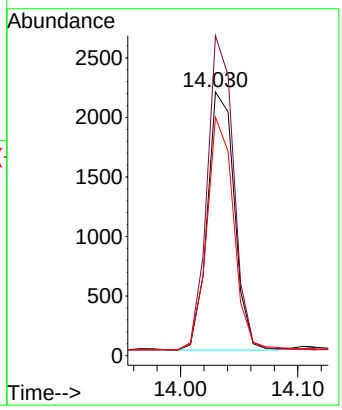


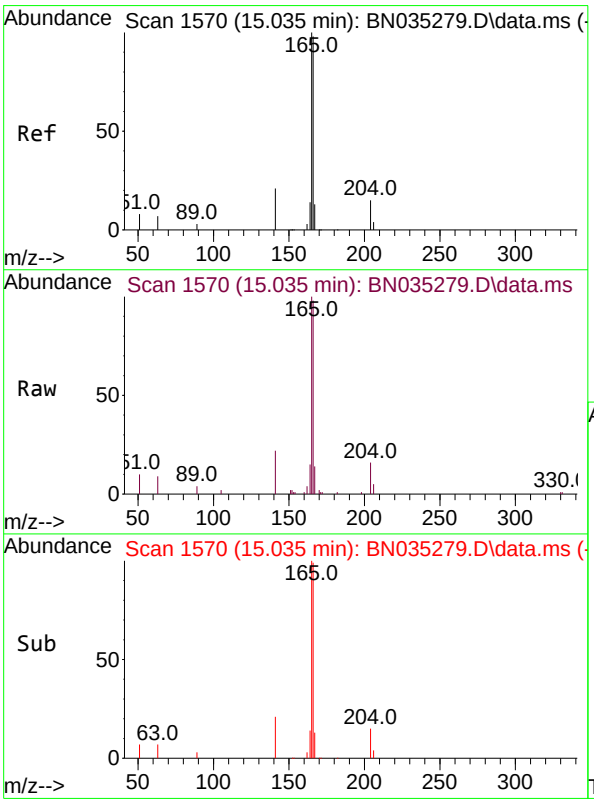
#17
Acenaphthene
Concen: 0.420 ng
RT: 14.030 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 3465

Ion	Ratio	Lower	Upper
154	100		
153	120.1	96.1	144.1
152	90.2	72.2	108.4

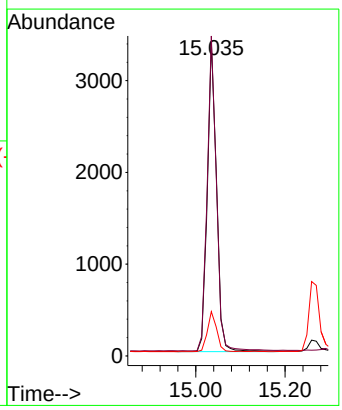


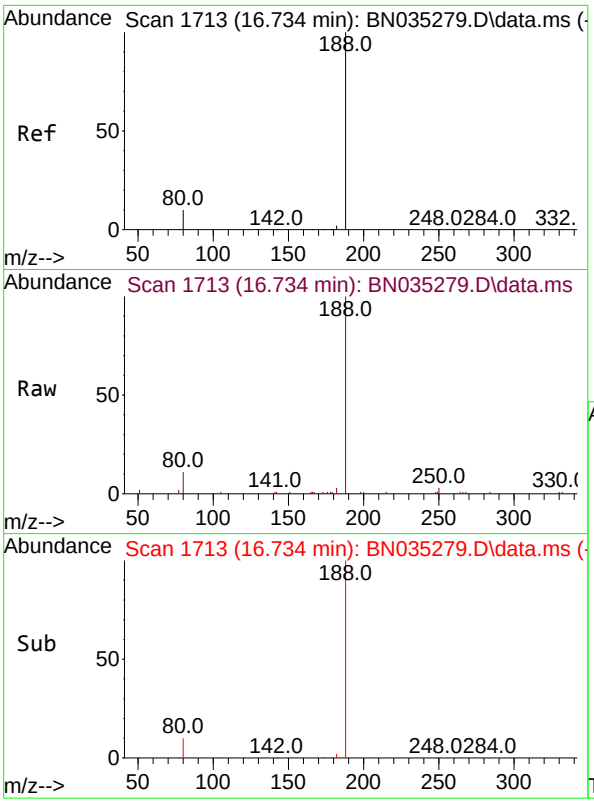


#18
Fluorene
Concen: 0.397 ng
RT: 15.035 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:166 Resp: 4816

Ion	Ratio	Lower	Upper
166	100		
165	101.5	81.2	121.8
167	13.1	10.5	15.7



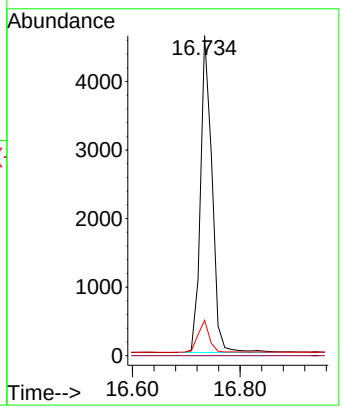


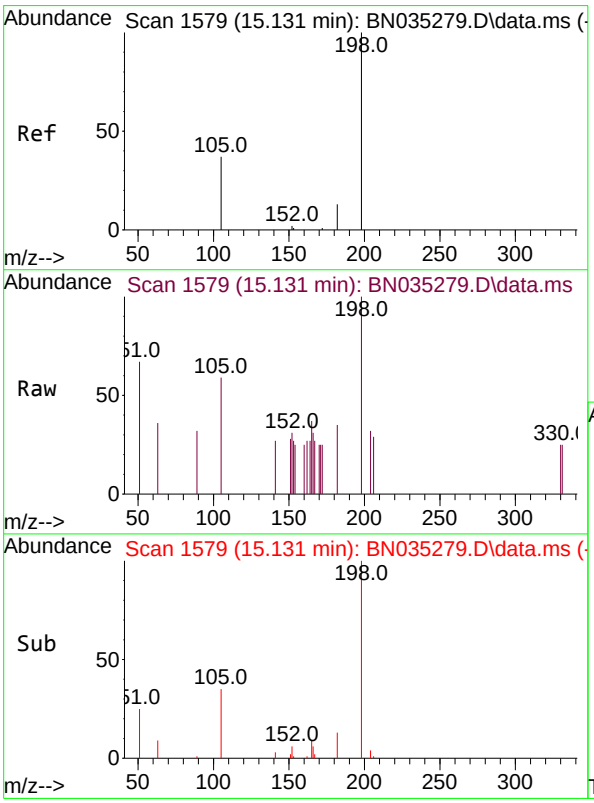
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 6895

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.1	8.9	13.3

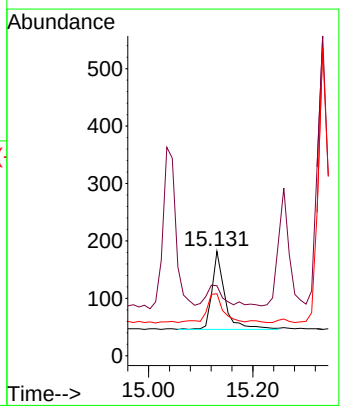


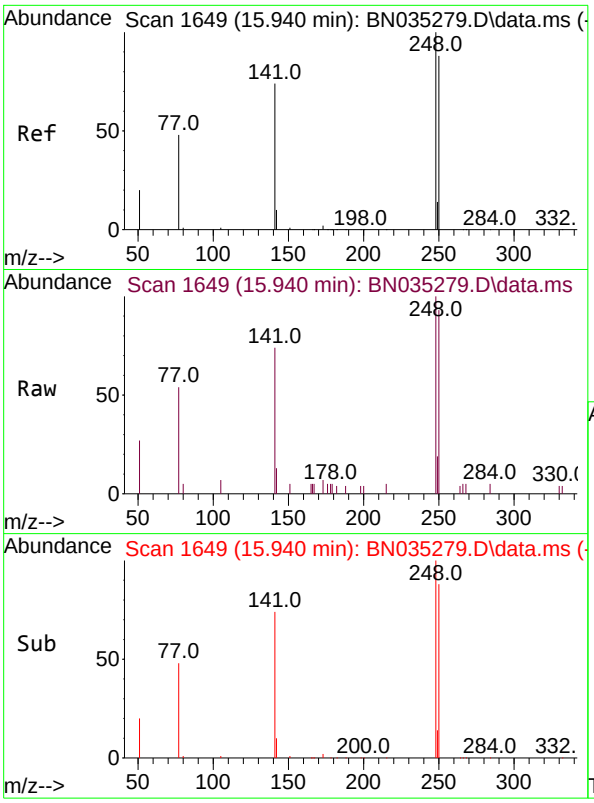


#20
4,6-Dinitro-2-methylphenol
Concen: 0.162 ng
RT: 15.131 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:198 Resp: 233

Ion	Ratio	Lower	Upper
198	100		
51	67.0	53.6	80.4
105	59.3	47.4	71.2



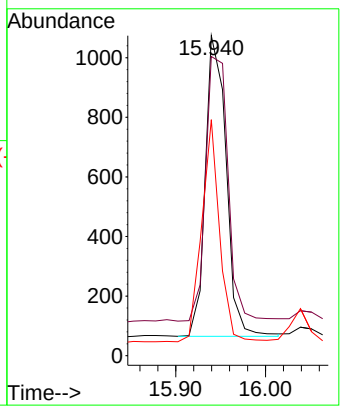


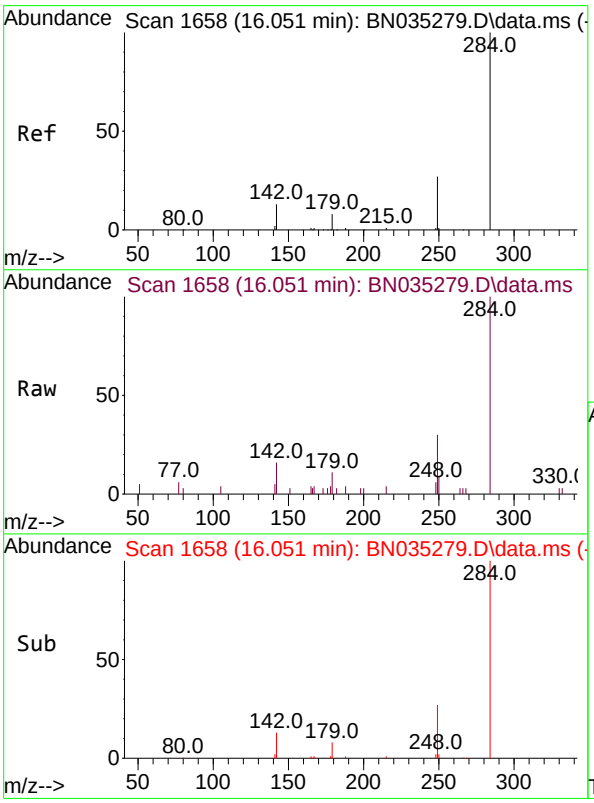
#21
4-Bromophenyl-phenylether
Concen: 0.369 ng
RT: 15.940 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:248 Resp: 1623

Ion	Ratio	Lower	Upper
248	100		
250	93.5	74.8	112.2
141	73.7	59.0	88.4

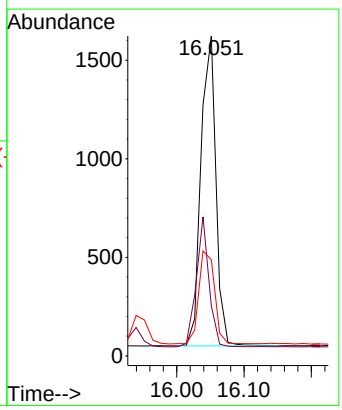


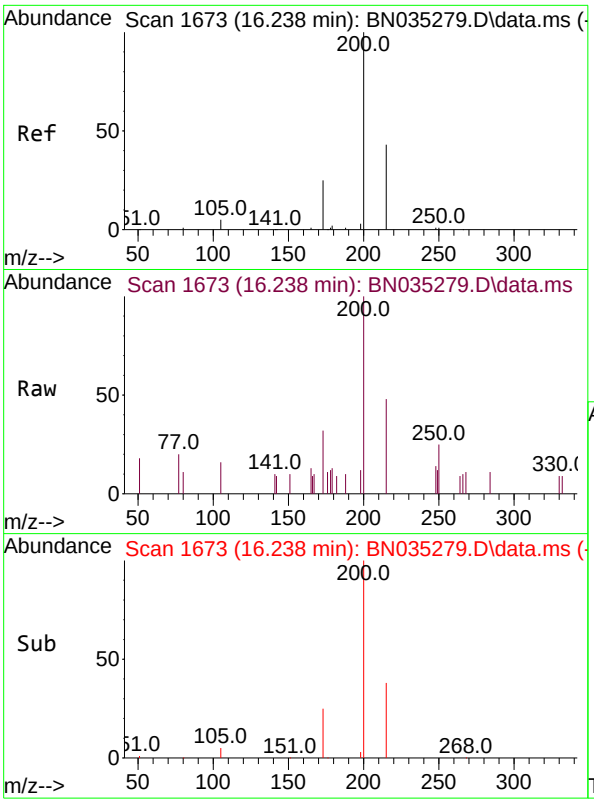


#22
Hexachlorobenzene
Concen: 0.533 ng
RT: 16.051 min Scan# 1658
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:284 Resp: 2429

Ion	Ratio	Lower	Upper
284	100		
142	35.9	28.7	43.1
249	31.7	25.4	38.0



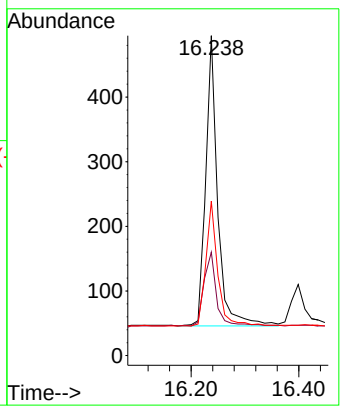


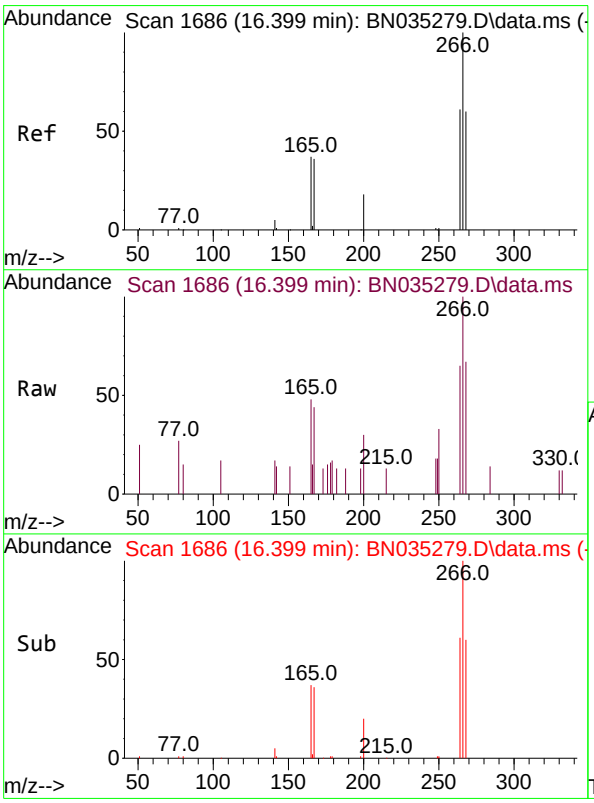
#23
Atrazine
Concen: 0.175 ng
RT: 16.238 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:200 Resp: 689

Ion	Ratio	Lower	Upper
200	100		
173	32.3	25.8	38.8
215	48.3	38.6	58.0

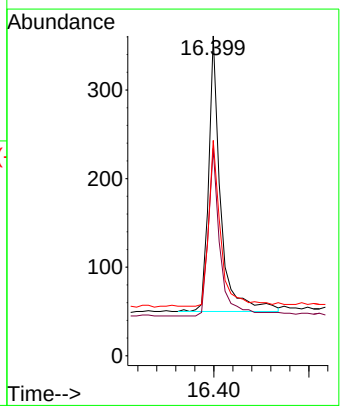


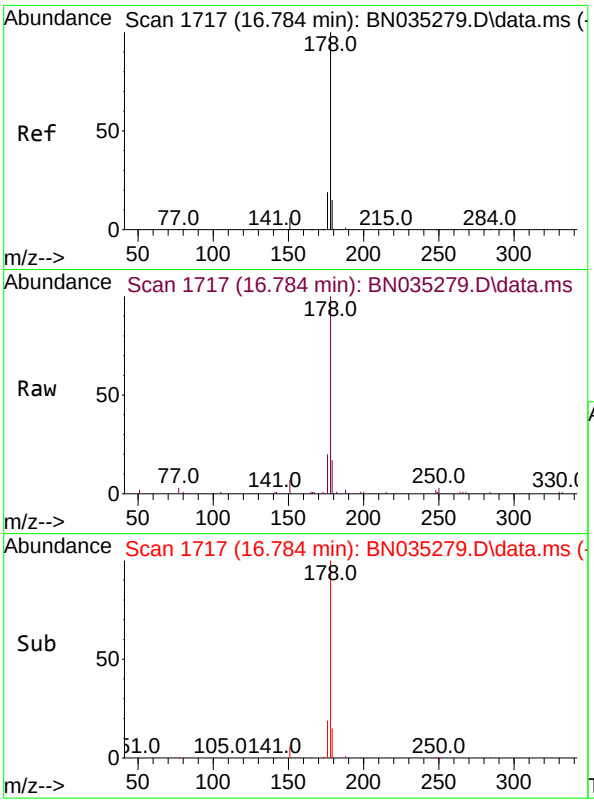


#24
Pentachlorophenol
Concen: 0.255 ng
RT: 16.399 min Scan# 1686
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:266 Resp: 544

Ion	Ratio	Lower	Upper
266	100		
264	61.6	49.3	73.9
268	60.8	48.6	73.0



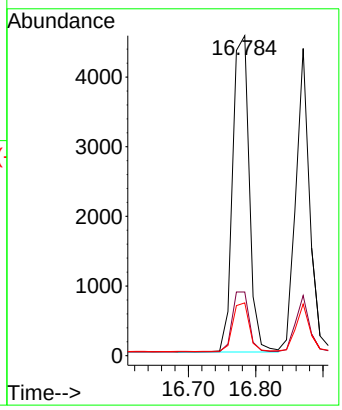


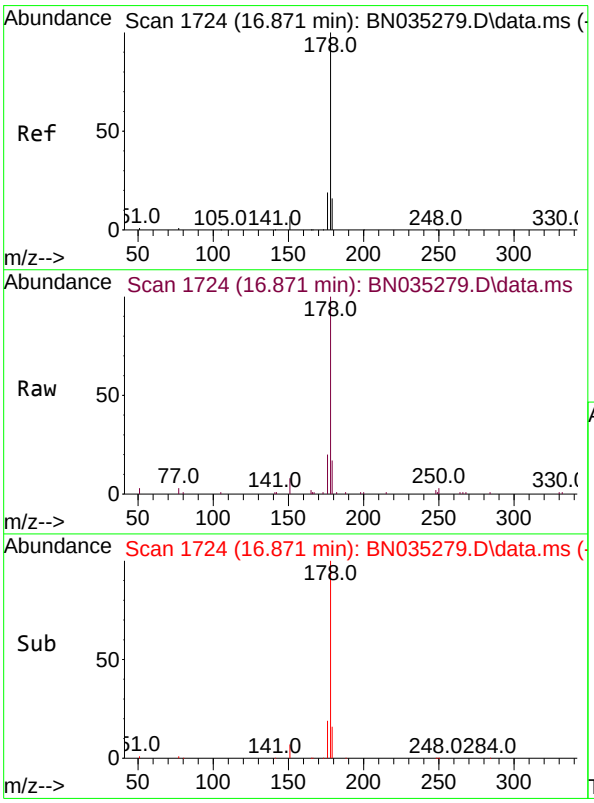
#25
Phenanthrene
Concen: 0.430 ng
RT: 16.784 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 7798

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.7	12.6	18.8

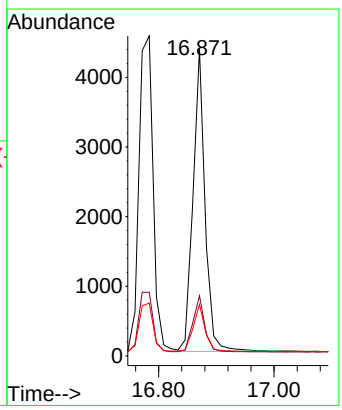


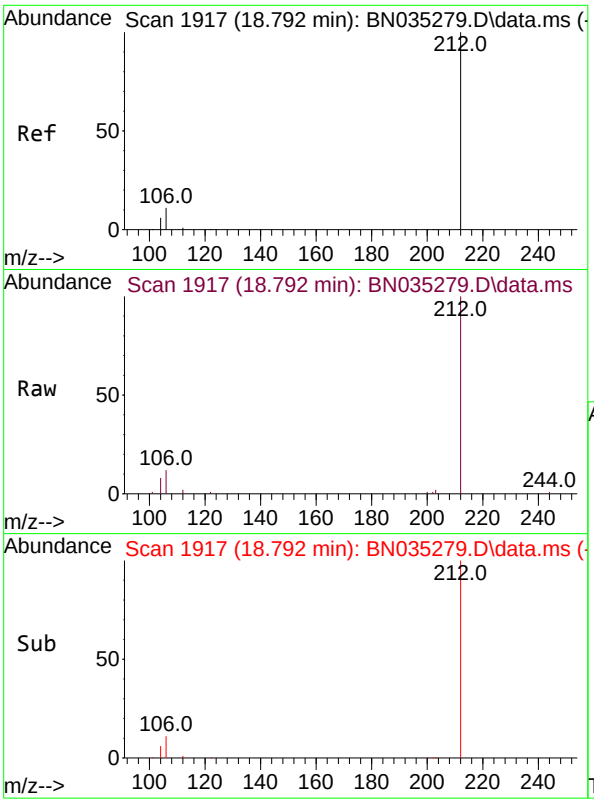


#26
Anthracene
Concen: 0.377 ng
RT: 16.871 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:178 Resp: 6280

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.5	12.4	18.6



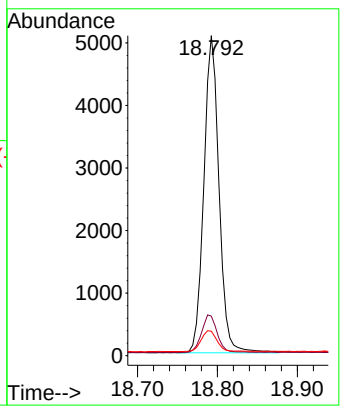


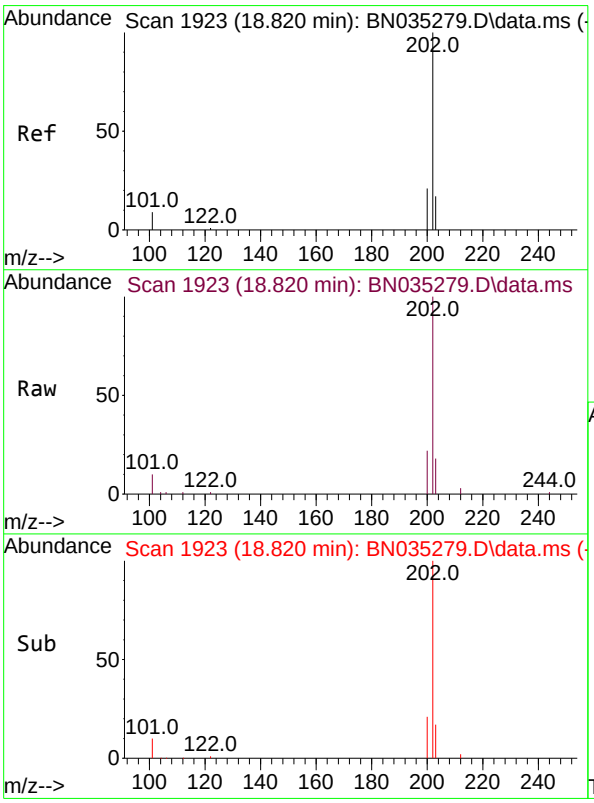
#27
Fluoranthene-d10
Concen: 0.316 ng
RT: 18.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 6669

Ion	Ratio	Lower	Upper
212	100		
106	12.3	9.8	14.8
104	7.0	5.6	8.4

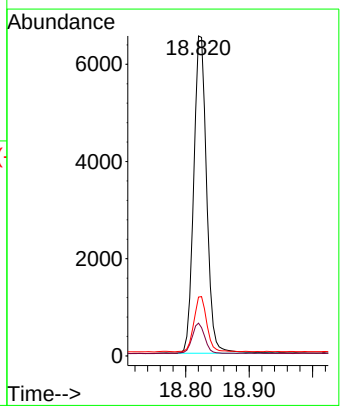


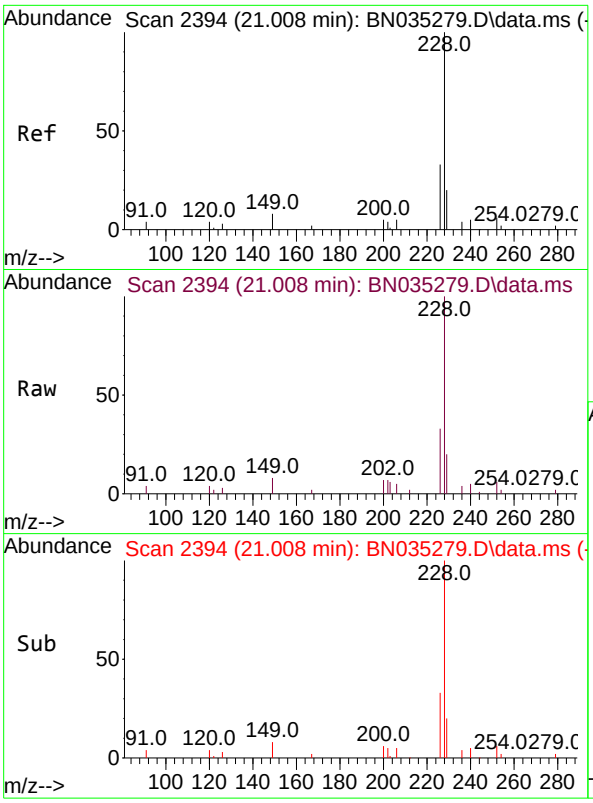


#28
Fluoranthene
Concen: 0.370 ng
RT: 18.820 min Scan# 1923
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:202 Resp: 9240

Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.6	11.4
203	17.3	13.8	20.8



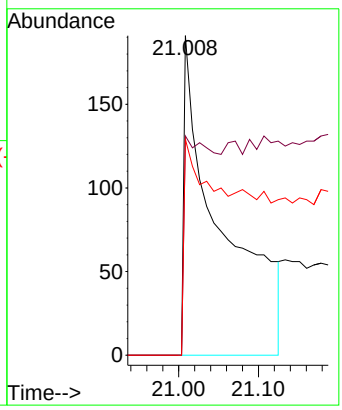


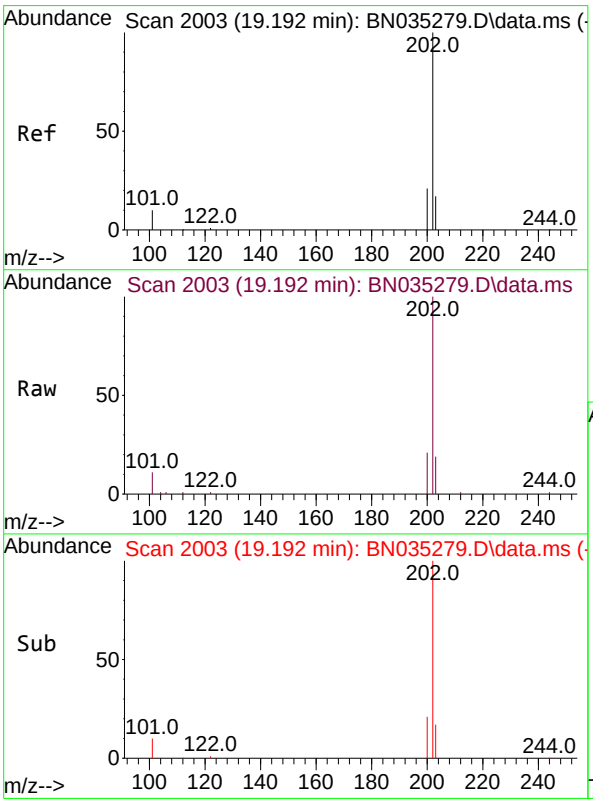
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 586

Ion	Ratio	Lower	Upper
240	100		
120	68.6	54.9	82.3
236	67.5	54.0	81.0

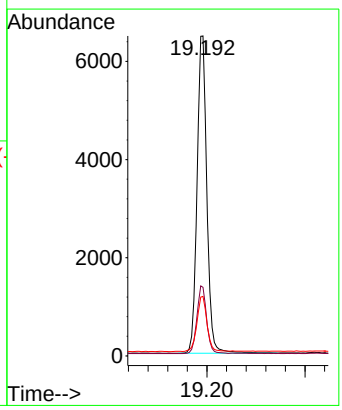


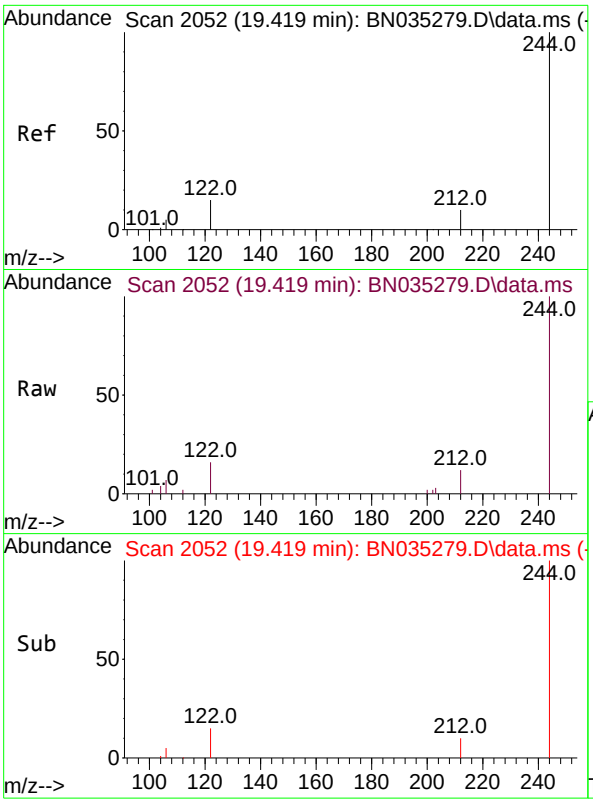


#30
Pyrene
Concen: 4.590 ng
RT: 19.192 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:202 Resp: 8957

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	18.0	14.4	21.6



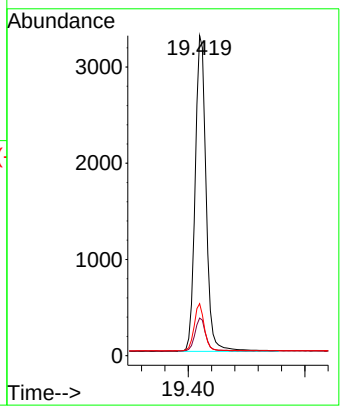


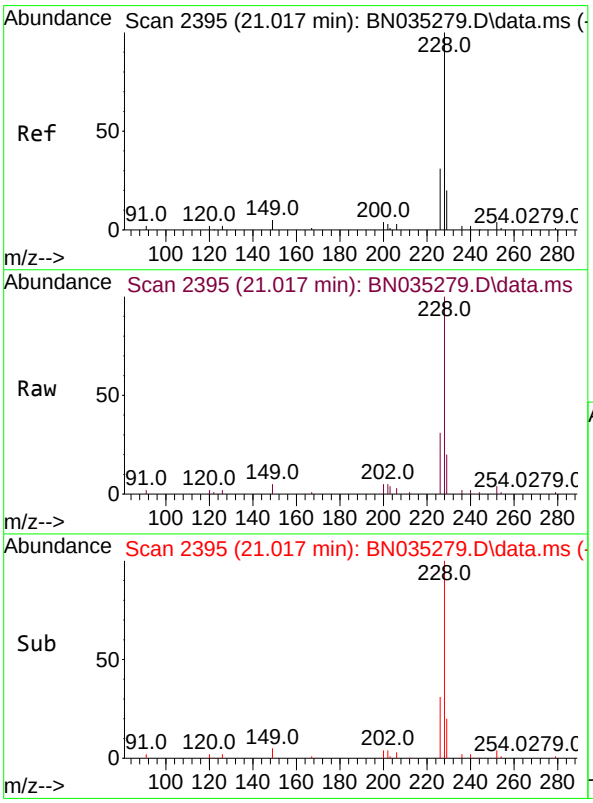
#31
Terphenyl-d14
Concen: 3.460 ng
RT: 19.419 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 4254

Ion	Ratio	Lower	Upper
244	100		
212	11.7	9.4	14.0
122	16.2	13.0	19.4

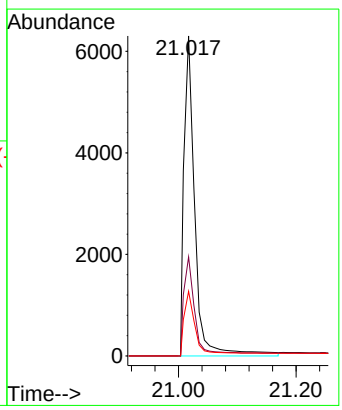


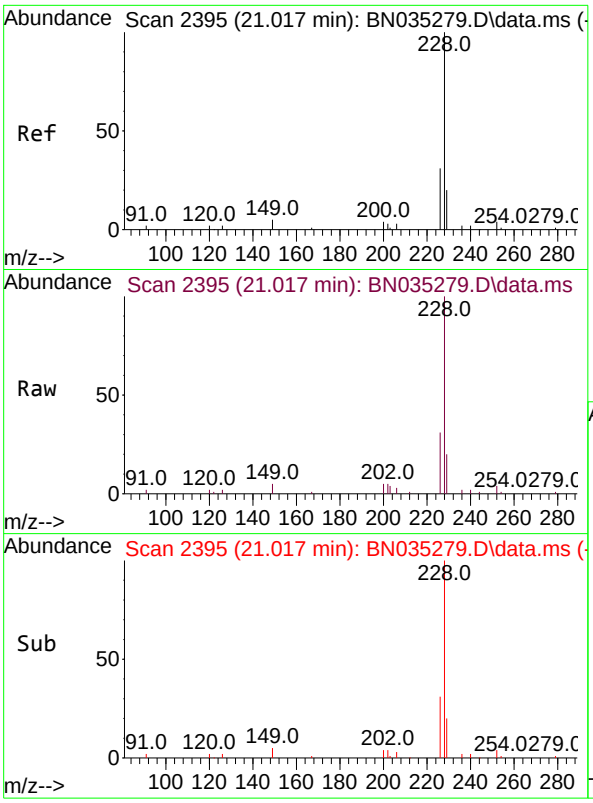


#32
Benzo(a)anthracene
Concen: 3.970 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:228 Resp: 8100

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.7	37.1
229	20.2	16.2	24.2



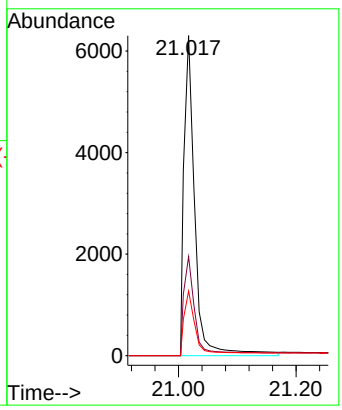


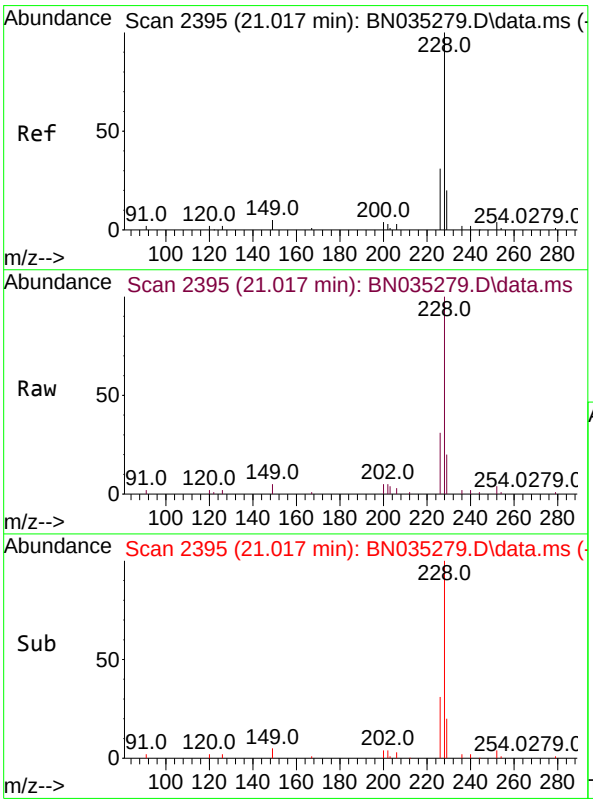
#33
Chrysene
Concen: 4.007 ng
RT: 21.017 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 8100

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.7	37.1
229	20.2	16.2	24.2

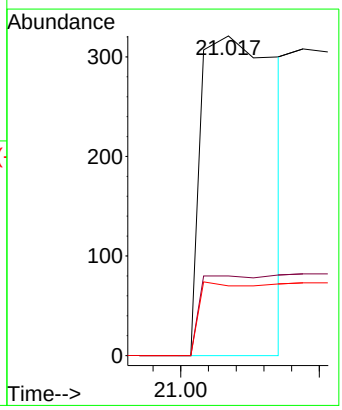


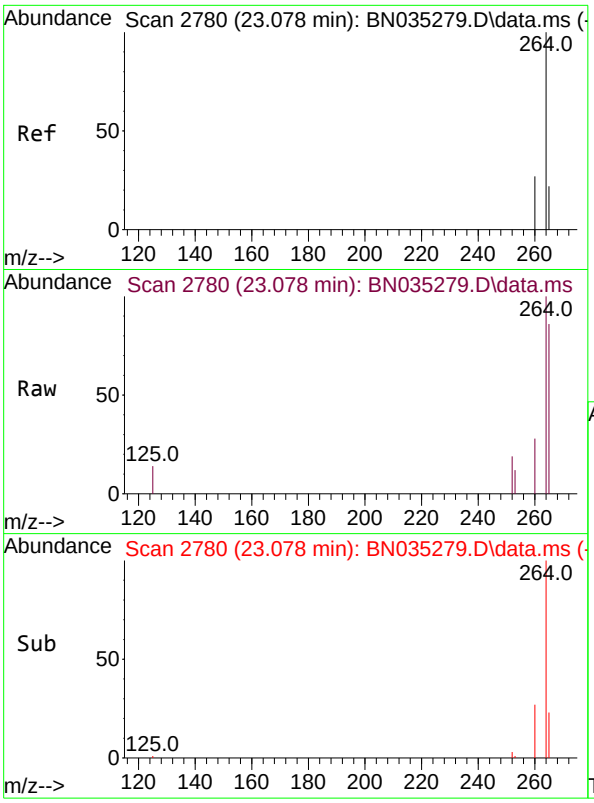


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.498 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:149 Resp: 533

Ion	Ratio	Lower	Upper
149	100		
167	0.0	0.0	0.0
279	16.3	13.0	19.6



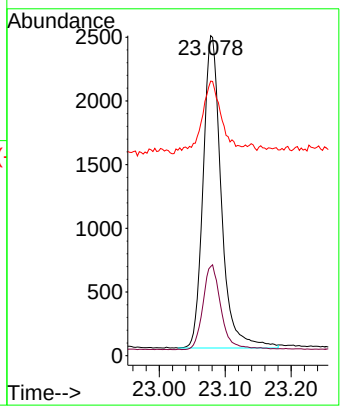


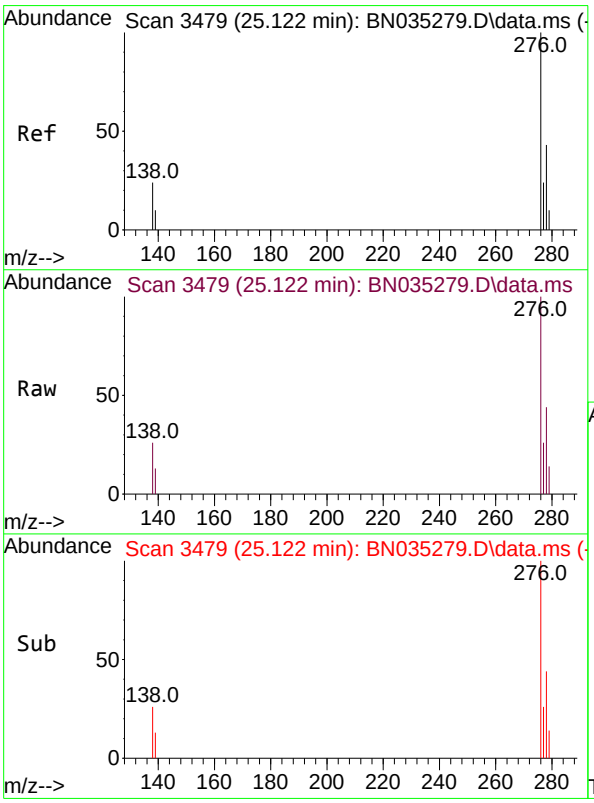
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.078 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:264 Resp: 4692

Ion	Ratio	Lower	Upper
264	100		
260	27.9	22.3	33.5
265	85.8	68.6	103.0

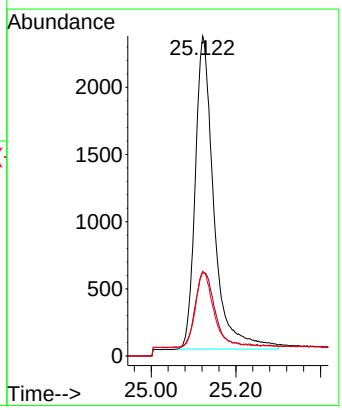


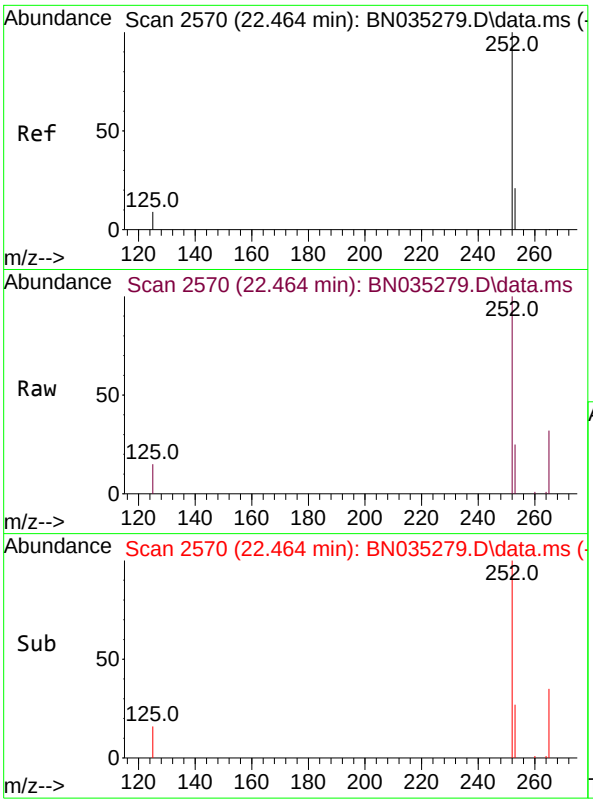


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.382 ng
RT: 25.122 min Scan# 3479
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:276 Resp: 7146

Ion	Ratio	Lower	Upper
276	100		
138	23.5	18.8	28.2
277	22.8	18.2	27.4



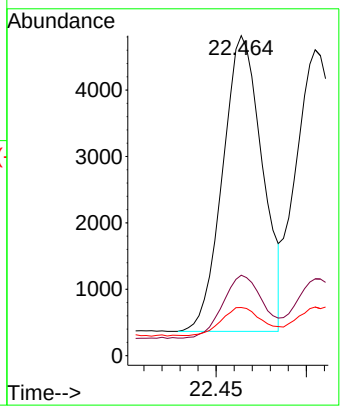


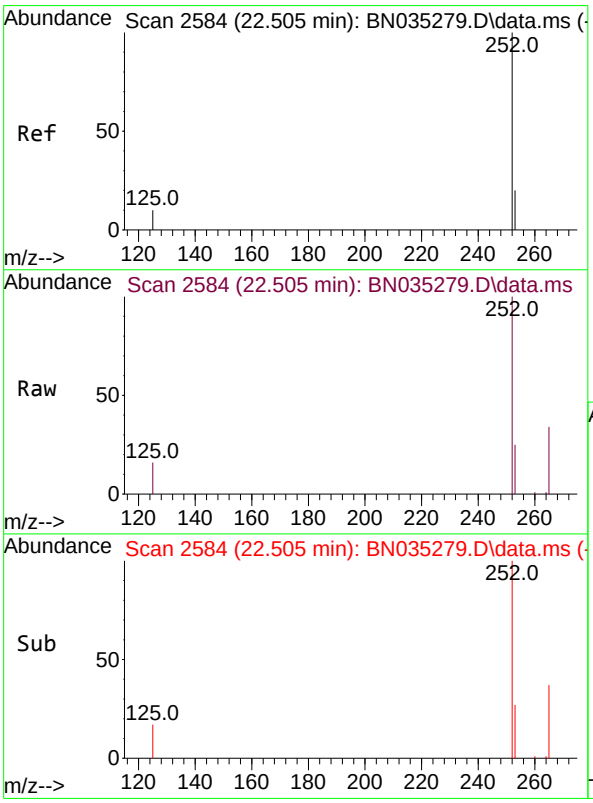
#37
Benzo(b)fluoranthene
Concen: 0.432 ng
RT: 22.464 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 6813

Ion	Ratio	Lower	Upper
252	100		
253	25.2	20.2	30.2
125	15.0	12.0	18.0

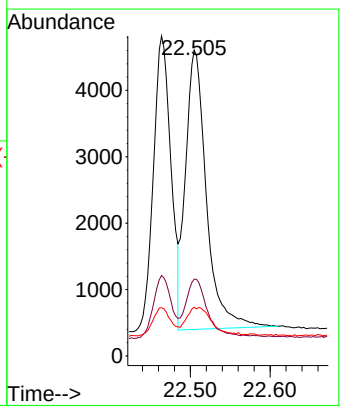


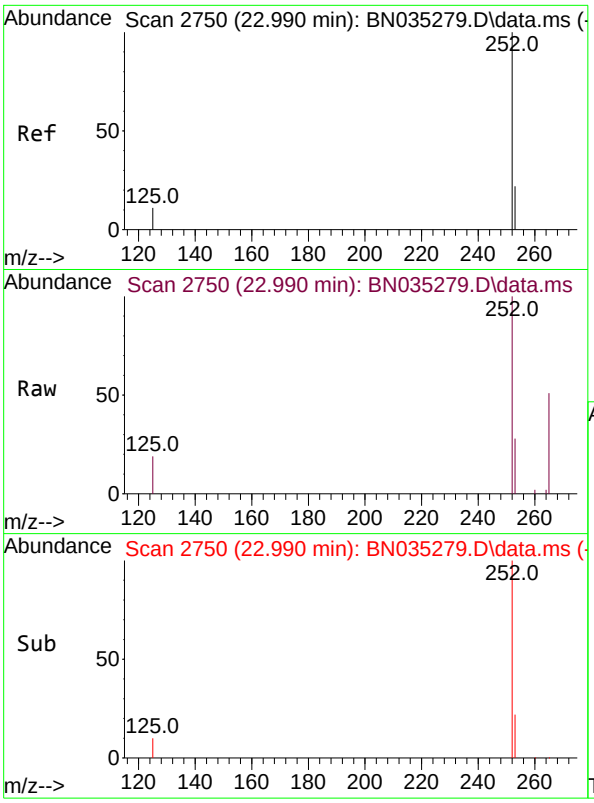


#38
Benzo(k)fluoranthene
Concen: 0.485 ng
RT: 22.505 min Scan# 2584
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:252 Resp: 7659

Ion	Ratio	Lower	Upper
252	100		
253	25.1	20.1	30.1
125	15.9	12.7	19.1



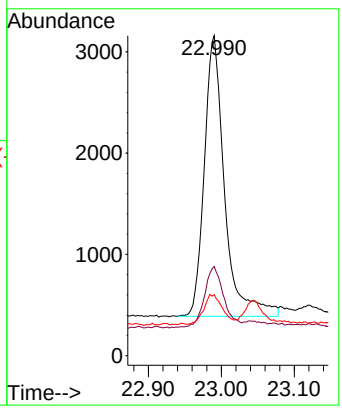


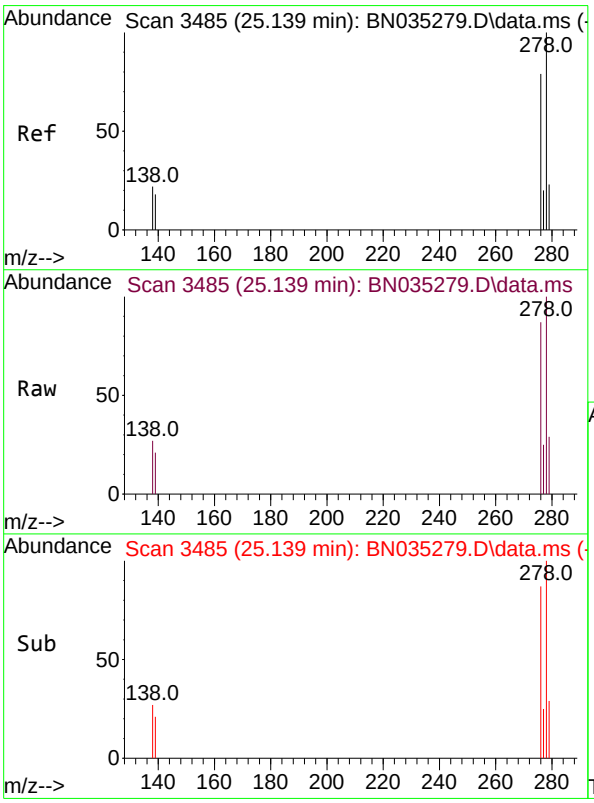
#39
Benzo(a)pyrene
Concen: 0.386 ng
RT: 22.990 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 5365

Ion	Ratio	Lower	Upper
252	100		
253	27.9	22.3	33.5
125	19.1	15.3	22.9

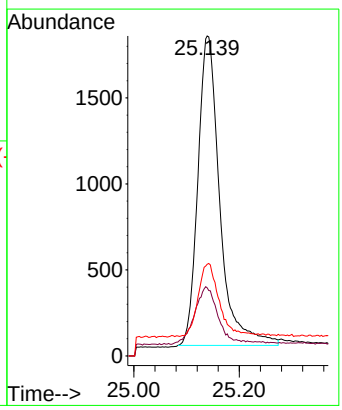


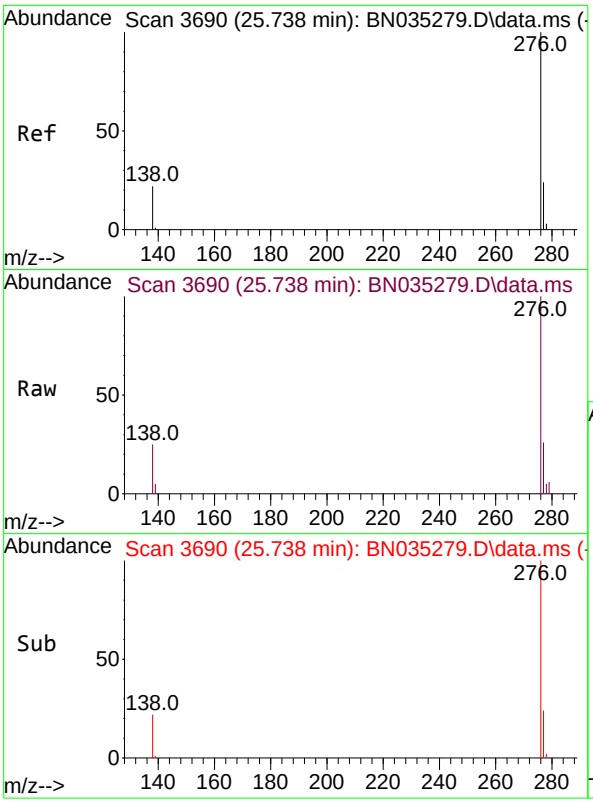


#40
Dibenzo(a,h)anthracene
Concen: 0.350 ng
RT: 25.139 min Scan# 3485
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Tgt Ion:278 Resp: 5194

Ion	Ratio	Lower	Upper
278	100		
139	21.3	17.0	25.6
279	28.7	23.0	34.4



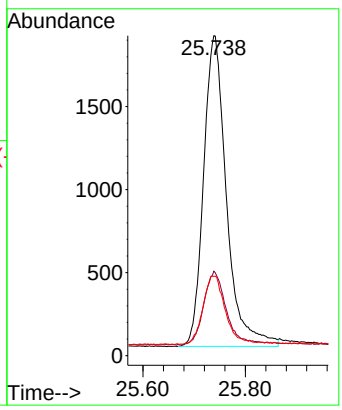


#41
Benzo(g,h,i)perylene
Concen: 0.369 ng
RT: 25.738 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN035279.D
Acq: 25 Nov 2024 11:28

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 5823

Ion	Ratio	Lower	Upper
276	100		
277	26.4	21.1	31.7
138	24.8	19.8	29.8



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035280.D
Acq On : 25 Nov 2024 12:04
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Nov 25 14:19:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:16:35 2024
Response via : Initial Calibration

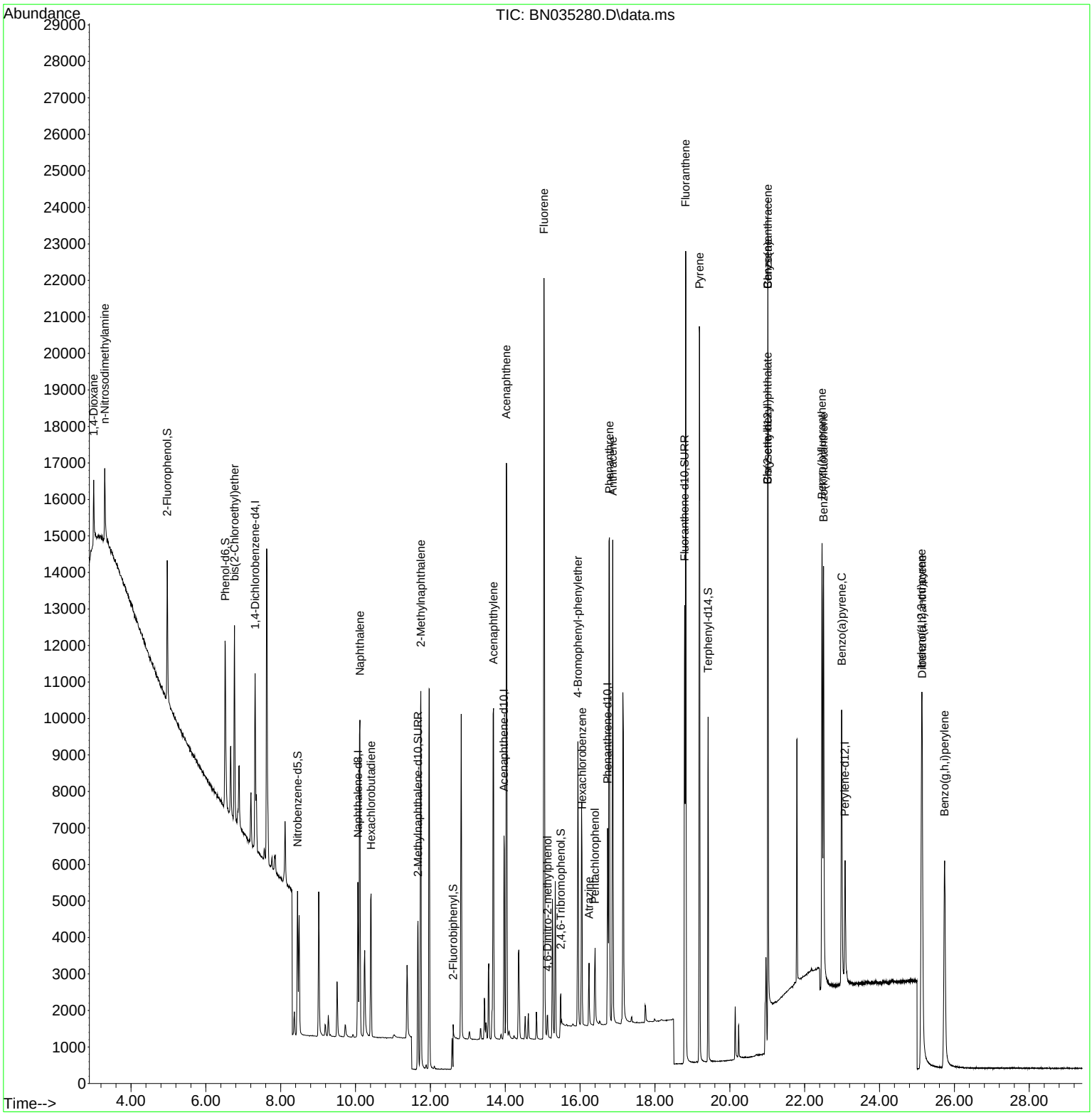
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.315	152	2258	0.400	ng		0.00
7) Naphthalene-d8	10.063	136	5425	0.400	ng		0.00
13) Acenaphthene-d10	13.966	164	2924	0.400	ng		-0.01
19) Phenanthrene-d10	16.734	188	6884	0.400	ng		0.00
29) Chrysene-d12	21.008	240	725	0.400	ng		0.00
35) Perylene-d12	23.078	264	4193	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.968	112	3276	0.572	ng		0.00
5) Phenol-d6	6.520	99	4617	0.642	ng		0.00
8) Nitrobenzene-d5	8.450	82	3545	0.751	ng		0.00
11) 2-Methylnaphthalene-d10	11.666	152	5717	0.591	ng		0.00
14) 2,4,6-Tribromophenol	15.484	330	1086	0.515	ng		0.00
15) 2-Fluorobiphenyl	12.608	172	691	0.058	ng		0.00
27) Fluoranthene-d10	18.792	212	13734	0.651	ng		0.00
31) Terphenyl-d14	19.419	244	8811	5.792	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.003	88	1187	0.579	ng	#	83
3) n-Nitrosodimethylamine	3.299	42	1383	0.724	ng	#	78
6) bis(2-Chloroethyl)ether	6.766	93	4007	0.743	ng		99
9) Naphthalene	10.116	128	11664	0.824	ng		98
10) Hexachlorobutadiene	10.415	225	3379	0.814	ng	#	100
12) 2-Methylnaphthalene	11.742	142	7328	0.701	ng		99
16) Acenaphthylene	13.688	152	11221	0.898	ng		99
17) Acenaphthene	14.030	154	6985	0.853	ng		99
18) Fluorene	15.035	166	9874	0.820	ng		100
20) 4,6-Dinitro-2-methylph...	15.131	198	542	0.378	ng	#	71
21) 4-Bromophenyl-phenylether	15.939	248	3203	0.730	ng		98
22) Hexachlorobenzene	16.051	284	5001	1.099	ng		99
23) Atrazine	16.237	200	1376	0.350	ng		95
24) Pentachlorophenol	16.399	266	1125	0.529	ng		96
25) Phenanthrene	16.783	178	16001	0.883	ng		99
26) Anthracene	16.870	178	13123	0.789	ng		99
28) Fluoranthene	18.820	202	20007	0.803	ng		100
30) Pyrene	19.192	202	18434	7.635	ng		99
32) Benzo(a)anthracene	21.017	228	16677	6.606	ng		99
33) Chrysene	21.017	228	16677	6.669	ng		99
34) Bis(2-ethylhexyl)phtha...	21.008	149	733	0.553	ng	#	62
36) Indeno(1,2,3-cd)pyrene	25.124	276	13203	0.789	ng		99
37) Benzo(b)fluoranthene	22.464	252	14372	1.019	ng		95
38) Benzo(k)fluoranthene	22.505	252	15061	1.067	ng	#	95
39) Benzo(a)pyrene	22.987	252	10876	0.876	ng	#	92
40) Dibenzo(a,h)anthracene	25.139	278	10078	0.760	ng		94
41) Benzo(g,h,i)perylene	25.738	276	11838	0.840	ng		97

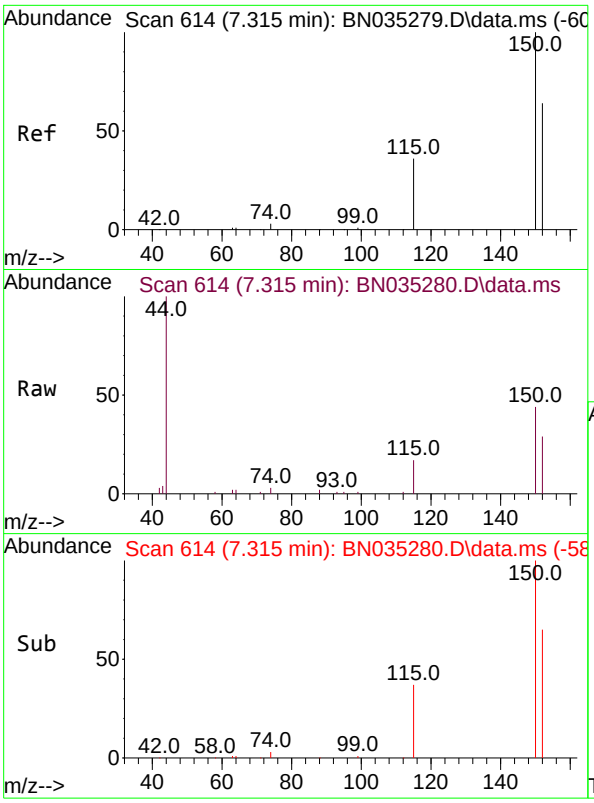
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035280.D
Acq On : 25 Nov 2024 12:04
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Nov 25 14:19:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:16:35 2024
Response via : Initial Calibration



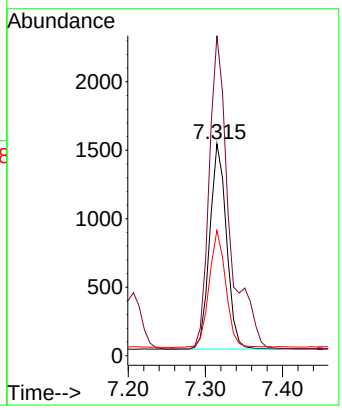


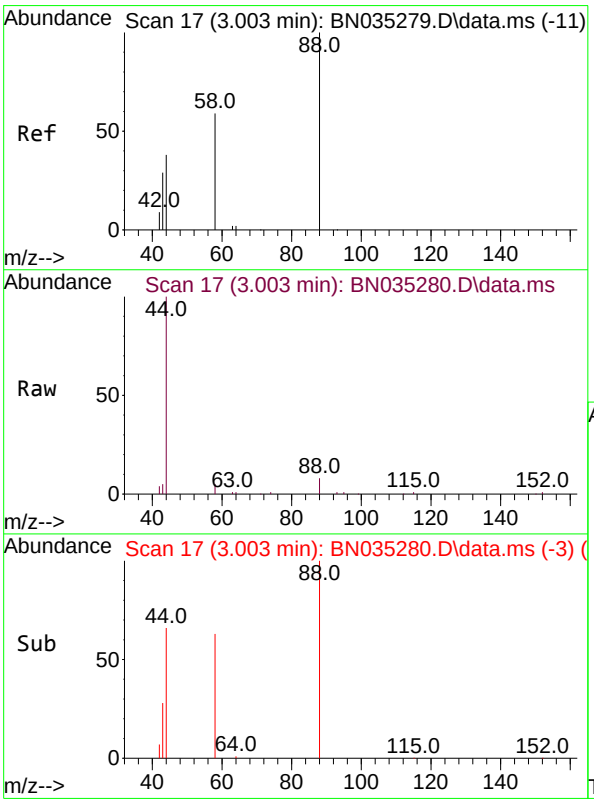
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 2258

Ion	Ratio	Lower	Upper
152	100		
150	151.1	124.5	186.7
115	59.1	47.8	71.8

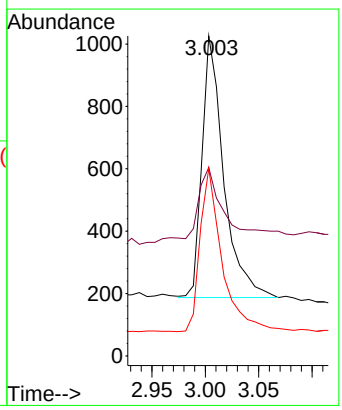


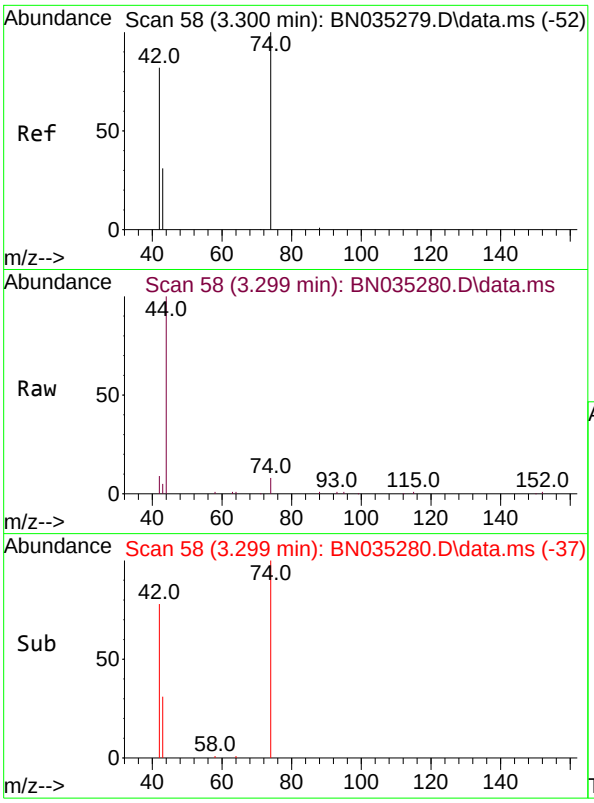


#2
1,4-Dioxane
Concen: 0.579 ng
RT: 3.003 min Scan# 17
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion: 88 Resp: 1187

Ion	Ratio	Lower	Upper
88	100		
43	39.6	48.1	72.1#
58	63.3	46.9	70.3



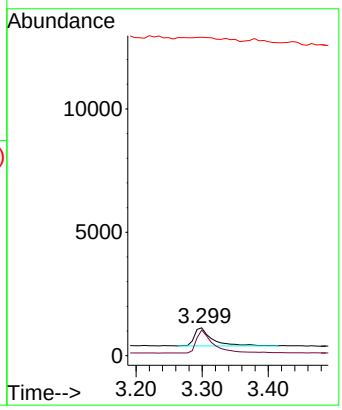


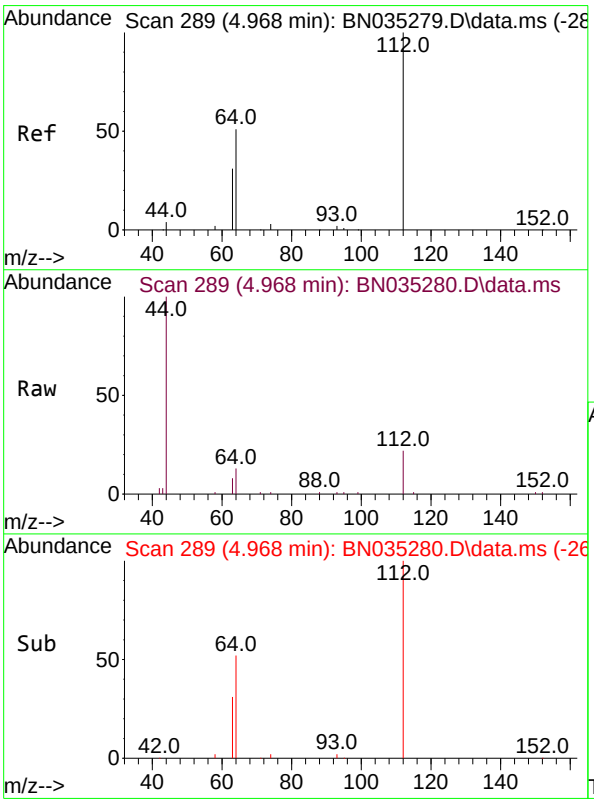
#3
n-Nitrosodimethylamine
Concen: 0.724 ng
RT: 3.299 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 42 Resp: 1383

Ion	Ratio	Lower	Upper
42	100		
74	120.0	102.7	154.1
44	0.0	34.1	51.1#

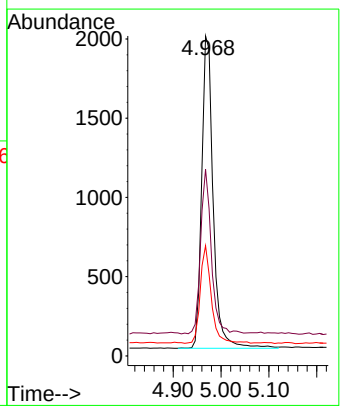


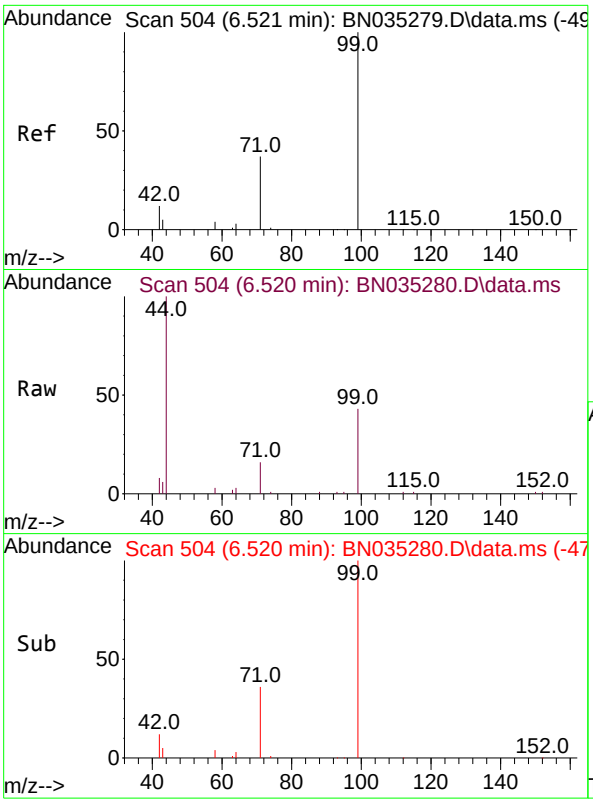


#4
2-Fluorophenol
Concen: 0.572 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:112 Resp: 3276

Ion	Ratio	Lower	Upper
112	100		
64	49.6	40.4	60.6
63	30.1	23.8	35.8



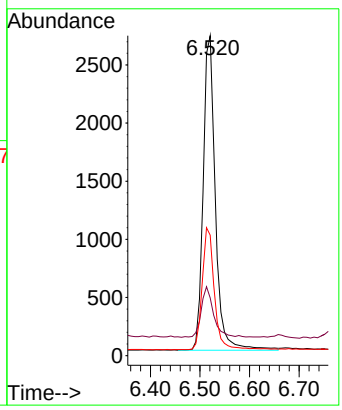


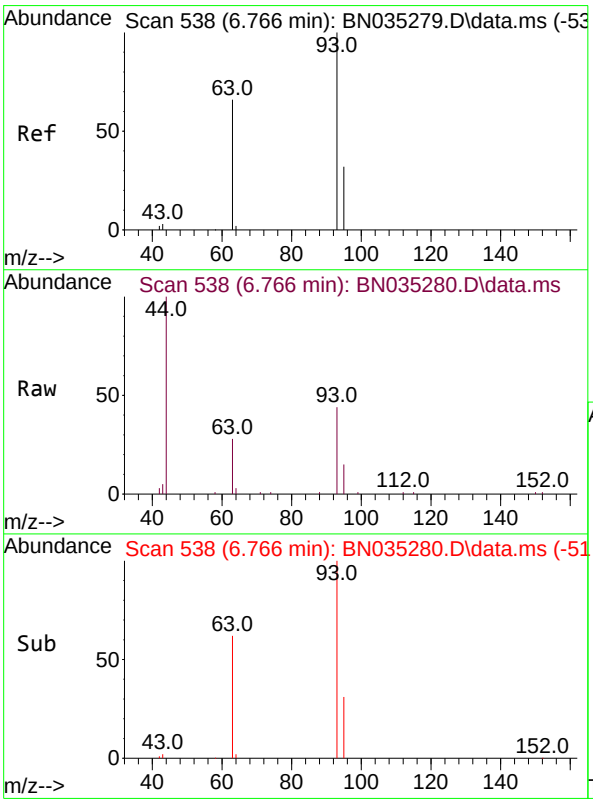
#5
Phenol-d6
Concen: 0.642 ng
RT: 6.520 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion: 99 Resp: 4617

Ion	Ratio	Lower	Upper
99	100		
42	16.7	12.8	19.2
71	38.6	31.4	47.2

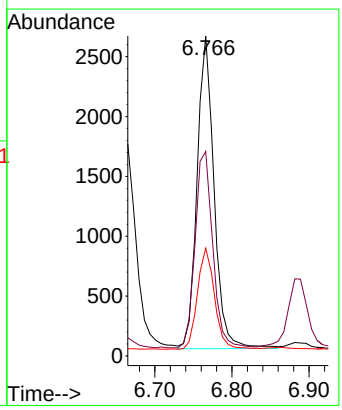


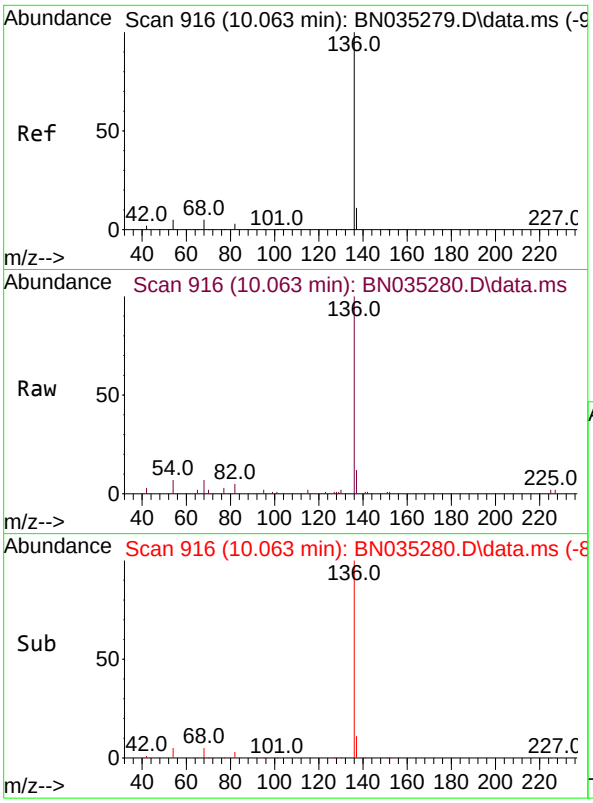


#6
bis(2-Chloroethyl)ether
Concen: 0.743 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion: 93 Resp: 4007

Ion	Ratio	Lower	Upper
93	100		
63	65.0	52.3	78.5
95	32.3	25.5	38.3



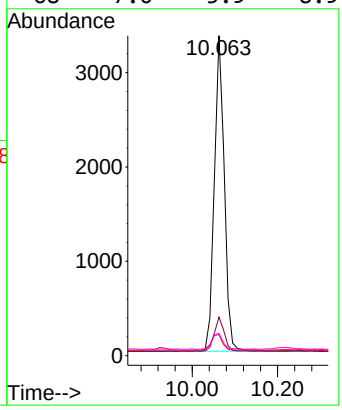


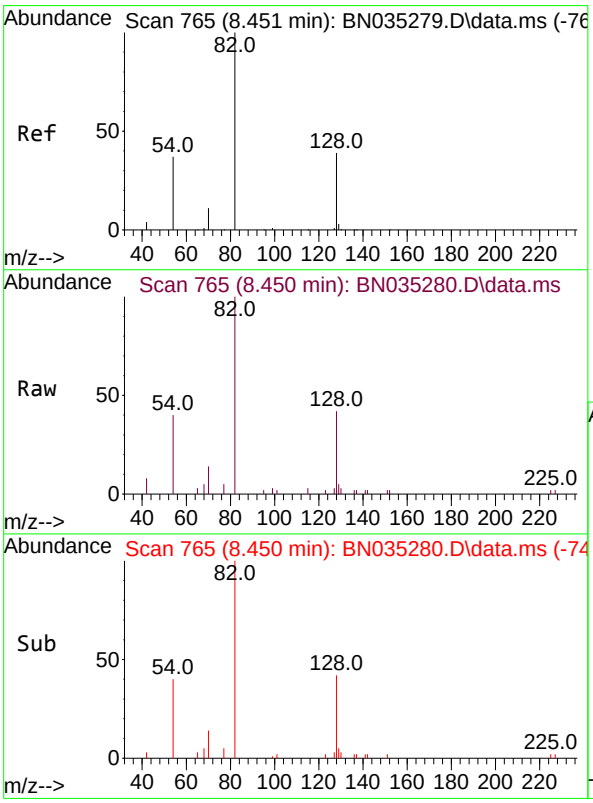
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:136 Resp: 5425

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	6.5	5.3	7.9
68	7.0	5.9	8.9

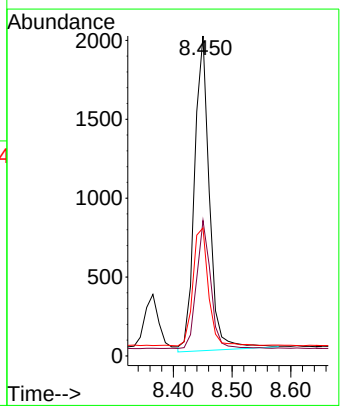


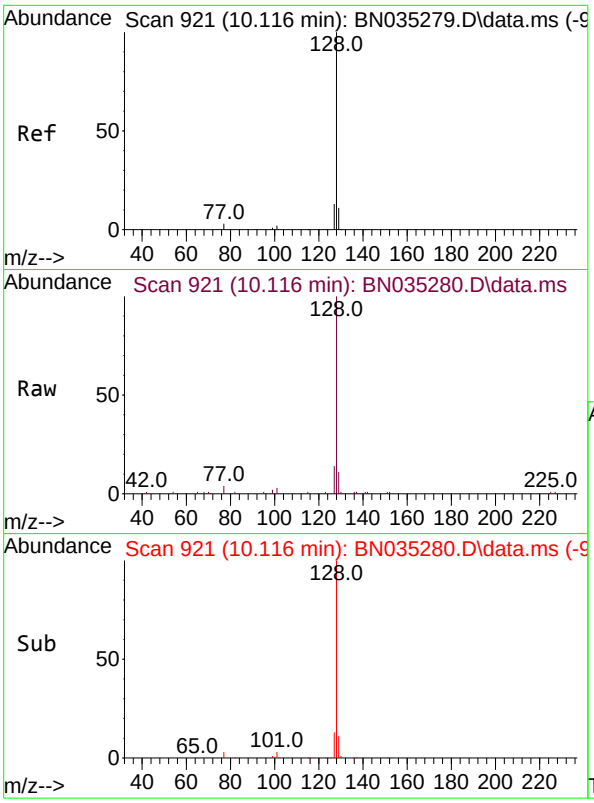


#8
Nitrobenzene-d5
Concen: 0.751 ng
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion: 82 Resp: 3545

Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.0	49.4
54	40.0	33.3	49.9



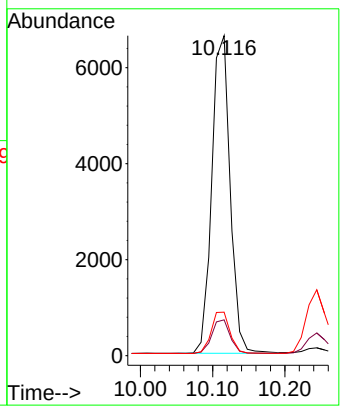


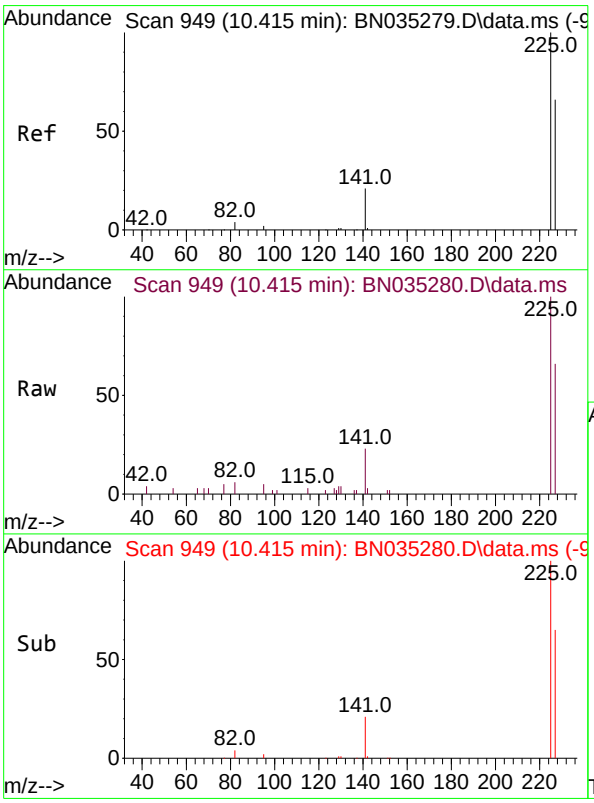
#9
Naphthalene
Concen: 0.824 ng
RT: 10.116 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 11664

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.6	14.4
127	13.6	11.3	16.9

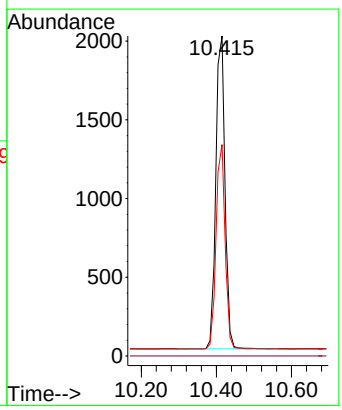


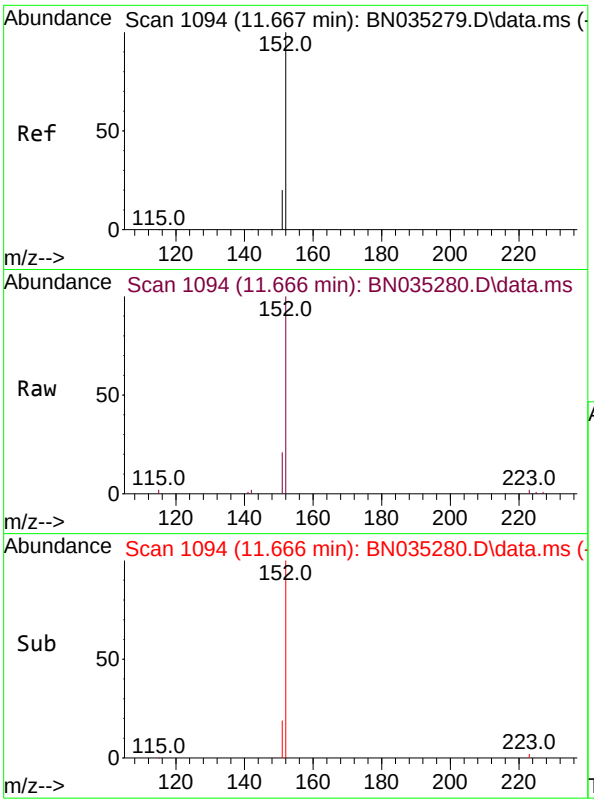


#10
Hexachlorobutadiene
Concen: 0.814 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:225 Resp: 3379

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	51.3	76.9



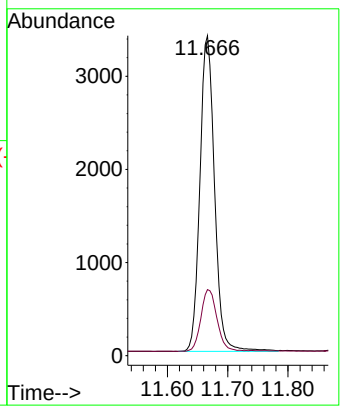


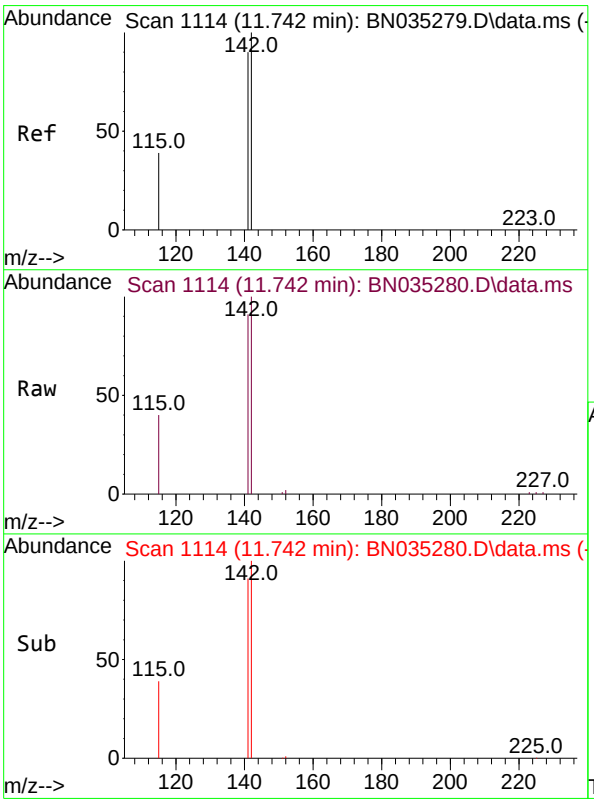
#11
2-Methylnaphthalene-d10
Concen: 0.591 ng
RT: 11.666 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 5717

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.2	25.8

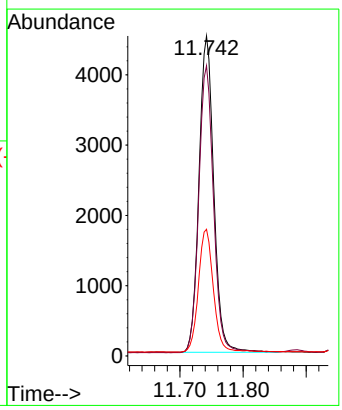


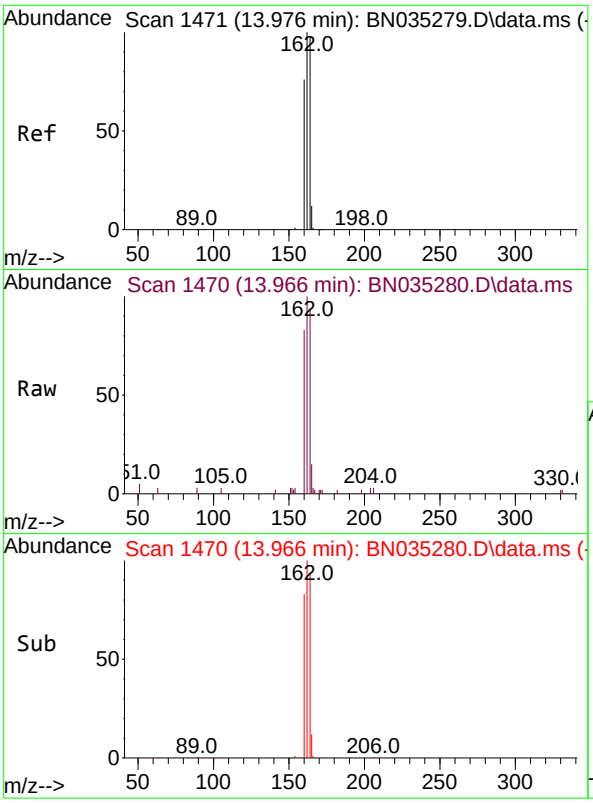


#12
2-Methylnaphthalene
Concen: 0.701 ng
RT: 11.742 min Scan# 1114
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:142 Resp: 7328

Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.8	107.8
115	39.6	32.6	49.0



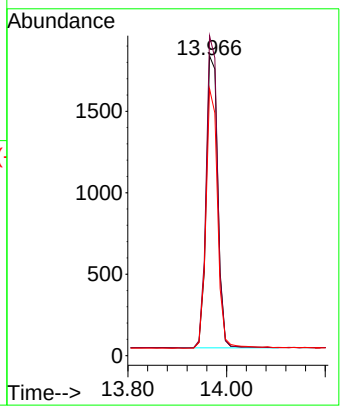


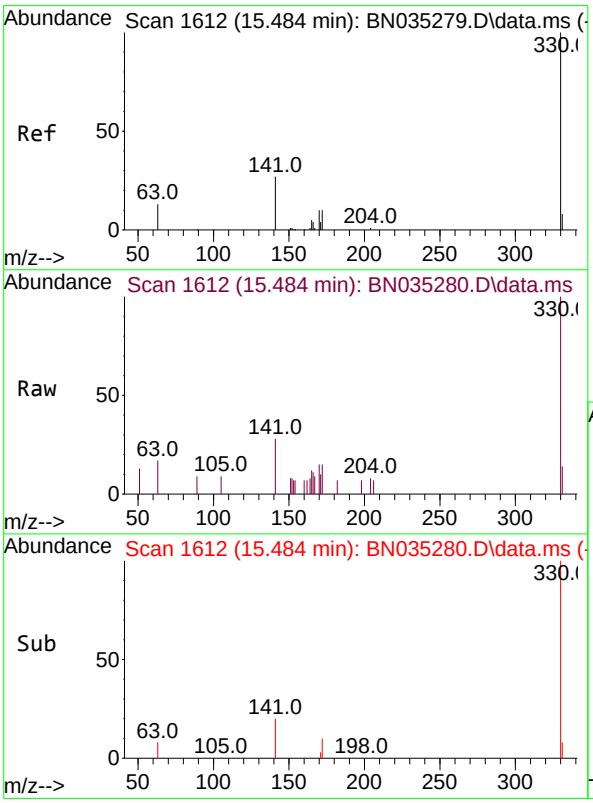
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.966 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:164 Resp: 2924

Ion	Ratio	Lower	Upper
164	100		
162	106.8	82.0	123.0
160	89.1	63.0	94.4

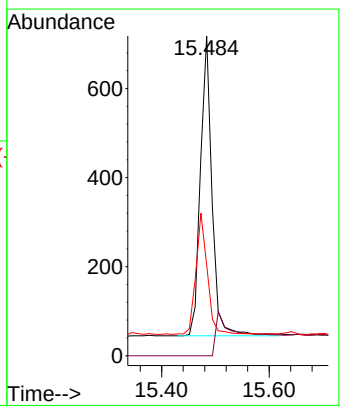


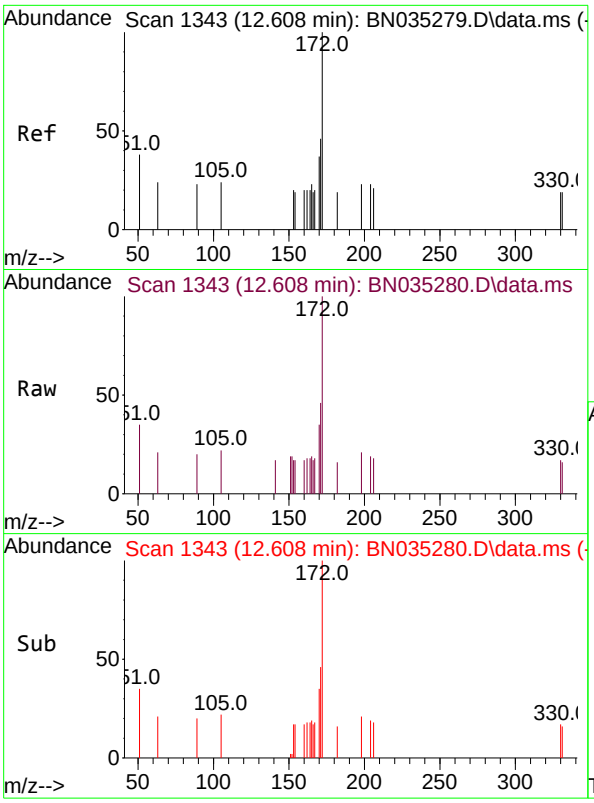


#14
2,4,6-Tribromophenol
Concen: 0.515 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:330 Resp: 1086

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	39.4	32.4	48.6



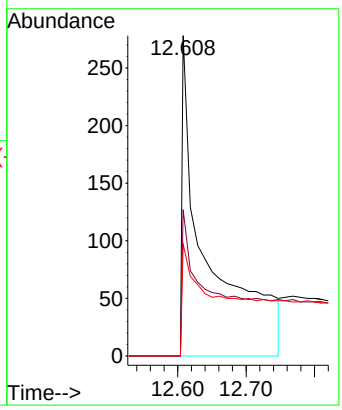


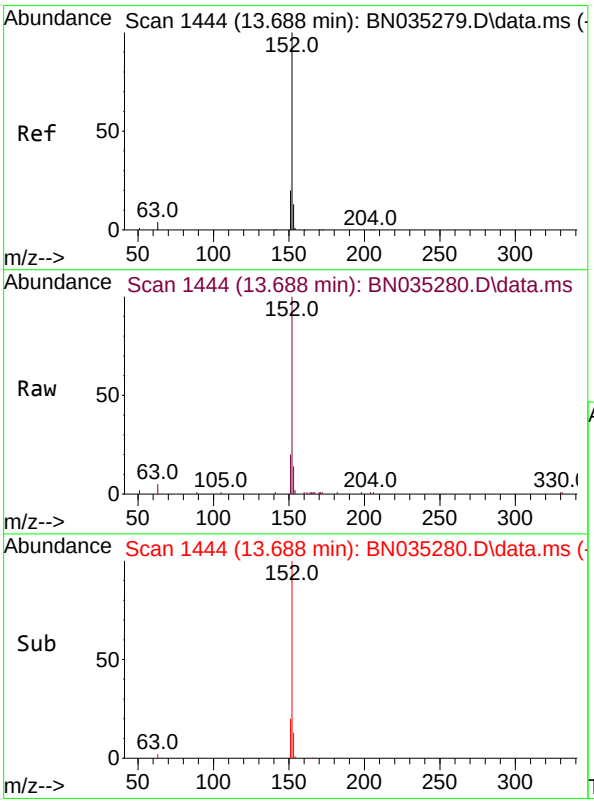
#15
2-Fluorobiphenyl
Concen: 0.058 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:172 Resp: 691

Ion	Ratio	Lower	Upper
172	100		
171	45.7	36.6	55.0
170	34.9	29.7	44.5

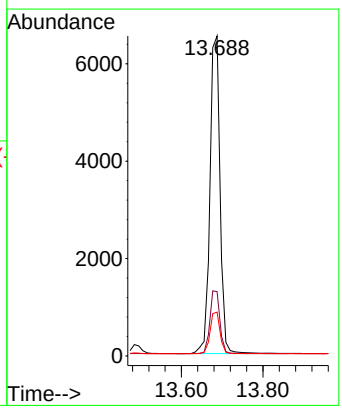


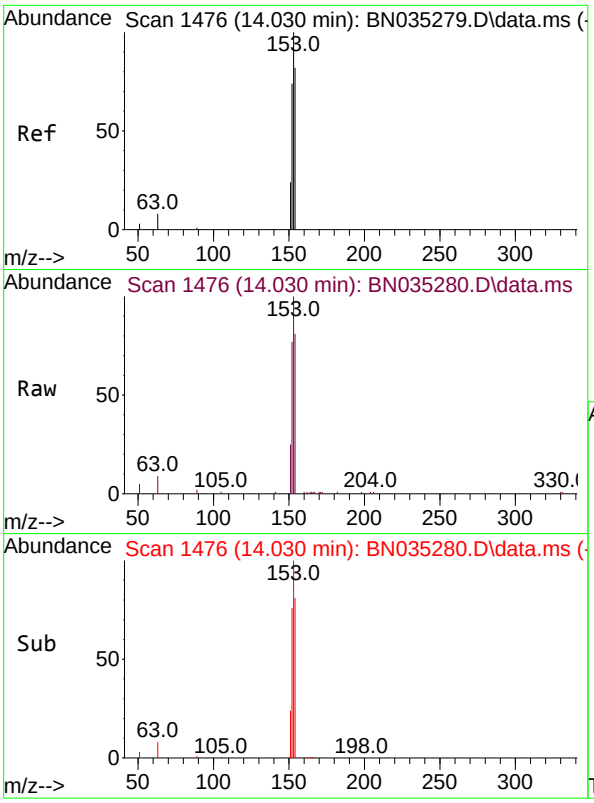


#16
Acenaphthylene
Concen: 0.898 ng
RT: 13.688 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:152 Resp: 11221

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	13.0	10.2	15.4



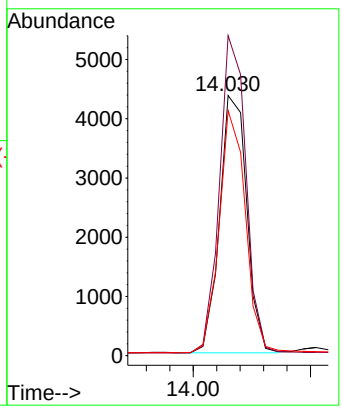


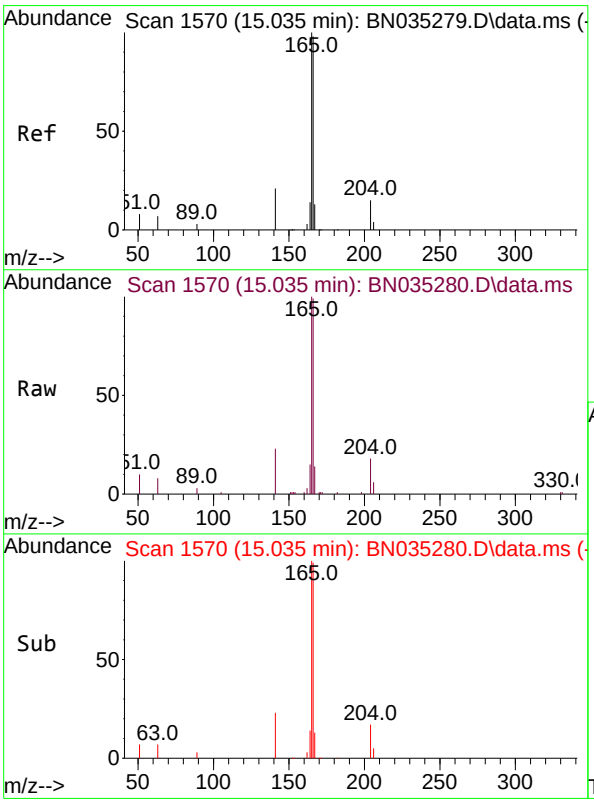
#17
Acenaphthene
Concen: 0.853 ng
RT: 14.030 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:154 Resp: 6985

Ion	Ratio	Lower	Upper
154	100		
153	120.3	96.1	144.1
152	92.3	72.2	108.2

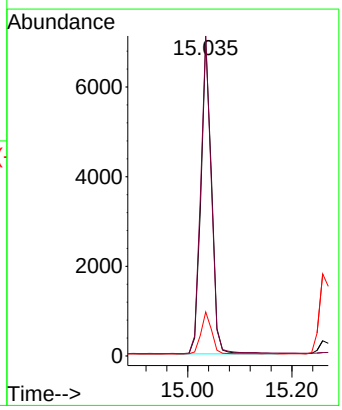


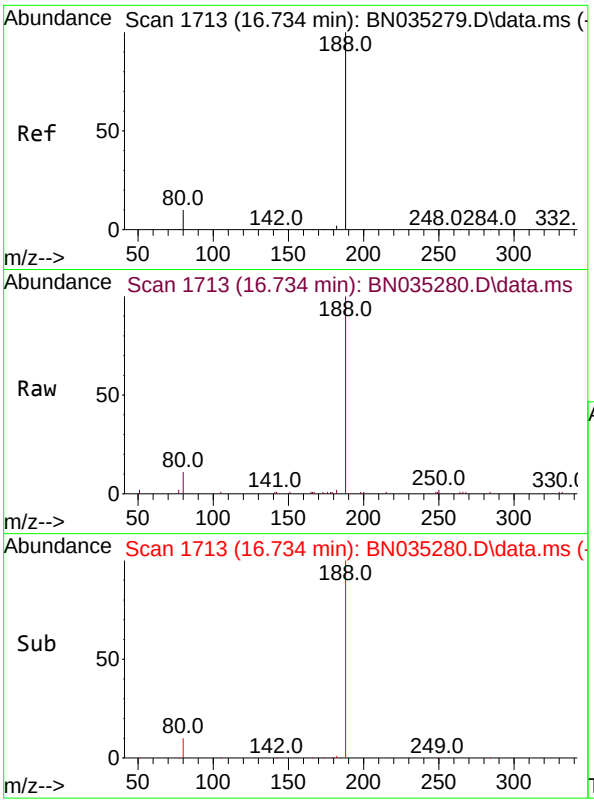


#18
Fluorene
Concen: 0.820 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:166 Resp: 9874

Ion	Ratio	Lower	Upper
166	100		
165	101.4	81.2	121.8
167	13.3	10.5	15.7



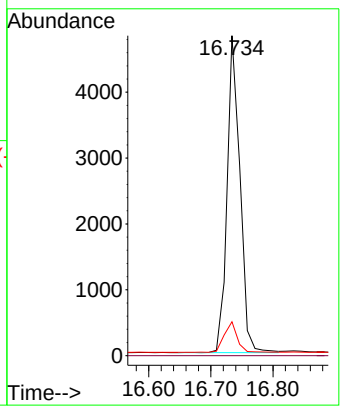


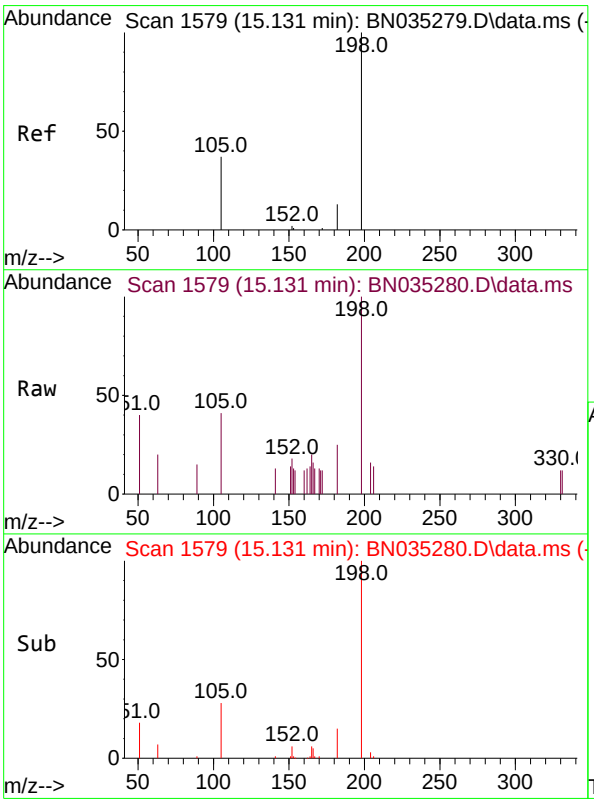
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:188 Resp: 6884

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.6	8.9	13.3

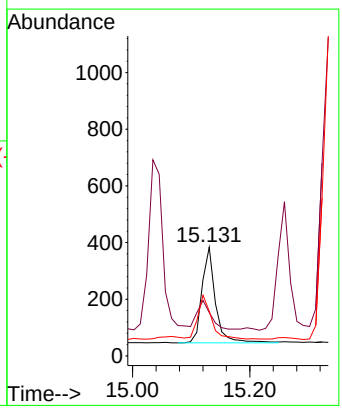


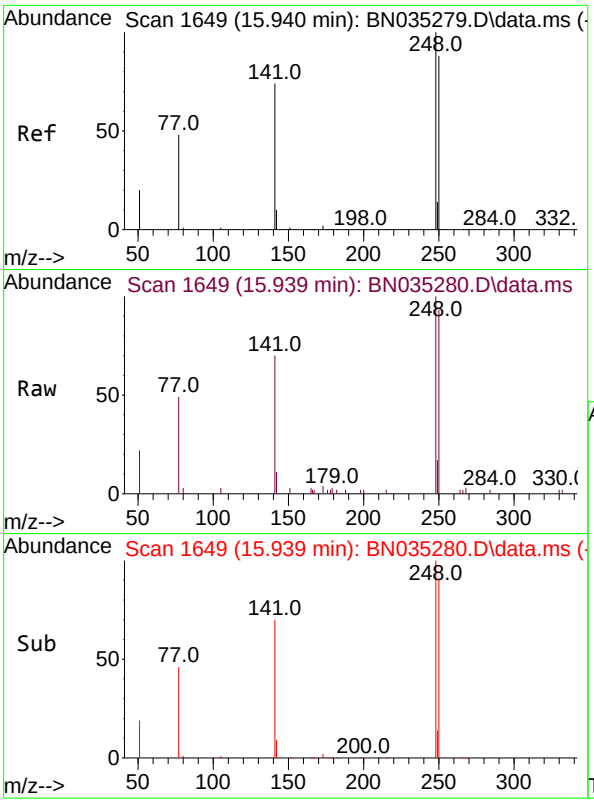


#20
4,6-Dinitro-2-methylphenol
Concen: 0.378 ng
RT: 15.131 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:198 Resp: 542

Ion	Ratio	Lower	Upper
198	100		
51	39.8	53.6	80.4#
105	41.1	47.4	71.2#



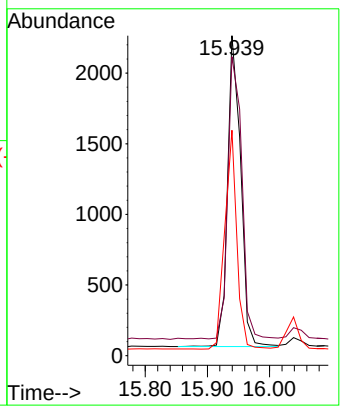


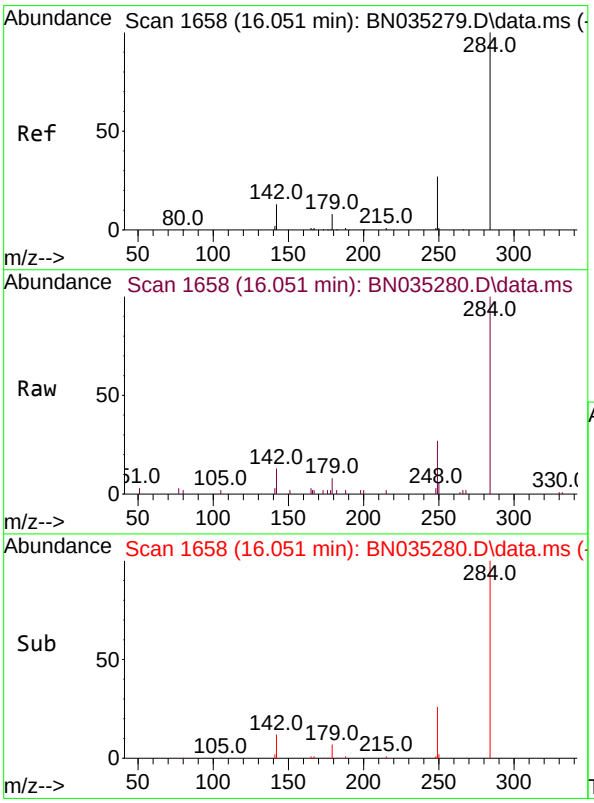
#21
4-Bromophenyl-phenylether
Concen: 0.730 ng
RT: 15.939 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:248 Resp: 3203

Ion	Ratio	Lower	Upper
248	100		
250	93.5	74.8	112.2
141	70.5	59.0	88.4

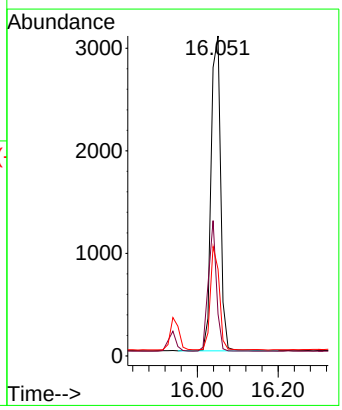


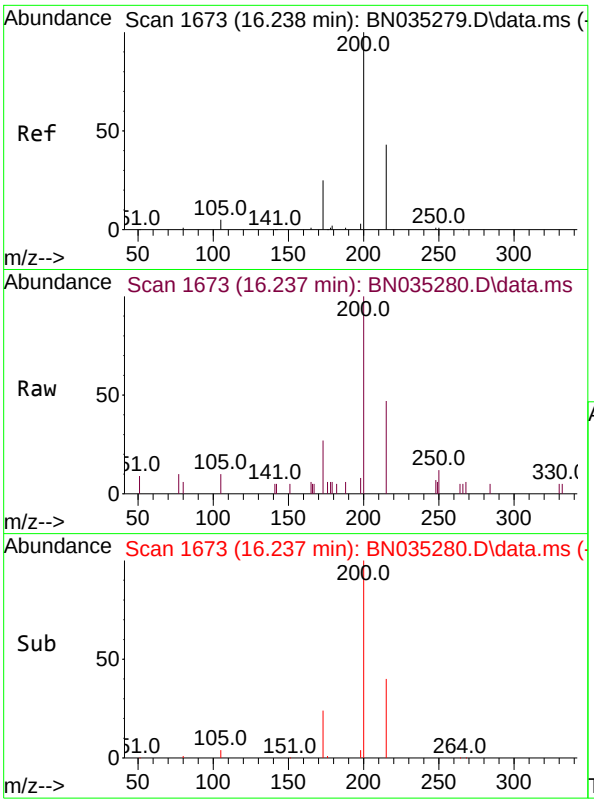


#22
Hexachlorobenzene
Concen: 1.099 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:284 Resp: 5001

Ion	Ratio	Lower	Upper
284	100		
142	35.2	28.7	43.1
249	30.8	25.4	38.0



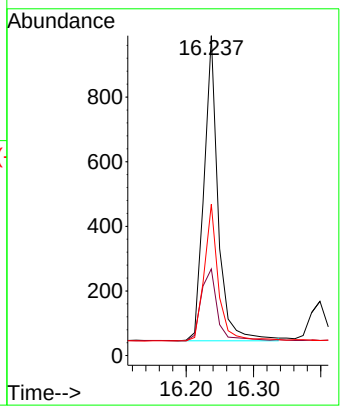


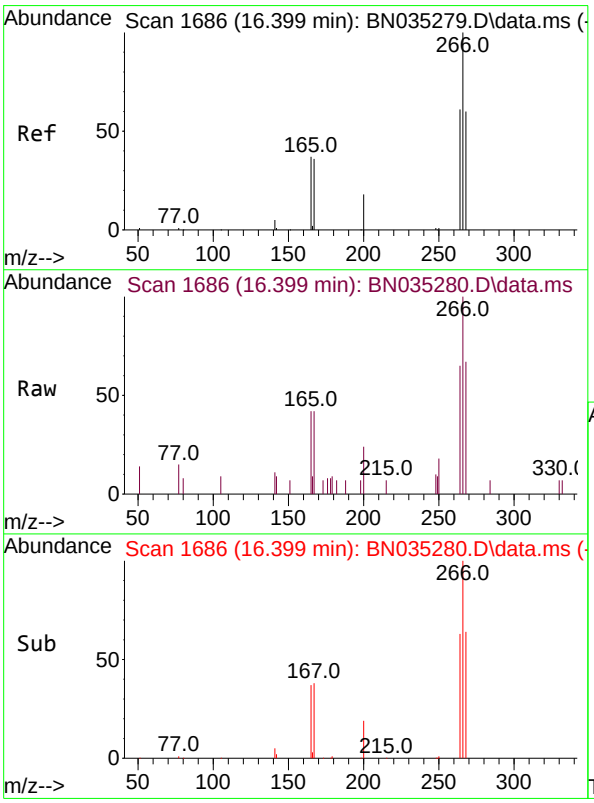
#23
Atrazine
Concen: 0.350 ng
RT: 16.237 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:200 Resp: 1376

Ion	Ratio	Lower	Upper
200	100		
173	27.1	25.8	38.8
215	47.3	38.6	58.0

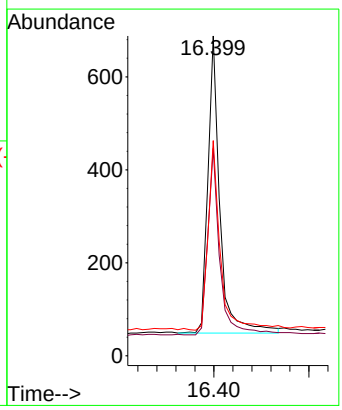


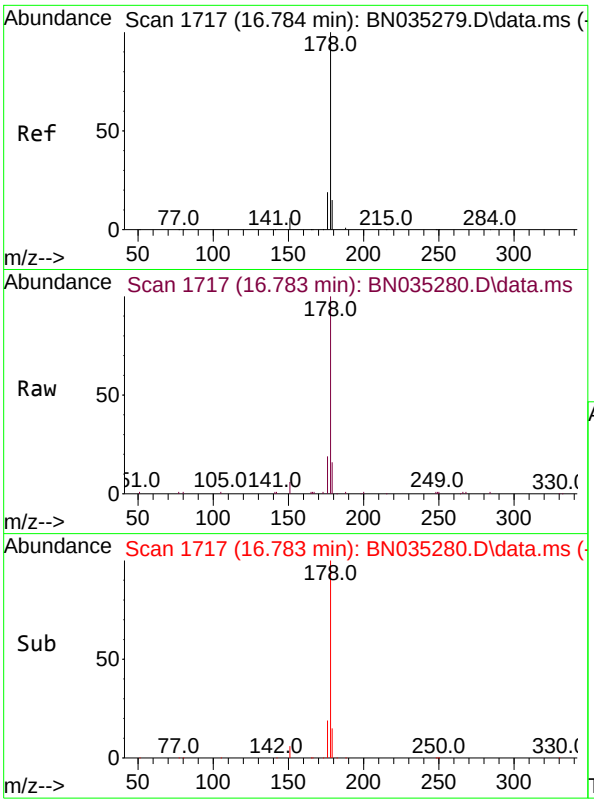


#24
Pentachlorophenol
Concen: 0.529 ng
RT: 16.399 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:266 Resp: 1125

Ion	Ratio	Lower	Upper
266	100		
264	62.7	49.3	73.9
268	65.5	48.6	73.0



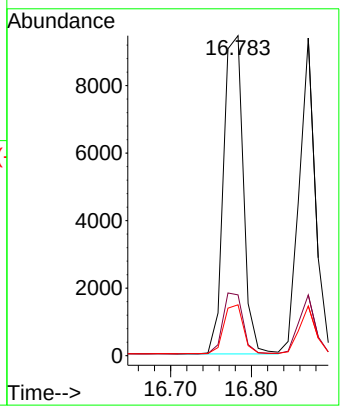


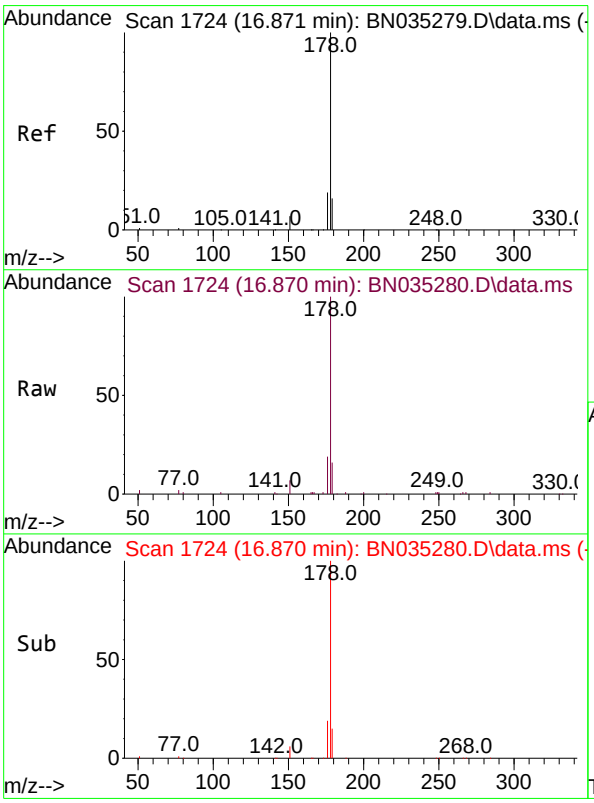
#25
Phenanthrene
Concen: 0.883 ng
RT: 16.783 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:178 Resp: 16001

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.3	12.6	18.8

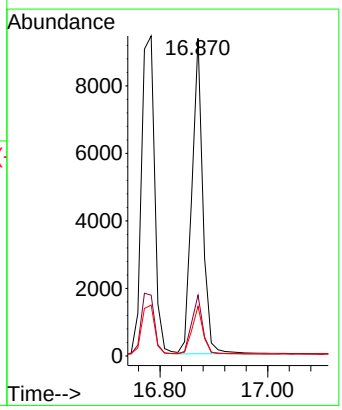


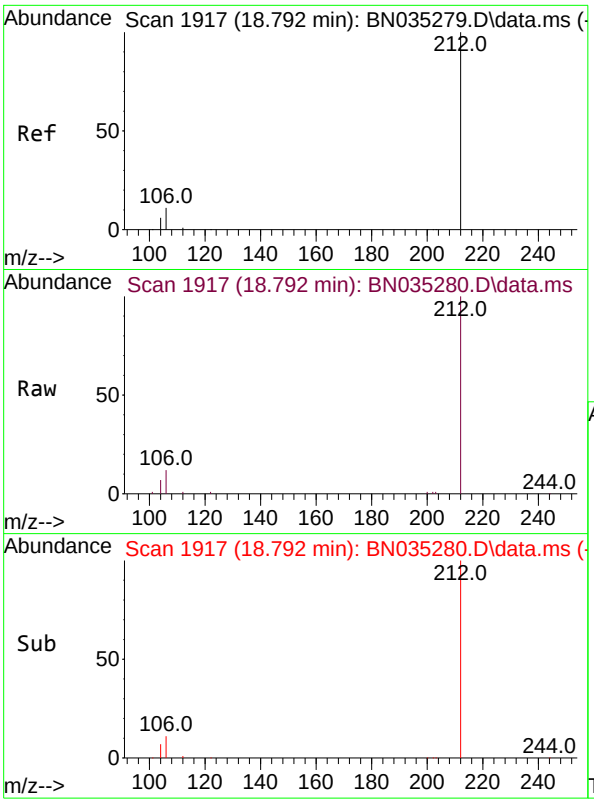


#26
Anthracene
Concen: 0.789 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:178 Resp: 13123

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.4
179	15.2	12.4	18.6



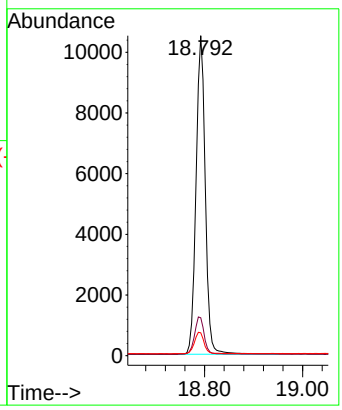


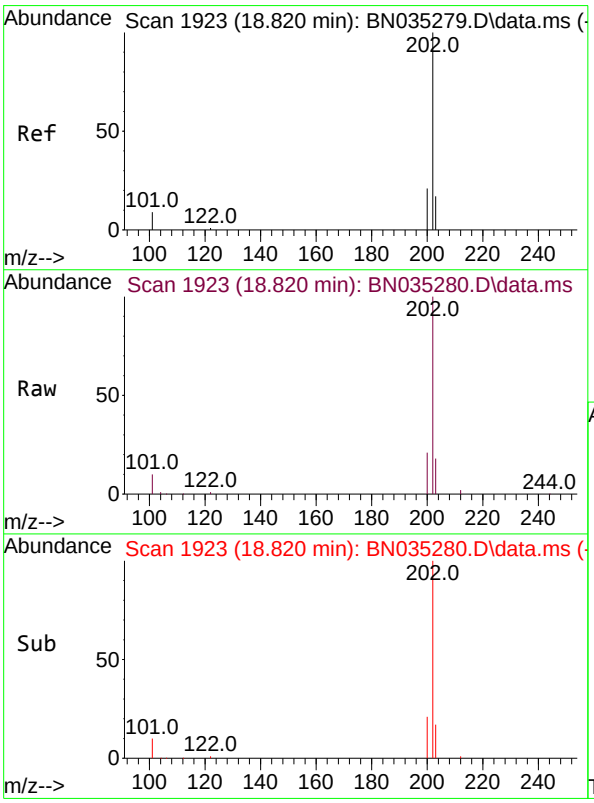
#27
Fluoranthene-d10
Concen: 0.651 ng
RT: 18.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:212 Resp: 13734

Ion	Ratio	Lower	Upper
212	100		
106	12.1	9.8	14.8
104	6.9	5.6	8.4

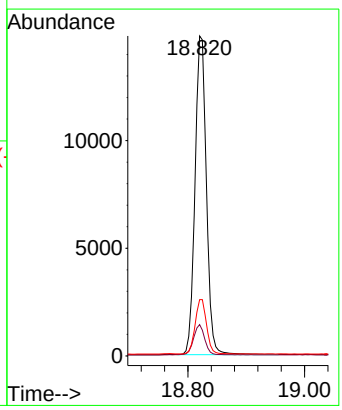


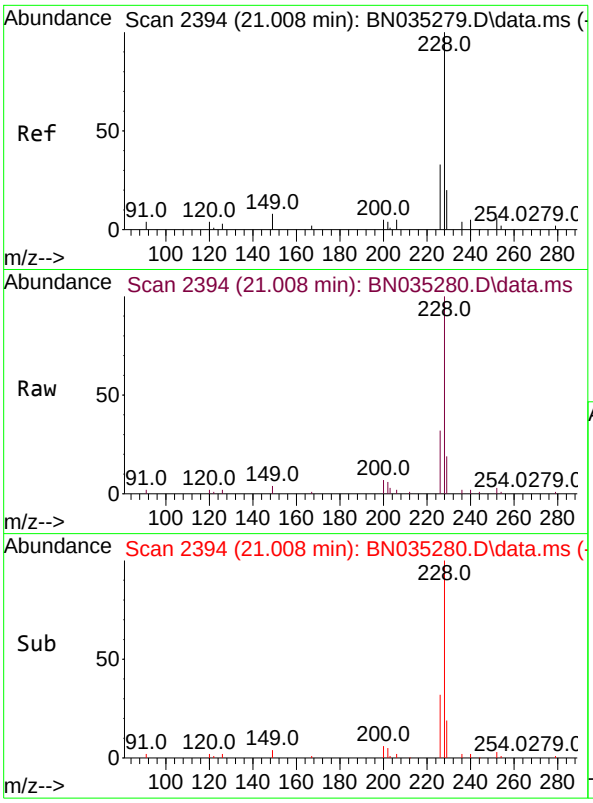


#28
Fluoranthene
Concen: 0.803 ng
RT: 18.820 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:202 Resp: 20007

Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.6	11.4
203	17.1	13.8	20.8



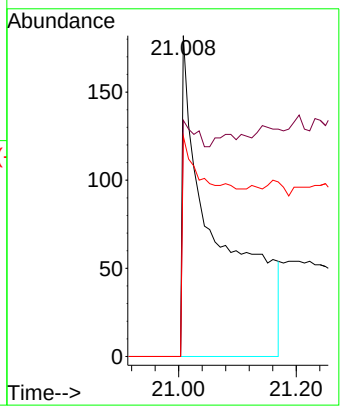


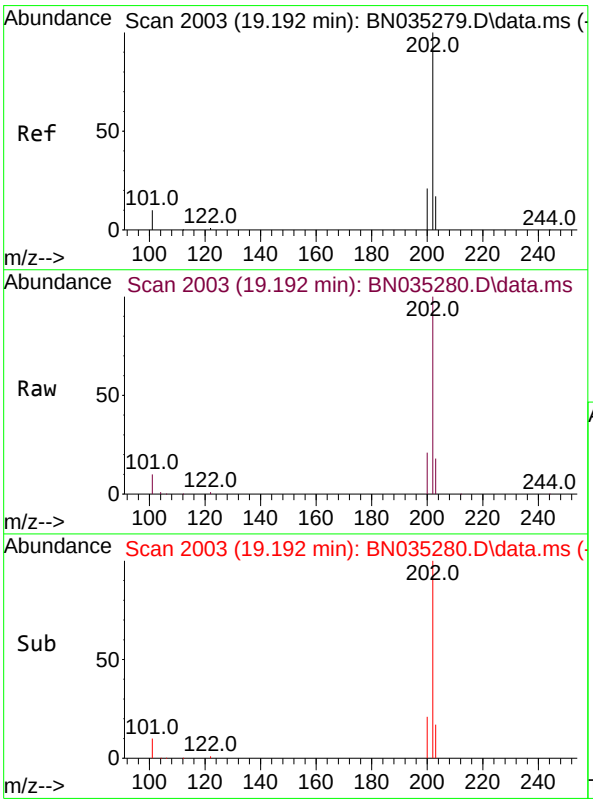
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:240 Resp: 725

Ion	Ratio	Lower	Upper
240	100		
120	73.6	54.9	82.3
236	68.7	54.0	81.0

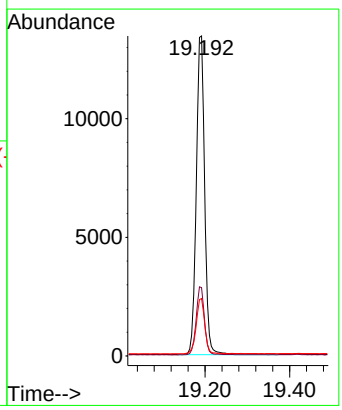


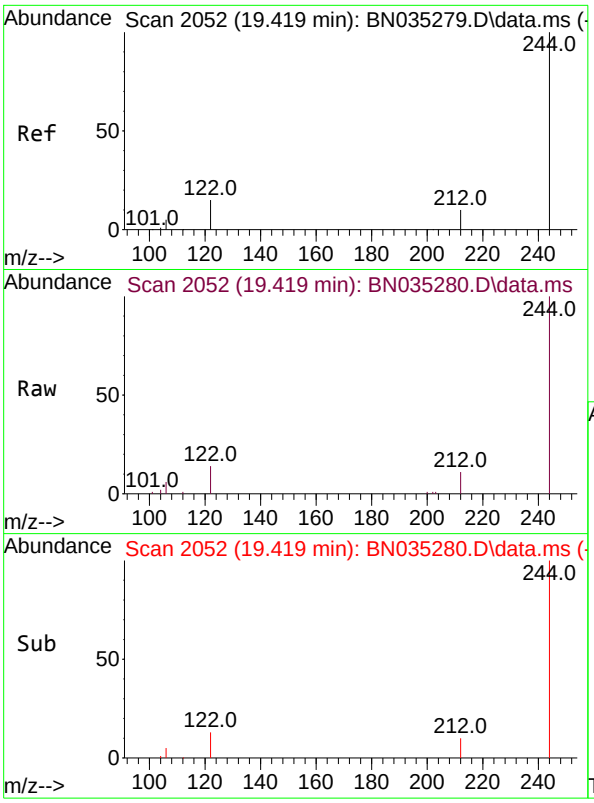


#30
Pyrene
Concen: 7.635 ng
RT: 19.192 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:202 Resp: 18434

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.6	14.4	21.6



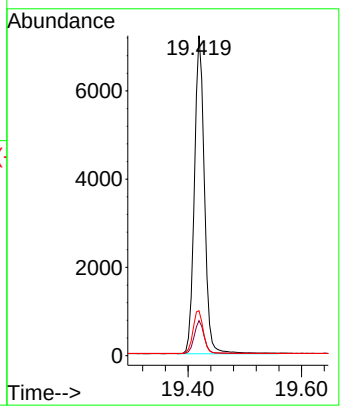


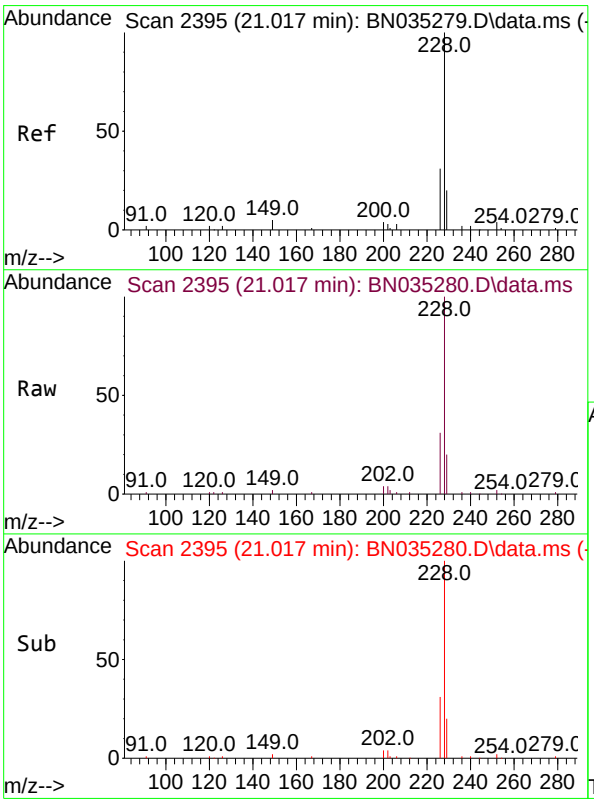
#31
Terphenyl-d14
Concen: 5.792 ng
RT: 19.419 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:244 Resp: 8811

Ion	Ratio	Lower	Upper
244	100		
212	10.9	9.4	14.0
122	14.1	13.0	19.4

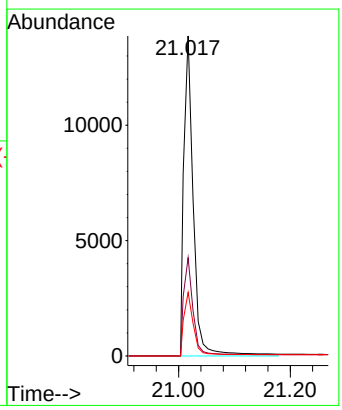


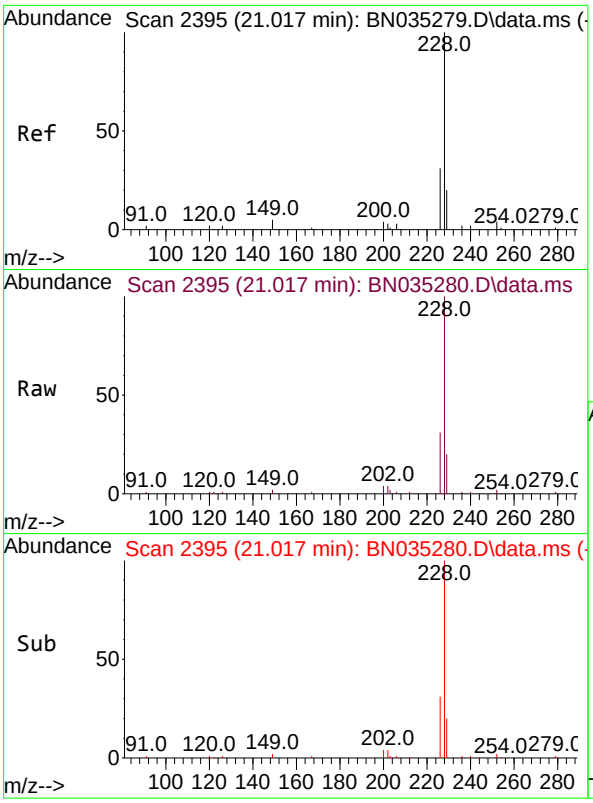


#32
Benzo(a)anthracene
Concen: 6.606 ng
RT: 21.017 min Scan# 2395
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:228 Resp: 16677

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	19.9	16.2	24.2



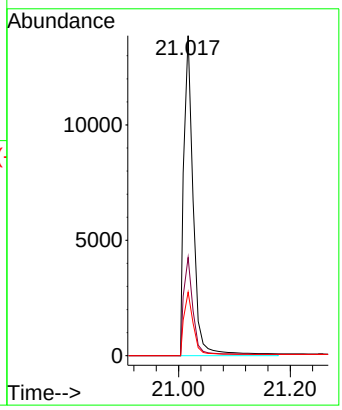


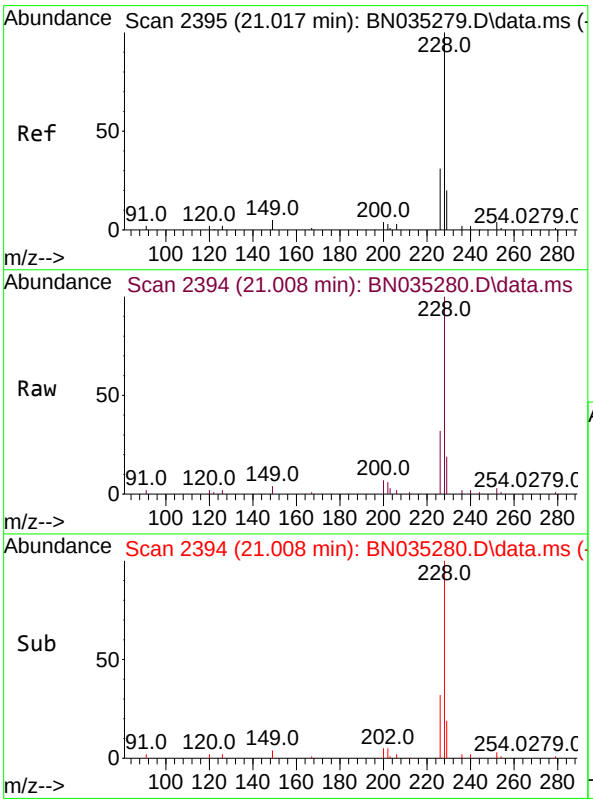
#33
Chrysene
Concen: 6.669 ng
RT: 21.017 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:228 Resp: 16677

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	19.9	16.2	24.2

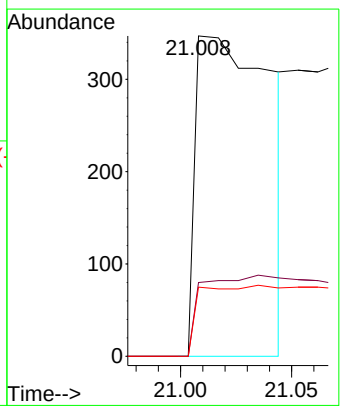


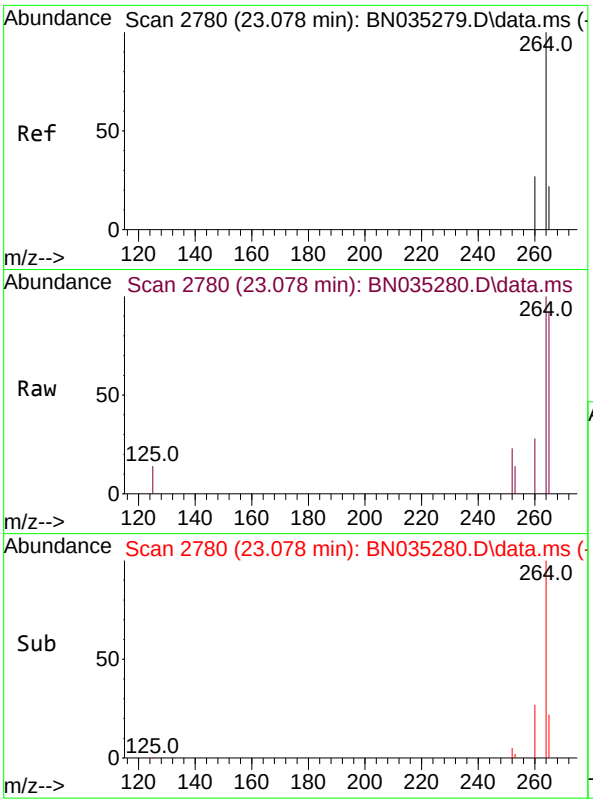


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.553 ng
RT: 21.008 min Scan# 2394
Delta R.T. -0.009 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:149 Resp: 733

Ion	Ratio	Lower	Upper
149	100		
167	0.0	0.0	0.0
279	0.0	13.0	19.6#



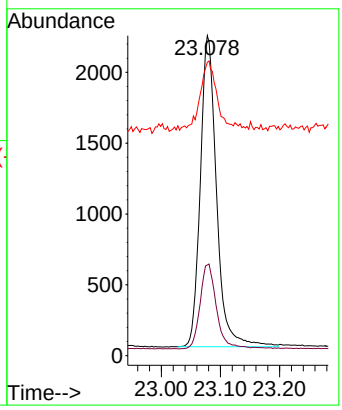


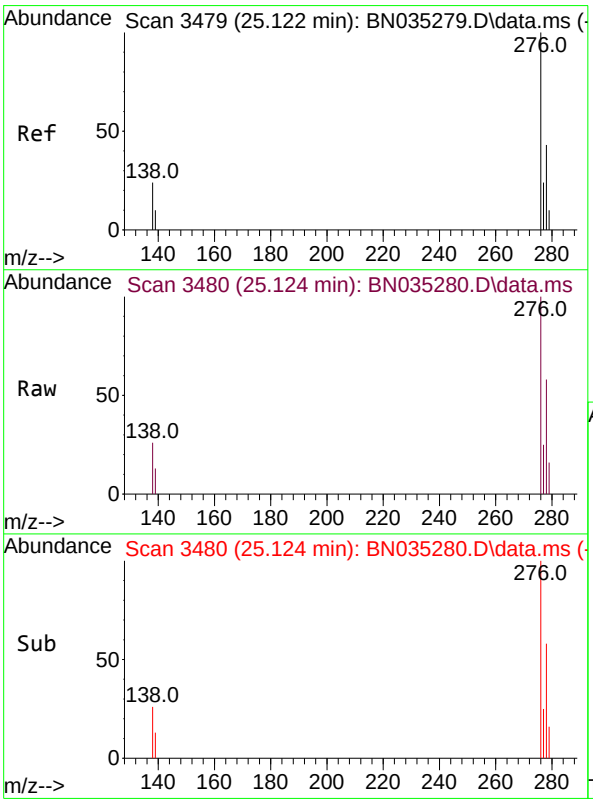
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.078 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:264 Resp: 4193

Ion	Ratio	Lower	Upper
264	100		
260	28.3	22.3	33.5
265	91.6	68.6	103.0

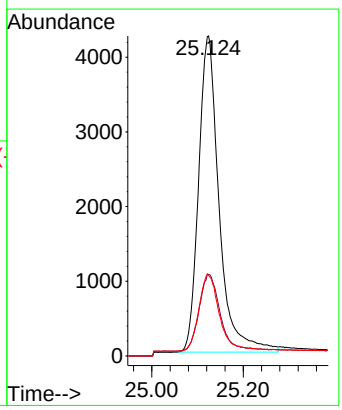


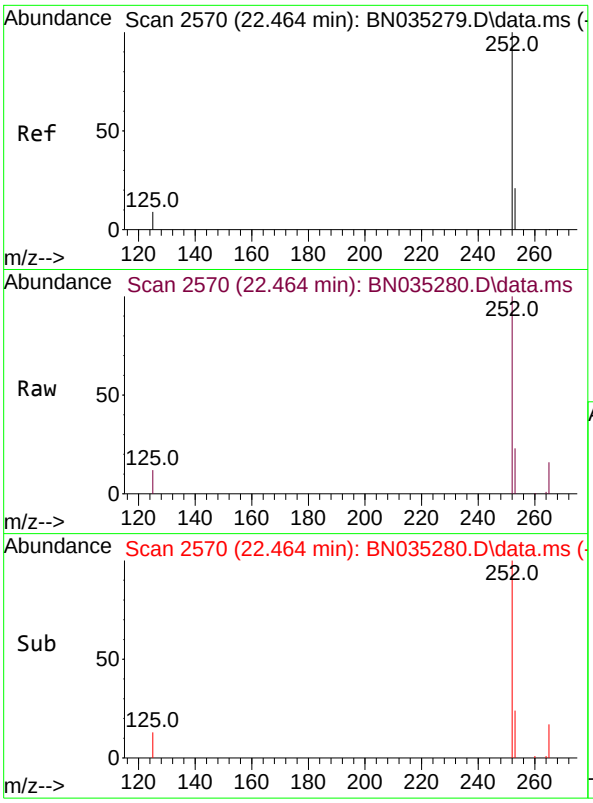


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.789 ng
RT: 25.124 min Scan# 3480
Delta R.T. 0.003 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:276 Resp: 13203

Ion	Ratio	Lower	Upper
276	100		
138	23.8	18.8	28.2
277	23.7	18.2	27.4



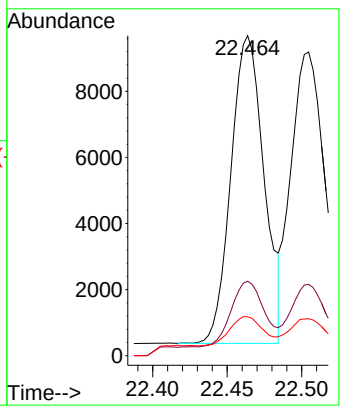


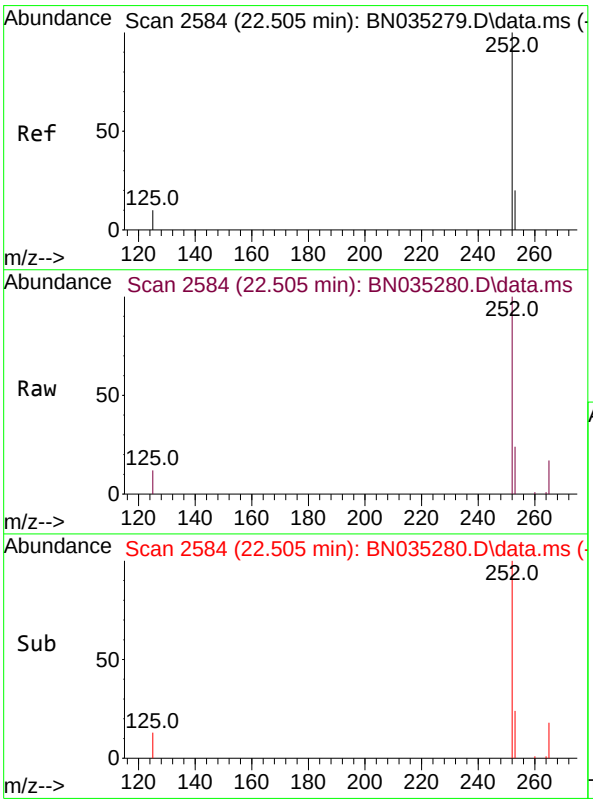
#37
Benzo(b)fluoranthene
Concen: 1.019 ng
RT: 22.464 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 14372

Ion	Ratio	Lower	Upper
252	100		
253	23.3	20.2	30.2
125	12.2	12.0	18.0

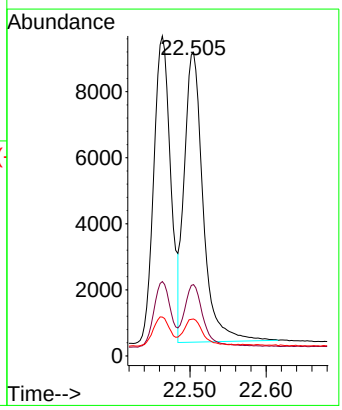


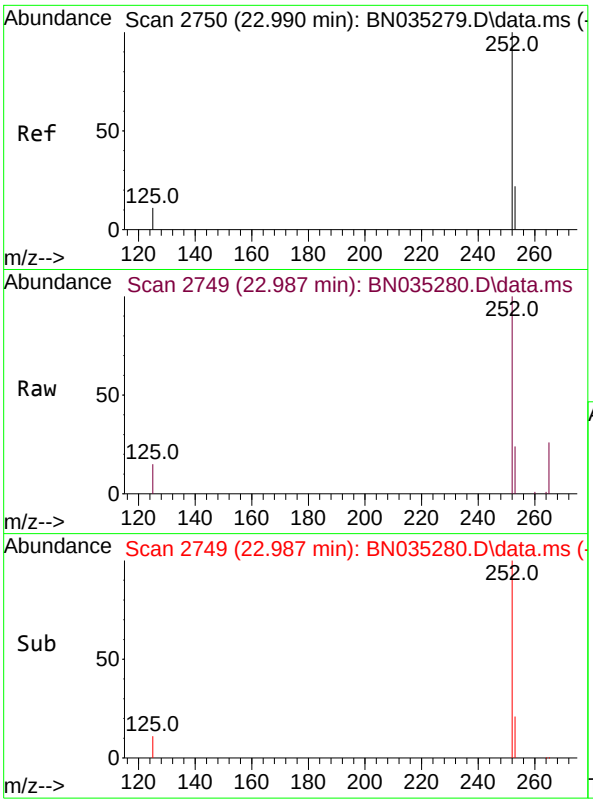


#38
Benzo(k)fluoranthene
Concen: 1.067 ng
RT: 22.505 min Scan# 2584
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:252 Resp: 15061

Ion	Ratio	Lower	Upper
252	100		
253	23.5	20.1	30.1
125	12.2	12.7	19.1#



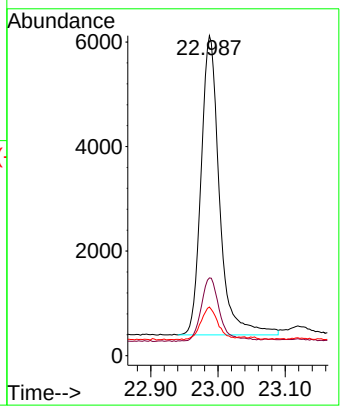


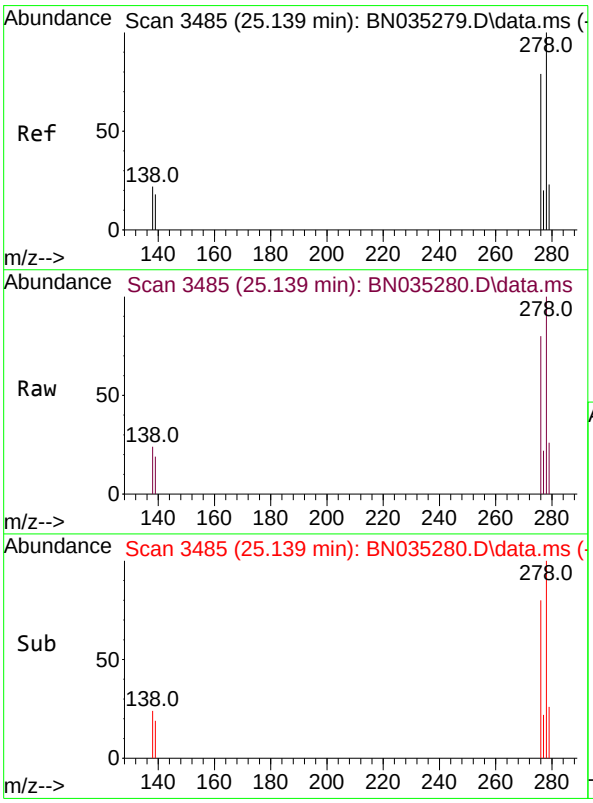
#39
Benzo(a)pyrene
Concen: 0.876 ng
RT: 22.987 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 10876

Ion	Ratio	Lower	Upper
252	100		
253	24.3	22.3	33.5
125	15.2	15.3	22.9#

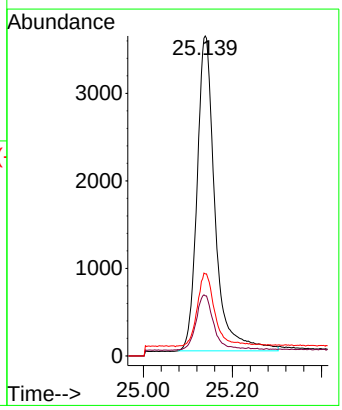


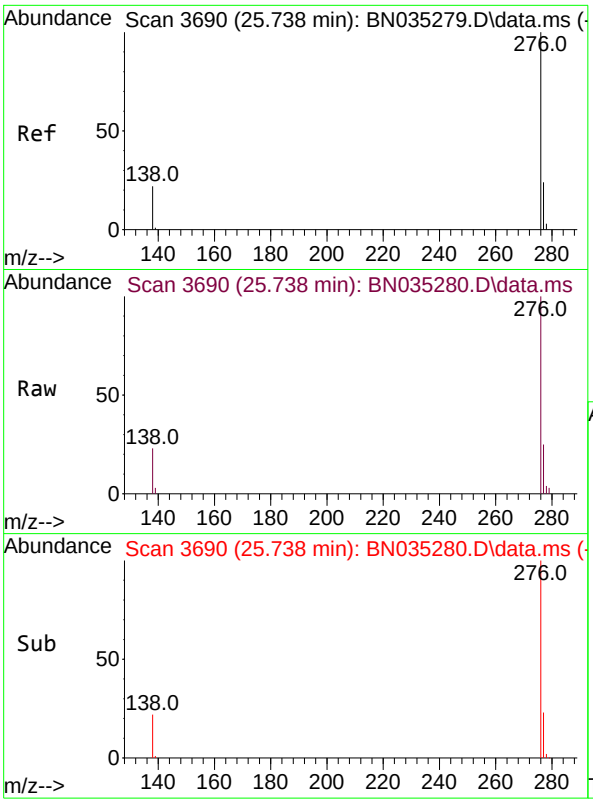


#40
Dibenzo(a,h)anthracene
Concen: 0.760 ng
RT: 25.139 min Scan# 3485
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Tgt Ion:278 Resp: 10078

Ion	Ratio	Lower	Upper
278	100		
139	18.8	17.0	25.6
279	25.6	23.0	34.4



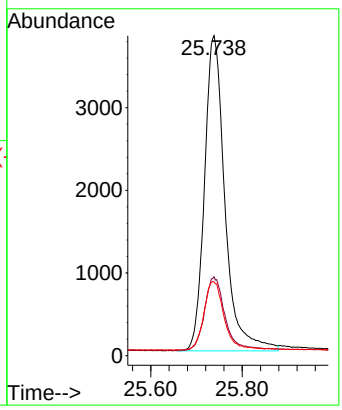


#41
Benzo(g,h,i)perylene
Concen: 0.840 ng
RT: 25.738 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN035280.D
Acq: 25 Nov 2024 12:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 11838

Ion	Ratio	Lower	Upper
276	100		
277	24.7	21.1	31.7
138	23.0	19.8	29.8



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035281.D
Acq On : 25 Nov 2024 12:40
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: Nov 25 14:20:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:16:35 2024
Response via : Initial Calibration

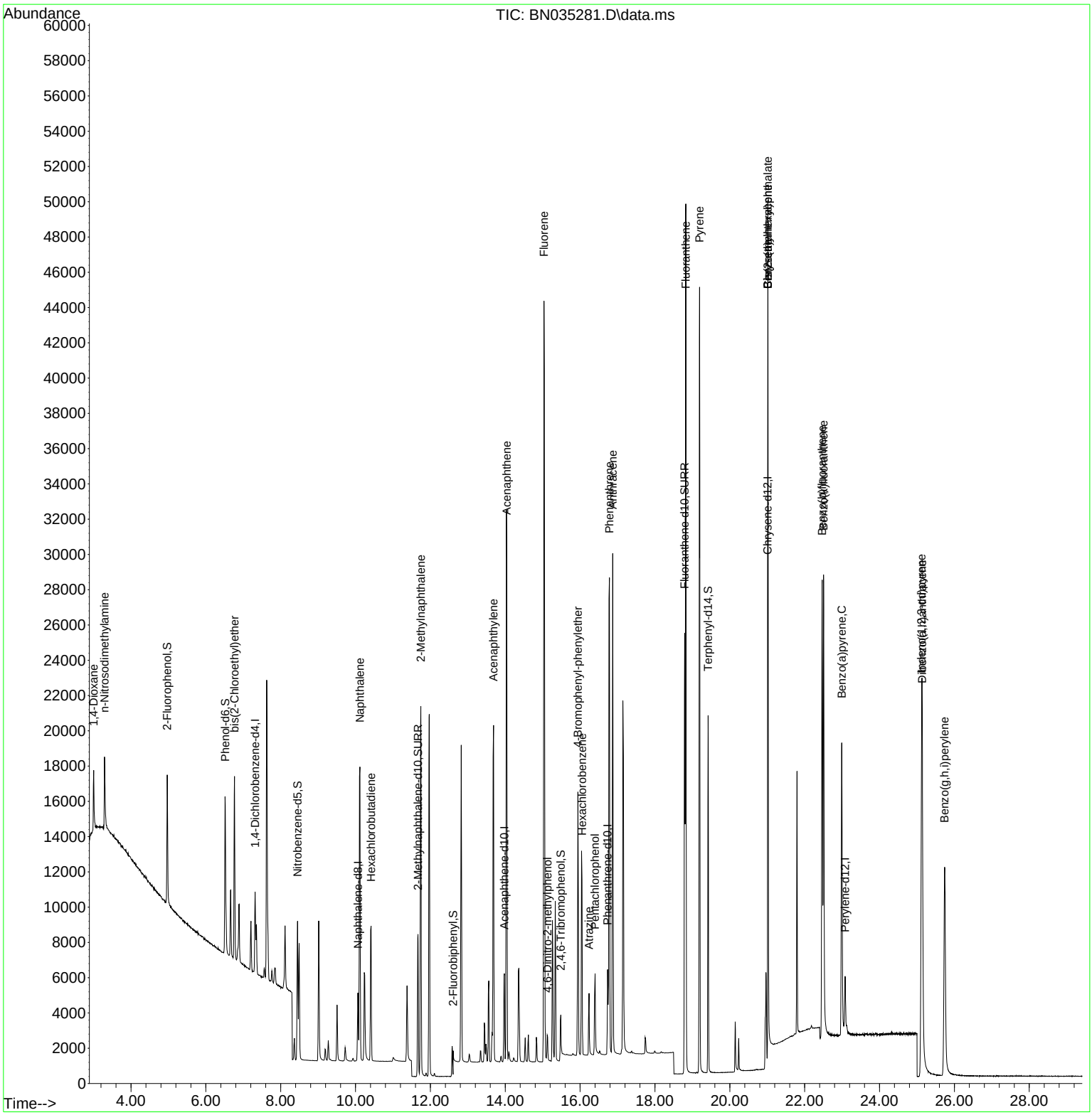
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.315	152	2108	0.400	ng		0.00
7) Naphthalene-d8	10.063	136	4875	0.400	ng		0.00
13) Acenaphthene-d10	13.976	164	2647	0.400	ng		0.00
19) Phenanthrene-d10	16.734	188	6226	0.400	ng		0.00
29) Chrysene-d12	21.008	240	542	0.400	ng		0.00
35) Perylene-d12	23.081	264	3989	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.968	112	6152	1.150	ng		0.00
5) Phenol-d6	6.520	99	8647	1.289	ng		0.00
8) Nitrobenzene-d5	8.450	82	6940	1.635	ng		0.00
11) 2-Methylnaphthalene-d10	11.666	152	11029	1.270	ng		0.00
14) 2,4,6-Tribromophenol	15.484	330	2250	1.178	ng		0.00
15) 2-Fluorobiphenyl	12.608	172	871	0.081	ng		0.00
27) Fluoranthene-d10	18.792	212	27881	1.462	ng		0.00
31) Terphenyl-d14	19.419	244	18679	16.424	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.003	88	2397	1.252	ng	#	80
3) n-Nitrosodimethylamine	3.292	42	2641	1.480	ng	#	81
6) bis(2-Chloroethyl)ether	6.766	93	7711	1.531	ng		99
9) Naphthalene	10.116	128	22419	1.761	ng		98
10) Hexachlorobutadiene	10.415	225	6605	1.770	ng	#	99
12) 2-Methylnaphthalene	11.742	142	14579	1.553	ng		98
16) Acenaphthylene	13.688	152	22416	1.982	ng		99
17) Acenaphthene	14.040	154	14198	1.915	ng		100
18) Fluorene	15.035	166	20193	1.852	ng		99
20) 4,6-Dinitro-2-methylph...	15.131	198	1188	0.917	ng	#	56
21) 4-Bromophenyl-phenylether	15.939	248	6288	1.585	ng		98
22) Hexachlorobenzene	16.051	284	9730	2.364	ng		99
23) Atrazine	16.237	200	2833	0.796	ng	#	93
24) Pentachlorophenol	16.399	266	2413	1.255	ng		97
25) Phenanthrene	16.783	178	31649	1.932	ng		99
26) Anthracene	16.870	178	27397	1.820	ng		99
28) Fluoranthene	18.825	202	43133	1.914	ng		99
30) Pyrene	19.192	202	38572	21.370	ng		99
32) Benzo(a)anthracene	21.017	228	35573	18.849	ng		99
33) Chrysene	21.017	228	35573	19.028	ng		99
34) Bis(2-ethylhexyl)phtha...	21.017	149	946	0.955	ng	#	62
36) Indeno(1,2,3-cd)pyrene	25.124	276	27825	1.749	ng		97
37) Benzo(b)fluoranthene	22.467	252	29950	2.232	ng	#	93
38) Benzo(k)fluoranthene	22.505	252	32689	2.434	ng	#	92
39) Benzo(a)pyrene	22.990	252	22785	1.929	ng	#	88
40) Dibenzo(a,h)anthracene	25.142	278	21588	1.712	ng		92
41) Benzo(g,h,i)perylene	25.738	276	24058	1.794	ng		95

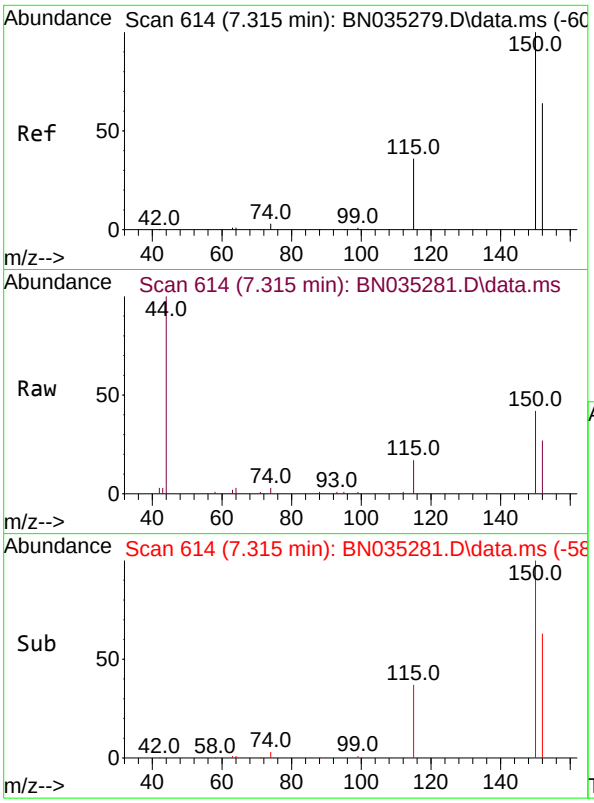
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035281.D
Acq On : 25 Nov 2024 12:40
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: Nov 25 14:20:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:16:35 2024
Response via : Initial Calibration



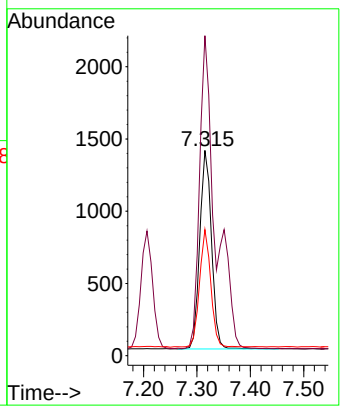


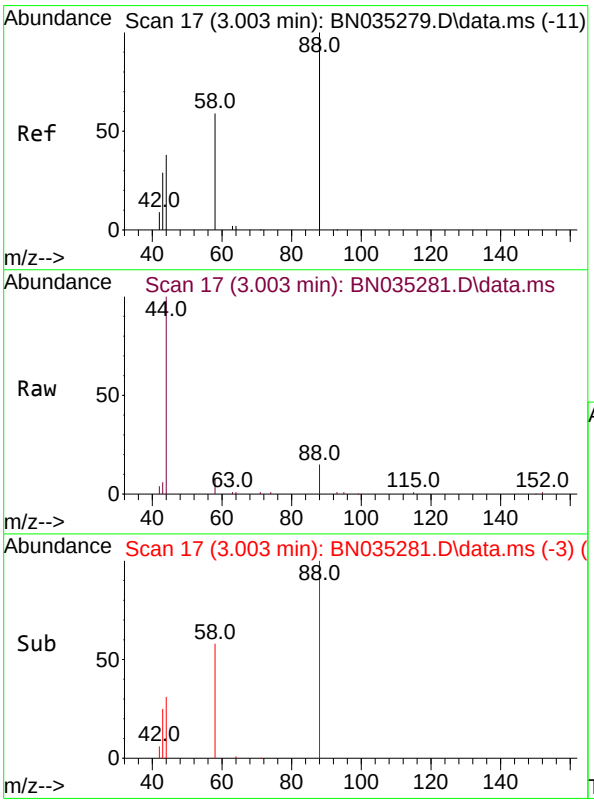
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 2108

Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.5	186.7
115	61.4	47.8	71.8

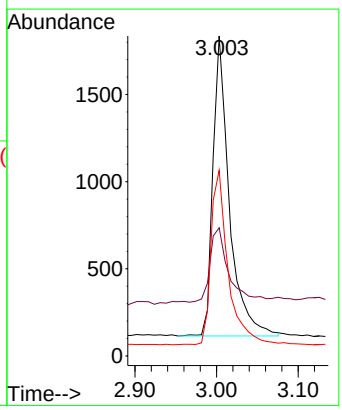


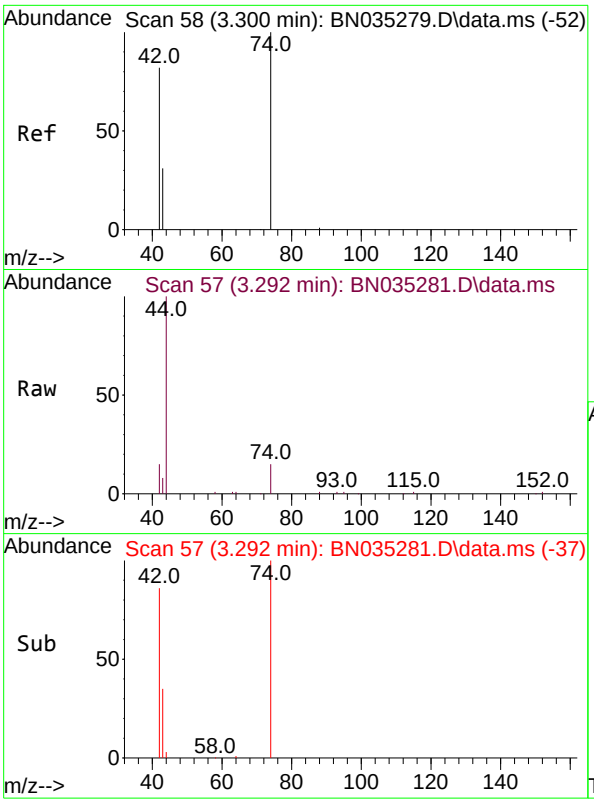


#2
1,4-Dioxane
Concen: 1.252 ng
RT: 3.003 min Scan# 17
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion: 88 Resp: 2397

Ion	Ratio	Lower	Upper
88	100		
43	32.7	48.1	72.1#
58	61.1	46.9	70.3



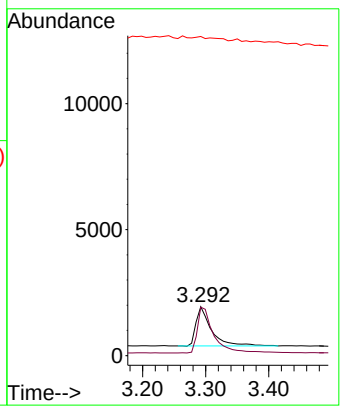


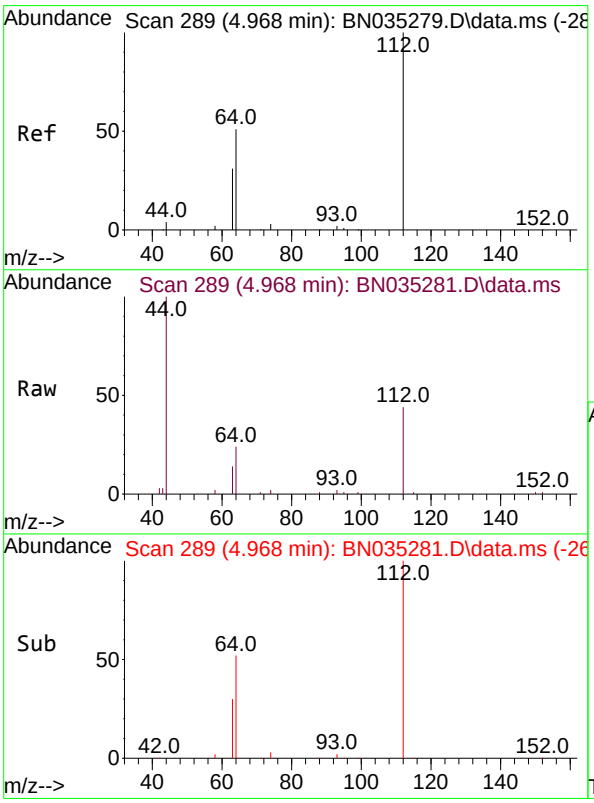
#3
n-Nitrosodimethylamine
Concen: 1.480 ng
RT: 3.292 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 42 Resp: 2641

Ion	Ratio	Lower	Upper
42	100		
74	124.1	102.7	154.1
44	0.0	34.1	51.1#

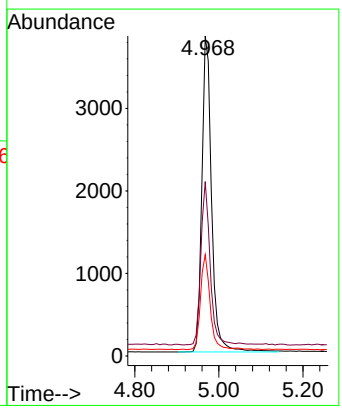


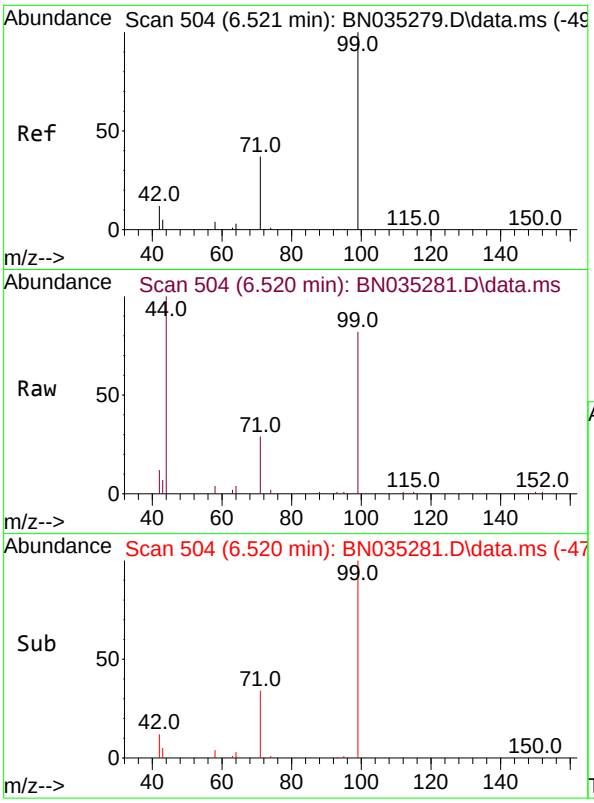


#4
2-Fluorophenol
Concen: 1.150 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:112 Resp: 6152

Ion	Ratio	Lower	Upper
112	100		
64	49.1	40.4	60.6
63	29.1	23.8	35.8



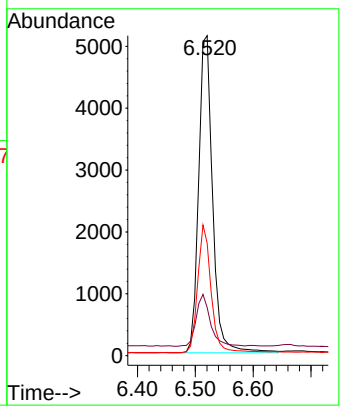


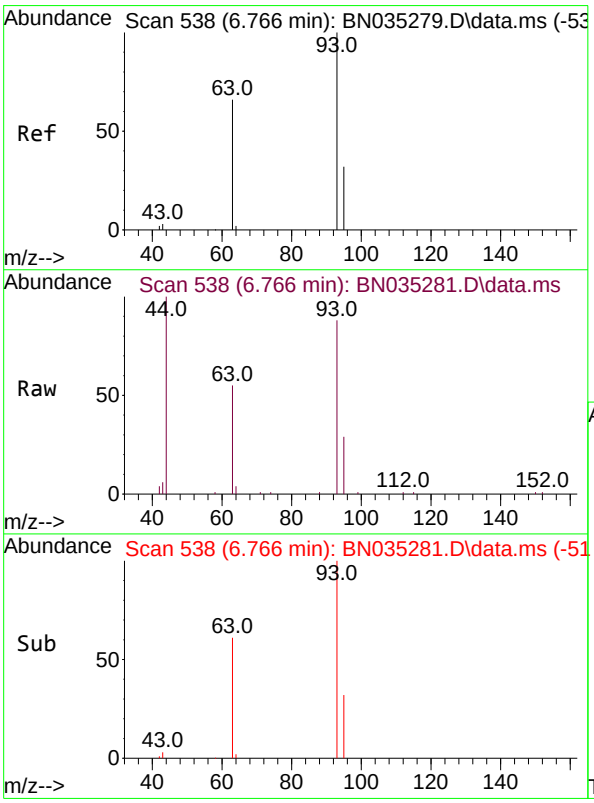
#5
Phenol-d6
Concen: 1.289 ng
RT: 6.520 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 99 Resp: 8647

Ion	Ratio	Lower	Upper
99	100		
42	16.6	12.8	19.2
71	38.4	31.4	47.2

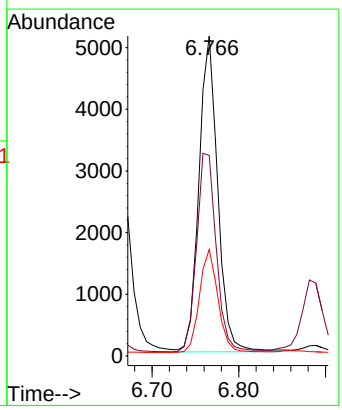


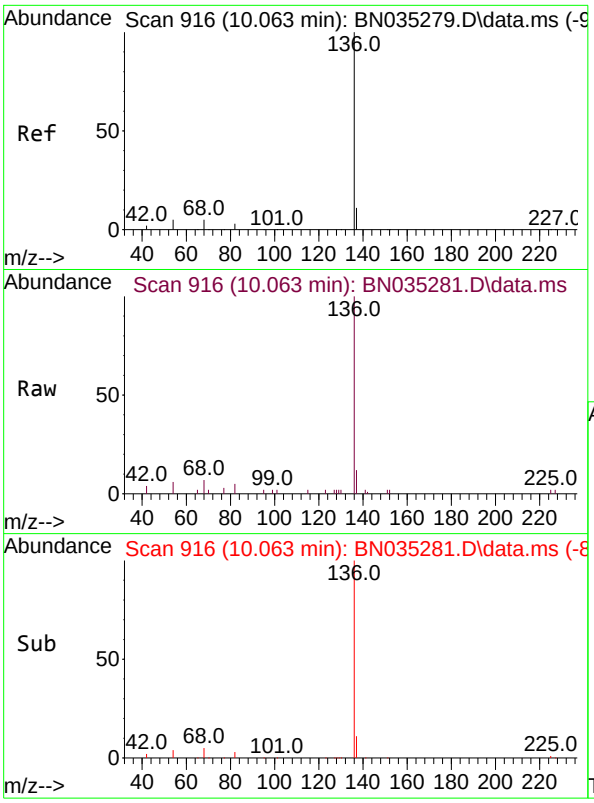


#6
bis(2-Chloroethyl)ether
Concen: 1.531 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion: 93 Resp: 7711

Ion	Ratio	Lower	Upper
93	100		
63	66.1	52.3	78.5
95	32.1	25.5	38.3



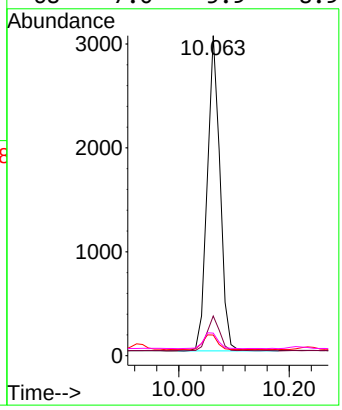


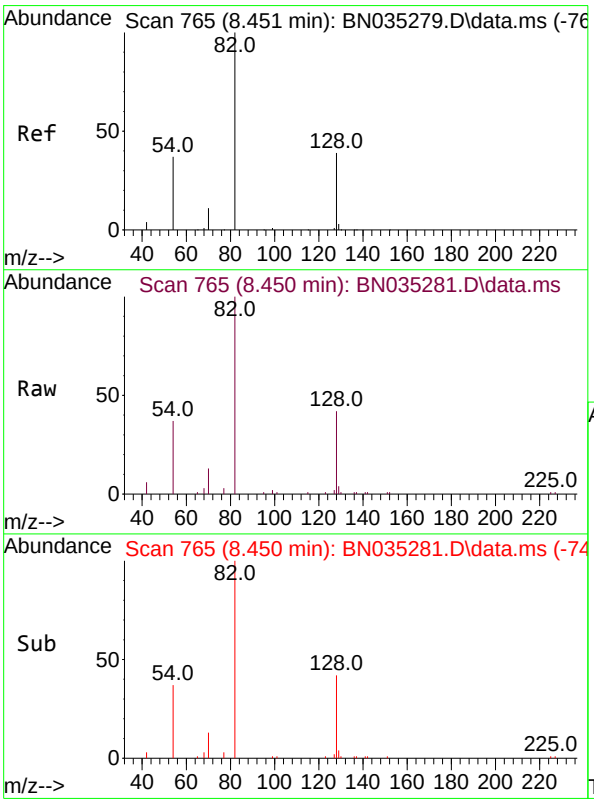
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:136 Resp: 4875

Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.7	14.5
54	6.5	5.3	7.9
68	7.0	5.9	8.9

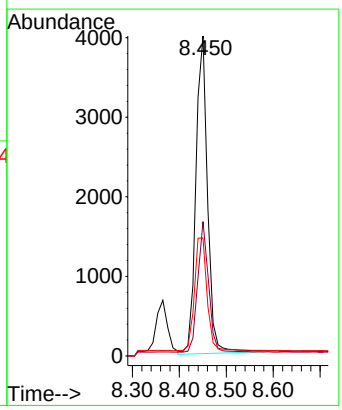


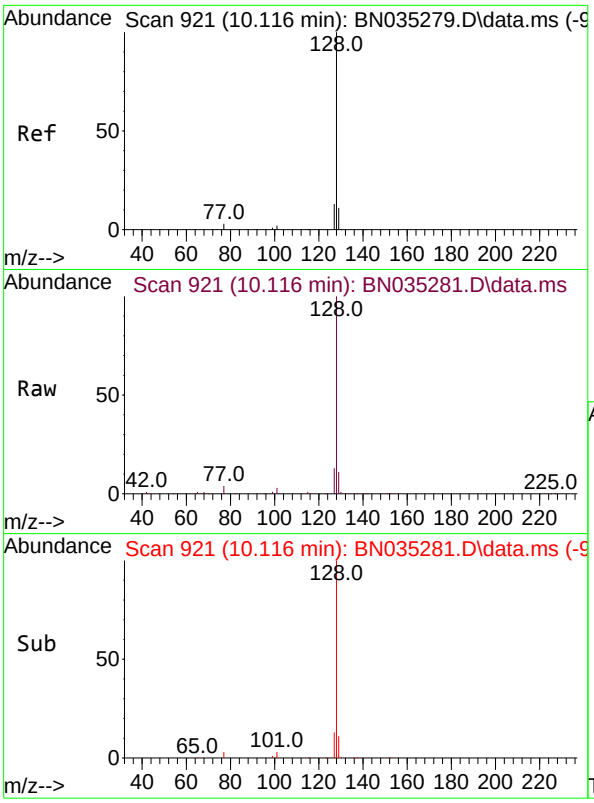


#8
Nitrobenzene-d5
Concen: 1.635 ng
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion: 82 Resp: 6940

Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.0	49.4
54	36.9	33.3	49.9



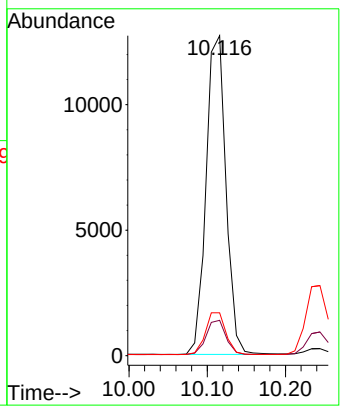


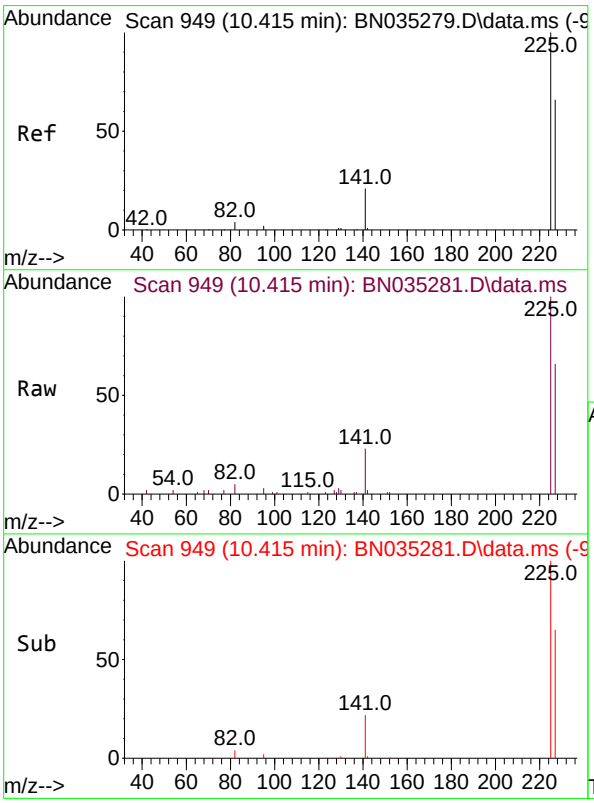
#9
Naphthalene
Concen: 1.761 ng
RT: 10.116 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:128 Resp: 22419

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.6	14.4
127	13.4	11.3	16.9

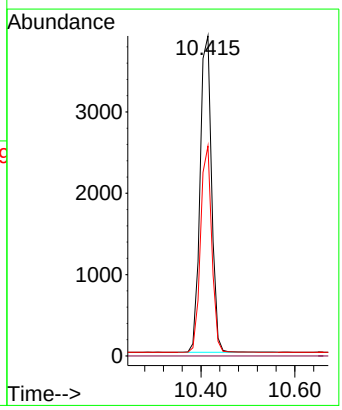


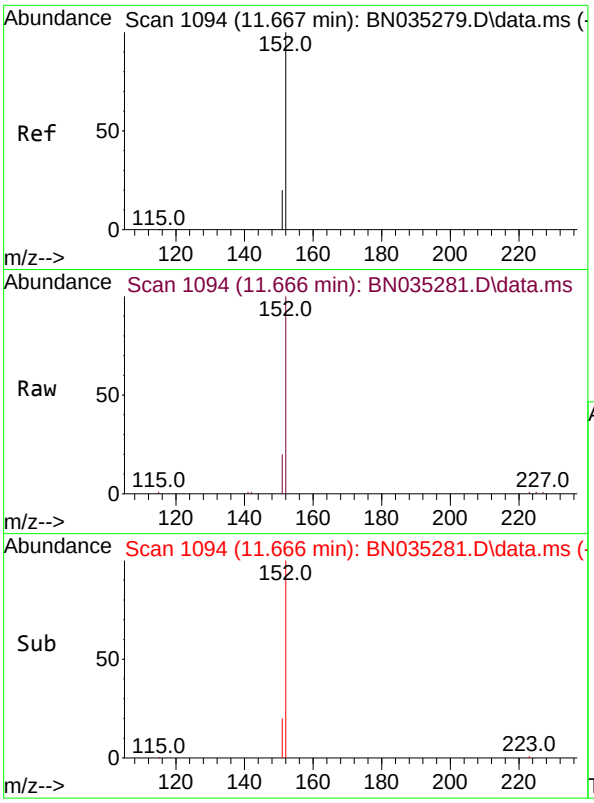


#10
Hexachlorobutadiene
Concen: 1.770 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:225 Resp: 6605

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.3	76.9



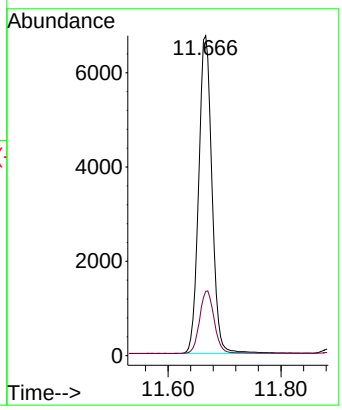


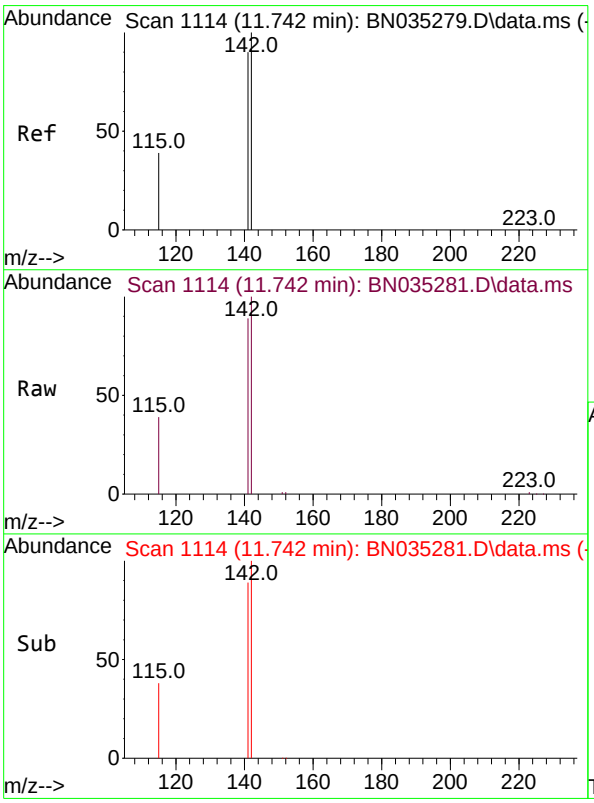
#11
2-Methylnaphthalene-d10
Concen: 1.270 ng
RT: 11.666 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 11029

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.2	25.8

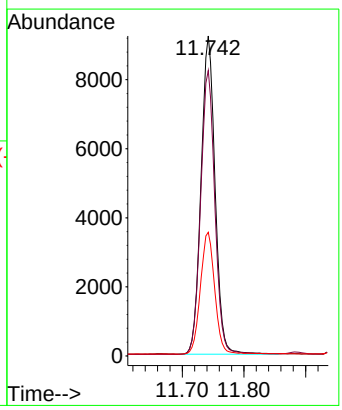


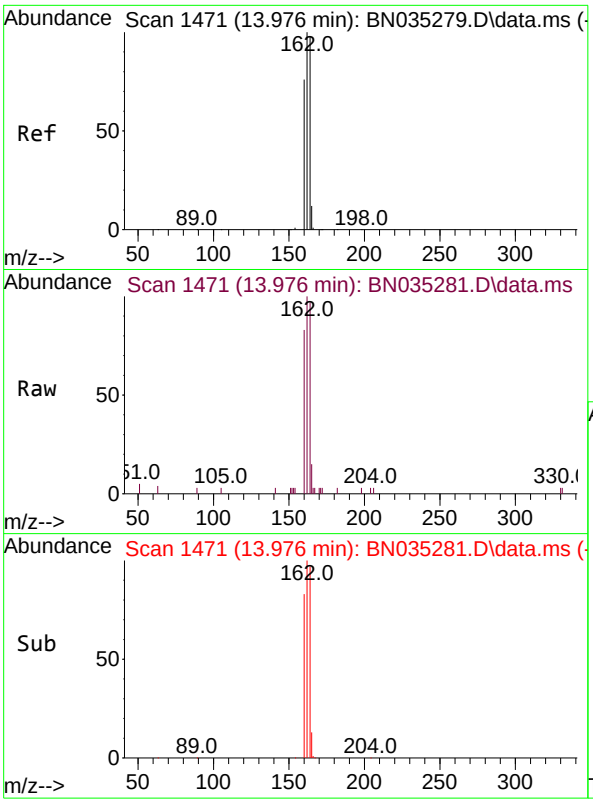


#12
2-Methylnaphthalene
Concen: 1.553 ng
RT: 11.742 min Scan# 1114
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:142 Resp: 14579

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.8	107.8
115	38.7	32.6	49.0



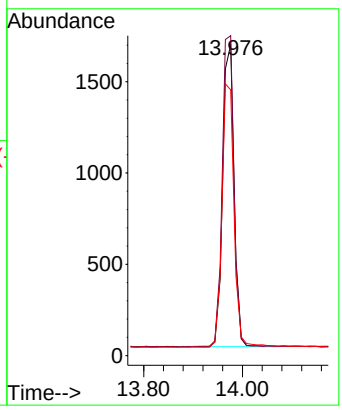


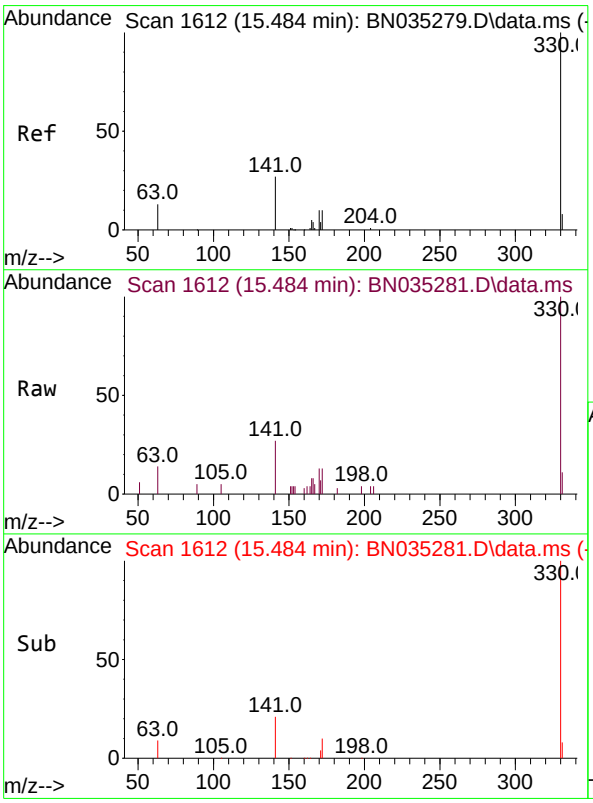
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:164 Resp: 2647

Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.0	123.0
160	85.4	63.0	94.4

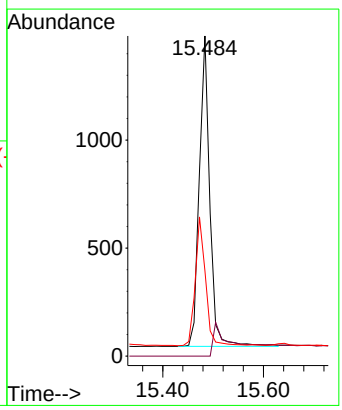


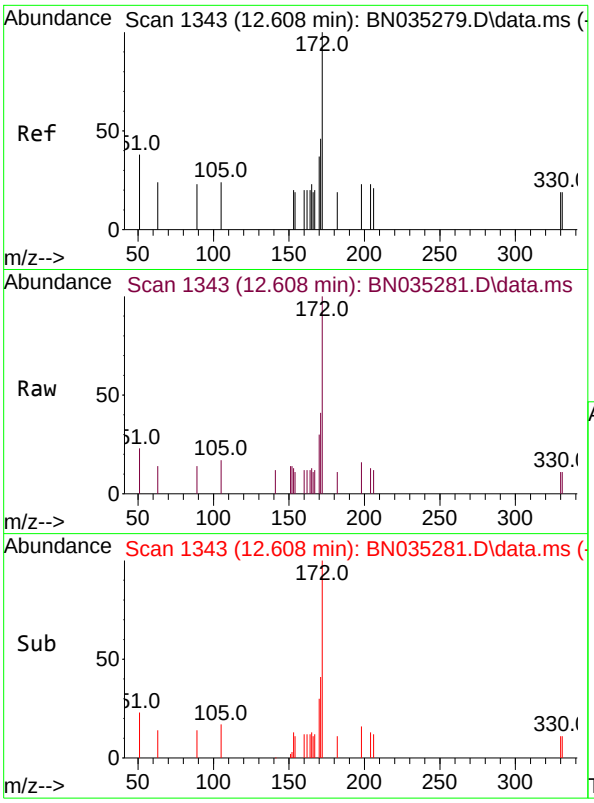


#14
2,4,6-Tribromophenol
Concen: 1.178 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:330 Resp: 2250

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.6	32.4	48.6



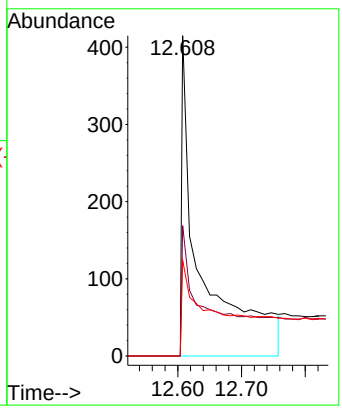


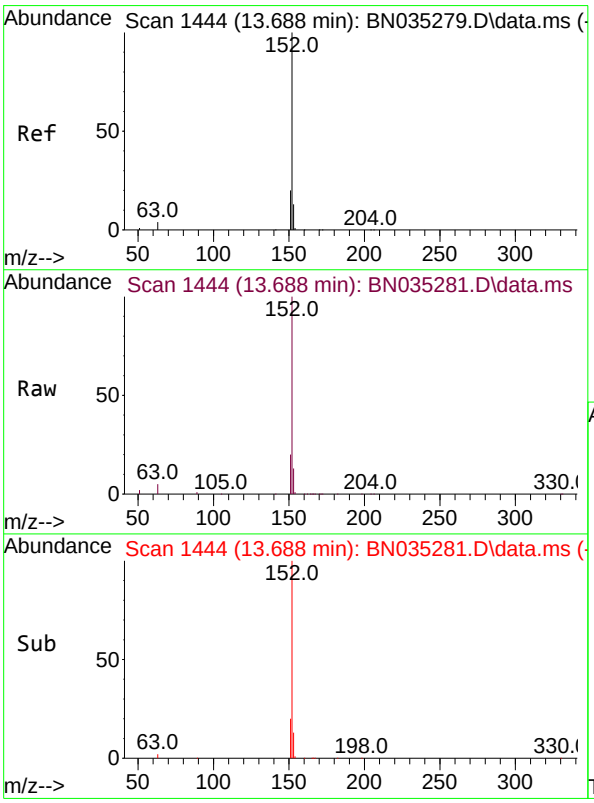
#15
2-Fluorobiphenyl
Concen: 0.081 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:172 Resp: 871

Ion	Ratio	Lower	Upper
172	100		
171	40.7	36.6	55.0
170	29.9	29.7	44.5

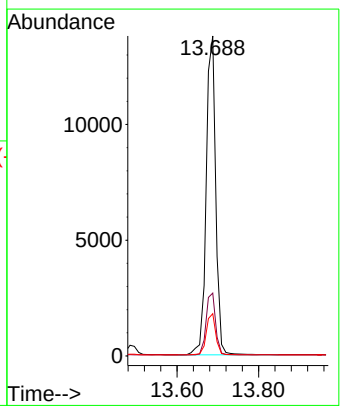


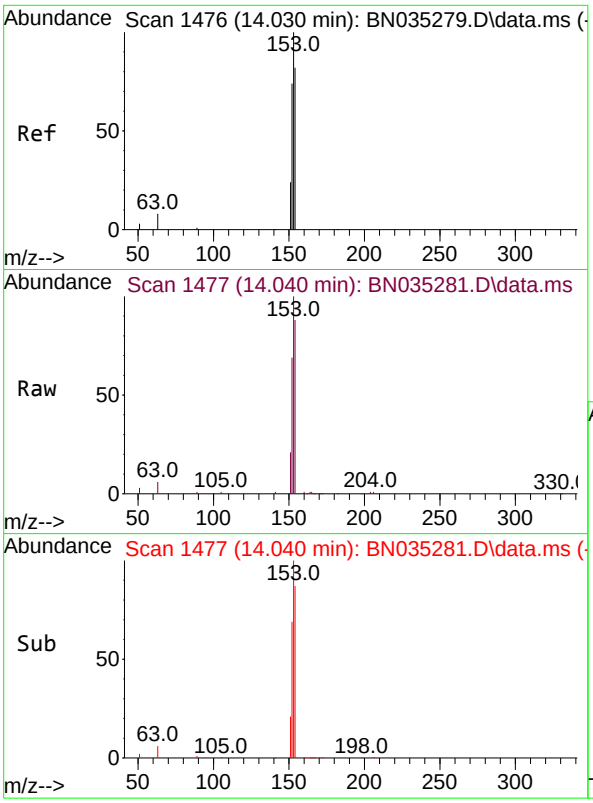


#16
Acenaphthylene
Concen: 1.982 ng
RT: 13.688 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:152 Resp: 22416

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.9	23.9
153	12.9	10.2	15.4



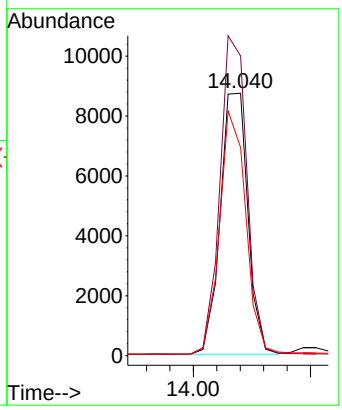


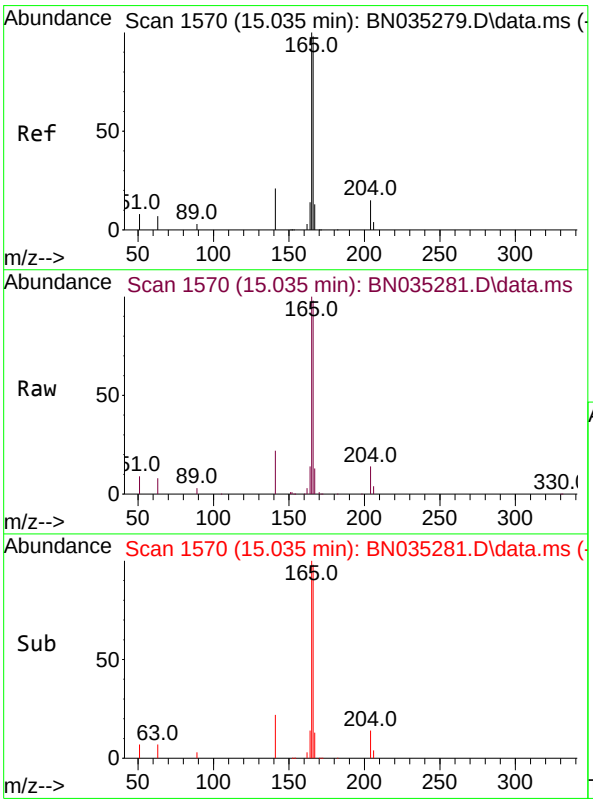
#17
Acenaphthene
Concen: 1.915 ng
RT: 14.040 min Scan# 14
Delta R.T. 0.010 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:154 Resp: 14198

Ion	Ratio	Lower	Upper
154	100		
153	119.8	96.1	144.1
152	90.0	72.2	108.2

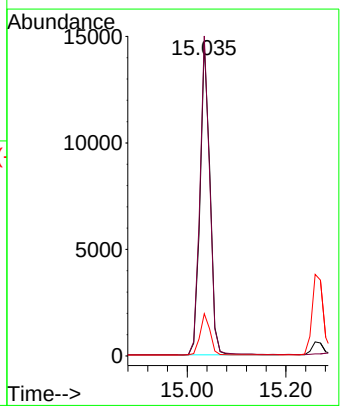


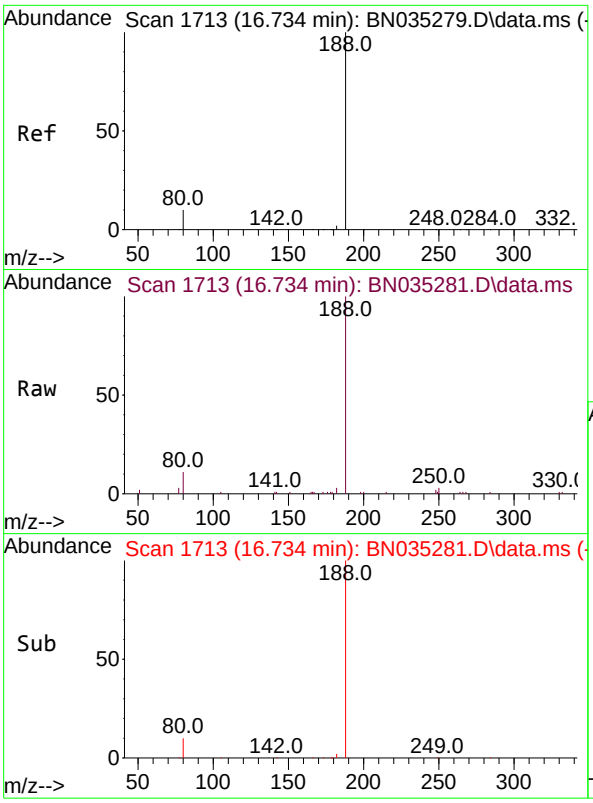


#18
Fluorene
Concen: 1.852 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:166 Resp: 20193

Ion	Ratio	Lower	Upper
166	100		
165	102.0	81.2	121.8
167	13.5	10.5	15.7



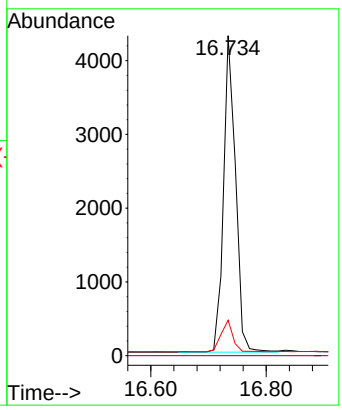


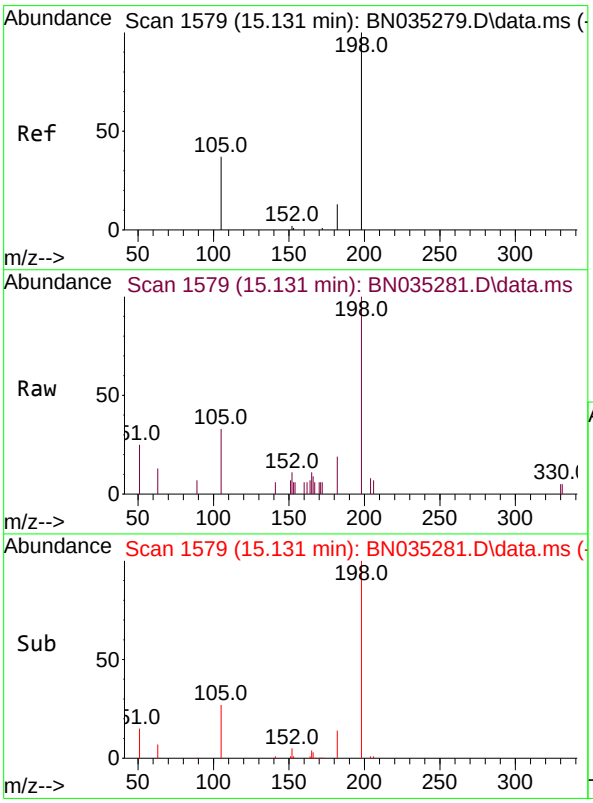
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:188 Resp: 6226

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.1	8.9	13.3

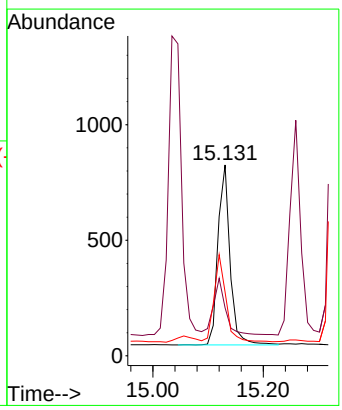


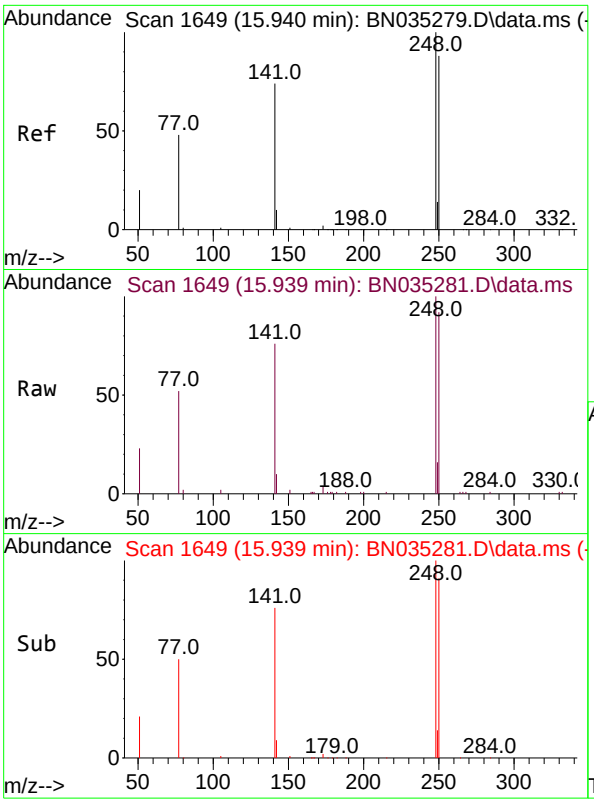


#20
4,6-Dinitro-2-methylphenol
Concen: 0.917 ng
RT: 15.131 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:198 Resp: 1188

Ion	Ratio	Lower	Upper
198	100		
51	25.2	53.6	80.4#
105	33.4	47.4	71.2#



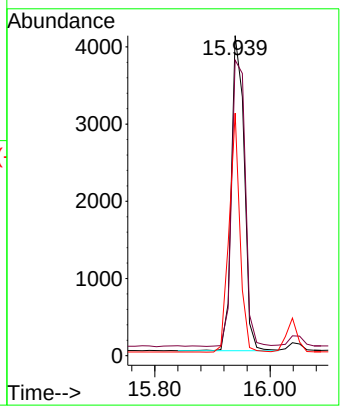


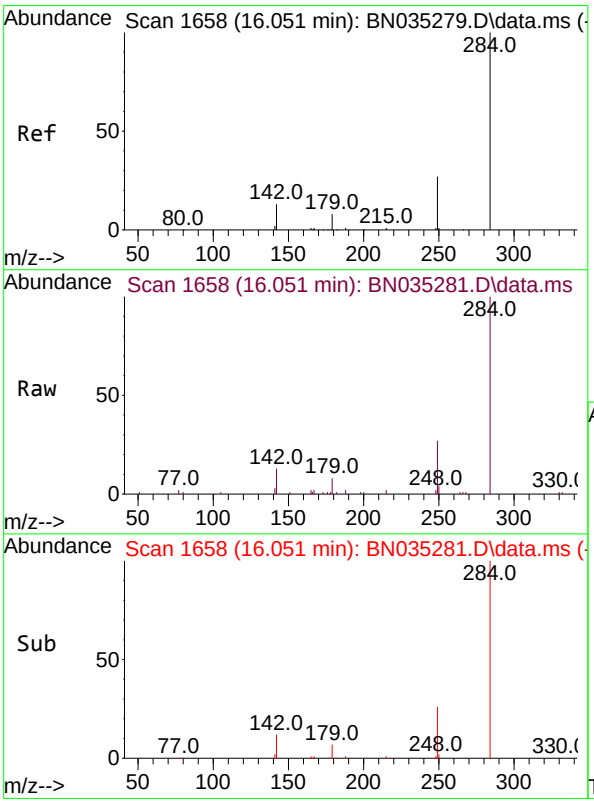
#21
4-Bromophenyl-phenylether
Concen: 1.585 ng
RT: 15.939 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:248 Resp: 6288

Ion	Ratio	Lower	Upper
248	100		
250	92.4	74.8	112.2
141	75.8	59.0	88.4

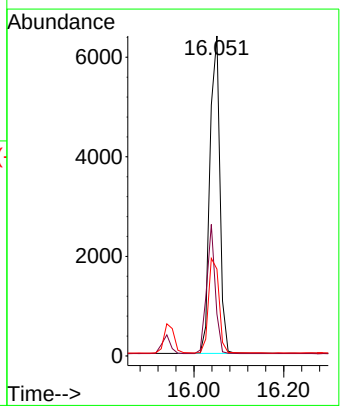


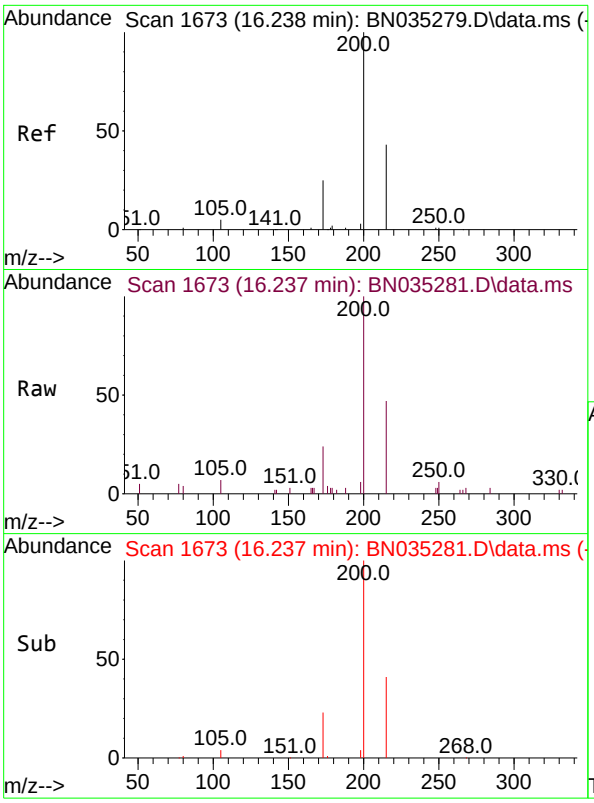


#22
Hexachlorobenzene
Concen: 2.364 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:284 Resp: 9730

Ion	Ratio	Lower	Upper
284	100		
142	35.4	28.7	43.1
249	31.4	25.4	38.0



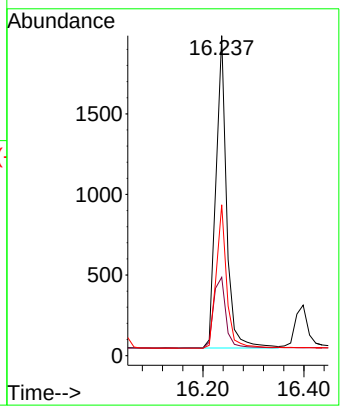


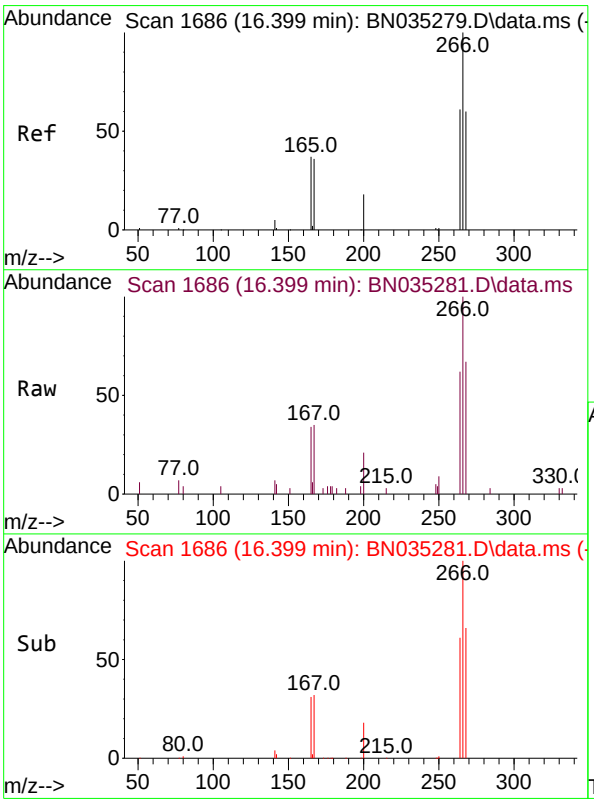
#23
Atrazine
Concen: 0.796 ng
RT: 16.237 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:200 Resp: 2833

Ion	Ratio	Lower	Upper
200	100		
173	24.5	25.8	38.8#
215	47.2	38.6	58.0

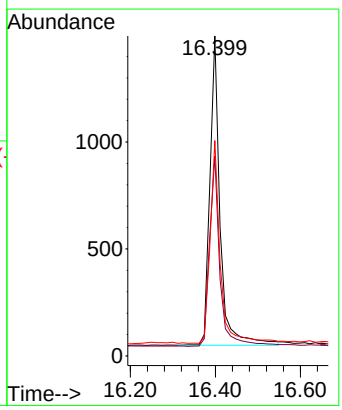


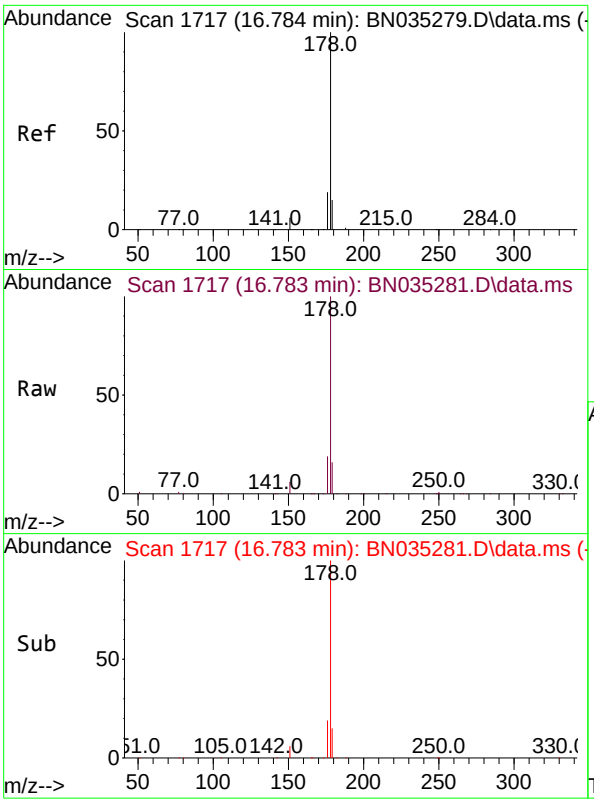


#24
Pentachlorophenol
Concen: 1.255 ng
RT: 16.399 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:266 Resp: 2413

Ion	Ratio	Lower	Upper
266	100		
264	62.3	49.3	73.9
268	65.1	48.6	73.0



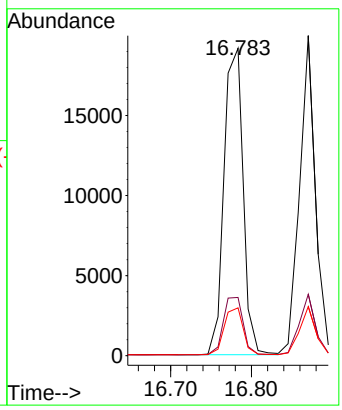


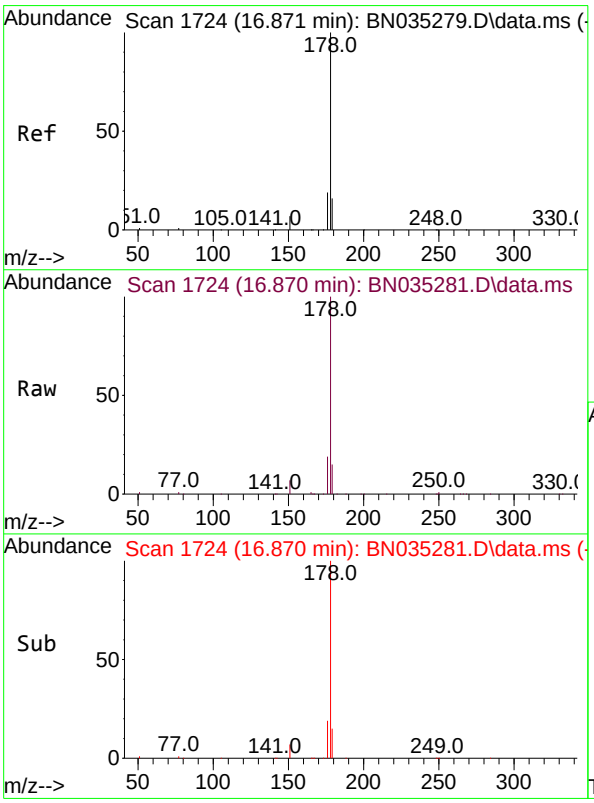
#25
Phenanthrene
Concen: 1.932 ng
RT: 16.783 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:178 Resp: 31649

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.3	12.6	18.8

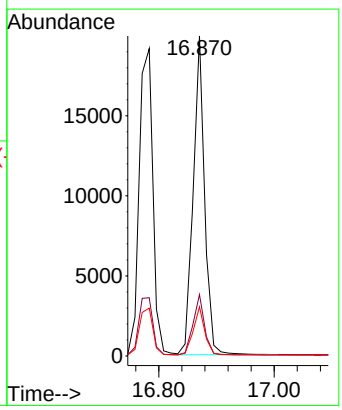


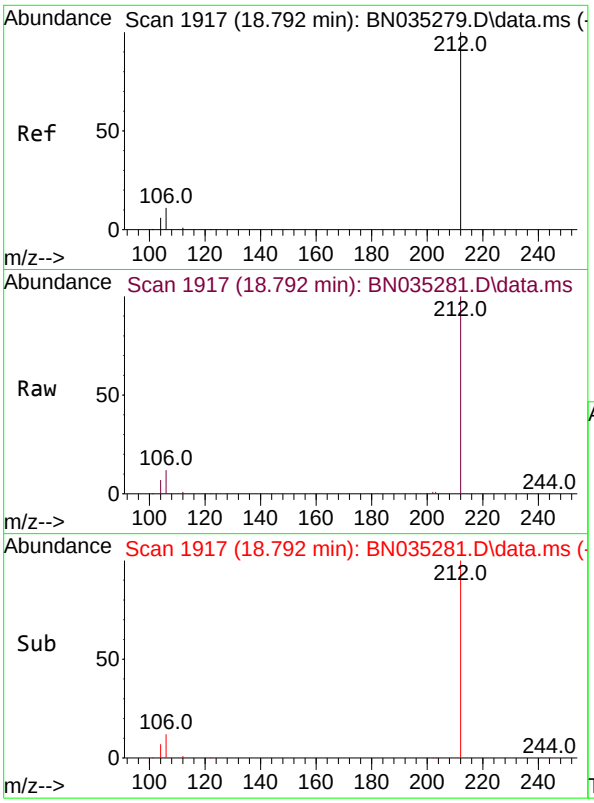


#26
Anthracene
Concen: 1.820 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:178 Resp: 27397

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	15.3	12.4	18.6



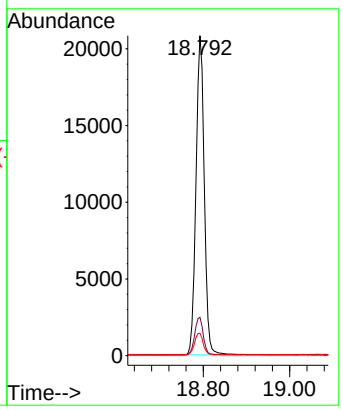


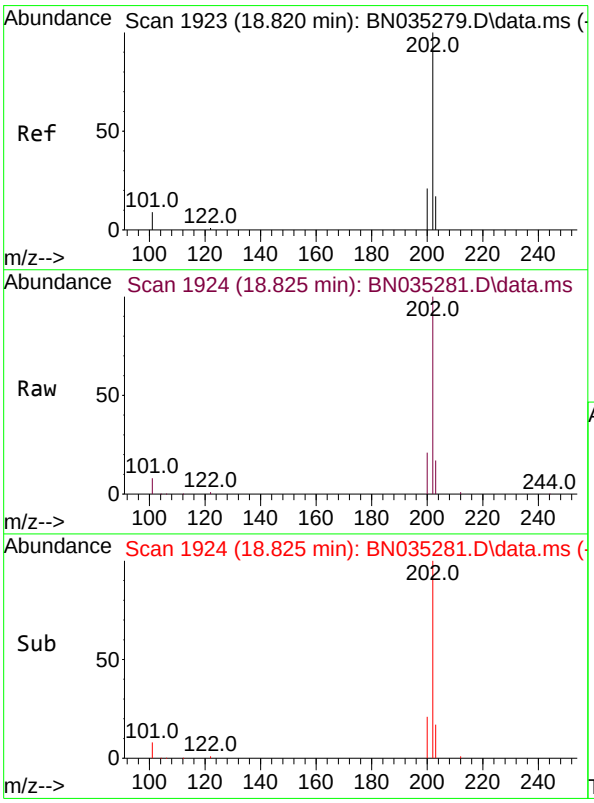
#27
Fluoranthene-d10
Concen: 1.462 ng
RT: 18.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:212 Resp: 27881

Ion	Ratio	Lower	Upper
212	100		
106	12.1	9.8	14.8
104	7.0	5.6	8.4

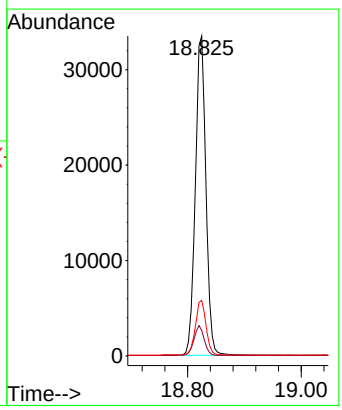


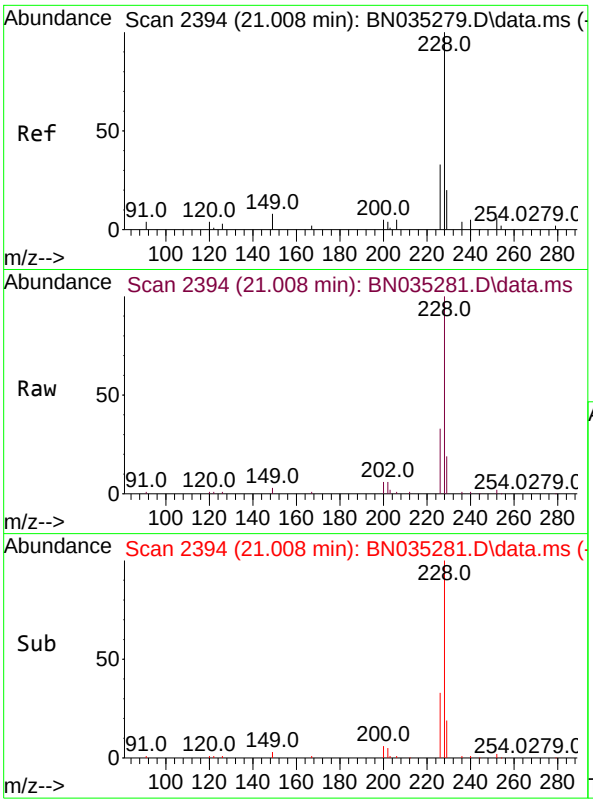


#28
Fluoranthene
Concen: 1.914 ng
RT: 18.825 min Scan# 1924
Delta R.T. 0.004 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:202 Resp: 43133

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.6	11.4
203	17.1	13.8	20.8



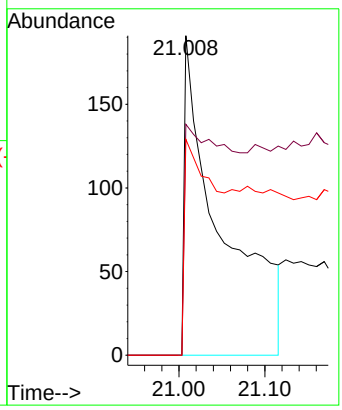


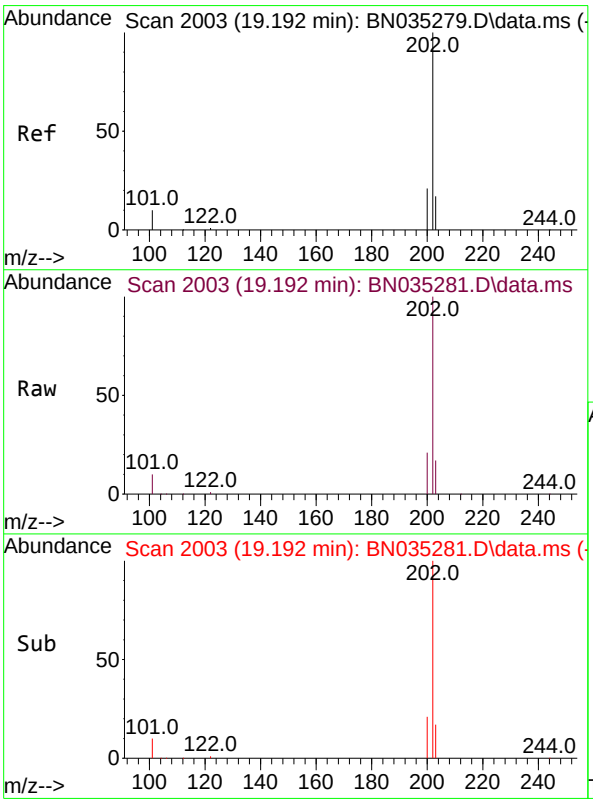
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:240 Resp: 542

Ion	Ratio	Lower	Upper
240	100		
120	72.3	54.9	82.3
236	67.5	54.0	81.0

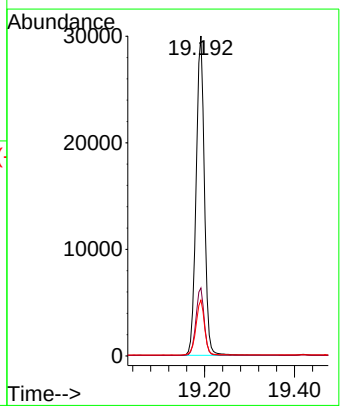


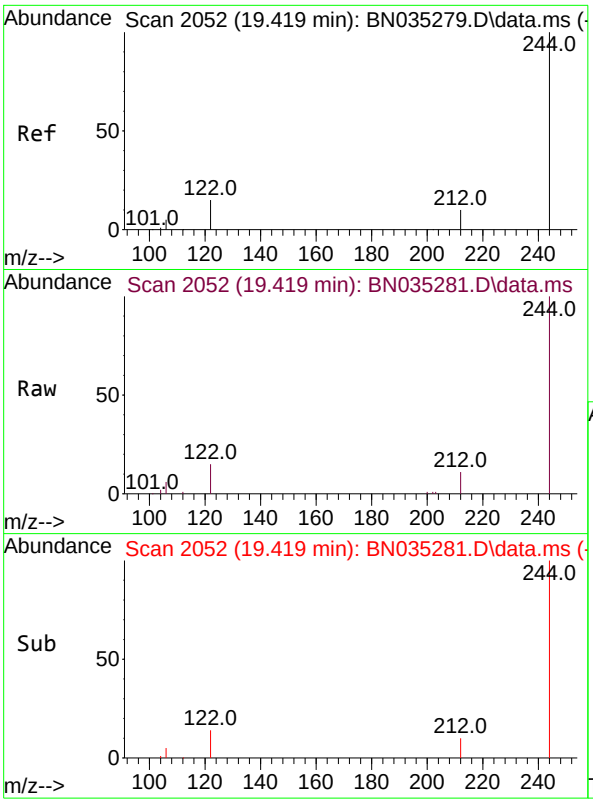


#30
Pyrene
Concen: 21.370 ng
RT: 19.192 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:202 Resp: 38572

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.7	14.4	21.6



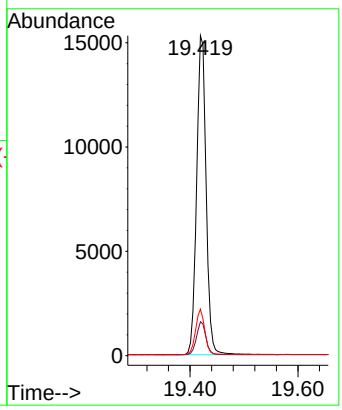


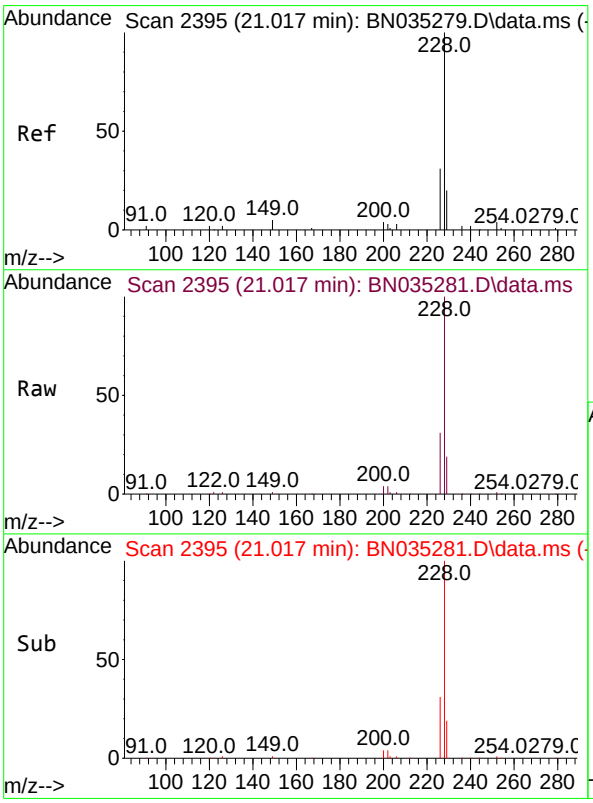
#31
Terphenyl-d14
Concen: 16.424 ng
RT: 19.419 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:244 Resp: 18679

Ion	Ratio	Lower	Upper
244	100		
212	10.6	9.4	14.0
122	14.6	13.0	19.4

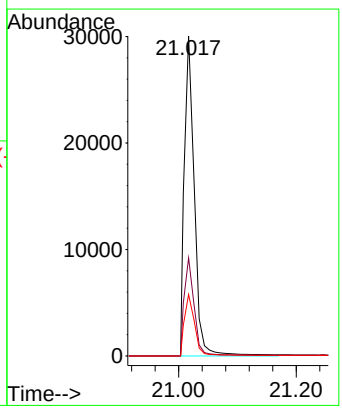


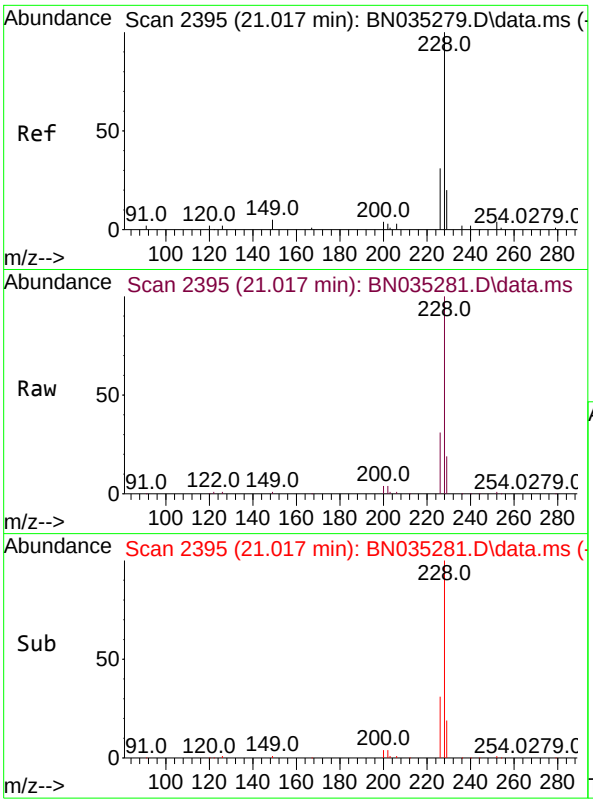


#32
Benzo(a)anthracene
Concen: 18.849 ng
RT: 21.017 min Scan# 2395
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:228 Resp: 35573

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	19.2	16.2	24.2



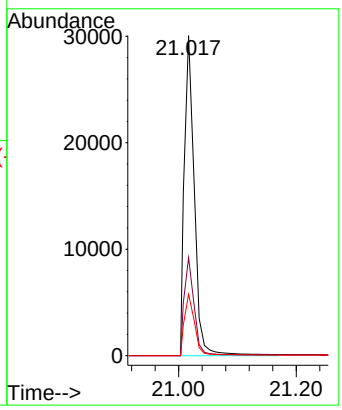


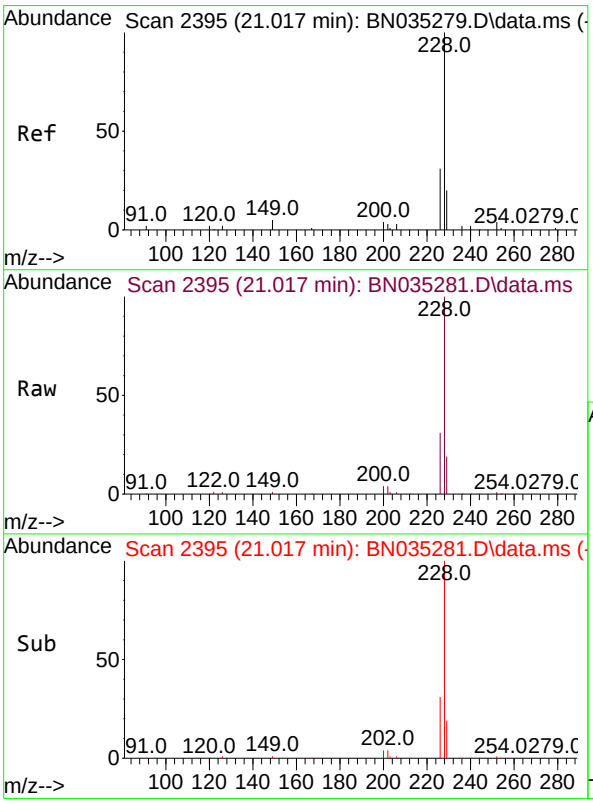
#33
Chrysene
Concen: 19.028 ng
RT: 21.017 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:228 Resp: 35573

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	19.2	16.2	24.2

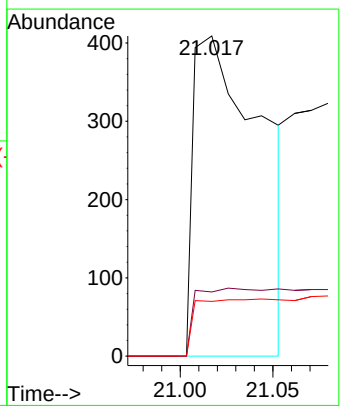


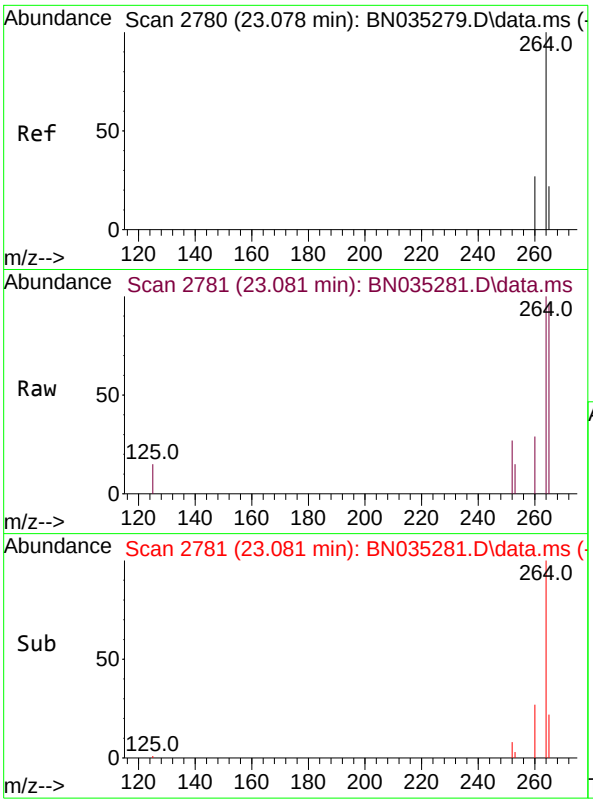


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.955 ng
RT: 21.017 min Scan# 2395
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:149 Resp: 946

Ion	Ratio	Lower	Upper
149	100		
167	20.1	0.0	0.0#
279	0.0	13.0	19.6#



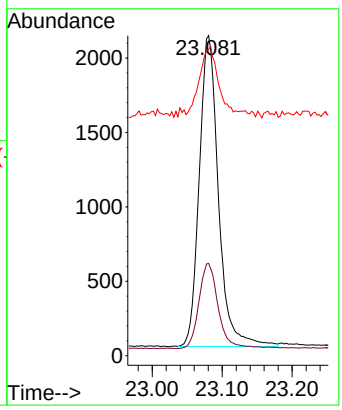


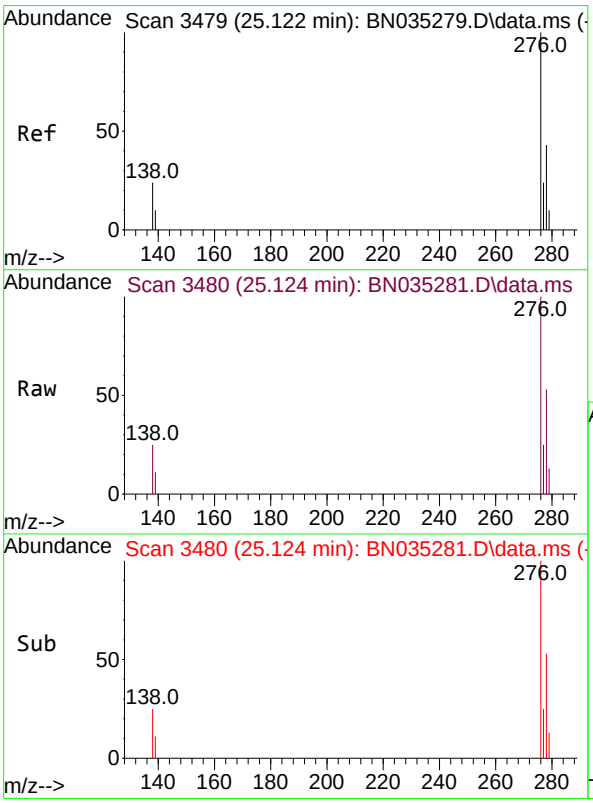
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.081 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:264 Resp: 3989

Ion	Ratio	Lower	Upper
264	100		
260	28.8	22.3	33.5
265	95.7	68.6	103.0

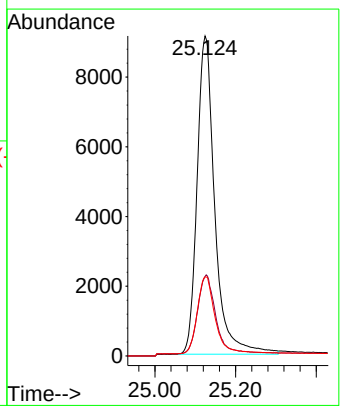


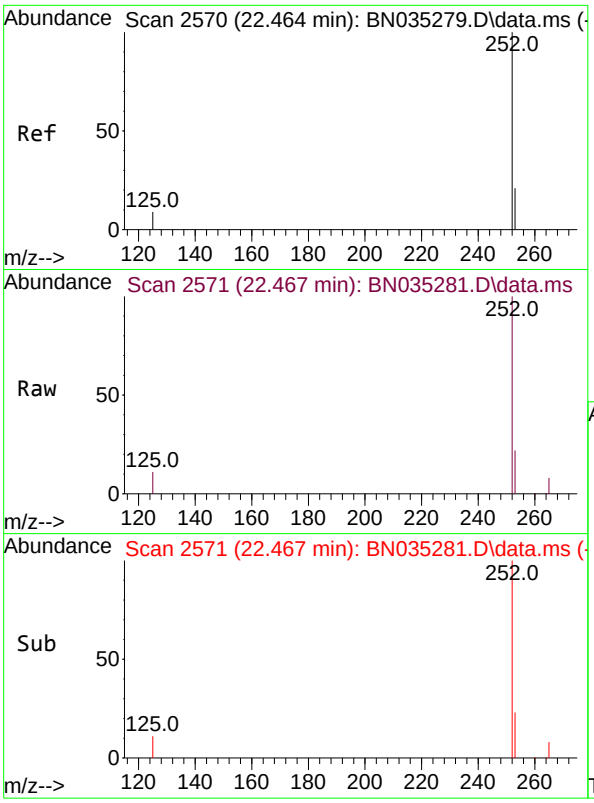


#36
Indeno(1,2,3-cd)pyrene
Concen: 1.749 ng
RT: 25.124 min Scan# 3480
Delta R.T. 0.003 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:276 Resp: 27825

Ion	Ratio	Lower	Upper
276	100		
138	24.8	18.8	28.2
277	24.3	18.2	27.4



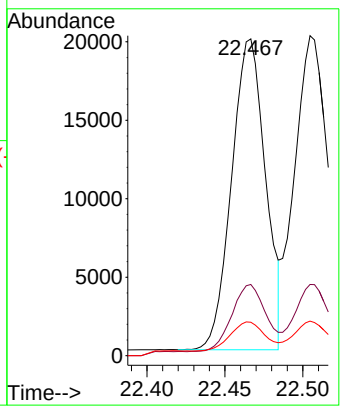


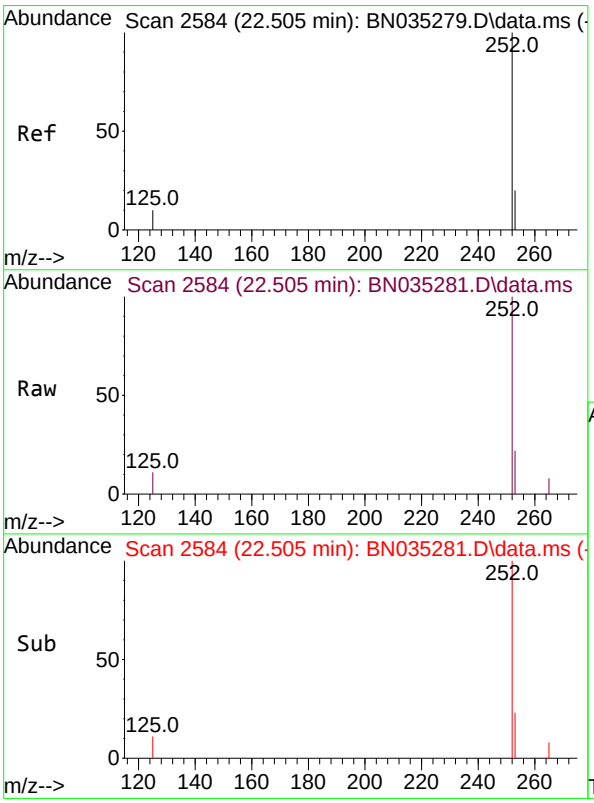
#37
Benzo(b)fluoranthene
Concen: 2.232 ng
RT: 22.467 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 29950

Ion	Ratio	Lower	Upper
252	100		
253	22.5	20.2	30.2
125	10.6	12.0	18.0#

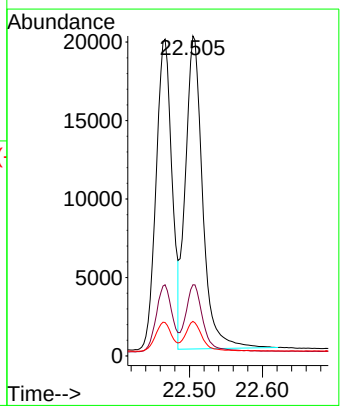


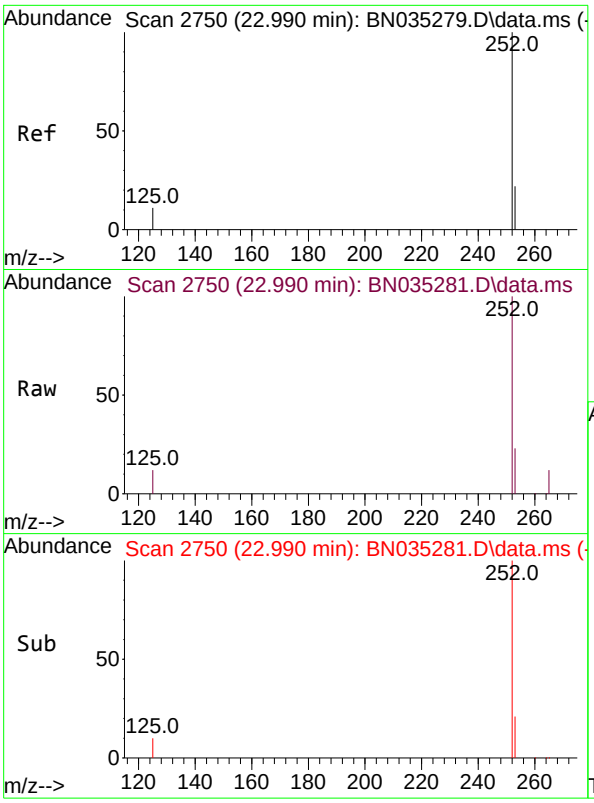


#38
Benzo(k)fluoranthene
Concen: 2.434 ng
RT: 22.505 min Scan# 2584
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:252 Resp: 32689

Ion	Ratio	Lower	Upper
252	100		
253	22.2	20.1	30.1
125	10.8	12.7	19.1#



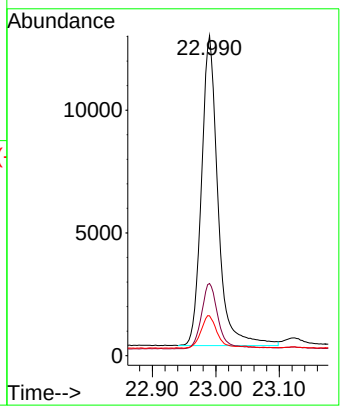


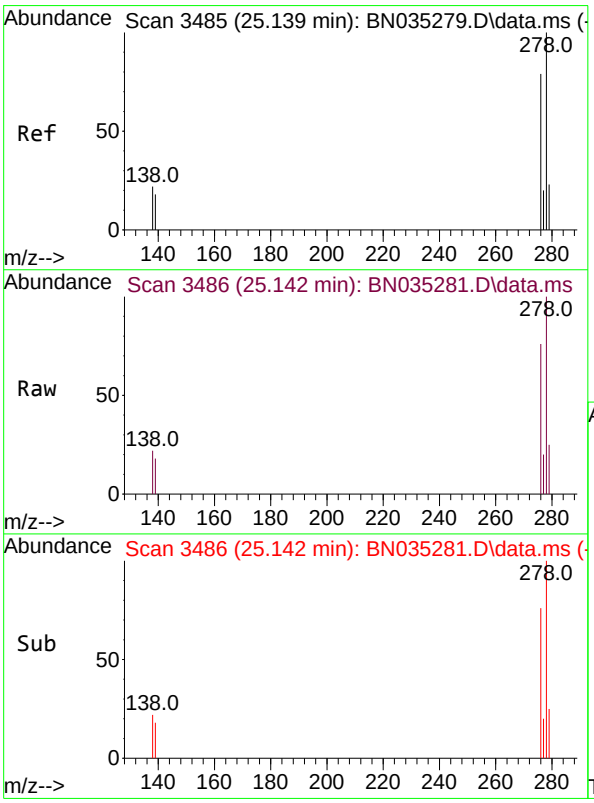
#39
Benzo(a)pyrene
Concen: 1.929 ng
RT: 22.990 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 22785

Ion	Ratio	Lower	Upper
252	100		
253	22.5	22.3	33.5
125	12.5	15.3	22.9#

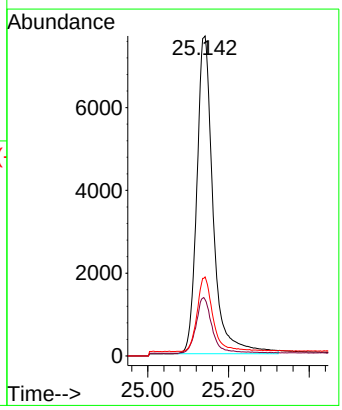


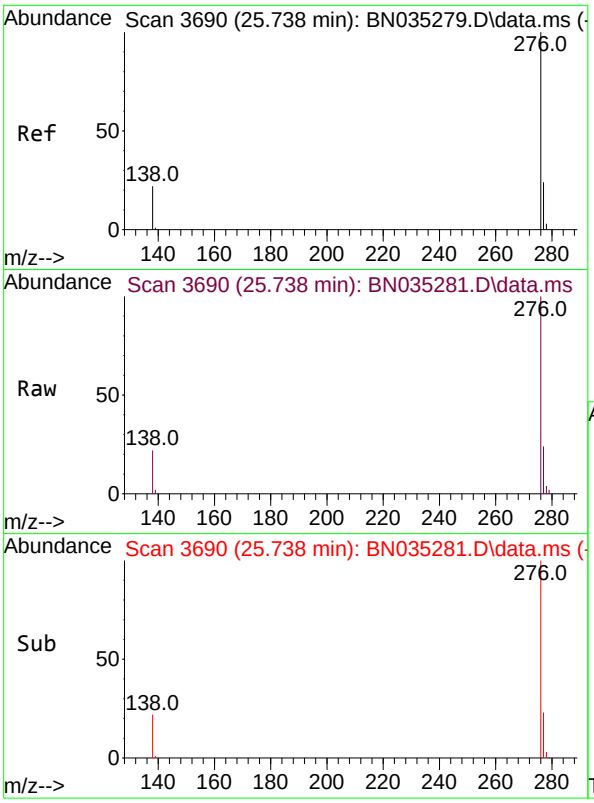


#40
Dibenzo(a,h)anthracene
Concen: 1.712 ng
RT: 25.142 min Scan# 3486
Delta R.T. 0.003 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Tgt Ion:278 Resp: 21588

Ion	Ratio	Lower	Upper
278	100		
139	17.6	17.0	25.6
279	24.7	23.0	34.4



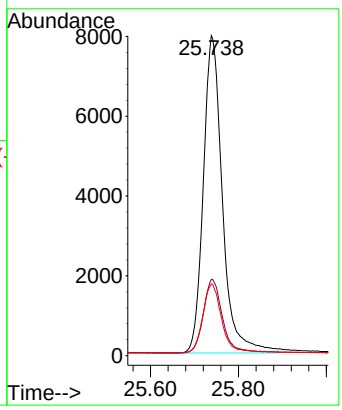


#41
Benzo(g,h,i)perylene
Concen: 1.794 ng
RT: 25.738 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN035281.D
Acq: 25 Nov 2024 12:40

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 24058

Ion	Ratio	Lower	Upper
276	100		
277	23.8	21.1	31.7
138	22.4	19.8	29.8



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035282.D
Acq On : 25 Nov 2024 13:16
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Nov 25 14:21:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:16:35 2024
Response via : Initial Calibration

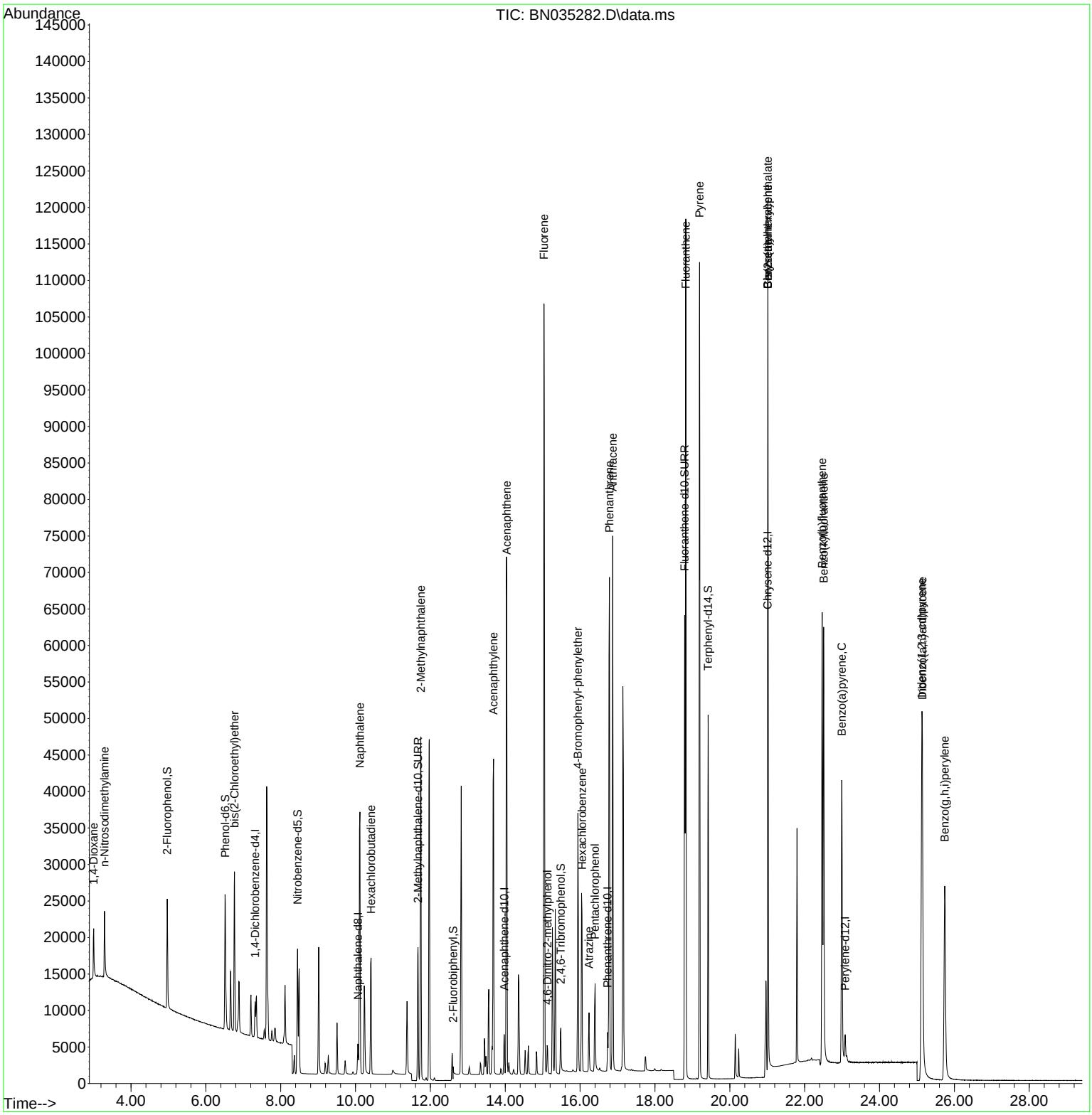
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.315	152	2270	0.400	ng		0.00
7) Naphthalene-d8	10.063	136	5138	0.400	ng		0.00
13) Acenaphthene-d10	13.976	164	2927	0.400	ng		0.00
19) Phenanthrene-d10	16.734	188	6761	0.400	ng		0.00
29) Chrysene-d12	21.008	240	721	0.400	ng		0.00
35) Perylene-d12	23.081	264	4343	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.968	112	12319	2.138	ng		0.00
5) Phenol-d6	6.520	99	17485	2.420	ng		0.00
8) Nitrobenzene-d5	8.450	82	14309	3.199	ng		0.00
11) 2-Methylnaphthalene-d10	11.667	152	23828	2.602	ng		0.00
14) 2,4,6-Tribromophenol	15.484	330	5391	2.553	ng		0.00
15) 2-Fluorobiphenyl	12.608	172	1139	0.096	ng		0.00
27) Fluoranthene-d10	18.792	212	66182	3.195	ng		0.00
31) Terphenyl-d14	19.419	244	44092	29.144	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.003	88	4753	2.305	ng	#	77
3) n-Nitrosodimethylamine	3.292	42	5433	2.827	ng	#	85
6) bis(2-Chloroethyl)ether	6.766	93	15869	2.926	ng		100
9) Naphthalene	10.116	128	46866	3.494	ng		98
10) Hexachlorobutadiene	10.415	225	13571	3.452	ng	#	99
12) 2-Methylnaphthalene	11.742	142	32151	3.249	ng		98
16) Acenaphthylene	13.688	152	50280	4.019	ng		99
17) Acenaphthene	14.040	154	32466	3.960	ng		96
18) Fluorene	15.035	166	46490	3.855	ng		99
20) 4,6-Dinitro-2-methylph...	15.131	198	3008	2.137	ng	#	48
21) 4-Bromophenyl-phenylether	15.939	248	14640	3.399	ng		99
22) Hexachlorobenzene	16.051	284	20624	4.614	ng		100
23) Atrazine	16.237	200	6312	1.633	ng	#	92
24) Pentachlorophenol	16.399	266	6031	2.888	ng		97
25) Phenanthrene	16.784	178	73801	4.148	ng		99
26) Anthracene	16.870	178	67705	4.143	ng		100
28) Fluoranthene	18.825	202	102229	4.178	ng		100
30) Pyrene	19.192	202	93180	38.808	ng		99
32) Benzo(a)anthracene	21.017	228	82975	33.051	ng		99
33) Chrysene	21.017	228	82975	33.364	ng		99
34) Bis(2-ethylhexyl)phtha...	21.017	149	1320	1.002	ng	#	84
36) Indeno(1,2,3-cd)pyrene	25.127	276	62075	3.583	ng		97
37) Benzo(b)fluoranthene	22.467	252	69657	4.767	ng	#	91
38) Benzo(k)fluoranthene	22.508	252	72243	4.941	ng	#	91
39) Benzo(a)pyrene	22.990	252	51266	3.987	ng	#	87
40) Dibenzo(a,h)anthracene	25.145	278	48696	3.547	ng		91
41) Benzo(g,h,i)perylene	25.744	276	52706	3.610	ng		94

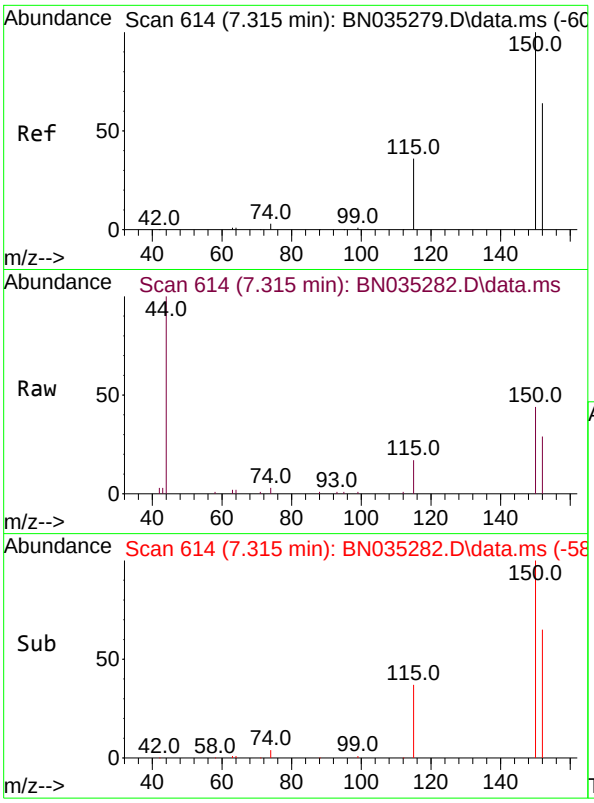
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035282.D
Acq On : 25 Nov 2024 13:16
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Nov 25 14:21:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:16:35 2024
Response via : Initial Calibration



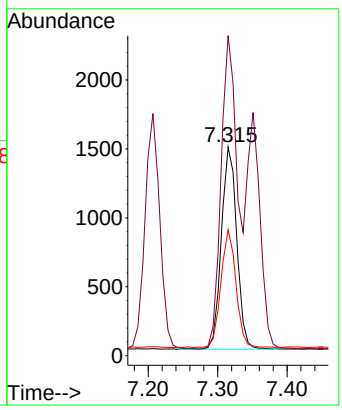


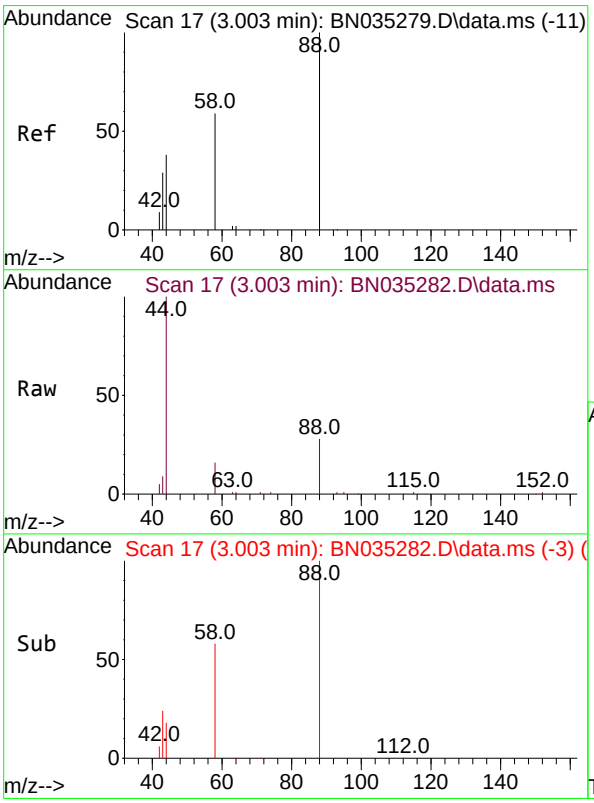
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 2270

Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.5	186.7
115	60.4	47.8	71.8

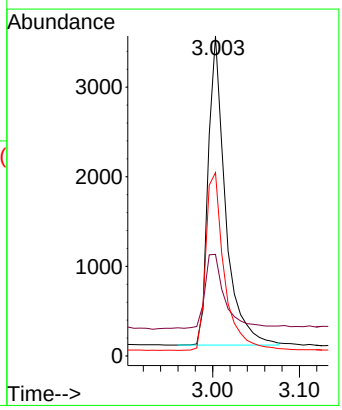


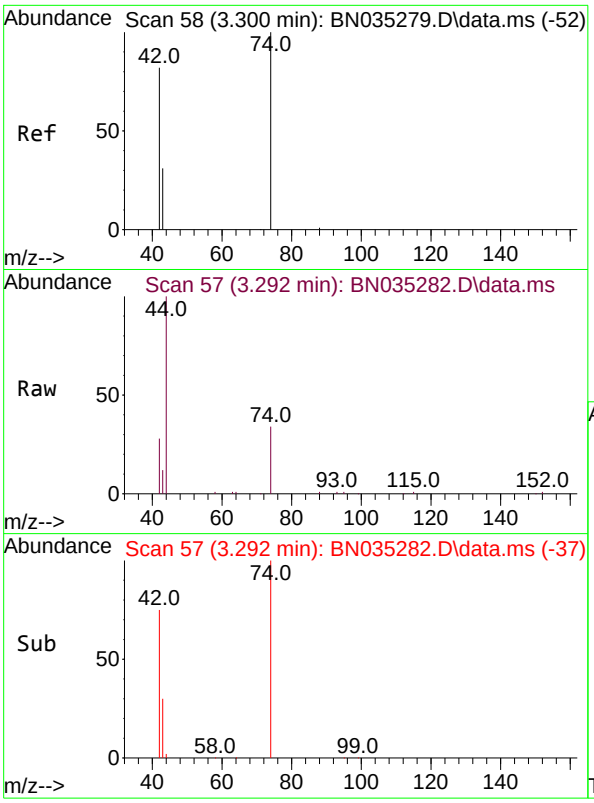


#2
1,4-Dioxane
Concen: 2.305 ng
RT: 3.003 min Scan# 17
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion: 88 Resp: 4753

Ion	Ratio	Lower	Upper
88	100		
43	29.5	48.1	72.1#
58	61.9	46.9	70.3



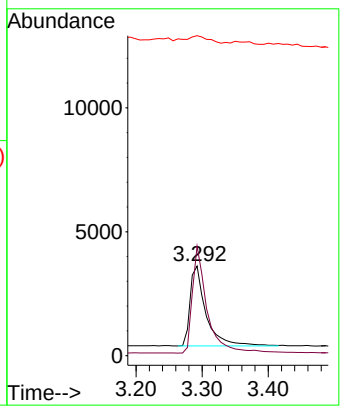


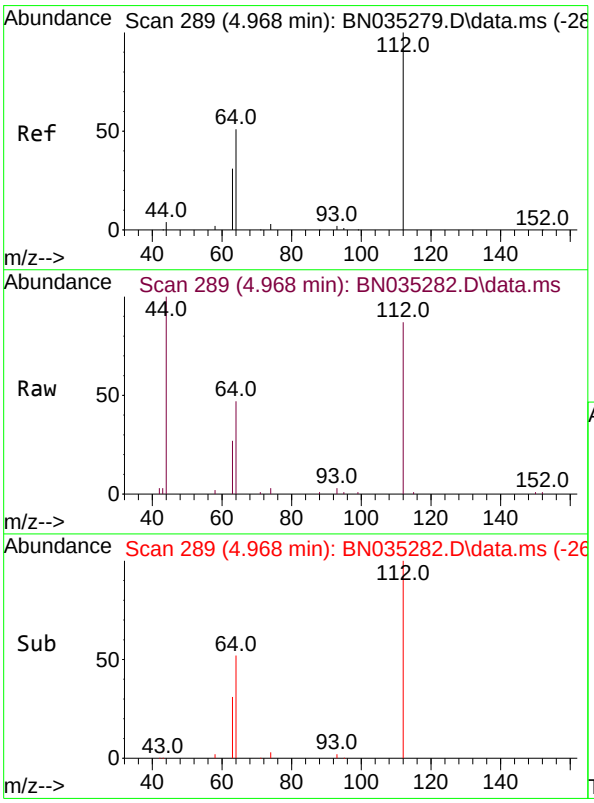
#3
n-Nitrosodimethylamine
Concen: 2.827 ng
RT: 3.292 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 5433

Ion	Ratio	Lower	Upper
42	100		
74	124.6	102.7	154.1
44	9.3	34.1	51.1#

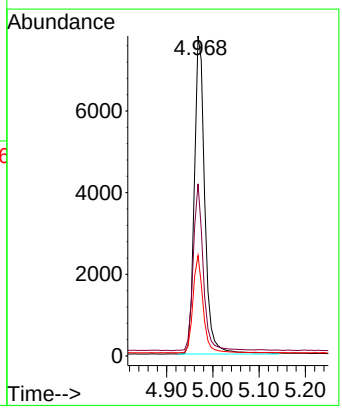


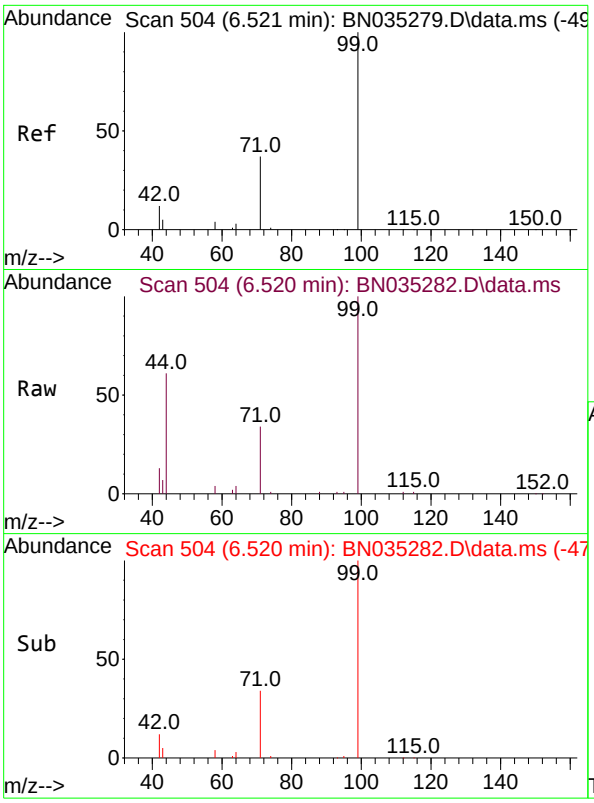


#4
2-Fluorophenol
Concen: 2.138 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:112 Resp: 12319

Ion	Ratio	Lower	Upper
112	100		
64	50.4	40.4	60.6
63	29.7	23.8	35.8



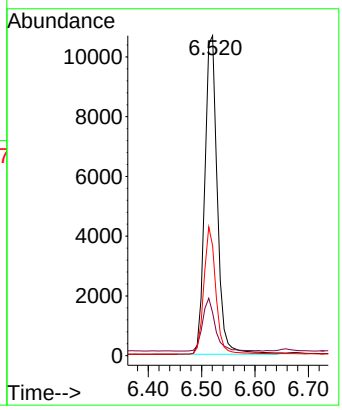


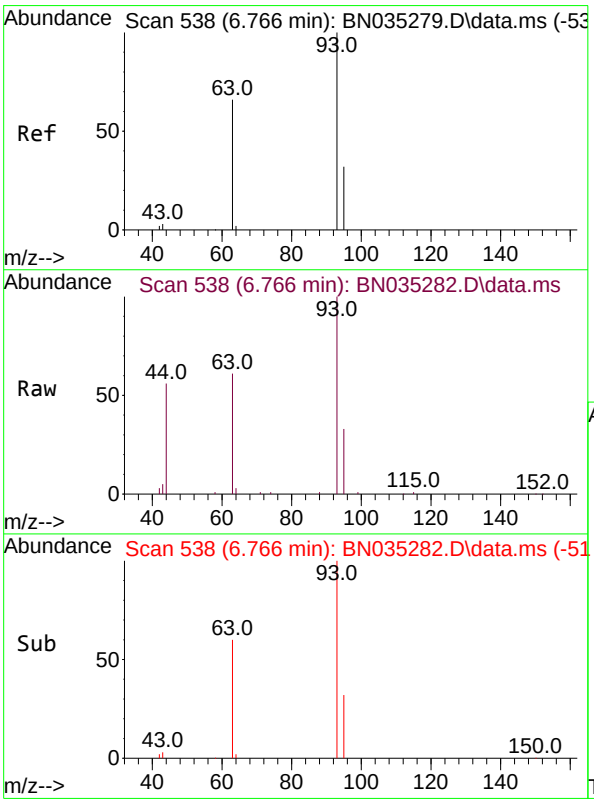
#5
Phenol-d6
Concen: 2.420 ng
RT: 6.520 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 17485

Ion	Ratio	Lower	Upper
99	100		
42	16.7	12.8	19.2
71	38.2	31.4	47.2

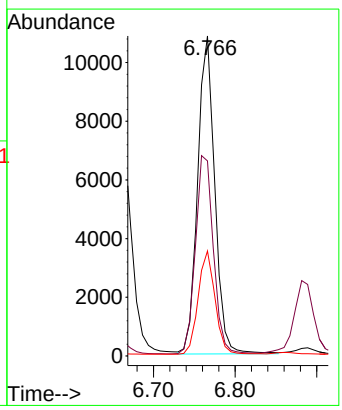


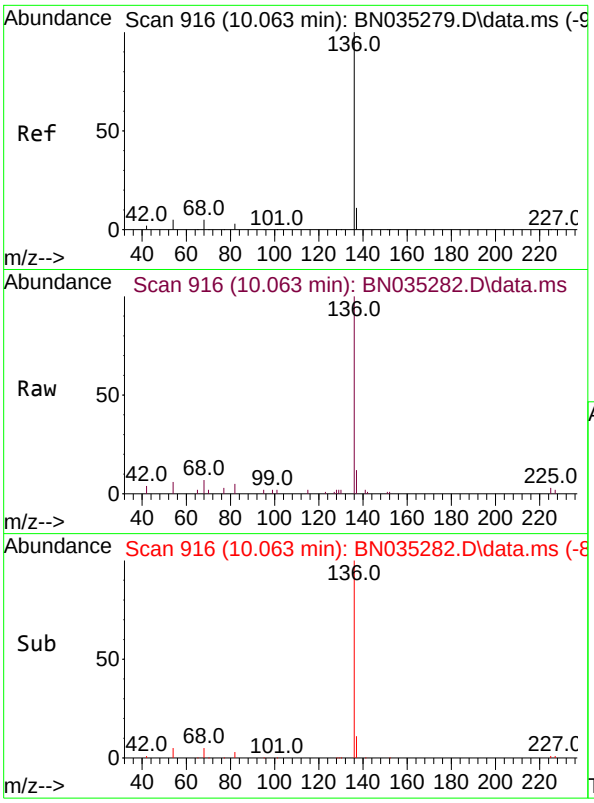


#6
bis(2-Chloroethyl)ether
Concen: 2.926 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion: 93 Resp: 15869

Ion	Ratio	Lower	Upper
93	100		
63	65.4	52.3	78.5
95	32.0	25.5	38.3



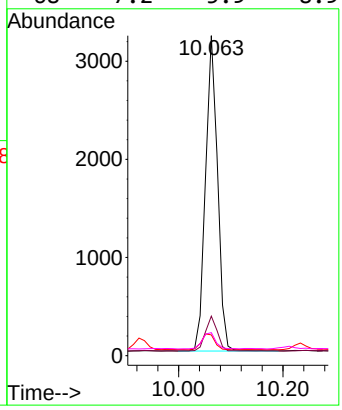


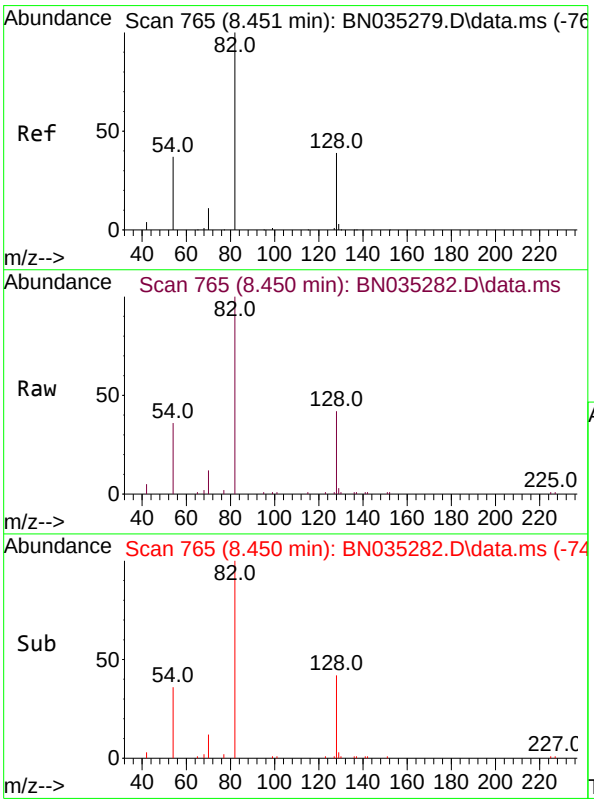
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 5138

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.7	14.5
54	6.5	5.3	7.9
68	7.2	5.9	8.9

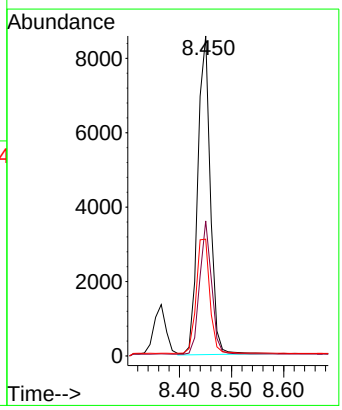


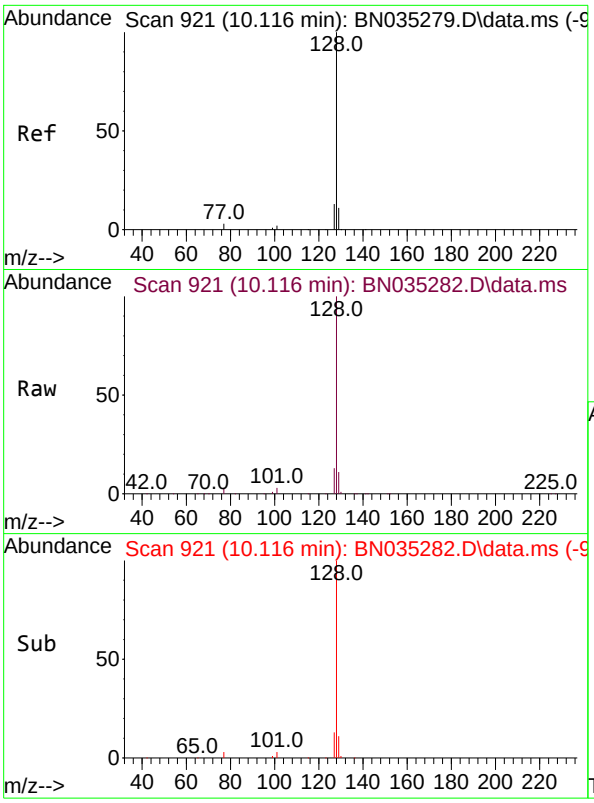


#8
Nitrobenzene-d5
Concen: 3.199 ng
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion: 82 Resp: 14309

Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.0	49.4
54	36.5	33.3	49.9



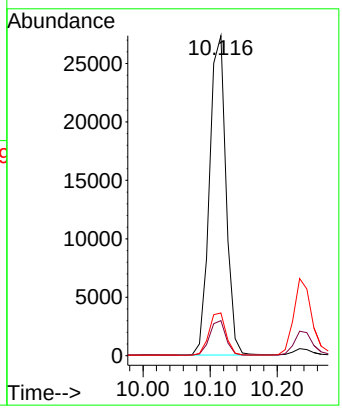


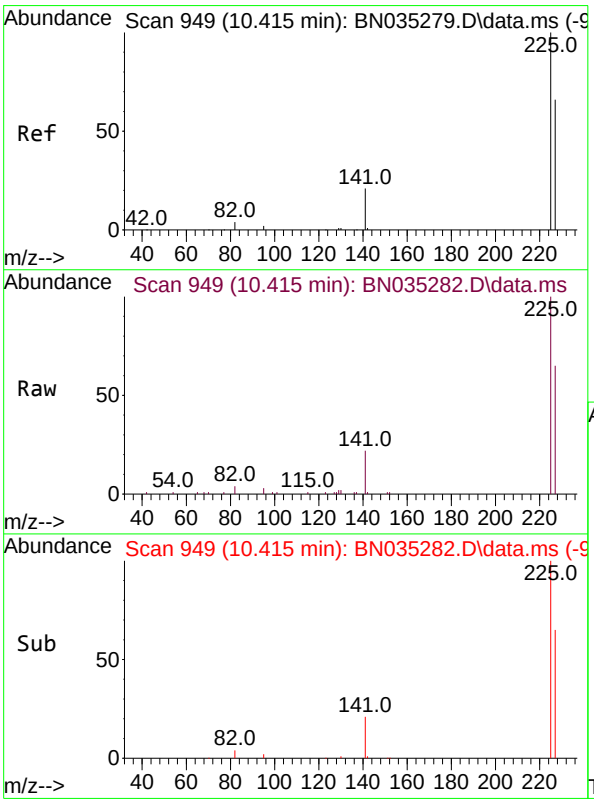
#9
Naphthalene
Concen: 3.494 ng
RT: 10.116 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 46866

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.6	14.4
127	13.4	11.3	16.9

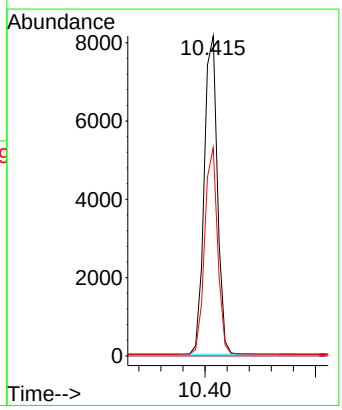


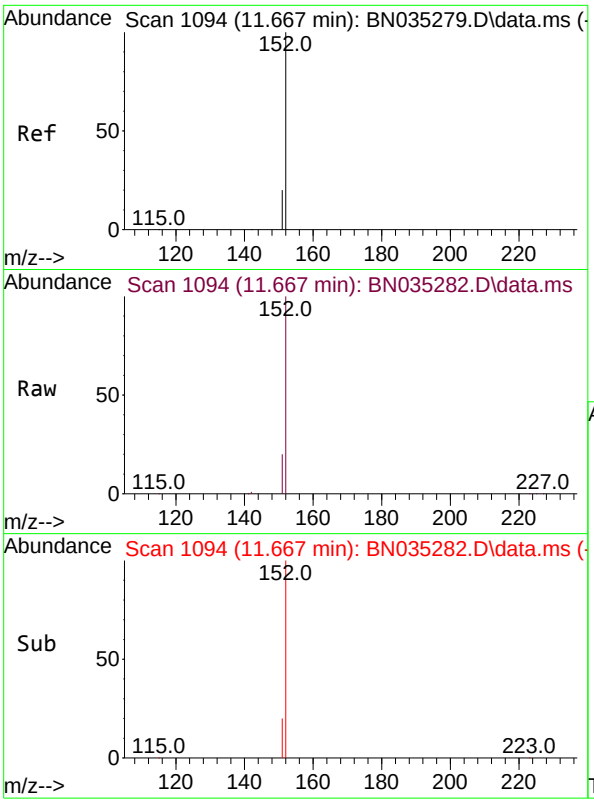


#10
Hexachlorobutadiene
Concen: 3.452 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:225 Resp: 13571

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	51.3	76.9



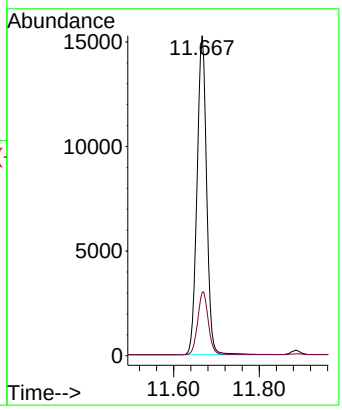


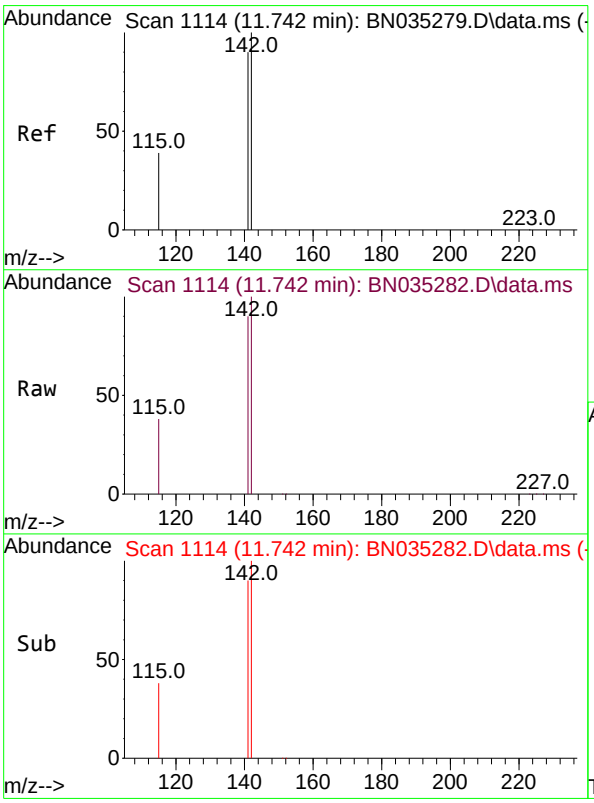
#11
2-Methylnaphthalene-d10
Concen: 2.602 ng
RT: 11.667 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 23828

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.2	25.8

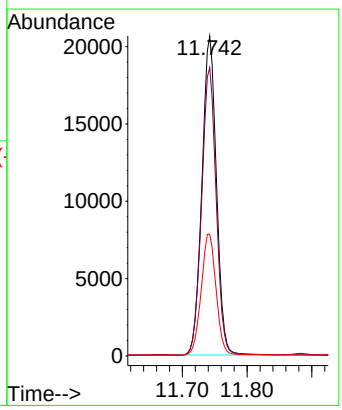


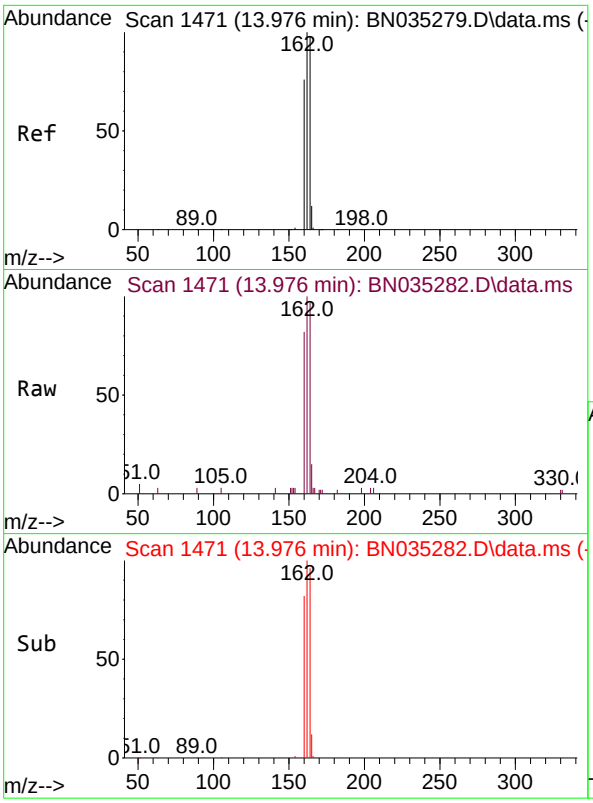


#12
2-Methylnaphthalene
Concen: 3.249 ng
RT: 11.742 min Scan# 1114
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:142 Resp: 32151

Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.8	107.8
115	38.1	32.6	49.0



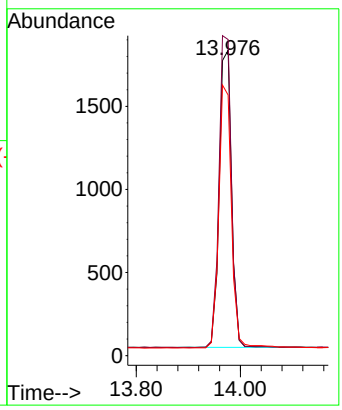


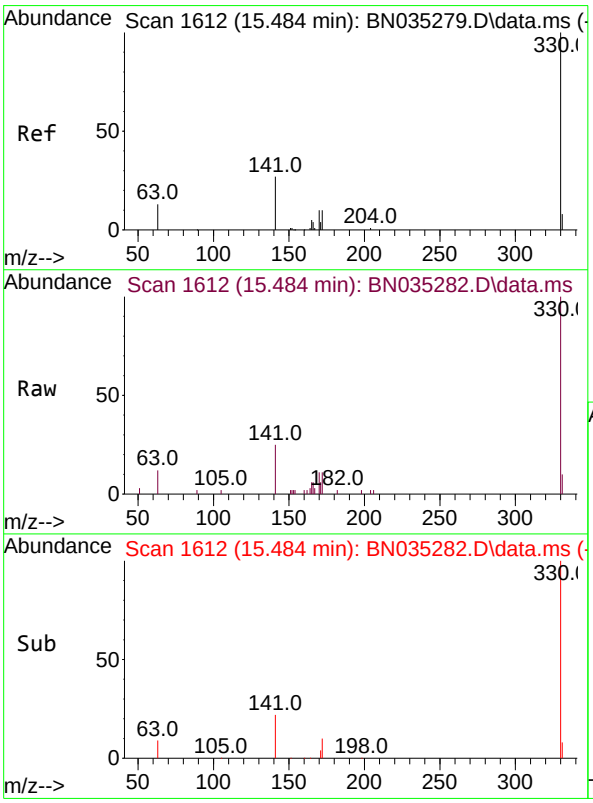
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 2927

Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.0	123.0
160	85.4	63.0	94.4

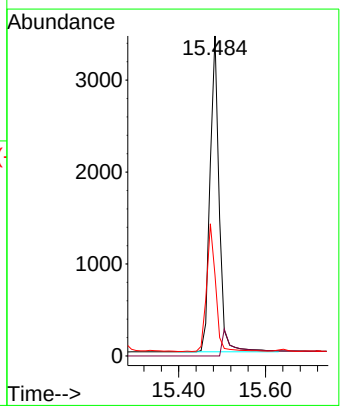


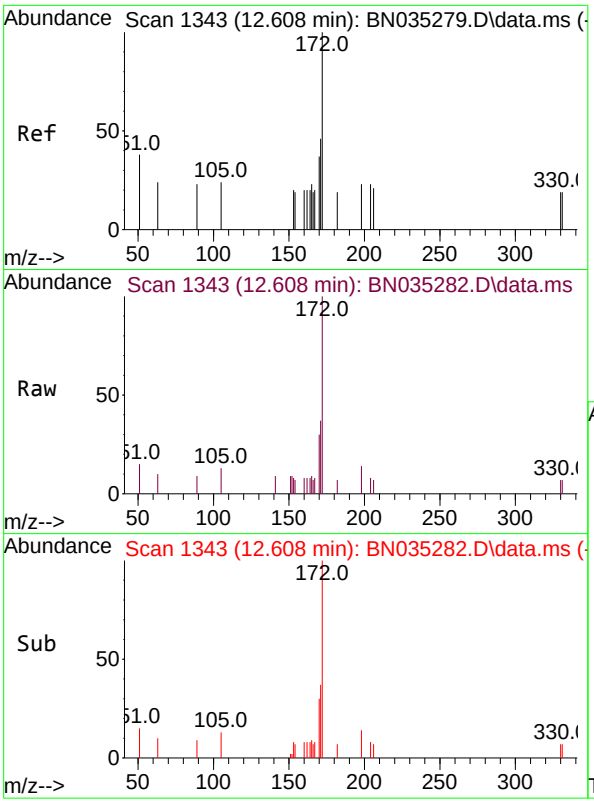


#14
2,4,6-Tribromophenol
Concen: 2.553 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:330 Resp: 5391

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	39.7	32.4	48.6



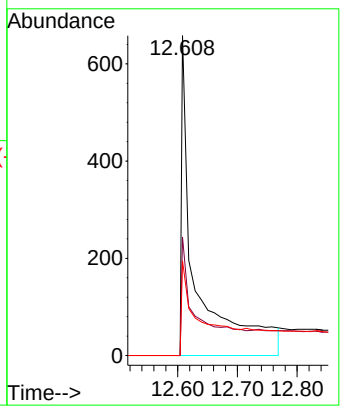


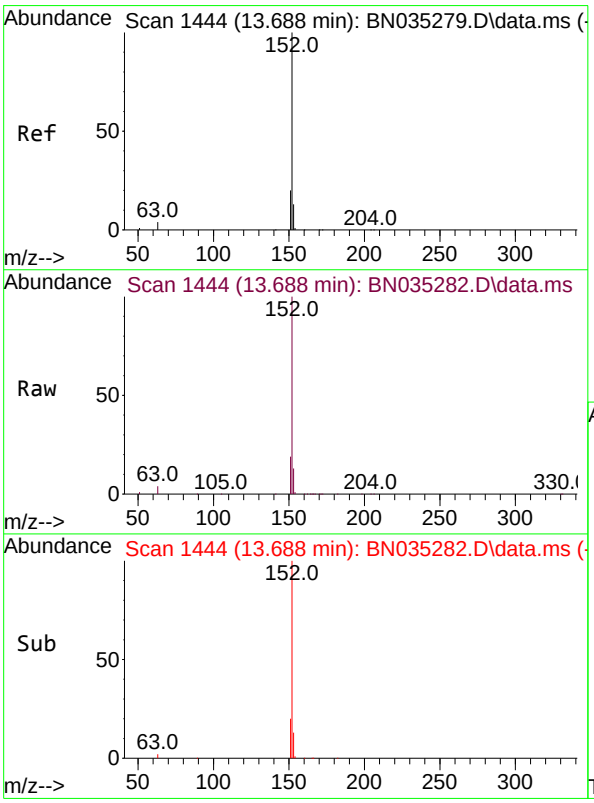
#15
2-Fluorobiphenyl
Concen: 0.096 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 1139

Ion	Ratio	Lower	Upper
172	100		
171	37.1	36.6	55.0
170	29.6	29.7	44.5#

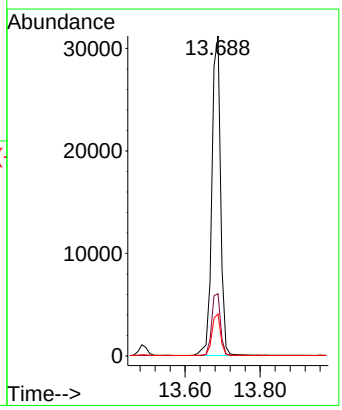


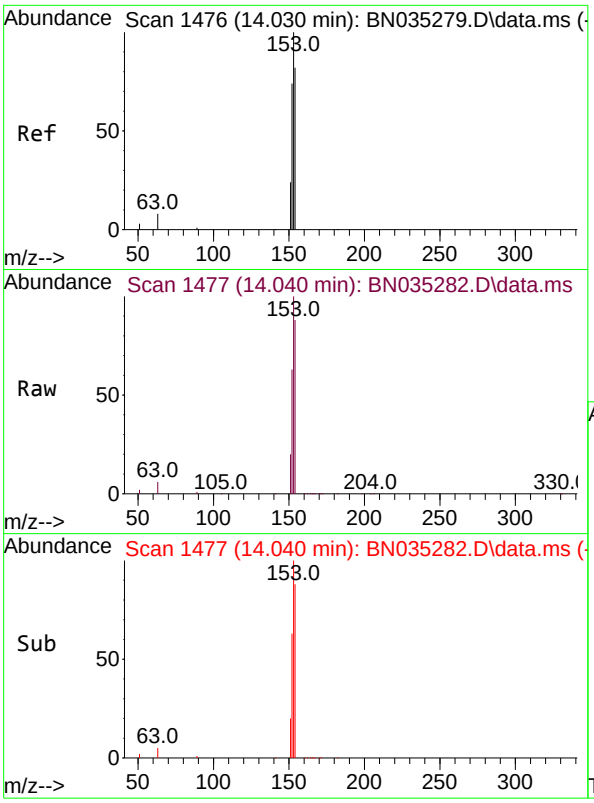


#16
Acenaphthylene
Concen: 4.019 ng
RT: 13.688 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:152 Resp: 50280

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	12.9	10.2	15.4



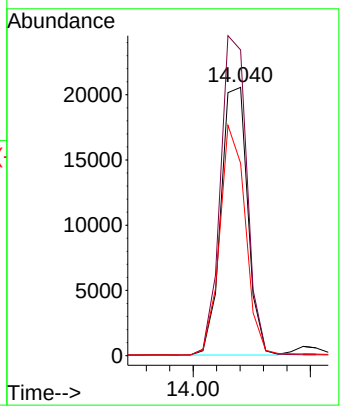


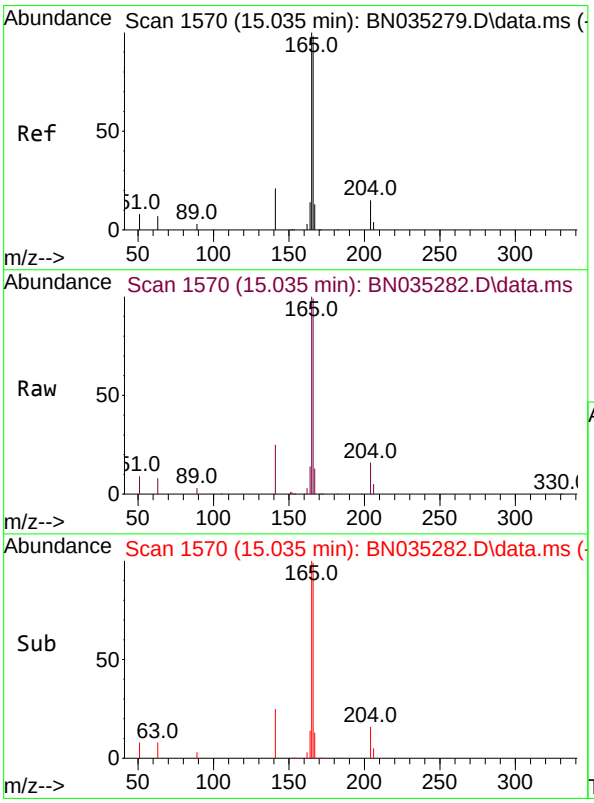
#17
Acenaphthene
Concen: 3.960 ng
RT: 14.040 min Scan# 14
Delta R.T. 0.011 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 32466

Ion	Ratio	Lower	Upper
154	100		
153	118.6	96.1	144.1
152	82.9	72.2	108.2

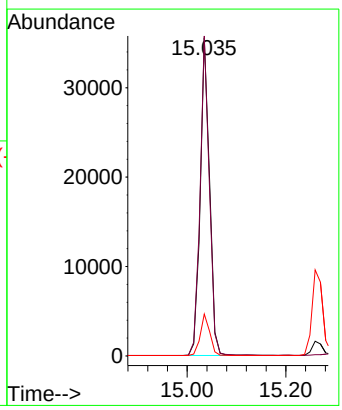


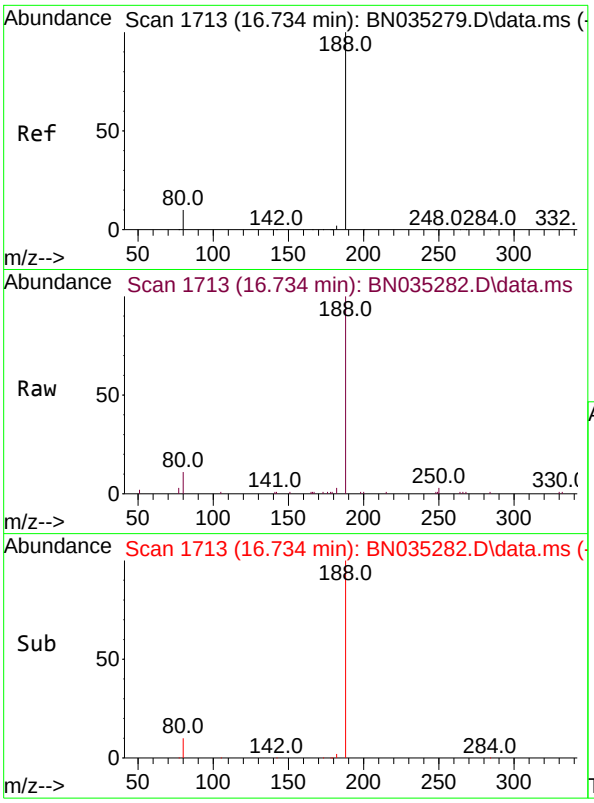


#18
Fluorene
Concen: 3.855 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:166 Resp: 46490

Ion	Ratio	Lower	Upper
166	100		
165	100.0	81.2	121.8
167	13.3	10.5	15.7



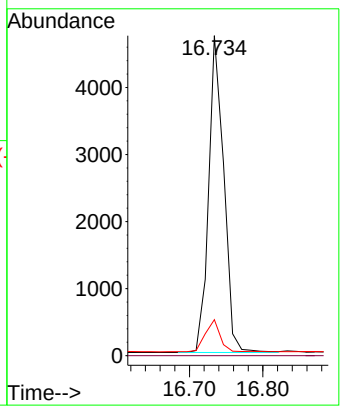


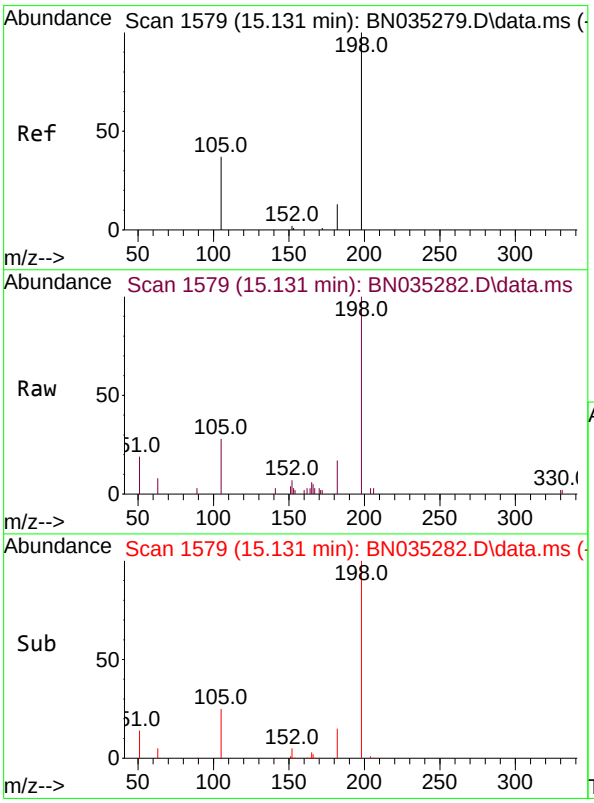
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 6761

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.3	8.9	13.3

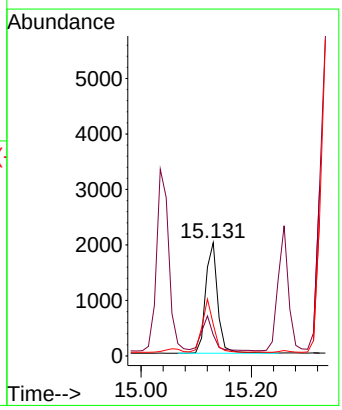


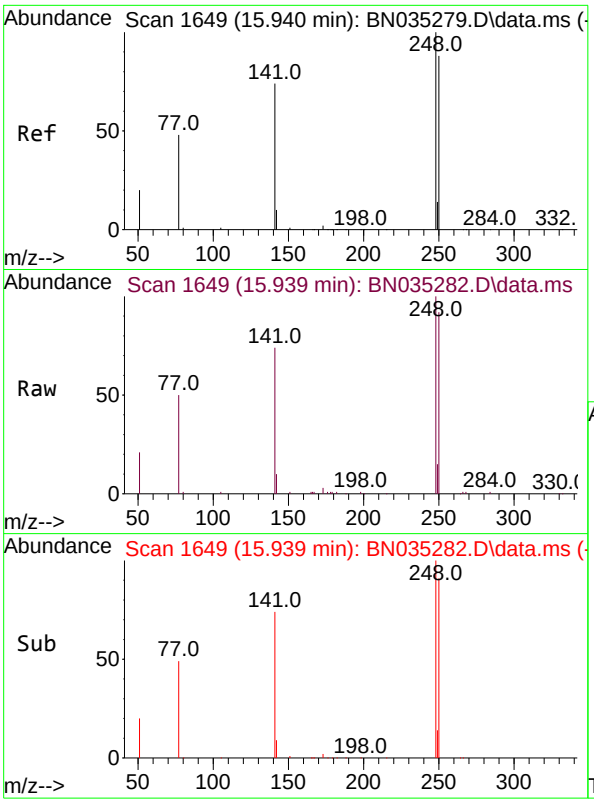


#20
4,6-Dinitro-2-methylphenol
Concen: 2.137 ng
RT: 15.131 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:198 Resp: 3008

Ion	Ratio	Lower	Upper
198	100		
51	18.6	53.6	80.4#
105	28.0	47.4	71.2#



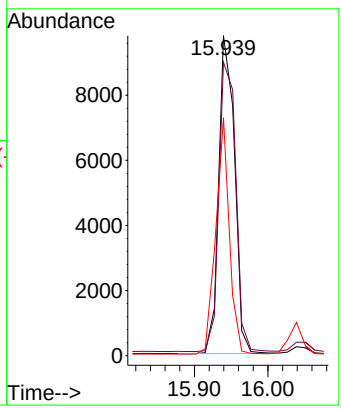


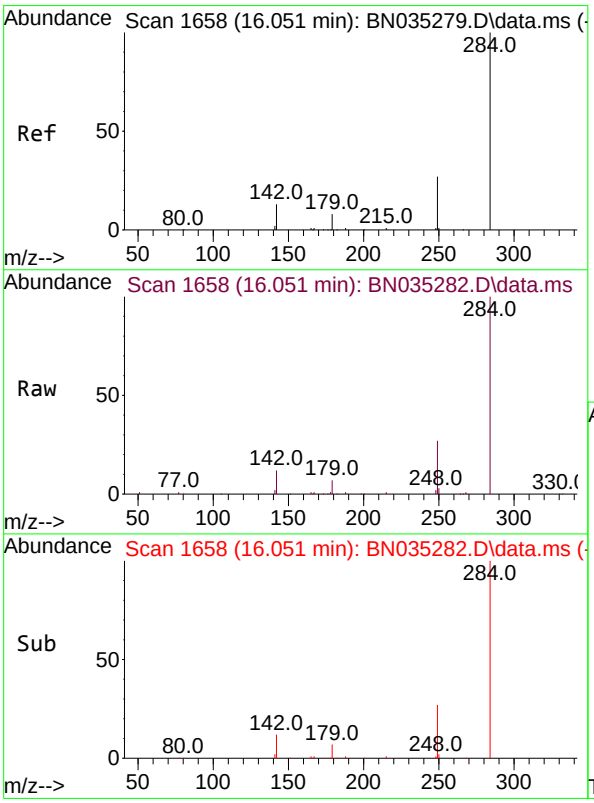
#21
4-Bromophenyl-phenylether
Concen: 3.399 ng
RT: 15.939 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:248 Resp: 14640

Ion	Ratio	Lower	Upper
248	100		
250	91.7	74.8	112.2
141	74.4	59.0	88.4

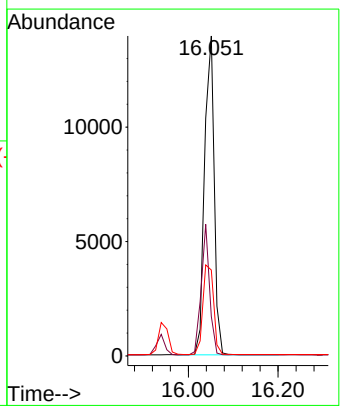


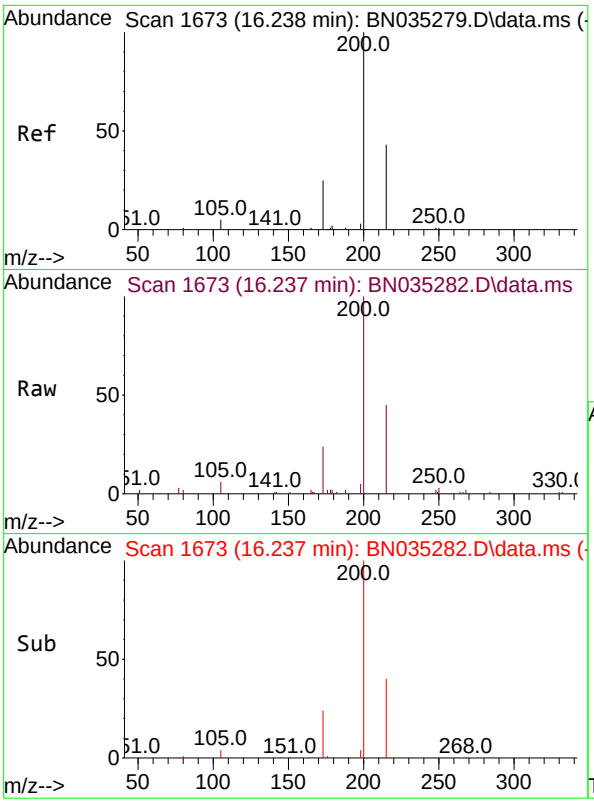


#22
Hexachlorobenzene
Concen: 4.614 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:284 Resp: 20624

Ion	Ratio	Lower	Upper
284	100		
142	36.0	28.7	43.1
249	31.4	25.4	38.0



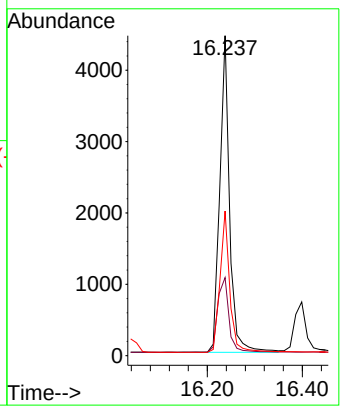


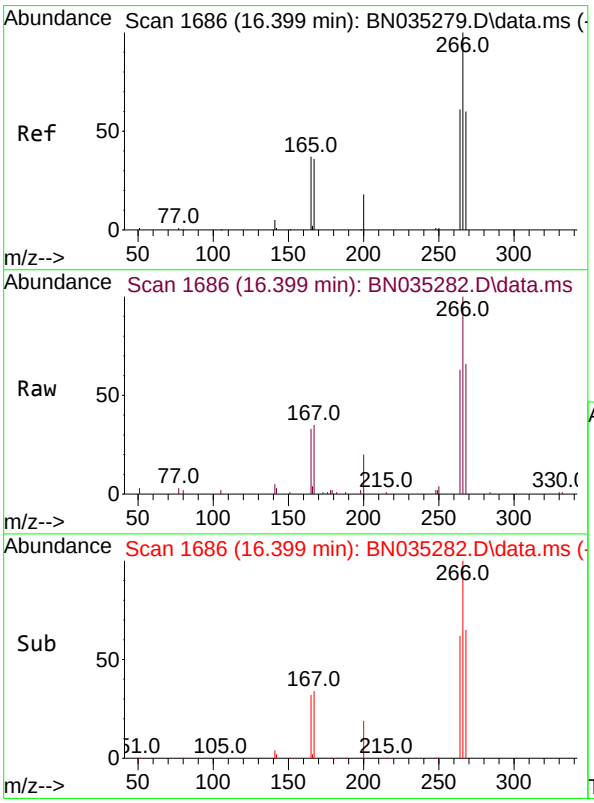
#23
Atrazine
Concen: 1.633 ng
RT: 16.237 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:200 Resp: 6312

Ion	Ratio	Lower	Upper
200	100		
173	24.4	25.8	38.8#
215	45.2	38.6	58.0

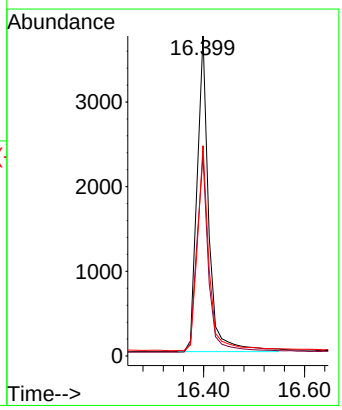


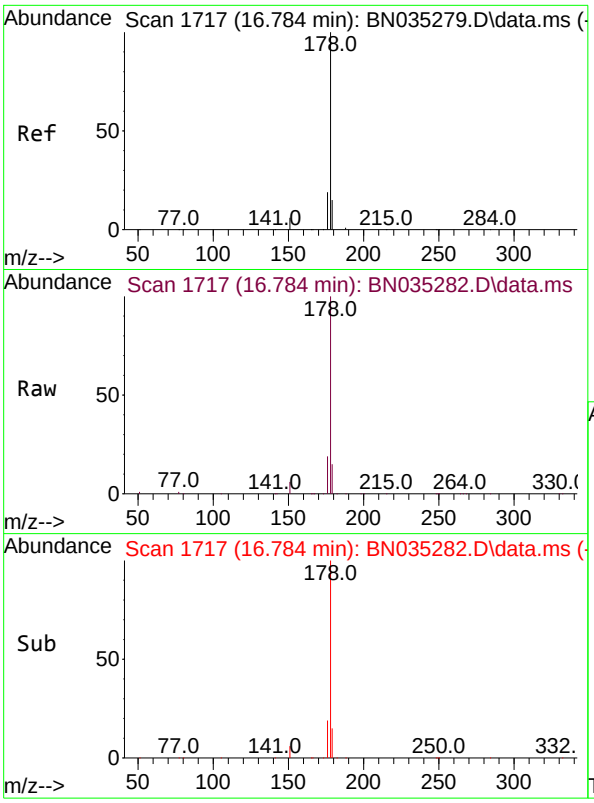


#24
Pentachlorophenol
Concen: 2.888 ng
RT: 16.399 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:266 Resp: 6031

Ion	Ratio	Lower	Upper
266	100		
264	62.7	49.3	73.9
268	64.9	48.6	73.0



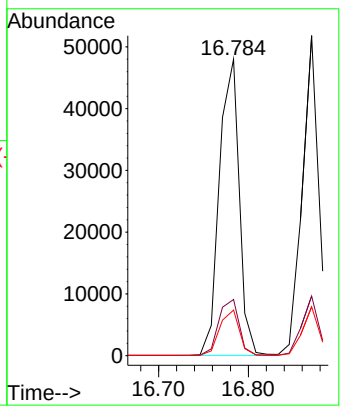


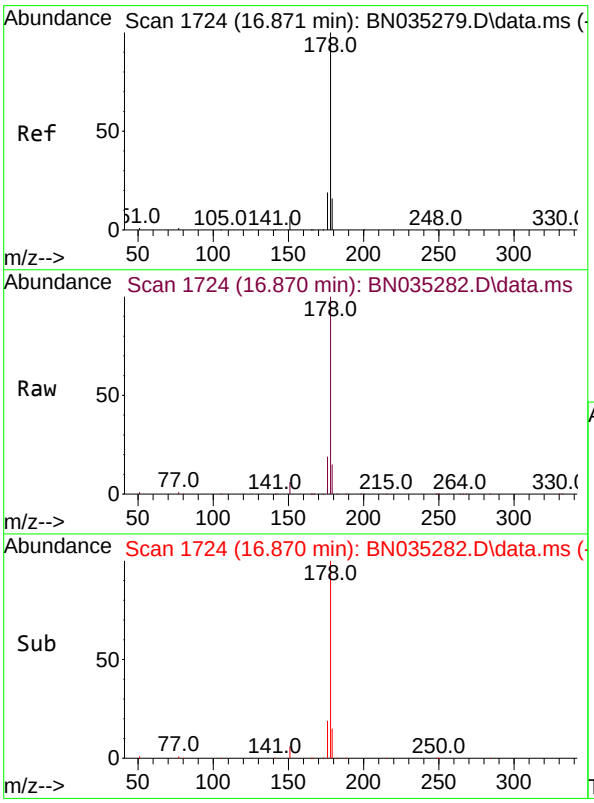
#25
Phenanthrene
Concen: 4.148 ng
RT: 16.784 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 73801

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.1	12.6	18.8

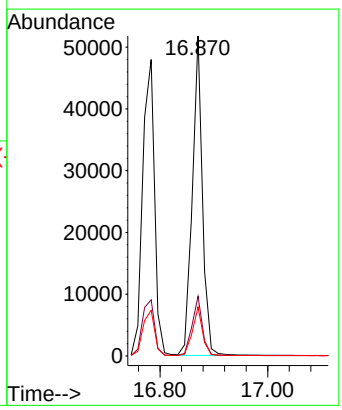


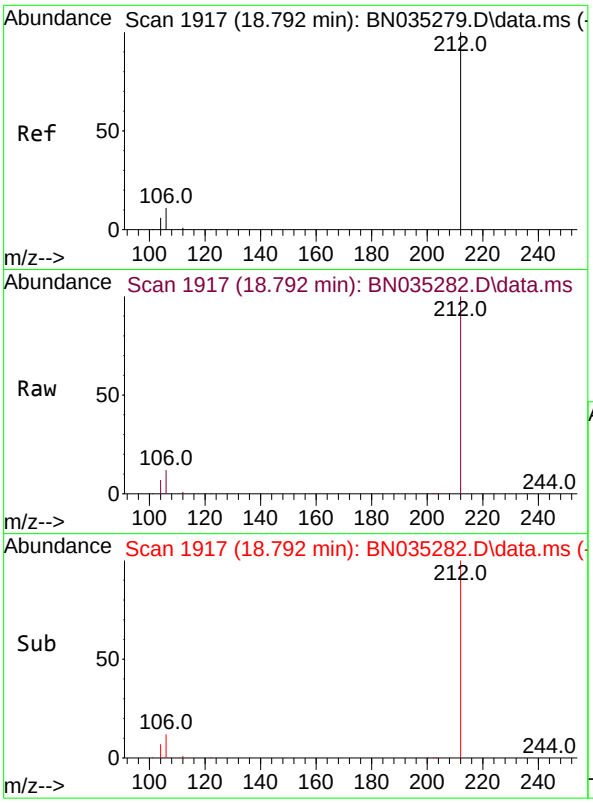


#26
Anthracene
Concen: 4.143 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:178 Resp: 67705

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.2	12.4	18.6



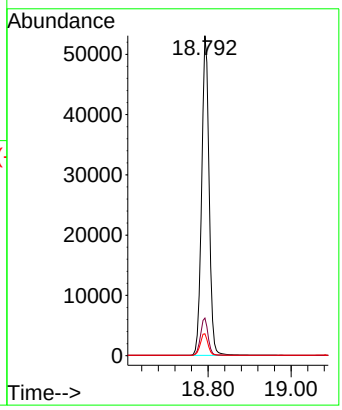


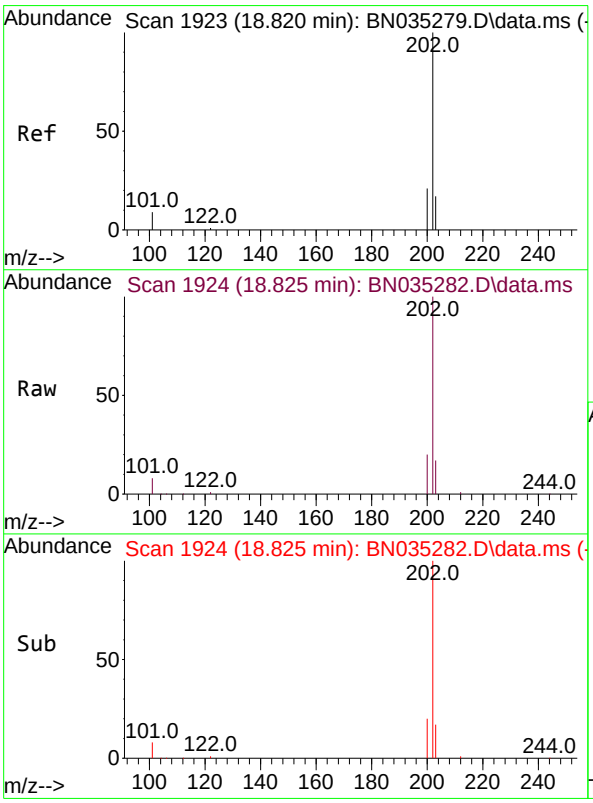
#27
Fluoranthene-d10
Concen: 3.195 ng
RT: 18.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:212 Resp: 66182

Ion	Ratio	Lower	Upper
212	100		
106	11.9	9.8	14.8
104	7.0	5.6	8.4

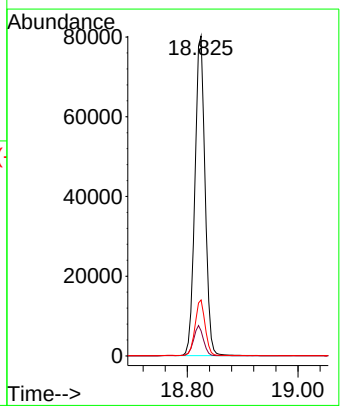


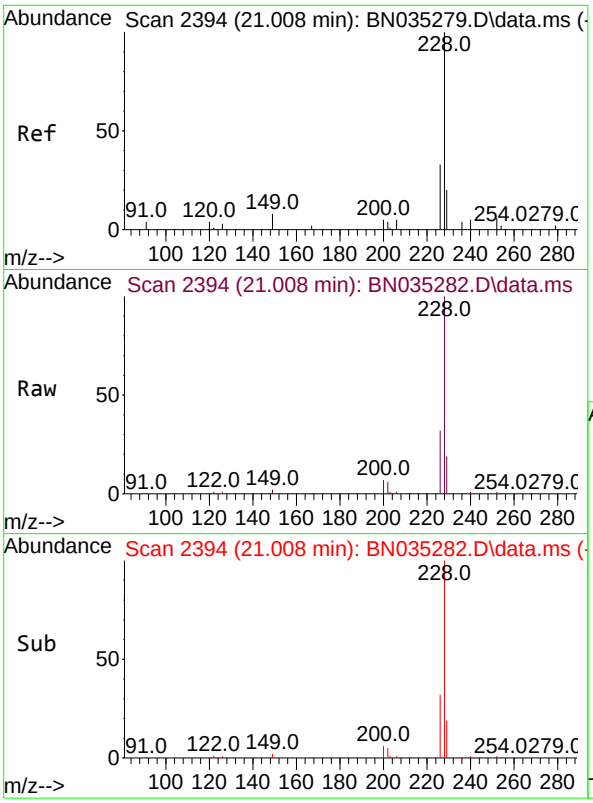


#28
Fluoranthene
Concen: 4.178 ng
RT: 18.825 min Scan# 1924
Delta R.T. 0.005 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:202 Resp: 102229

Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.6	11.4
203	17.3	13.8	20.8



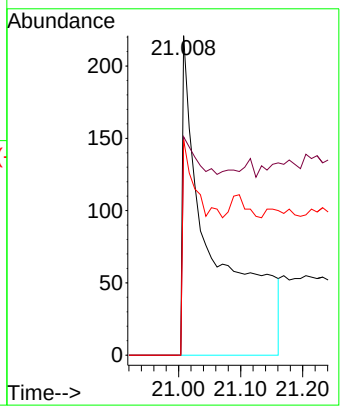


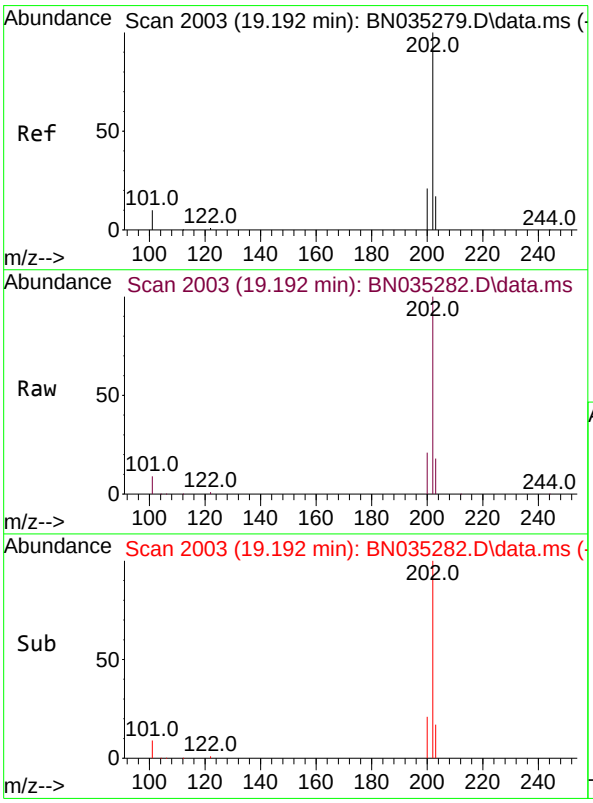
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:240 Resp: 721

Ion	Ratio	Lower	Upper
240	100		
120	68.3	54.9	82.3
236	67.4	54.0	81.0

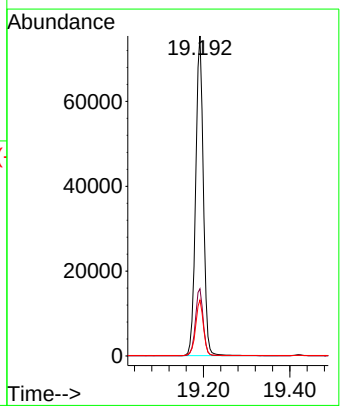


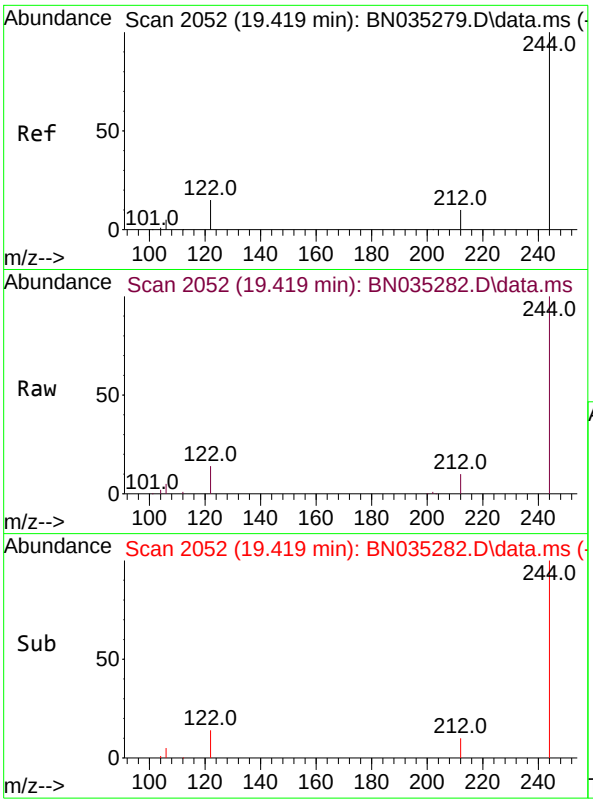


#30
Pyrene
Concen: 38.808 ng
RT: 19.192 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:202 Resp: 93180

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.7	14.4	21.6



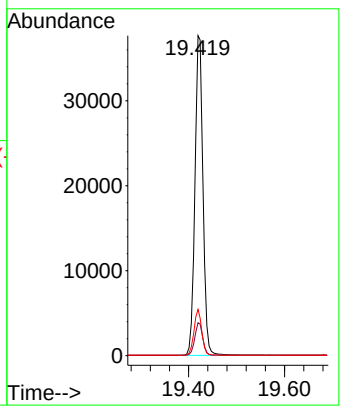


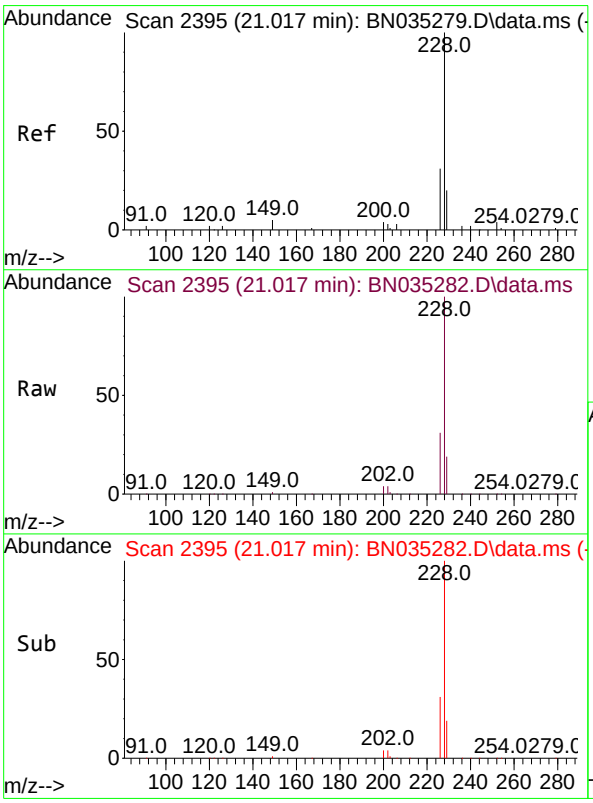
#31
Terphenyl-d14
Concen: 29.144 ng
RT: 19.419 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:244 Resp: 44092

Ion	Ratio	Lower	Upper
244	100		
212	10.3	9.4	14.0
122	14.5	13.0	19.4

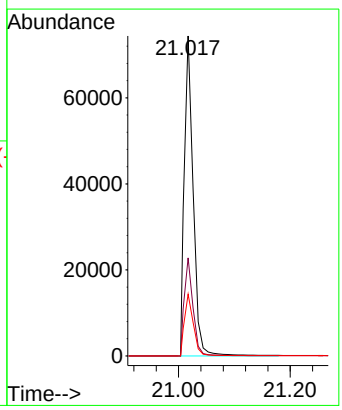


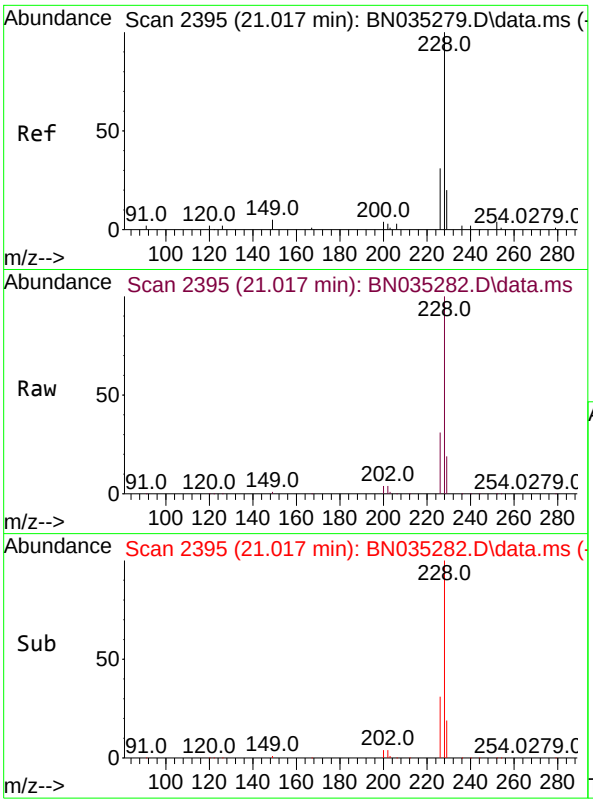


#32
Benzo(a)anthracene
Concen: 33.051 ng
RT: 21.017 min Scan# 2395
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:228 Resp: 82975

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	19.3	16.2	24.2



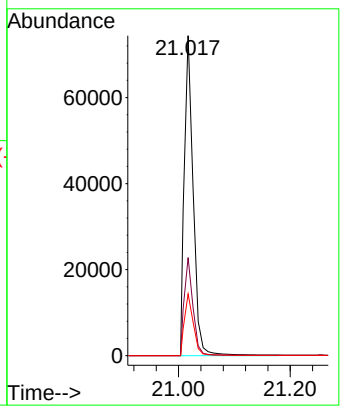


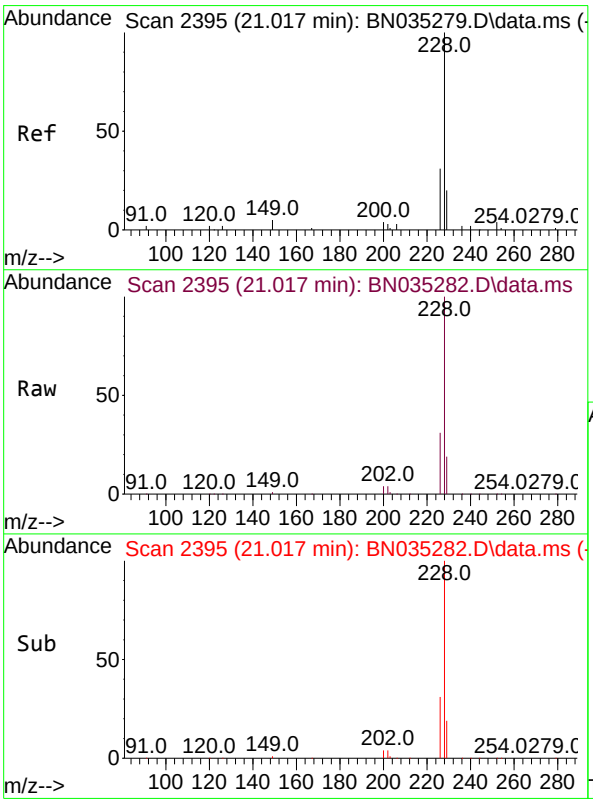
#33
Chrysene
Concen: 33.364 ng
RT: 21.017 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 82975

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	19.3	16.2	24.2

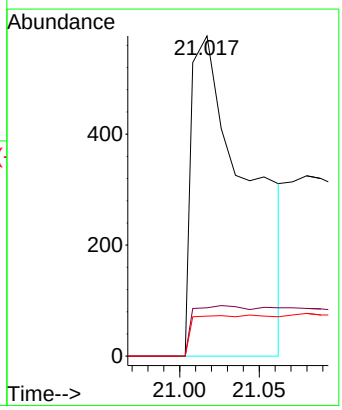


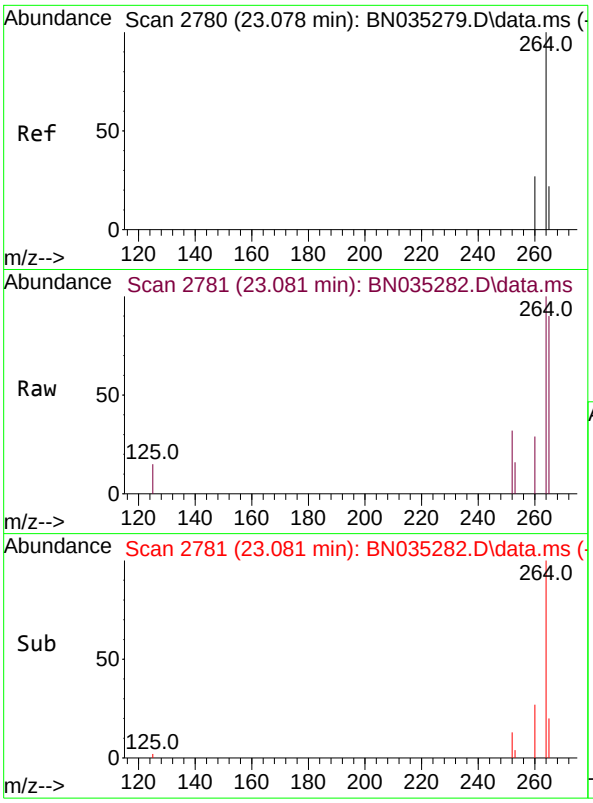


#34
Bis(2-ethylhexyl)phthalate
Concen: 1.002 ng
RT: 21.017 min Scan# 2395
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:149 Resp: 1320

Ion	Ratio	Lower	Upper
149	100		
167	14.9	0.0	0.0#
279	9.5	13.0	19.6#



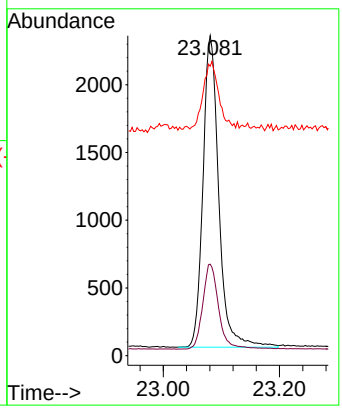


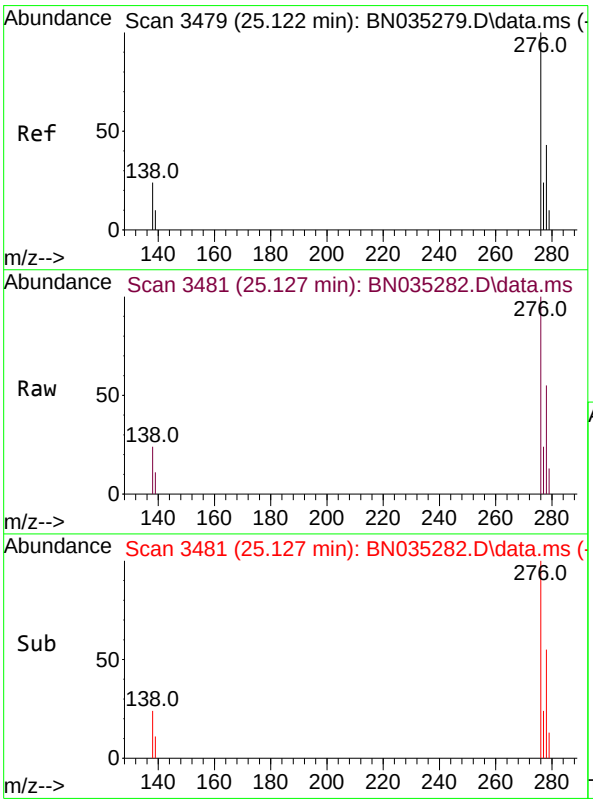
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.081 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:264 Resp: 4343

Ion	Ratio	Lower	Upper
264	100		
260	28.6	22.3	33.5
265	90.4	68.6	103.0

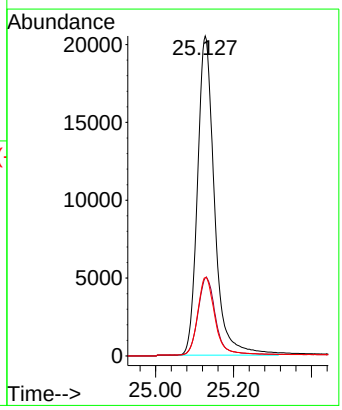


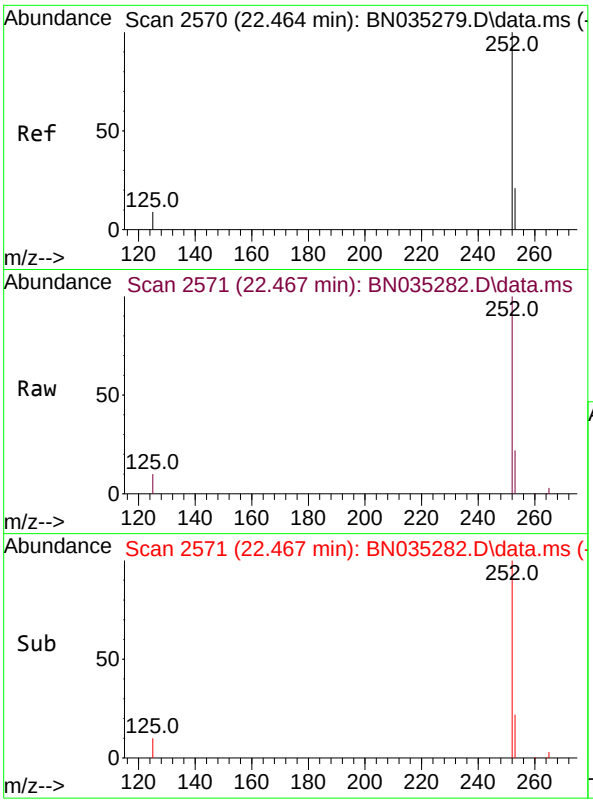


#36
Indeno(1,2,3-cd)pyrene
Concen: 3.583 ng
RT: 25.127 min Scan# 3481
Delta R.T. 0.006 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:276 Resp: 62075

Ion	Ratio	Lower	Upper
276	100		
138	24.8	18.8	28.2
277	24.5	18.2	27.4



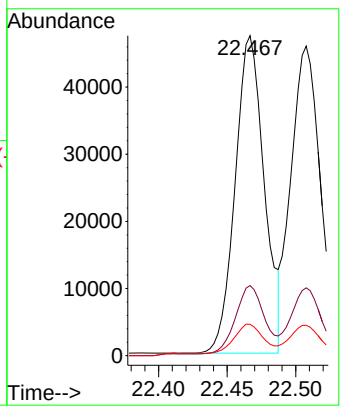


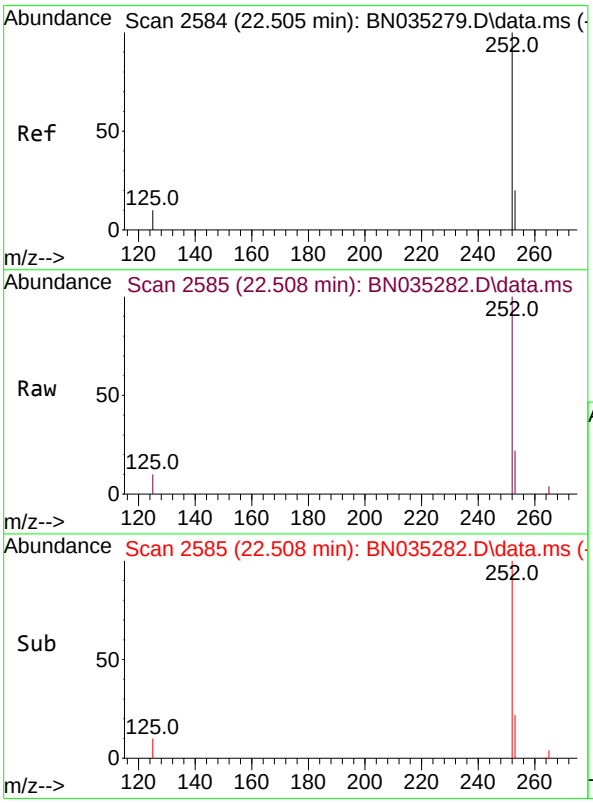
#37
Benzo(b)fluoranthene
Concen: 4.767 ng
RT: 22.467 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 69657

Ion	Ratio	Lower	Upper
252	100		
253	21.9	20.2	30.2
125	9.8	12.0	18.0#

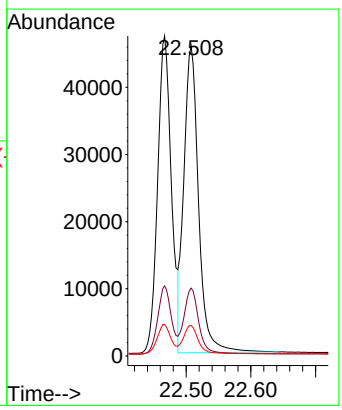


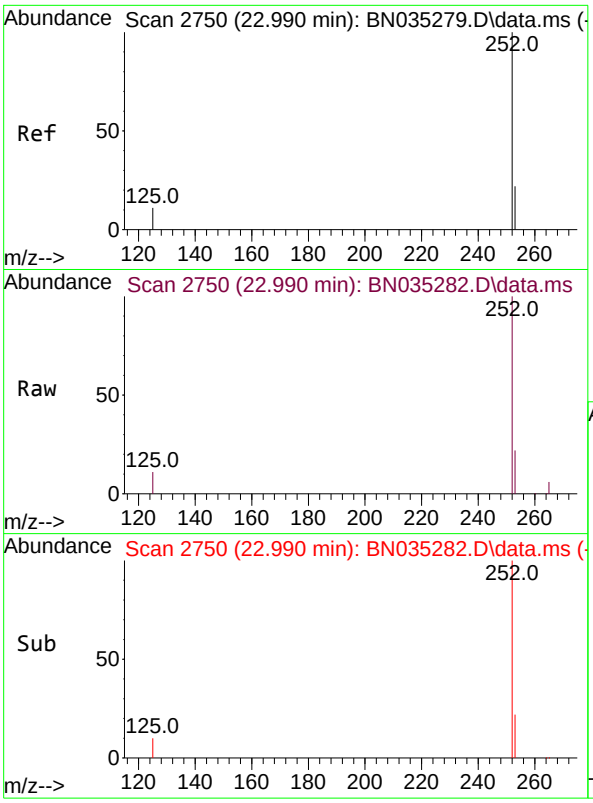


#38
Benzo(k)fluoranthene
Concen: 4.941 ng
RT: 22.508 min Scan# 2585
Delta R.T. 0.003 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:252 Resp: 72243

Ion	Ratio	Lower	Upper
252	100		
253	21.9	20.1	30.1
125	9.8	12.7	19.1#



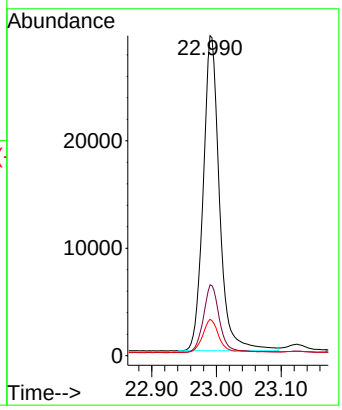


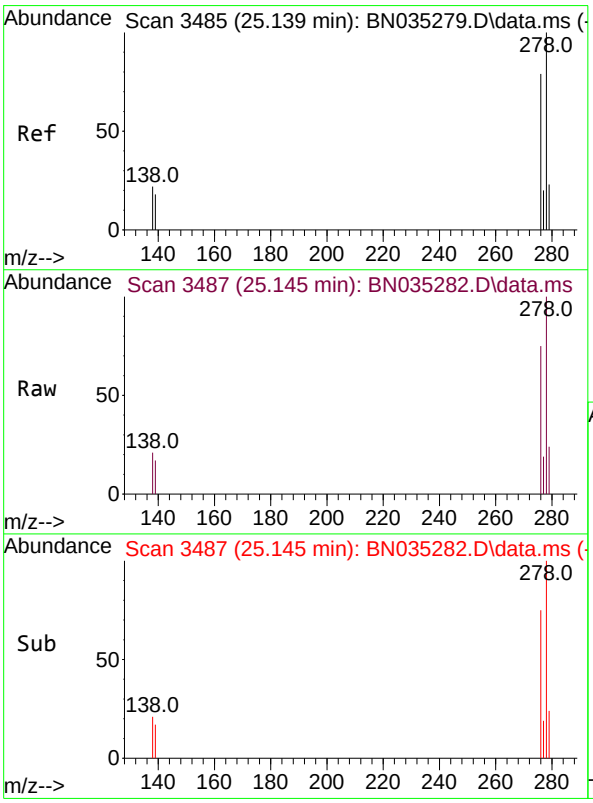
#39
Benzo(a)pyrene
Concen: 3.987 ng
RT: 22.990 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 51266

Ion	Ratio	Lower	Upper
252	100		
253	22.1	22.3	33.5#
125	11.3	15.3	22.9#

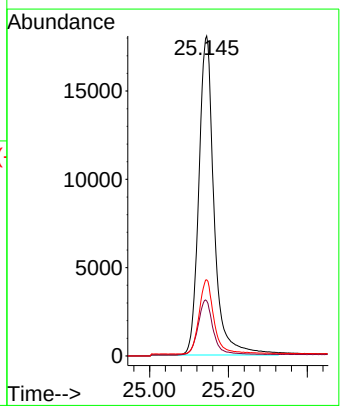


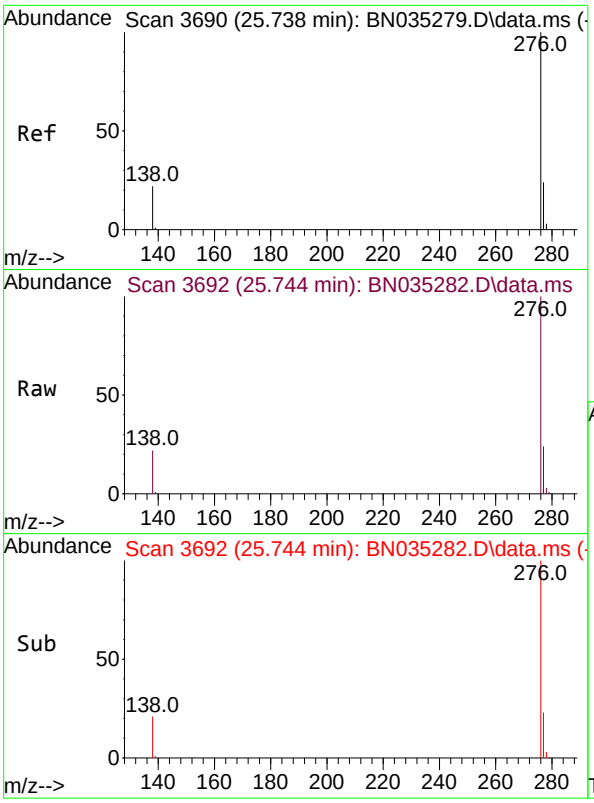


#40
Dibenzo(a,h)anthracene
Concen: 3.547 ng
RT: 25.145 min Scan# 3487
Delta R.T. 0.006 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Tgt Ion:278 Resp: 48696

Ion	Ratio	Lower	Upper
278	100		
139	17.2	17.0	25.6
279	23.8	23.0	34.4



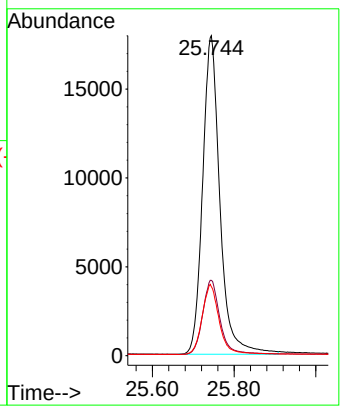


#41
Benzo(g,h,i)perylene
Concen: 3.610 ng
RT: 25.744 min Scan# 3
Delta R.T. 0.006 min
Lab File: BN035282.D
Acq: 25 Nov 2024 13:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 52706

Ion	Ratio	Lower	Upper
276	100		
277	23.6	21.1	31.7
138	21.6	19.8	29.8



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035283.D
Acq On : 25 Nov 2024 13:52
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Nov 25 14:21:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:16:35 2024
Response via : Initial Calibration

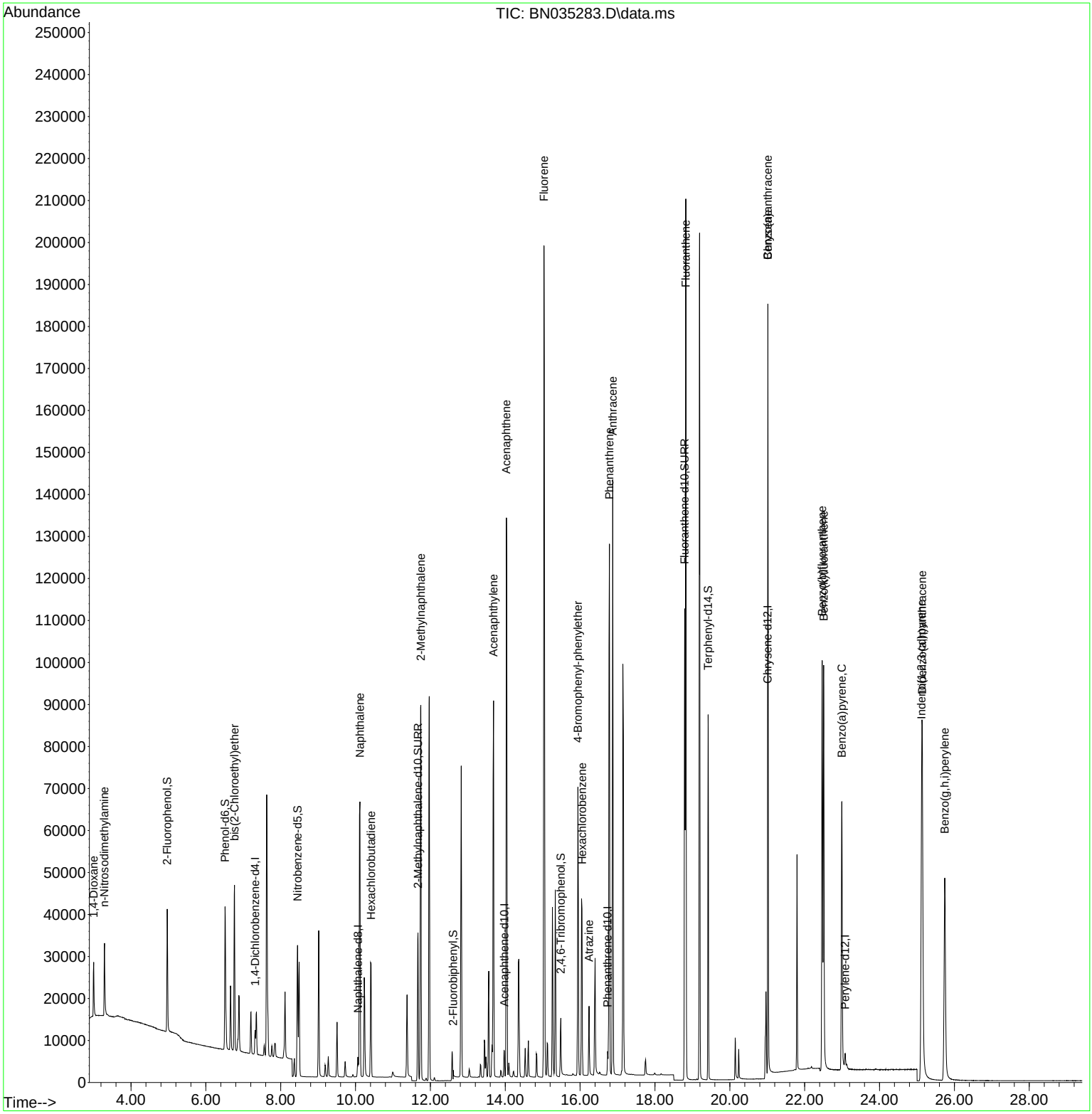
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.315	152	2617	0.400	ng		0.00
7) Naphthalene-d8	10.063	136	5861	0.400	ng		0.00
13) Acenaphthene-d10	13.976	164	3371	0.400	ng		0.00
19) Phenanthrene-d10	16.734	188	7456	0.400	ng		0.00
29) Chrysene-d12	21.008	240	600	0.400	ng		0.00
35) Perylene-d12	23.081	264	4243	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.968	112	23473	3.533	ng		0.00
5) Phenol-d6	6.513	99	31227	3.749	ng		0.00
8) Nitrobenzene-d5	8.450	82	25967	5.090	ng		0.00
11) 2-Methylnaphthalene-d10	11.667	152	45135	4.321	ng		0.00
14) 2,4,6-Tribromophenol	15.484	330	11465	4.715	ng		0.00
15) 2-Fluorobiphenyl	12.608	172	1400	0.102	ng		0.00
27) Fluoranthene-d10	18.792	212	118272	5.178	ng		0.00
31) Terphenyl-d14	19.419	244	77655	61.679	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.003	88	8723	3.670	ng	#	76
3) n-Nitrosodimethylamine	3.285	42	10016	4.521	ng	#	85
6) bis(2-Chloroethyl)ether	6.766	93	28430	4.547	ng		100
9) Naphthalene	10.116	128	86023	5.622	ng		98
10) Hexachlorobutadiene	10.415	225	23614	5.265	ng	#	100
12) 2-Methylnaphthalene	11.742	142	60715	5.378	ng		98
16) Acenaphthylene	13.688	152	96646	6.708	ng		100
17) Acenaphthene	14.030	154	62066	6.574	ng		92
18) Fluorene	15.035	166	87161	6.276	ng		99
21) 4-Bromophenyl-phenylether	15.939	248	27951	5.884	ng		91
22) Hexachlorobenzene	16.051	284	36728	7.450	ng		99
23) Atrazine	16.237	200	12358	2.900	ng	#	92
25) Phenanthrene	16.784	178	134973	6.879	ng		99
26) Anthracene	16.870	178	127410	7.069	ng		100
28) Fluoranthene	18.825	202	177741	6.587	ng		100
32) Benzo(a)anthracene	21.017	228	128544	61.527	ng		99
33) Chrysene	21.017	228	128544	62.111	ng		99
36) Indeno(1,2,3-cd)pyrene	25.124	276	108670	6.420	ng		96
37) Benzo(b)fluoranthene	22.467	252	109463	7.668	ng	#	91
38) Benzo(k)fluoranthene	22.508	252	114816	8.038	ng	#	90
39) Benzo(a)pyrene	22.993	252	84108	6.696	ng	#	86
40) Dibenzo(a,h)anthracene	25.142	278	85497	6.375	ng		91
41) Benzo(g,h,i)perylene	25.741	276	92138	6.459	ng		95

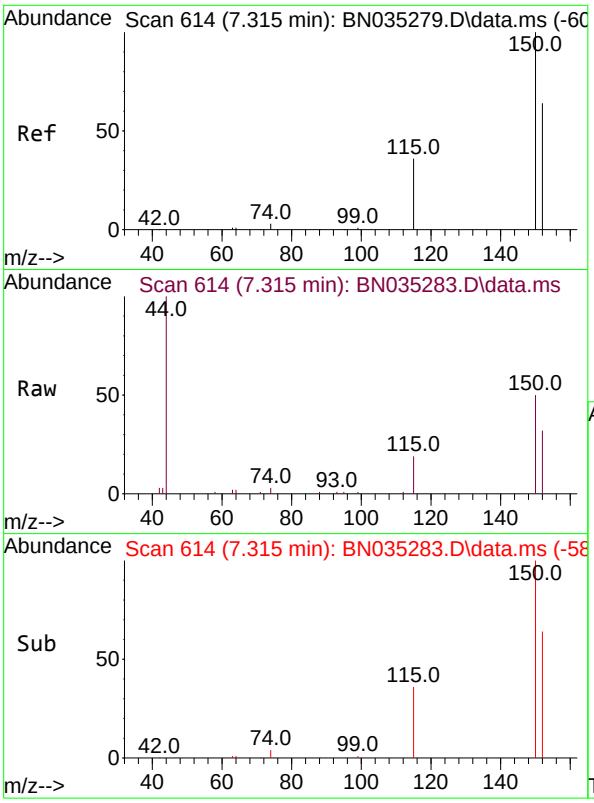
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035283.D
Acq On : 25 Nov 2024 13:52
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Nov 25 14:21:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:16:35 2024
Response via : Initial Calibration



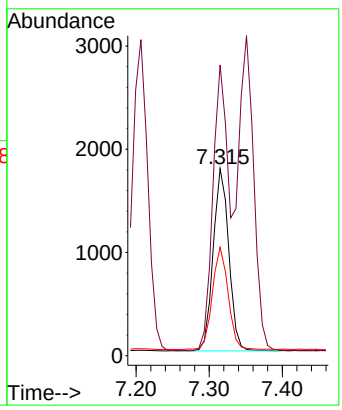


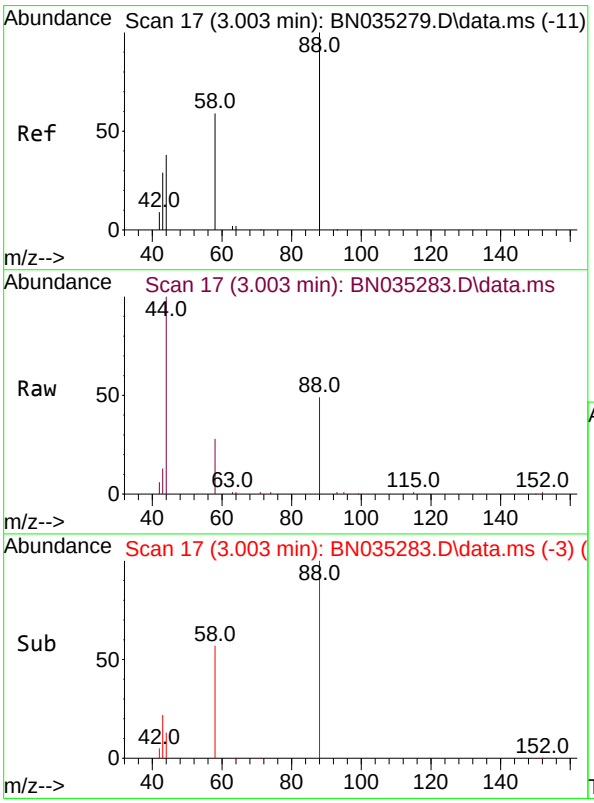
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 2617

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.5	186.7
115	57.9	47.8	71.8

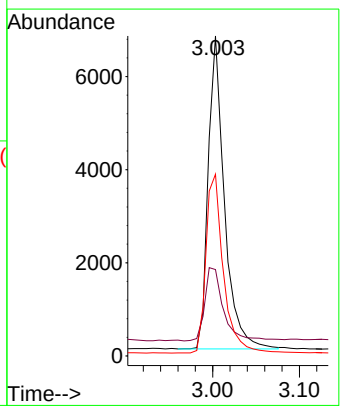


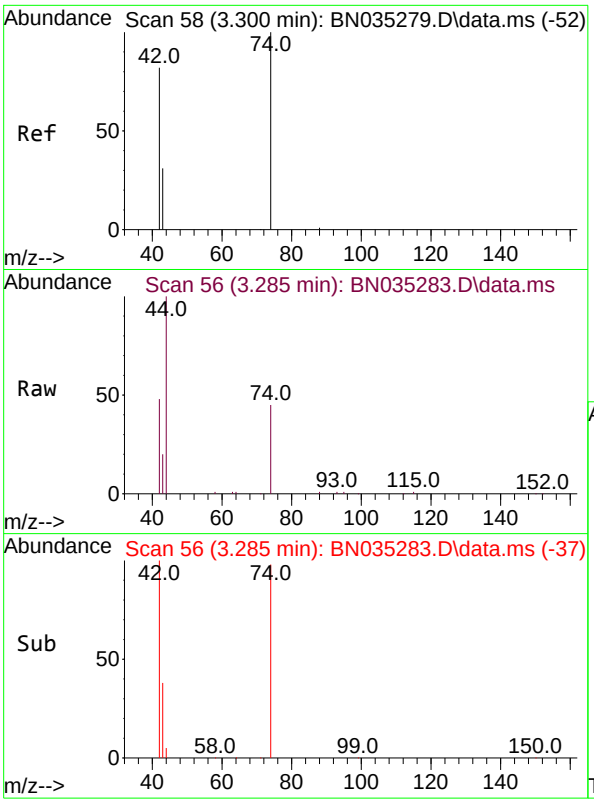


#2
1,4-Dioxane
Concen: 3.670 ng
RT: 3.003 min Scan# 17
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion: 88 Resp: 8723

Ion	Ratio	Lower	Upper
88	100		
43	27.1	48.1	72.1#
58	61.7	46.9	70.3



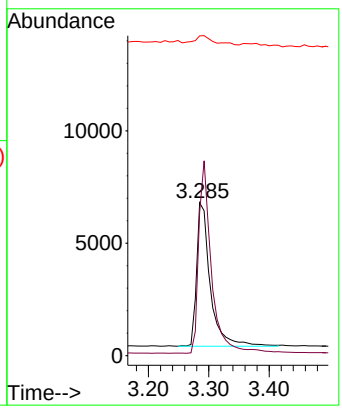


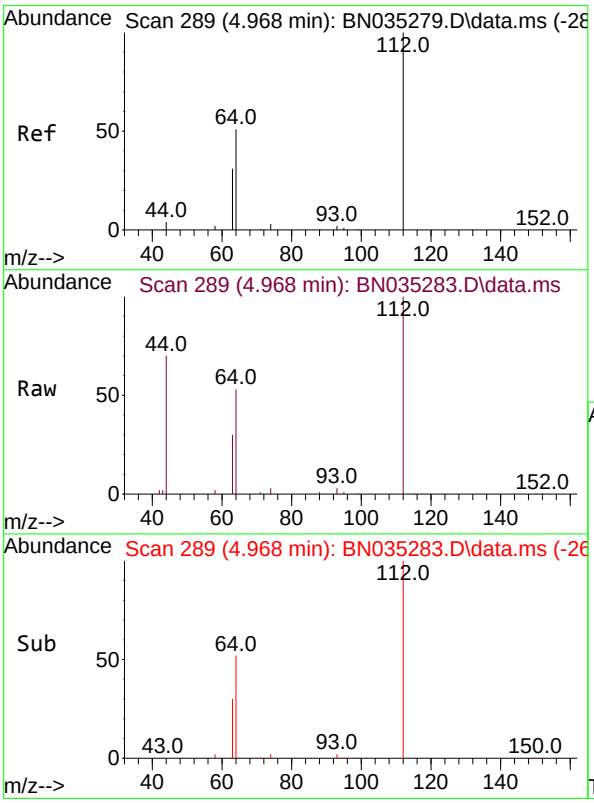
#3
n-Nitrosodimethylamine
Concen: 4.521 ng
RT: 3.285 min Scan# 5
Delta R.T. -0.015 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 10016

Ion	Ratio	Lower	Upper
42	100		
74	126.0	102.7	154.1
44	8.4	34.1	51.1#

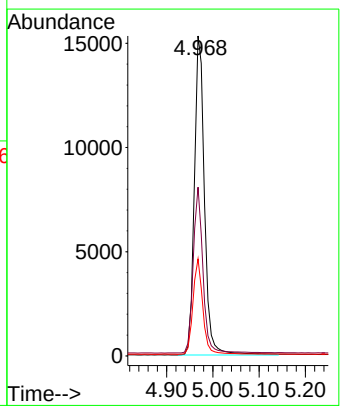


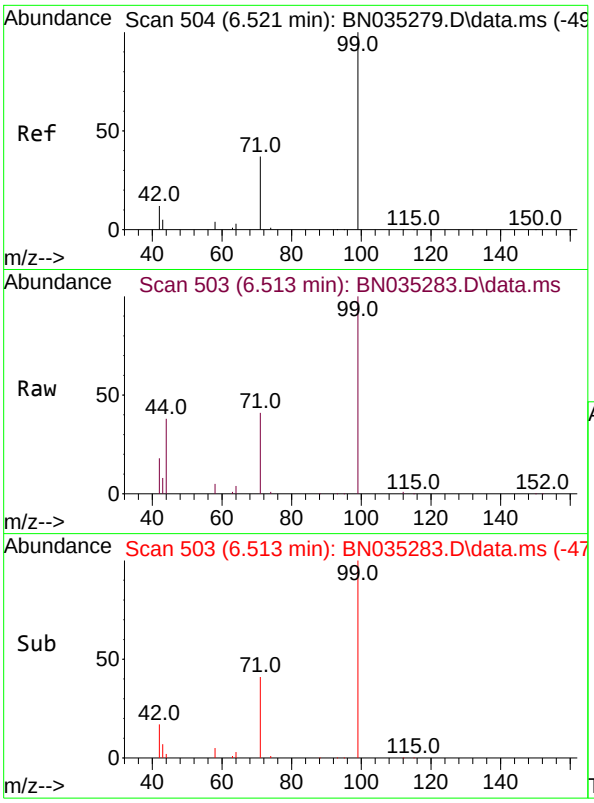


#4
2-Fluorophenol
Concen: 3.533 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:112 Resp: 23473

Ion	Ratio	Lower	Upper
112	100		
64	50.0	40.4	60.6
63	29.1	23.8	35.8



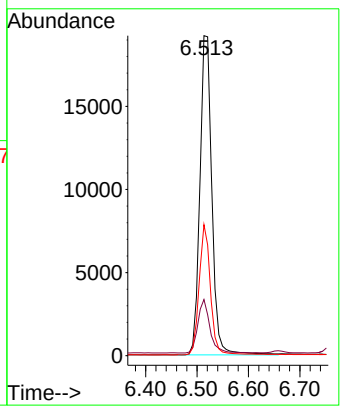


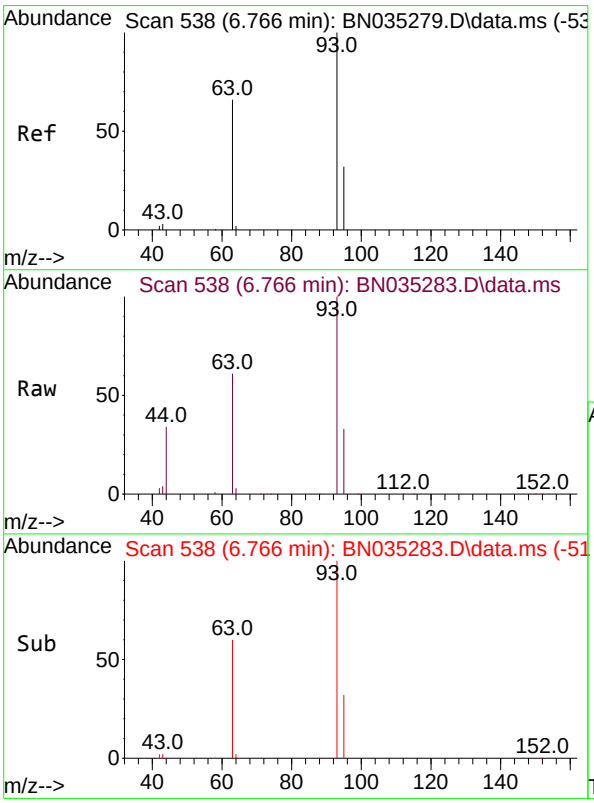
#5
Phenol-d6
Concen: 3.749 ng
RT: 6.513 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 31227

Ion	Ratio	Lower	Upper
99	100		
42	16.8	12.8	19.2
71	38.6	31.4	47.2

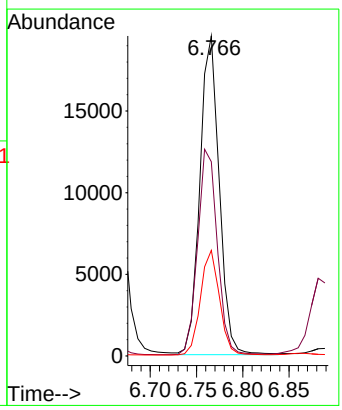


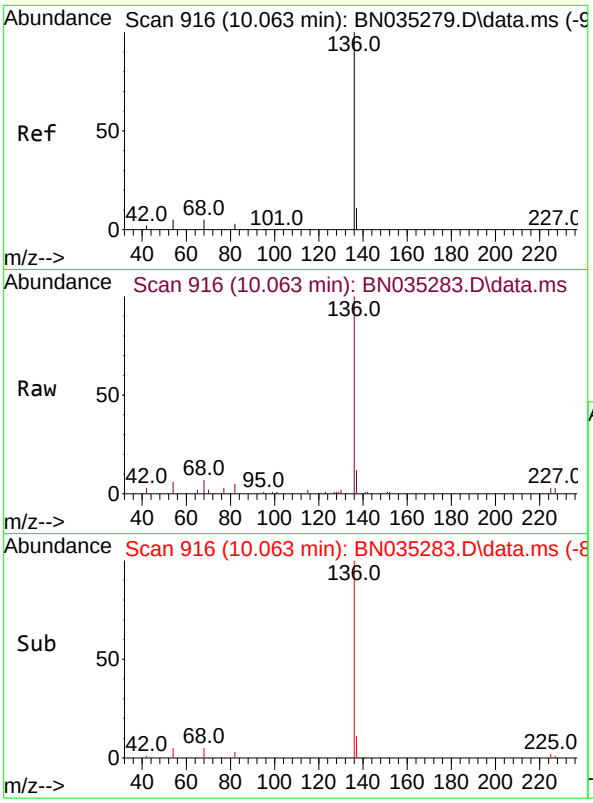


#6
bis(2-Chloroethyl)ether
Concen: 4.547 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion: 93 Resp: 28430

Ion	Ratio	Lower	Upper
93	100		
63	65.4	52.3	78.5
95	32.2	25.5	38.3



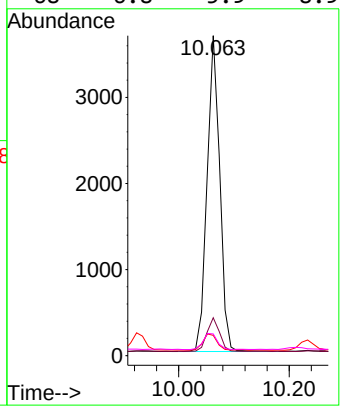


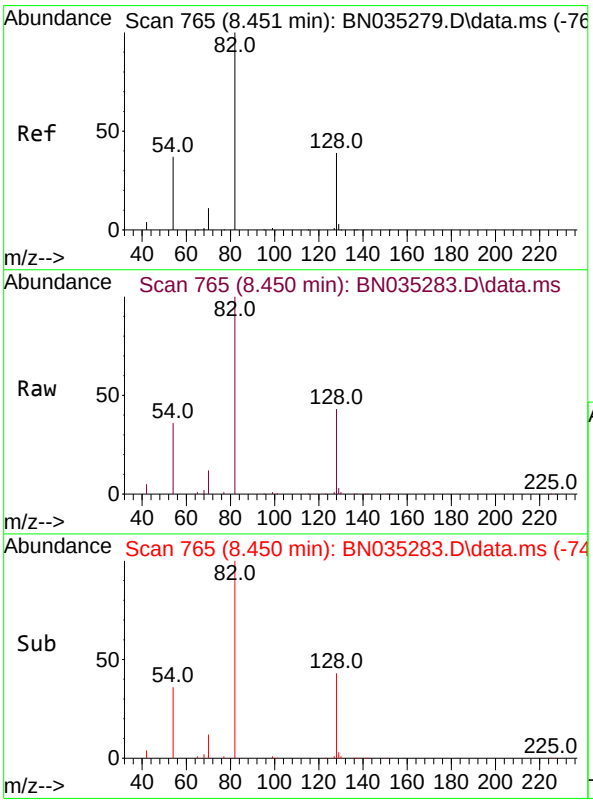
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 5861

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.7	14.5
54	6.3	5.3	7.9
68	6.8	5.9	8.9

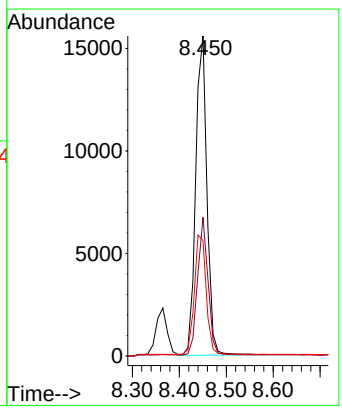


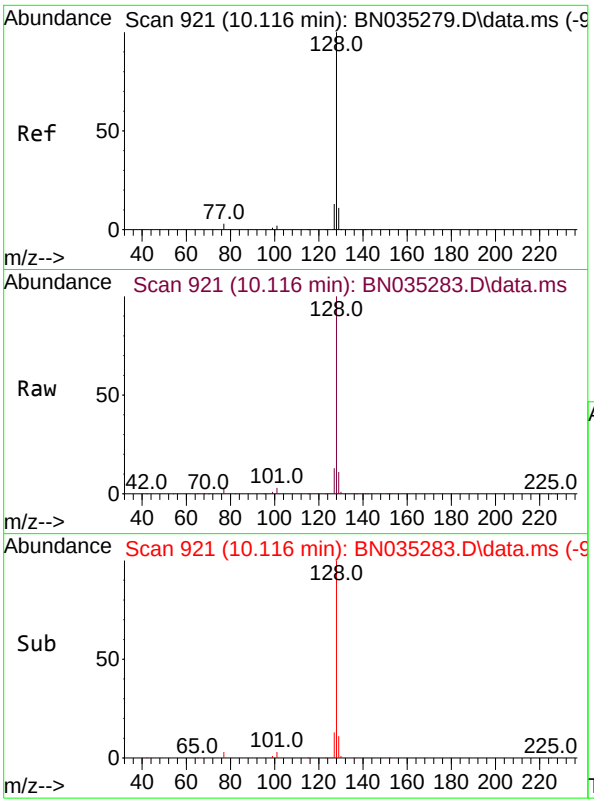


#8
Nitrobenzene-d5
Concen: 5.090 ng
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion: 82 Resp: 25967

Ion	Ratio	Lower	Upper
82	100		
128	43.3	33.0	49.4
54	36.1	33.3	49.9



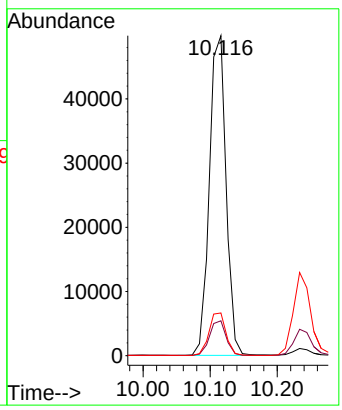


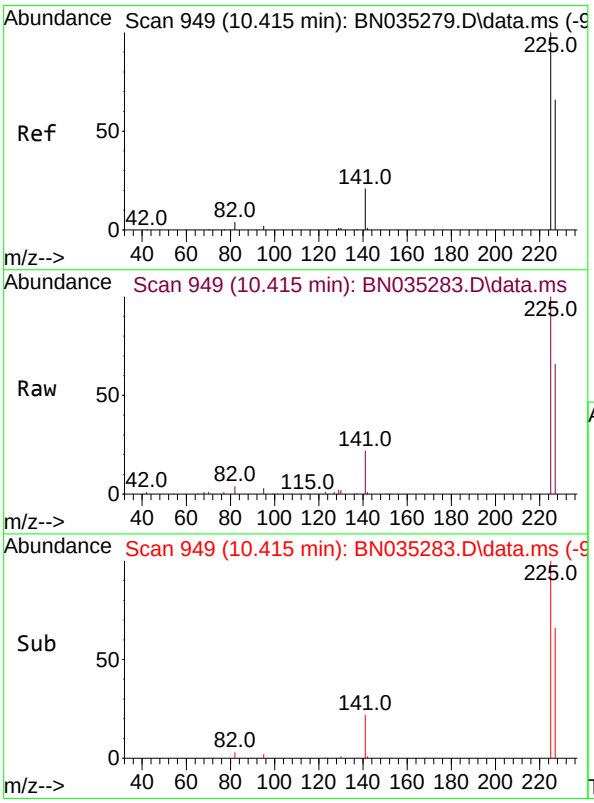
#9
Naphthalene
Concen: 5.622 ng
RT: 10.116 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 86023

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.6	14.4
127	13.4	11.3	16.9

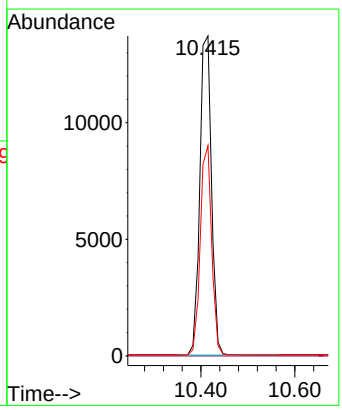


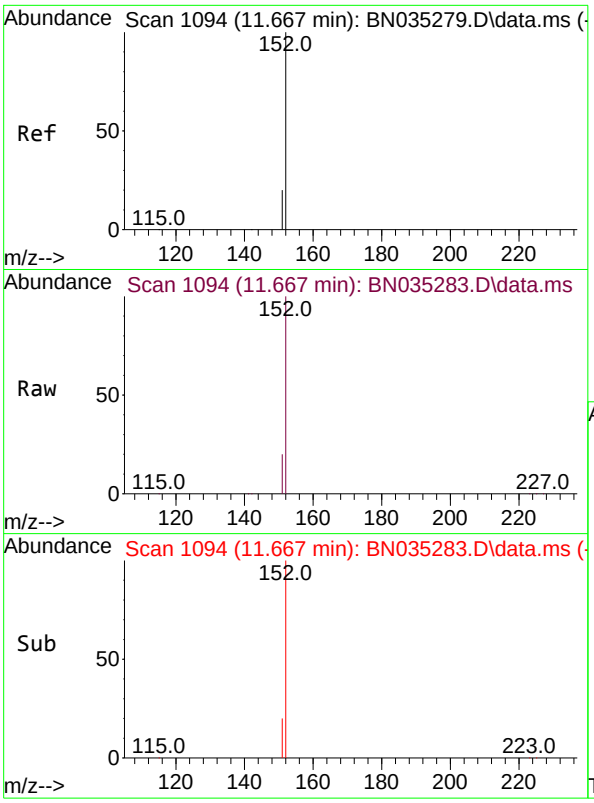


#10
Hexachlorobutadiene
Concen: 5.265 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:225 Resp: 23614

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.3	76.9



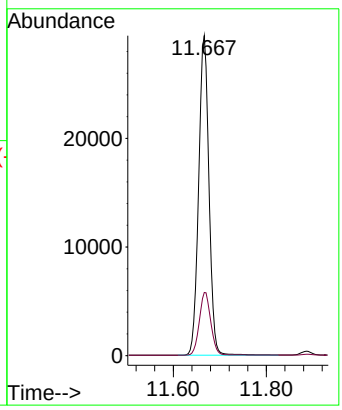


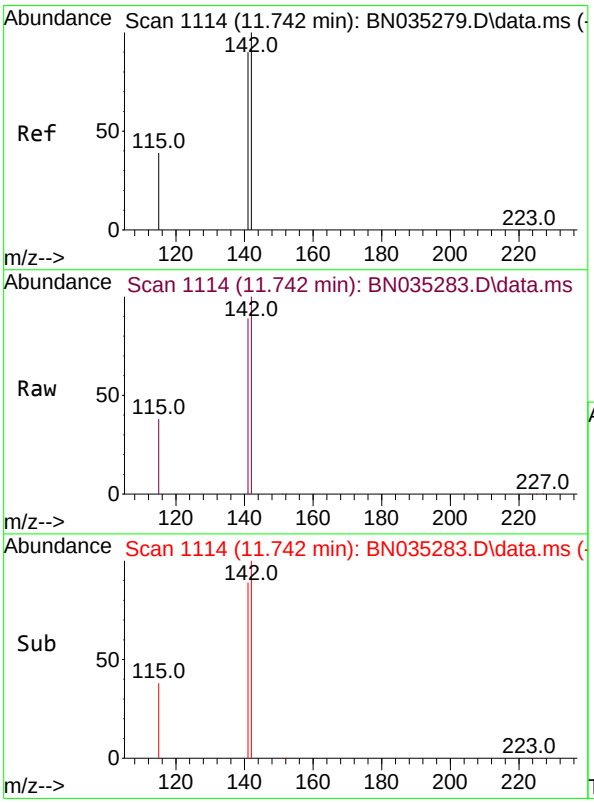
#11
2-Methylnaphthalene-d10
Concen: 4.321 ng
RT: 11.667 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 45135

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.2	25.8

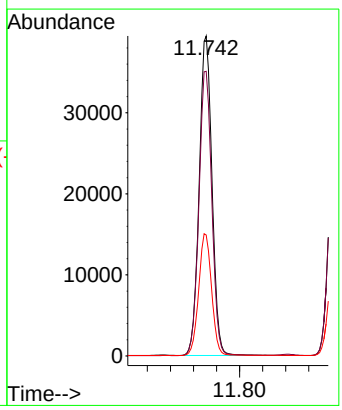


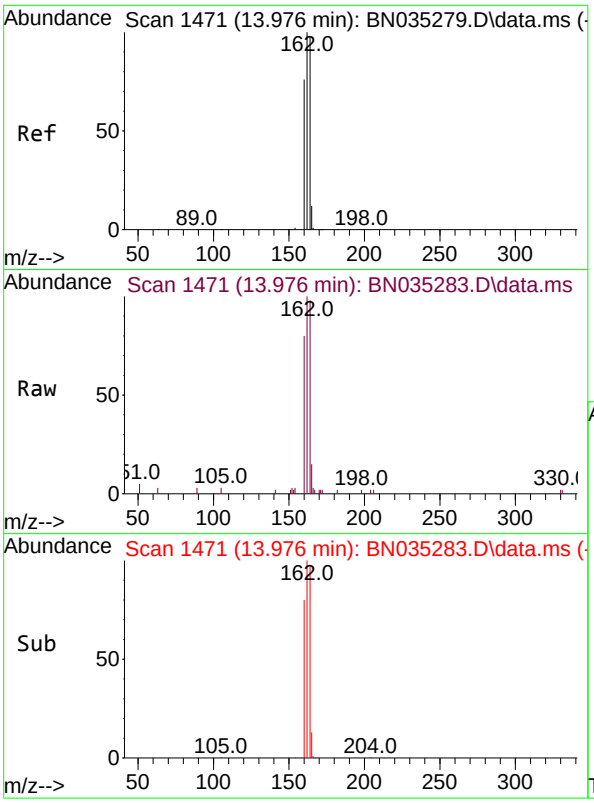


#12
2-Methylnaphthalene
Concen: 5.378 ng
RT: 11.742 min Scan# 1114
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:142 Resp: 60715

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.8	107.8
115	37.8	32.6	49.0



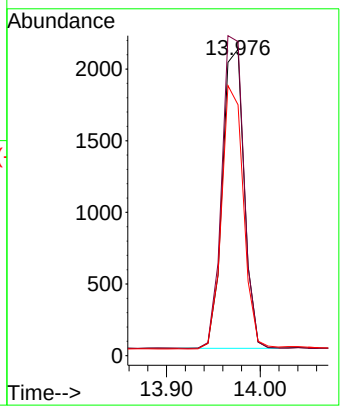


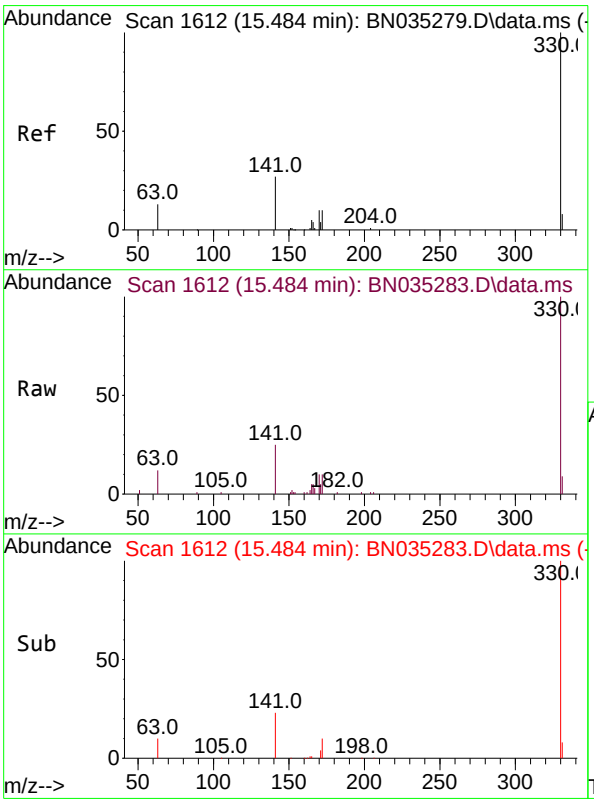
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 3371

Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.0	123.0
160	81.9	63.0	94.4

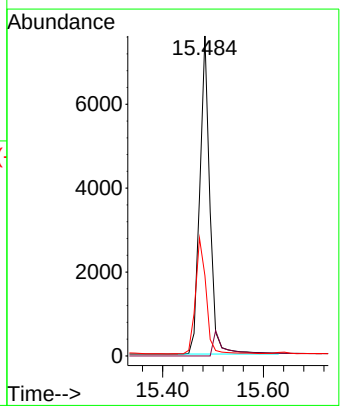


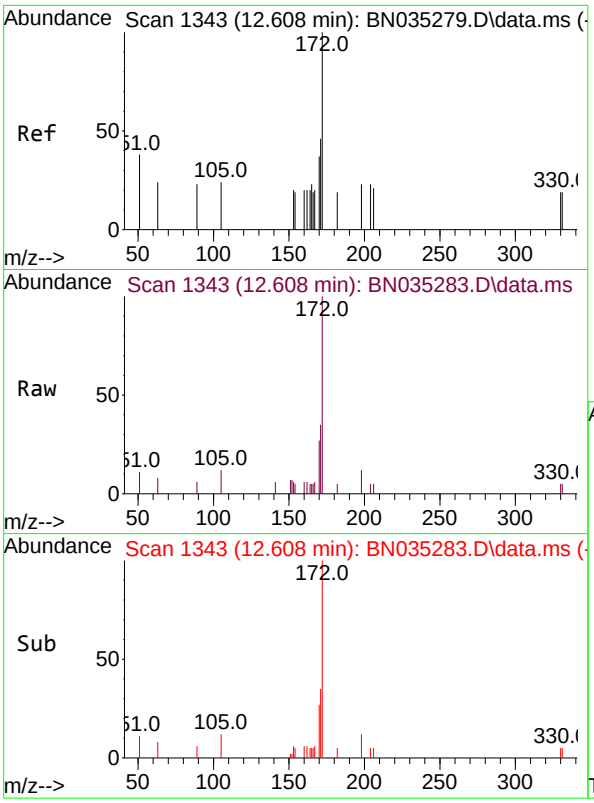


#14
2,4,6-Tribromophenol
Concen: 4.715 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:330 Resp: 11465

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.3	32.4	48.6



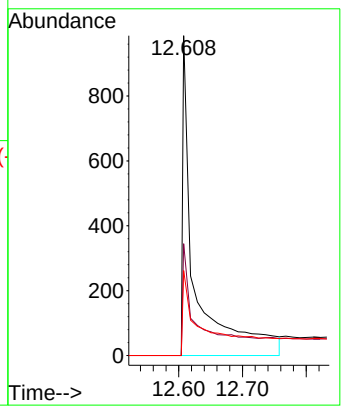


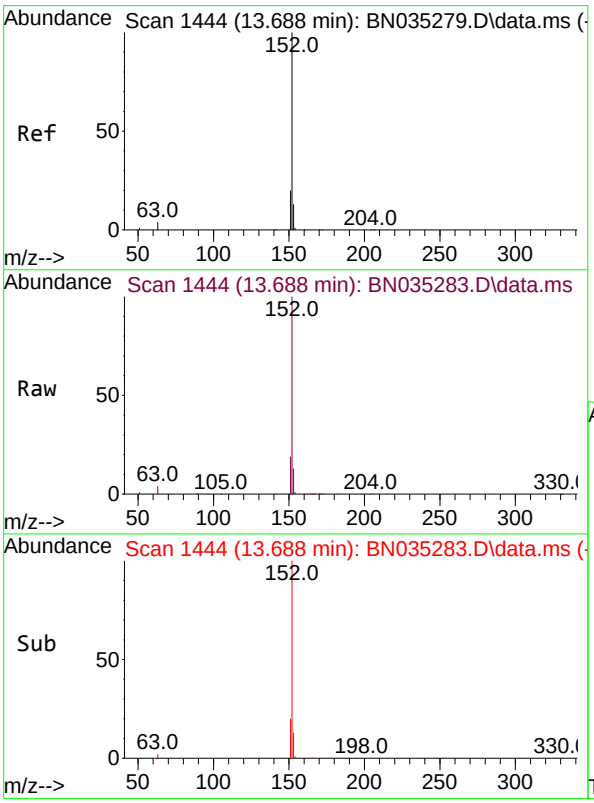
#15
2-Fluorobiphenyl
Concen: 0.102 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 1400

Ion	Ratio	Lower	Upper
172	100		
171	35.0	36.6	55.0#
170	26.6	29.7	44.5#

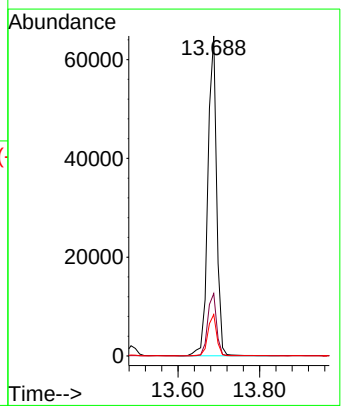


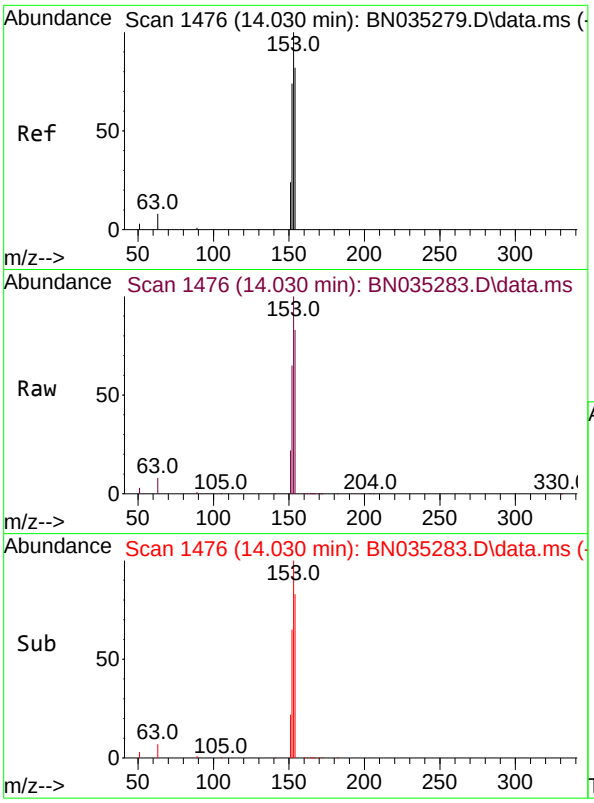


#16
Acenaphthylene
Concen: 6.708 ng
RT: 13.688 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:152 Resp: 96646

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	12.9	10.2	15.4



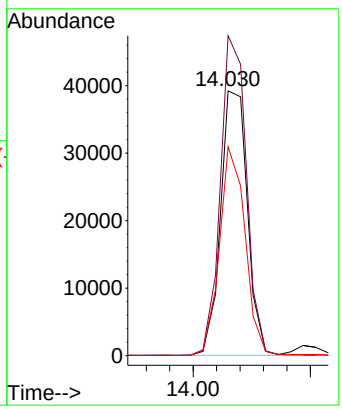


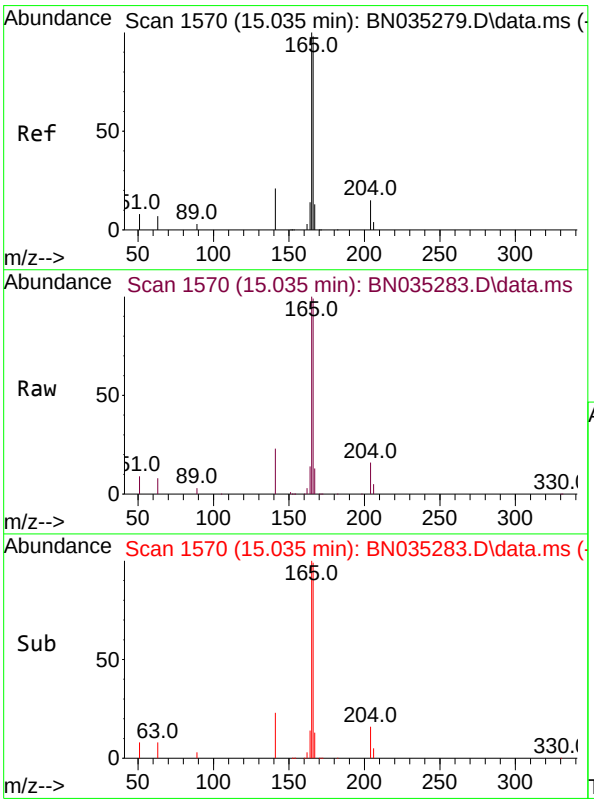
#17
Acenaphthene
Concen: 6.574 ng
RT: 14.030 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 62066

Ion	Ratio	Lower	Upper
154	100		
153	117.7	96.1	144.1
152	76.1	72.2	108.2

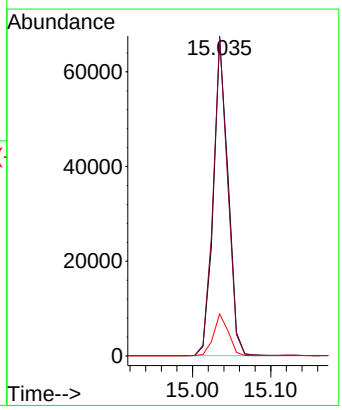


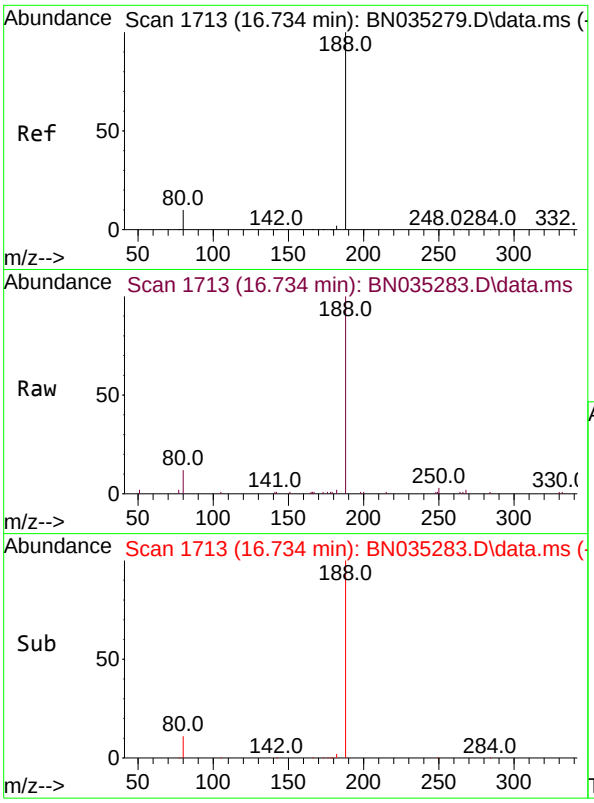


#18
Fluorene
Concen: 6.276 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:166 Resp: 87161

Ion	Ratio	Lower	Upper
166	100		
165	100.1	81.2	121.8
167	13.3	10.5	15.7



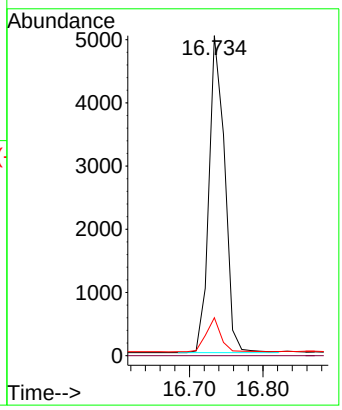


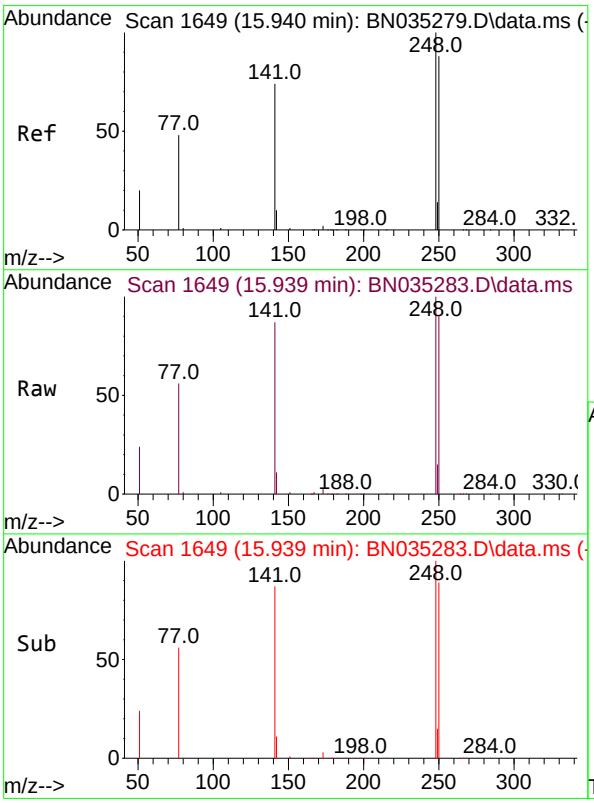
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 7456

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.9	8.9	13.3

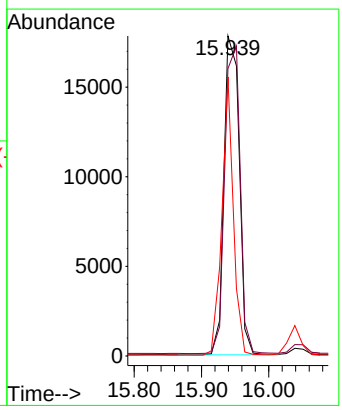


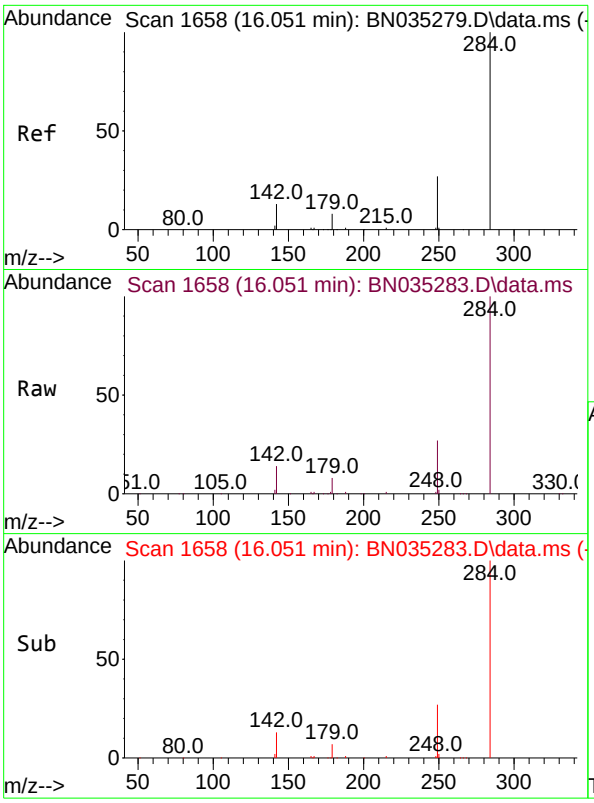


#21
4-Bromophenyl-phenylether
Concen: 5.884 ng
RT: 15.939 min Scan# 1649
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:248 Resp: 27951

Ion	Ratio	Lower	Upper
248	100		
250	89.8	74.8	112.2
141	87.2	59.0	88.4



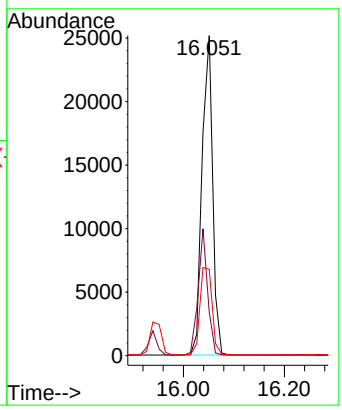


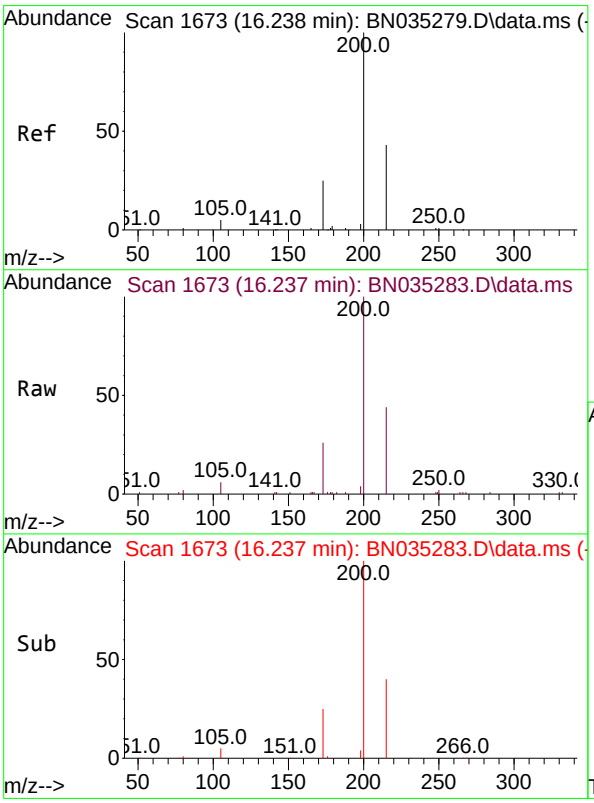
#22
Hexachlorobenzene
Concen: 7.450 ng
RT: 16.051 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:284 Resp: 36728

Ion	Ratio	Lower	Upper
284	100		
142	35.3	28.7	43.1
249	31.4	25.4	38.0

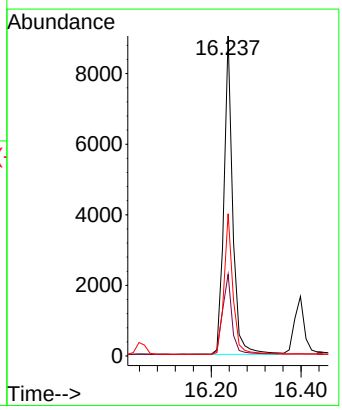


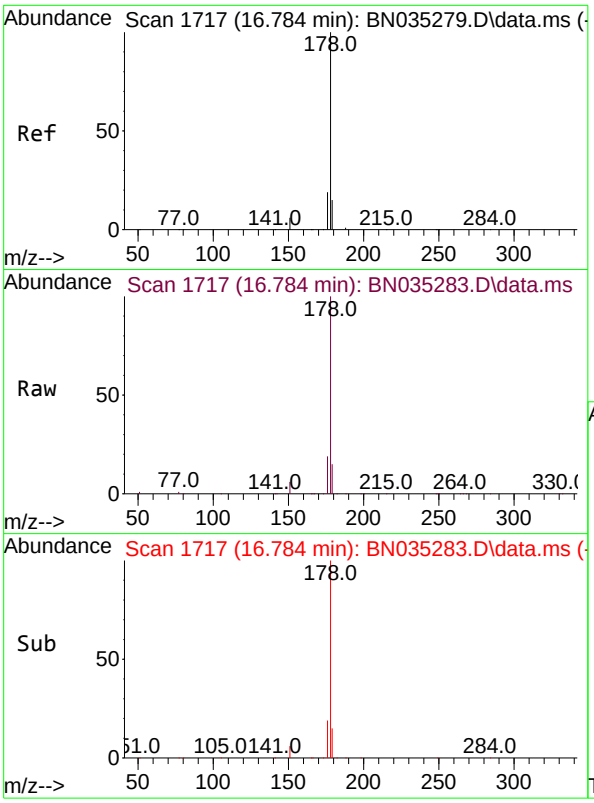


#23
Atrazine
Concen: 2.900 ng
RT: 16.237 min Scan# 1673
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:200 Resp: 12358

Ion	Ratio	Lower	Upper
200	100		
173	25.5	25.8	38.8#
215	44.4	38.6	58.0



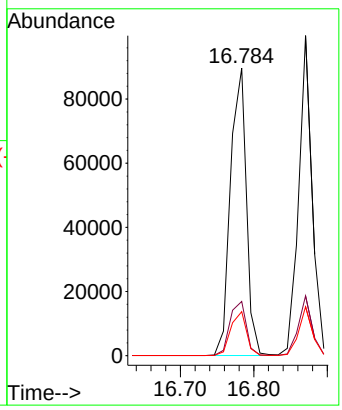


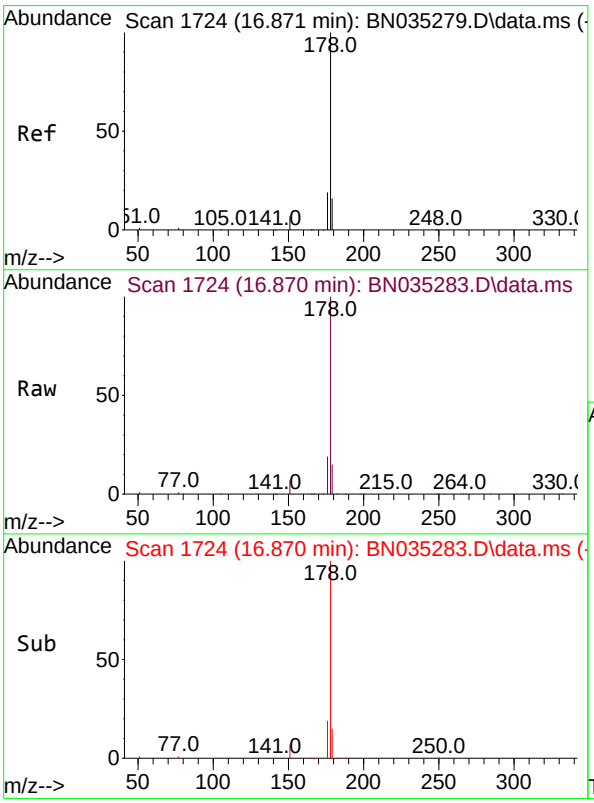
#25
Phenanthrene
Concen: 6.879 ng
RT: 16.784 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 134973

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.1	12.6	18.8

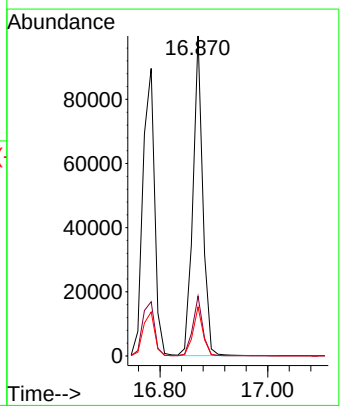


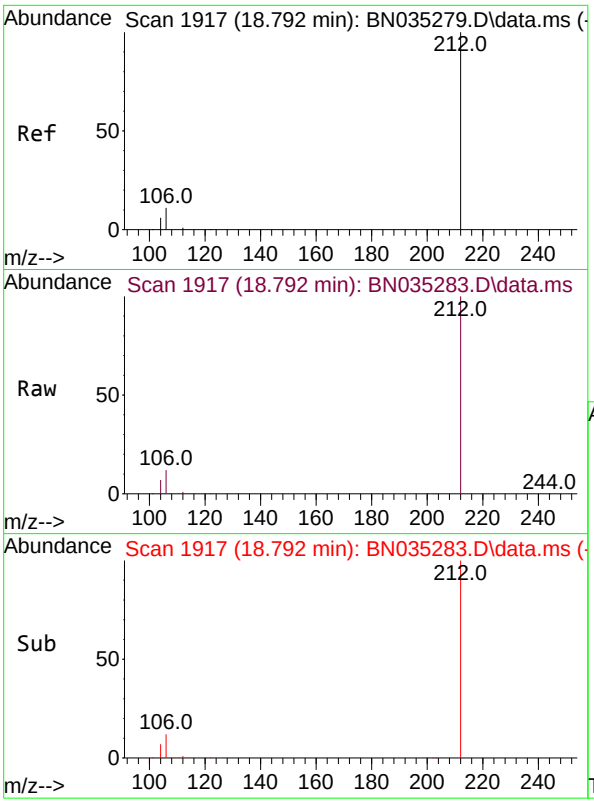


#26
Anthracene
Concen: 7.069 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:178 Resp: 127410

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.3	12.4	18.6



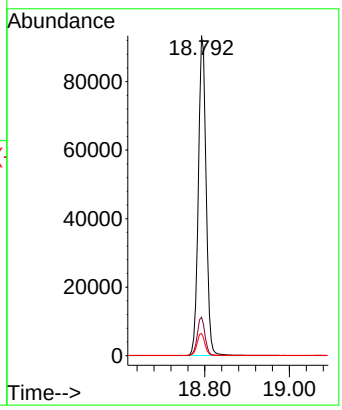


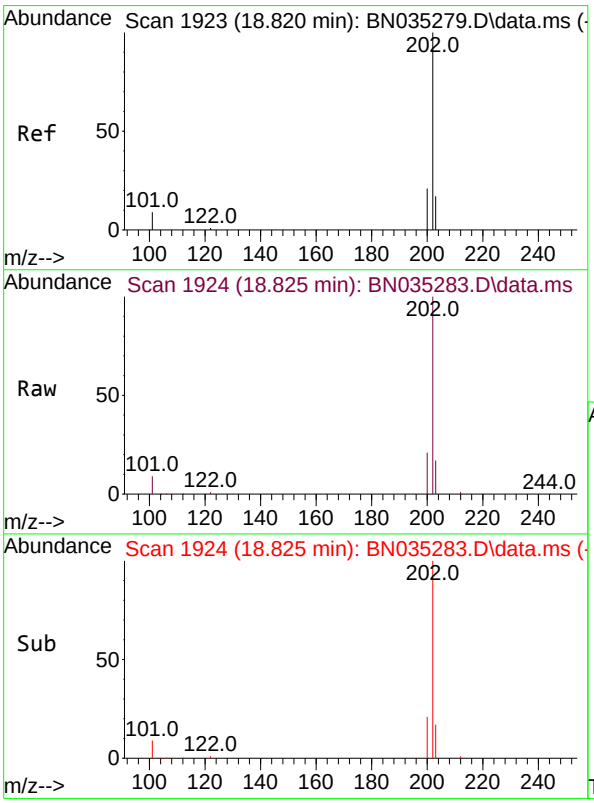
#27
Fluoranthene-d10
Concen: 5.178 ng
RT: 18.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 118272

Ion	Ratio	Lower	Upper
212	100		
106	12.0	9.8	14.8
104	7.0	5.6	8.4

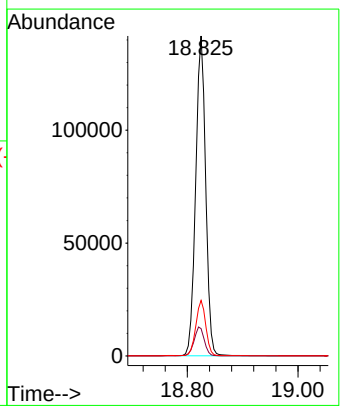


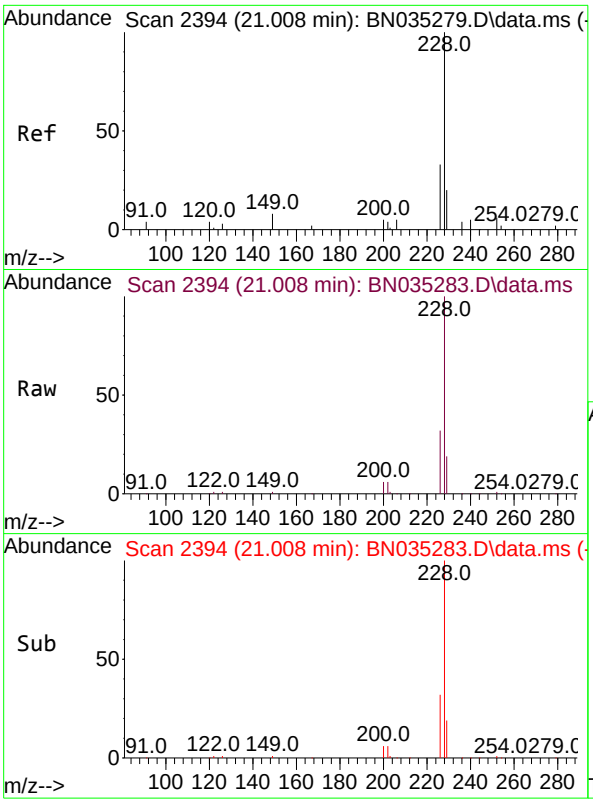


#28
Fluoranthene
Concen: 6.587 ng
RT: 18.825 min Scan# 1924
Delta R.T. 0.005 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:202 Resp: 177741

Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.6	11.4
203	17.3	13.8	20.8



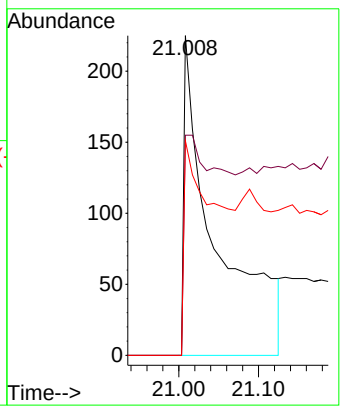


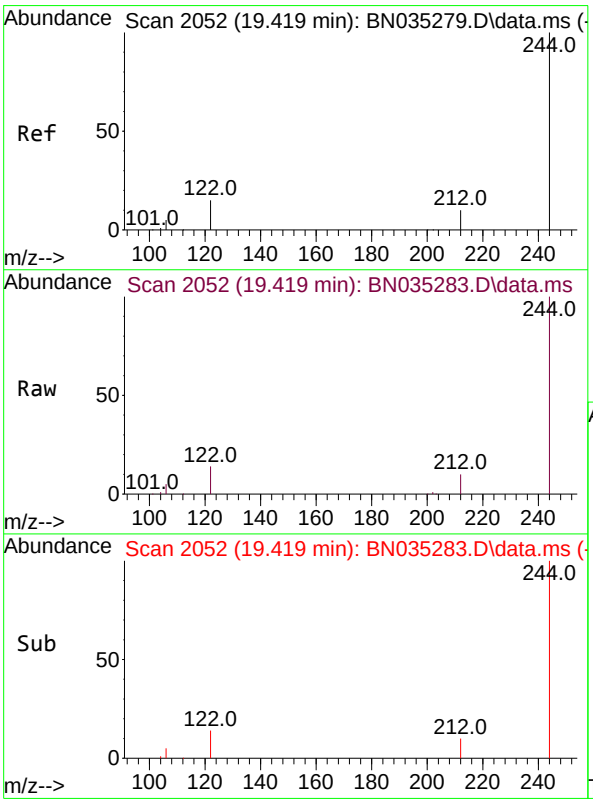
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 600

Ion	Ratio	Lower	Upper
240	100		
120	68.9	54.9	82.3
236	67.1	54.0	81.0

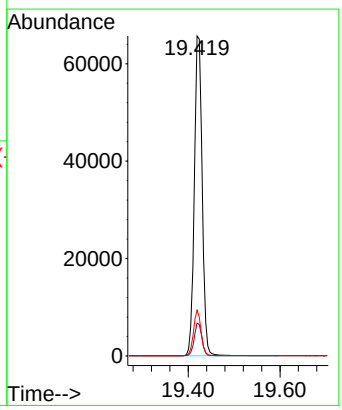


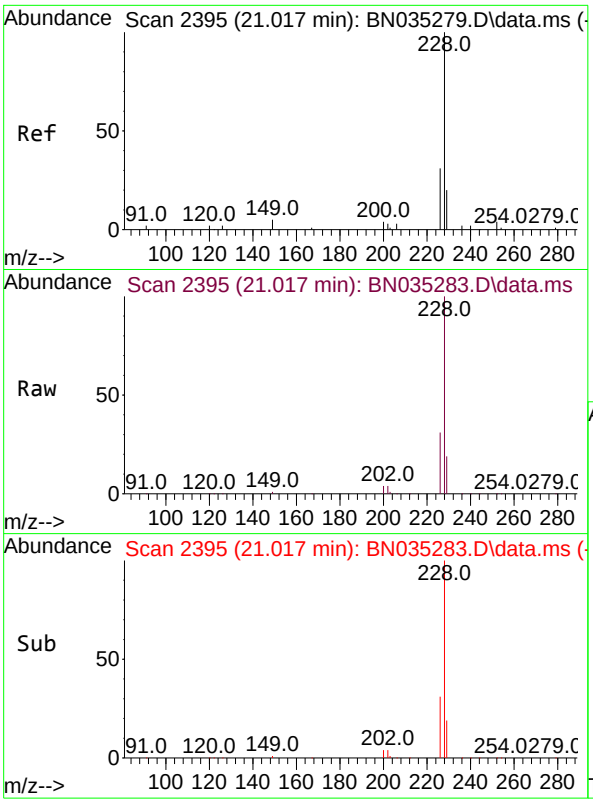


#31
Terphenyl-d14
Concen: 61.679 ng
RT: 19.419 min Scan# 2052
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:244 Resp: 77655

Ion	Ratio	Lower	Upper
244	100		
212	10.3	9.4	14.0
122	14.3	13.0	19.4



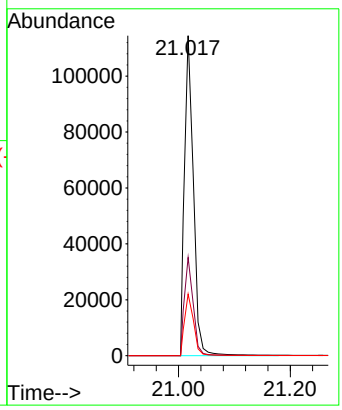


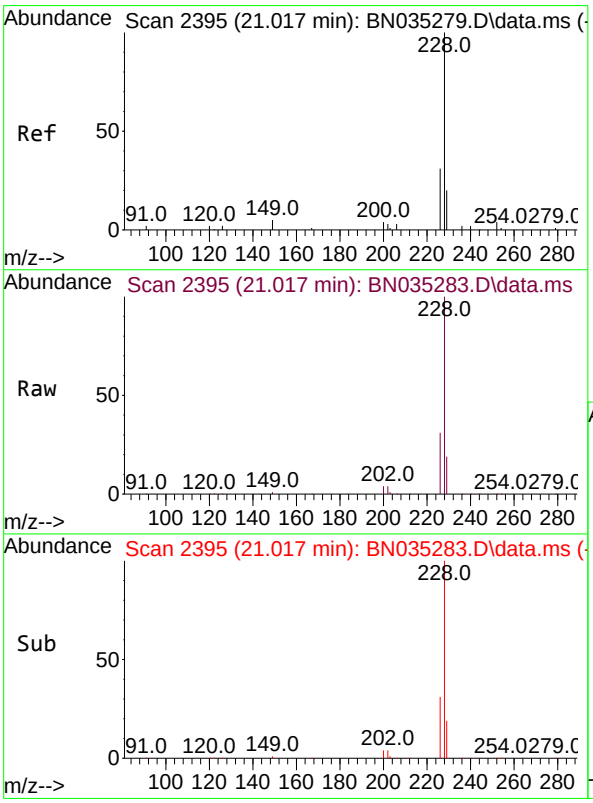
#32
Benzo(a)anthracene
Concen: 61.527 ng
RT: 21.017 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 128544

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	19.2	16.2	24.2

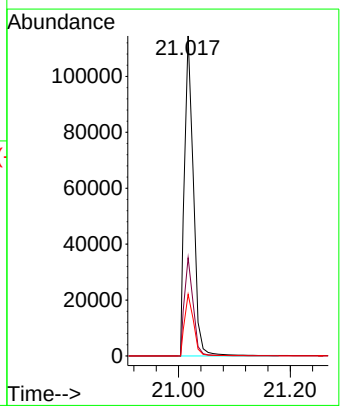


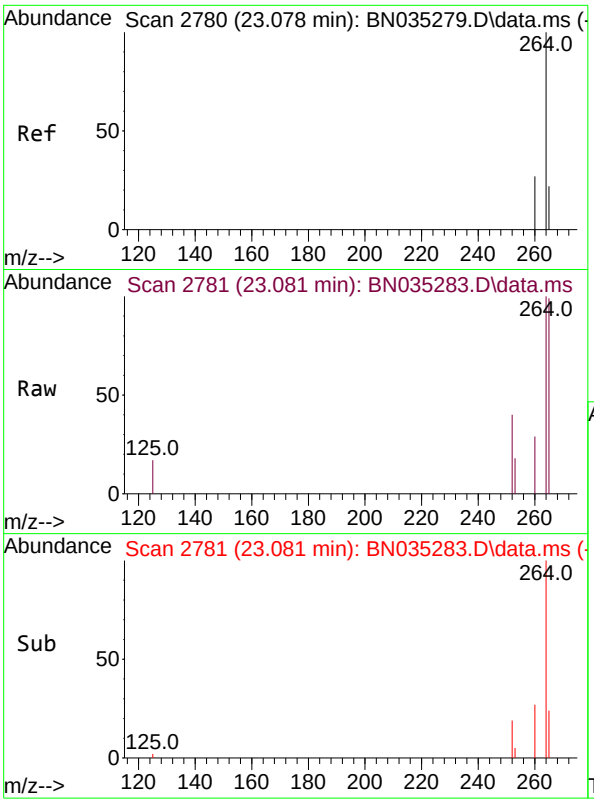


#33
Chrysene
Concen: 62.111 ng
RT: 21.017 min Scan# 2395
Delta R.T. -0.000 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:228 Resp: 128544

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	19.2	16.2	24.2



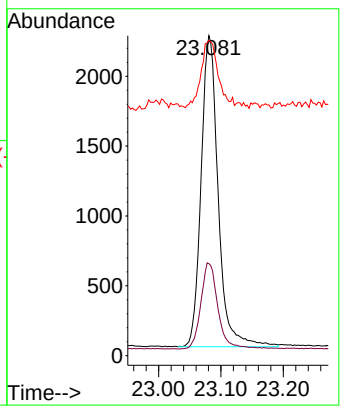


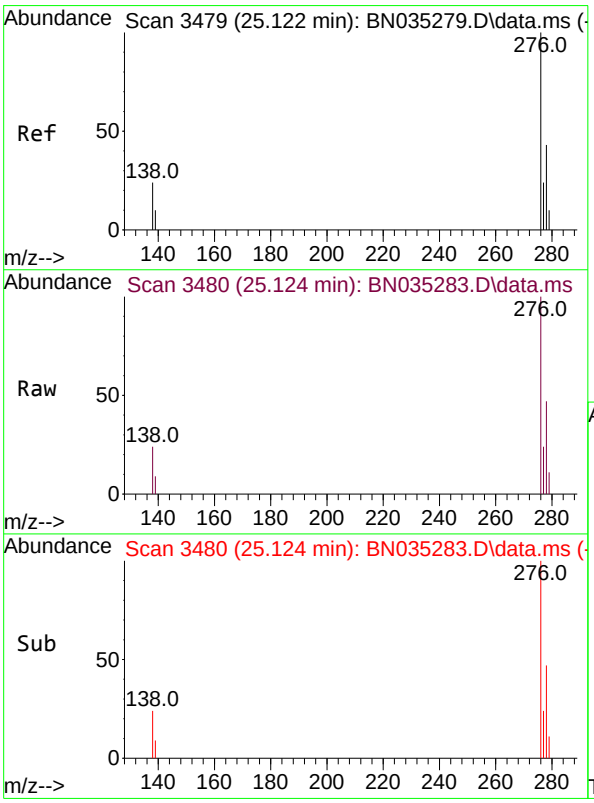
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.081 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:264 Resp: 4243

Ion	Ratio	Lower	Upper
264	100		
260	28.8	22.3	33.5
265	98.6	68.6	103.0

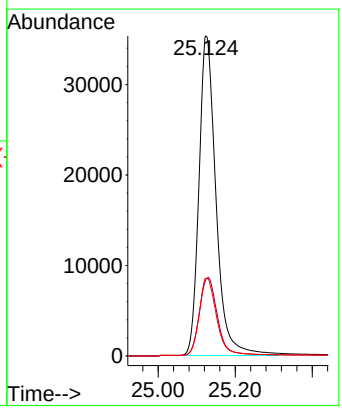


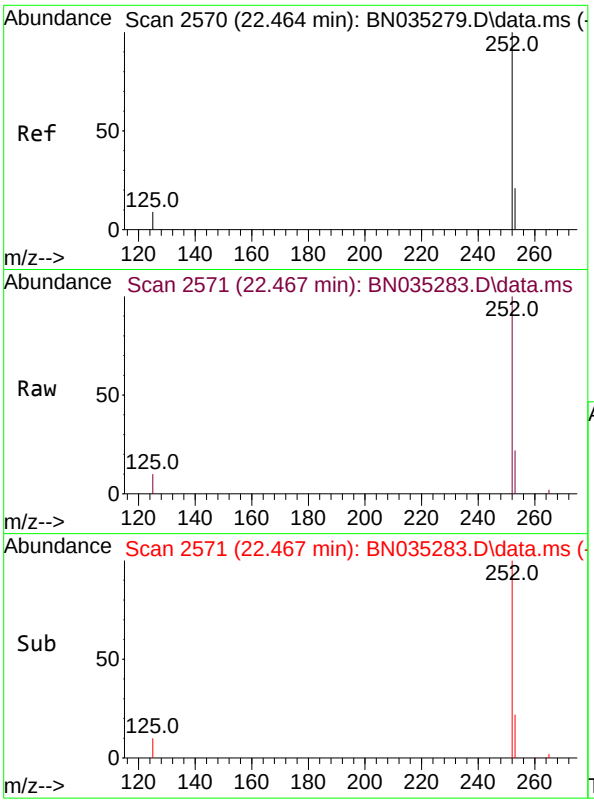


#36
Indeno(1,2,3-cd)pyrene
Concen: 6.420 ng
RT: 25.124 min Scan# 3480
Delta R.T. 0.003 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:276 Resp: 108670

Ion	Ratio	Lower	Upper
276	100		
138	25.5	18.8	28.2
277	24.8	18.2	27.4



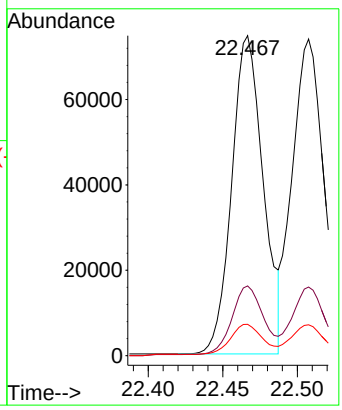


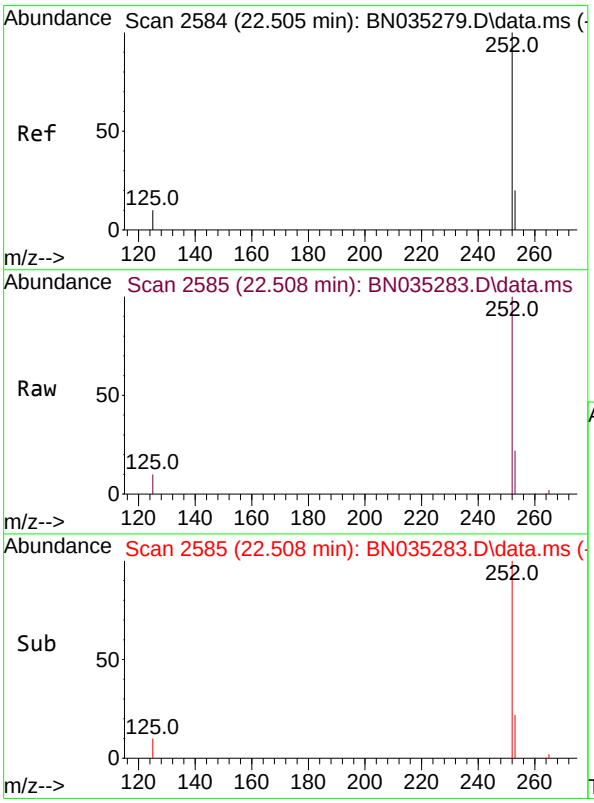
#37
Benzo(b)fluoranthene
Concen: 7.668 ng
RT: 22.467 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 109463

Ion	Ratio	Lower	Upper
252	100		
253	21.8	20.2	30.2
125	9.8	12.0	18.0#

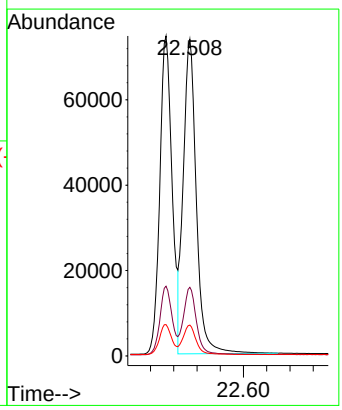


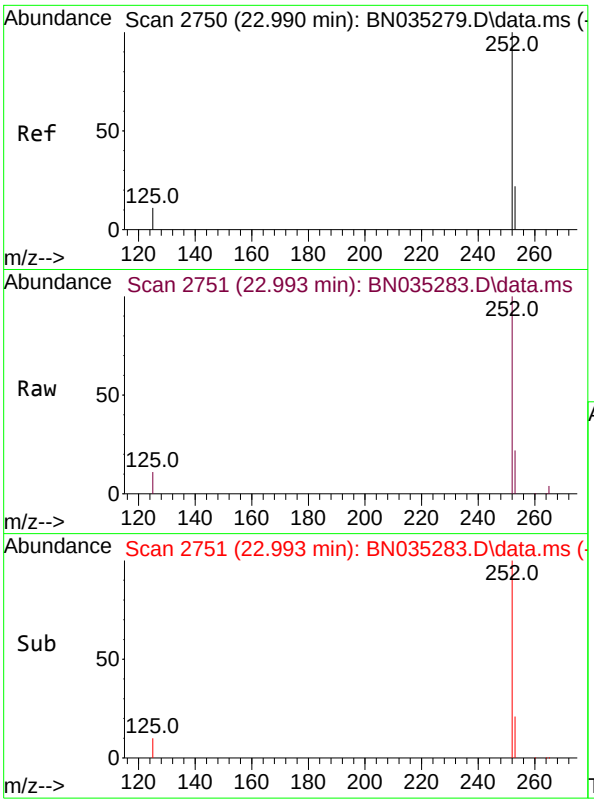


#38
Benzo(k)fluoranthene
Concen: 8.038 ng
RT: 22.508 min Scan# 2585
Delta R.T. 0.003 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:252 Resp: 114816

Ion	Ratio	Lower	Upper
252	100		
253	21.7	20.1	30.1
125	9.8	12.7	19.1#



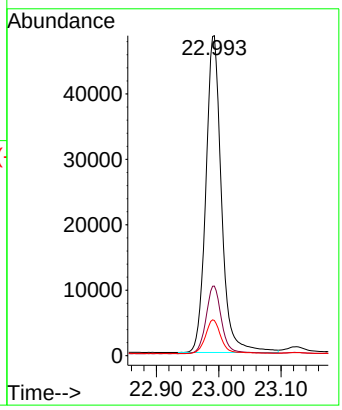


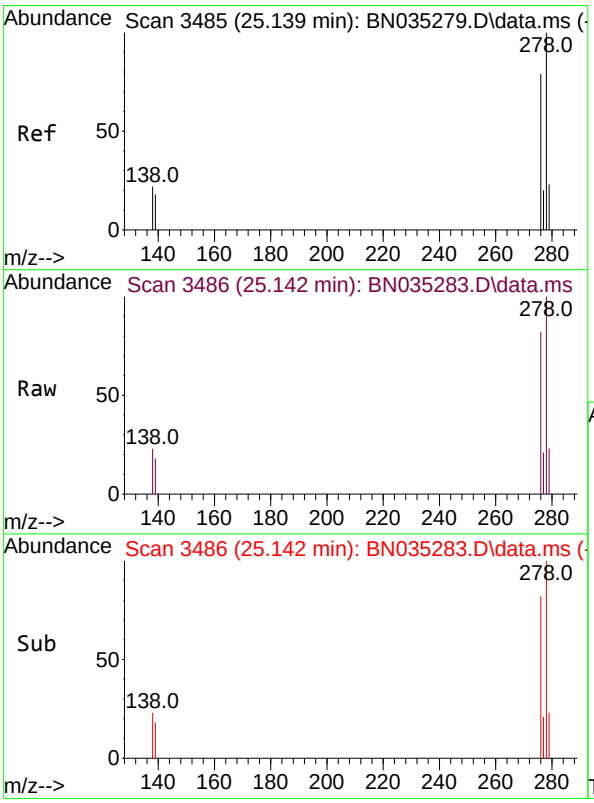
#39
Benzo(a)pyrene
Concen: 6.696 ng
RT: 22.993 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 84108

Ion	Ratio	Lower	Upper
252	100		
253	21.7	22.3	33.5#
125	11.0	15.3	22.9#

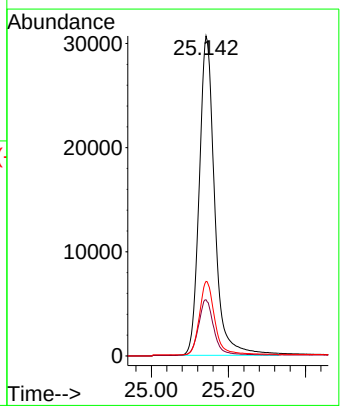


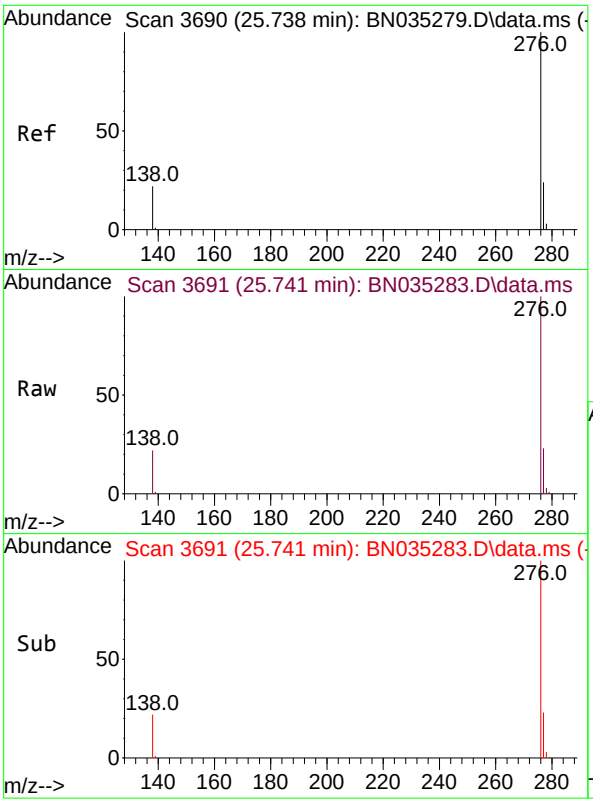


#40
Dibenzo(a,h)anthracene
Concen: 6.375 ng
RT: 25.142 min Scan# 3486
Delta R.T. 0.003 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Tgt Ion:278 Resp: 85497

Ion	Ratio	Lower	Upper
278	100		
139	17.6	17.0	25.6
279	23.3	23.0	34.4



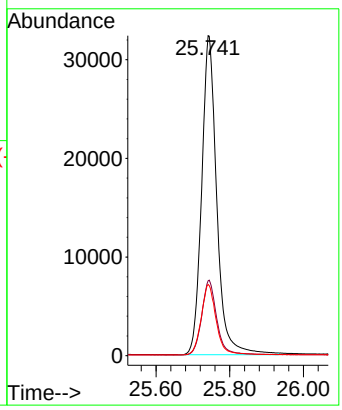


#41
Benzo(g,h,i)perylene
Concen: 6.459 ng
RT: 25.741 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN035283.D
Acq: 25 Nov 2024 13:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 92138

Ion	Ratio	Lower	Upper
276	100		
277	23.4	21.1	31.7
138	22.3	19.8	29.8



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035284.D
Acq On : 25 Nov 2024 14:29
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 25 22:35:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	2519	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	5593	0.400	ng	0.00
13) Acenaphthene-d10	13.976	164	2659	0.400	ng	# 0.00
19) Phenanthrene-d10	16.734	188	5748	0.400	ng	0.00
29) Chrysene-d12	21.008	240	611	0.400	ng	0.00
35) Perylene-d12	23.081	264	3470	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	1712	0.360	ng	0.00
5) Phenol-d6	6.521	99	2314	0.348	ng	0.00
8) Nitrobenzene-d5	8.450	82	2129	0.469	ng	0.00
11) 2-Methylnaphthalene-d10	11.667	152	2635	0.337	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	546	0.402	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	683	0.465	ng	0.00
27) Fluoranthene-d10	18.792	212	5270m	0.343	ng	0.00
31) Terphenyl-d14	19.419	244	3187	0.282	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	689	0.381	ng	# 83
3) n-Nitrosodimethylamine	3.299	42	809	0.431	ng	# 76
6) bis(2-Chloroethyl)ether	6.766	93	2132	0.381	ng	99
9) Naphthalene	10.116	128	5975	0.385	ng	99
10) Hexachlorobutadiene	10.415	225	1929	0.442	ng	# 100
12) 2-Methylnaphthalene	11.742	142	3297	0.325	ng	98
16) Acenaphthylene	13.688	152	5175	0.387	ng	99
17) Acenaphthene	14.030	154	3227	0.383	ng	# 90
18) Fluorene	15.035	166	4194	0.355	ng	97
20) 4,6-Dinitro-2-methylph...	15.131	198	239	0.477	ng	98
21) 4-Bromophenyl-phenylether	15.940	248	1328	0.364	ng	92
22) Hexachlorobenzene	16.051	284	2564	0.491	ng	98
23) Atrazine	16.237	200	643	0.419	ng	98
24) Pentachlorophenol	16.399	266	510	0.407	ng	95
25) Phenanthrene	16.784	178	6385	0.362	ng	100
26) Anthracene	16.870	178	4852	0.320	ng	99
28) Fluoranthene	18.825	202	6686	0.300	ng	99
30) Pyrene	19.192	202	6525	0.294	ng	100
32) Benzo(a)anthracene	21.017	228	5799	0.273	ng	100
33) Chrysene	21.017	228	5799	0.273	ng	100
34) Bis(2-ethylhexyl)phtha...	21.017	149	520	0.041	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.121	276	5652	0.398	ng	99
37) Benzo(b)fluoranthene	22.464	252	5358	0.355	ng	97
38) Benzo(k)fluoranthene	22.508	252	5559	0.348	ng	97
39) Benzo(a)pyrene	22.990	252	4167	0.361	ng	97
40) Dibenzo(a,h)anthracene	25.145	278	4182	0.389	ng	98
41) Benzo(g,h,i)perylene	25.738	276	5121	0.412	ng	99

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

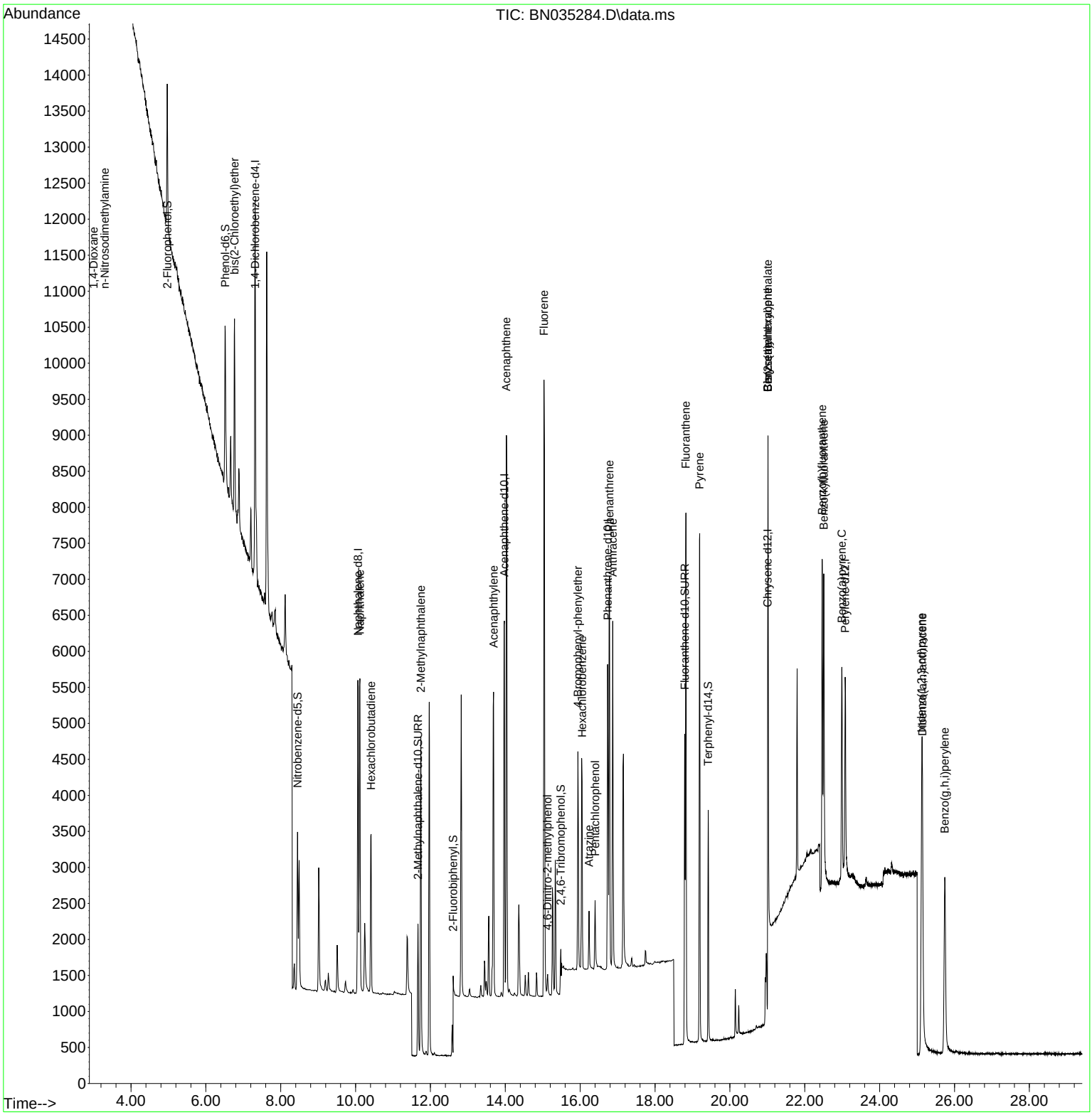
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035284.D
Acq On : 25 Nov 2024 14:29
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 59 Sample Multiplier: 1

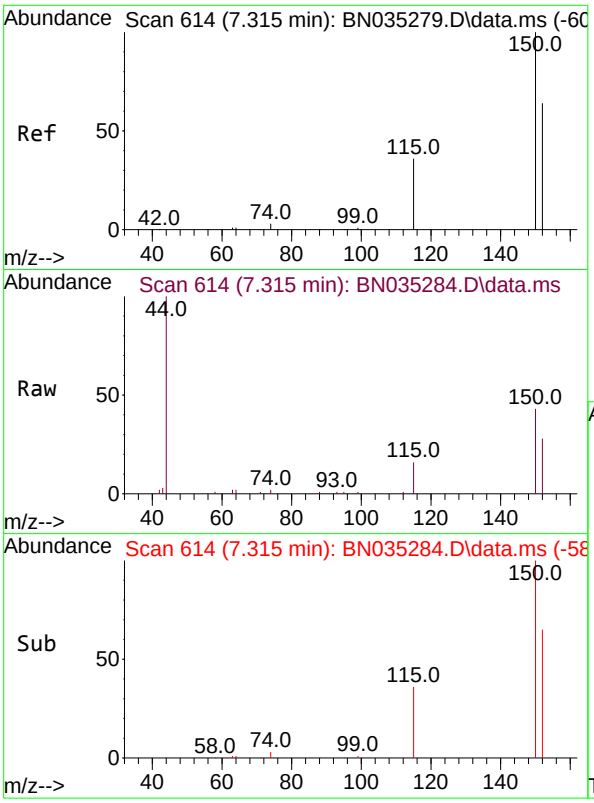
Quant Time: Nov 25 22:35:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

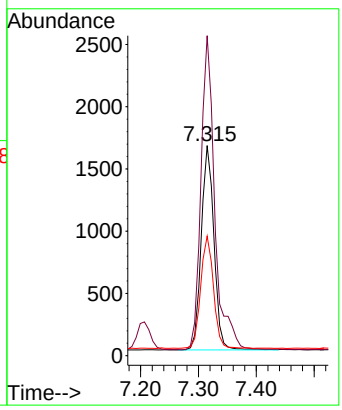




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:152 Resp: 251

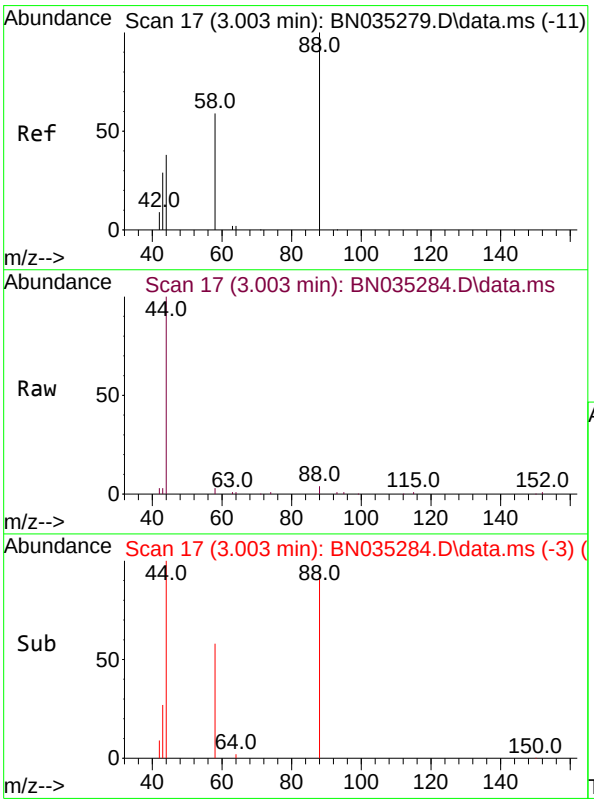
Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.5	186.7
115	56.9	47.8	71.8



Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations APPROVED

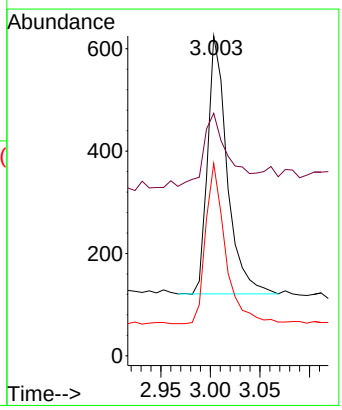
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

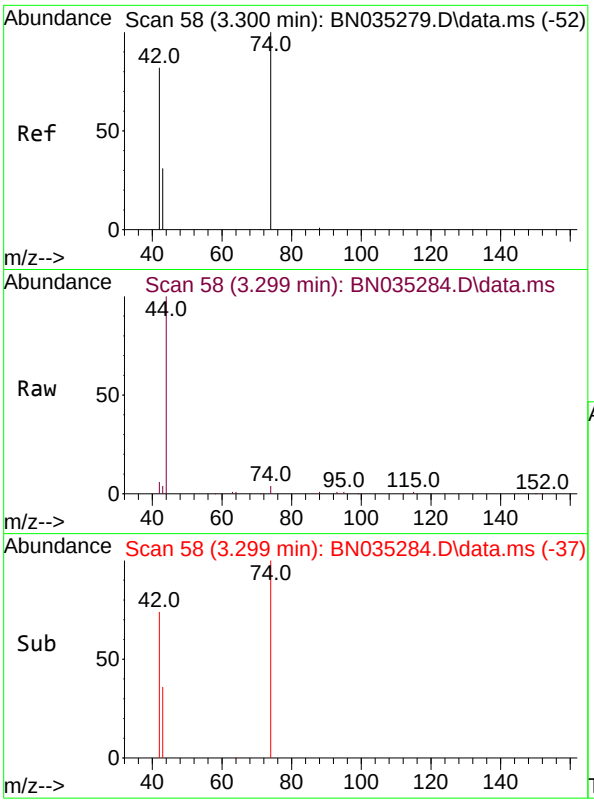


#2
1,4-Dioxane
Concen: 0.381 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion: 88 Resp: 689

Ion	Ratio	Lower	Upper
88	100		
43	38.3	48.1	72.1#
58	62.8	46.9	70.3





#3
n-Nitrosodimethylamine
Concen: 0.431 ng
RT: 3.299 min Scan# 5
Delta R.T. -0.001 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

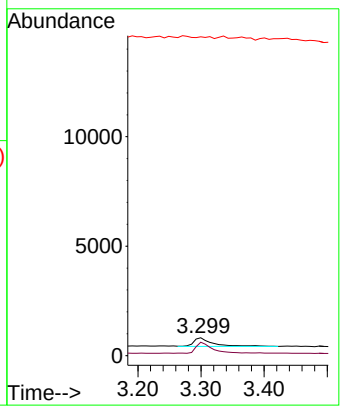
Tgt Ion: 42 Resp: 80

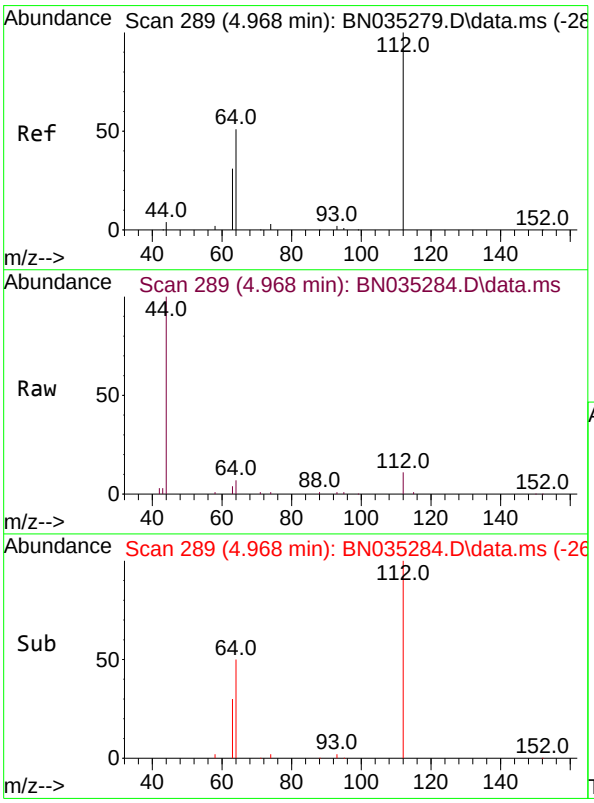
Ion	Ratio	Lower	Upper
42	100		
74	116.4	102.7	154.1
44	0.0	34.1	51.1

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

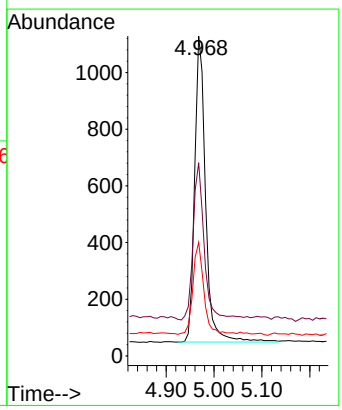


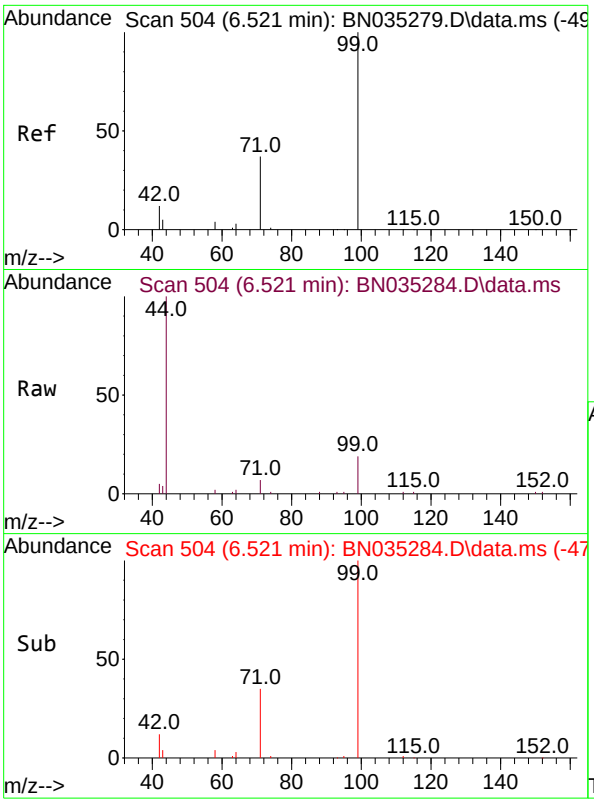


#4
2-Fluorophenol
Concen: 0.360 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:112 Resp: 1712

Ion	Ratio	Lower	Upper
112	100		
64	53.3	40.4	60.6
63	29.8	23.8	35.8

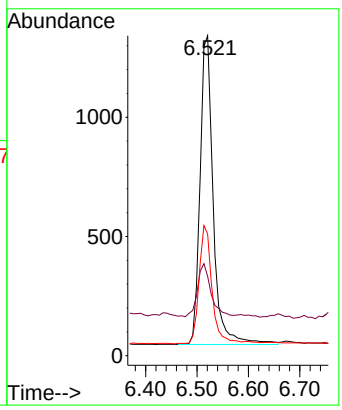




#5
Phenol-d6
Concen: 0.348 ng
RT: 6.521 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion: 99 Resp: 231

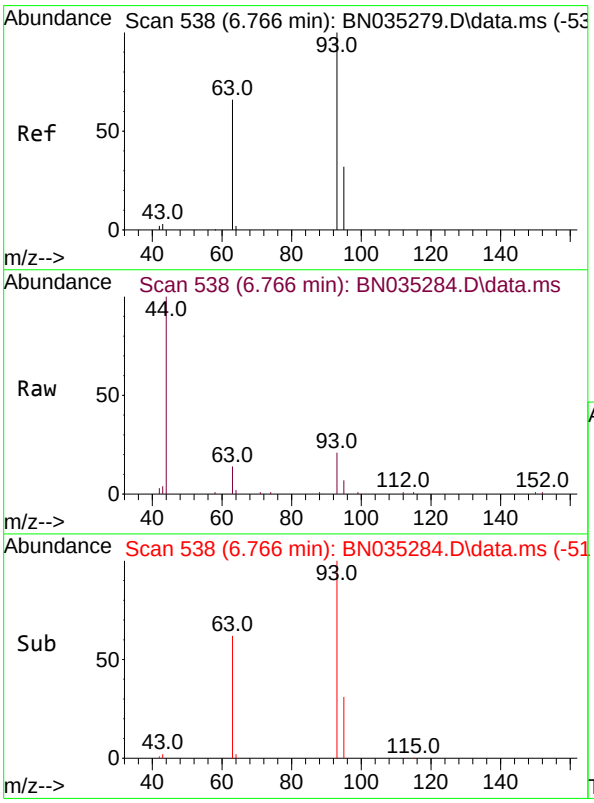
Ion	Ratio	Lower	Upper
99	100		
42	17.3	12.8	19.2
71	38.1	31.4	47.2



Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations
APPROVED

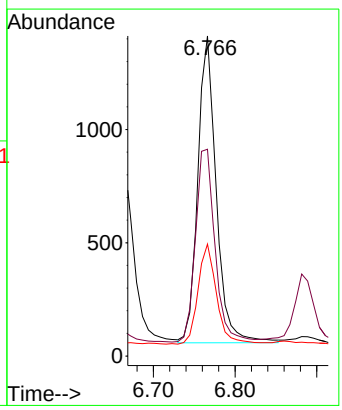
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

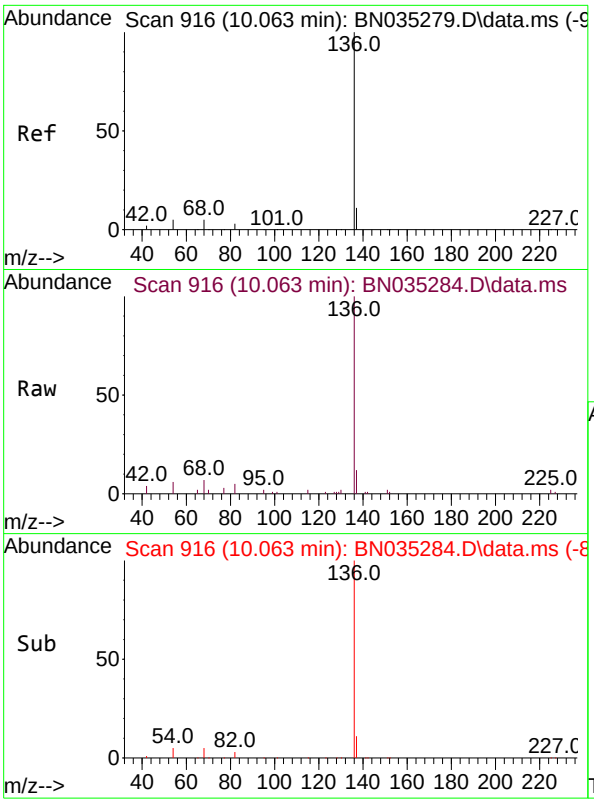


#6
bis(2-Chloroethyl)ether
Concen: 0.381 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion: 93 Resp: 2132

Ion	Ratio	Lower	Upper
93	100		
63	66.4	52.3	78.5
95	32.6	25.5	38.3

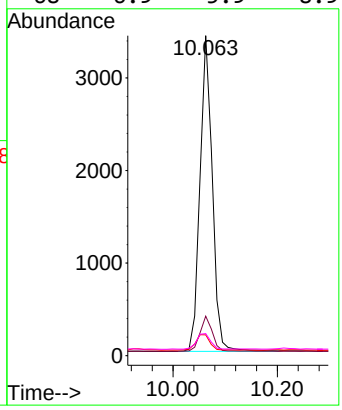




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:136 Resp: 559

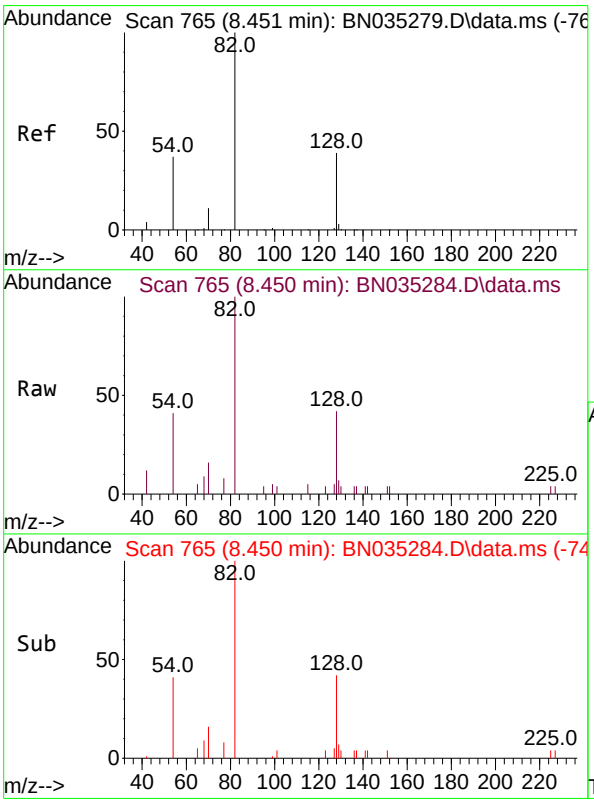
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.7	14.5
54	6.5	5.3	7.9
68	6.9	5.9	8.9



Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations APPROVED

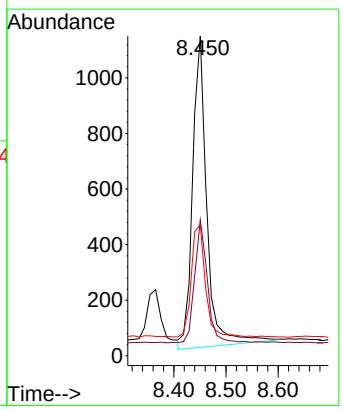
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

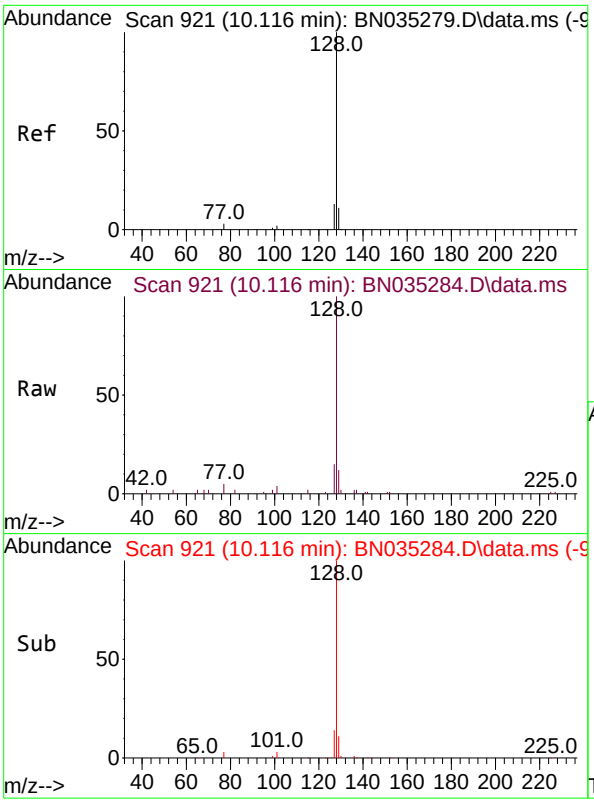


#8
Nitrobenzene-d5
Concen: 0.469 ng
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion: 82 Resp: 2129

Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.0	49.4
54	41.1	33.3	49.9





#9
Naphthalene
Concen: 0.385 ng
RT: 10.116 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

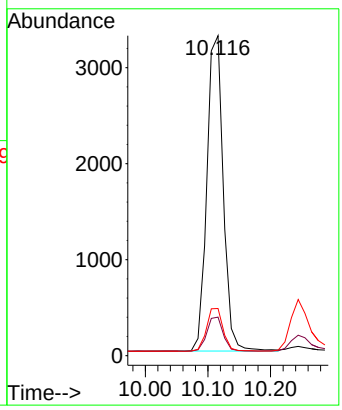
Tgt Ion:128 Resp: 597

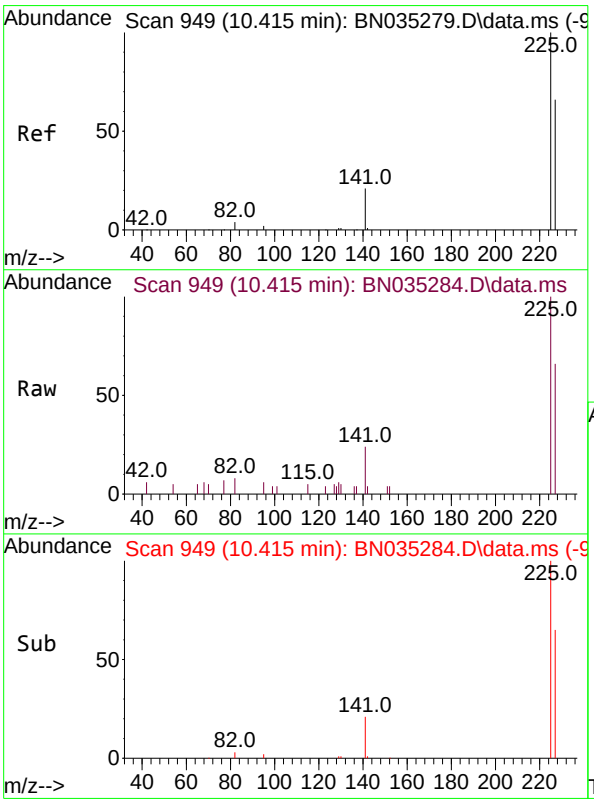
Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.6	14.4
127	14.8	11.3	16.9

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

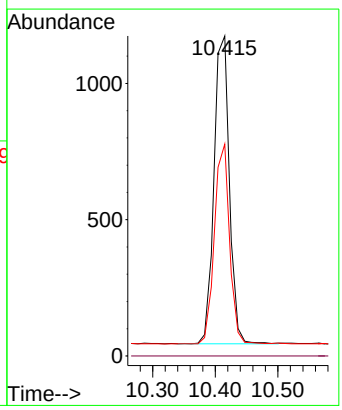


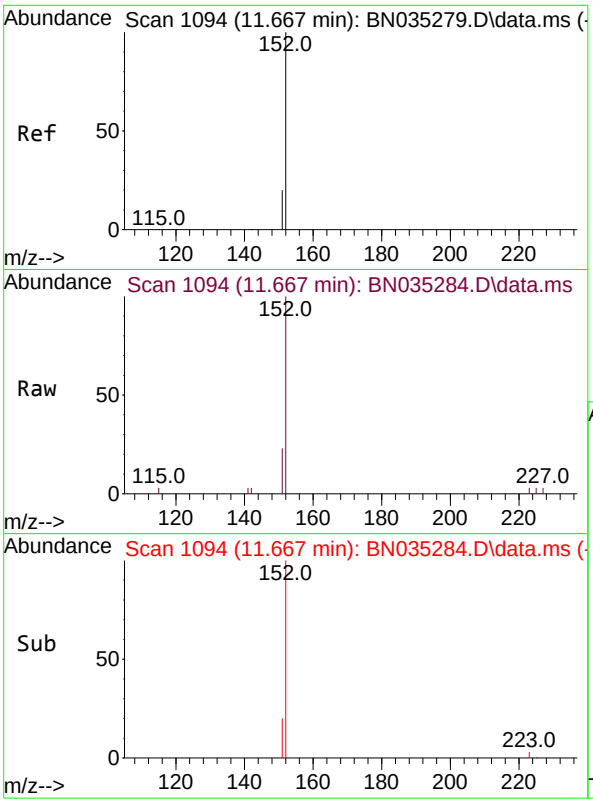


#10
Hexachlorobutadiene
Concen: 0.442 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:225 Resp: 1929

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.3	76.9

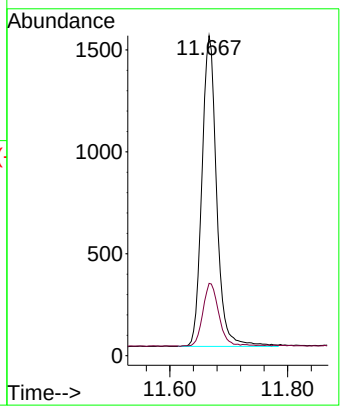




#11
2-Methylnaphthalene-d10
Concen: 0.337 ng
RT: 11.667 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:152 Resp: 263

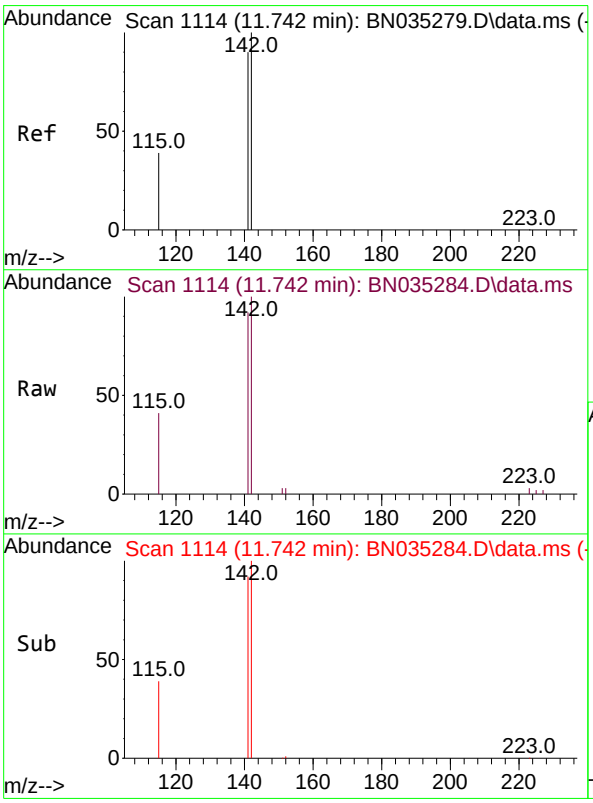
Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.2	25.8



Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations
APPROVED

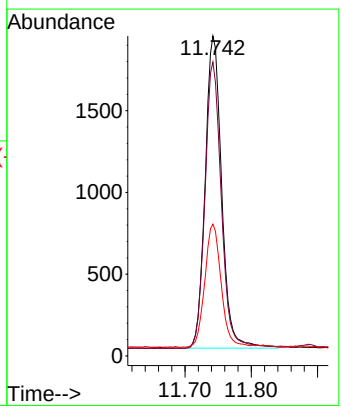
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

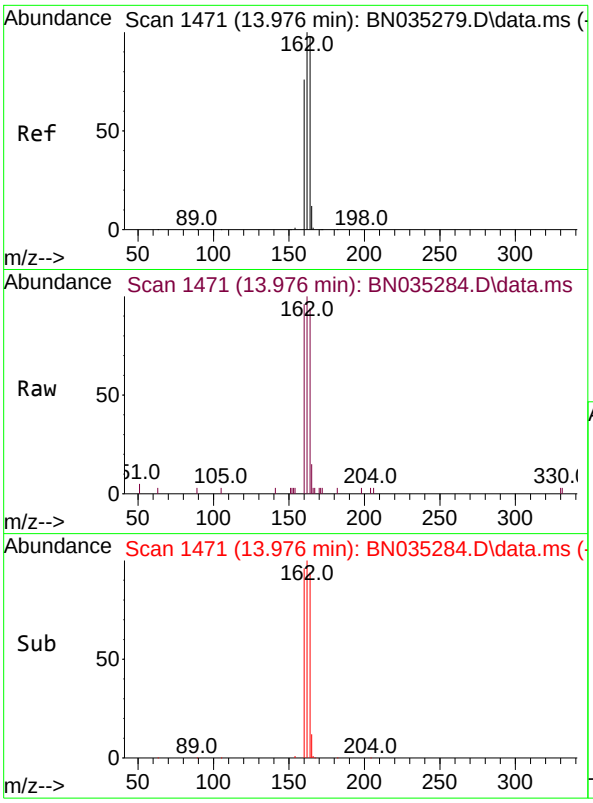


#12
2-Methylnaphthalene
Concen: 0.325 ng
RT: 11.742 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:142 Resp: 3297

Ion	Ratio	Lower	Upper
142	100		
141	91.9	71.8	107.8
115	41.2	32.6	49.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

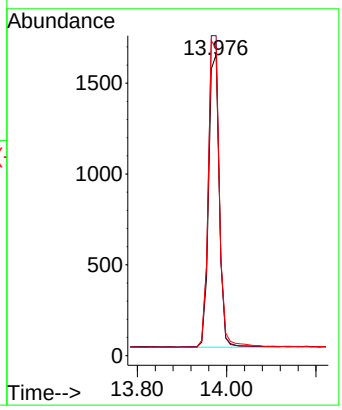
Tgt Ion:164 Resp: 265

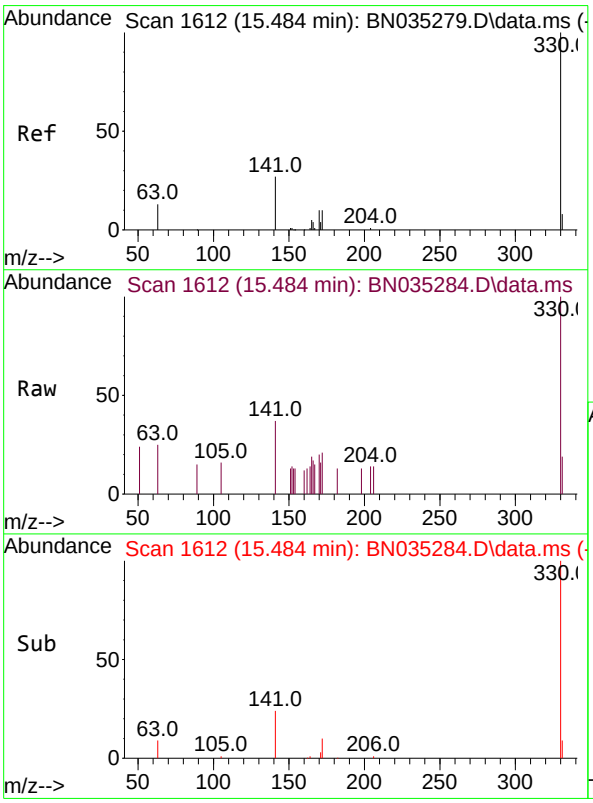
Ion	Ratio	Lower	Upper
164	100		
162	106.3	82.0	123.0
160	101.9	63.0	94.4

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

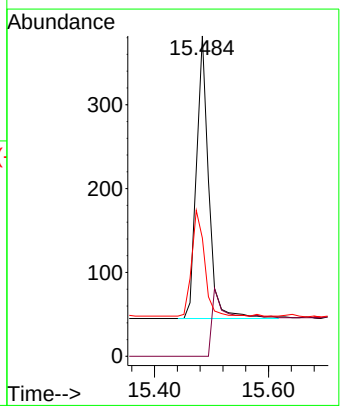


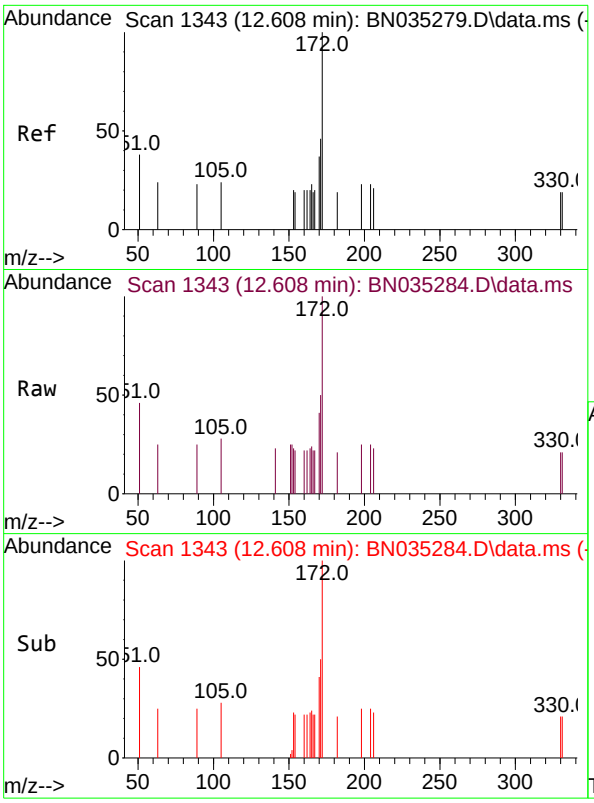


#14
2,4,6-Tribromophenol
Concen: 0.402 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:330 Resp: 546

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.7	32.4	48.6

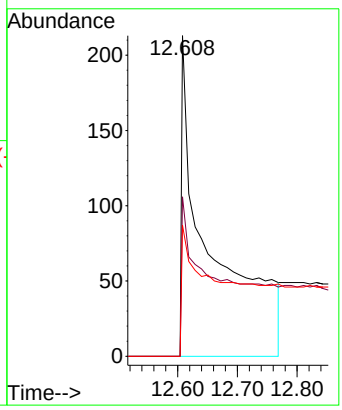




#15
2-Fluorobiphenyl
Concen: 0.465 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:172 Resp: 68

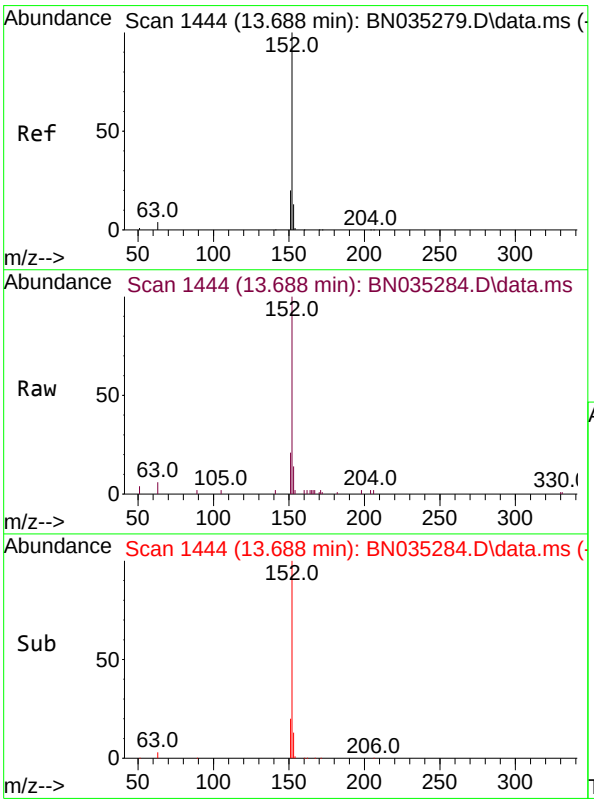
Ion	Ratio	Lower	Upper
172	100		
171	49.8	36.6	55.0
170	40.8	29.7	44.5



Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations
APPROVED

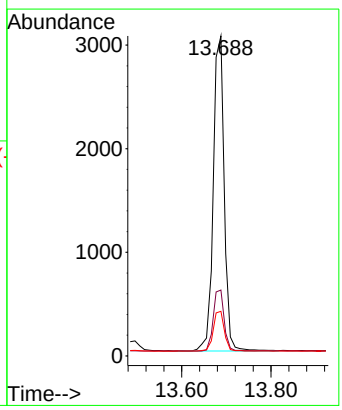
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

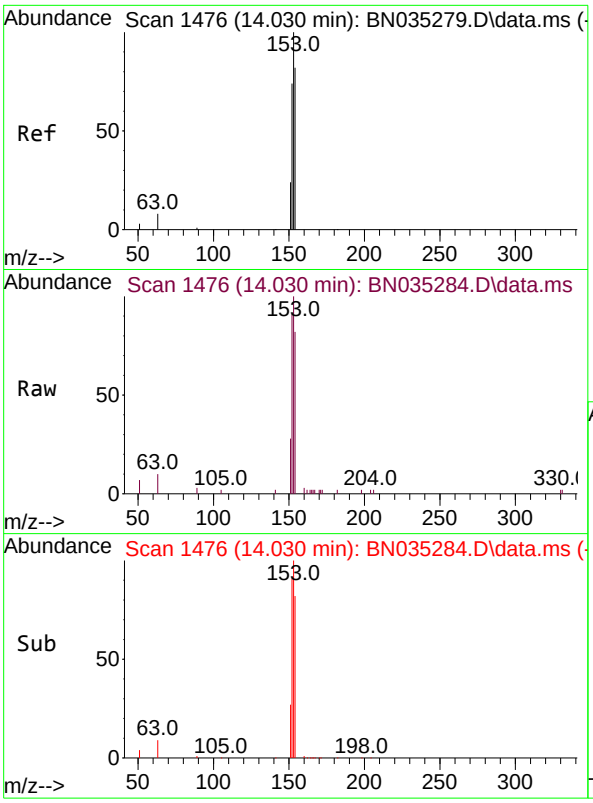


#16
Acenaphthylene
Concen: 0.387 ng
RT: 13.688 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:152 Resp: 5175

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.9	23.9
153	12.9	10.2	15.4

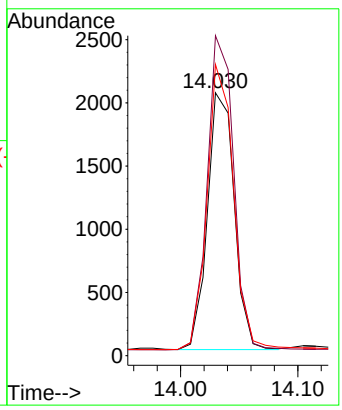




#17
Acenaphthene
Concen: 0.383 ng
RT: 14.030 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:154 Resp: 322

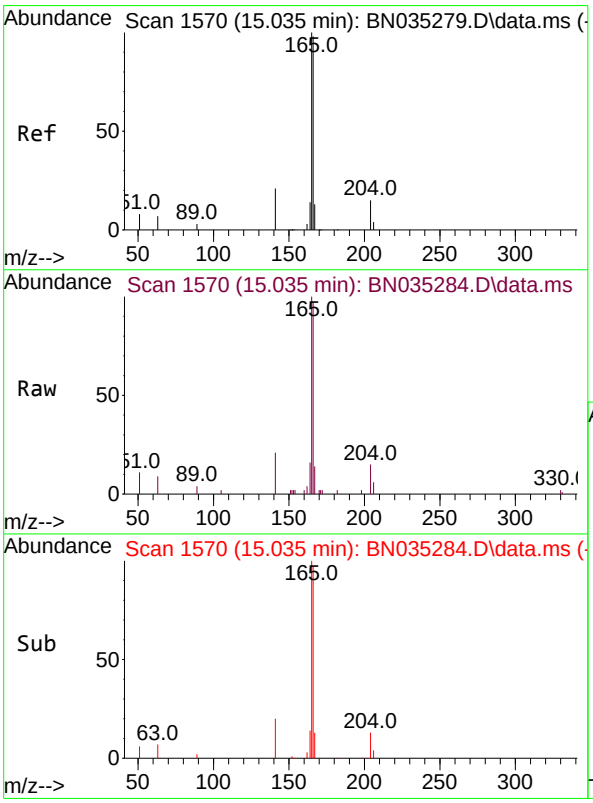
Ion	Ratio	Lower	Upper
154	100		
153	121.8	96.1	144.1
152	111.1	72.2	108.2#



Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations
APPROVED

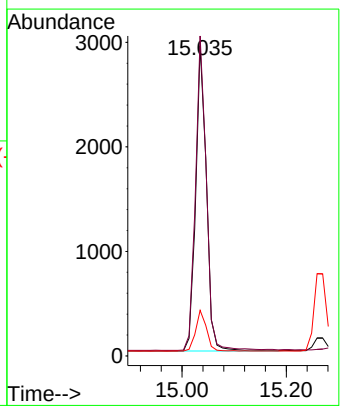
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

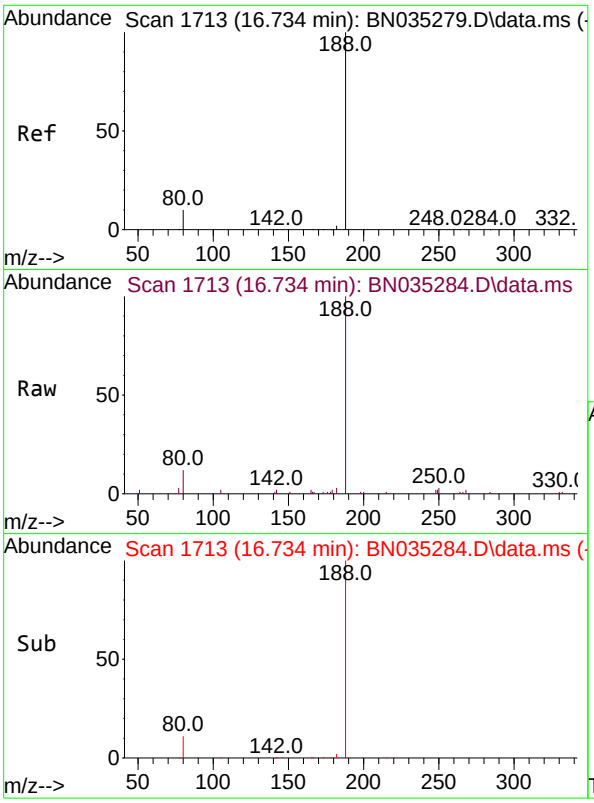


#18
Fluorene
Concen: 0.355 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:166 Resp: 4194

Ion	Ratio	Lower	Upper
166	100		
165	104.2	81.2	121.8
167	13.7	10.5	15.7

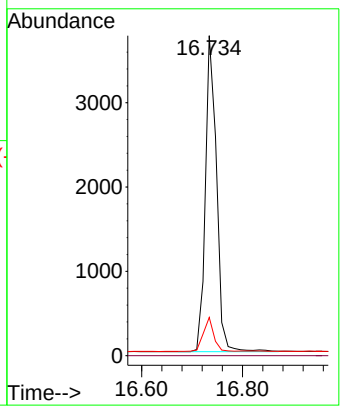




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:188 Resp: 574

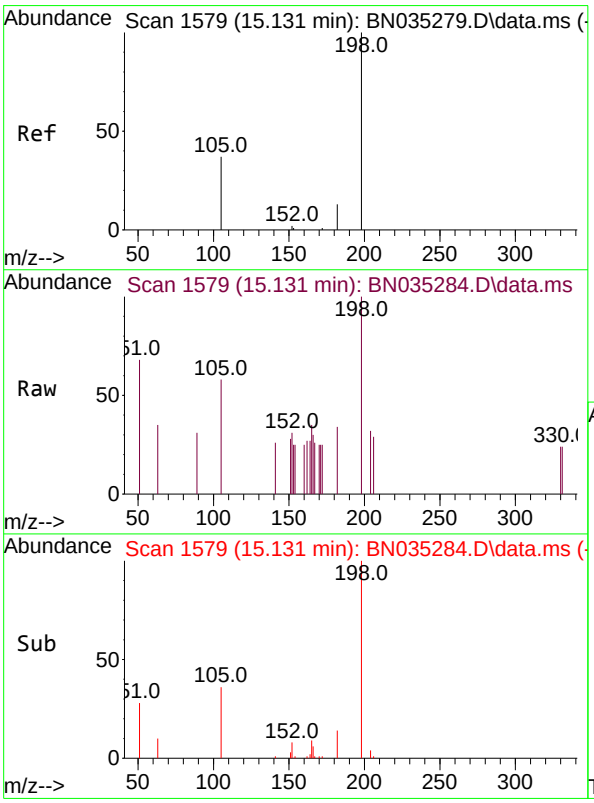
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.9	8.9	13.3



Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations
APPROVED

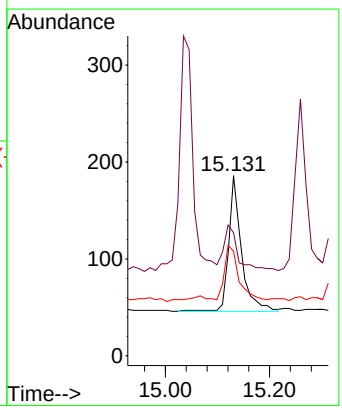
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

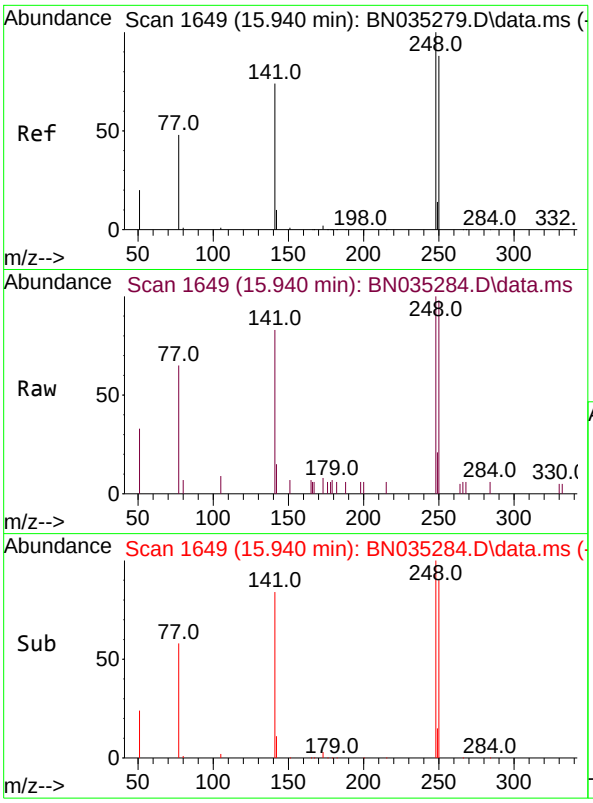


#20
4,6-Dinitro-2-methylphenol
Concen: 0.477 ng
RT: 15.131 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:198 Resp: 239

Ion	Ratio	Lower	Upper
198	100		
51	68.3	53.6	80.4
105	58.1	47.4	71.2

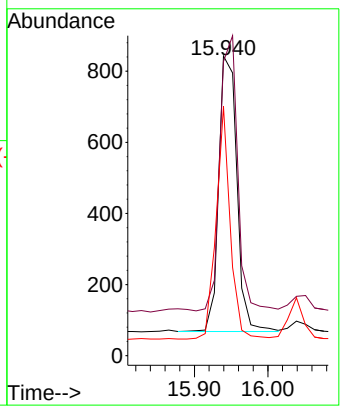




#21
4-Bromophenyl-phenylether
Concen: 0.364 ng
RT: 15.940 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:248 Resp: 132

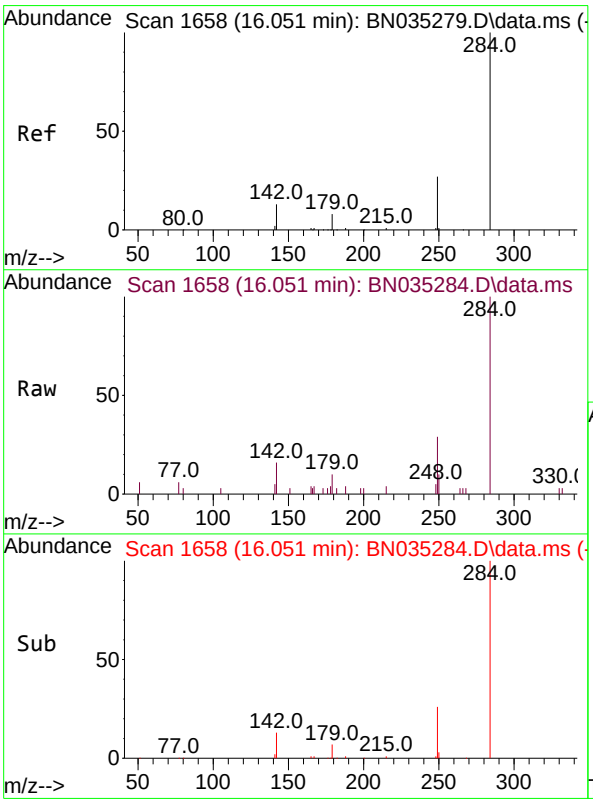
Ion	Ratio	Lower	Upper
248	100		
250	98.1	74.8	112.2
141	83.2	59.0	88.4



Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations
APPROVED

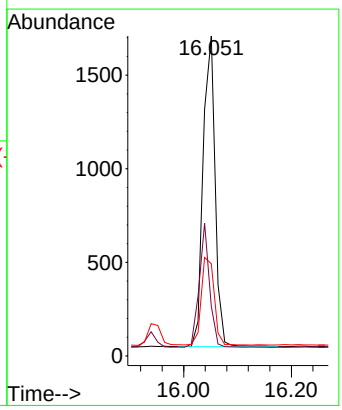
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

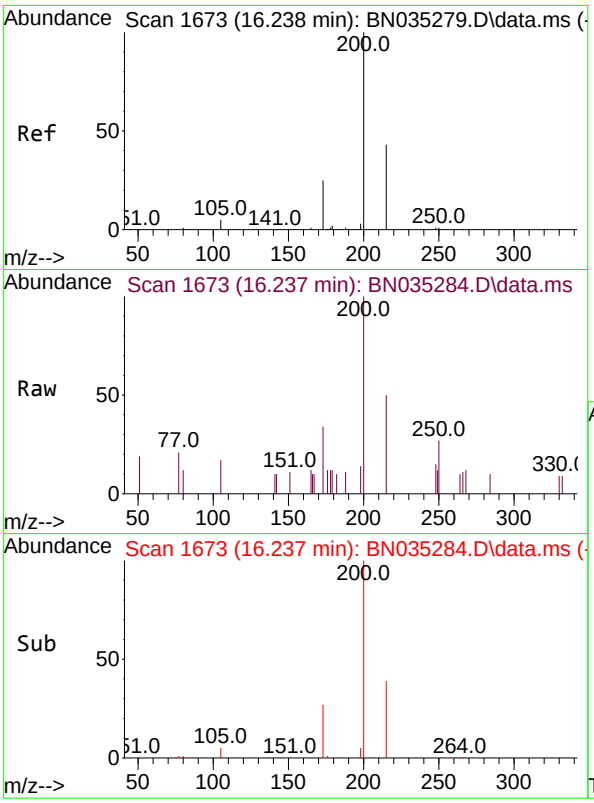


#22
Hexachlorobenzene
Concen: 0.491 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:284 Resp: 2564

Ion	Ratio	Lower	Upper
284	100		
142	35.1	28.7	43.1
249	30.5	25.4	38.0

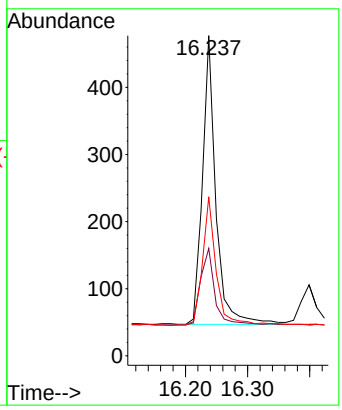




#23
Atrazine
Concen: 0.419 ng
RT: 16.237 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:200 Resp: 64

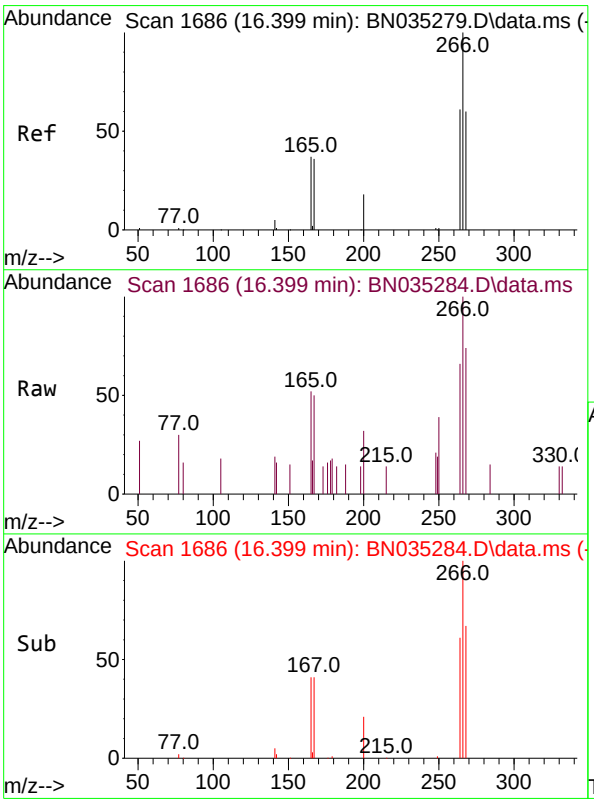
Ion	Ratio	Lower	Upper
200	100		
173	33.5	25.8	38.8
215	49.7	38.6	58.0



Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations APPROVED

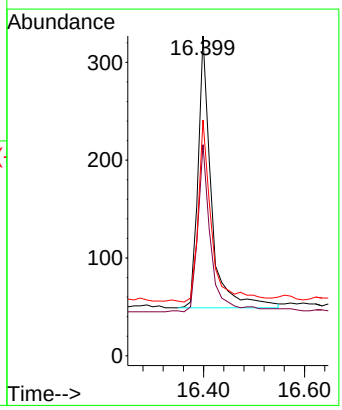
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

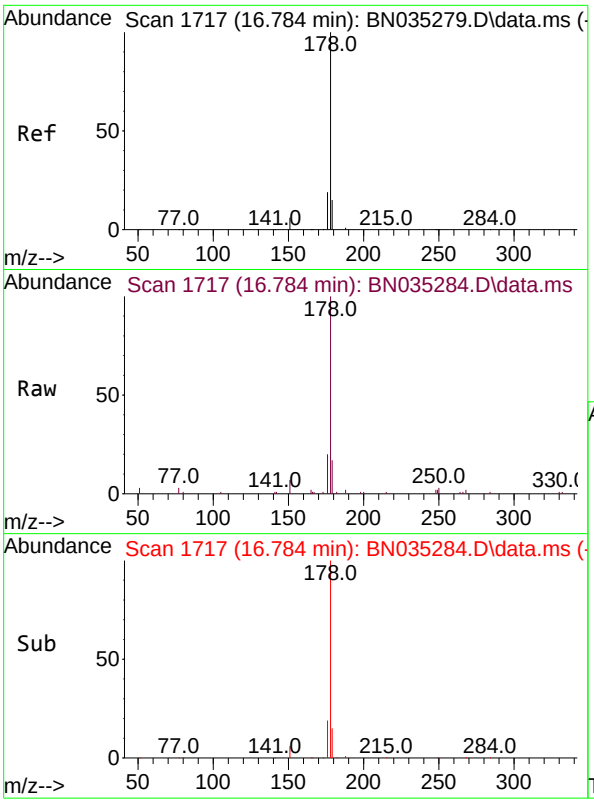


#24
Pentachlorophenol
Concen: 0.407 ng
RT: 16.399 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:266 Resp: 510

Ion	Ratio	Lower	Upper
266	100		
264	59.8	49.3	73.9
268	66.9	48.6	73.0

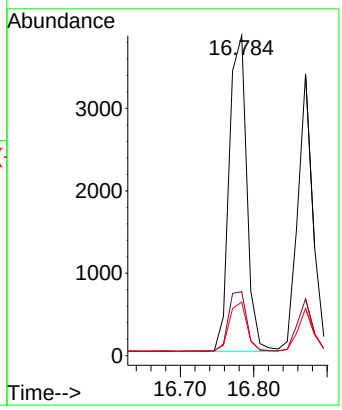




#25
Phenanthrene
Concen: 0.362 ng
RT: 16.784 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:178 Resp: 638

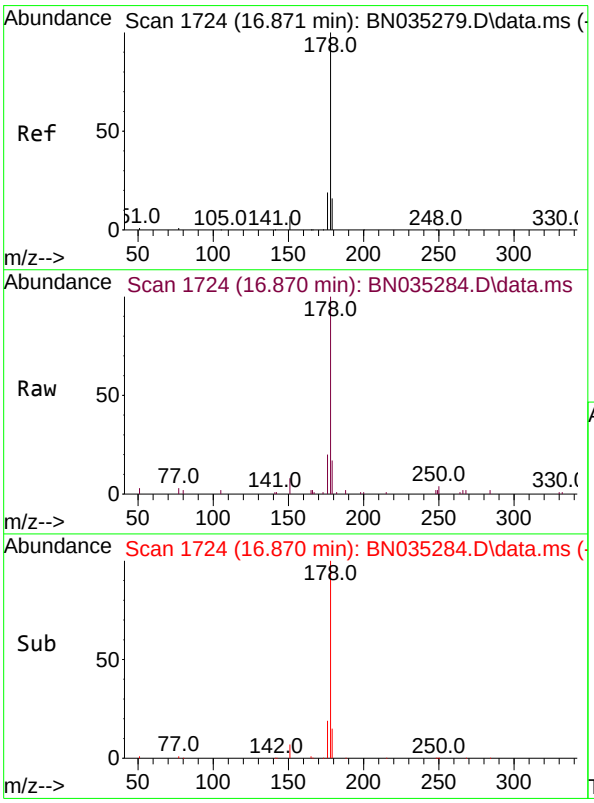
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.8	12.6	18.8



Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations
APPROVED

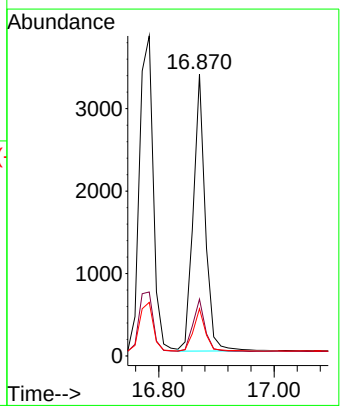
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

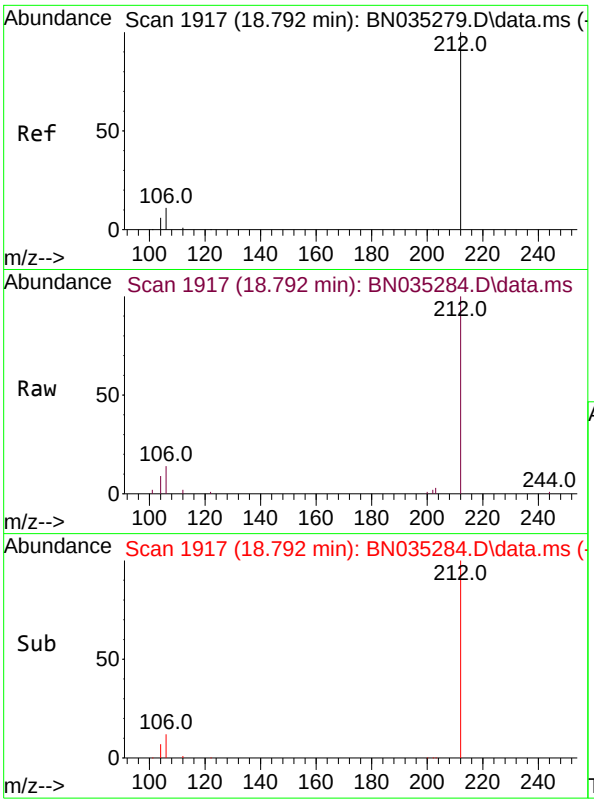


#26
Anthracene
Concen: 0.320 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:178 Resp: 4852

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.4
179	15.5	12.4	18.6





#27
Fluoranthene-d10
Concen: 0.343 ng m
RT: 18.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

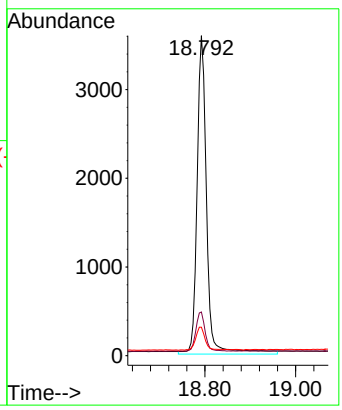
Tgt Ion:212 Resp: 527

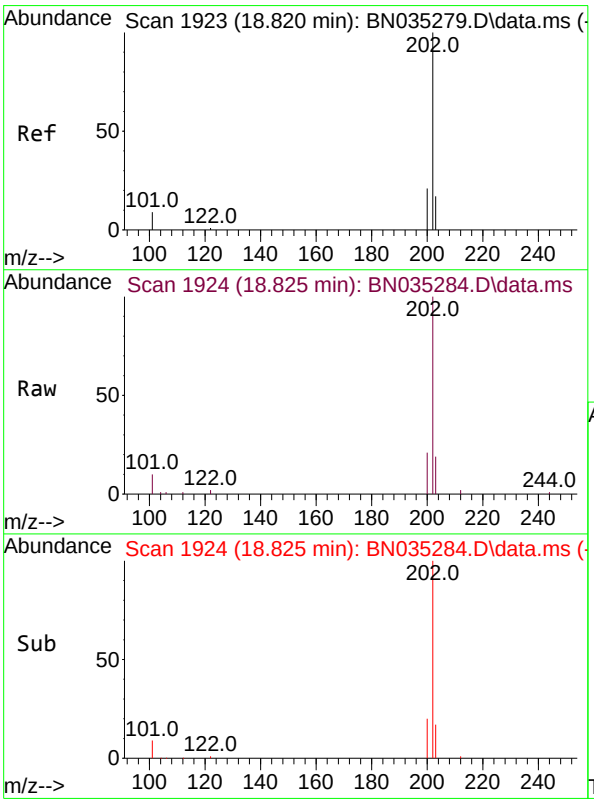
Ion	Ratio	Lower	Upper
212	100		
106	11.8	9.8	14.8
104	7.3	5.6	8.4

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

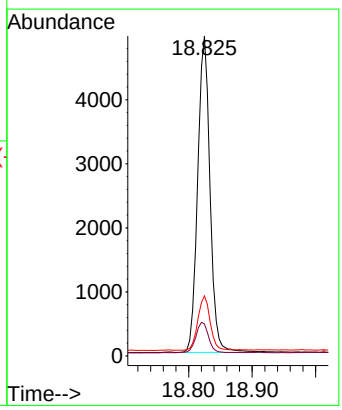


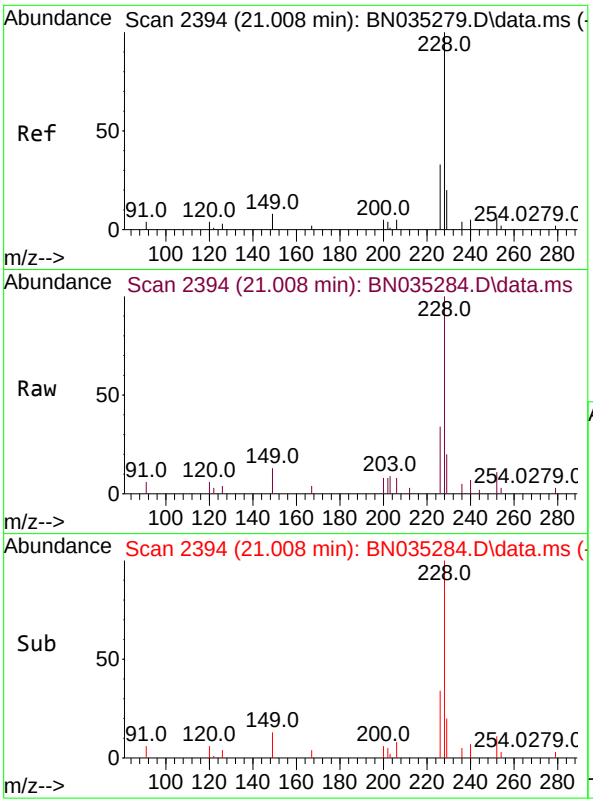


#28
Fluoranthene
Concen: 0.300 ng
RT: 18.825 min Scan# 1924
Delta R.T. 0.005 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:202 Resp: 6686

Ion	Ratio	Lower	Upper
202	100		
101	9.8	7.6	11.4
203	17.1	13.8	20.8

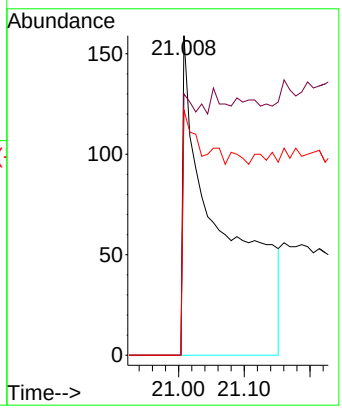




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:240 Resp: 61

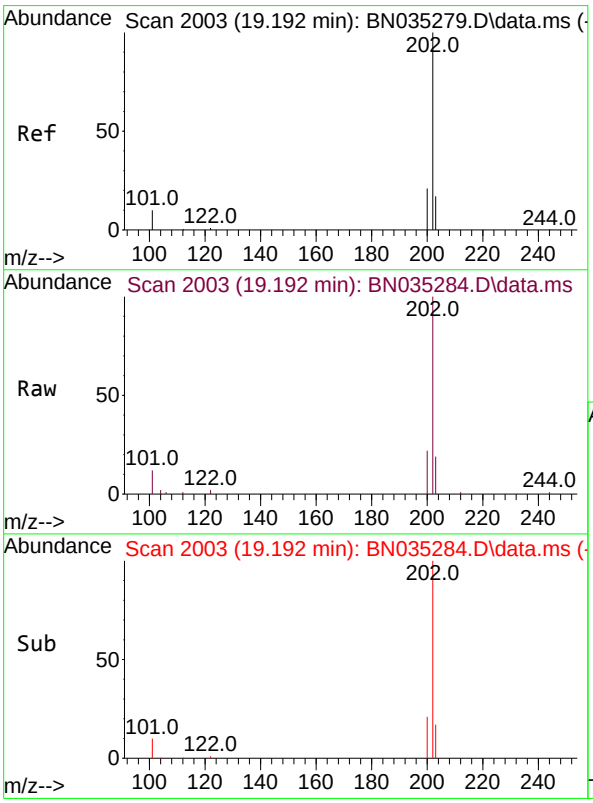
Ion	Ratio	Lower	Upper
240	100		
120	81.8	54.9	82.3
236	76.7	54.0	81.0



Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations APPROVED

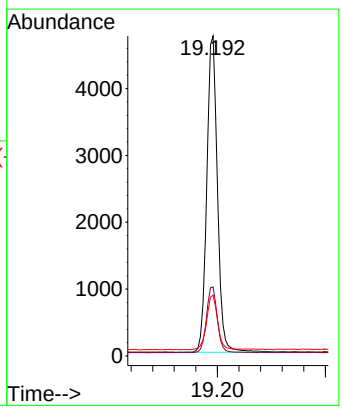
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

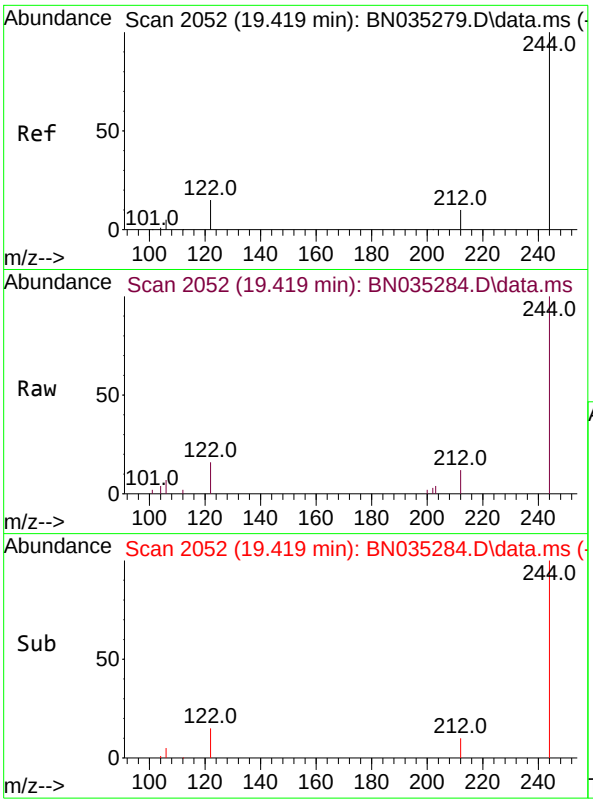


#30
Pyrene
Concen: 0.294 ng
RT: 19.192 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:202 Resp: 6525

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.9	14.4	21.6

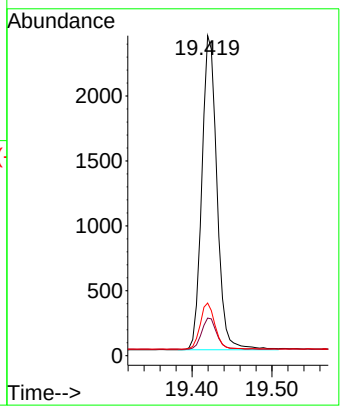




#31
Terphenyl-d14
Concen: 0.282 ng
RT: 19.419 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:244 Resp: 318

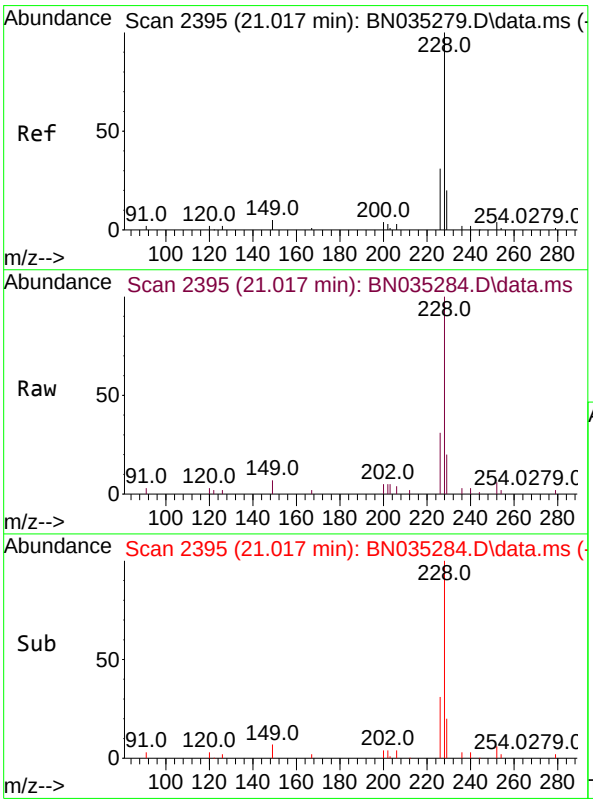
Ion	Ratio	Lower	Upper
244	100		
212	11.8	9.4	14.0
122	16.4	13.0	19.4



Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations APPROVED

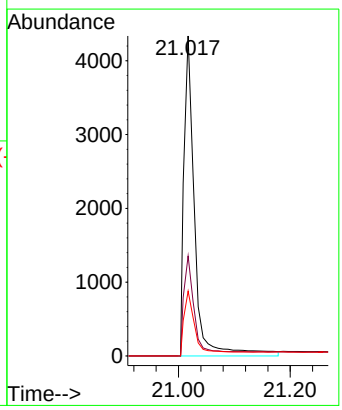
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

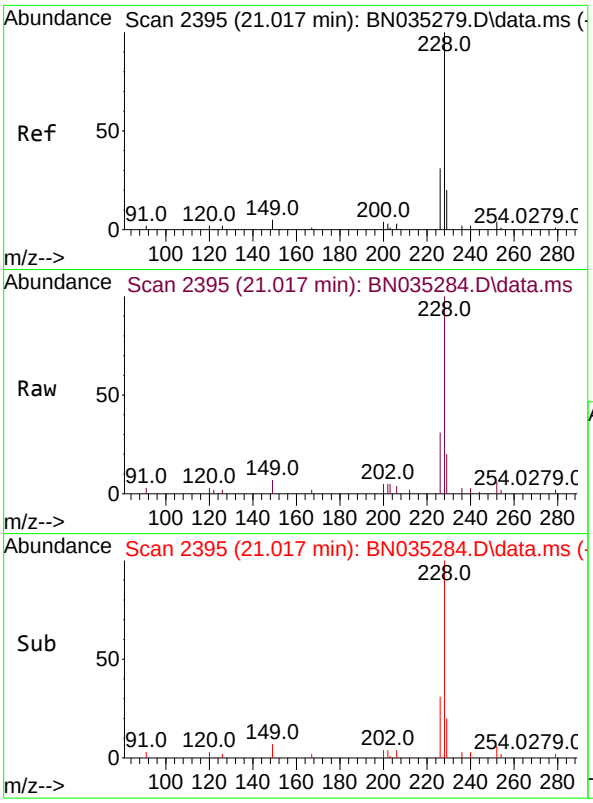


#32
Benzo(a)anthracene
Concen: 0.273 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:228 Resp: 5799

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.7	37.1
229	20.3	16.2	24.2

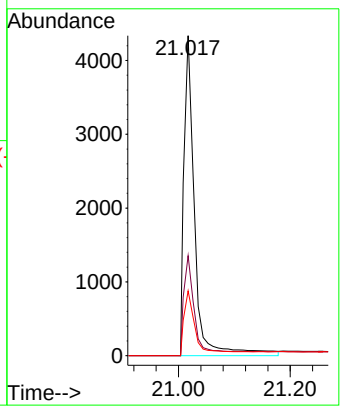




#33
Chrysene
Concen: 0.273 ng
RT: 21.017 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:228 Resp: 579

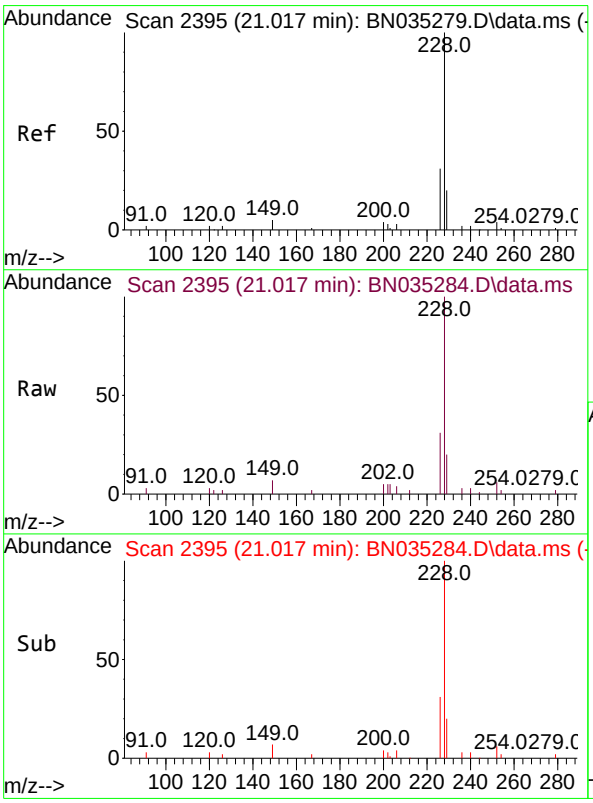
Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.7	37.1
229	20.3	16.2	24.2



Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations APPROVED

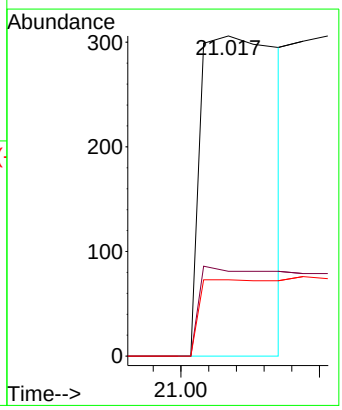
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

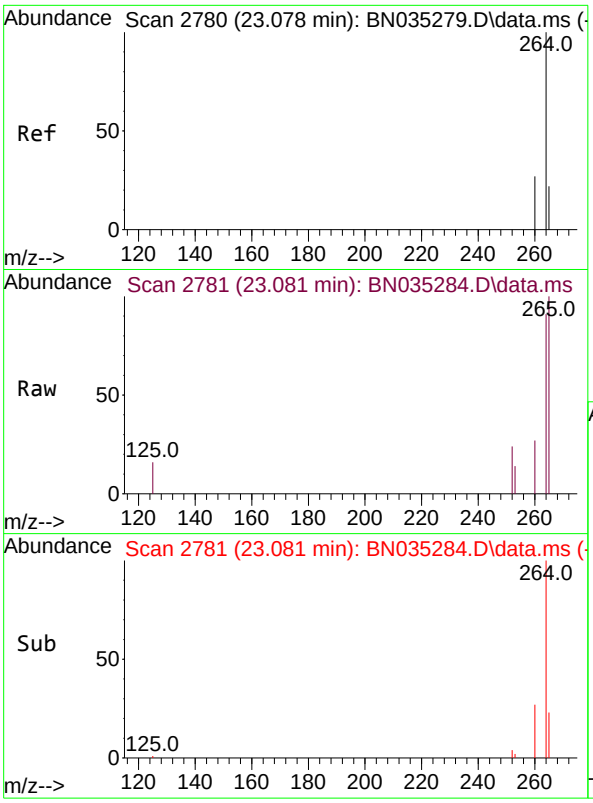


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.041 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:149 Resp: 520

Ion	Ratio	Lower	Upper
149	100		
167	35.4	0.0	0.0#
279	17.1	13.0	19.6

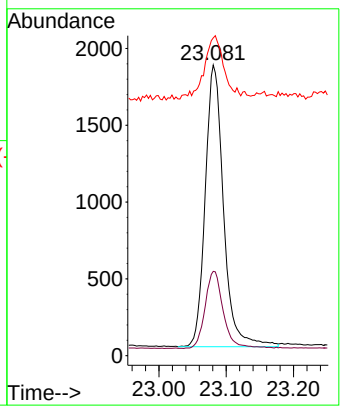




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.081 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:264 Resp: 347

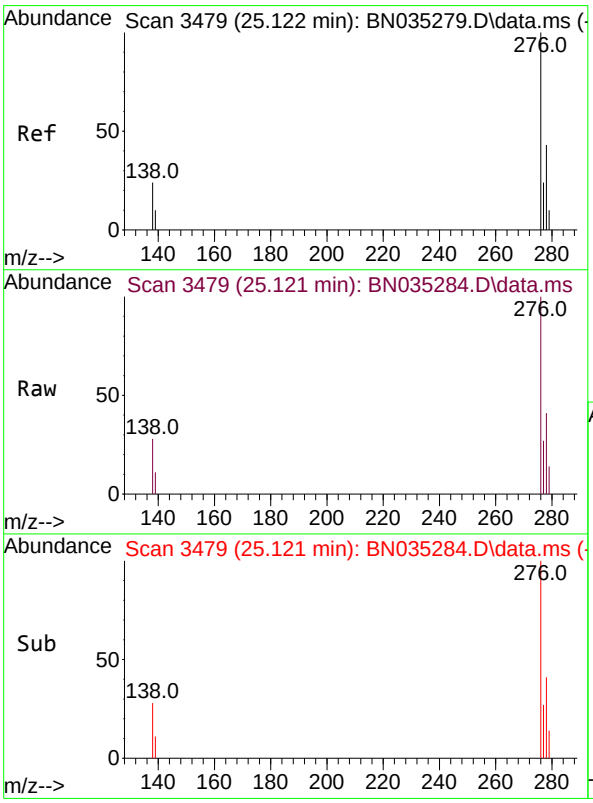
Ion	Ratio	Lower	Upper
264	100		
260	29.0	22.3	33.5
265	109.3	68.6	103.0#



Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations
APPROVED

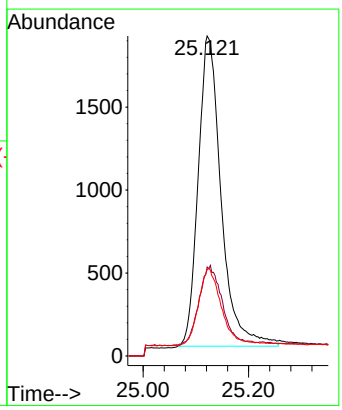
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

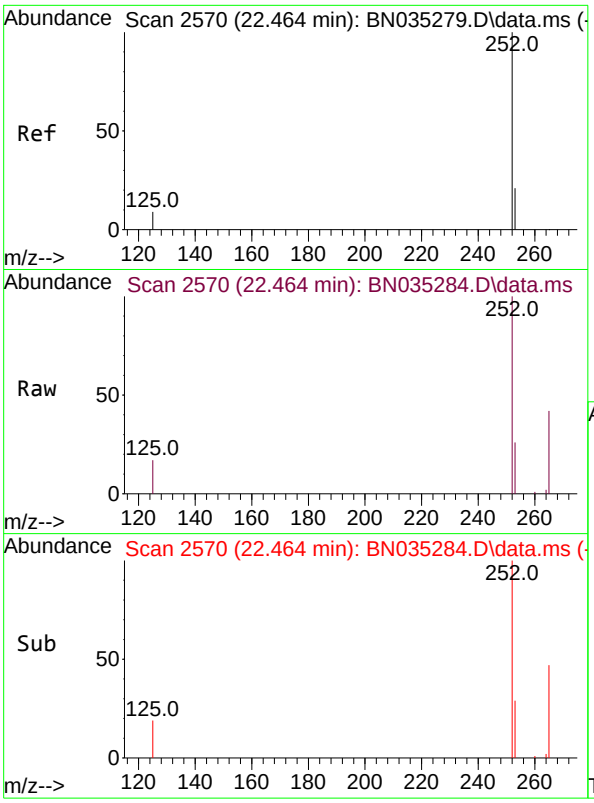


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.398 ng
RT: 25.121 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:276 Resp: 5652

Ion	Ratio	Lower	Upper
276	100		
138	23.1	18.8	28.2
277	23.0	18.2	27.4

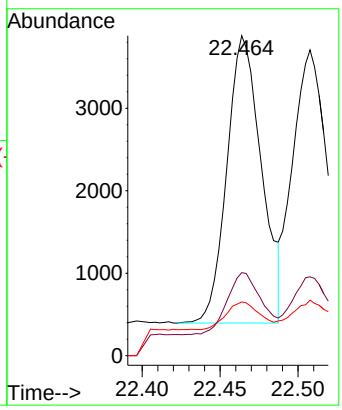




#37
Benzo(b)fluoranthene
Concen: 0.355 ng
RT: 22.464 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:252 Resp: 535

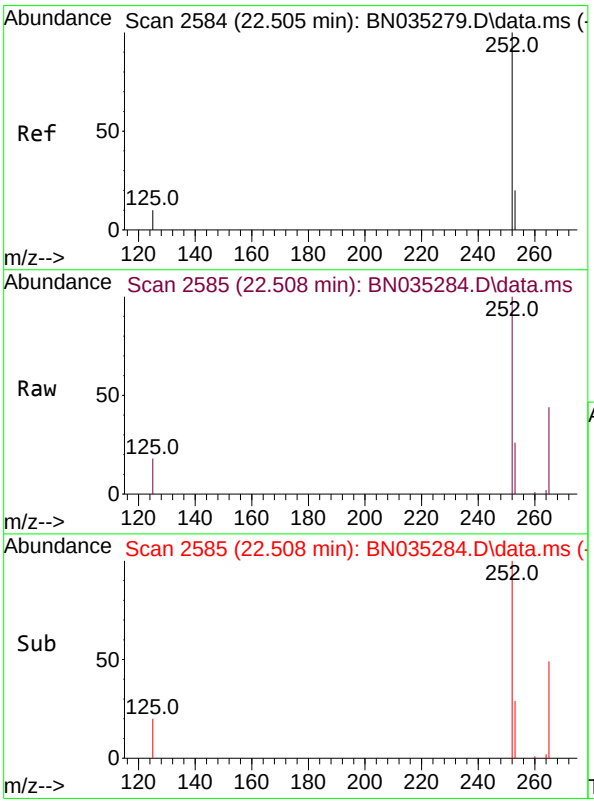
Ion	Ratio	Lower	Upper
252	100		
253	26.0	20.2	30.2
125	16.8	12.0	18.0



Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations
APPROVED

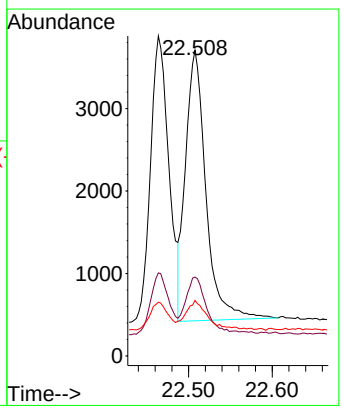
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

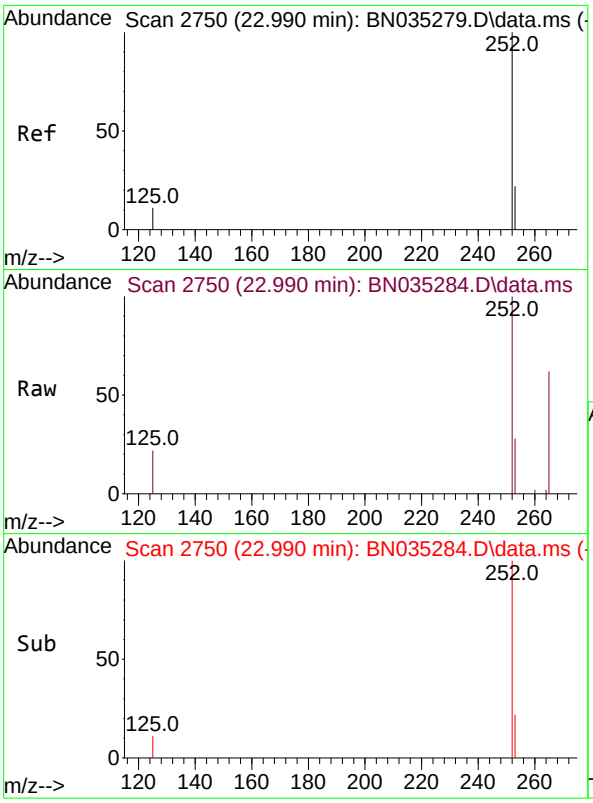


#38
Benzo(k)fluoranthene
Concen: 0.348 ng
RT: 22.508 min Scan# 2585
Delta R.T. 0.003 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:252 Resp: 5559

Ion	Ratio	Lower	Upper
252	100		
253	25.8	20.1	30.1
125	18.1	12.7	19.1

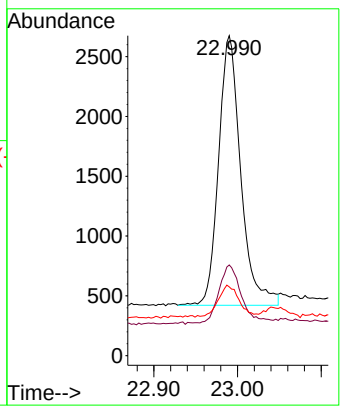




#39
Benzo(a)pyrene
Concen: 0.361 ng
RT: 22.990 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:252 Resp: 416

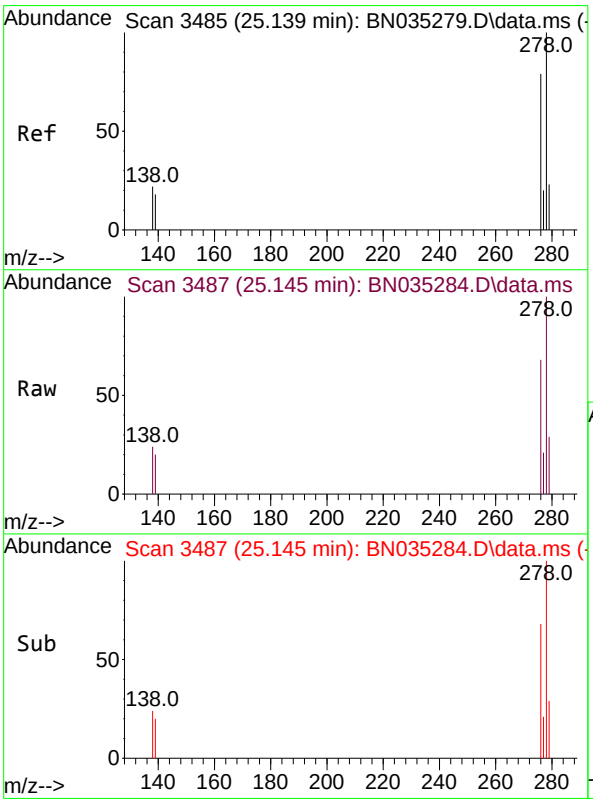
Ion	Ratio	Lower	Upper
252	100		
253	28.3	22.3	33.5
125	21.5	15.3	22.9



Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations
APPROVED

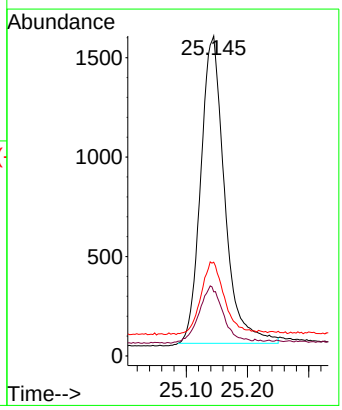
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

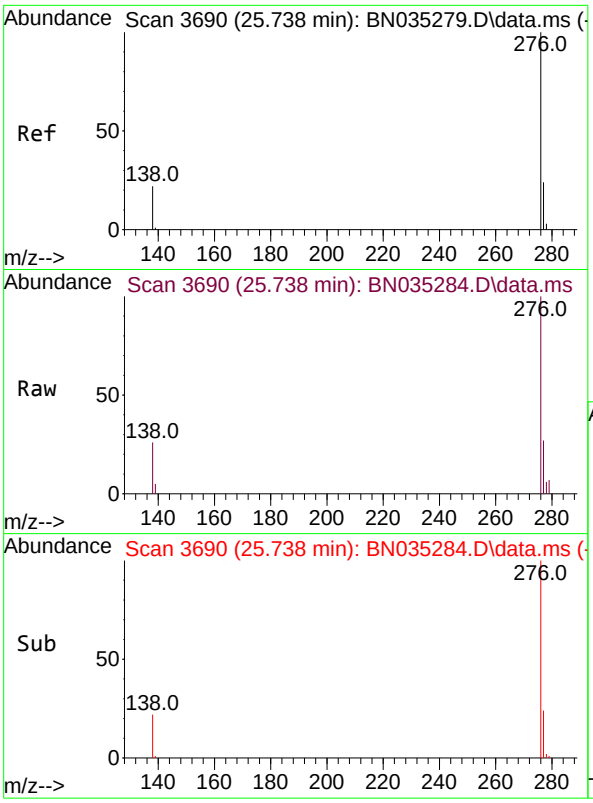


#40
Dibenzo(a,h)anthracene
Concen: 0.389 ng
RT: 25.145 min Scan# 3487
Delta R.T. 0.006 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:278 Resp: 4182

Ion	Ratio	Lower	Upper
278	100		
139	20.1	17.0	25.6
279	29.3	23.0	34.4

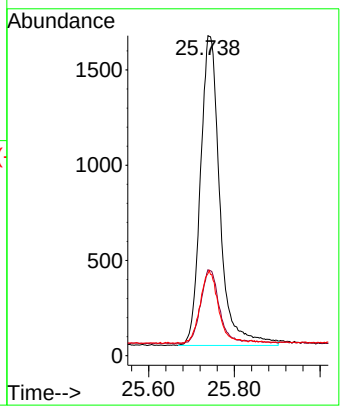




#41
Benzo(g,h,i)perylene
Concen: 0.412 ng
RT: 25.738 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:276 Resp: 512

Ion	Ratio	Lower	Upper
276	100		
277	26.8	21.1	31.7
138	25.7	19.8	29.8



Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035284.D
Acq On : 25 Nov 2024 14:29
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Quant Time: Nov 25 22:35:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
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	115	0.00
2		1,4-Dioxane	0.288	0.274	4.9	109	0.00
3		n-Nitrosodimethylamine	0.298	0.321	-7.7	130	0.00
4	S	2-Fluorophenol	0.756	0.680	10.1	99	0.00
5	S	Phenol-d6	1.056	0.919	13.0	95	0.00
6		bis(2-Chloroethyl)ether	0.889	0.846	4.8	108	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	105	0.00
8	S	Nitrobenzene-d5	0.324	0.381	-17.6	115	0.00
9		Naphthalene	1.110	1.068	3.8	103	0.00
10		Hexachlorobutadiene	0.312	0.345	-10.6	116	0.00
11	SURR	2-Methylnaphthalene-d10	0.560	0.471	15.9	92	0.00
12		2-Methylnaphthalene	0.726	0.589	18.9	91	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	90	0.00
14	S	2,4,6-Tribromophenol	0.204	0.205	-0.5	103	0.00
15	S	2-Fluorobiphenyl	0.221	0.257	-16.3	95	0.00
16		Acenaphthylene	2.013	1.946	3.3	93	0.00
17		Acenaphthene	1.267	1.214	4.2	93	0.00
18		Fluorene	1.777	1.577	11.3	87	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	83	0.00
20		4,6-Dinitro-2-methylphenol	0.041	0.042	-2.4	103	0.00
21		4-Bromophenyl-phenylether	0.254	0.231	9.1	82	0.00
22		Hexachlorobenzene	0.363	0.446	-22.9	106	0.00
23		Atrazine	0.107	0.112	-4.7	93	0.00
24		Pentachlorophenol	0.087	0.089	-2.3	94	0.00
25		Phenanthrene	1.229	1.111	9.6	82	0.00
26		Anthracene	1.055	0.844	20.0	77	0.00
27	SURR	Fluoranthene-d10	1.070	0.917	14.3	79	0.00
28		Fluoranthene	1.550	1.163	25.0	72	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	104	0.00
30		Pyrene	14.551	10.679	26.6#	73	0.00
31	S	Terphenyl-d14	7.392	5.216	29.4#	75	0.00
32		Benzo(a)anthracene	13.920	9.491	31.8#	72	0.00
33		Chrysene	13.920	9.491	31.8#	72	0.00
34		Bis(2-ethylhexyl)phthalate	0.765	0.851	-11.2	98	0.00
35	I	Perylene-d12	1.000	1.000	0.0	74	0.00
36		Indeno(1,2,3-cd)pyrene	1.638	1.629	0.5	79	0.00
37		Benzo(b)fluoranthene	1.738	1.544	11.2	79	0.00
38		Benzo(k)fluoranthene	1.839	1.602	12.9	73	0.00
39	C	Benzo(a)pyrene	1.329	1.201	9.6	78	0.00
40		Dibenzo(a,h)anthracene	1.238	1.205	2.7	81	0.00
41		Benzo(g,h,i)perylene	1.432	1.476	-3.1	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035284.D
Acq On : 25 Nov 2024 14:29
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Quant Time: Nov 25 22:35:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
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	115	0.00
2		1,4-Dioxane	0.400	0.381	4.8	109	0.00
3		n-Nitrosodimethylamine	0.400	0.431	-7.7	130	0.00
4	S	2-Fluorophenol	0.400	0.360	10.0	99	0.00
5	S	Phenol-d6	0.400	0.348	13.0	95	0.00
6		bis(2-Chloroethyl)ether	0.400	0.381	4.8	108	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	105	0.00
8	S	Nitrobenzene-d5	0.400	0.469	-17.2	115	0.00
9		Naphthalene	0.400	0.385	3.8	103	0.00
10		Hexachlorobutadiene	0.400	0.442	-10.5	116	0.00
11	SURR	2-Methylnaphthalene-d10	0.400	0.337	15.8	92	0.00
12		2-Methylnaphthalene	0.400	0.325	18.8	91	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	90	0.00
14	S	2,4,6-Tribromophenol	0.400	0.402	-0.5	103	0.00
15	S	2-Fluorobiphenyl	0.400	0.465	-16.3	95	0.00
16		Acenaphthylene	0.400	0.387	3.3	93	0.00
17		Acenaphthene	0.400	0.383	4.3	93	0.00
18		Fluorene	0.400	0.355	11.3	87	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	83	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.477	-19.2	103	0.00
21		4-Bromophenyl-phenylether	0.400	0.364	9.0	82	0.00
22		Hexachlorobenzene	0.400	0.491	-22.7	106	0.00
23		Atrazine	0.400	0.419	-4.7	93	0.00
24		Pentachlorophenol	0.400	0.407	-1.7	94	0.00
25		Phenanthrene	0.400	0.362	9.5	82	0.00
26		Anthracene	0.400	0.320	20.0	77	0.00
27	SURR	Fluoranthene-d10	0.400	0.343	14.2	79	0.00
28		Fluoranthene	0.400	0.300	25.0#	72	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	104	0.00
30		Pyrene	0.400	0.294	26.5#	73	0.00
31	S	Terphenyl-d14	0.400	0.282	29.5#	75	0.00
32		Benzo(a)anthracene	0.400	0.273	31.8#	72	0.00
33		Chrysene	0.400	0.273	31.8#	72	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.041	89.8#	98	0.00
35	I	Perylene-d12	0.400	0.400	0.0	74	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.398	0.5	79	0.00
37		Benzo(b)fluoranthene	0.400	0.355	11.3	79	0.00
38		Benzo(k)fluoranthene	0.400	0.348	13.0	73	0.00
39	C	Benzo(a)pyrene	0.400	0.361	9.8	78	0.00
40		Dibenzo(a,h)anthracene	0.400	0.389	2.8	81	0.00
41		Benzo(g,h,i)perylene	0.400	0.412	-3.0	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG No.: P4934

Instrument ID: BNA_N Calibration Date/Time: 11/21/2024 13:22

Lab File ID: BN035219.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 12:40 16:15

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.713	0.604		-15.3	20.0
Fluoranthene-d10	1.225	0.956		-22.0	20.0
2-Fluorophenol	1.015	1.174		15.7	20.0
Phenol-d6	1.273	1.472		15.6	20.0
Nitrobenzene-d5	0.348	0.208		-40.2	20.0
2-Fluorobiphenyl	1.624	0.299		-81.6	20.0
2,4,6-Tribromophenol	0.289	0.331		14.5	20.0
Terphenyl-d14	0.839	3.629		332.5	20.0
1,4-Dioxane	0.363	0.403		11.0	20.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035219.D
Acq On : 21 Nov 2024 13:22
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 21 14:33:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.329	152	3553	0.400	ng	0.00
7) Naphthalene-d8	10.073	136	8594	0.400	ng	# 0.00
13) Acenaphthene-d10	13.987	164	5839	0.400	ng	0.00
19) Phenanthrene-d10	16.746	188	13132	0.400	ng	# 0.00
29) Chrysene-d12	21.008	240	2179	0.400	ng	# 0.00
35) Perylene-d12	23.104	264	7936	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.982	112	4170	0.462	ng	0.00
5) Phenol-d6	6.528	99	5231	0.463	ng	0.00
8) Nitrobenzene-d5	8.461	82	1784m	0.238	ng	0.00
11) 2-Methylnaphthalene-d10	11.678	152	5187	0.339	ng	0.00
14) 2,4,6-Tribromophenol	15.494	330	1931	0.458	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	1744	0.074	ng	0.00
27) Fluoranthene-d10	18.806	212	12553	0.312	ng	0.00
31) Terphenyl-d14	19.438	244	7908	1.730	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.011	88	1431	0.443	ng	# 85
3) n-Nitrosodimethylamine	3.307	42	1242	0.413	ng	# 97
6) bis(2-Chloroethyl)ether	6.773	93	3817	0.450	ng	95
9) Naphthalene	10.127	128	8813	0.393	ng	99
10) Hexachlorobutadiene	10.426	225	2134	0.324	ng	# 100
12) 2-Methylnaphthalene	11.754	142	6233	0.377	ng	97
16) Acenaphthylene	13.698	152	10404	0.417	ng	99
17) Acenaphthene	14.051	154	6430	0.393	ng	99
18) Fluorene	15.045	166	8973	0.373	ng	99
20) 4,6-Dinitro-2-methylph...	15.142	198	427	0.156	ng	# 31
21) 4-Bromophenyl-phenylether	15.952	248	3185	0.381	ng	# 73
22) Hexachlorobenzene	16.064	284	3749	0.432	ng	96
23) Atrazine	16.250	200	1902	0.253	ng	# 94
24) Pentachlorophenol	16.411	266	2236	0.551	ng	98
25) Phenanthrene	16.796	178	13999	0.405	ng	99
26) Anthracene	16.883	178	13479	0.425	ng	99
28) Fluoranthene	18.839	202	16410	0.345	ng	# 97
30) Pyrene	19.206	202	16732	2.306	ng	100
32) Benzo(a)anthracene	21.035	228	12666	1.669	ng	95
33) Chrysene	21.035	228	12666	1.685	ng	98
34) Bis(2-ethylhexyl)phtha...	21.026	149	1204	0.302	ng	# 93
36) Indeno(1,2,3-cd)pyrene	25.157	276	12159	0.384	ng	# 90
37) Benzo(b)fluoranthene	22.487	252	11451	0.429	ng	# 95
38) Benzo(k)fluoranthene	22.528	252	11422	0.428	ng	# 95
39) Benzo(a)pyrene	23.014	252	9865	0.420	ng	# 94
40) Dibenzo(a,h)anthracene	25.177	278	9332	0.372	ng	# 89
41) Benzo(g,h,i)perylene	25.776	276	10046	0.377	ng	# 89

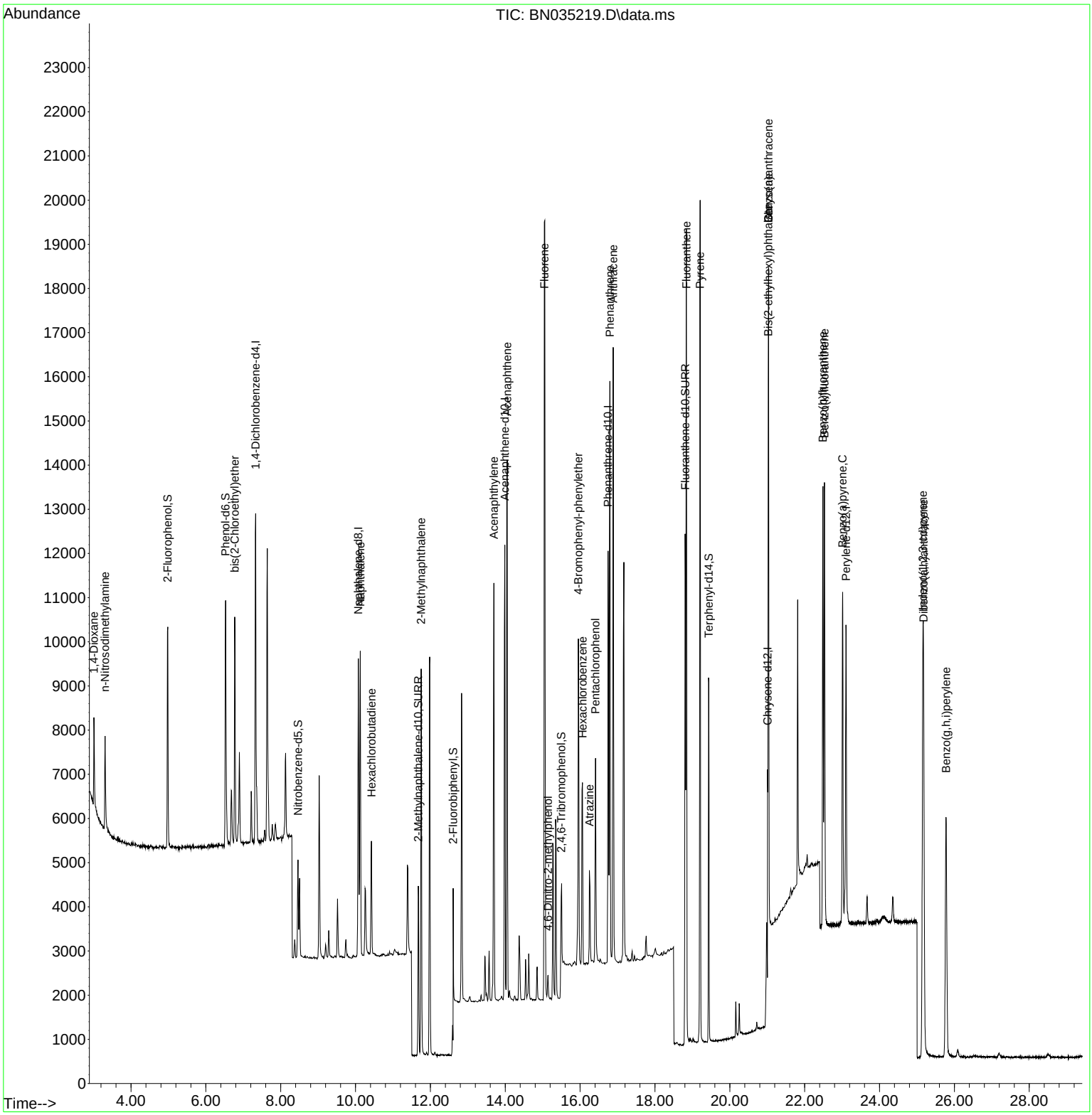
(#) = qualifier out of range (m) = manual integration (+) = signals summed

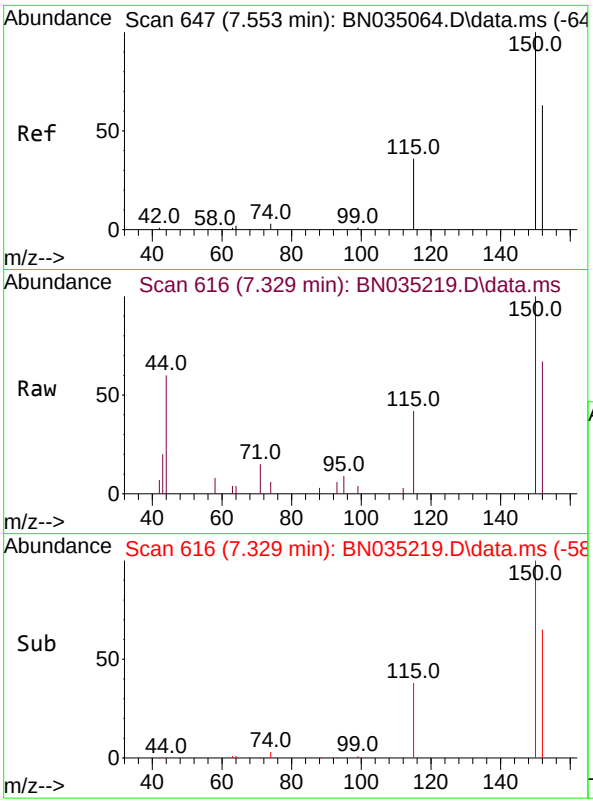
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035219.D
Acq On : 21 Nov 2024 13:22
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 21 14:33:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.329 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

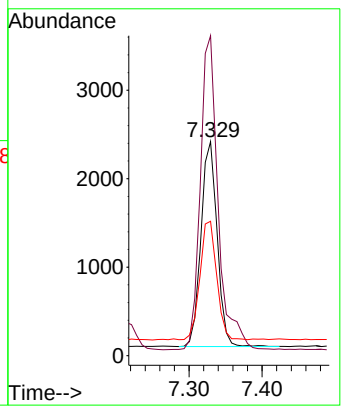
Tgt Ion:152 Resp: 355

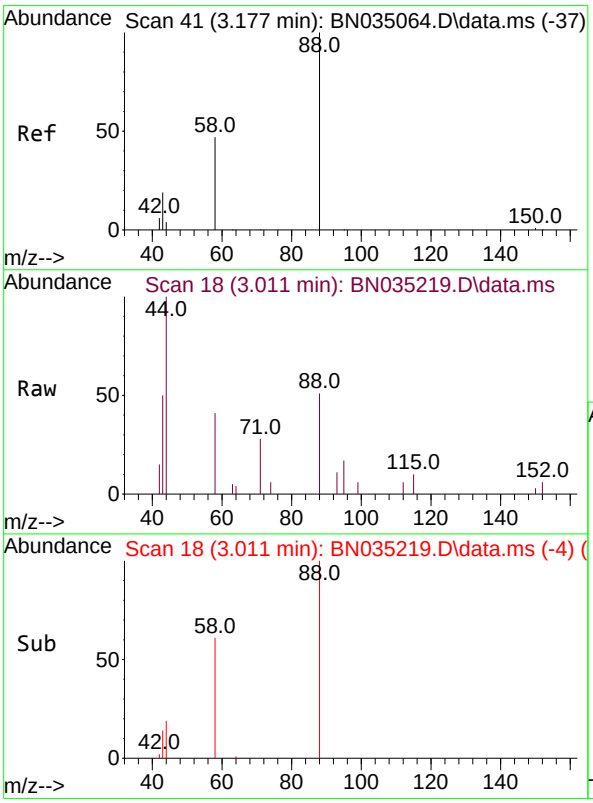
Ion	Ratio	Lower	Upper
152	100		
150	149.5	124.5	186.7
115	62.8	47.8	71.6

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

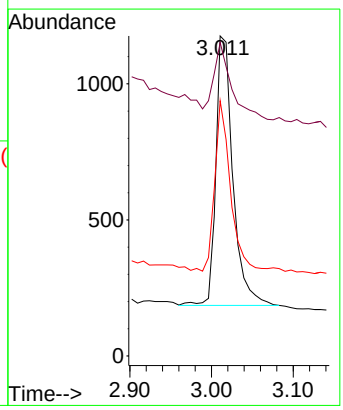


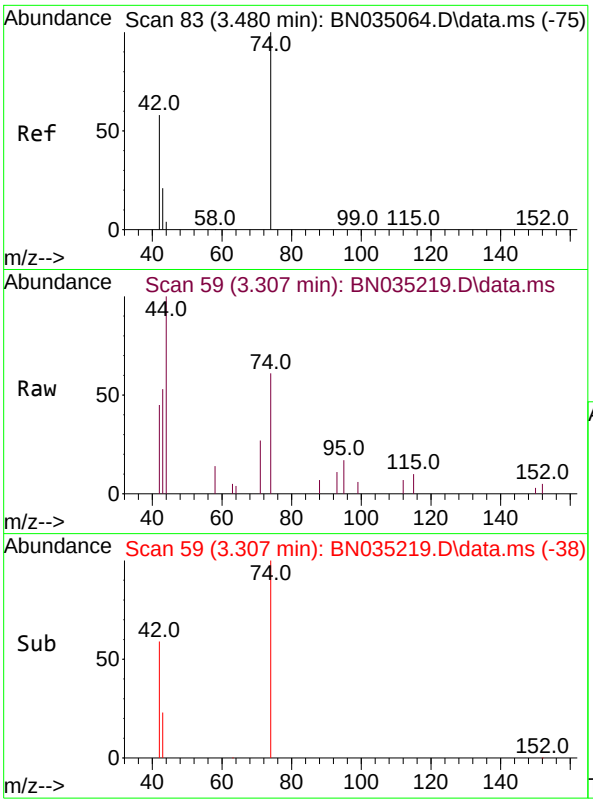


#2
1,4-Dioxane
Concen: 0.443 ng
RT: 3.011 min Scan# 18
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion: 88 Resp: 1431

Ion	Ratio	Lower	Upper
88	100		
43	30.7	16.9	25.3#
58	57.5	39.0	58.4

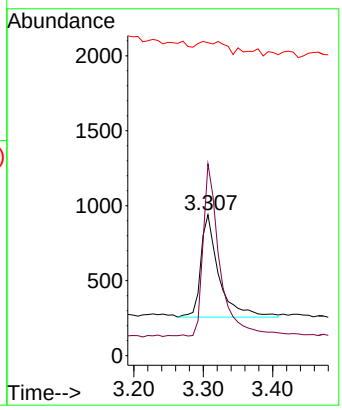




#3
n-Nitrosodimethylamine
Concen: 0.413 ng
RT: 3.307 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion: 42 Resp: 124

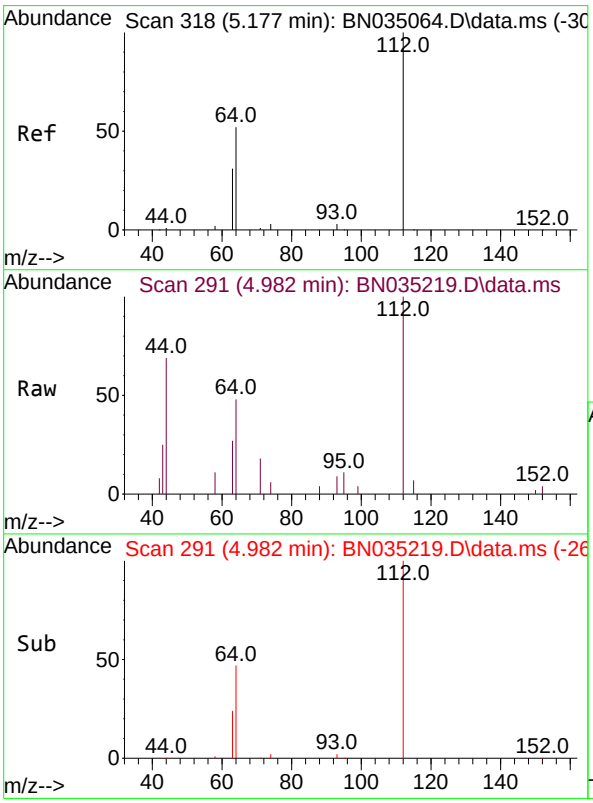
Ion	Ratio	Lower	Upper
42	100		
74	153.3	120.8	181.2
44	18.3	2.9	4.3#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

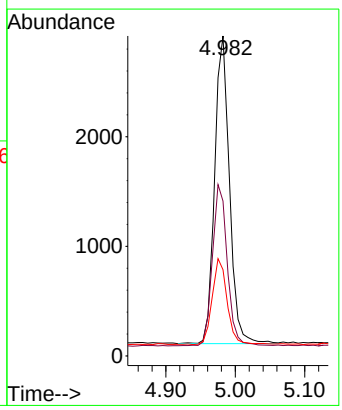
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

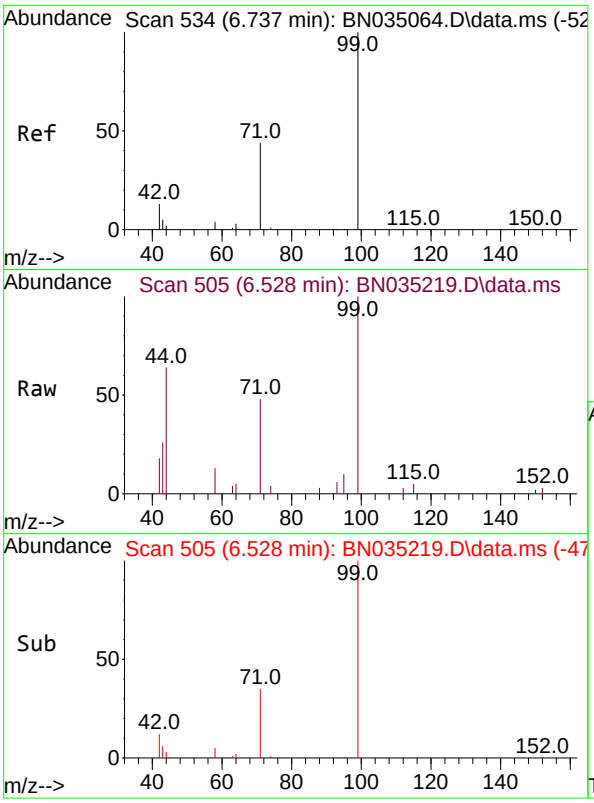


#4
2-Fluorophenol
Concen: 0.462 ng
RT: 4.982 min Scan# 291
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:112 Resp: 4170

Ion	Ratio	Lower	Upper
112	100		
64	52.4	39.7	59.5
63	27.9	23.0	34.4

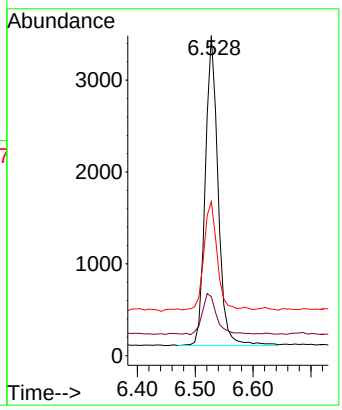




#5
Phenol-d6
Concen: 0.463 ng
RT: 6.528 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion: 99 Resp: 523

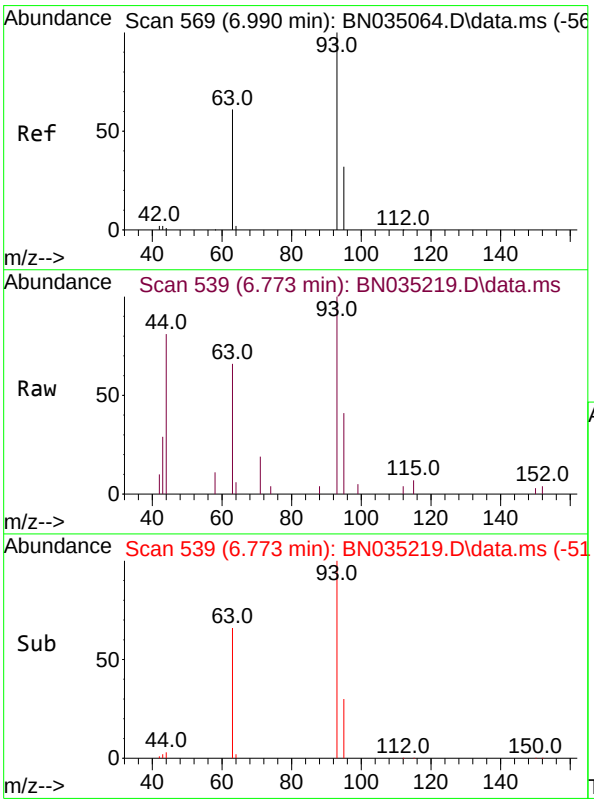
Ion	Ratio	Lower	Upper
99	100		
42	14.2	11.4	17.0
71	37.0	34.6	51.8



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

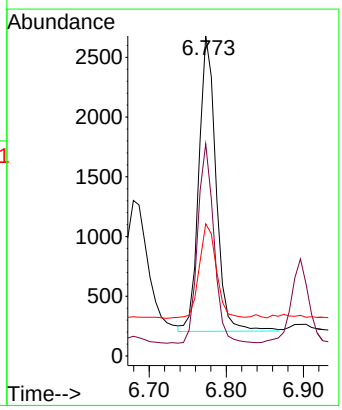
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

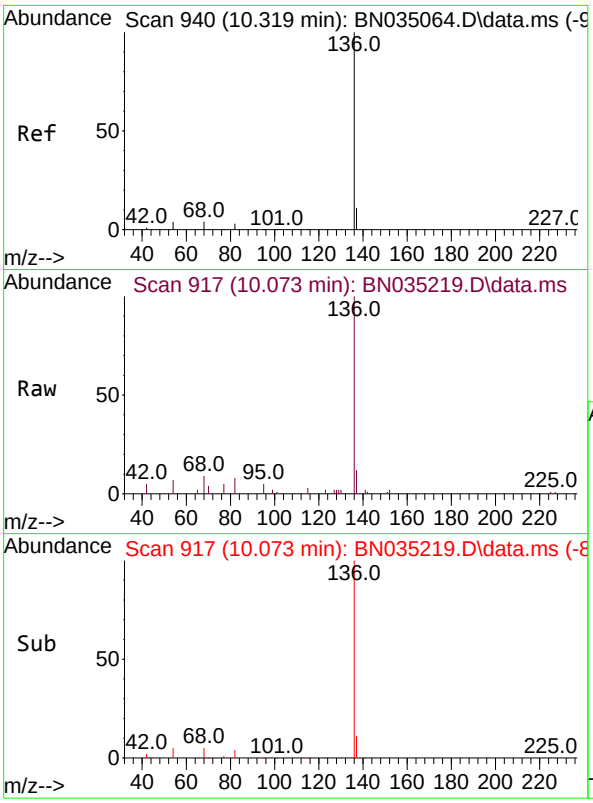


#6
bis(2-Chloroethyl)ether
Concen: 0.450 ng
RT: 6.773 min Scan# 539
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion: 93 Resp: 3817

Ion	Ratio	Lower	Upper
93	100		
63	63.9	47.4	71.2
95	31.9	26.2	39.4

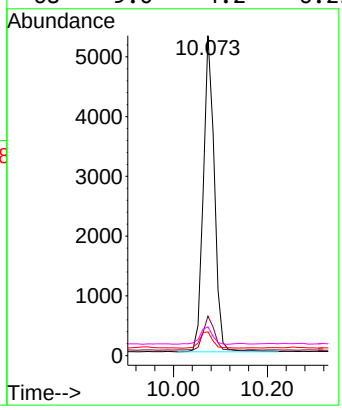




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.073 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

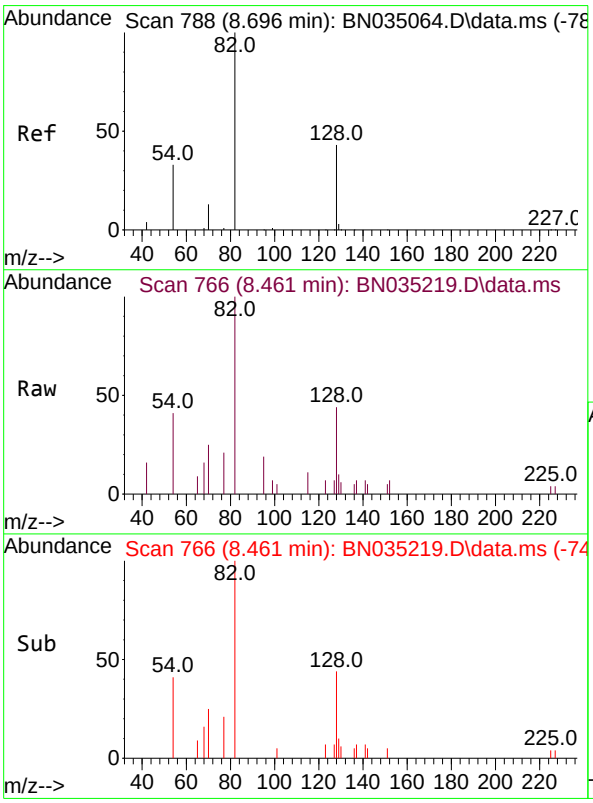
Tgt Ion:136 Resp: 859

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.8	14.8
54	7.4	4.0	6.0#
68	9.0	4.2	6.2#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

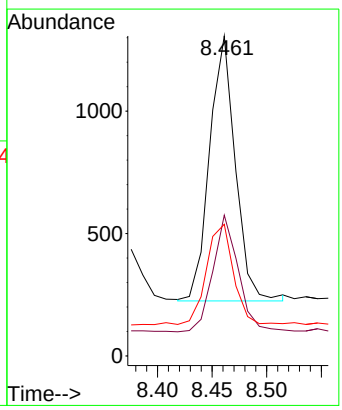
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

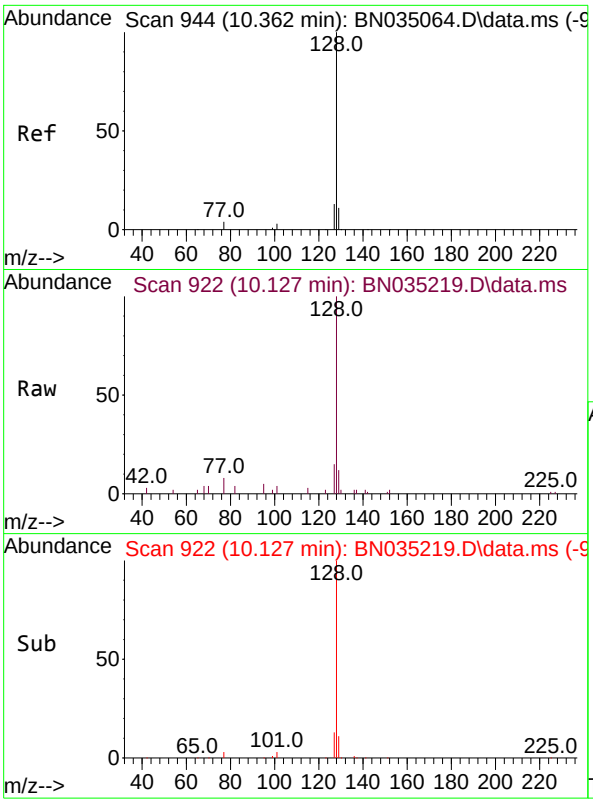


#8
Nitrobenzene-d5
Concen: 0.238 ng m
RT: 8.461 min Scan# 766
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion: 82 Resp: 1784

Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.5	54.7
54	41.2	28.7	43.1

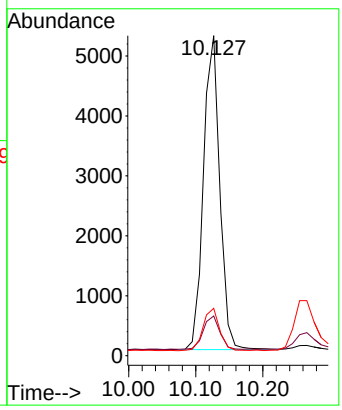




#9
Naphthalene
Concen: 0.393 ng
RT: 10.127 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:128 Resp: 881

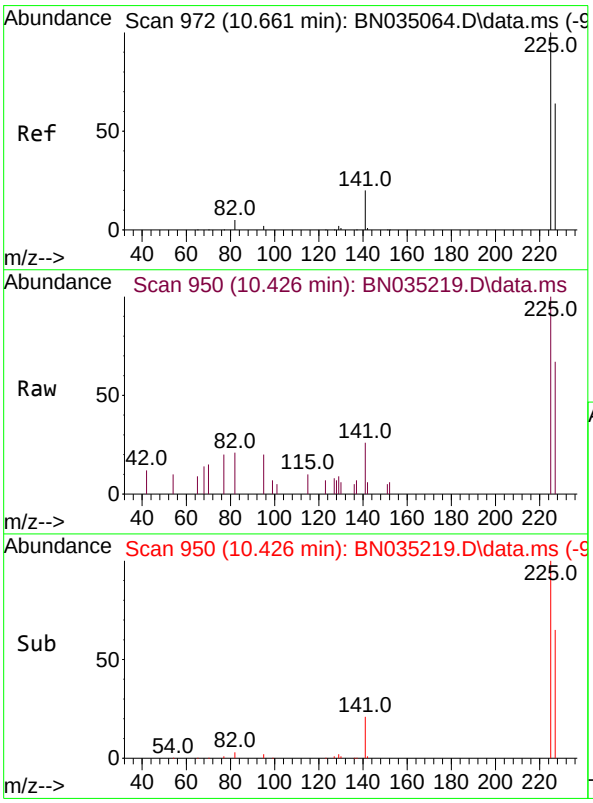
Ion	Ratio	Lower	Upper
128	100		
129	12.4	9.6	14.4
127	14.8	11.6	17.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

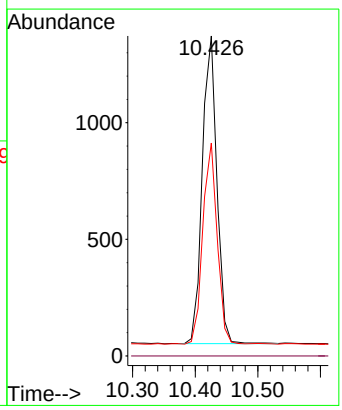
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

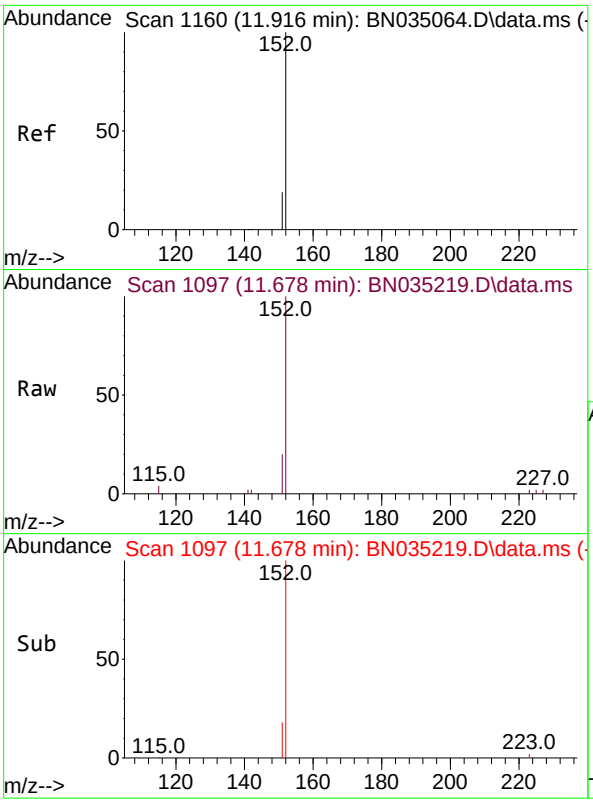


#10
Hexachlorobutadiene
Concen: 0.324 ng
RT: 10.426 min Scan# 950
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:225 Resp: 2134

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	51.5	77.3





#11
2-Methylnaphthalene-d10
Concen: 0.339 ng
RT: 11.678 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

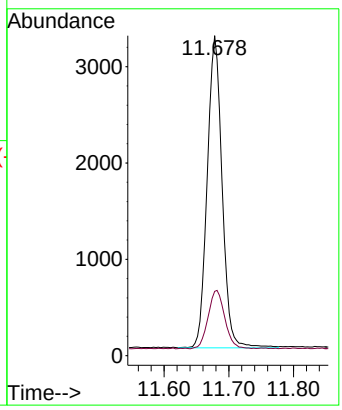
Tgt Ion:152 Resp: 518

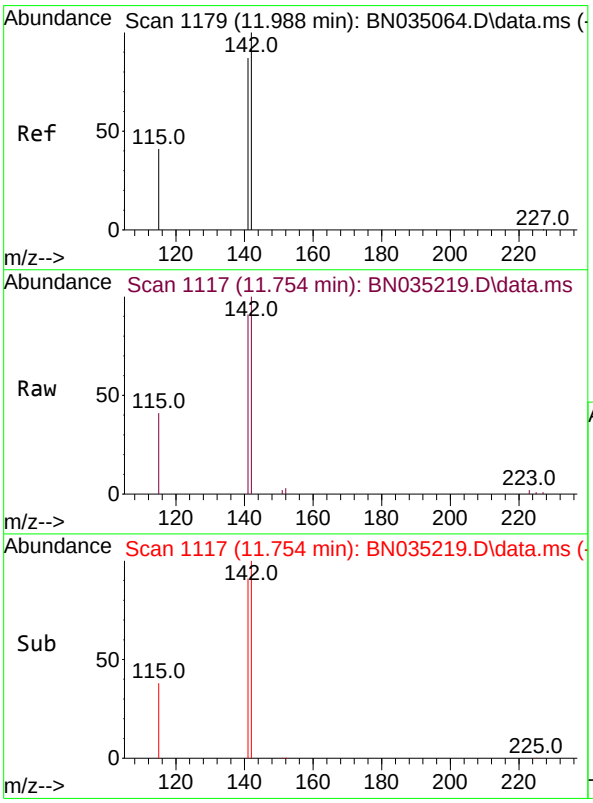
Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.2	24.4

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

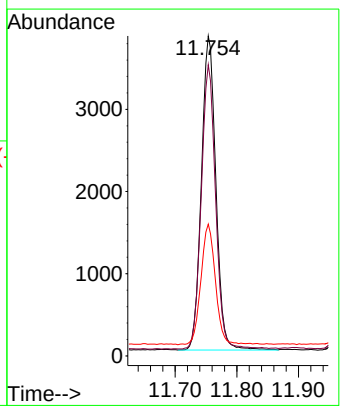


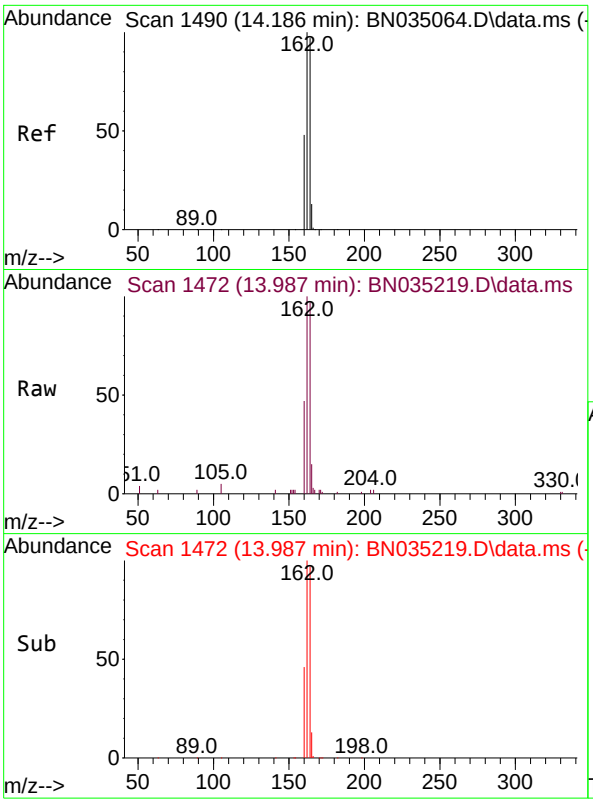


#12
2-Methylnaphthalene
Concen: 0.377 ng
RT: 11.754 min Scan# 1117
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:142 Resp: 6233

Ion	Ratio	Lower	Upper
142	100		
141	91.0	70.1	105.1
115	41.2	34.4	51.6

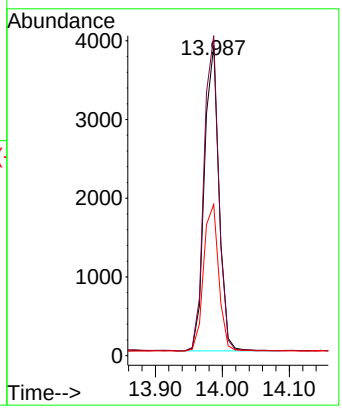




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.987 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:164 Resp: 583

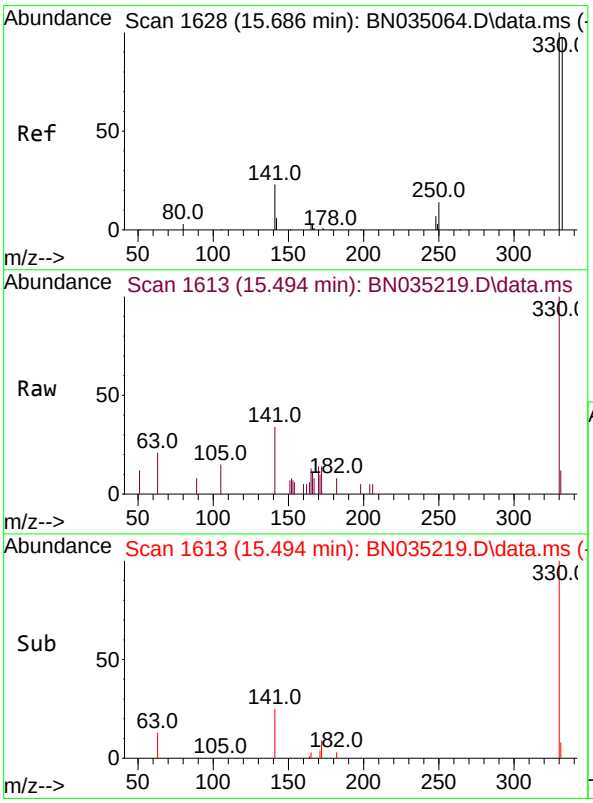
Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.2	123.2
160	48.7	40.2	60.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

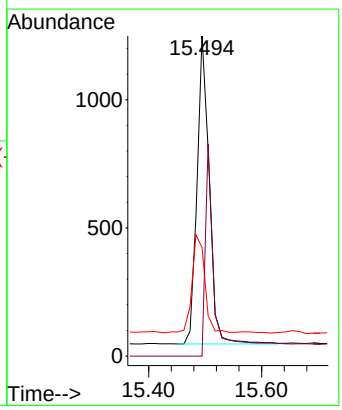
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

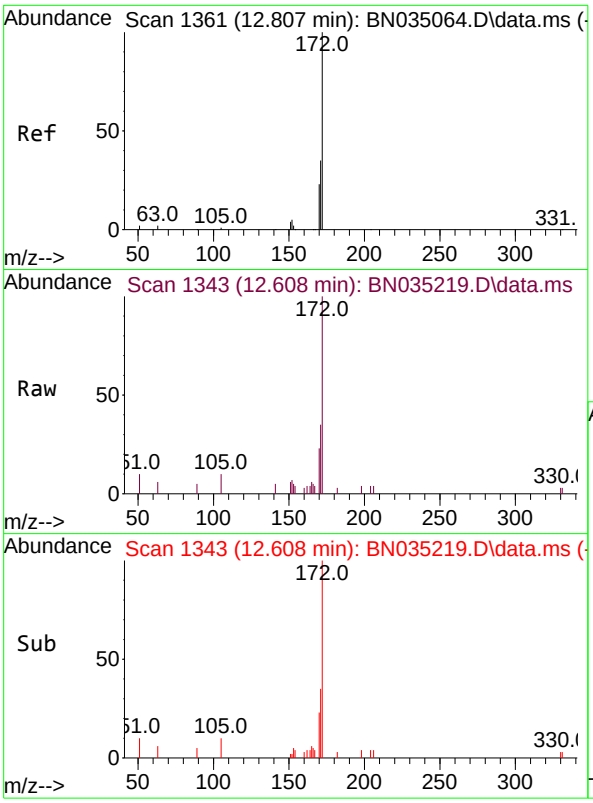


#14
2,4,6-Tribromophenol
Concen: 0.458 ng
RT: 15.494 min Scan# 1613
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:330 Resp: 1931

Ion	Ratio	Lower	Upper
330	100		
332	57.9	76.9	115.3#
141	0.0	29.6	44.4#

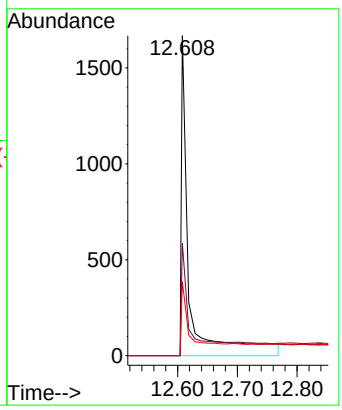




#15
2-Fluorobiphenyl
Concen: 0.074 ng
RT: 12.608 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:172 Resp: 174

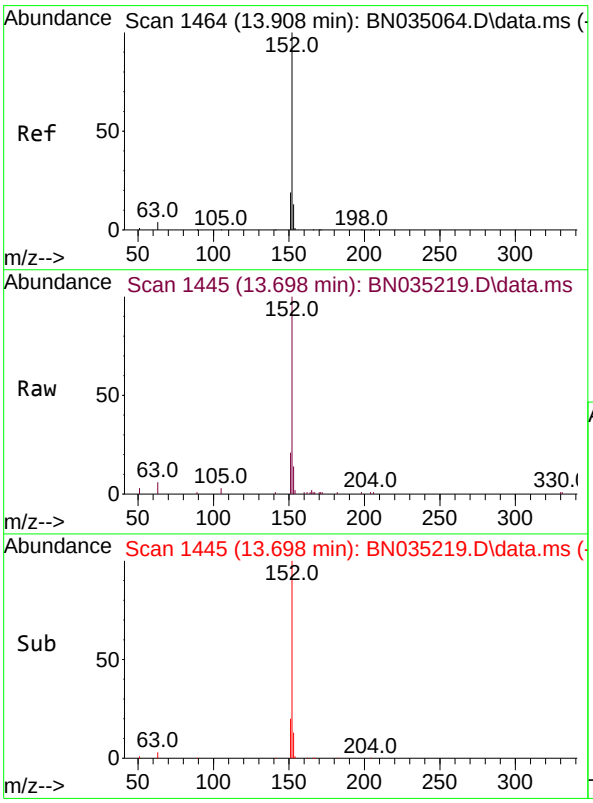
Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	23.1	19.0	28.6



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

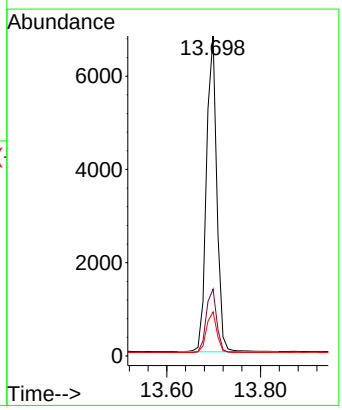
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

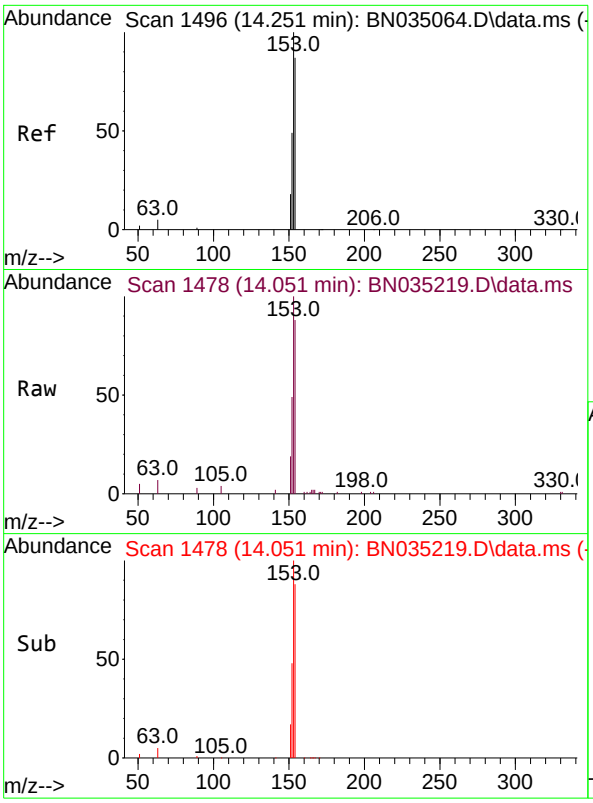


#16
Acenaphthylene
Concen: 0.417 ng
RT: 13.698 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:152 Resp: 10404

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.8
153	12.8	10.2	15.4

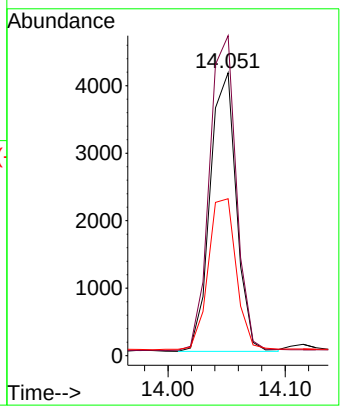




#17
Acenaphthene
Concen: 0.393 ng
RT: 14.051 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:154 Resp: 643

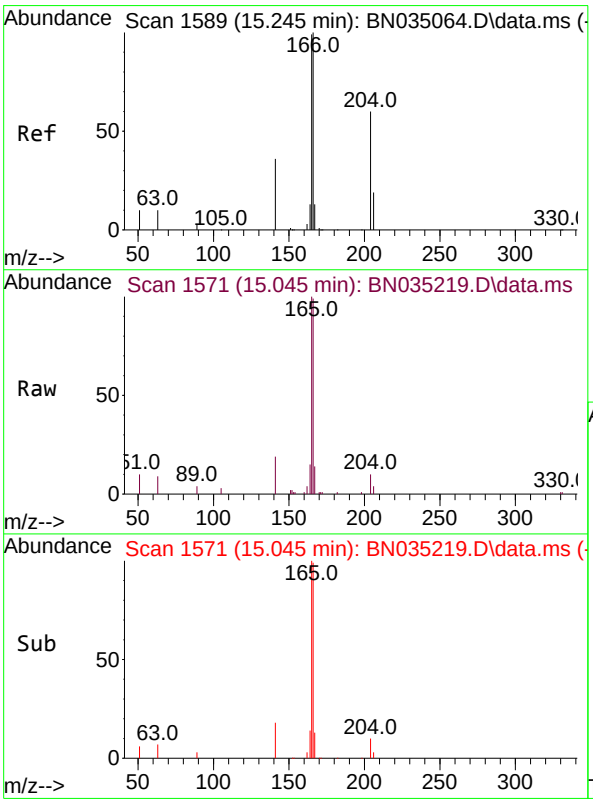
Ion	Ratio	Lower	Upper
154	100		
153	115.4	91.6	137.4
152	58.0	45.8	68.6



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

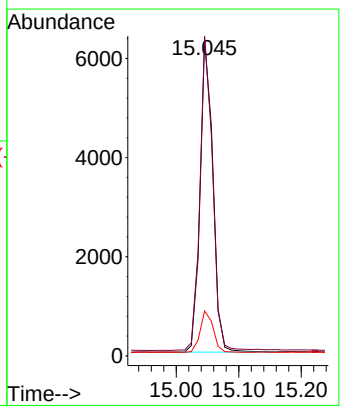
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

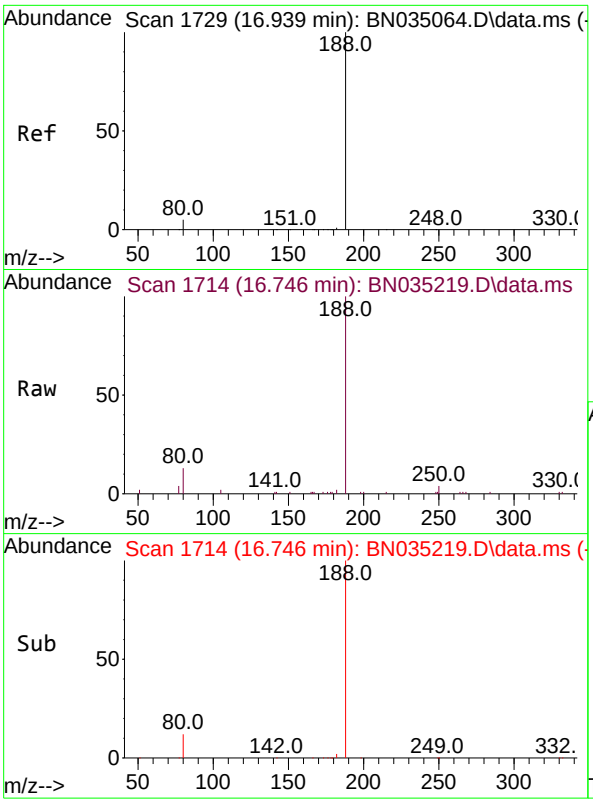


#18
Fluorene
Concen: 0.373 ng
RT: 15.045 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:166 Resp: 8973

Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.1	118.7
167	13.4	10.6	16.0

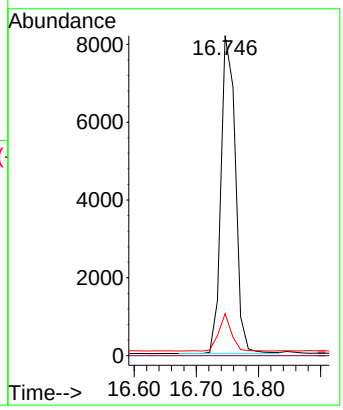




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.746 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:188 Resp: 1313

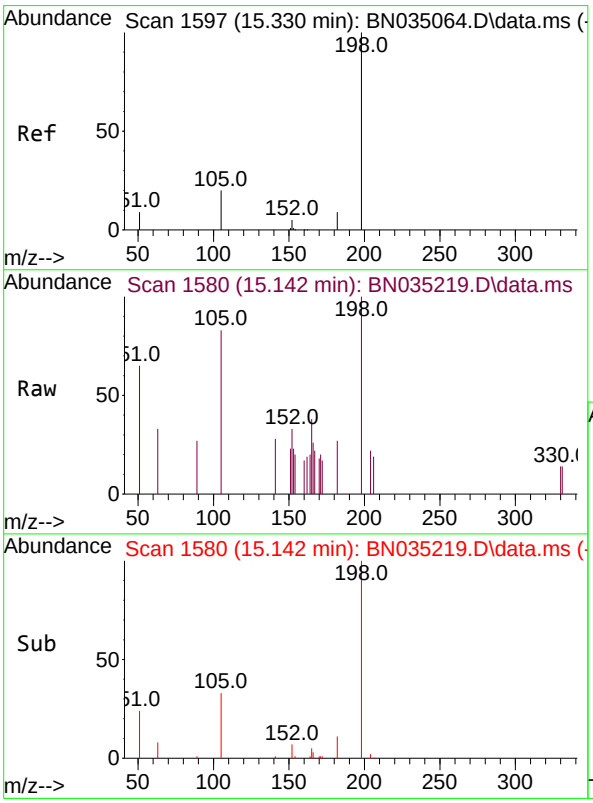
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.2	4.3	6.5#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

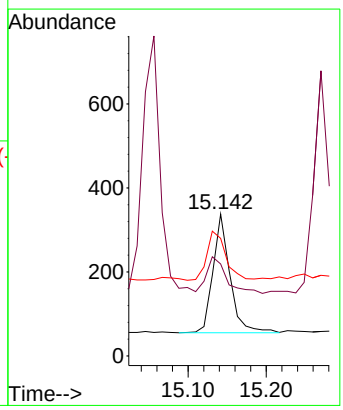
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

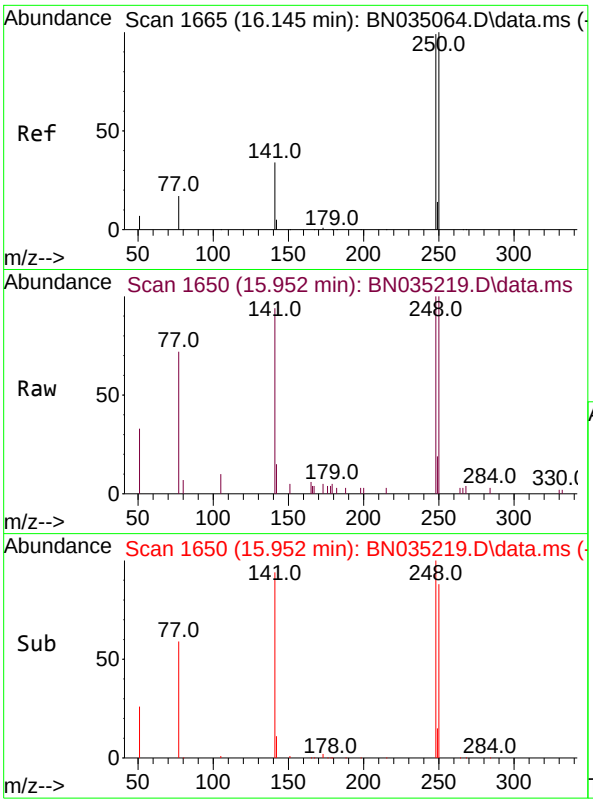


#20
4,6-Dinitro-2-methylphenol
Concen: 0.156 ng
RT: 15.142 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:198 Resp: 427

Ion	Ratio	Lower	Upper
198	100		
51	64.8	29.9	44.9#
105	82.8	23.7	35.5#





#21
4-Bromophenyl-phenylether
Concen: 0.381 ng
RT: 15.952 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

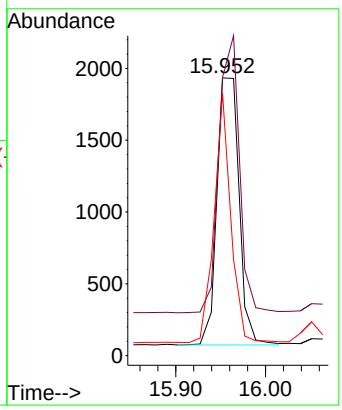
Tgt Ion:248 Resp: 318

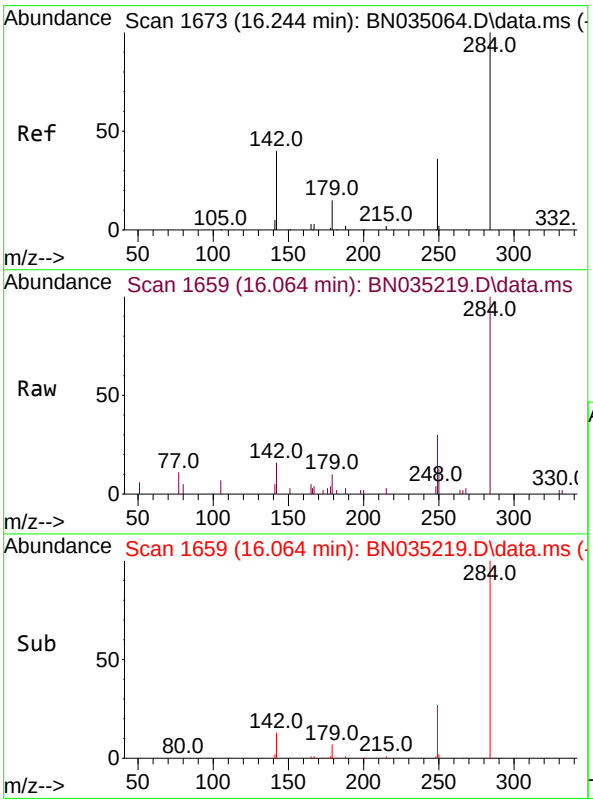
Ion	Ratio	Lower	Upper
248	100		
250	100.2	81.2	121.8
141	94.6	29.1	43.7

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

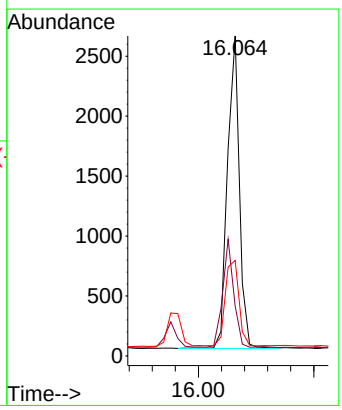


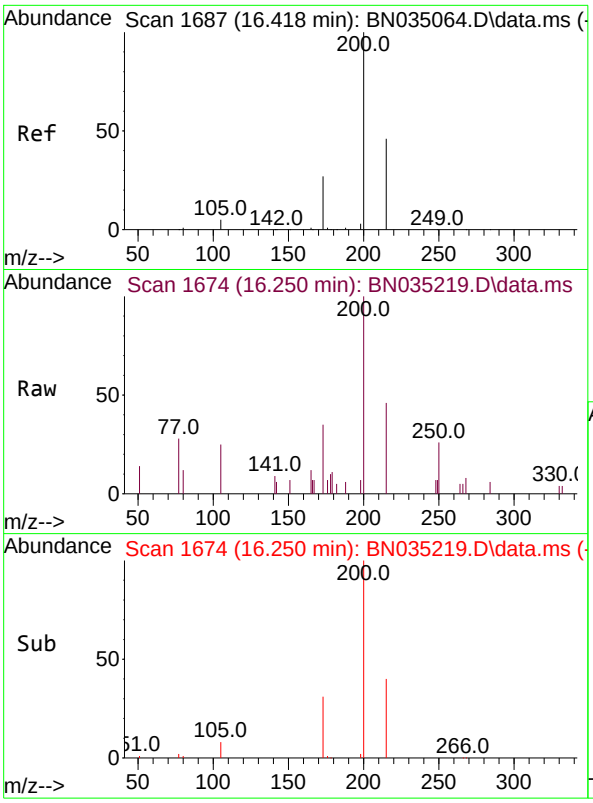


#22
Hexachlorobenzene
Concen: 0.432 ng
RT: 16.064 min Scan# 1659
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:284 Resp: 3749

Ion	Ratio	Lower	Upper
284	100		
142	32.4	28.2	42.4
249	31.3	26.2	39.2

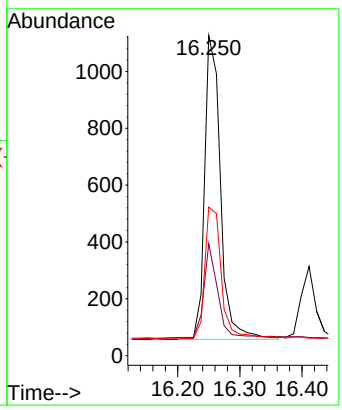




#23
Atrazine
Concen: 0.253 ng
RT: 16.250 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:200 Resp: 190

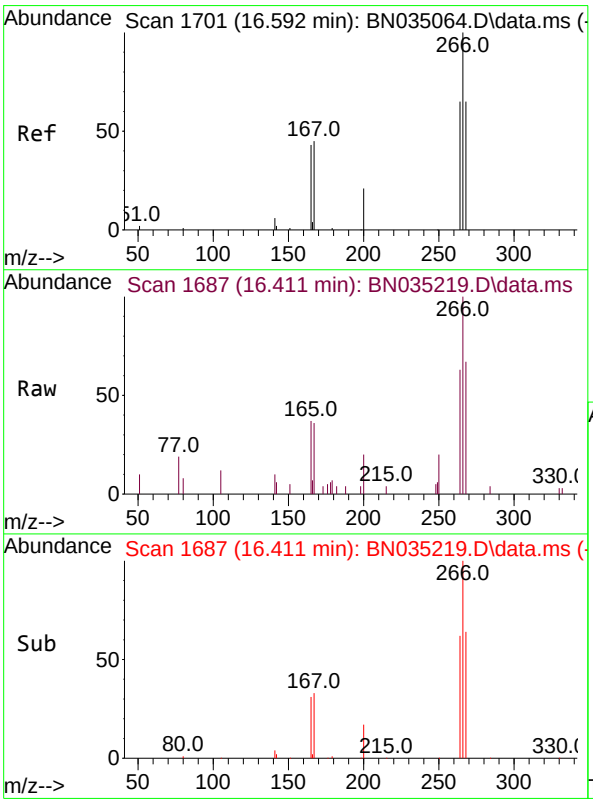
Ion	Ratio	Lower	Upper
200	100		
173	35.0	22.6	33.8
215	46.4	37.8	56.6



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

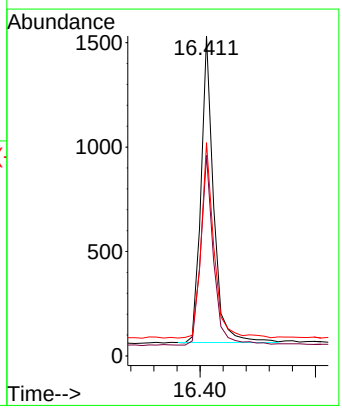
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

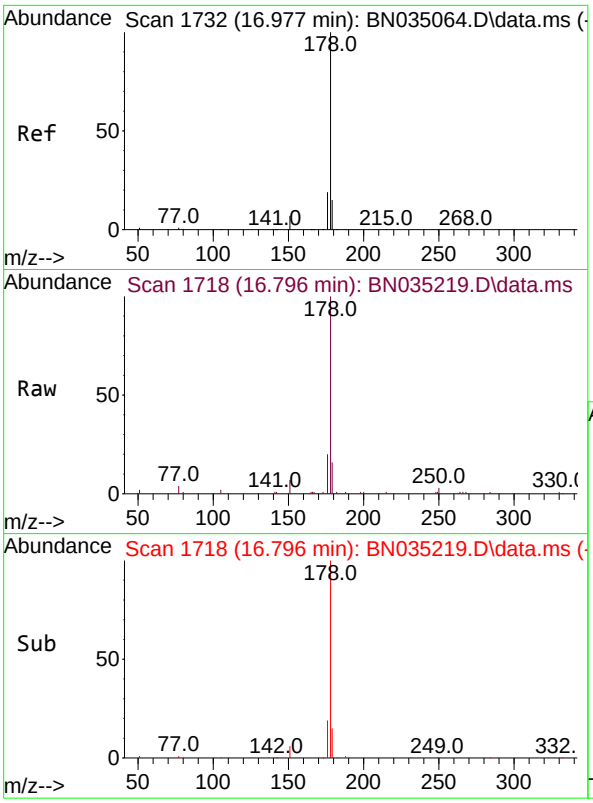


#24
Pentachlorophenol
Concen: 0.551 ng
RT: 16.411 min Scan# 1687
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:266 Resp: 2236

Ion	Ratio	Lower	Upper
266	100		
264	63.4	49.4	74.0
268	64.6	52.6	79.0

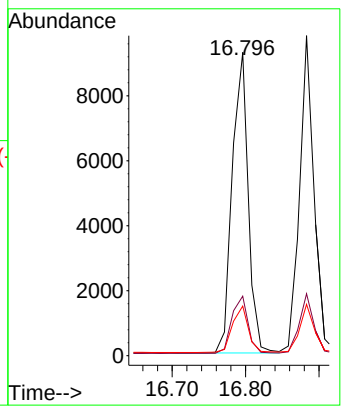




#25
Phenanthrene
Concen: 0.405 ng
RT: 16.796 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:178 Resp: 1399

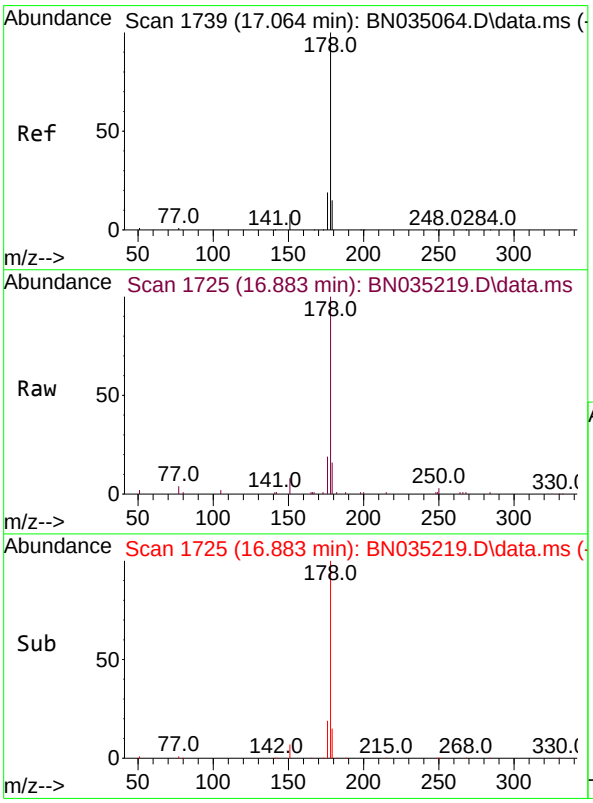
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.2	22.8
179	15.5	12.6	18.8



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

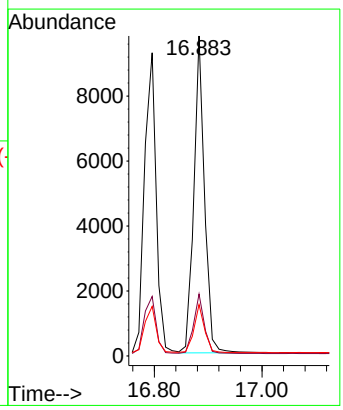
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

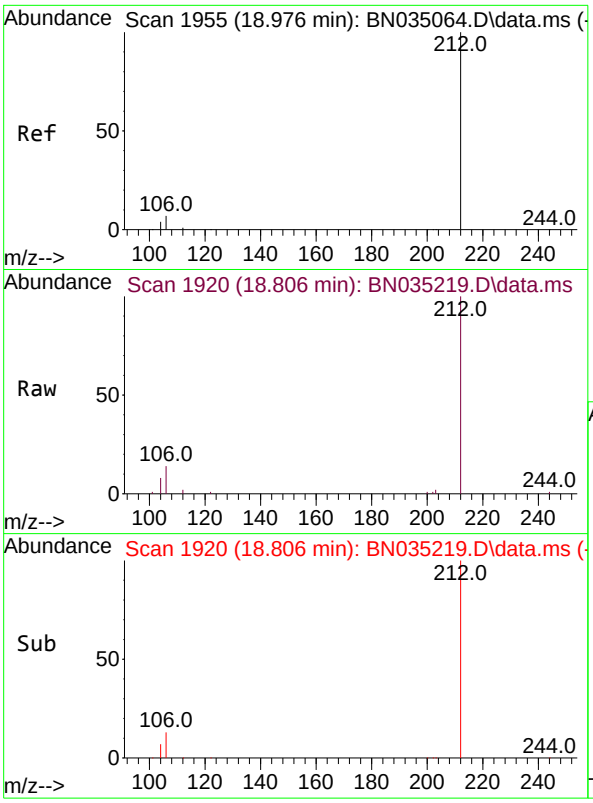


#26
Anthracene
Concen: 0.425 ng
RT: 16.883 min Scan# 1725
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:178 Resp: 13479

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	15.2	12.2	18.2

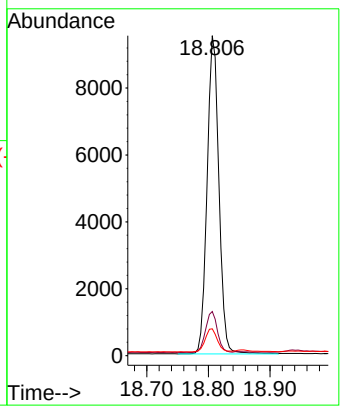




#27
Fluoranthene-d10
Concen: 0.312 ng
RT: 18.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:212 Resp: 1255

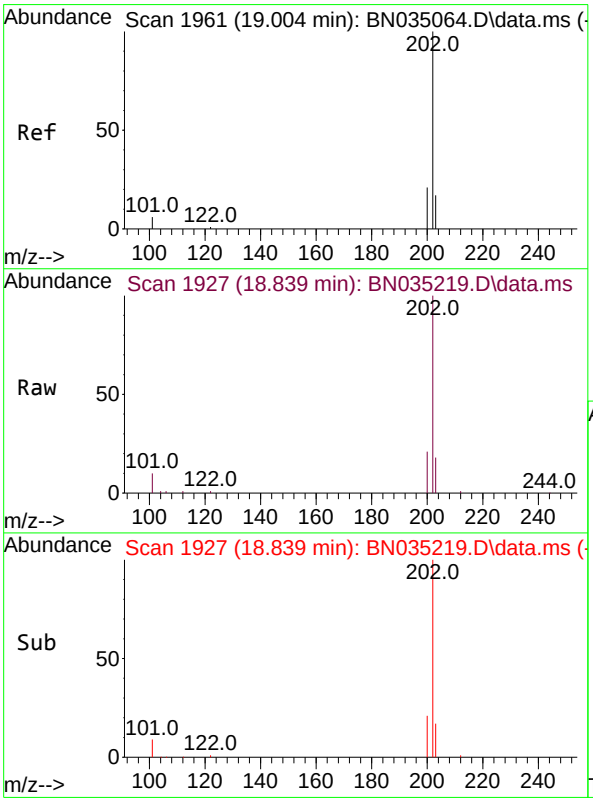
Ion	Ratio	Lower	Upper
212	100		
106	13.0	6.0	9.0#
104	7.5	3.5	5.3#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

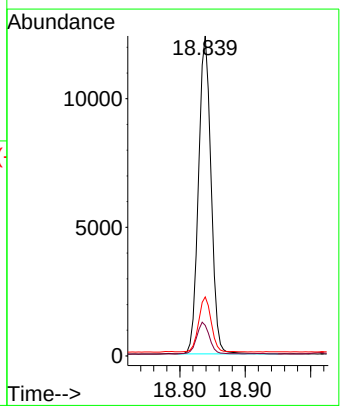
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

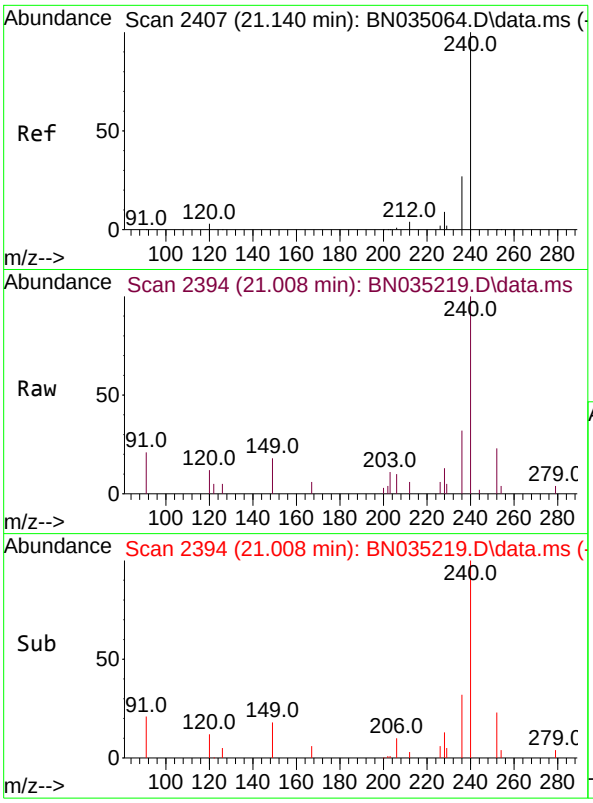


#28
Fluoranthene
Concen: 0.345 ng
RT: 18.839 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:202 Resp: 16410

Ion	Ratio	Lower	Upper
202	100		
101	10.1	5.2	7.8#
203	17.3	13.8	20.8

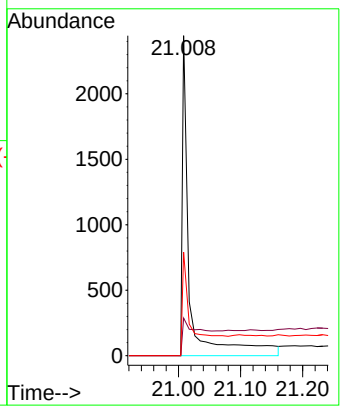




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:240 Resp: 217

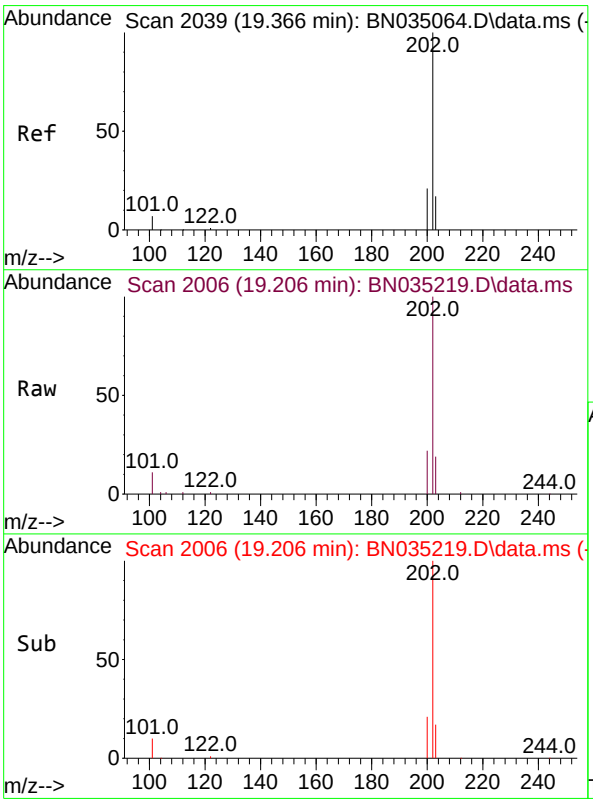
Ion	Ratio	Lower	Upper
240	100		
120	11.7	3.8	5.6
236	32.4	22.2	33.2



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

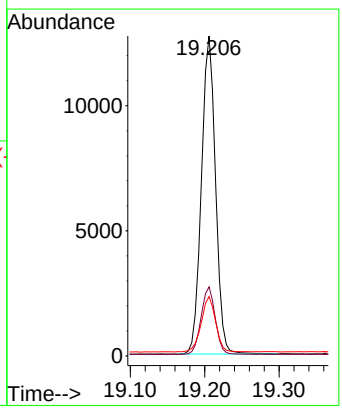
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

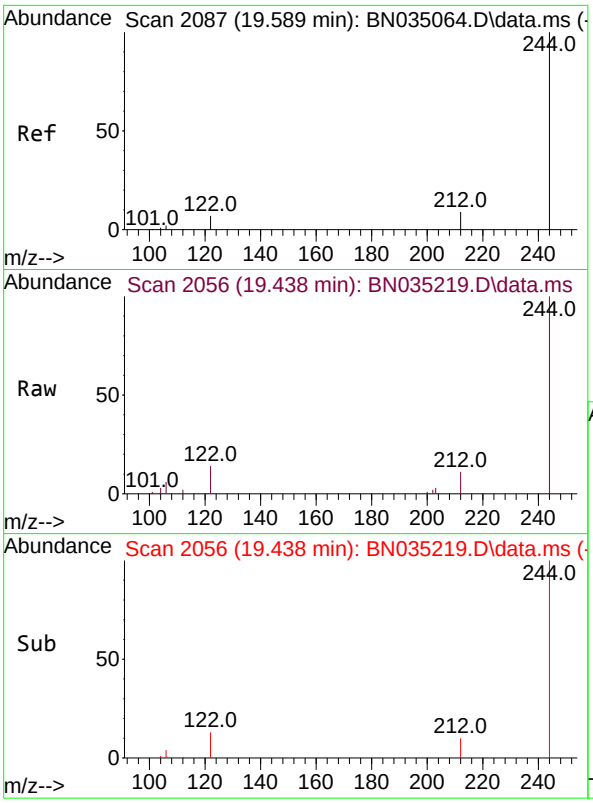


#30
Pyrene
Concen: 2.306 ng
RT: 19.206 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:202 Resp: 16732

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.8	14.2	21.4

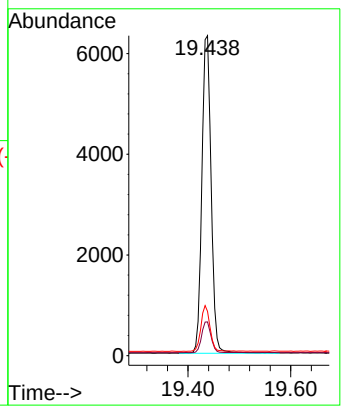




#31
Terphenyl-d14
Concen: 1.730 ng
RT: 19.438 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

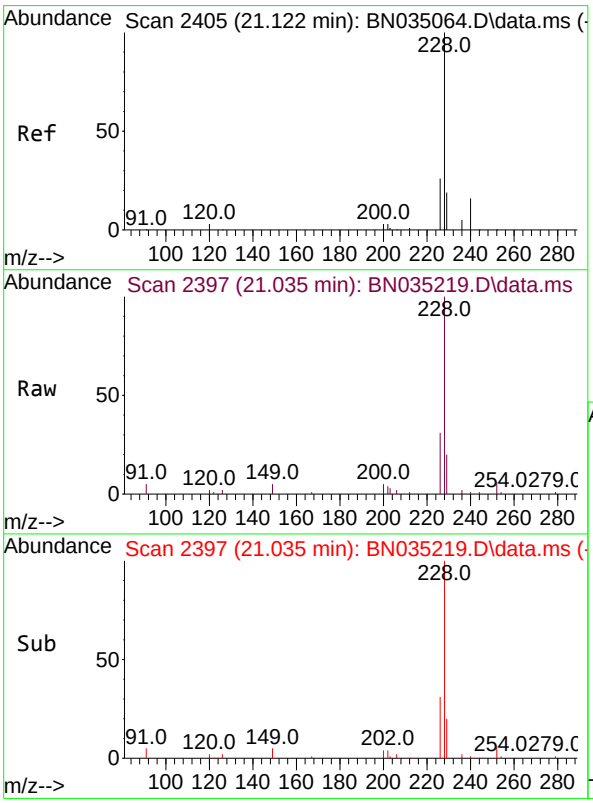
Tgt Ion:244 Resp: 790

Ion	Ratio	Lower	Upper
244	100		
212	10.5	7.6	11.4
122	13.8	6.1	9.1



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

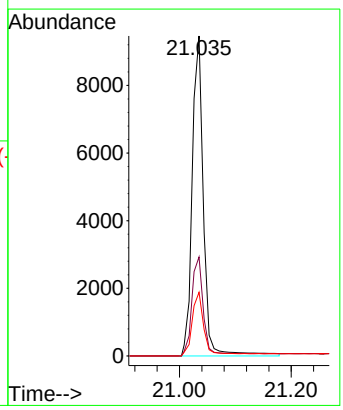
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

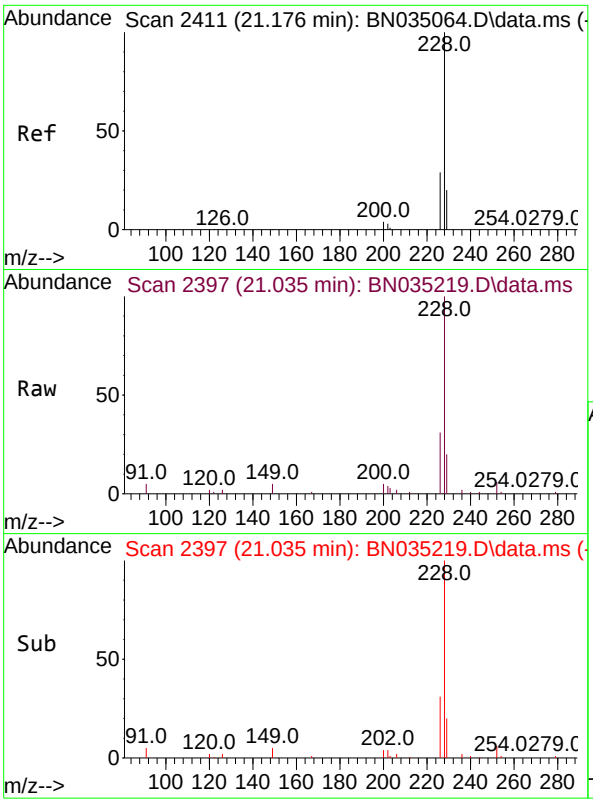


#32
Benzo(a)anthracene
Concen: 1.669 ng
RT: 21.035 min Scan# 2397
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:228 Resp: 12666

Ion	Ratio	Lower	Upper
228	100		
226	30.9	21.4	32.0
229	19.9	15.7	23.5

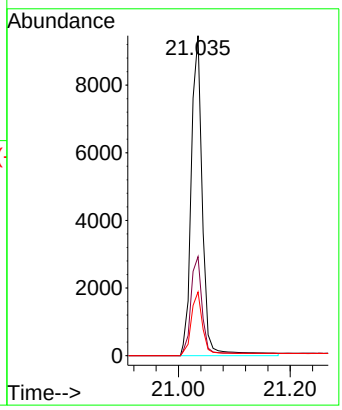




#33
Chrysene
Concen: 1.685 ng
RT: 21.035 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:228 Resp: 1266

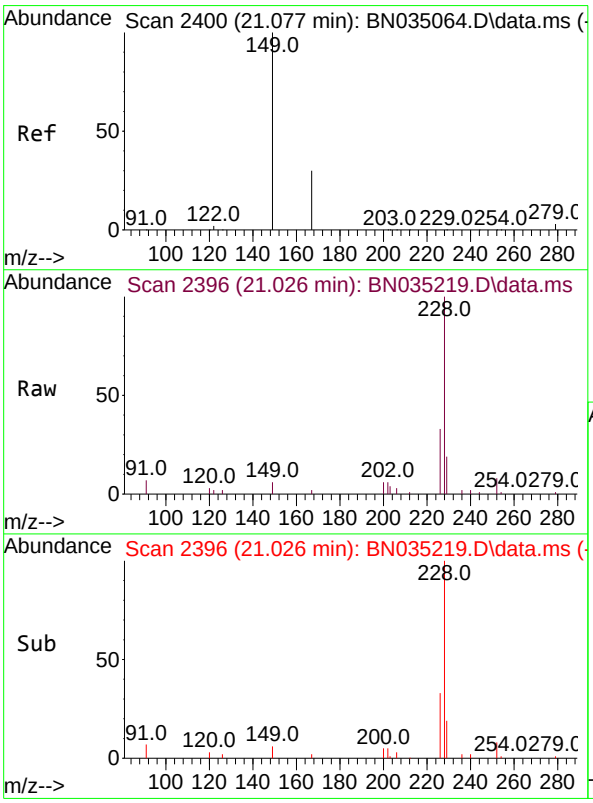
Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.7	35.5
229	19.9	16.2	24.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

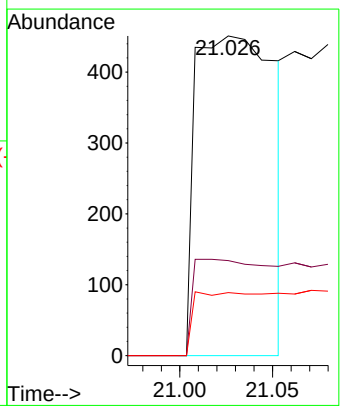
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

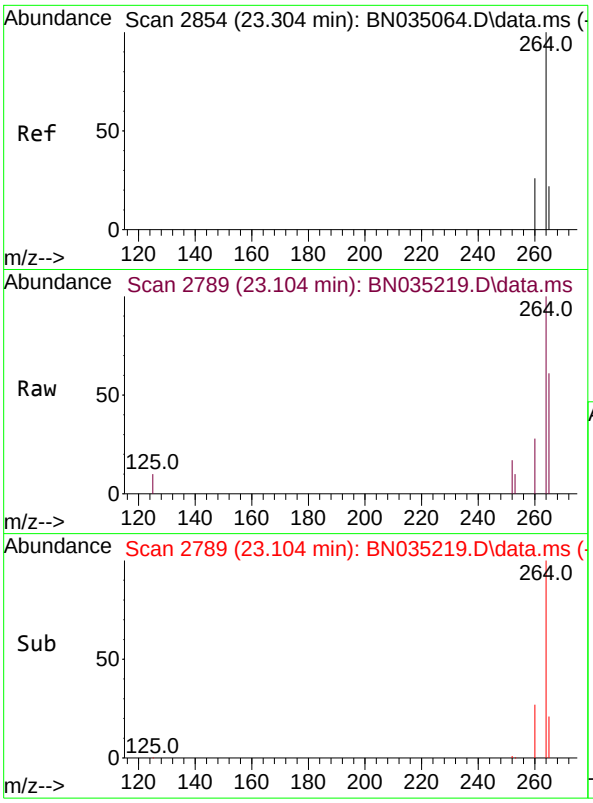


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.302 ng
RT: 21.026 min Scan# 2396
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:149 Resp: 1204

Ion	Ratio	Lower	Upper
149	100		
167	30.3	23.2	34.8
279	16.4	3.2	4.8#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

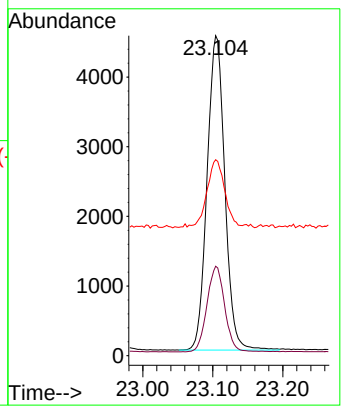
Tgt Ion:264 Resp: 793

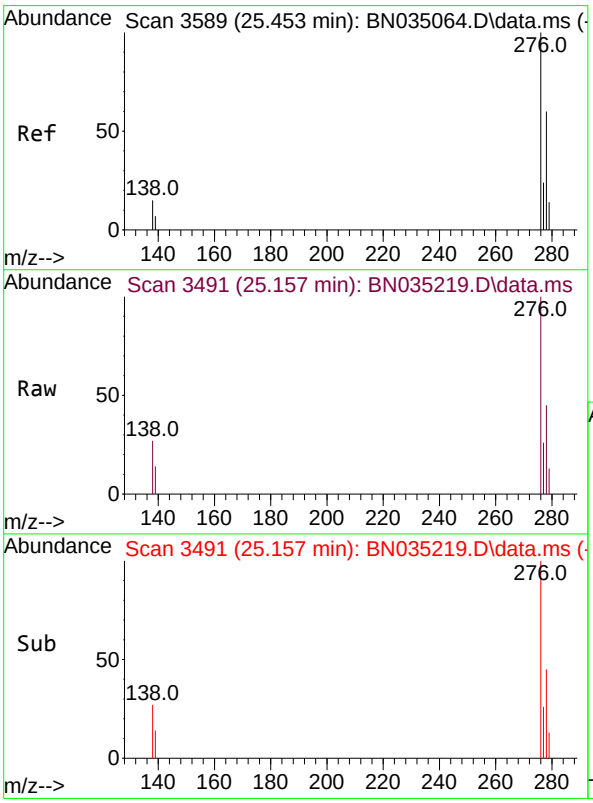
Ion	Ratio	Lower	Upper
264	100		
260	27.9	20.9	31.3
265	61.2	35.4	53.2#

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

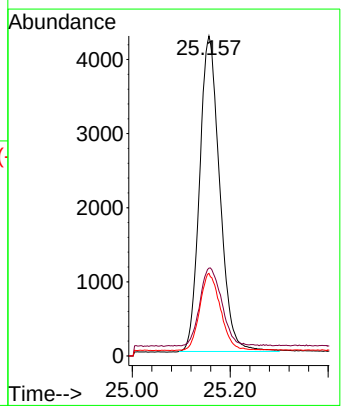


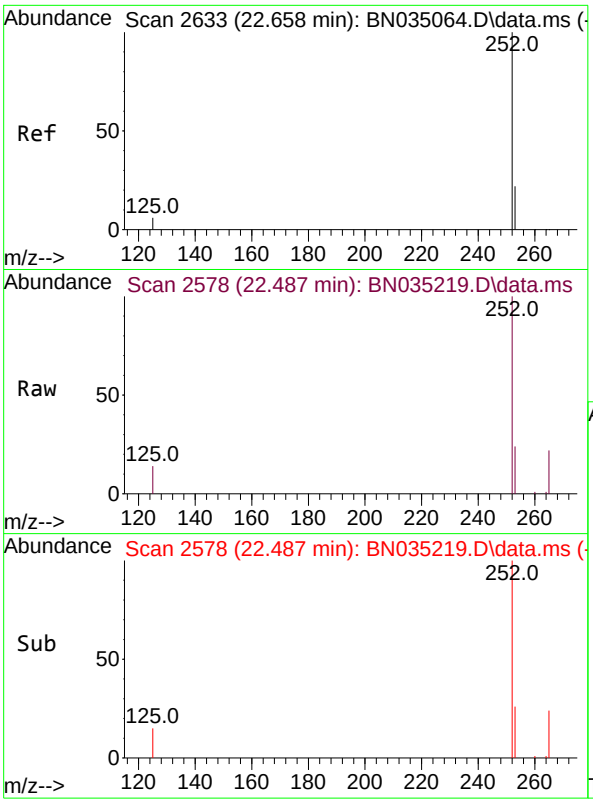


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.384 ng
RT: 25.157 min Scan# 3491
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:276 Resp: 12159

Ion	Ratio	Lower	Upper
276	100		
138	25.9	13.0	19.4#
277	24.1	19.8	29.6

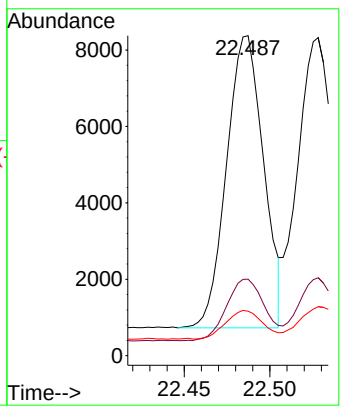




#37
Benzo(b)fluoranthene
Concen: 0.429 ng
RT: 22.487 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

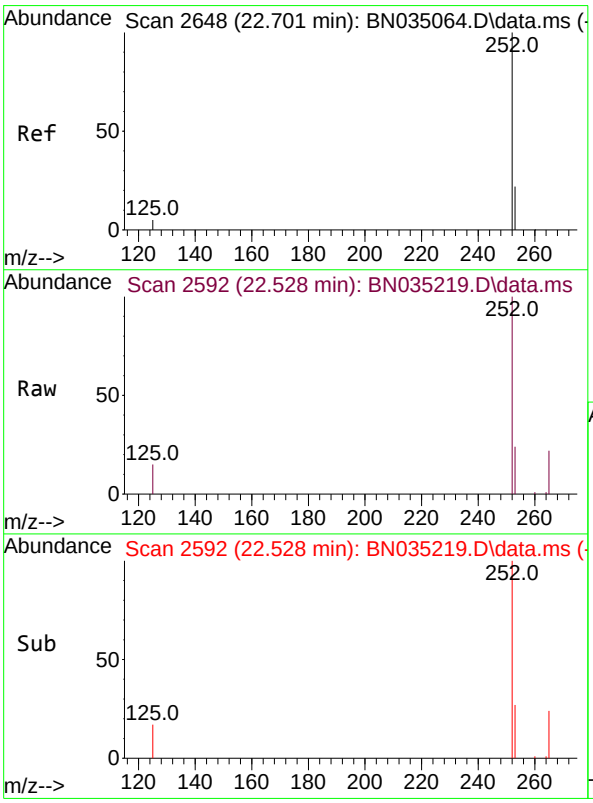
Tgt Ion:252 Resp: 1145

Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.3	28.9
125	13.9	6.2	9.2#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

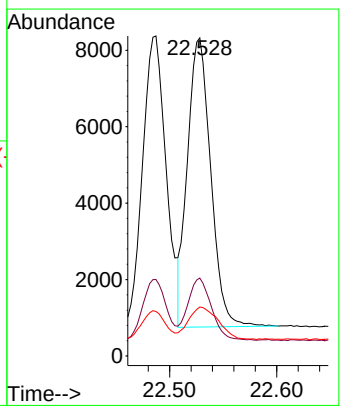
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

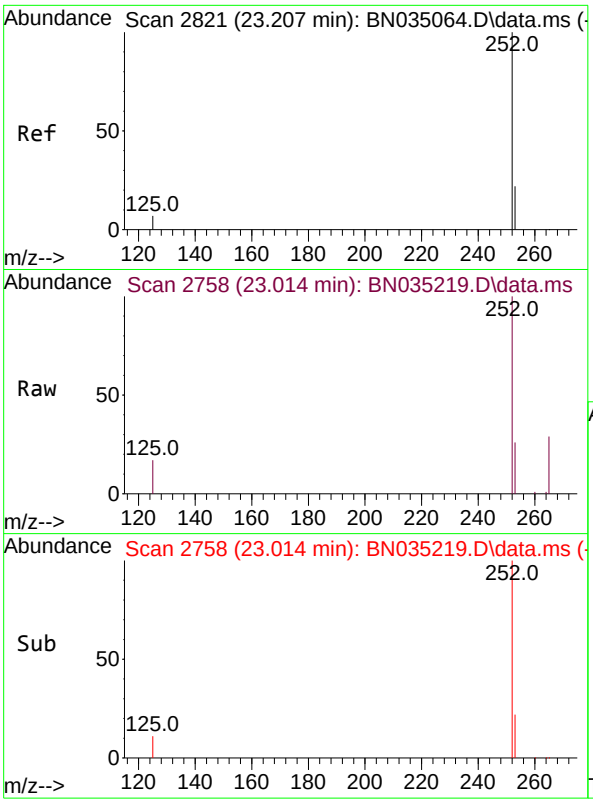


#38
Benzo(k)fluoranthene
Concen: 0.428 ng
RT: 22.528 min Scan# 2592
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:252 Resp: 11422

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.5	29.3
125	15.4	6.5	9.7#

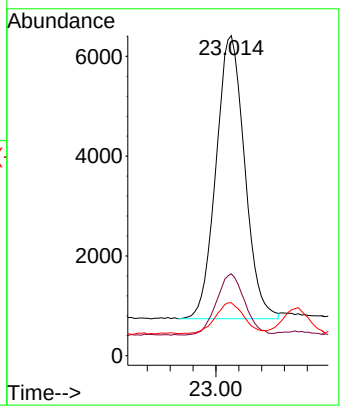




#39
Benzo(a)pyrene
Concen: 0.420 ng
RT: 23.014 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:252 Resp: 986

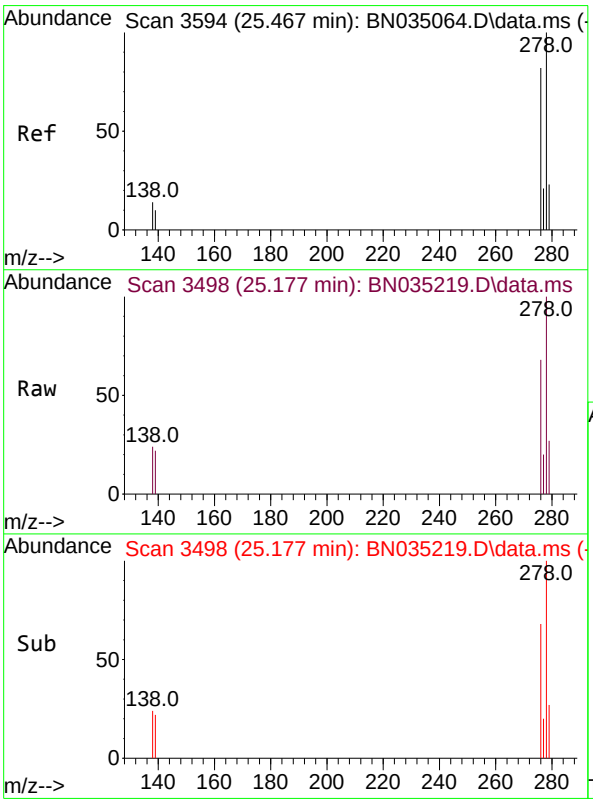
Ion	Ratio	Lower	Upper
252	100		
253	25.6	20.1	30.1
125	16.6	7.5	11.3#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

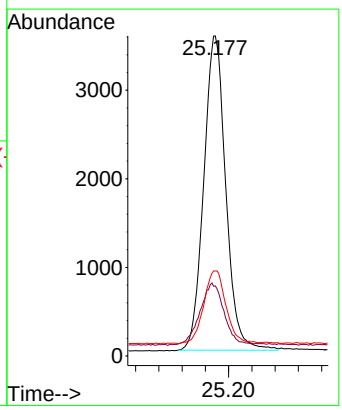
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

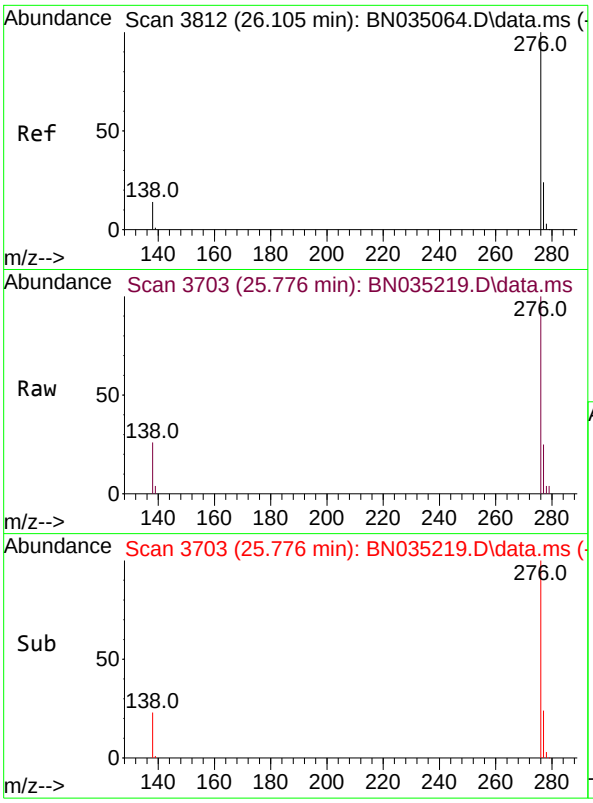


#40
Dibenzo(a,h)anthracene
Concen: 0.372 ng
RT: 25.177 min Scan# 3498
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:278 Resp: 9332

Ion	Ratio	Lower	Upper
278	100		
139	21.9	9.3	13.9#
279	26.5	19.7	29.5

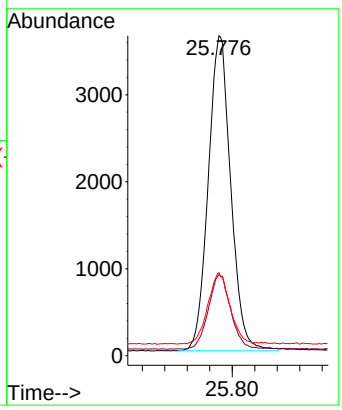




#41
Benzo(g,h,i)perylene
Concen: 0.377 ng
RT: 25.776 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:276 Resp: 1004

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.9	29.9
138	26.0	11.6	17.4#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035219.D
Acq On : 21 Nov 2024 13:22
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Nov 21 14:33:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
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	127	0.00
2		1,4-Dioxane	0.363	0.403	-11.0	152#	0.00
3		n-Nitrosodimethylamine	0.339	0.350	-3.2	136	0.00
4	S	2-Fluorophenol	1.015	1.174	-15.7	157#	0.00
5	S	Phenol-d6	1.273	1.472	-15.6	161#	0.00
6		bis(2-Chloroethyl)ether	0.956	1.074	-12.3	152#	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	125	0.00
8	S	Nitrobenzene-d5	0.348	0.208	40.2#	81	0.00
9		Naphthalene	1.044	1.025	1.8	131	0.00
10		Hexachlorobutadiene	0.306	0.248	19.0	106	0.00
11	SURR	2-Methylnaphthalene-d10	0.713	0.604	15.3	114	0.00
12		2-Methylnaphthalene	0.770	0.725	5.8	128	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	108	0.00
14	S	2,4,6-Tribromophenol	0.289	0.331	-14.5	149	0.00
15	S	2-Fluorobiphenyl	1.624	0.299	81.6#	22#	0.00
16		Acenaphthylene	1.709	1.782	-4.3	129	0.00
17		Acenaphthene	1.120	1.101	1.7	119	0.00
18		Fluorene	1.648	1.537	6.7	114	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00
20		4,6-Dinitro-2-methylphenol	0.083	0.033	60.2#	44#	0.00
21		4-Bromophenyl-phenylether	0.255	0.243	4.7	96	0.00
22		Hexachlorobenzene	0.264	0.285	-8.0	110	0.00
23		Atrazine	0.229	0.145	36.7#	65	0.00
24		Pentachlorophenol	0.124	0.170	-37.1#	159#	0.00
25		Phenanthrene	1.053	1.066	-1.2	103	0.00
26		Anthracene	0.967	1.026	-6.1	109	0.00
27	SURR	Fluoranthene-d10	1.225	0.956	22.0	80	0.00
28		Fluoranthene	1.448	1.250	13.7	88	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	15#	0.00
30		Pyrene	1.332	7.679	-476.5#	87	0.00
31	S	Terphenyl-d14	0.839	3.629	-332.5#	65	0.00
32		Benzo(a)anthracene	1.393	5.813	-317.3#	64	0.00
33		Chrysene	1.380	5.813	-321.2#	64	0.00
34		Bis(2-ethylhexyl)phthalate	0.731	0.553	24.4	12#	0.00
35	I	Perylene-d12	1.000	1.000	0.0	46#	0.00
36		Indeno(1,2,3-cd)pyrene	1.596	1.532	4.0	47#	0.00
37		Benzo(b)fluoranthene	1.346	1.443	-7.2	52	0.00
38		Benzo(k)fluoranthene	1.347	1.439	-6.8	52	0.00
39	C	Benzo(a)pyrene	1.184	1.243	-5.0	51	0.00
40		Dibenzo(a,h)anthracene	1.264	1.176	7.0	45#	0.00
41		Benzo(g,h,i)perylene	1.345	1.266	5.9	46#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035219.D
Acq On : 21 Nov 2024 13:22
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Nov 21 14:33:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	127	0.00
2		1,4-Dioxane	0.400	0.443	-10.7	152	0.00
3		n-Nitrosodimethylamine	0.400	0.413	-3.2	136	0.00
4	S	2-Fluorophenol	0.400	0.462	-15.5	157	0.00
5	S	Phenol-d6	0.400	0.463	-15.8	161	0.00
6		bis(2-Chloroethyl)ether	0.400	0.450	-12.5	152	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	125	0.00
8	S	Nitrobenzene-d5	0.400	0.238	40.5#	81	0.00
9		Naphthalene	0.400	0.393	1.8	131	0.00
10		Hexachlorobutadiene	0.400	0.324	19.0	106	0.00
11	SURR	2-Methylnaphthalene-d10	0.400	0.339	15.3	114	0.00
12		2-Methylnaphthalene	0.400	0.377	5.8	128	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	108	0.00
14	S	2,4,6-Tribromophenol	0.400	0.458	-14.5	149	0.00
15	S	2-Fluorobiphenyl	0.400	0.074	81.5#	22	0.00
16		Acenaphthylene	0.400	0.417	-4.2	129	0.00
17		Acenaphthene	0.400	0.393	1.8	119	0.00
18		Fluorene	0.400	0.373	6.8	114	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	97	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.156	61.0#	44	0.00
21		4-Bromophenyl-phenylether	0.400	0.381	4.8	96	0.00
22		Hexachlorobenzene	0.400	0.432	-8.0	110	0.00
23		Atrazine	0.400	0.253	36.8#	65	0.00
24		Pentachlorophenol	0.400	0.551	-37.8#	159	0.00
25		Phenanthrene	0.400	0.405	-1.3	103	0.00
26		Anthracene	0.400	0.425	-6.2	109	0.00
27	SURR	Fluoranthene-d10	0.400	0.312	22.0	80	0.00
28		Fluoranthene	0.400	0.345	13.8	88	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	15	0.00
30		Pyrene	0.400	2.306	-476.5#	87	0.00
31	S	Terphenyl-d14	0.400	1.730	-332.5#	65	0.00
32		Benzo(a)anthracene	0.400	1.669	-317.3#	64	0.00
33		Chrysene	0.400	1.685	-321.3#	64	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.302	24.5	12	0.00
35	I	Perylene-d12	0.400	0.400	0.0	46	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.384	4.0	47	0.00
37		Benzo(b)fluoranthene	0.400	0.429	-7.2	52	0.00
38		Benzo(k)fluoranthene	0.400	0.428	-7.0	52	0.00
39	C	Benzo(a)pyrene	0.400	0.420	-5.0	51	0.00
40		Dibenzo(a,h)anthracene	0.400	0.372	7.0	45	0.00
41		Benzo(g,h,i)perylene	0.400	0.377	5.8	46	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG No.: P4934

Instrument ID: BNA_N Calibration Date/Time: 11/21/2024 23:01

Lab File ID: BN035235.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 12:40 16:15

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.713	0.581		-18.5	50.0
Fluoranthene-d10	1.225	0.987		-19.4	50.0
2-Fluorophenol	1.015	1.087		7.1	50.0
Phenol-d6	1.273	1.273		0.0	50.0
Nitrobenzene-d5	0.348	0.189		-45.7	50.0
2-Fluorobiphenyl	1.624	0.255		-84.3	50.0
2,4,6-Tribromophenol	0.289	0.242		-16.3	50.0
Terphenyl-d14	0.839	6.857		717.3	50.0
1,4-Dioxane	0.363	0.381		5.0	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035235.D
Acq On : 21 Nov 2024 23:01
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 21 23:33:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.322	152	3350	0.400	ng	0.00
7) Naphthalene-d8	10.073	136	7674	0.400	ng	0.00
13) Acenaphthene-d10	13.976	164	4706	0.400	ng	-0.01
19) Phenanthrene-d10	16.746	188	9785	0.400	ng	# 0.00
29) Chrysene-d12	21.008	240	924	0.400	ng	# 0.00
35) Perylene-d12	23.092	264	8785	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.975	112	3641	0.428	ng	0.00
5) Phenol-d6	6.528	99	4263	0.400	ng	0.00
8) Nitrobenzene-d5	8.461	82	1450m	0.217	ng	0.00
11) 2-Methylnaphthalene-d10	11.674	152	4455	0.326	ng	0.00
14) 2,4,6-Tribromophenol	15.494	330	1140	0.336	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	1202	0.063	ng	0.00
27) Fluoranthene-d10	18.802	212	9657	0.322	ng	0.00
31) Terphenyl-d14	19.429	244	6336	3.268	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.011	88	1275	0.419	ng	92
3) n-Nitrosodimethylamine	3.307	42	994	0.351	ng	# 88
6) bis(2-Chloroethyl)ether	6.773	93	3222	0.403	ng	97
9) Naphthalene	10.116	128	7849	0.392	ng	100
10) Hexachlorobutadiene	10.415	225	1778	0.303	ng	# 99
12) 2-Methylnaphthalene	11.750	142	5199	0.352	ng	96
16) Acenaphthylene	13.688	152	7880	0.392	ng	99
17) Acenaphthene	14.040	154	5046	0.383	ng	98
18) Fluorene	15.045	166	6711	0.346	ng	99
20) 4,6-Dinitro-2-methylph...	15.142	198	322	0.158	ng	# 47
21) 4-Bromophenyl-phenylether	15.952	248	2324	0.373	ng	# 84
22) Hexachlorobenzene	16.051	284	2690	0.416	ng	98
23) Atrazine	16.250	200	1260	0.225	ng	95
24) Pentachlorophenol	16.411	266	1189	0.393	ng	97
25) Phenanthrene	16.784	178	10390	0.403	ng	99
26) Anthracene	16.883	178	9521	0.403	ng	99
28) Fluoranthene	18.834	202	12485	0.353	ng	# 97
30) Pyrene	19.201	202	12814	4.164	ng	99
32) Benzo(a)anthracene	21.026	228	11745	3.650	ng	96
33) Chrysene	21.026	228	11745	3.685	ng	99
34) Bis(2-ethylhexyl)phtha...	21.026	149	1040	0.616	ng	# 85
36) Indeno(1,2,3-cd)pyrene	25.145	276	13630	0.389	ng	# 90
37) Benzo(b)fluoranthene	22.475	252	11553	0.391	ng	# 95
38) Benzo(k)fluoranthene	22.519	252	11920	0.403	ng	# 94
39) Benzo(a)pyrene	23.002	252	10296	0.396	ng	# 93
40) Dibenzo(a,h)anthracene	25.162	278	10355	0.373	ng	# 90
41) Benzo(g,h,i)perylene	25.762	276	11294	0.382	ng	# 91

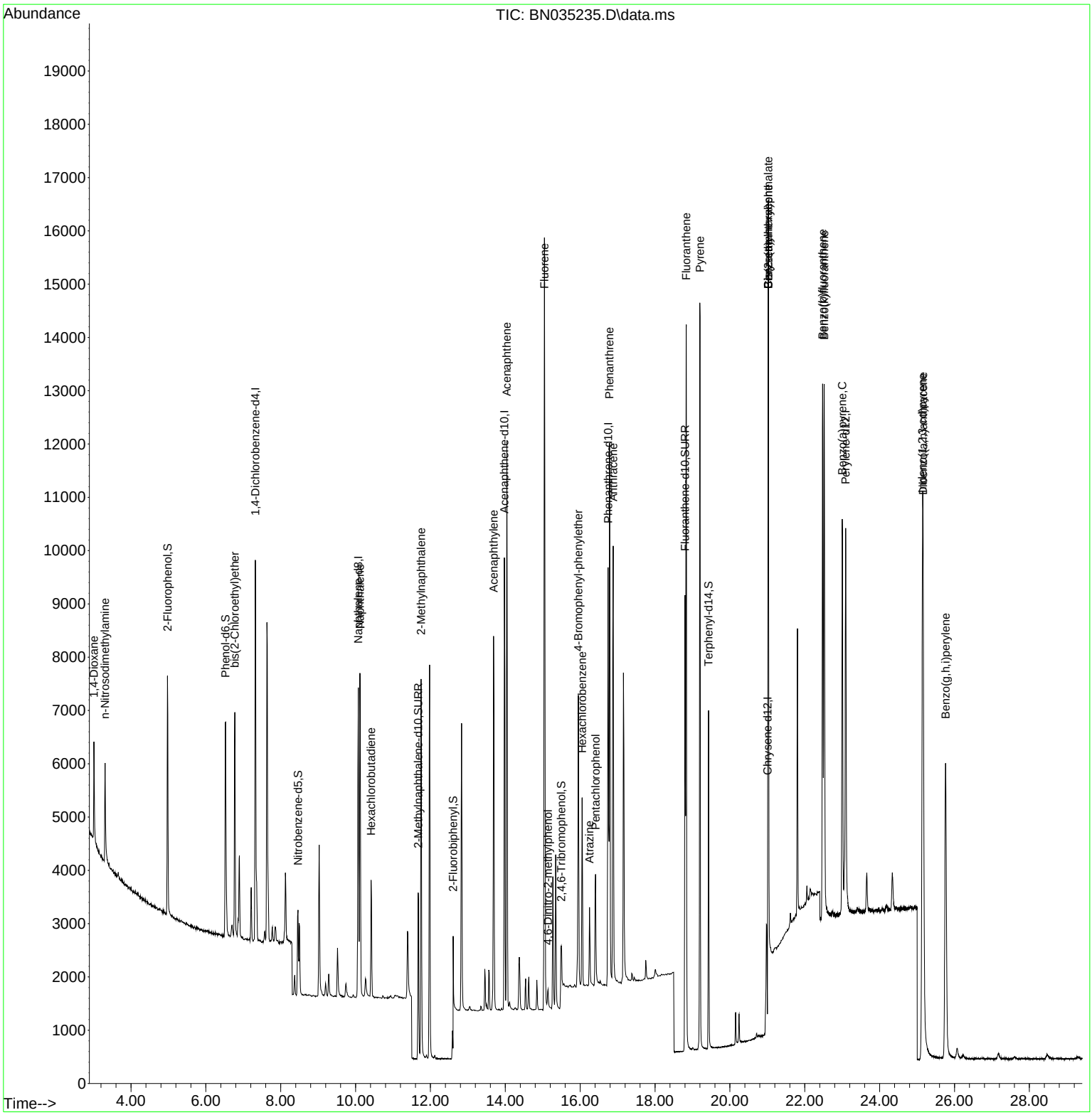
(#) = qualifier out of range (m) = manual integration (+) = signals summed

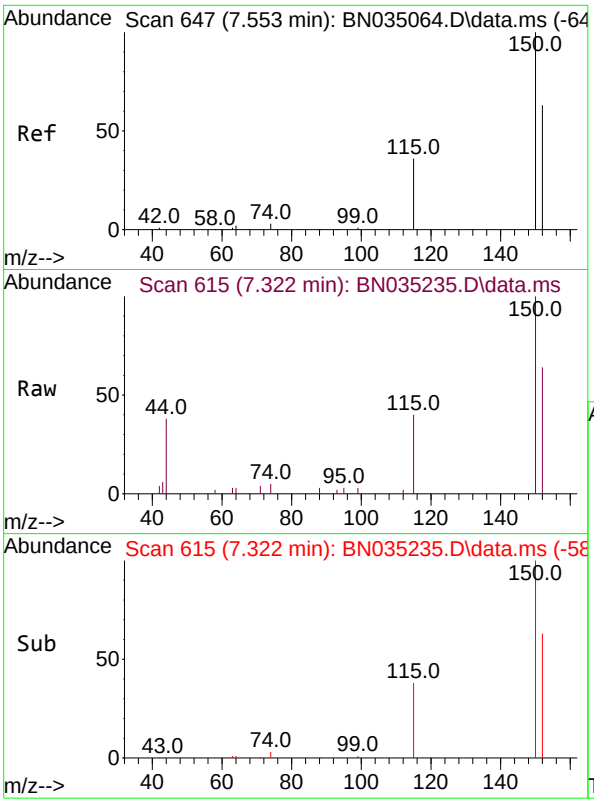
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035235.D
Acq On : 21 Nov 2024 23:01
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 21 23:33:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

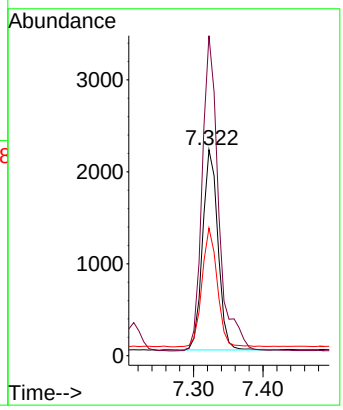




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.322 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:152 Resp: 335

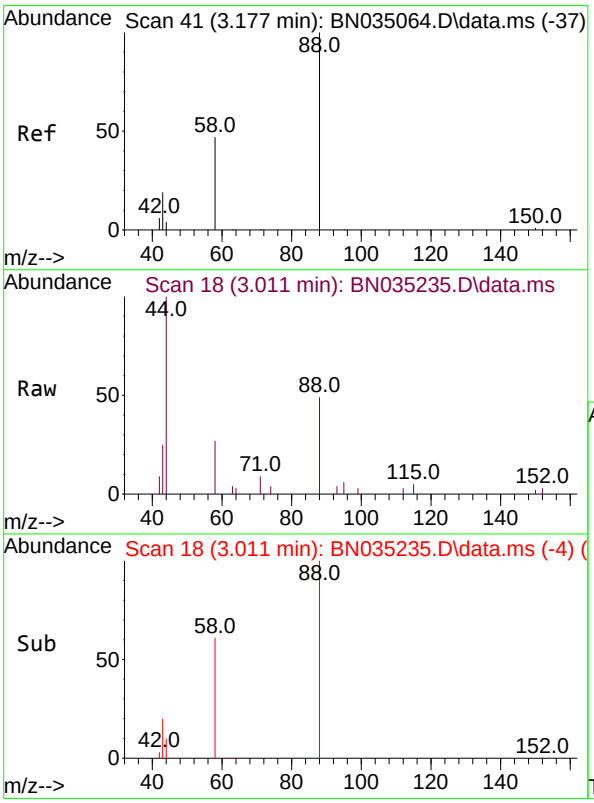
Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.5	186.7
115	62.1	47.8	71.6



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

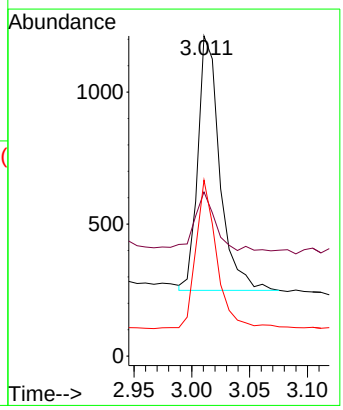
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

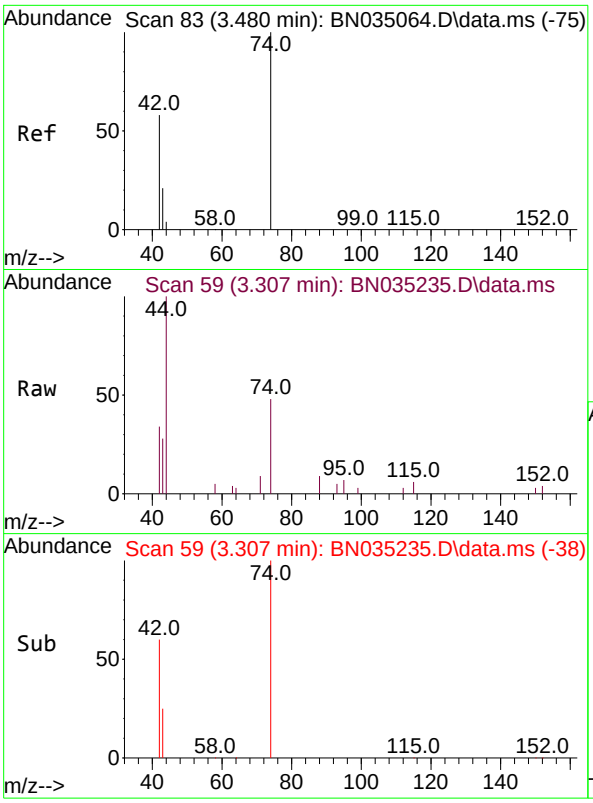


#2
1,4-Dioxane
Concen: 0.419 ng
RT: 3.011 min Scan# 18
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion: 88 Resp: 1275

Ion	Ratio	Lower	Upper
88	100		
43	22.0	16.9	25.3
58	56.2	39.0	58.4

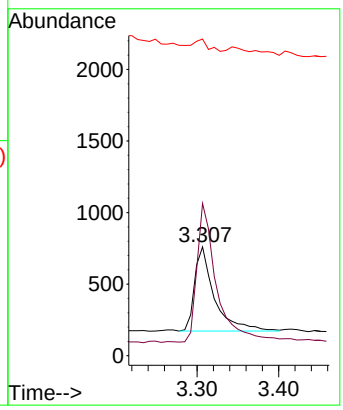




#3
n-Nitrosodimethylamine
Concen: 0.351 ng
RT: 3.307 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

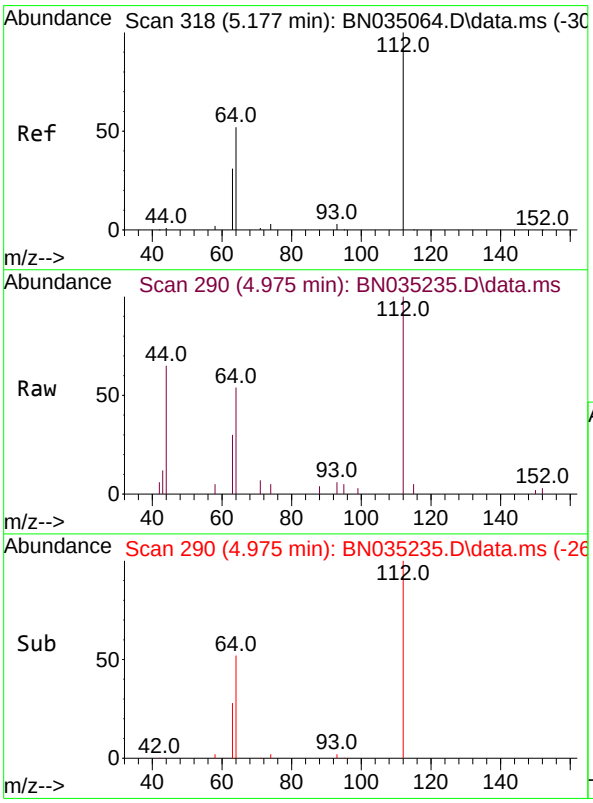
Tgt Ion: 42 Resp: 994

Ion	Ratio	Lower	Upper
42	100		
74	166.1	120.8	181.2
44	10.4	2.9	4.3#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

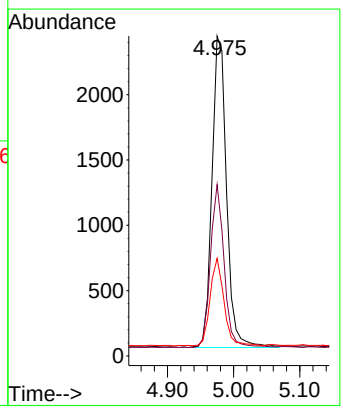
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

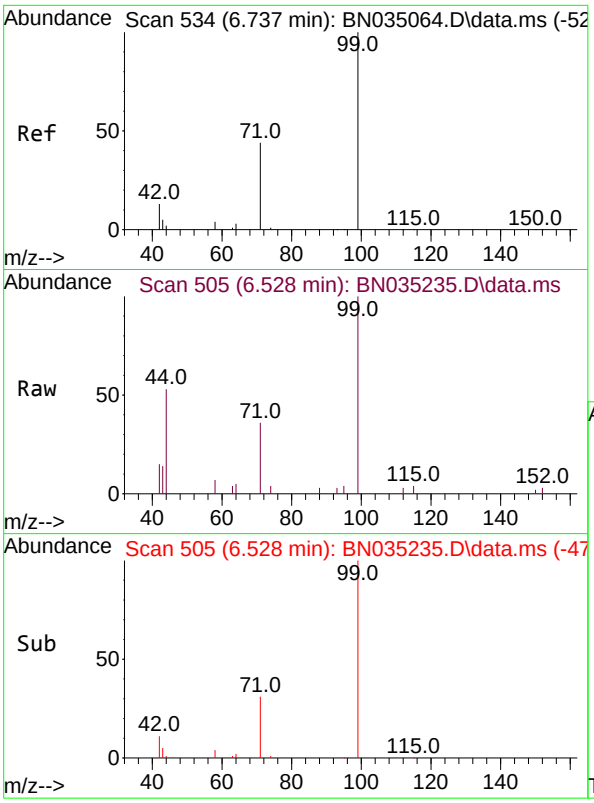


#4
2-Fluorophenol
Concen: 0.428 ng
RT: 4.975 min Scan# 290
Delta R.T. -0.007 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:112 Resp: 3641

Ion	Ratio	Lower	Upper
112	100		
64	48.9	39.7	59.5
63	26.9	23.0	34.4





#5
Phenol-d6
Concen: 0.400 ng
RT: 6.528 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

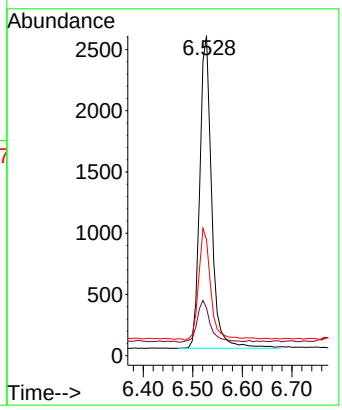
Tgt Ion: 99 Resp: 426

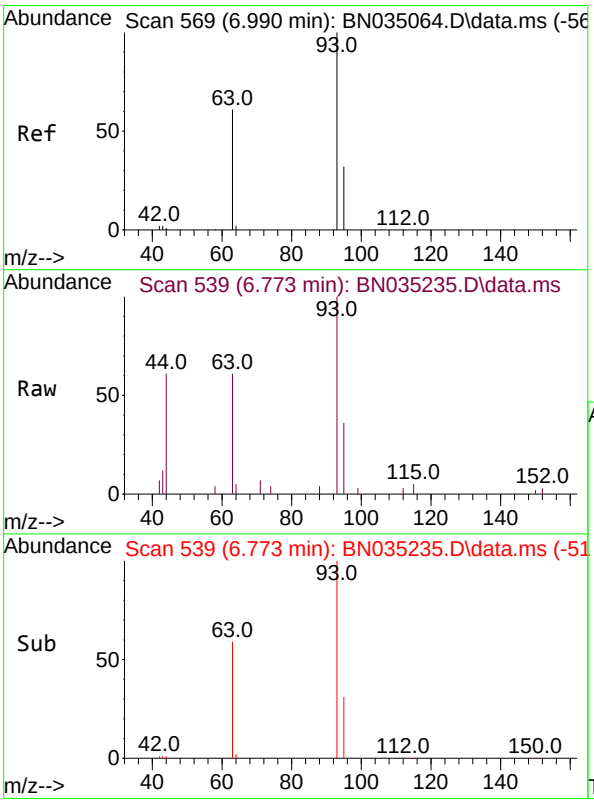
Ion	Ratio	Lower	Upper
99	100		
42	14.5	11.4	17.0
71	35.9	34.6	51.8

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

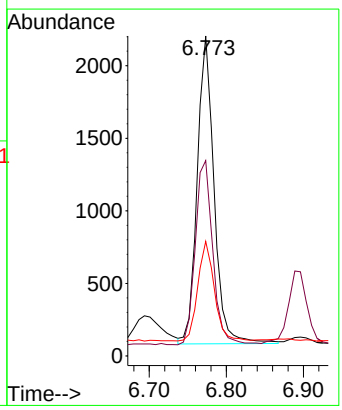


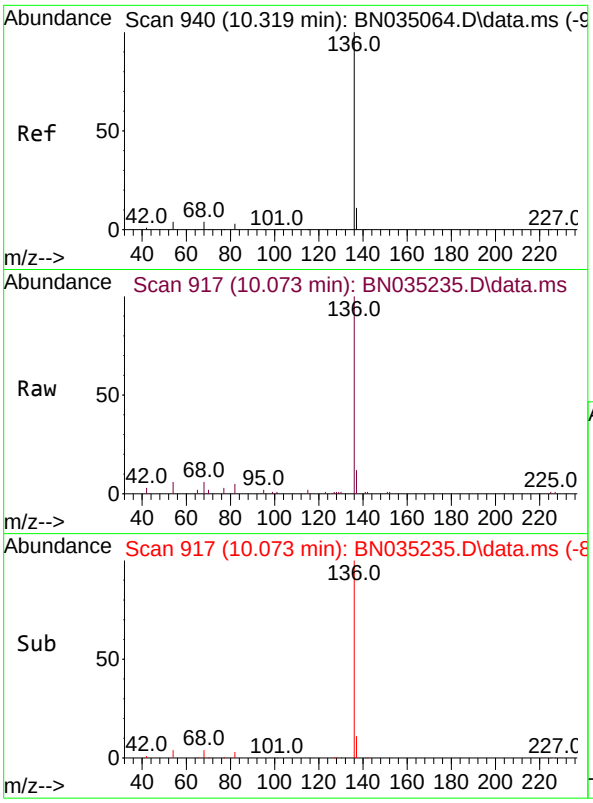


#6
bis(2-Chloroethyl)ether
Concen: 0.403 ng
RT: 6.773 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion: 93 Resp: 3222

Ion	Ratio	Lower	Upper
93	100		
63	61.9	47.4	71.2
95	31.4	26.2	39.4

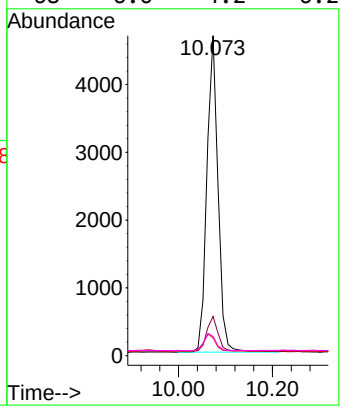




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.073 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:136 Resp: 767

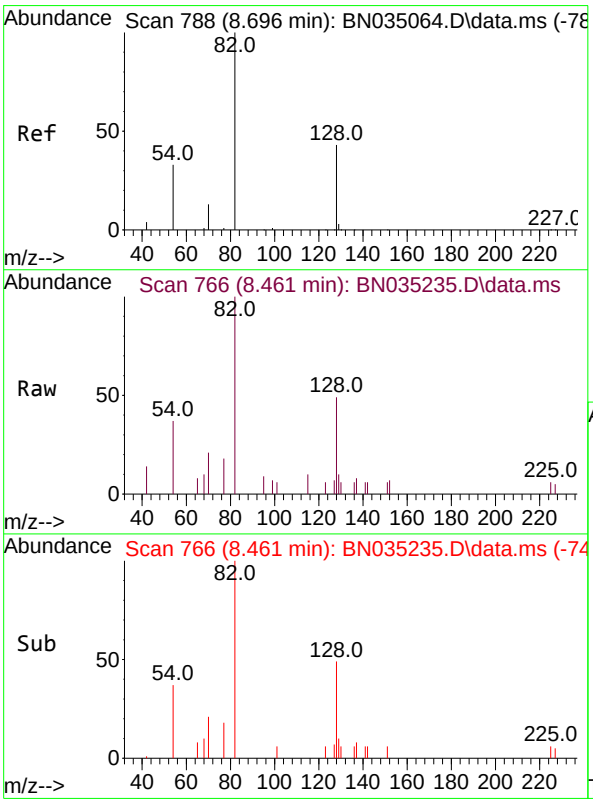
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.8	14.8
54	5.6	4.0	6.0
68	6.0	4.2	6.2



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

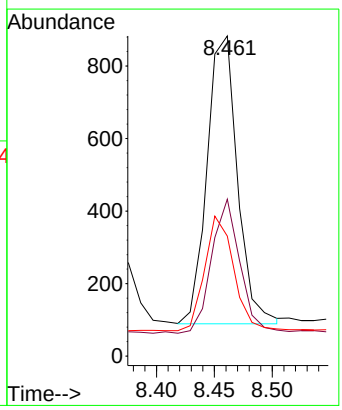
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

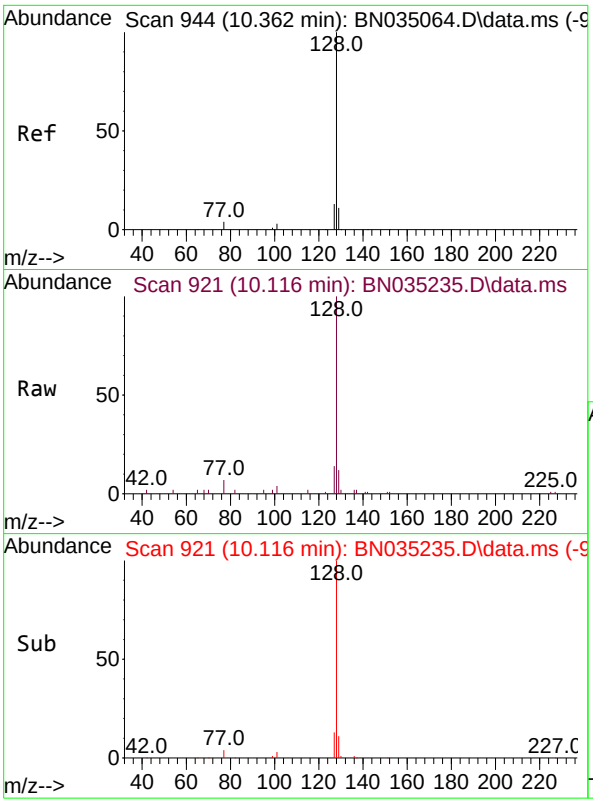


#8
Nitrobenzene-d5
Concen: 0.217 ng m
RT: 8.461 min Scan# 766
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion: 82 Resp: 1450

Ion	Ratio	Lower	Upper
82	100		
128	49.0	36.5	54.7
54	37.5	28.7	43.1

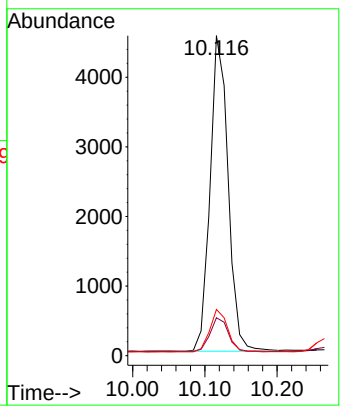




#9
Naphthalene
Concen: 0.392 ng
RT: 10.116 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:128 Resp: 784

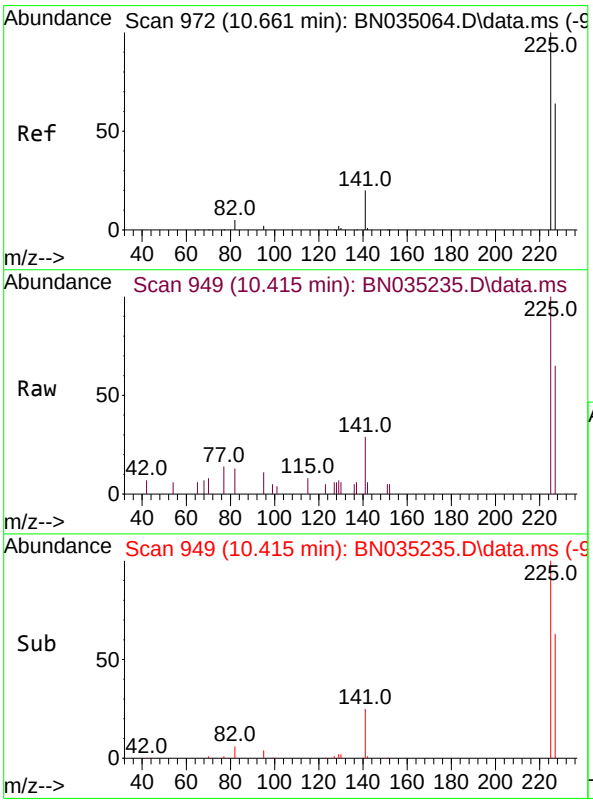
Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.6	14.4
127	14.5	11.6	17.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

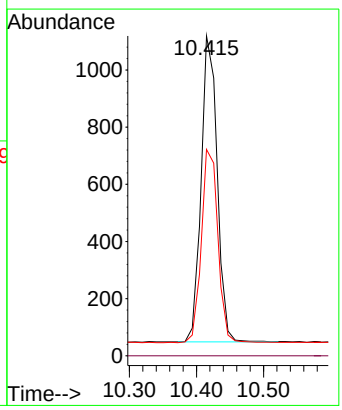
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

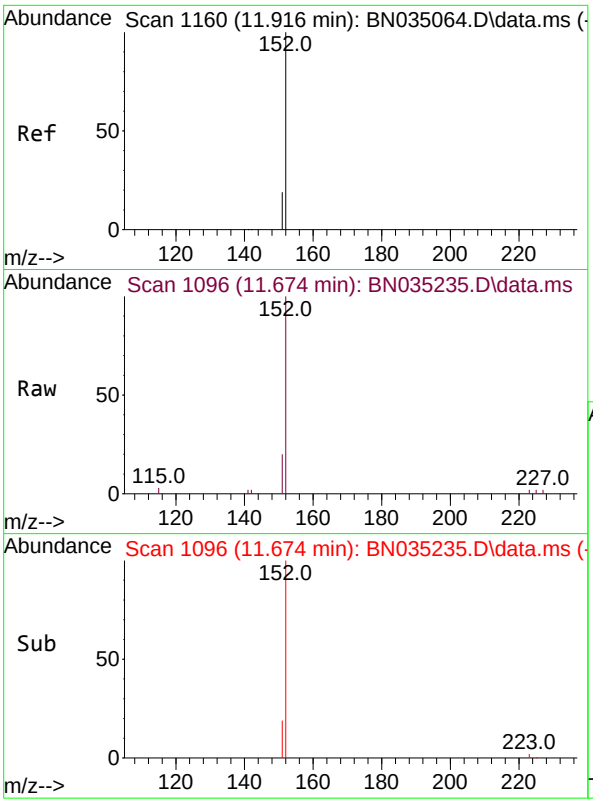


#10
Hexachlorobutadiene
Concen: 0.303 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.011 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:225 Resp: 1778

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.5	51.5	77.3





#11
2-Methylnaphthalene-d10
Concen: 0.326 ng
RT: 11.674 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

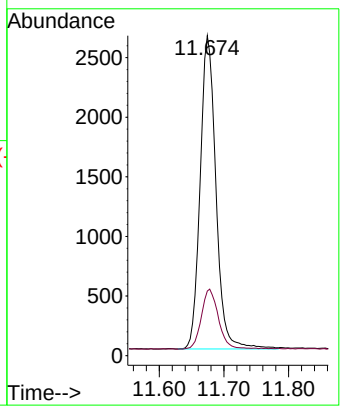
Tgt Ion:152 Resp: 445

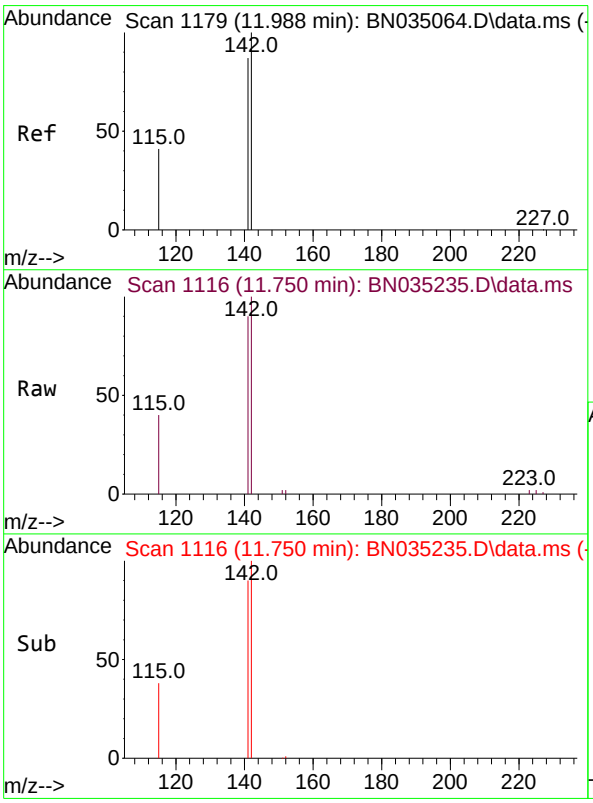
Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.4

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

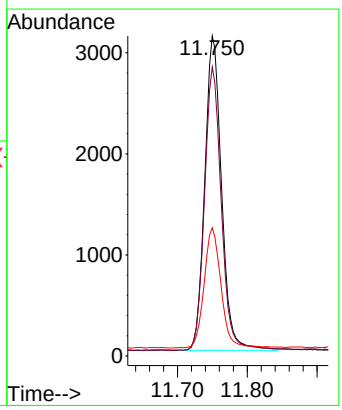


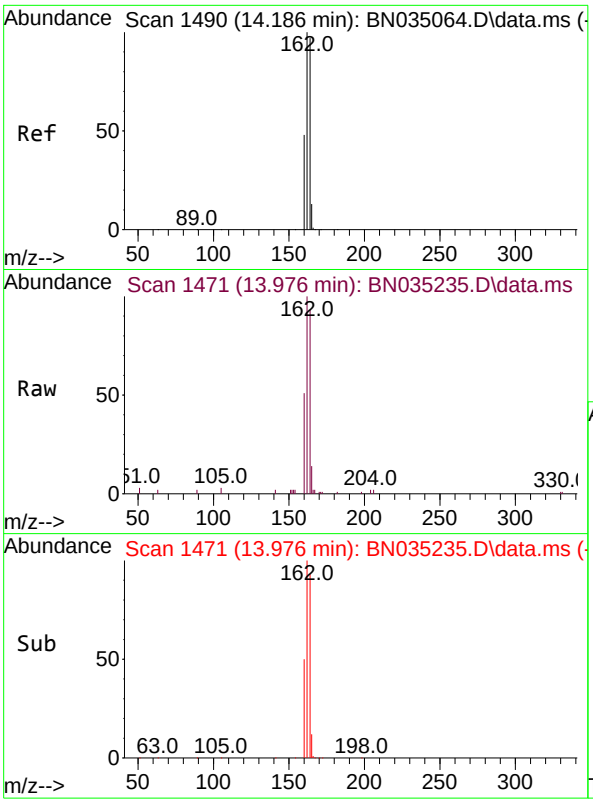


#12
2-Methylnaphthalene
Concen: 0.352 ng
RT: 11.750 min Scan# 1116
Delta R.T. -0.004 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:142 Resp: 5199

Ion	Ratio	Lower	Upper
142	100		
141	90.4	70.1	105.1
115	40.1	34.4	51.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

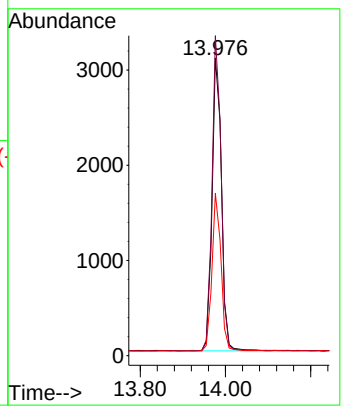
Tgt Ion:164 Resp: 470

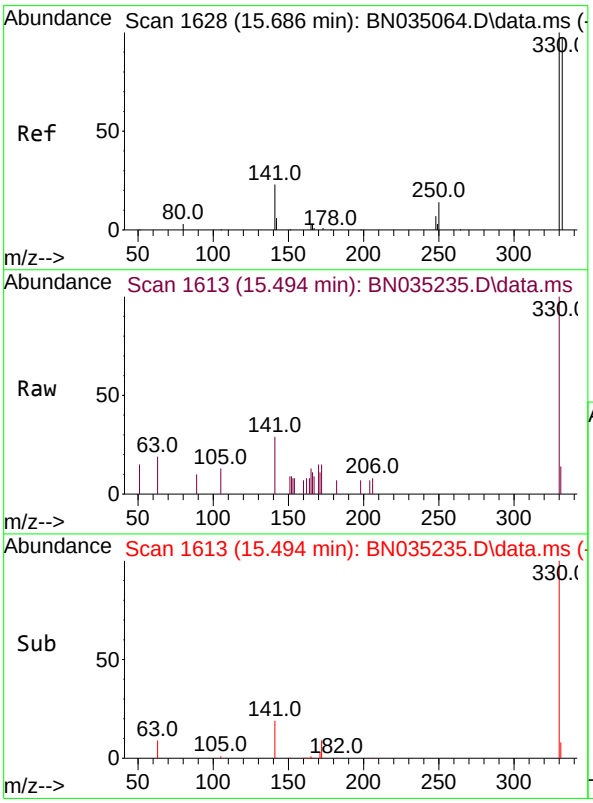
Ion	Ratio	Lower	Upper
164	100		
162	107.5	82.2	123.2
160	54.6	40.2	60.4

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

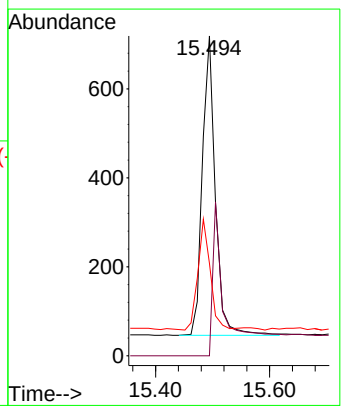


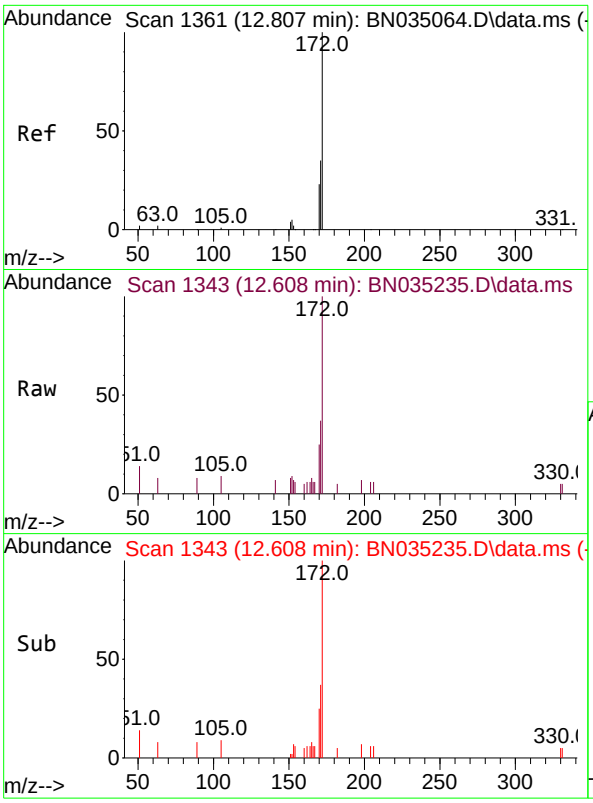


#14
2,4,6-Tribromophenol
Concen: 0.336 ng
RT: 15.494 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:330 Resp: 1140

Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.9	115.3#
141	34.2	29.6	44.4

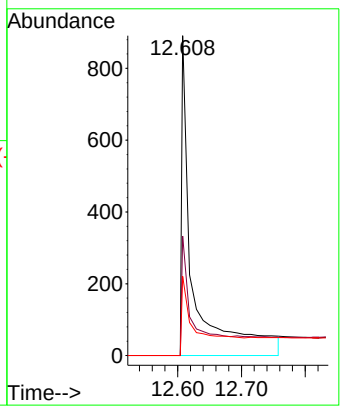




#15
2-Fluorobiphenyl
Concen: 0.063 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:172 Resp: 120

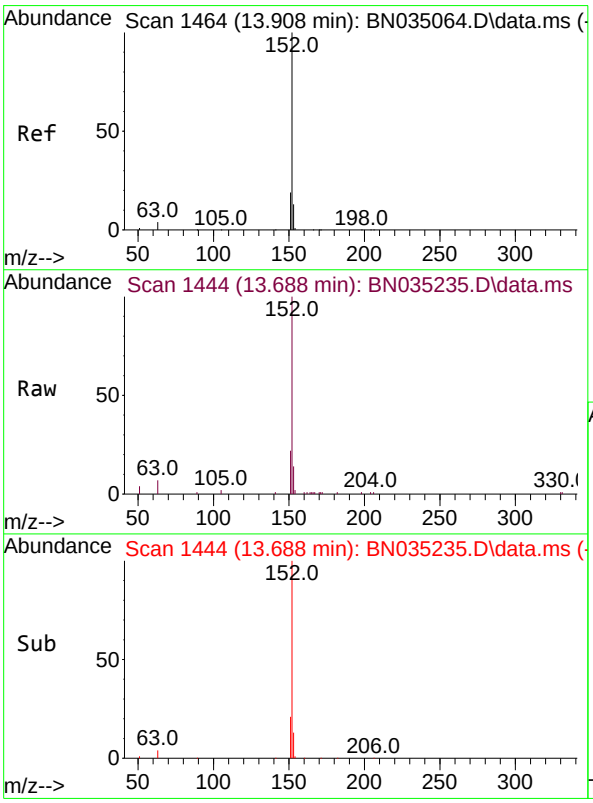
Ion	Ratio	Lower	Upper
172	100		
171	37.4	28.2	42.4
170	24.8	19.0	28.6



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

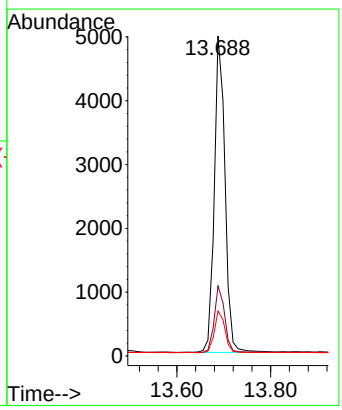
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

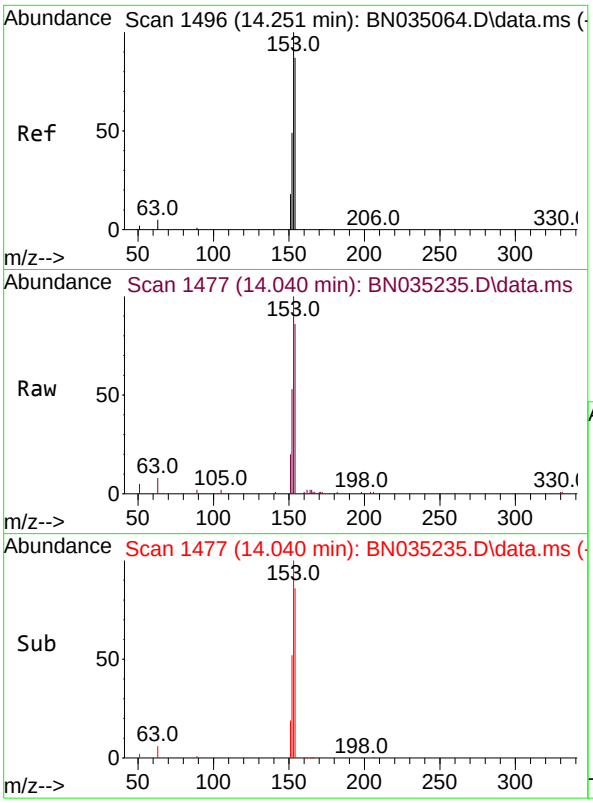


#16
Acenaphthylene
Concen: 0.392 ng
RT: 13.688 min Scan# 1444
Delta R.T. -0.011 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:152 Resp: 7880

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.8
153	13.3	10.2	15.4

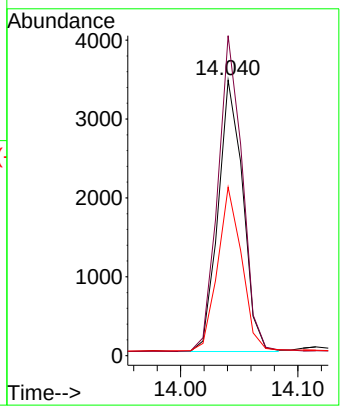




#17
Acenaphthene
Concen: 0.383 ng
RT: 14.040 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:154 Resp: 504

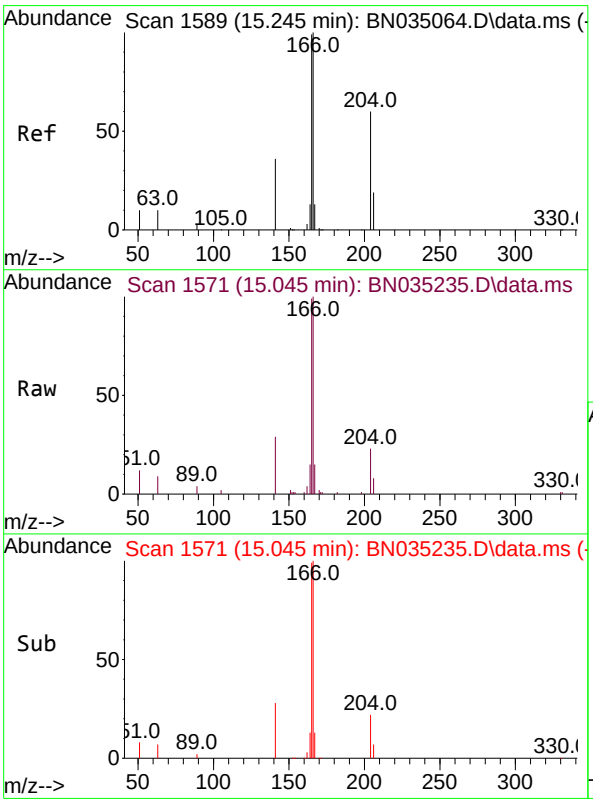
Ion	Ratio	Lower	Upper
154	100		
153	115.6	91.6	137.4
152	59.8	45.8	68.6



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

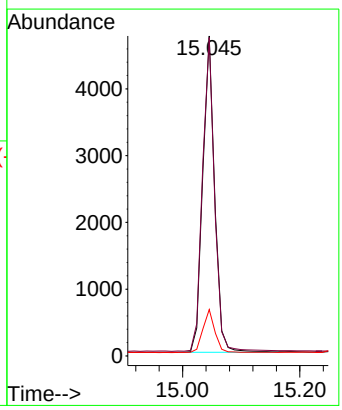
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

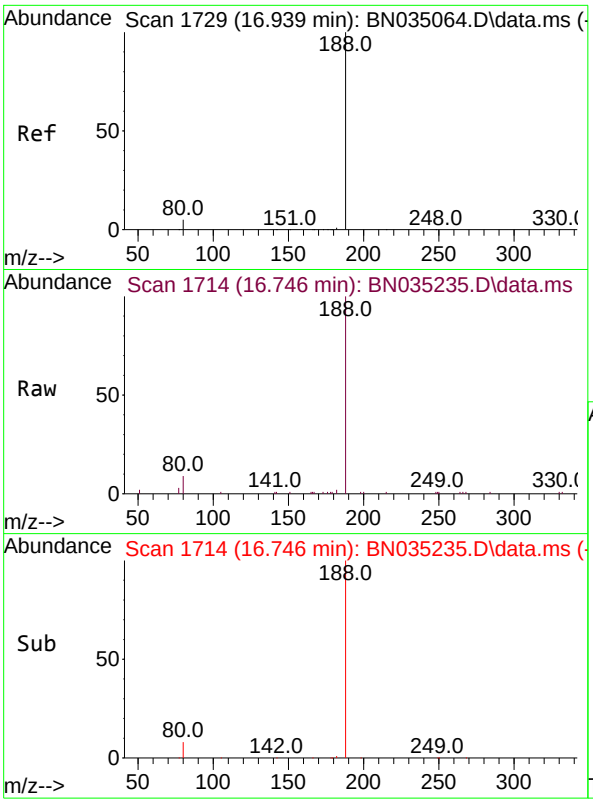


#18
Fluorene
Concen: 0.346 ng
RT: 15.045 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:166 Resp: 6711

Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.1	118.7
167	13.8	10.6	16.0

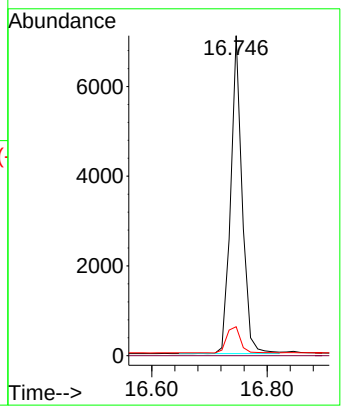




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.746 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:188 Resp: 978

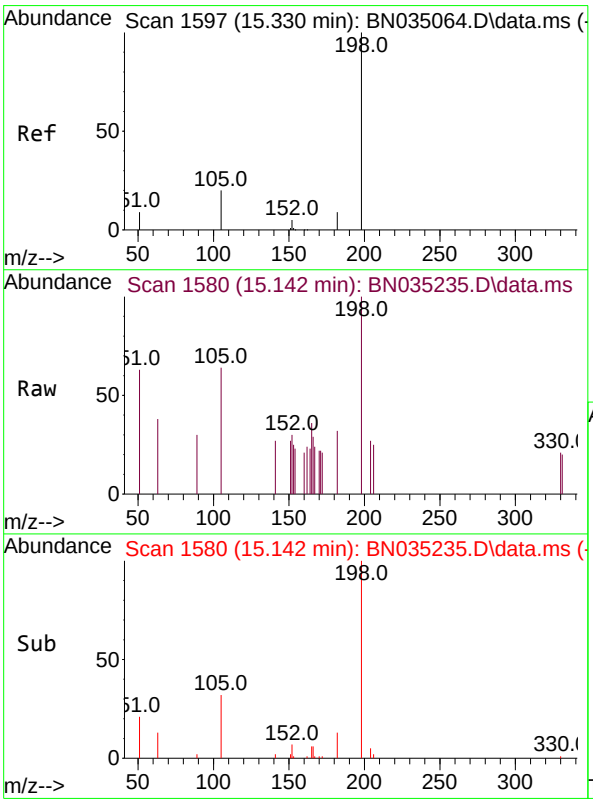
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	4.3	6.5#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

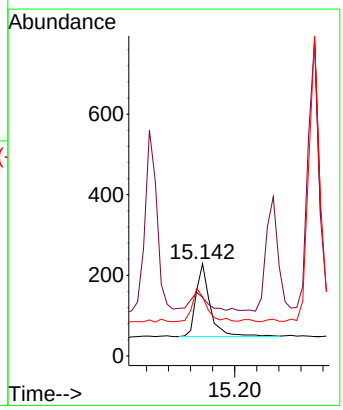
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

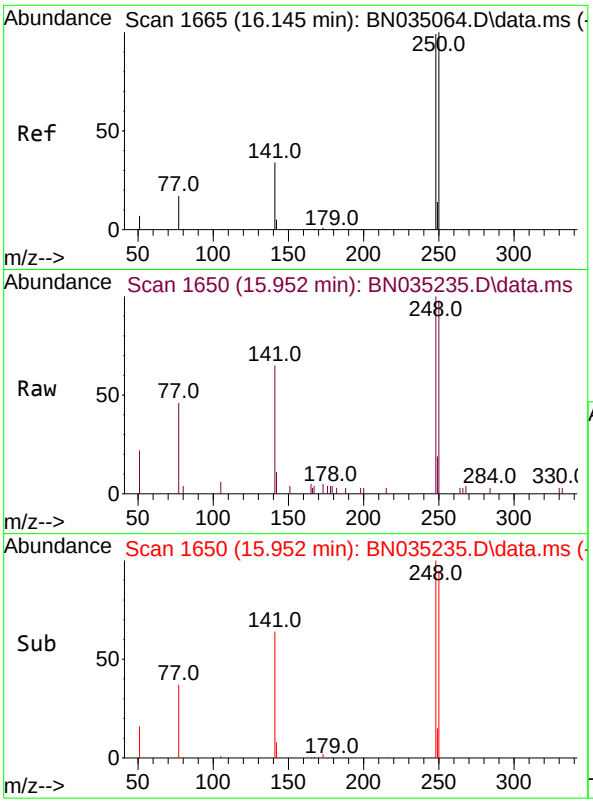


#20
4,6-Dinitro-2-methylphenol
Concen: 0.158 ng
RT: 15.142 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:198 Resp: 322

Ion	Ratio	Lower	Upper
198	100		
51	63.3	29.9	44.9#
105	64.2	23.7	35.5#





#21
4-Bromophenyl-phenylether
Concen: 0.373 ng
RT: 15.952 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

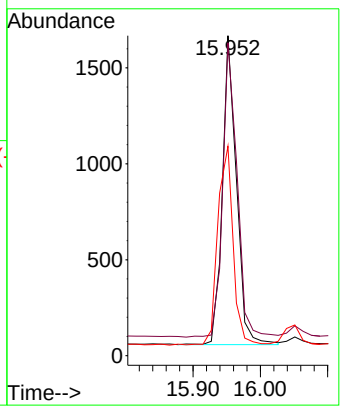
Tgt Ion:248 Resp: 232

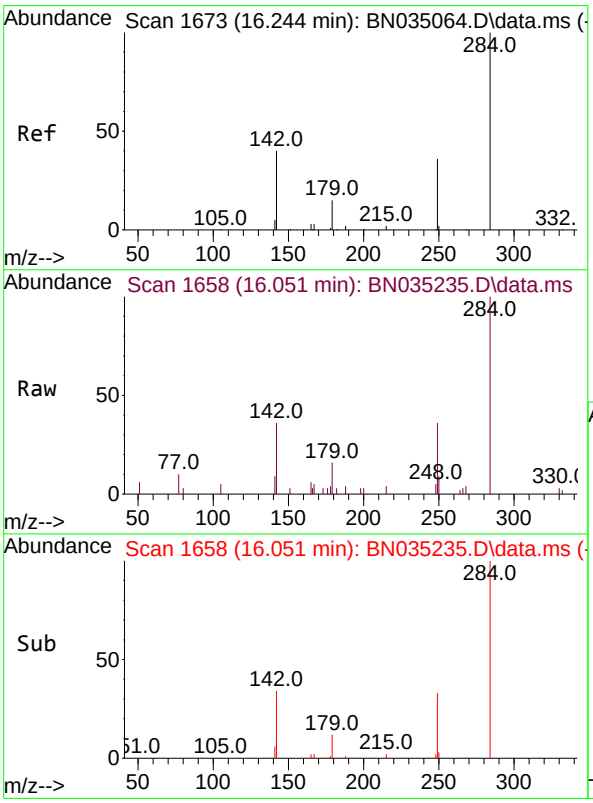
Ion	Ratio	Lower	Upper
248	100		
250	97.8	81.2	121.8
141	65.5	29.1	43.7

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

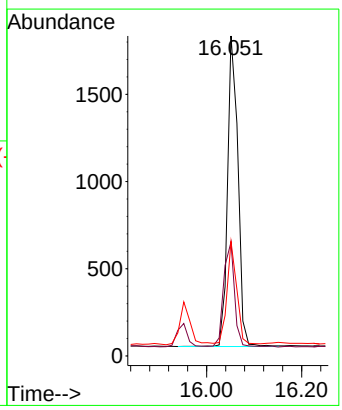


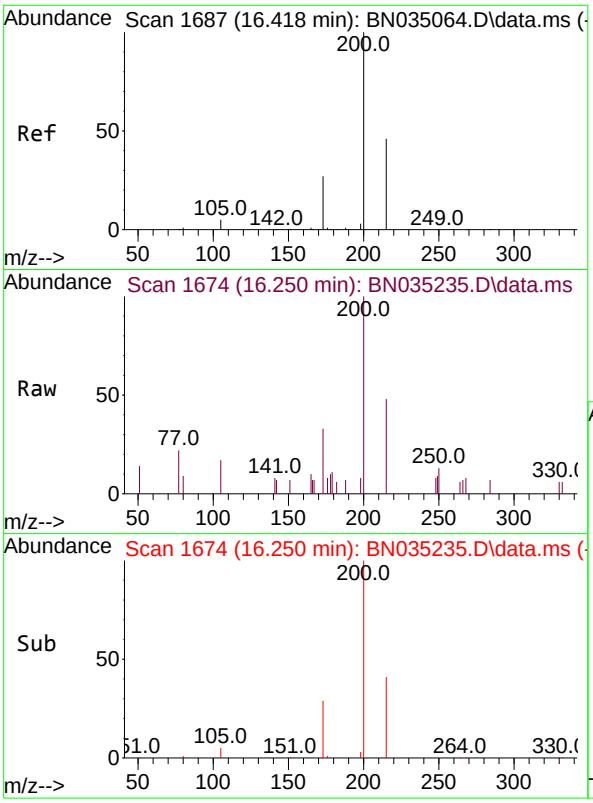


#22
Hexachlorobenzene
Concen: 0.416 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.012 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:284 Resp: 2690

Ion	Ratio	Lower	Upper
284	100		
142	35.7	28.2	42.4
249	30.9	26.2	39.2





#23
Atrazine
Concen: 0.225 ng
RT: 16.250 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

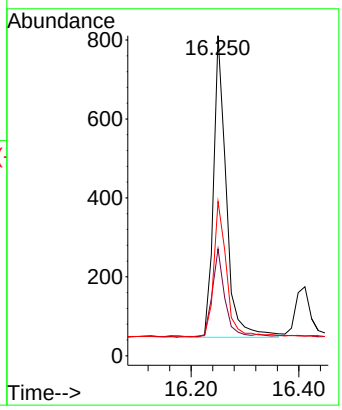
Tgt Ion:200 Resp: 126(

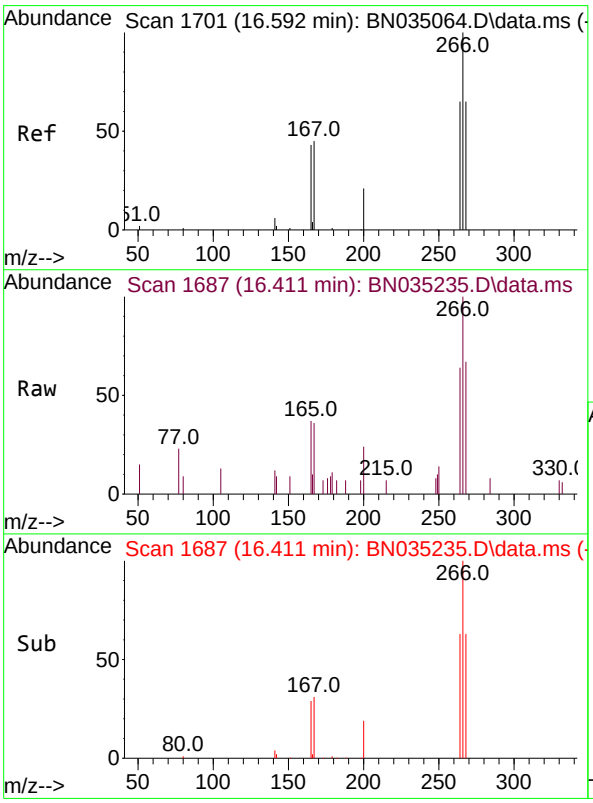
Ion	Ratio	Lower	Upper
200	100		
173	33.4	22.6	33.8
215	48.2	37.8	56.6

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

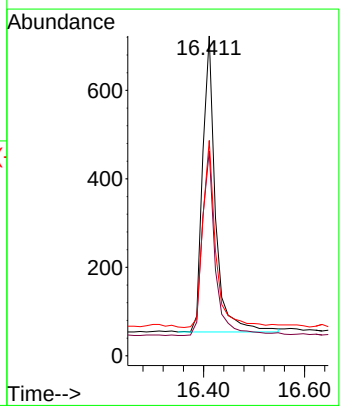


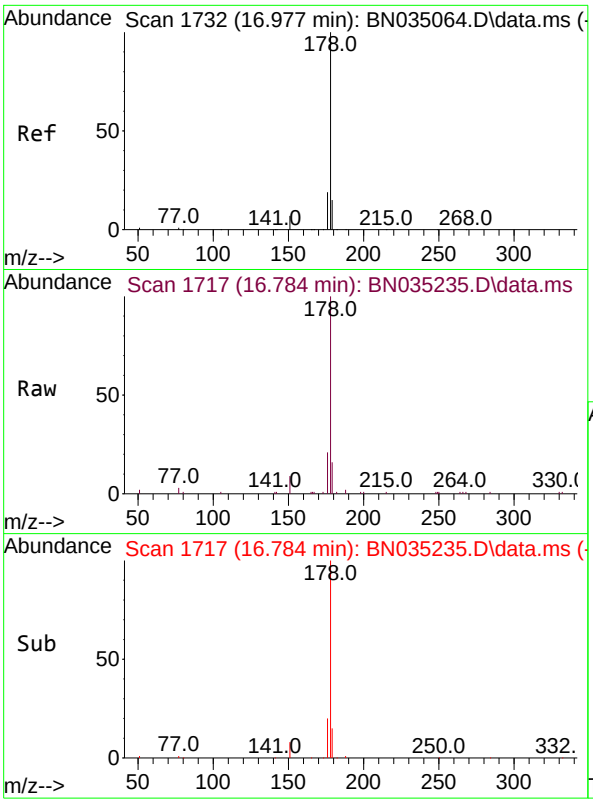


#24
Pentachlorophenol
Concen: 0.393 ng
RT: 16.411 min Scan# 1687
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:266 Resp: 1189

Ion	Ratio	Lower	Upper
266	100		
264	63.5	49.4	74.0
268	63.4	52.6	79.0

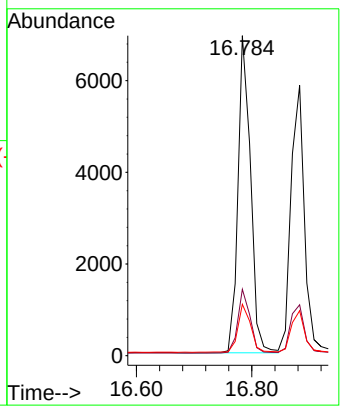




#25
Phenanthrene
Concen: 0.403 ng
RT: 16.784 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:178 Resp: 1039

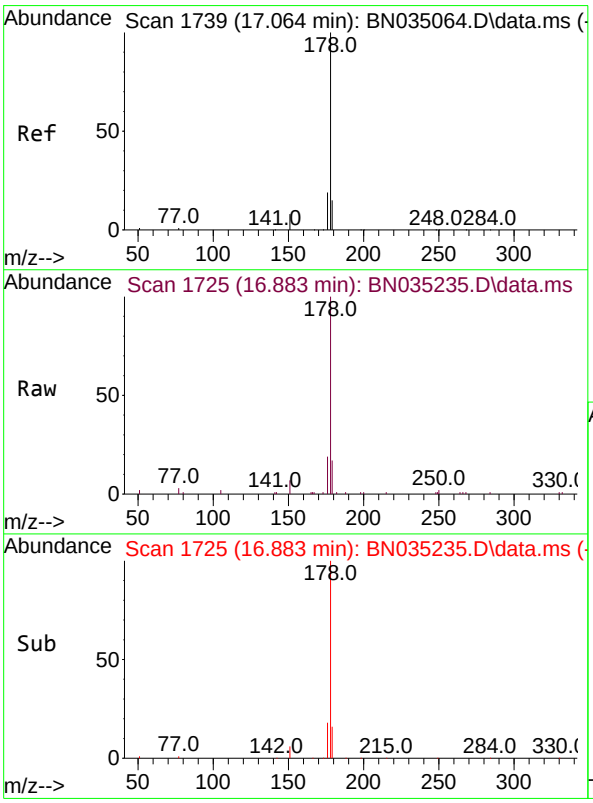
Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.2	22.8
179	15.6	12.6	18.8



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

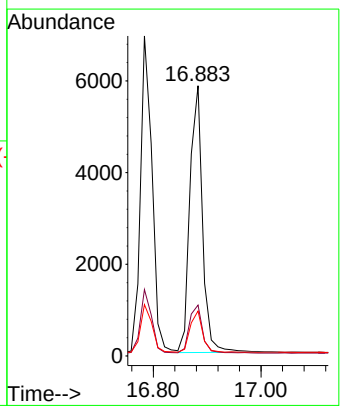
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

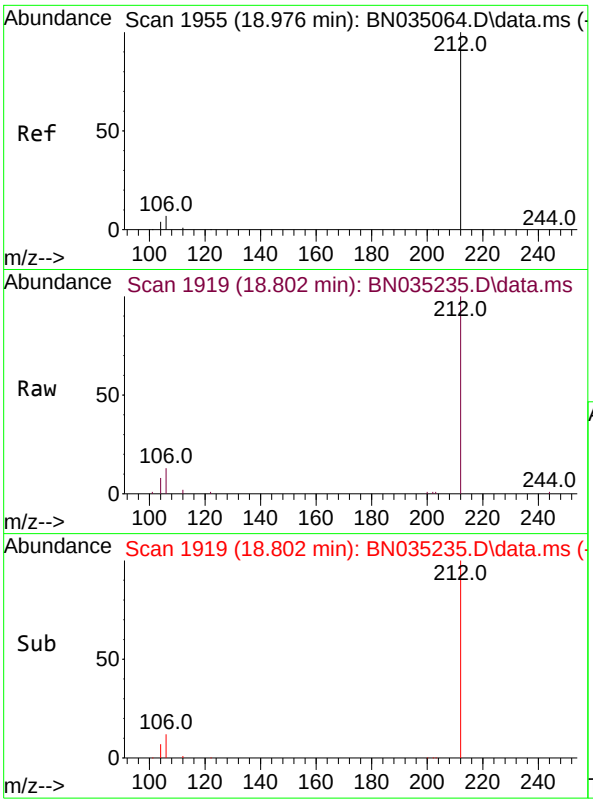


#26
Anthracene
Concen: 0.403 ng
RT: 16.883 min Scan# 1725
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:178 Resp: 9521

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	22.0
179	15.2	12.2	18.2

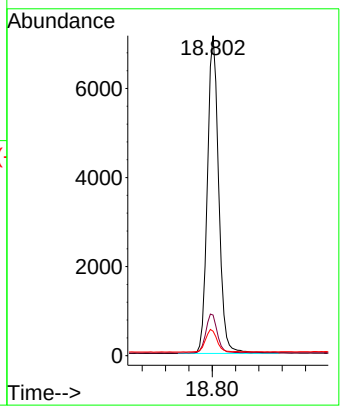




#27
Fluoranthene-d10
Concen: 0.322 ng
RT: 18.802 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:212 Resp: 965

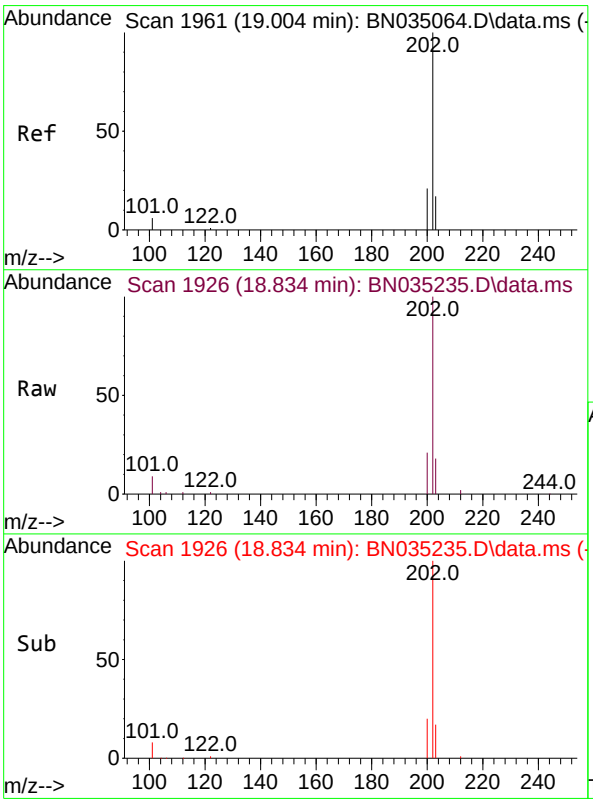
Ion	Ratio	Lower	Upper
212	100		
106	12.4	6.0	9.0#
104	7.3	3.5	5.3#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

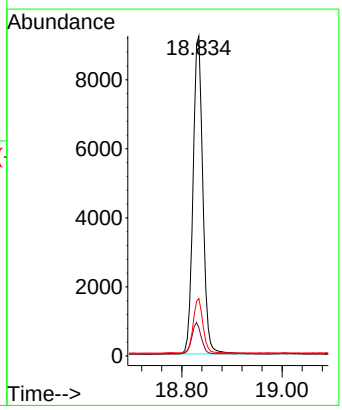
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

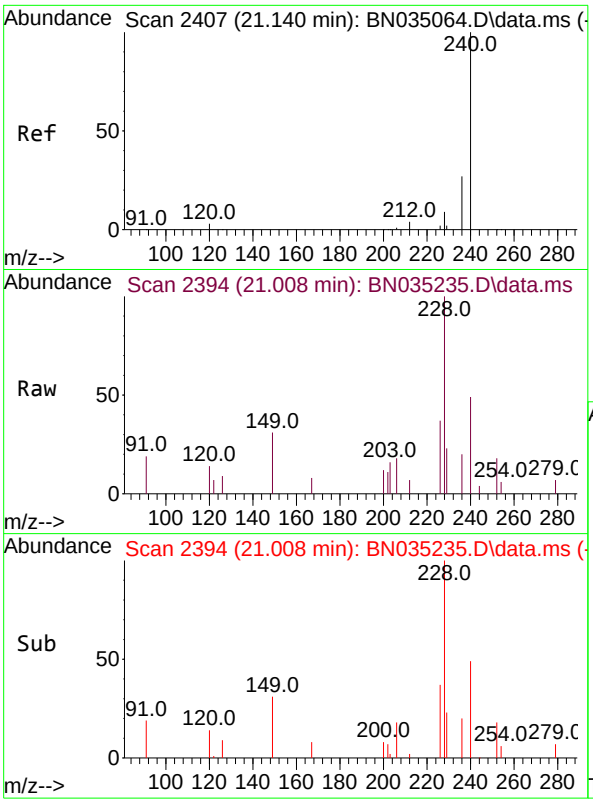


#28
Fluoranthene
Concen: 0.353 ng
RT: 18.834 min Scan# 1926
Delta R.T. -0.005 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:202 Resp: 12485

Ion	Ratio	Lower	Upper
202	100		
101	9.9	5.2	7.8#
203	17.0	13.8	20.8





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

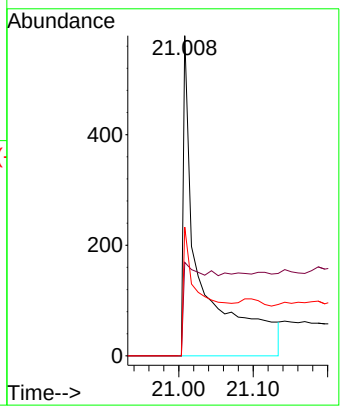
Tgt Ion:240 Resp: 92

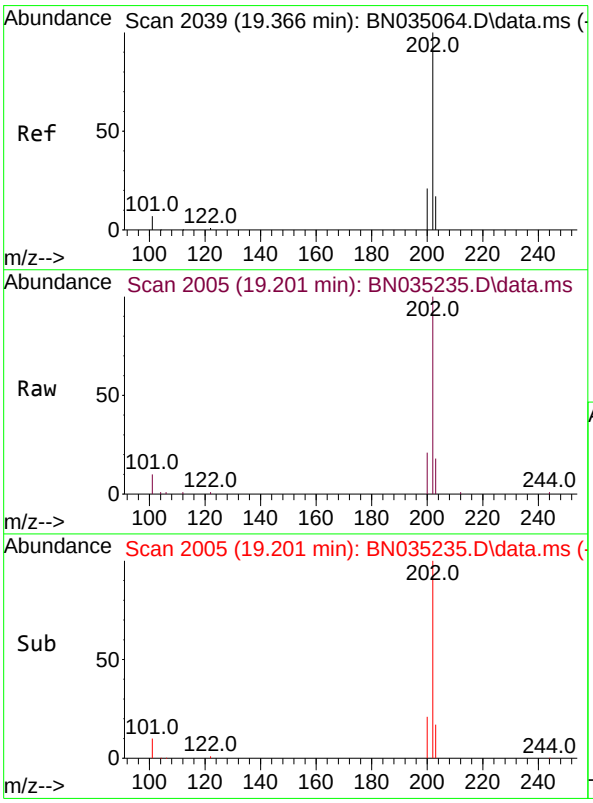
Ion	Ratio	Lower	Upper
240	100		
120	29.2	3.8	5.6#
236	40.2	22.2	33.2#

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

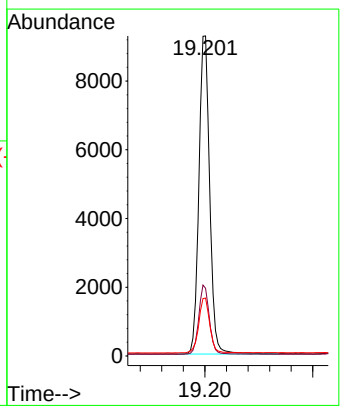


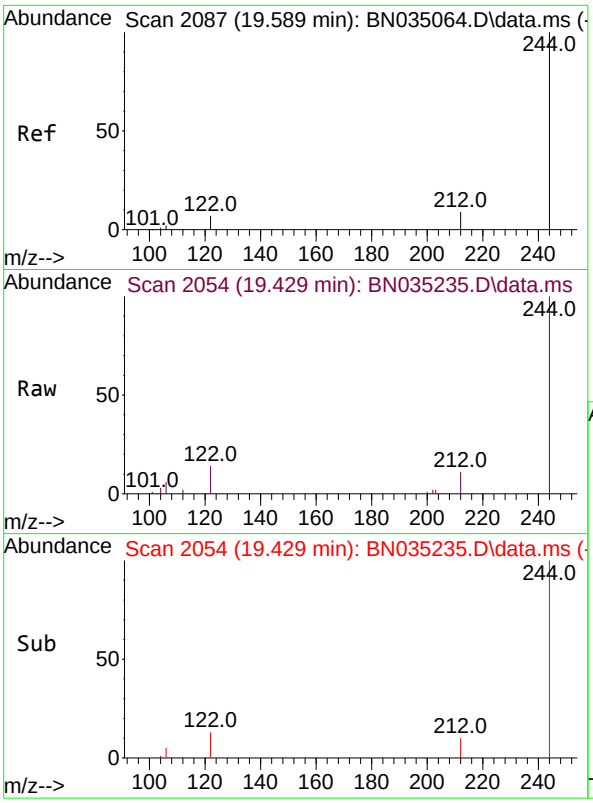


#30
Pyrene
Concen: 4.164 ng
RT: 19.201 min Scan# 2005
Delta R.T. -0.005 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:202 Resp: 12814

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.7	14.2	21.4

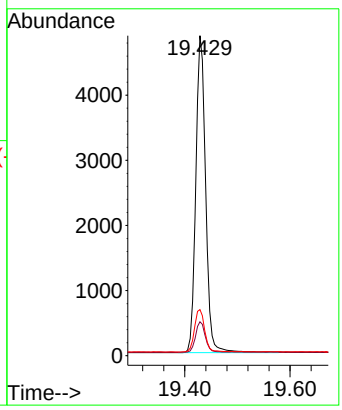




#31
Terphenyl-d14
Concen: 3.268 ng
RT: 19.429 min Scan# 2(
Delta R.T. -0.009 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

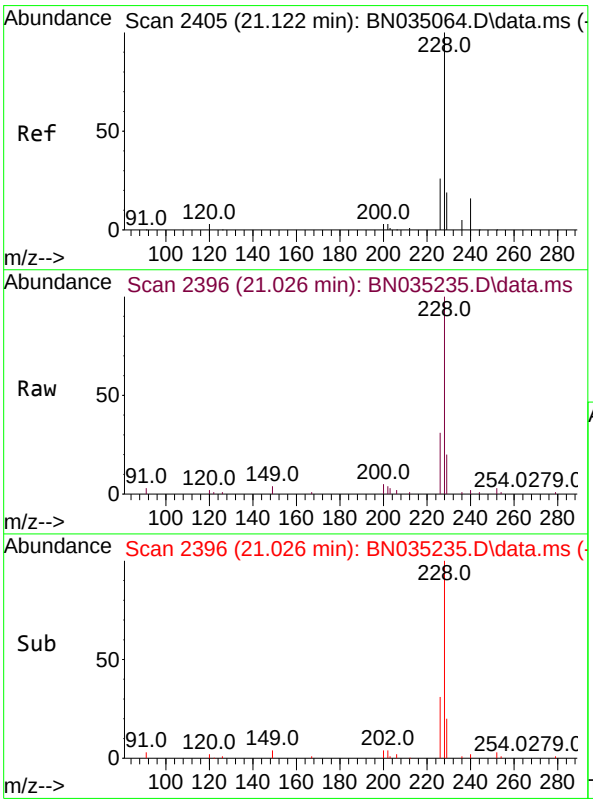
Tgt Ion:244 Resp: 633(

Ion	Ratio	Lower	Upper
244	100		
212	10.6	7.6	11.4
122	14.4	6.1	9.1#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

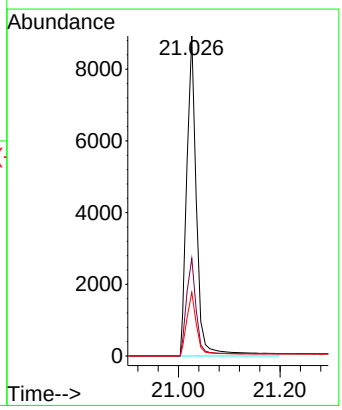
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

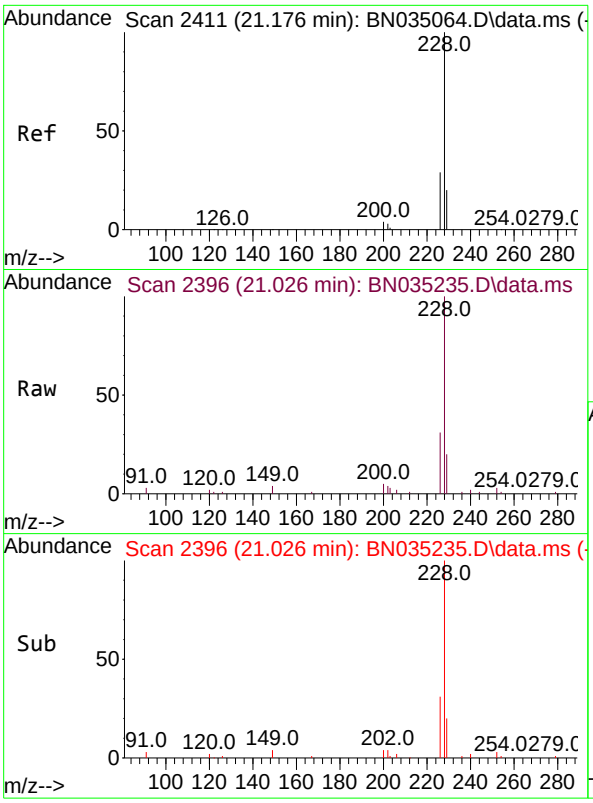


#32
Benzo(a)anthracene
Concen: 3.650 ng
RT: 21.026 min Scan# 2396
Delta R.T. -0.009 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:228 Resp: 11745

Ion	Ratio	Lower	Upper
228	100		
226	30.5	21.4	32.0
229	19.8	15.7	23.5

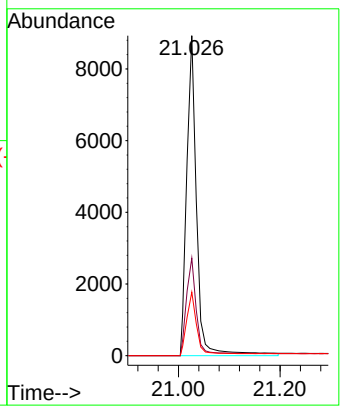




#33
Chrysene
Concen: 3.685 ng
RT: 21.026 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:228 Resp: 1174

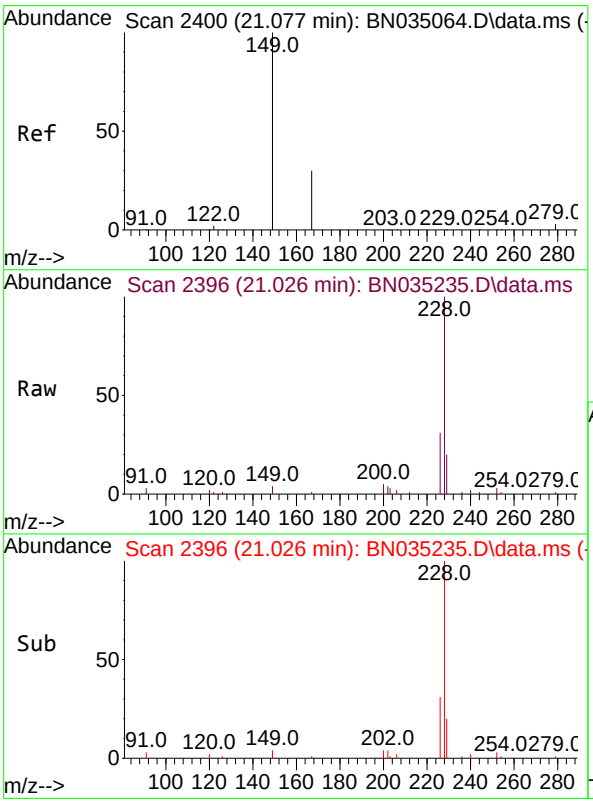
Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.7	35.5
229	19.8	16.2	24.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

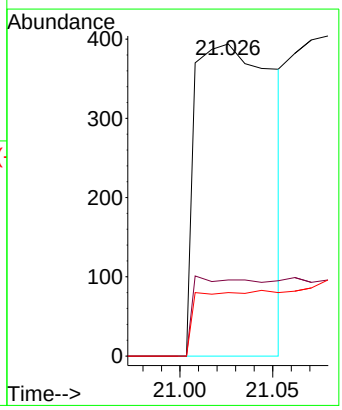
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

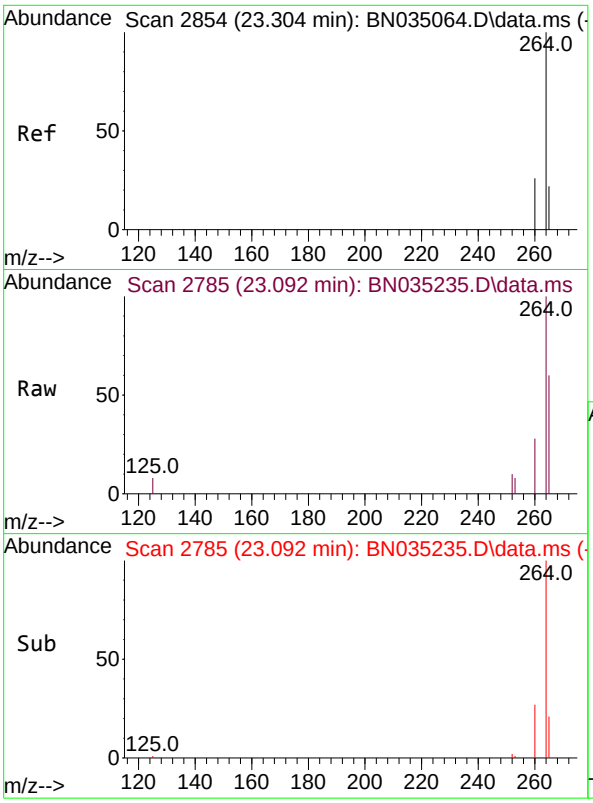


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.616 ng
RT: 21.026 min Scan# 2396
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:149 Resp: 1040

Ion	Ratio	Lower	Upper
149	100		
167	20.9	23.2	34.8#
279	0.0	3.2	4.8#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.092 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

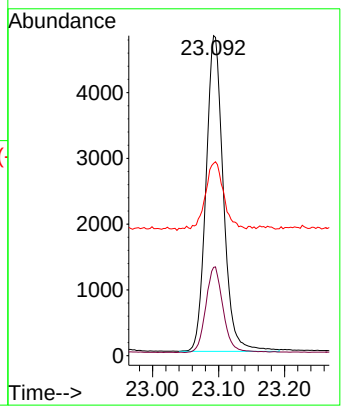
Tgt Ion:264 Resp: 878

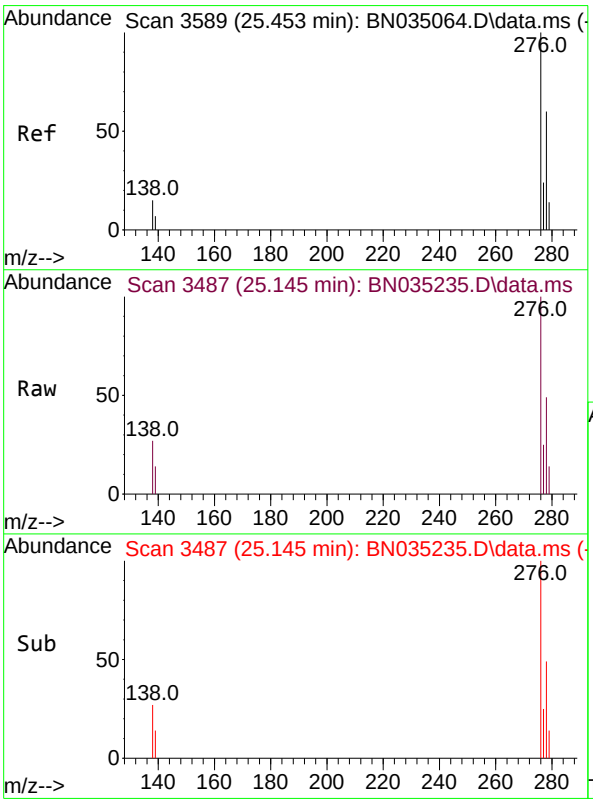
Ion	Ratio	Lower	Upper
264	100		
260	27.6	20.9	31.3
265	60.1	35.4	53.2#

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

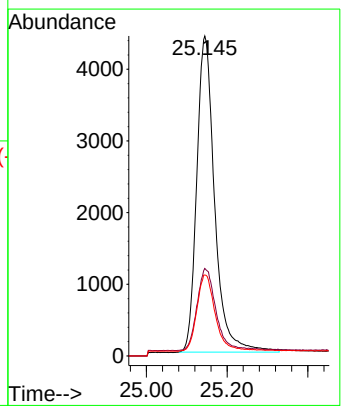


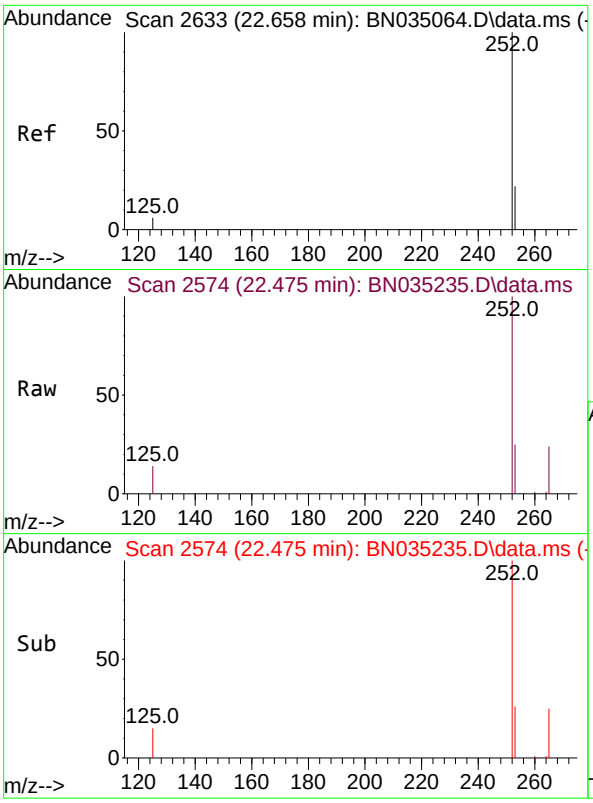


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.389 ng
RT: 25.145 min Scan# 3487
Delta R.T. -0.012 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:276 Resp: 13630

Ion	Ratio	Lower	Upper
276	100		
138	26.1	13.0	19.4#
277	23.9	19.8	29.6

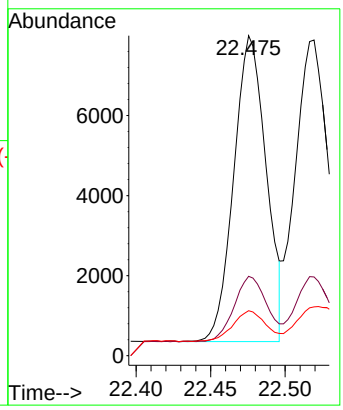




#37
Benzo(b)fluoranthene
Concen: 0.391 ng
RT: 22.475 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

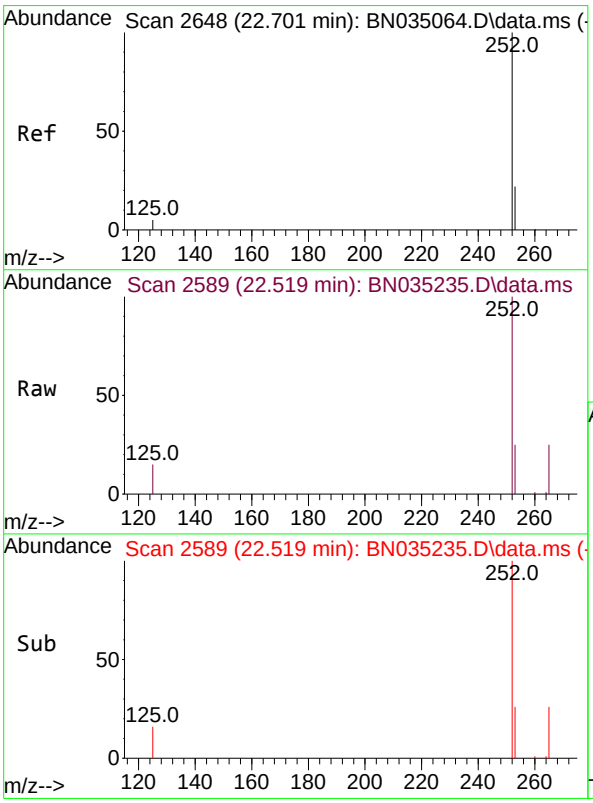
Tgt Ion:252 Resp: 1155

Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.3	28.9
125	14.0	6.2	9.2#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

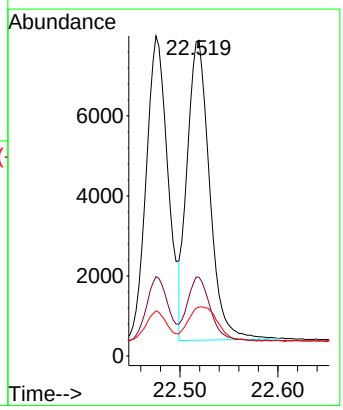
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

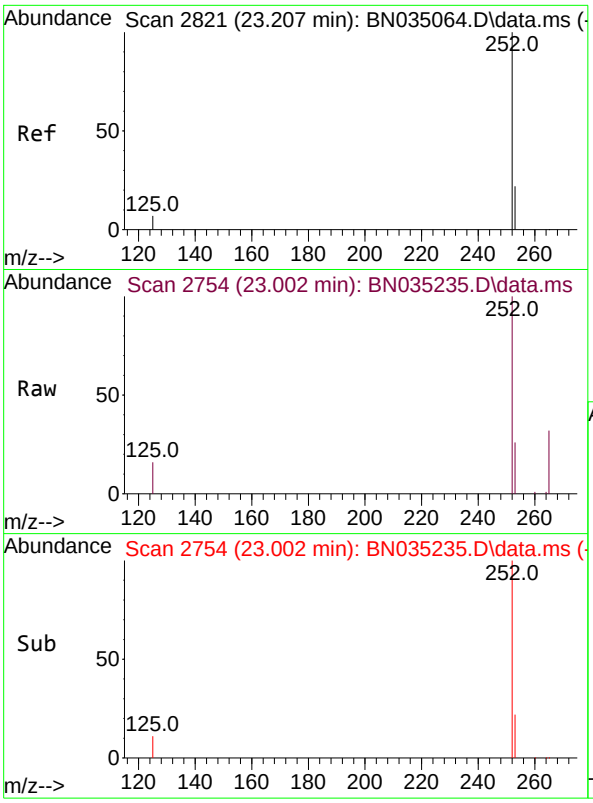


#38
Benzo(k)fluoranthene
Concen: 0.403 ng
RT: 22.519 min Scan# 2589
Delta R.T. -0.009 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:252 Resp: 11920

Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.5	29.3
125	15.4	6.5	9.7#

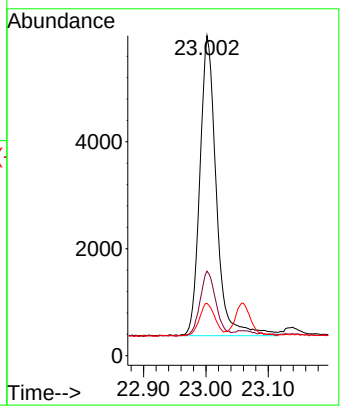




#39
Benzo(a)pyrene
Concen: 0.396 ng
RT: 23.002 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:252 Resp: 1029

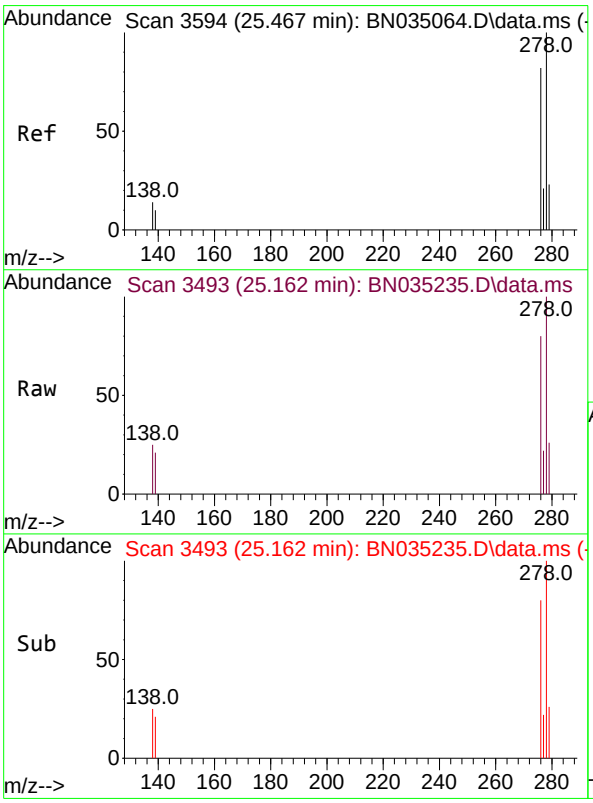
Ion	Ratio	Lower	Upper
252	100		
253	26.4	20.1	30.1
125	16.3	7.5	11.3#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

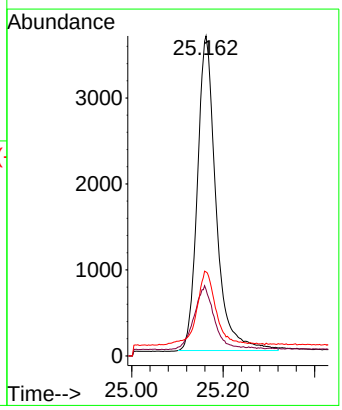
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

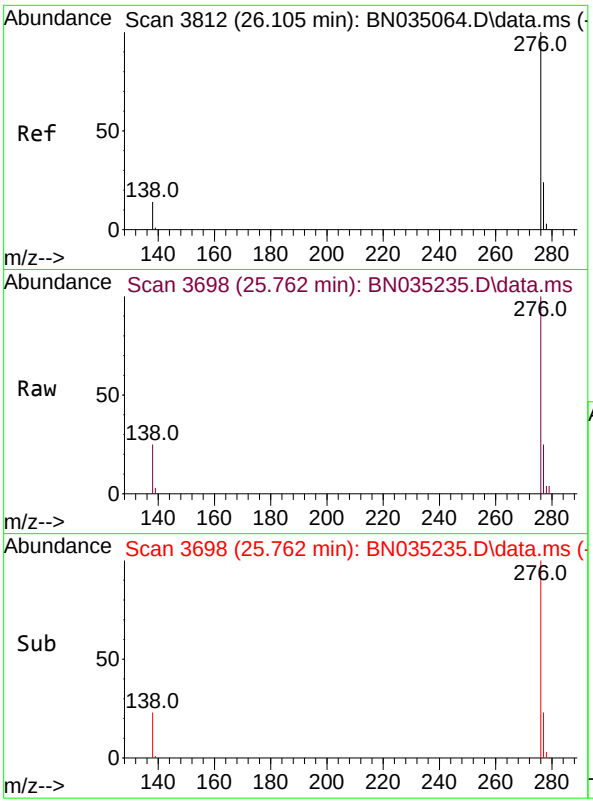


#40
Dibenzo(a,h)anthracene
Concen: 0.373 ng
RT: 25.162 min Scan# 3493
Delta R.T. -0.015 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:278 Resp: 10355

Ion	Ratio	Lower	Upper
278	100		
139	20.7	9.3	13.9#
279	26.2	19.7	29.5

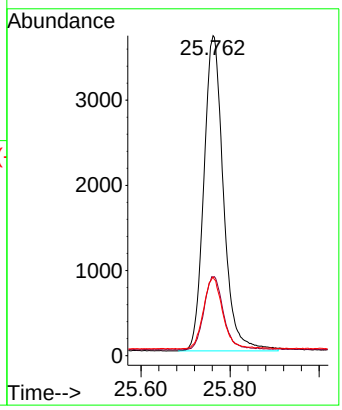




#41
Benzo(g,h,i)perylene
Concen: 0.382 ng
RT: 25.762 min Scan# 3
Delta R.T. -0.015 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:276 Resp: 1129

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.9	29.9
138	24.5	11.6	17.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035235.D
Acq On : 21 Nov 2024 23:01
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Nov 21 23:33:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
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	119	0.00
2		1,4-Dioxane	0.363	0.381	-5.0	136	0.00
3		n-Nitrosodimethylamine	0.339	0.297	12.4	109	0.00
4	S	2-Fluorophenol	1.015	1.087	-7.1	137	0.00
5	S	Phenol-d6	1.273	1.273	0.0	131	0.00
6		bis(2-Chloroethyl)ether	0.956	0.962	-0.6	129	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	112	0.00
8	S	Nitrobenzene-d5	0.348	0.189	45.7#	66	0.00
9		Naphthalene	1.044	1.023	2.0	117	-0.01
10		Hexachlorobutadiene	0.306	0.232	24.2	88	-0.01
11	SURR	2-Methylnaphthalene-d10	0.713	0.581	18.5	98	0.00
12		2-Methylnaphthalene	0.770	0.677	12.1	106	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	87	-0.01
14	S	2,4,6-Tribromophenol	0.289	0.242	16.3	88	0.00
15	S	2-Fluorobiphenyl	1.624	0.255	84.3#	15#	0.00
16		Acenaphthylene	1.709	1.674	2.0	98	-0.01
17		Acenaphthene	1.120	1.072	4.3	93	-0.01
18		Fluorene	1.648	1.426	13.5	85	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	72	0.00
20		4,6-Dinitro-2-methylphenol	0.083	0.033	60.2#	33#	0.00
21		4-Bromophenyl-phenylether	0.255	0.238	6.7	70	0.00
22		Hexachlorobenzene	0.264	0.275	-4.2	79	-0.01
23		Atrazine	0.229	0.129	43.7#	43#	0.00
24		Pentachlorophenol	0.124	0.122	1.6	85	0.00
25		Phenanthrene	1.053	1.062	-0.9	77	-0.01
26		Anthracene	0.967	0.973	-0.6	77	0.00
27	SURR	Fluoranthene-d10	1.225	0.987	19.4	61	0.00
28		Fluoranthene	1.448	1.276	11.9	67	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	6#	0.00
30		Pyrene	1.332	13.868	-941.1#	67	0.00
31	S	Terphenyl-d14	0.839	6.857	-717.3#	52	0.00
32		Benzo(a)anthracene	1.393	12.711	-812.5#	59	0.00
33		Chrysene	1.380	12.711	-821.1#	59	0.00
34		Bis(2-ethylhexyl)phthalate	0.731	1.126	-54.0#	11#	0.00
35	I	Perylene-d12	1.000	1.000	0.0	51	-0.01
36		Indeno(1,2,3-cd)pyrene	1.596	1.552	2.8	52	-0.01
37		Benzo(b)fluoranthene	1.346	1.315	2.3	53	-0.01
38		Benzo(k)fluoranthene	1.347	1.357	-0.7	54	0.00
39	C	Benzo(a)pyrene	1.184	1.172	1.0	54	-0.01
40		Dibenzo(a,h)anthracene	1.264	1.179	6.7	50	-0.01
41		Benzo(g,h,i)perylene	1.345	1.286	4.4	51	-0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035235.D
Acq On : 21 Nov 2024 23:01
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Nov 21 23:33:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
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	119	0.00
2		1,4-Dioxane	0.400	0.419	-4.7	136	0.00
3		n-Nitrosodimethylamine	0.400	0.351	12.3	109	0.00
4	S	2-Fluorophenol	0.400	0.428	-7.0	137	0.00
5	S	Phenol-d6	0.400	0.400	0.0	131	0.00
6		bis(2-Chloroethyl)ether	0.400	0.403	-0.8	129	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	112	0.00
8	S	Nitrobenzene-d5	0.400	0.217	45.8#	66	0.00
9		Naphthalene	0.400	0.392	2.0	117	-0.01
10		Hexachlorobutadiene	0.400	0.303	24.3	88	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.326	18.5	98	0.00
12		2-Methylnaphthalene	0.400	0.352	12.0	106	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	87	-0.01
14	S	2,4,6-Tribromophenol	0.400	0.336	16.0	88	0.00
15	S	2-Fluorobiphenyl	0.400	0.063	84.3#	15	0.00
16		Acenaphthylene	0.400	0.392	2.0	98	-0.01
17		Acenaphthene	0.400	0.383	4.3	93	-0.01
18		Fluorene	0.400	0.346	13.5	85	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	72	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.158	60.5#	33	0.00
21		4-Bromophenyl-phenylether	0.400	0.373	6.8	70	0.00
22		Hexachlorobenzene	0.400	0.416	-4.0	79	-0.01
23		Atrazine	0.400	0.225	43.8#	43	0.00
24		Pentachlorophenol	0.400	0.393	1.8	85	0.00
25		Phenanthrene	0.400	0.403	-0.8	77	-0.01
26		Anthracene	0.400	0.403	-0.8	77	0.00
27	SURR	Fluoranthene-d10	0.400	0.322	19.5	61	0.00
28		Fluoranthene	0.400	0.353	11.8	67	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	6	0.00
30		Pyrene	0.400	4.164	-941.0#	67	0.00
31	S	Terphenyl-d14	0.400	3.268	-717.0#	52	0.00
32		Benzo(a)anthracene	0.400	3.650	-812.5#	59	0.00
33		Chrysene	0.400	3.685	-821.3#	59	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.616	-54.0#	11	0.00
35	I	Perylene-d12	0.400	0.400	0.0	51	-0.01
36		Indeno(1,2,3-cd)pyrene	0.400	0.389	2.8	52	-0.01
37		Benzo(b)fluoranthene	0.400	0.391	2.3	53	-0.01
38		Benzo(k)fluoranthene	0.400	0.403	-0.8	54	0.00
39	C	Benzo(a)pyrene	0.400	0.396	1.0	54	-0.01
40		Dibenzo(a,h)anthracene	0.400	0.373	6.8	50	-0.01
41		Benzo(g,h,i)perylene	0.400	0.382	4.5	51	-0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG No.: P4934

Instrument ID: BNA_N Calibration Date/Time: 11/25/2024 19:20

Lab File ID: BN035291.D Init. Calib. Date(s): 11/25/2024 11/25/2024

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 10:16 13:52

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.560	0.573		2.3	50.0
Fluoranthene-d10	1.070	0.869		-18.8	50.0
2-Fluorophenol	0.756	0.966		27.8	50.0
Phenol-d6	1.056	1.244		17.8	50.0
Nitrobenzene-d5	0.324	0.194		-40.1	50.0
2-Fluorobiphenyl	0.221	0.144		-34.8	50.0
2,4,6-Tribromophenol	0.204	0.172		-15.7	50.0
Terphenyl-d14	7.392	8.425		14.0	50.0
1,4-Dioxane	0.288	0.380		31.9	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035291.D
Acq On : 25 Nov 2024 19:20
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 67 Sample Multiplier: 1

Quant Time: Nov 26 03:32:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	3803	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	9055	0.400	ng	# 0.00
13) Acenaphthene-d10	13.965	164	5224	0.400	ng	#-0.01
19) Phenanthrene-d10	16.734	188	9941	0.400	ng	0.00
29) Chrysene-d12	21.008	240	677	0.400	ng	# 0.00
35) Perylene-d12	23.081	264	7069	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	3673	0.511	ng	0.00
5) Phenol-d6	6.513	99	4730	0.471	ng	0.00
8) Nitrobenzene-d5	8.450	82	1755m	0.239	ng	0.00
11) 2-Methylnaphthalene-d10	11.663	152	5192	0.410	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	900	0.338	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	751	0.260	ng	0.00
27) Fluoranthene-d10	18.792	212	8641	0.325	ng	0.00
31) Terphenyl-d14	19.419	244	5704	0.456	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.010	88	1445	0.529	ng	# 70
3) n-Nitrosodimethylamine	3.299	42	1020	0.360	ng	# 66
6) bis(2-Chloroethyl)ether	6.766	93	3708	0.439	ng	98
9) Naphthalene	10.105	128	9734	0.387	ng	99
10) Hexachlorobutadiene	10.404	225	2352	0.333	ng	# 100
12) 2-Methylnaphthalene	11.742	142	6373	0.388	ng	99
16) Acenaphthylene	13.677	152	8730	0.332	ng	100
17) Acenaphthene	14.030	154	5862	0.354	ng	# 87
18) Fluorene	15.035	166	7622	0.328	ng	98
20) 4,6-Dinitro-2-methylph...	15.131	198	296	0.395	ng	93
21) 4-Bromophenyl-phenylether	15.939	248	2578	0.409	ng	97
22) Hexachlorobenzene	16.051	284	3153	0.349	ng	98
23) Atrazine	16.237	200	1035	0.390	ng	97
24) Pentachlorophenol	16.399	266	792	0.366	ng	96
25) Phenanthrene	16.771	178	10947	0.358	ng	100
26) Anthracene	16.870	178	9149	0.349	ng	100
28) Fluoranthene	18.820	202	11418	0.296	ng	99
30) Pyrene	19.187	202	11057	0.449	ng	100
32) Benzo(a)anthracene	21.017	228	9935	0.422	ng	100
33) Chrysene	21.017	228	9935	0.422	ng	100
34) Bis(2-ethylhexyl)phtha...	21.017	149	560	0.432	ng	# 100
36) Indeno(1,2,3-cd)pyrene	25.121	276	11395	0.394	ng	98
37) Benzo(b)fluoranthene	22.464	252	9613	0.313	ng	98
38) Benzo(k)fluoranthene	22.505	252	10650	0.328	ng	98
39) Benzo(a)pyrene	22.987	252	8220	0.350	ng	97
40) Dibenzo(a,h)anthracene	25.139	278	8732	0.399	ng	95
41) Benzo(g,h,i)perylene	25.741	276	9930	0.392	ng	97

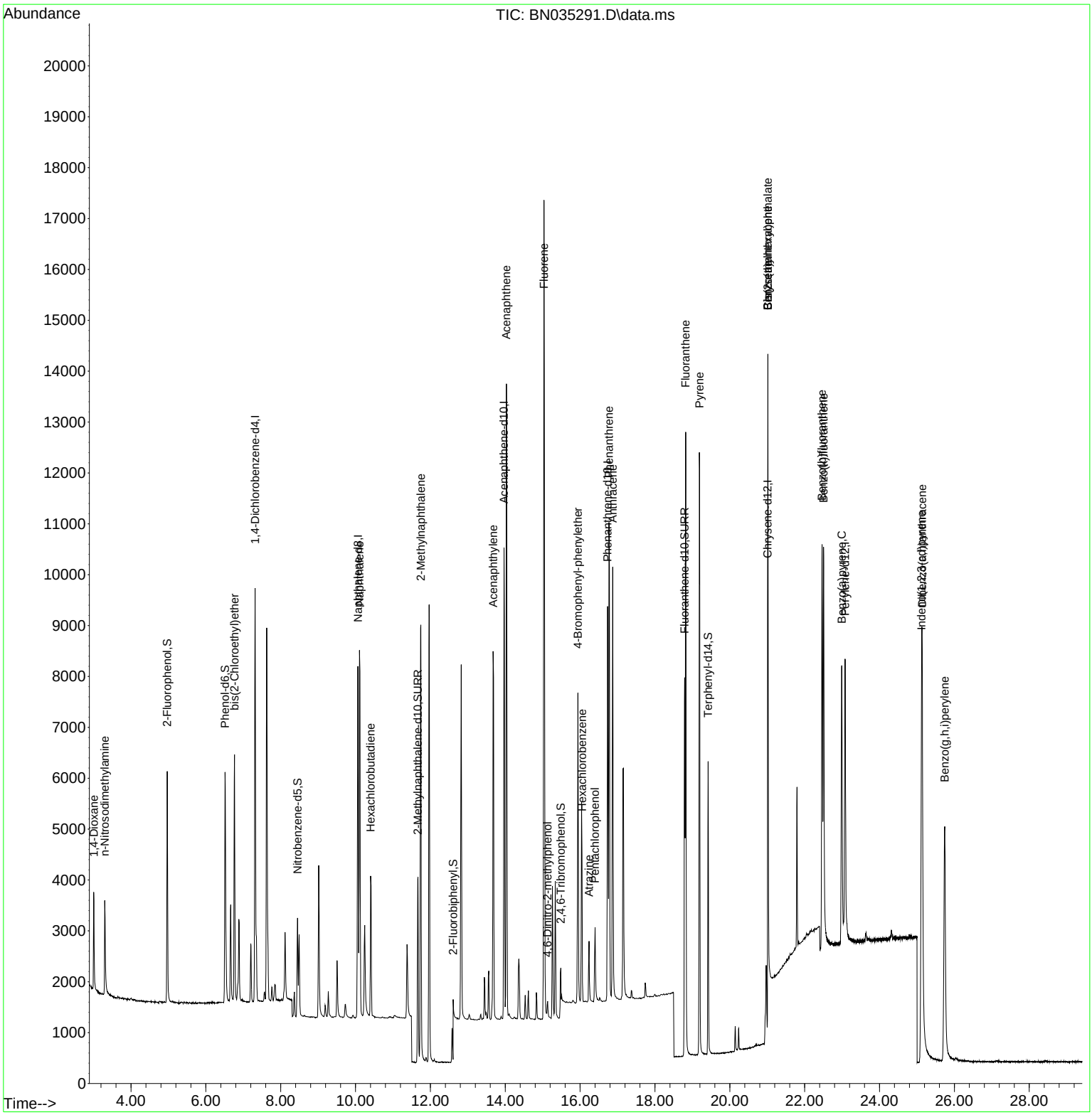
(#) = qualifier out of range (m) = manual integration (+) = signals summed

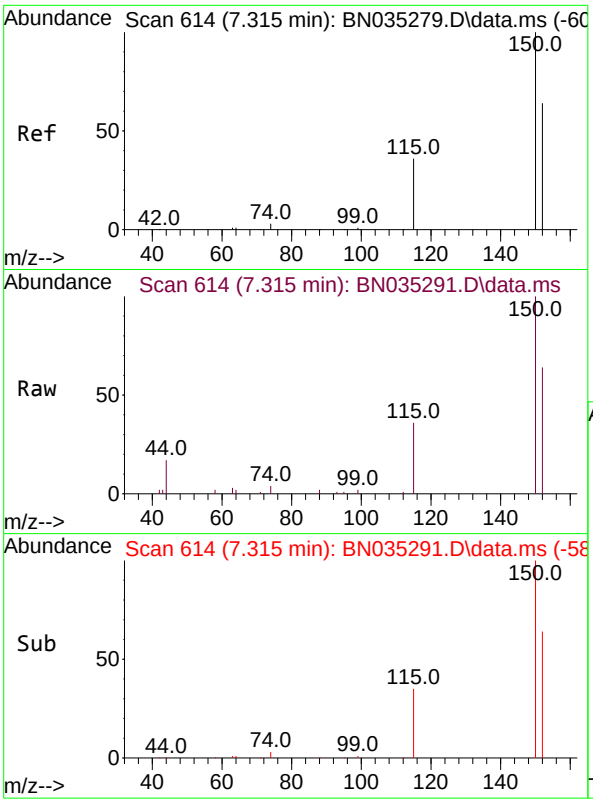
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035291.D
Acq On : 25 Nov 2024 19:20
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 67 Sample Multiplier: 1

Quant Time: Nov 26 03:32:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

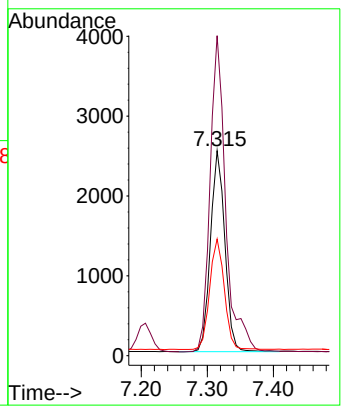




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:152 Resp: 380

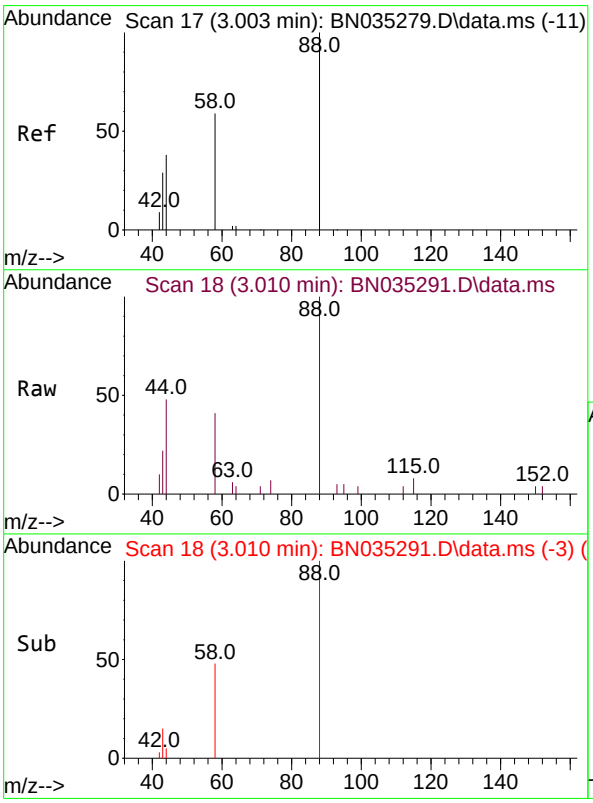
Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.5	186.7
115	57.0	47.8	71.8



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

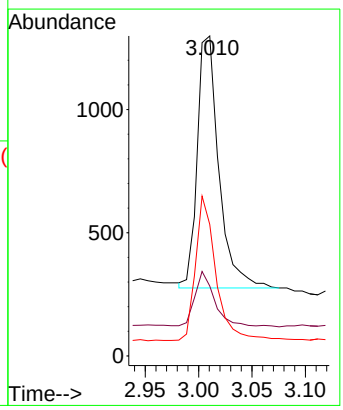
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

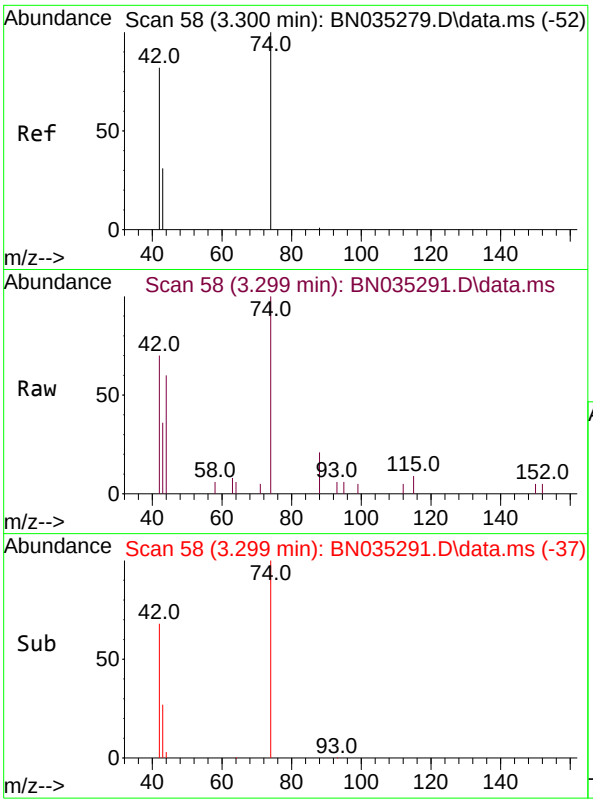


#2
1,4-Dioxane
Concen: 0.529 ng
RT: 3.010 min Scan# 18
Delta R.T. 0.007 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion: 88 Resp: 1445

Ion	Ratio	Lower	Upper
88	100		
43	20.5	48.1	72.1#
58	53.4	46.9	70.3

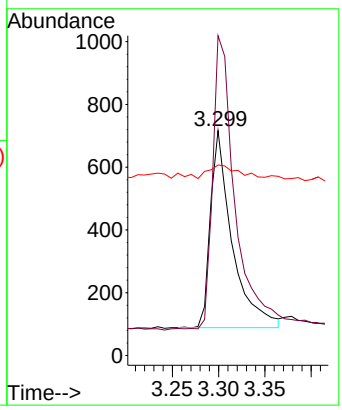




#3
n-Nitrosodimethylamine
Concen: 0.360 ng
RT: 3.299 min Scan# 5
Delta R.T. -0.001 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion: 42 Resp: 102

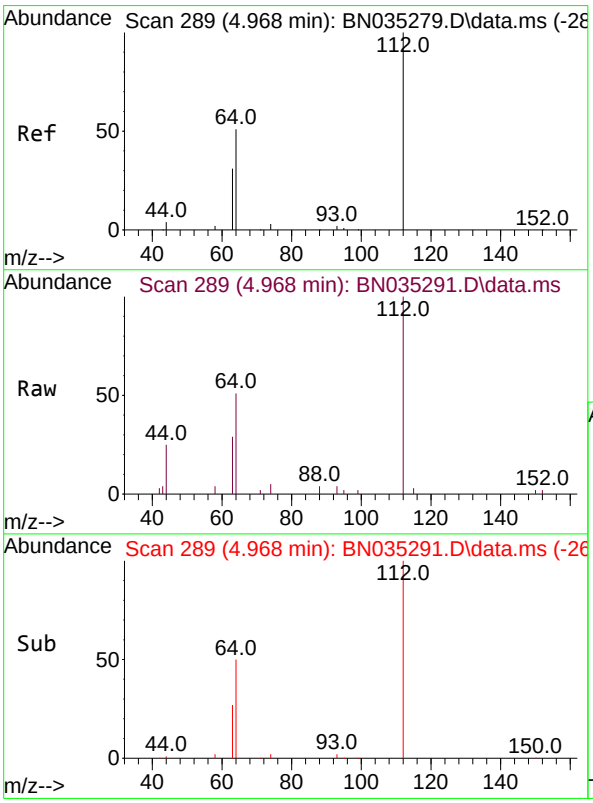
Ion	Ratio	Lower	Upper
42	100		
74	160.9	102.7	154.1#
44	9.3	34.1	51.1#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED

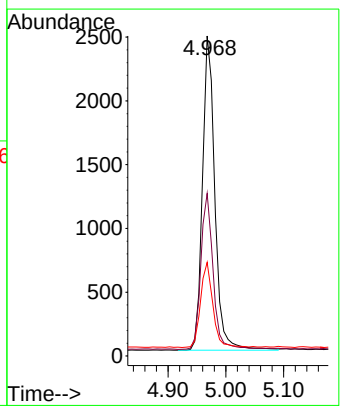
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

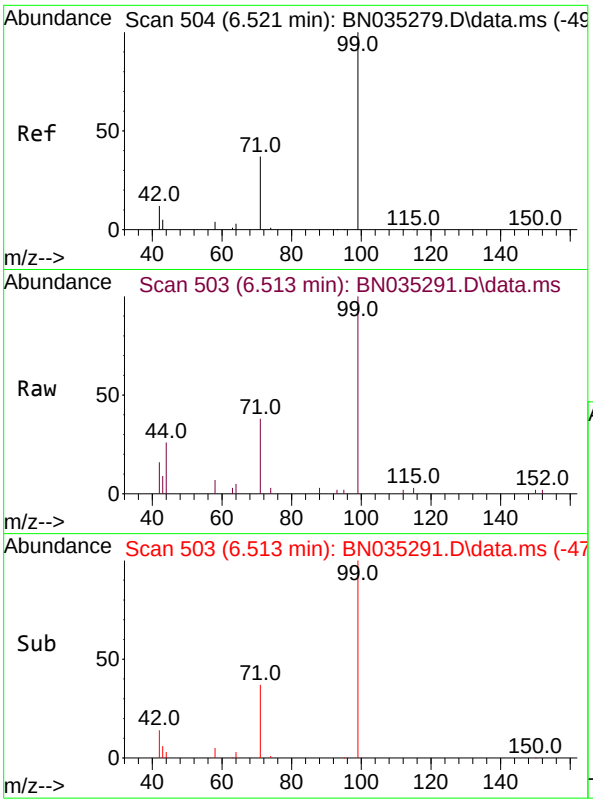


#4
2-Fluorophenol
Concen: 0.511 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:112 Resp: 3673

Ion	Ratio	Lower	Upper
112	100		
64	49.8	40.4	60.6
63	27.0	23.8	35.8





#5
Phenol-d6
Concen: 0.471 ng
RT: 6.513 min Scan# 5(
Delta R.T. -0.007 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

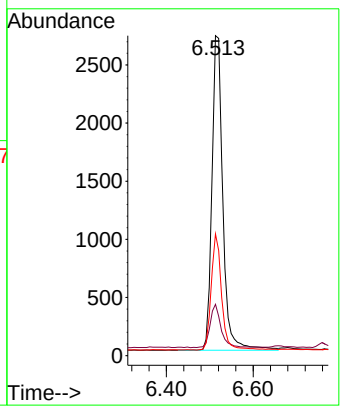
Tgt Ion: 99 Resp: 473(

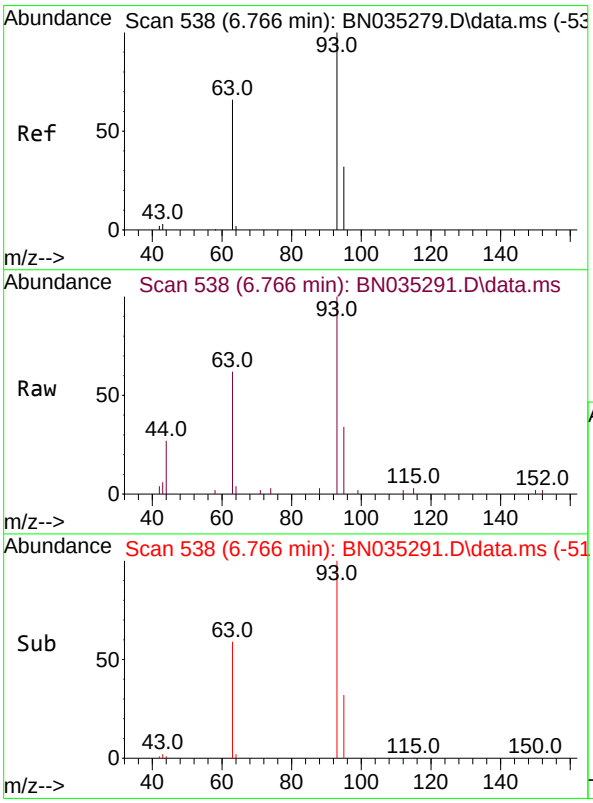
Ion	Ratio	Lower	Upper
99	100		
42	13.7	12.8	19.2
71	35.5	31.4	47.2

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

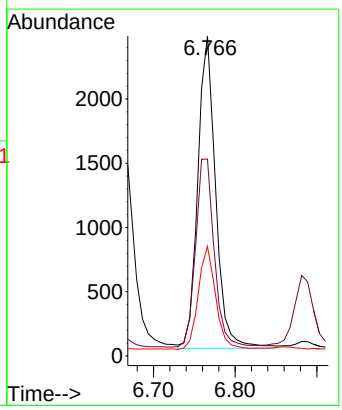


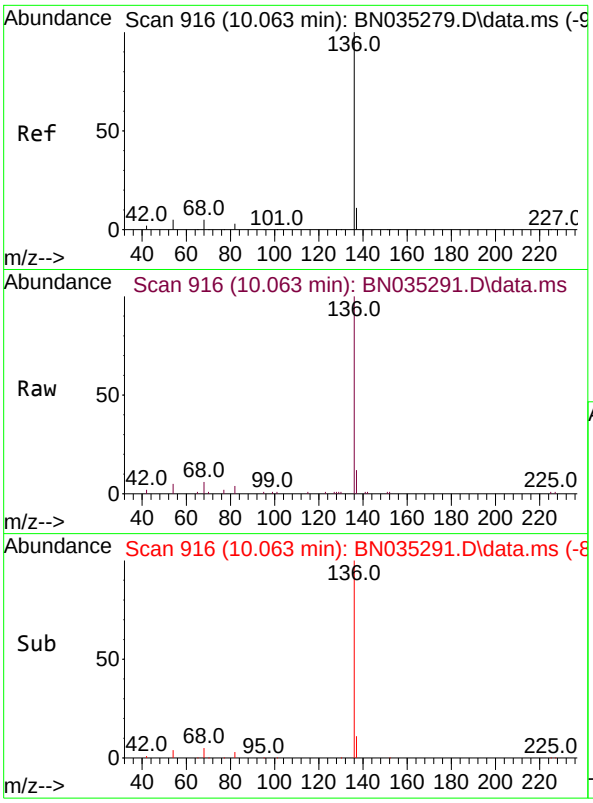


#6
bis(2-Chloroethyl)ether
Concen: 0.439 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion: 93 Resp: 3708

Ion	Ratio	Lower	Upper
93	100		
63	62.8	52.3	78.5
95	31.8	25.5	38.3

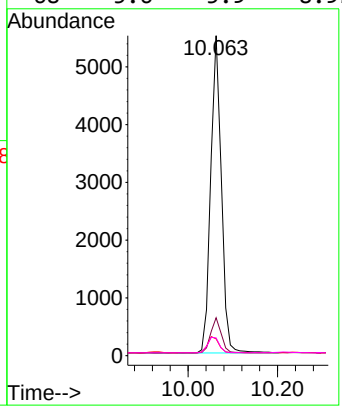




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

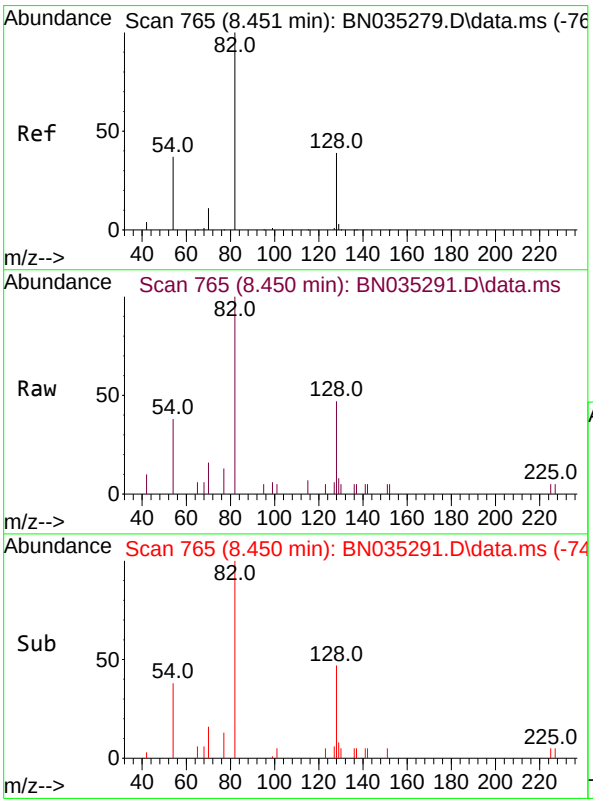
Tgt Ion:136 Resp: 905

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.7	14.5
54	5.3	5.3	7.9#
68	5.6	5.9	8.9#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

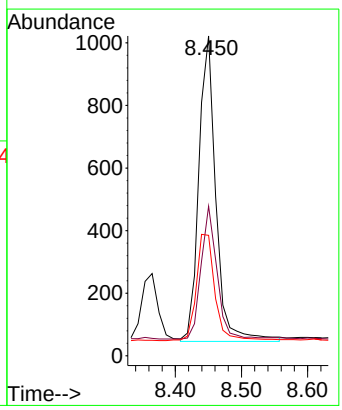
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

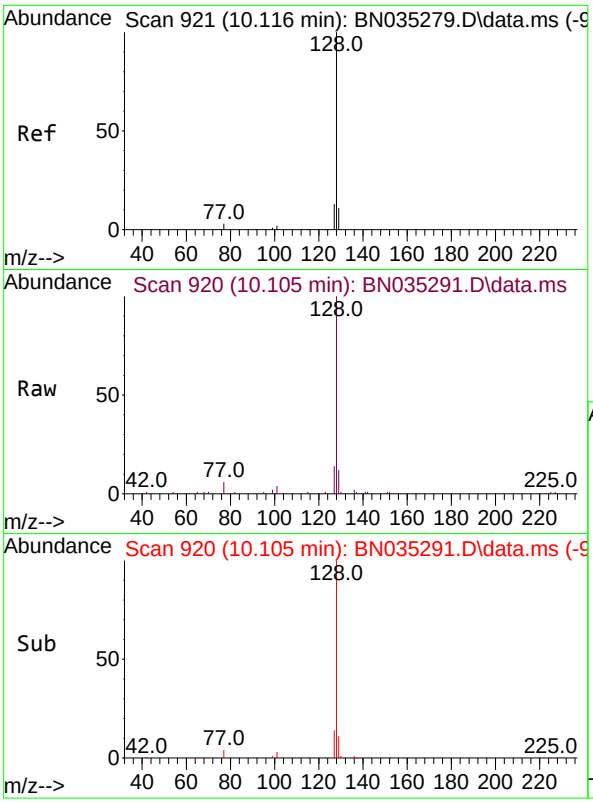


#8
Nitrobenzene-d5
Concen: 0.239 ng m
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion: 82 Resp: 1755

Ion	Ratio	Lower	Upper
82	100		
128	46.8	33.0	49.4
54	37.7	33.3	49.9

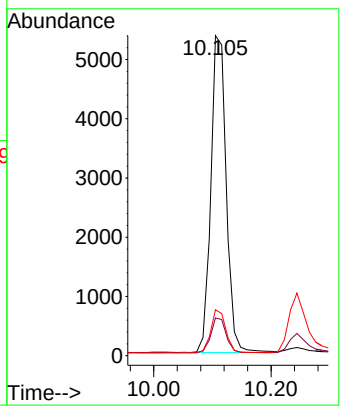




#9
Naphthalene
Concen: 0.387 ng
RT: 10.105 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:128 Resp: 973

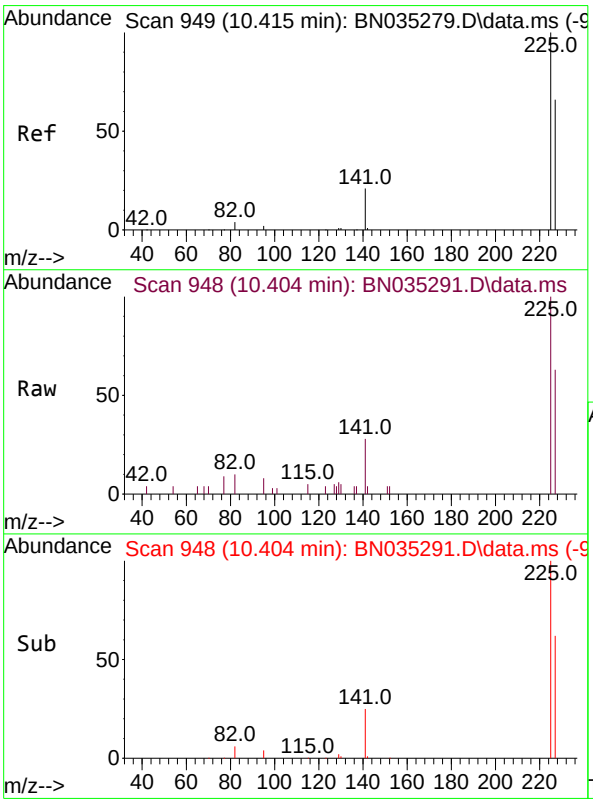
Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.6	14.4
127	14.4	11.3	16.9



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

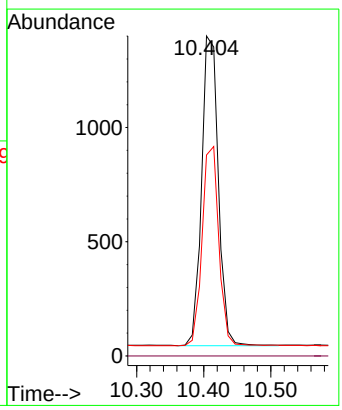
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

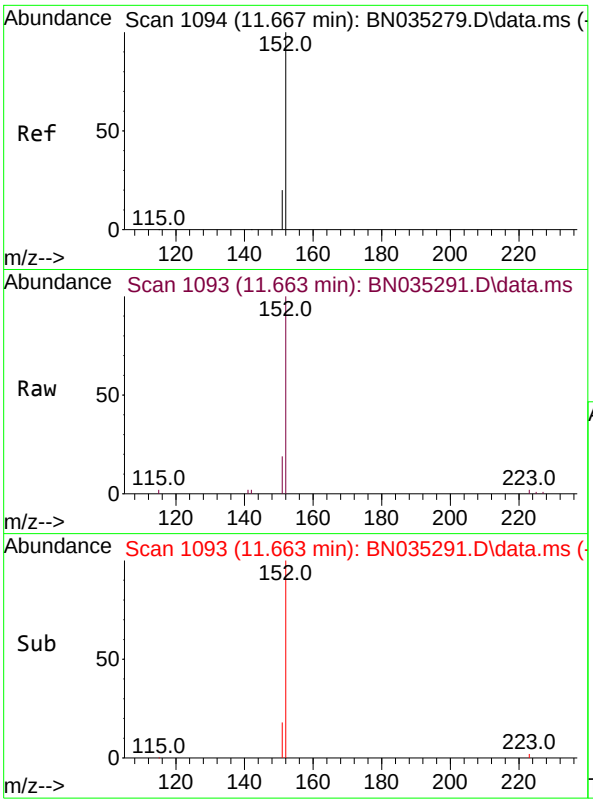


#10
Hexachlorobutadiene
Concen: 0.333 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:225 Resp: 2352

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	51.3	76.9





#11
2-Methylnaphthalene-d10
Concen: 0.410 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

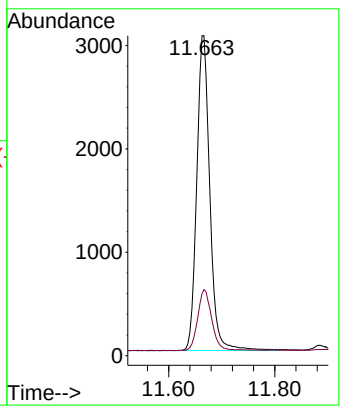
Tgt Ion:152 Resp: 519

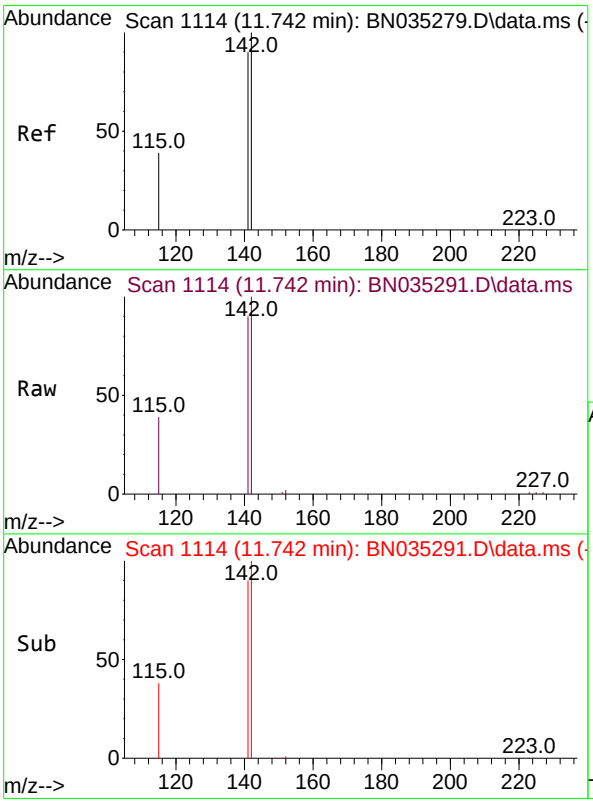
Ion	Ratio	Lower	Upper
152	100		
151	20.7	17.2	25.8

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

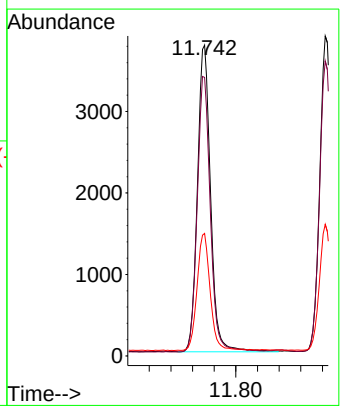


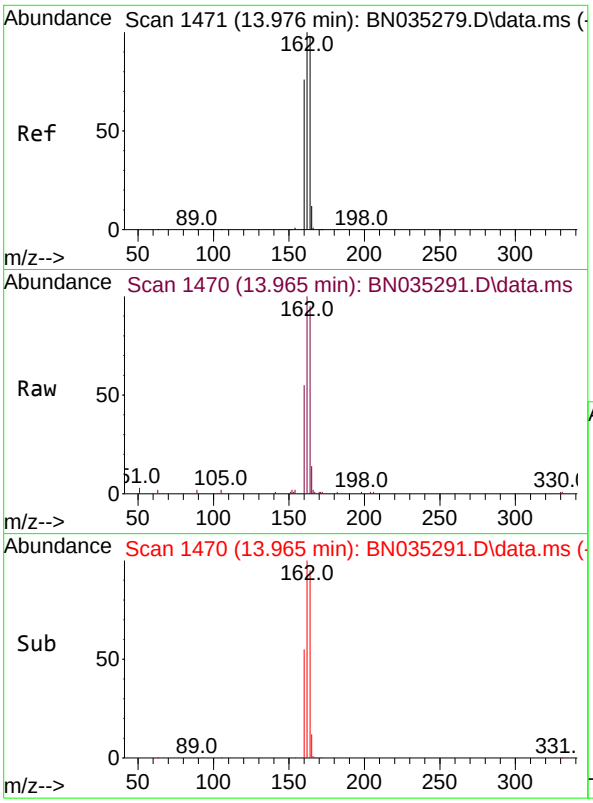


#12
2-Methylnaphthalene
Concen: 0.388 ng
RT: 11.742 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:142 Resp: 6373

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.8	107.8
115	39.4	32.6	49.0

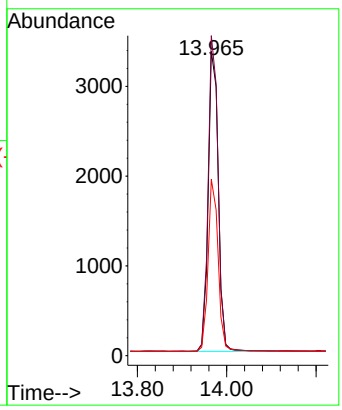




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.965 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:164 Resp: 522

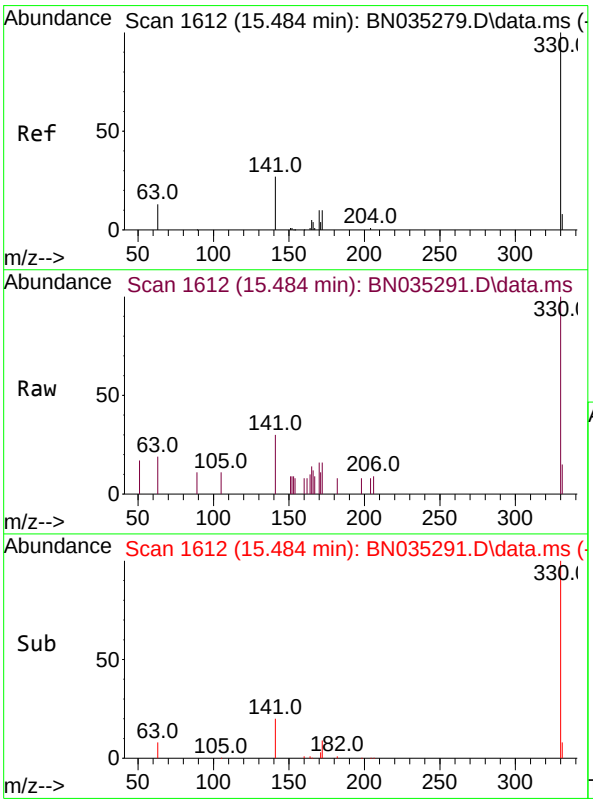
Ion	Ratio	Lower	Upper
164	100		
162	105.1	82.0	123.0
160	57.9	63.0	94.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

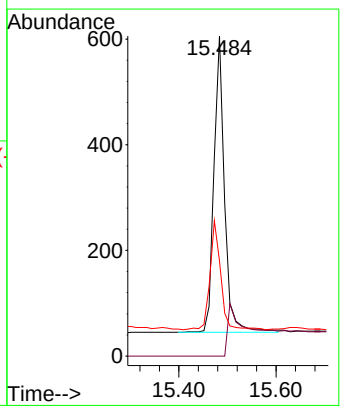
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

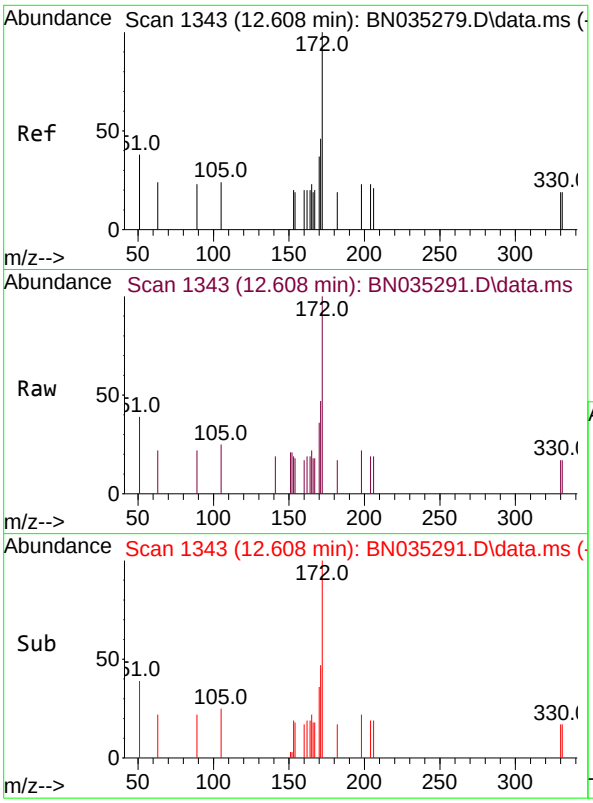


#14
2,4,6-Tribromophenol
Concen: 0.338 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:330 Resp: 900

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.0	32.4	48.6

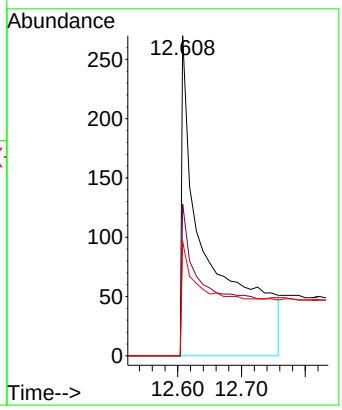




#15
2-Fluorobiphenyl
Concen: 0.260 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:172 Resp: 75

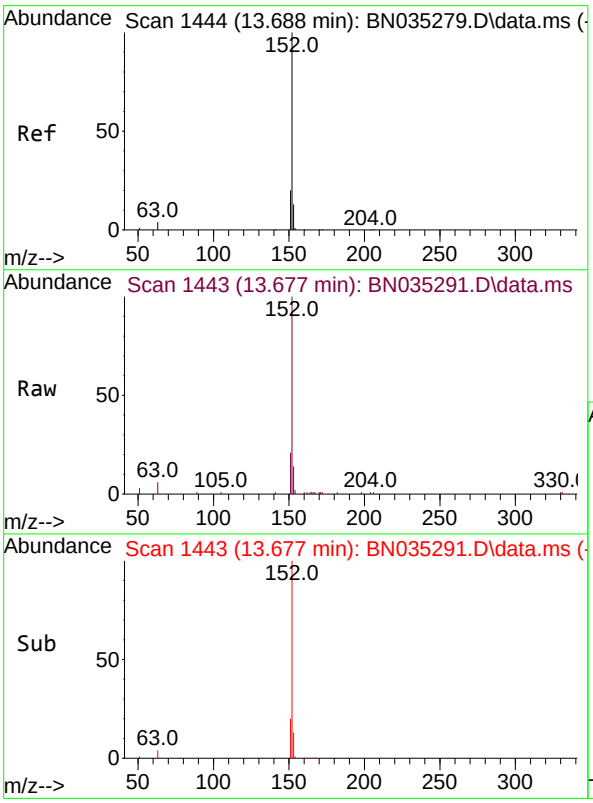
Ion	Ratio	Lower	Upper
172	100		
171	47.4	36.6	55.0
170	35.6	29.7	44.5



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

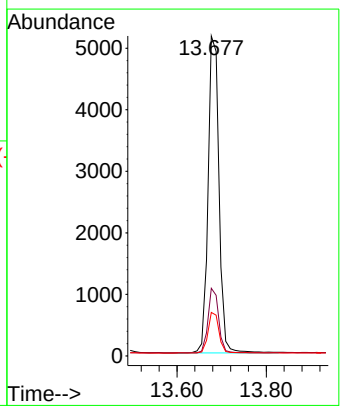
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

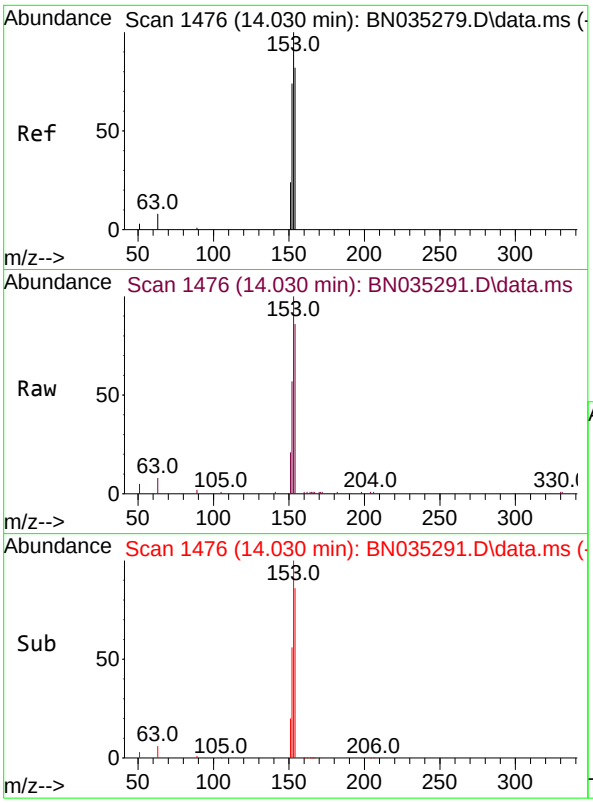


#16
Acenaphthylene
Concen: 0.332 ng
RT: 13.677 min Scan# 1443
Delta R.T. -0.011 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:152 Resp: 8730

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	12.8	10.2	15.4

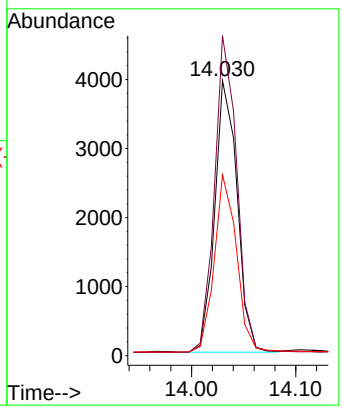




#17
Acenaphthene
Concen: 0.354 ng
RT: 14.030 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:154 Resp: 586

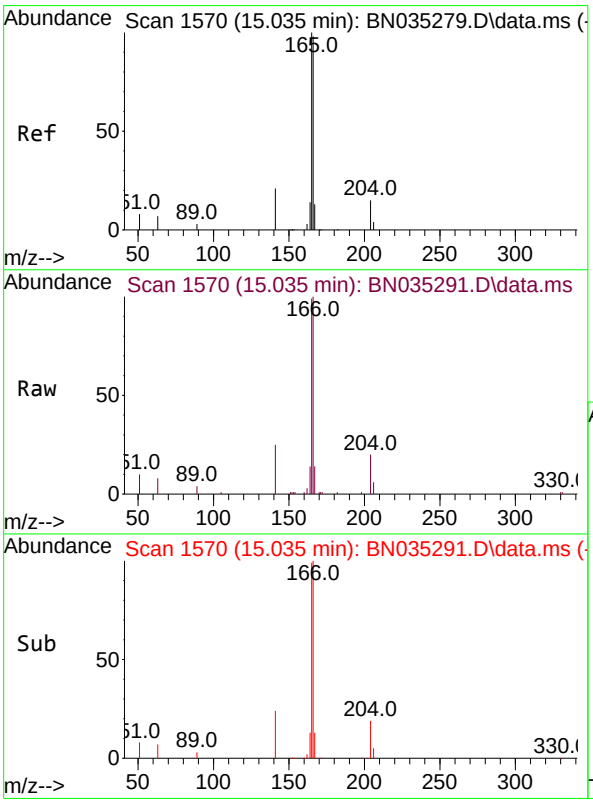
Ion	Ratio	Lower	Upper
154	100		
153	116.4	96.1	144.1
152	65.4	72.2	108.2#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

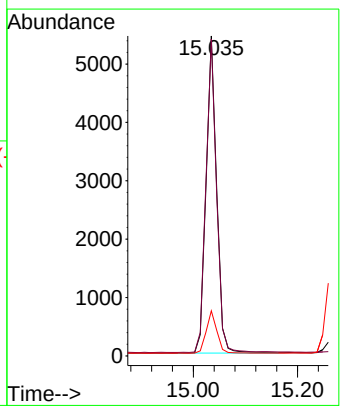
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

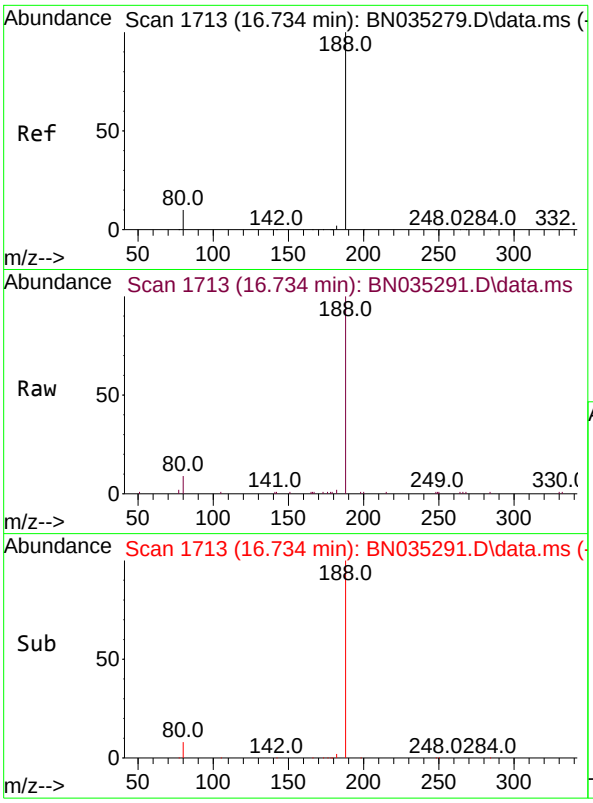


#18
Fluorene
Concen: 0.328 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:166 Resp: 7622

Ion	Ratio	Lower	Upper
166	100		
165	98.9	81.2	121.8
167	13.4	10.5	15.7





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

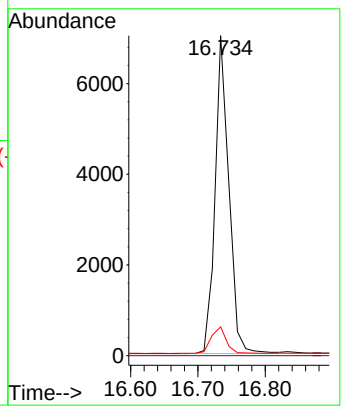
Tgt Ion:188 Resp: 994

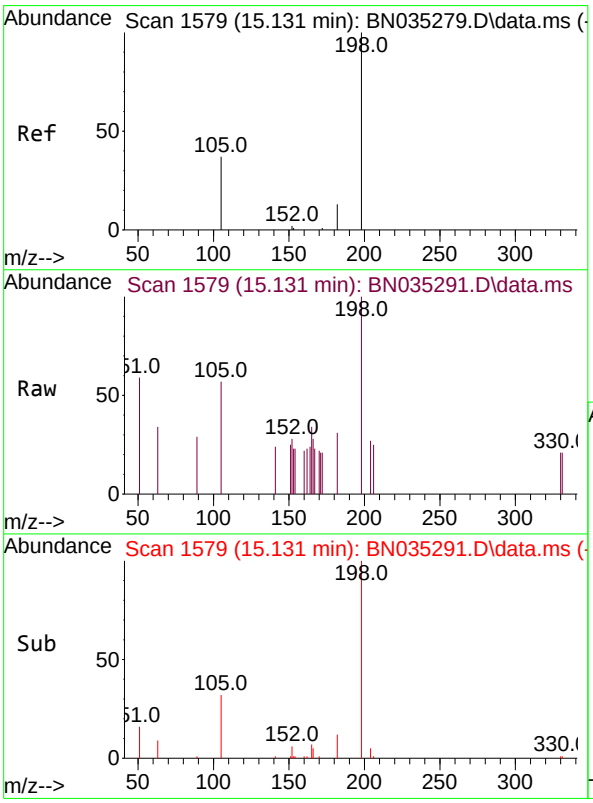
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	8.9	13.3

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

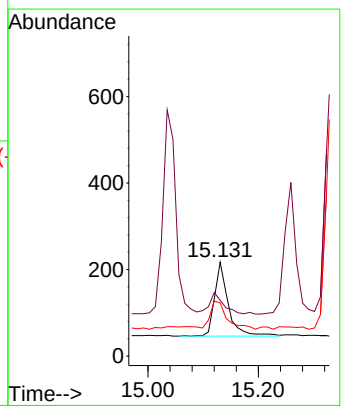


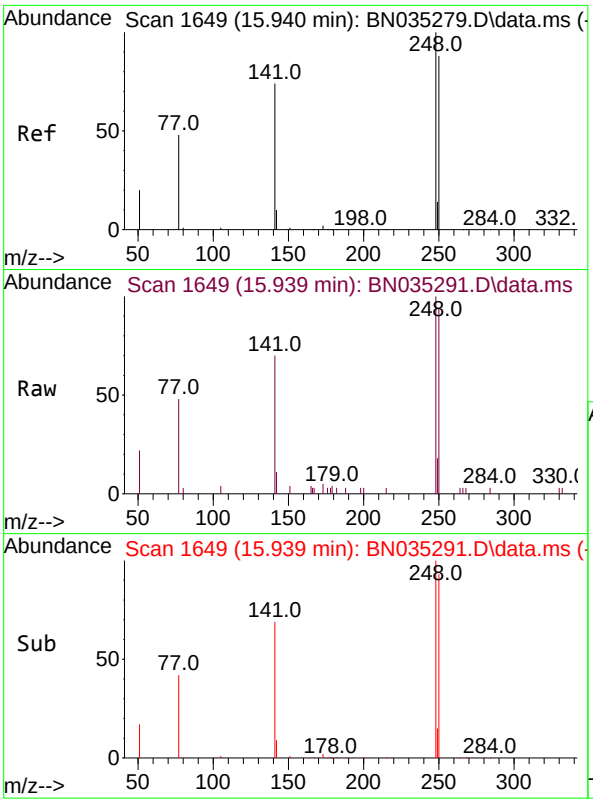


#20
4,6-Dinitro-2-methylphenol
Concen: 0.395 ng
RT: 15.131 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:198 Resp: 296

Ion	Ratio	Lower	Upper
198	100		
51	59.4	53.6	80.4
105	56.7	47.4	71.2

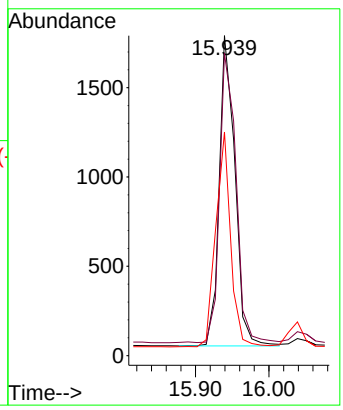




#21
4-Bromophenyl-phenylether
Concen: 0.409 ng
RT: 15.939 min Scan# 1(
Delta R.T. -0.001 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:248 Resp: 257

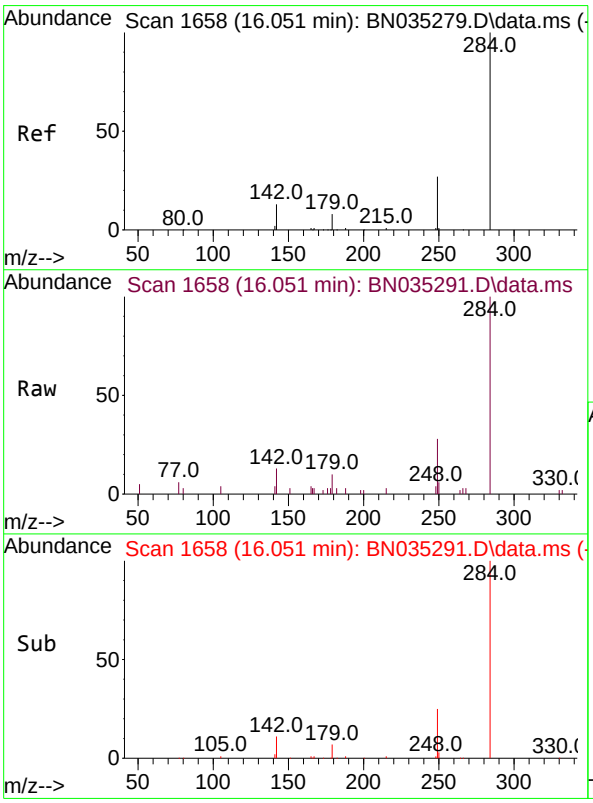
Ion	Ratio	Lower	Upper
248	100		
250	94.5	74.8	112.2
141	69.9	59.0	88.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

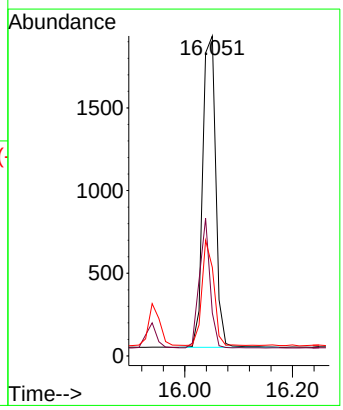
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

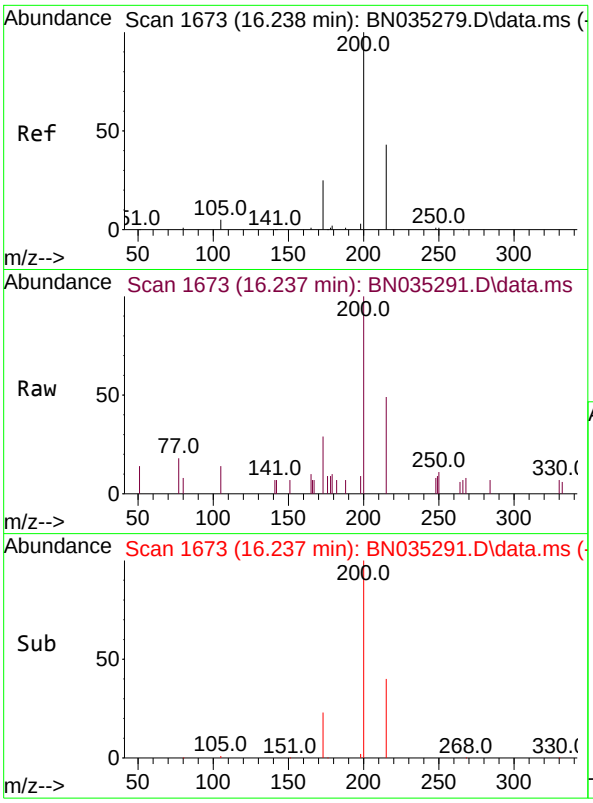


#22
Hexachlorobenzene
Concen: 0.349 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:284 Resp: 3153

Ion	Ratio	Lower	Upper
284	100		
142	34.5	28.7	43.1
249	30.7	25.4	38.0





#23
Atrazine
Concen: 0.390 ng
RT: 16.237 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

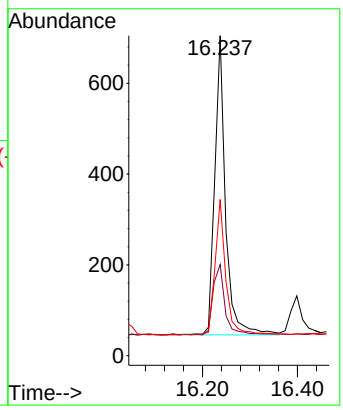
Tgt Ion:200 Resp: 103

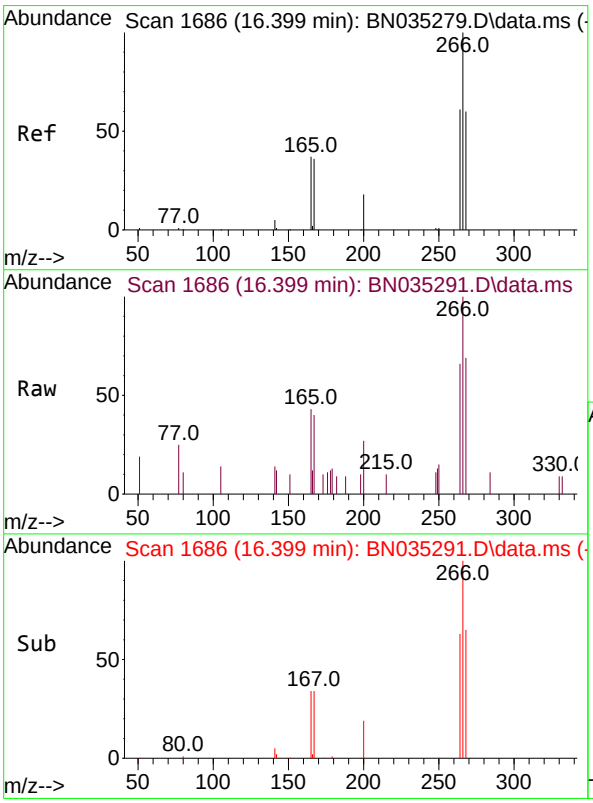
Ion	Ratio	Lower	Upper
200	100		
173	28.5	25.8	38.8
215	48.8	38.6	58.0

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

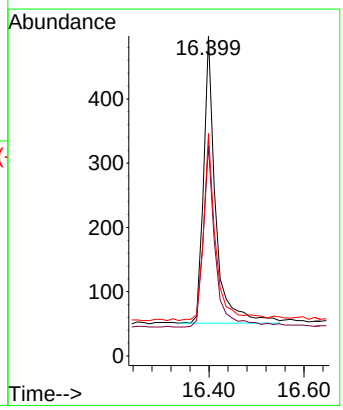


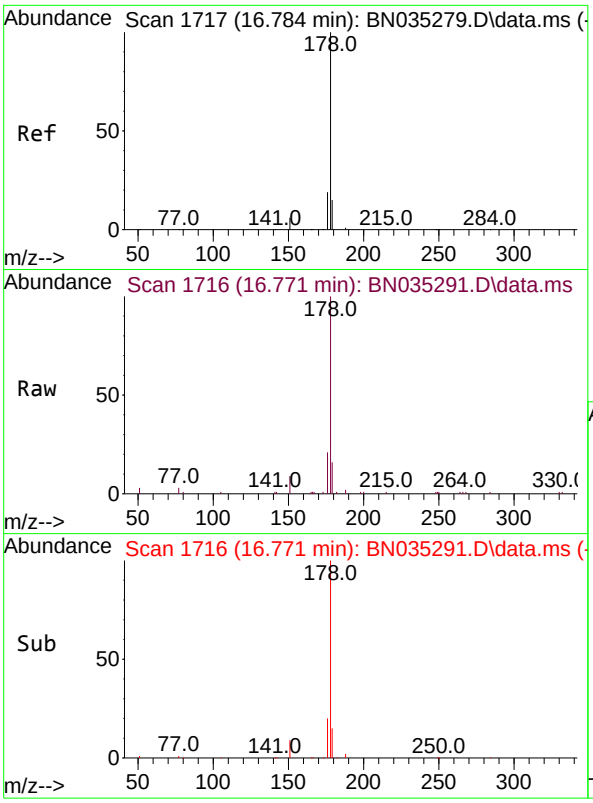


#24
Pentachlorophenol
Concen: 0.366 ng
RT: 16.399 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:266 Resp: 792

Ion	Ratio	Lower	Upper
266	100		
264	63.5	49.3	73.9
268	65.0	48.6	73.0

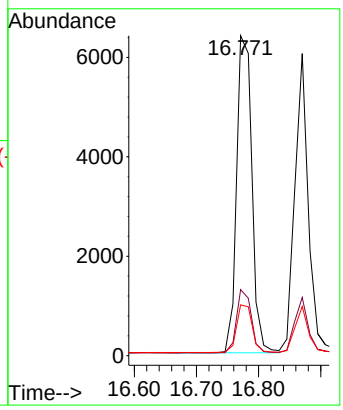




#25
Phenanthrene
Concen: 0.358 ng
RT: 16.771 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:178 Resp: 1094

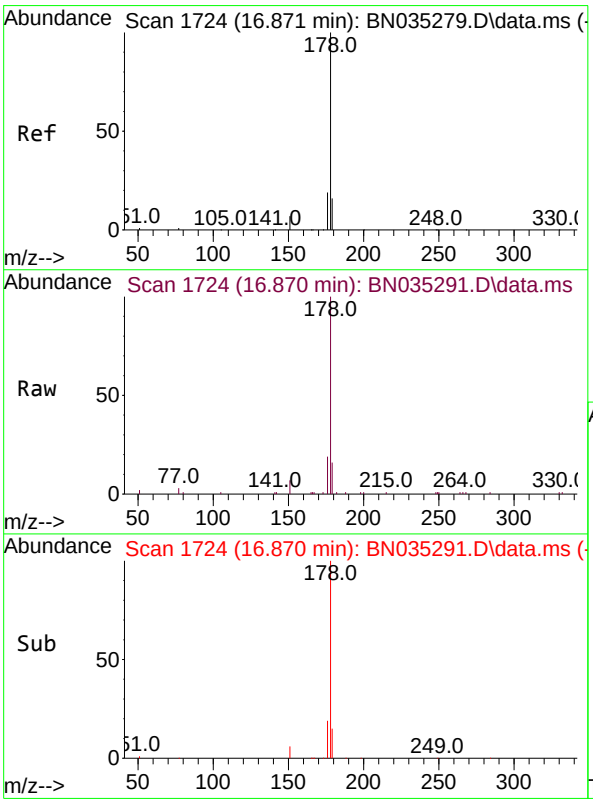
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.3	12.6	18.8



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

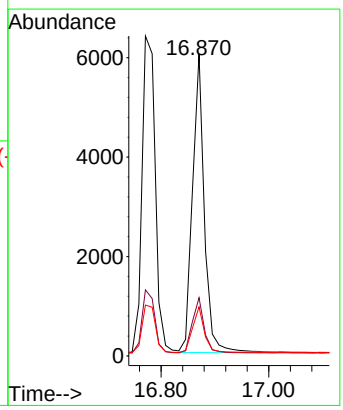
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

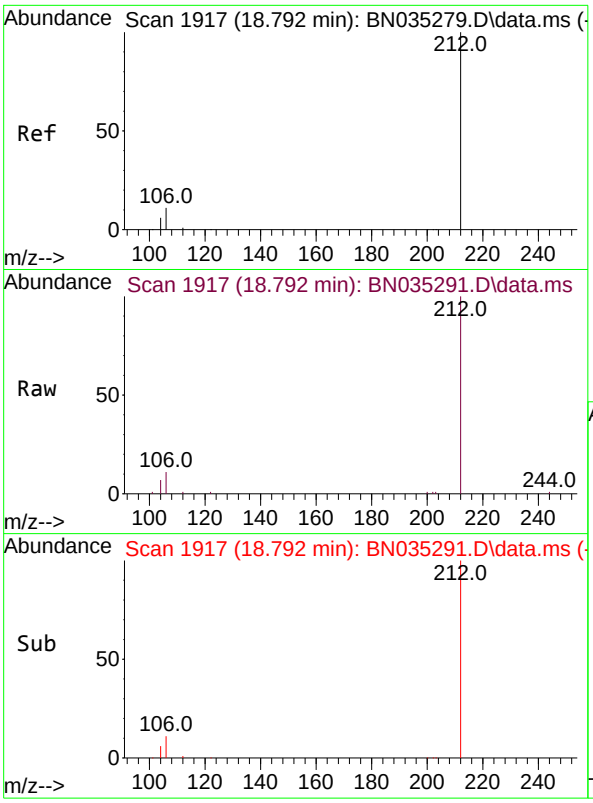


#26
Anthracene
Concen: 0.349 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:178 Resp: 9149

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.3	12.4	18.6

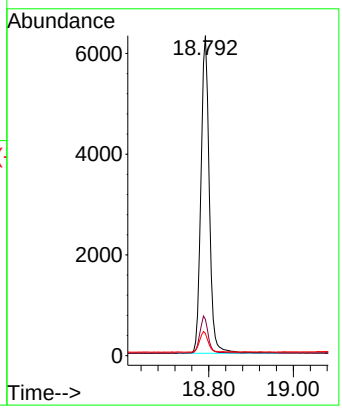




#27
Fluoranthene-d10
Concen: 0.325 ng
RT: 18.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:212 Resp: 864

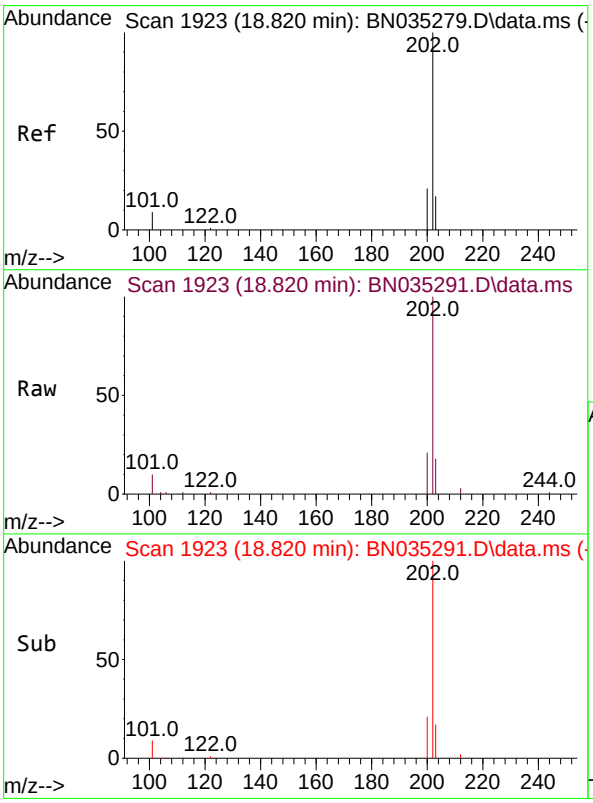
Ion	Ratio	Lower	Upper
212	100		
106	11.5	9.8	14.8
104	6.6	5.6	8.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

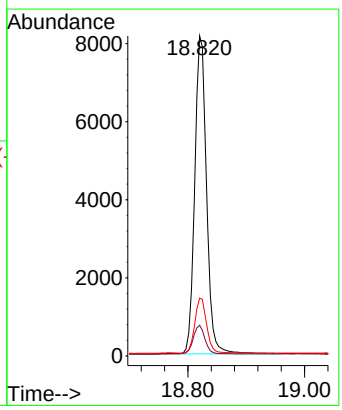
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

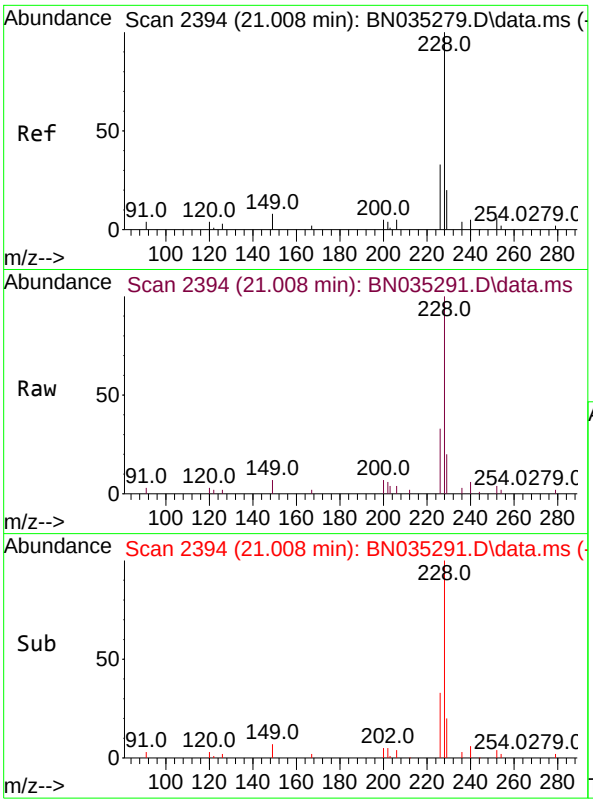


#28
Fluoranthene
Concen: 0.296 ng
RT: 18.820 min Scan# 1923
Delta R.T. 0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:202 Resp: 11418

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.6	11.4
203	17.2	13.8	20.8

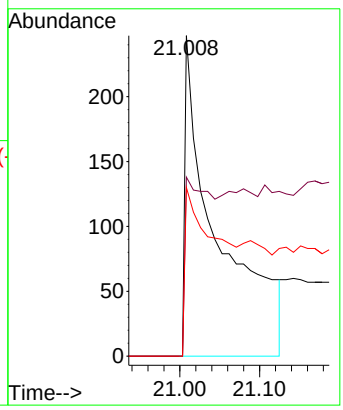




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

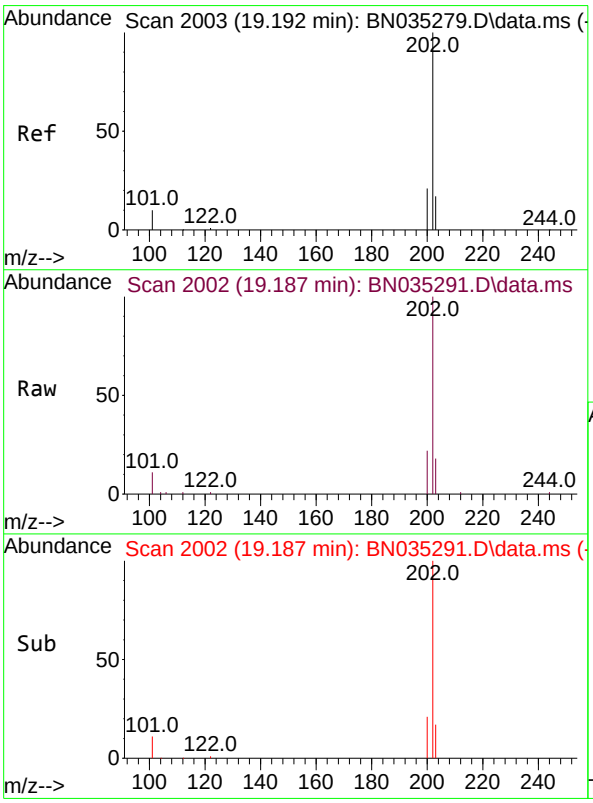
Tgt Ion:240 Resp: 67

Ion	Ratio	Lower	Upper
240	100		
120	55.9	54.9	82.3
236	52.6	54.0	81.0#



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

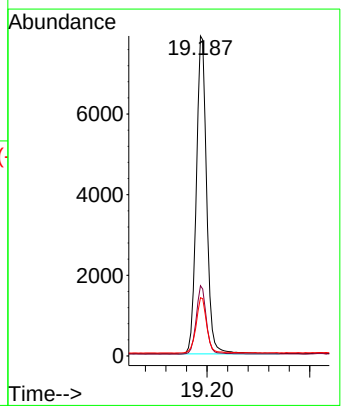
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

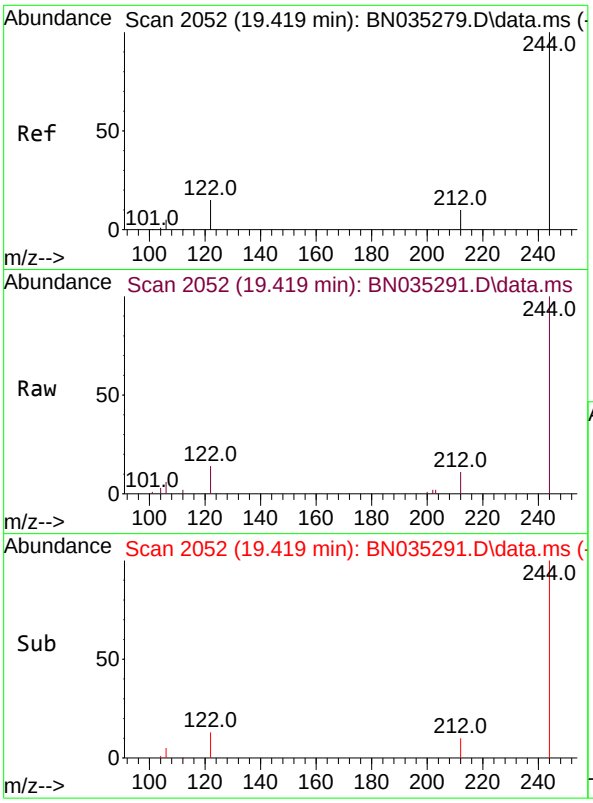


#30
Pyrene
Concen: 0.449 ng
RT: 19.187 min Scan# 2002
Delta R.T. -0.005 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:202 Resp: 11057

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.9	14.4	21.6

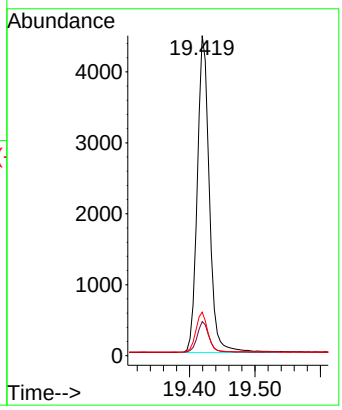




#31
Terphenyl-d14
Concen: 0.456 ng
RT: 19.419 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

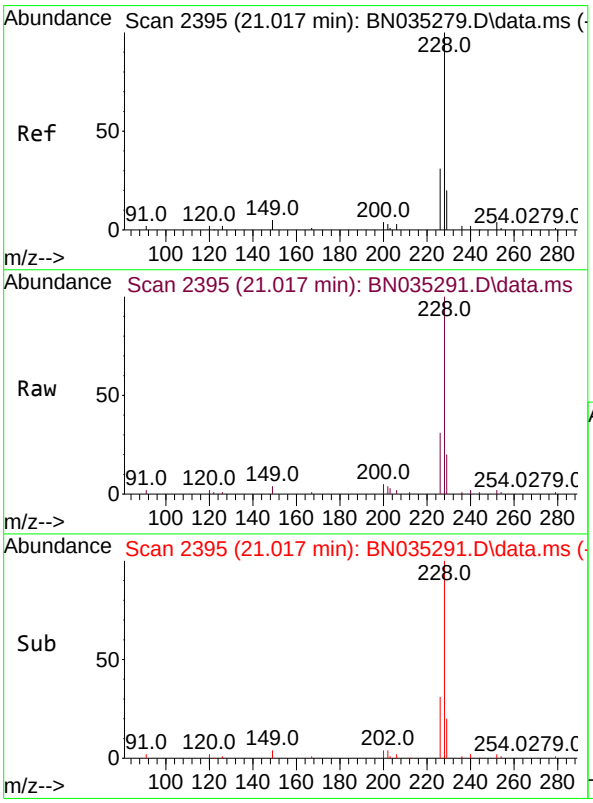
Tgt Ion:244 Resp: 570

Ion	Ratio	Lower	Upper
244	100		
212	10.6	9.4	14.0
122	13.6	13.0	19.4



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

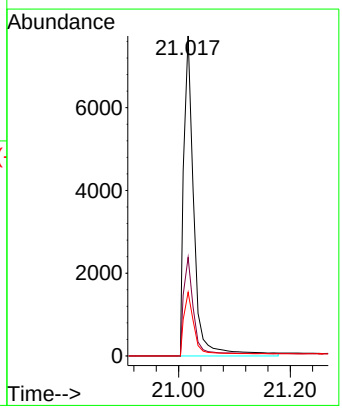
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

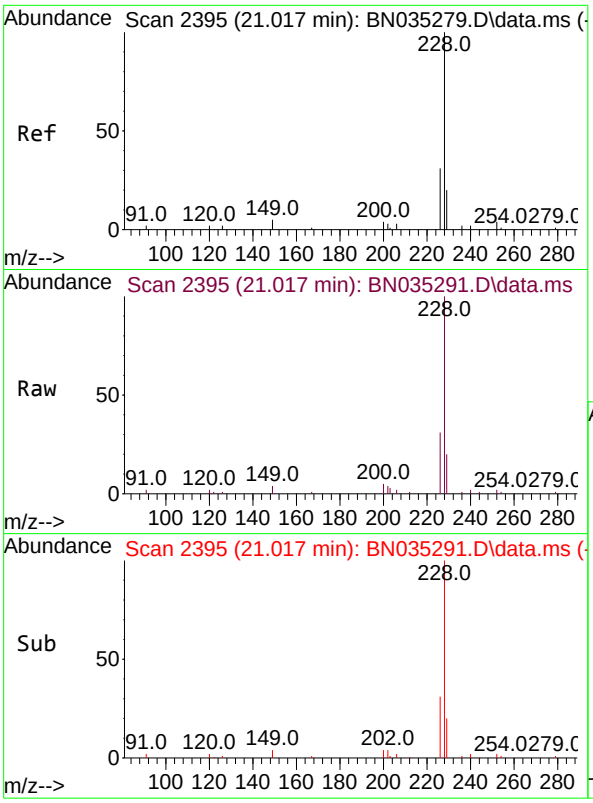


#32
Benzo(a)anthracene
Concen: 0.422 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:228 Resp: 9935

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.7	37.1
229	19.9	16.2	24.2

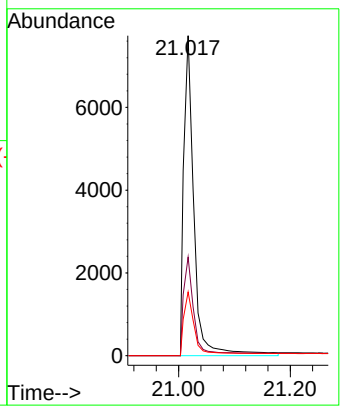




#33
Chrysene
Concen: 0.422 ng
RT: 21.017 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

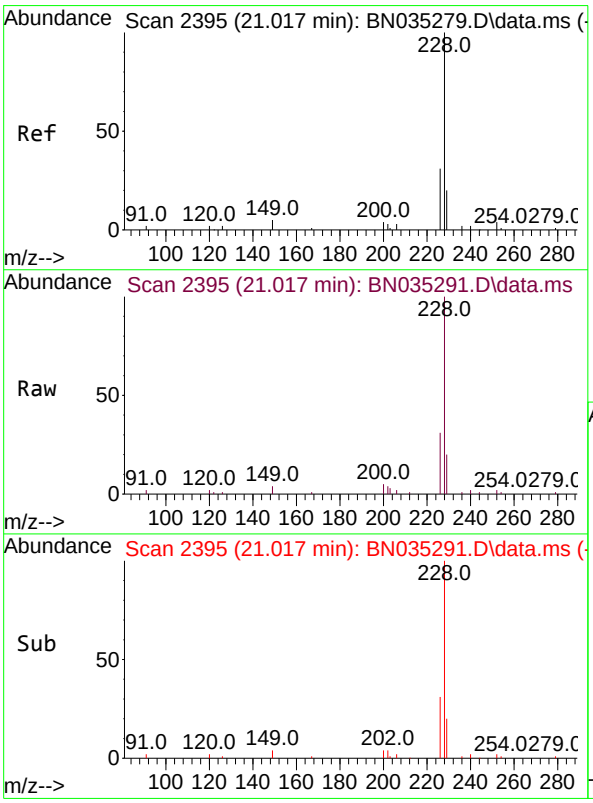
Tgt Ion:228 Resp: 993

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.7	37.1
229	19.9	16.2	24.2



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

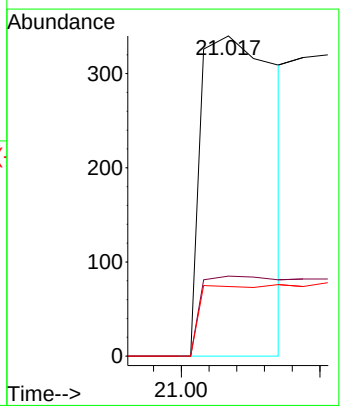
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

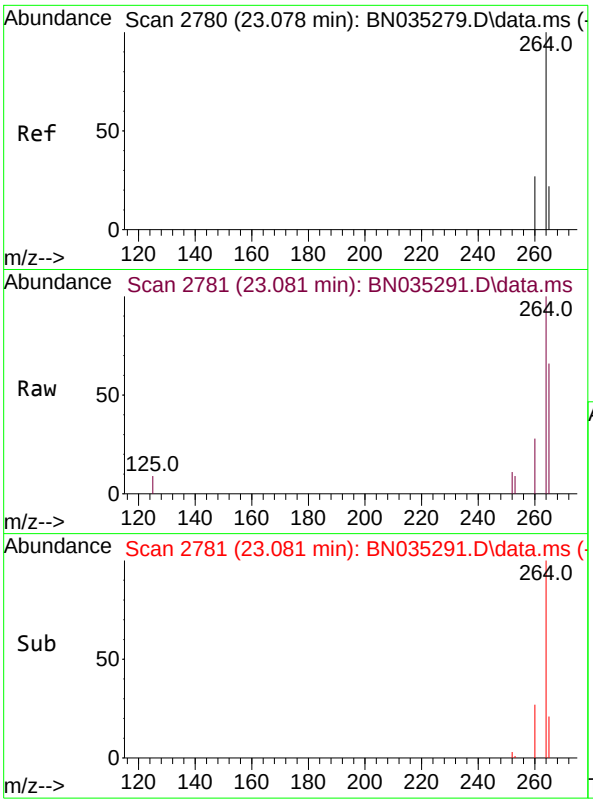


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.432 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:149 Resp: 560

Ion	Ratio	Lower	Upper
149	100		
167	25.7	0.0	0.0#
279	16.3	13.0	19.6





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.081 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

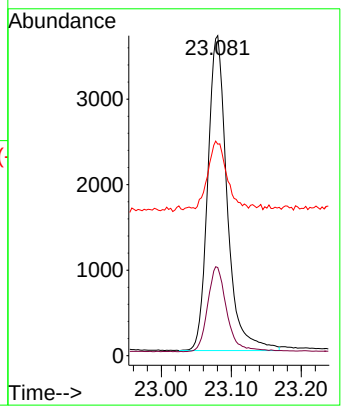
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

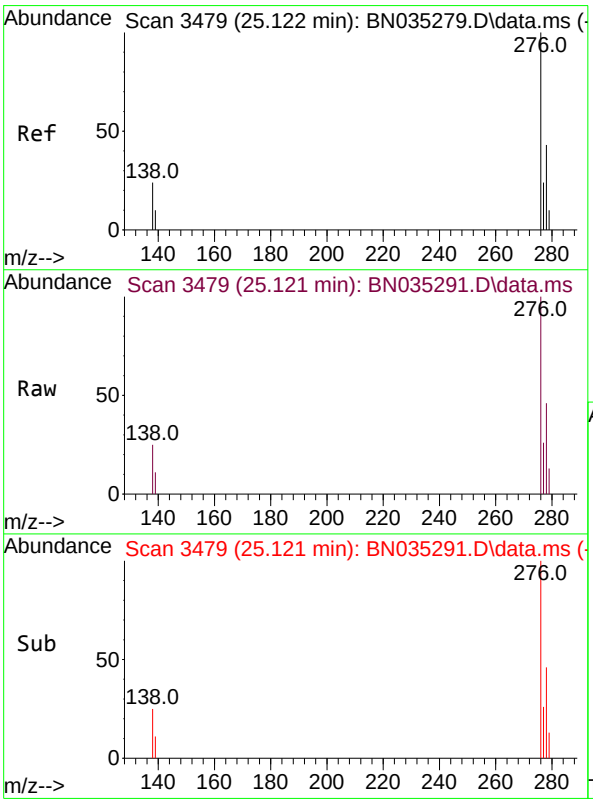
Tgt Ion:264 Resp: 706

Ion	Ratio	Lower	Upper
264	100		
260	27.6	22.3	33.5
265	66.1	68.6	103.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

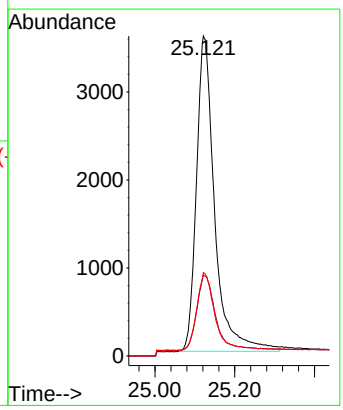


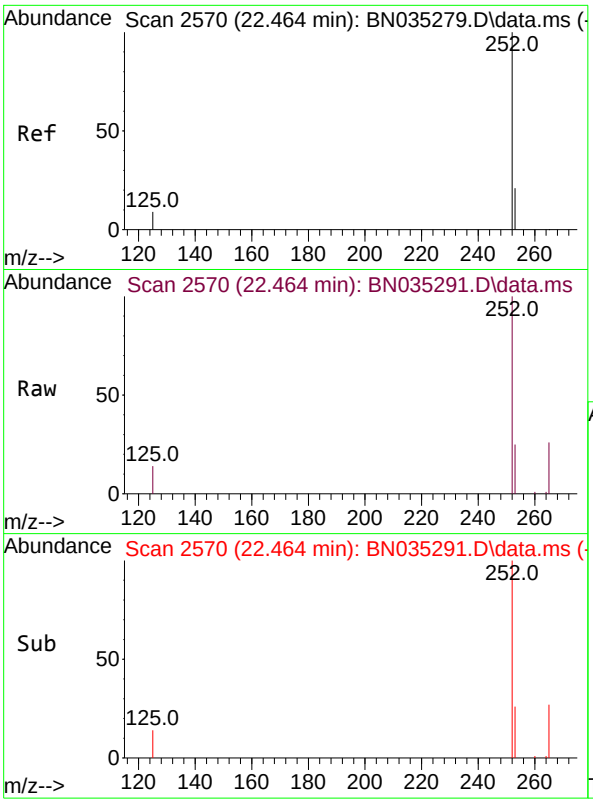


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.394 ng
RT: 25.121 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:276 Resp: 11395

Ion	Ratio	Lower	Upper
276	100		
138	23.3	18.8	28.2
277	24.2	18.2	27.4

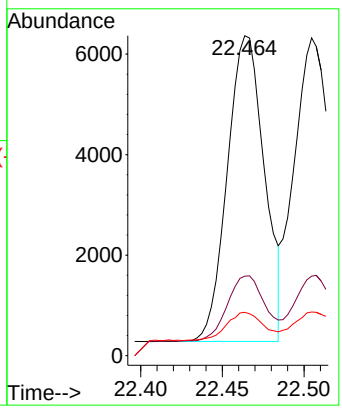




#37
Benzo(b)fluoranthene
Concen: 0.313 ng
RT: 22.464 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:252 Resp: 961

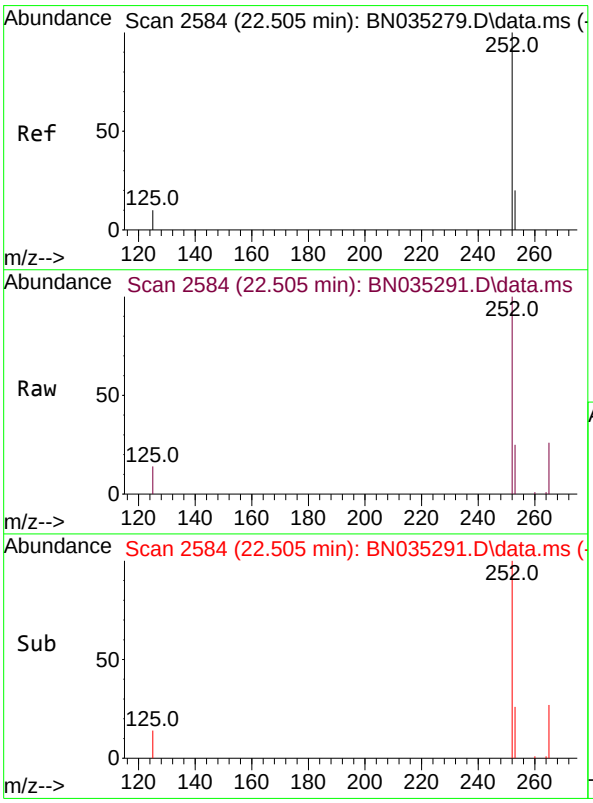
Ion	Ratio	Lower	Upper
252	100		
253	24.8	20.2	30.2
125	13.6	12.0	18.0



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

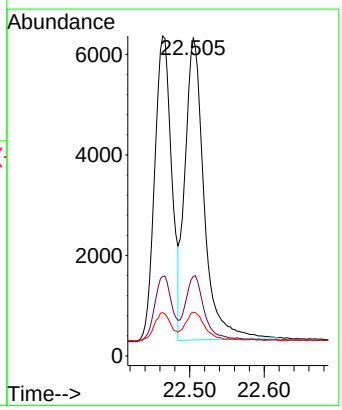
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

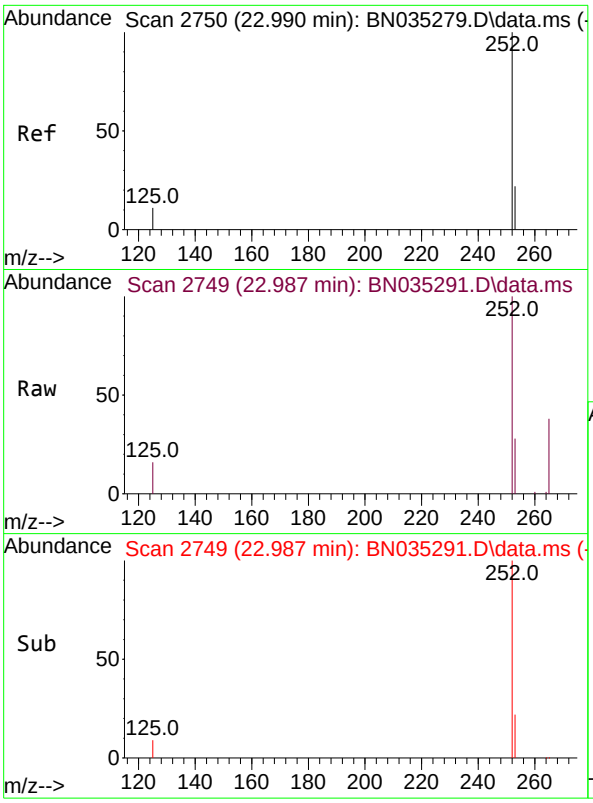


#38
Benzo(k)fluoranthene
Concen: 0.328 ng
RT: 22.505 min Scan# 2584
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:252 Resp: 10650

Ion	Ratio	Lower	Upper
252	100		
253	25.0	20.1	30.1
125	13.7	12.7	19.1

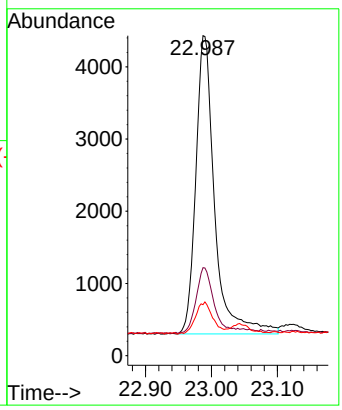




#39
Benzo(a)pyrene
Concen: 0.350 ng
RT: 22.987 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:252 Resp: 822

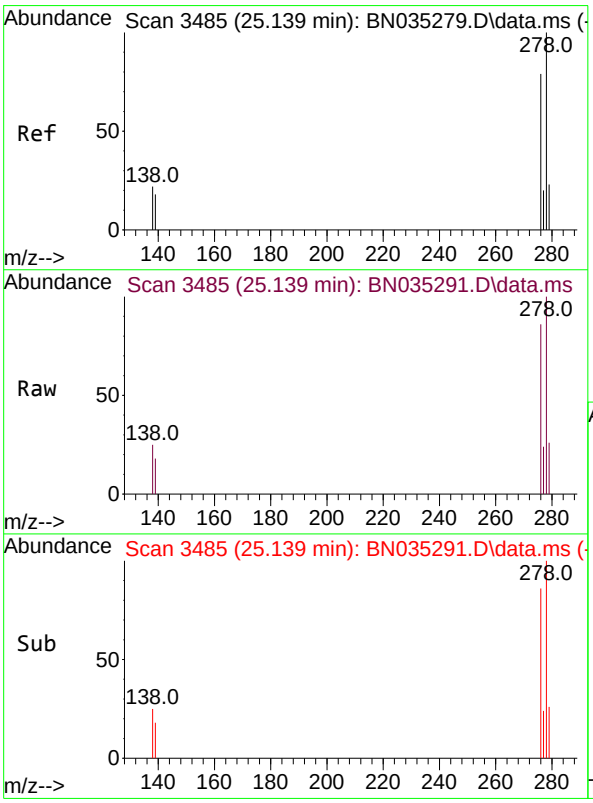
Ion	Ratio	Lower	Upper
252	100		
253	27.5	22.3	33.5
125	16.0	15.3	22.9



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

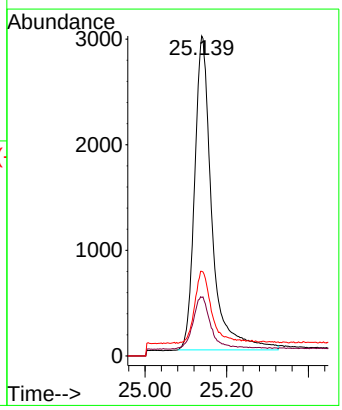
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

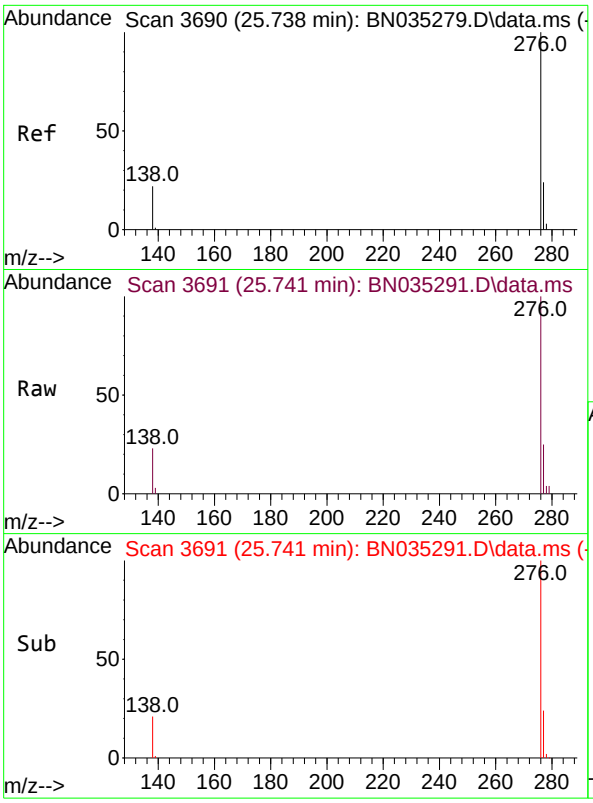


#40
Dibenzo(a,h)anthracene
Concen: 0.399 ng
RT: 25.139 min Scan# 3485
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:278 Resp: 8732

Ion	Ratio	Lower	Upper
278	100		
139	18.3	17.0	25.6
279	26.4	23.0	34.4

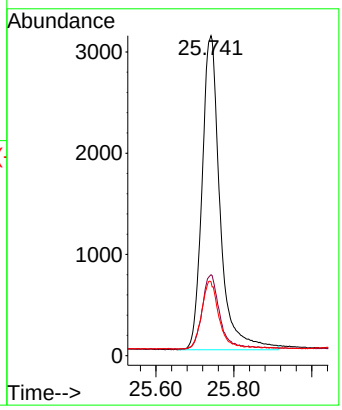




#41
Benzo(g,h,i)perylene
Concen: 0.392 ng
RT: 25.741 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:276 Resp: 993

Ion	Ratio	Lower	Upper
276	100		
277	25.3	21.1	31.7
138	23.1	19.8	29.8



Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035291.D
Acq On : 25 Nov 2024 19:20
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Nov 26 03:32:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	173#	0.00
2		1,4-Dioxane	0.288	0.380	-31.9#	229#	0.00
3		n-Nitrosodimethylamine	0.298	0.268	10.1	163#	0.00
4	S	2-Fluorophenol	0.756	0.966	-27.8#	212#	0.00
5	S	Phenol-d6	1.056	1.244	-17.8	195#	0.00
6		bis(2-Chloroethyl)ether	0.889	0.975	-9.7	188#	0.00
7	I	Naphthalene-d8	1.000	1.000	0.0	170#	0.00
8	S	Nitrobenzene-d5	0.324	0.194	40.1#	95	0.00
9		Naphthalene	1.110	1.075	3.2	168#	-0.01
10		Hexachlorobutadiene	0.312	0.260	16.7	141	-0.01
11	SURR	2-Methylnaphthalene-d10	0.560	0.573	-2.3	181#	0.00
12		2-Methylnaphthalene	0.726	0.704	3.0	176#	0.00
13	I	Acenaphthene-d10	1.000	1.000	0.0	177#	-0.01
14	S	2,4,6-Tribromophenol	0.204	0.172	15.7	169#	0.00
15	S	2-Fluorobiphenyl	0.221	0.144	34.8#	104	0.00
16		Acenaphthylene	2.013	1.671	17.0	157#	-0.01
17		Acenaphthene	1.267	1.122	11.4	169#	0.00
18		Fluorene	1.777	1.459	17.9	158#	0.00
19	I	Phenanthrene-d10	1.000	1.000	0.0	144	0.00
20		4,6-Dinitro-2-methylphenol	0.041	0.030	26.8#	127	0.00
21		4-Bromophenyl-phenylether	0.254	0.259	-2.0	159#	0.00
22		Hexachlorobenzene	0.363	0.317	12.7	130	0.00
23		Atrazine	0.107	0.104	2.8	150#	0.00
24		Pentachlorophenol	0.087	0.080	8.0	146	0.00
25		Phenanthrene	1.229	1.101	10.4	140	-0.01
26		Anthracene	1.055	0.920	12.8	146	0.00
27	SURR	Fluoranthene-d10	1.070	0.869	18.8	130	0.00
28		Fluoranthene	1.550	1.149	25.9#	124	0.00
29	I	Chrysene-d12	1.000	1.000	0.0	116	0.00
30		Pyrene	14.551	16.332	-12.2	123	0.00
31	S	Terphenyl-d14	7.392	8.425	-14.0	134	0.00
32		Benzo(a)anthracene	13.920	14.675	-5.4	123	0.00
33		Chrysene	13.920	14.675	-5.4	123	0.00
34		Bis(2-ethylhexyl)phthalate	0.765	0.827	-8.1	105	0.00
35	I	Perylene-d12	1.000	1.000	0.0	151#	0.00
36		Indeno(1,2,3-cd)pyrene	1.638	1.612	1.6	159#	0.00
37		Benzo(b)fluoranthene	1.738	1.360	21.7	141	0.00
38		Benzo(k)fluoranthene	1.839	1.507	18.1	139	0.00
39	C	Benzo(a)pyrene	1.329	1.163	12.5	153#	0.00
40		Dibenzo(a,h)anthracene	1.238	1.235	0.2	168#	0.00
41		Benzo(g,h,i)perylene	1.432	1.405	1.9	171#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035291.D
Acq On : 25 Nov 2024 19:20
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4

Quant Time: Nov 26 03:32:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	173	0.00
2		1,4-Dioxane	0.400	0.529	-32.3#	229	0.00
3		n-Nitrosodimethylamine	0.400	0.360	10.0	163	0.00
4	S	2-Fluorophenol	0.400	0.511	-27.7#	212	0.00
5	S	Phenol-d6	0.400	0.471	-17.7	195	0.00
6		bis(2-Chloroethyl)ether	0.400	0.439	-9.7	188	0.00
7	I	Naphthalene-d8	0.400	0.400	0.0	170	0.00
8	S	Nitrobenzene-d5	0.400	0.239	40.3#	95	0.00
9		Naphthalene	0.400	0.387	3.3	168	-0.01
10		Hexachlorobutadiene	0.400	0.333	16.8	141	-0.01
11	SURR	2-Methylnaphthalene-d10	0.400	0.410	-2.5	181	0.00
12		2-Methylnaphthalene	0.400	0.388	3.0	176	0.00
13	I	Acenaphthene-d10	0.400	0.400	0.0	177	-0.01
14	S	2,4,6-Tribromophenol	0.400	0.338	15.5	169	0.00
15	S	2-Fluorobiphenyl	0.400	0.260	35.0#	104	0.00
16		Acenaphthylene	0.400	0.332	17.0	157	-0.01
17		Acenaphthene	0.400	0.354	11.5	169	0.00
18		Fluorene	0.400	0.328	18.0	158	0.00
19	I	Phenanthrene-d10	0.400	0.400	0.0	144	0.00
20		4,6-Dinitro-2-methylphenol	0.400	0.395	1.3	127	0.00
21		4-Bromophenyl-phenylether	0.400	0.409	-2.2	159	0.00
22		Hexachlorobenzene	0.400	0.349	12.8	130	0.00
23		Atrazine	0.400	0.390	2.5	150	0.00
24		Pentachlorophenol	0.400	0.366	8.5	146	0.00
25		Phenanthrene	0.400	0.358	10.5	140	-0.01
26		Anthracene	0.400	0.349	12.8	146	0.00
27	SURR	Fluoranthene-d10	0.400	0.325	18.8	130	0.00
28		Fluoranthene	0.400	0.296	26.0#	124	0.00
29	I	Chrysene-d12	0.400	0.400	0.0	116	0.00
30		Pyrene	0.400	0.449	-12.2	123	0.00
31	S	Terphenyl-d14	0.400	0.456	-14.0	134	0.00
32		Benzo(a)anthracene	0.400	0.422	-5.5	123	0.00
33		Chrysene	0.400	0.422	-5.5	123	0.00
34		Bis(2-ethylhexyl)phthalate	0.400	0.432	-8.0	105	0.00
35	I	Perylene-d12	0.400	0.400	0.0	151	0.00
36		Indeno(1,2,3-cd)pyrene	0.400	0.394	1.5	159	0.00
37		Benzo(b)fluoranthene	0.400	0.313	21.8	141	0.00
38		Benzo(k)fluoranthene	0.400	0.328	18.0	139	0.00
39	C	Benzo(a)pyrene	0.400	0.350	12.5	153	0.00
40		Dibenzo(a,h)anthracene	0.400	0.399	0.3	168	0.00
41		Benzo(g,h,i)perylene	0.400	0.392	2.0	171	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

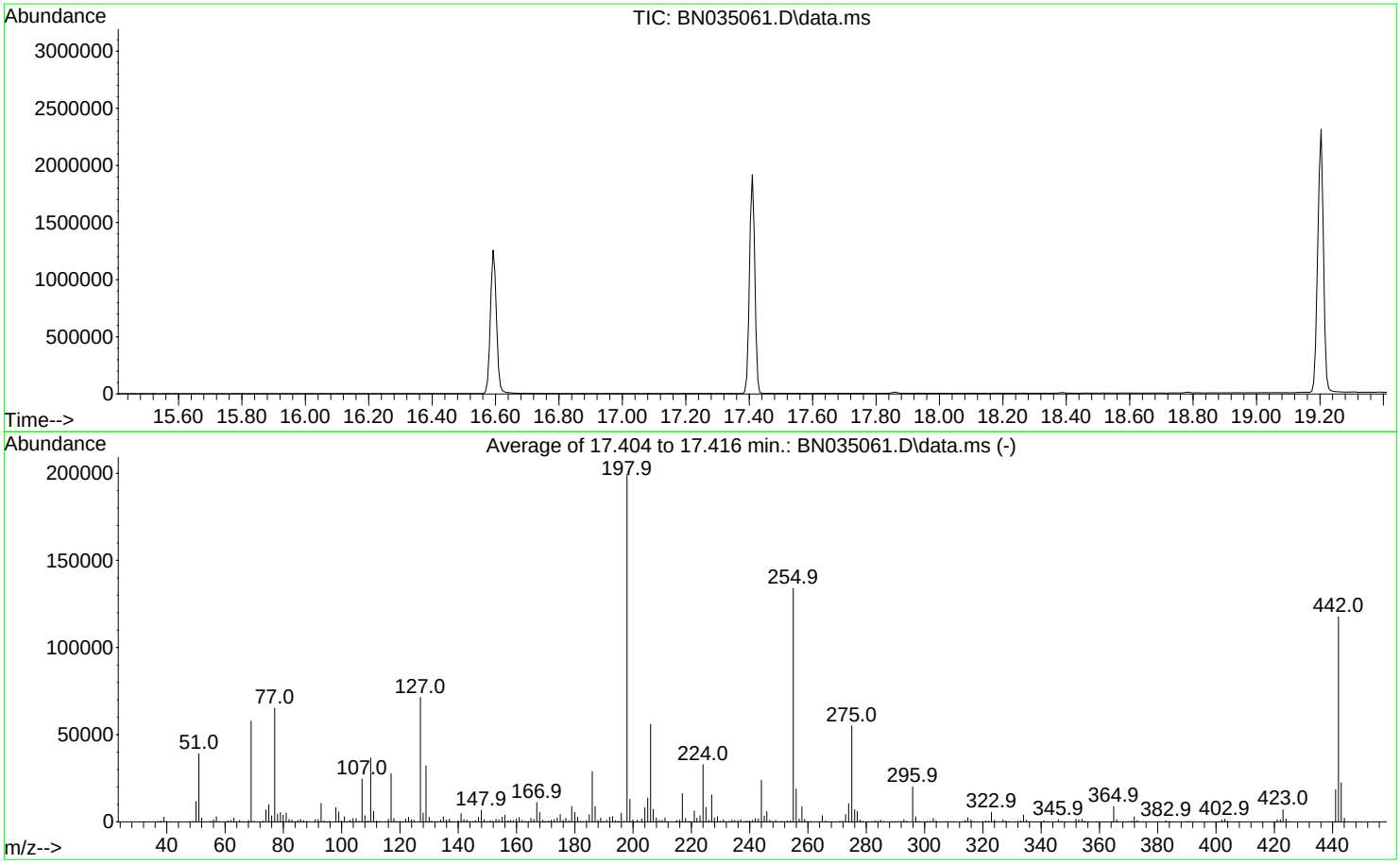
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035061.D
Acq On : 13 Nov 2024 12:01
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 13 17:18:14 2024



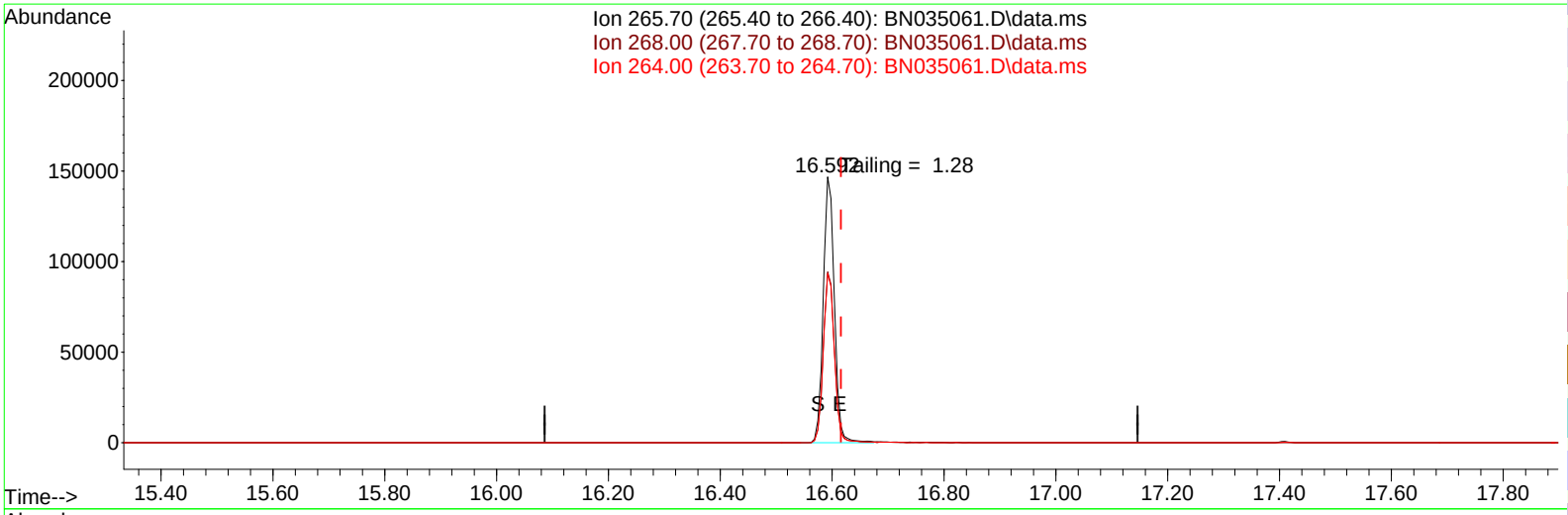
AutoFind: Scans 2468, 2469, 2470; Background Corrected with Scan 2461

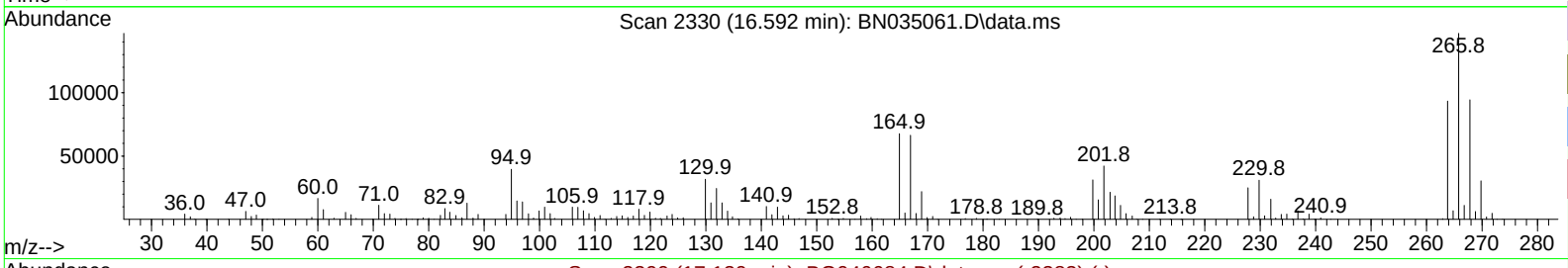
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	19.6	39078	PASS
68	69	0.00	2	1.4	807	PASS
69	198	0.00	100	29.1	57928	PASS
70	69	0.00	2	0.7	382	PASS
127	198	10	80	35.9	71451	PASS
197	198	0.00	2	0.2	365	PASS
198	198	100	100	100.0	199275	PASS
199	198	5	9	6.6	13094	PASS
275	198	10	60	27.6	55048	PASS
365	198	1	100	4.4	8801	PASS
441	198	0.01	100	9.3	18540	PASS
442	442	50	100	100.0	117725	PASS
443	442	15	24	19.0	22395	PASS

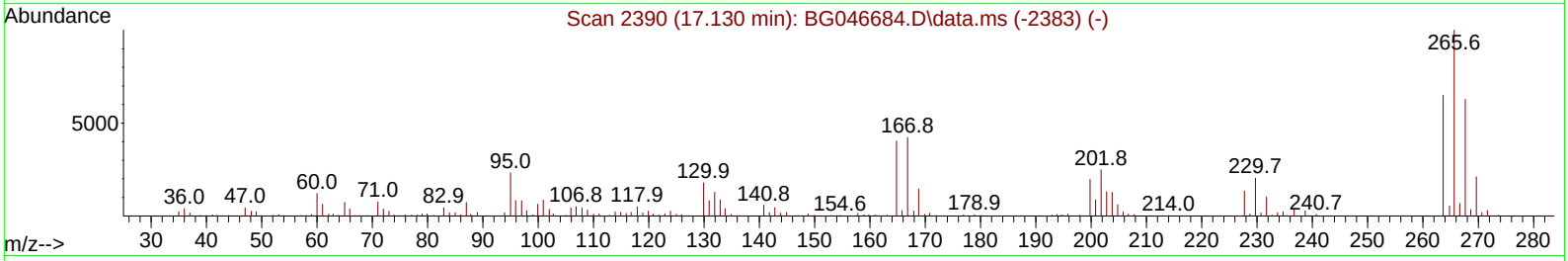
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035061.D
Acq On : 13 Nov 2024 12:01
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 14 15:14:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 09 04:05:27 2024
Response via : Initial Calibration







TIC: BN035061.D\data.ms

(70) Pentachlorophenol (C)

16.592min (-0.024) 20966.65 ng

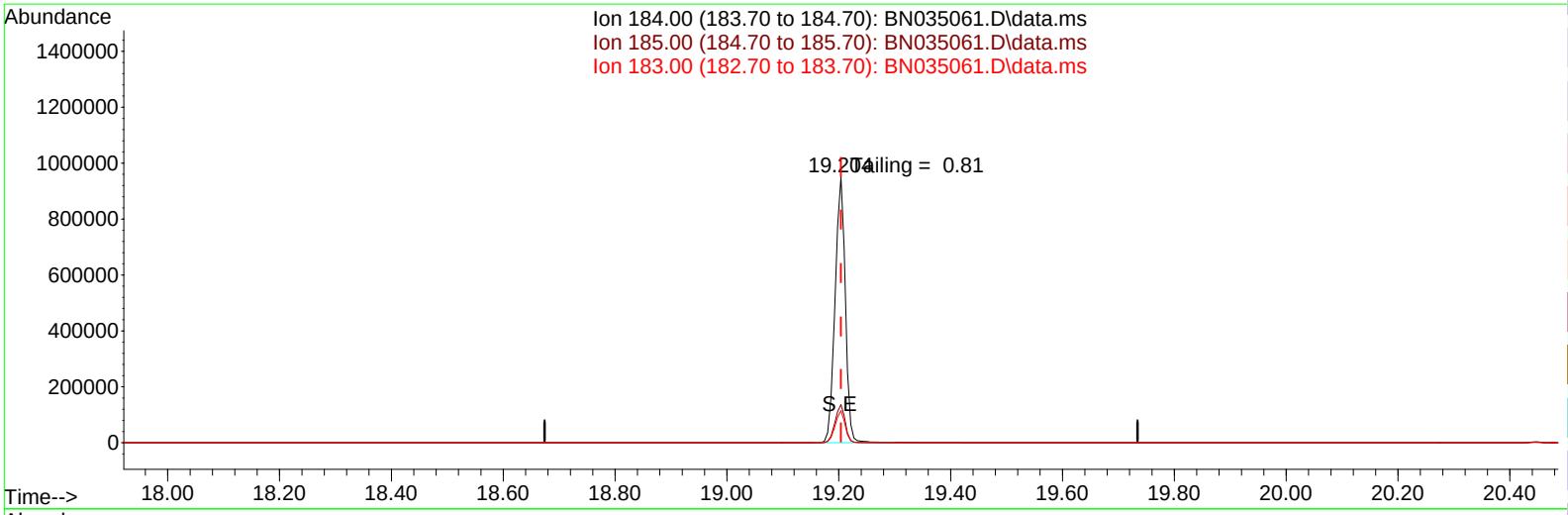
response 202879

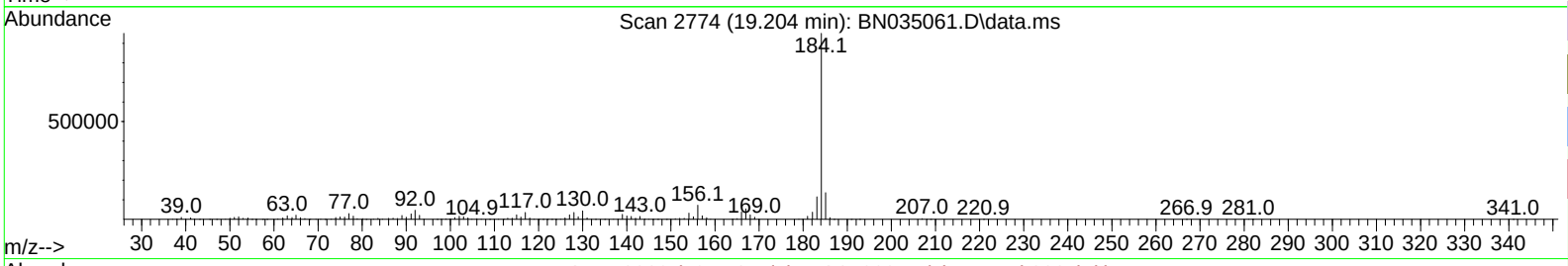
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	64.29
264.00	61.60	63.61
0.00	0.00	0.00

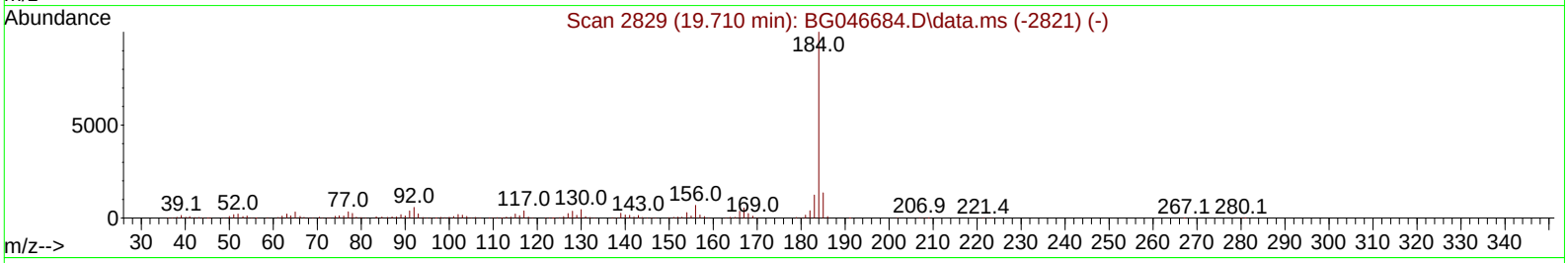
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035061.D
Acq On : 13 Nov 2024 12:01
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 14 15:14:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 09 04:05:27 2024
Response via : Initial Calibration







TIC: BN035061.D\data.ms

(77) Benzidine

19.204min (-0.000) 0.00 ng

response 1216684

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.30
183.00	13.20	12.08
0.00	0.00	0.00

Instrument :
BNA_N
ClientSampleId :
DFTPP

DDT Breakdown

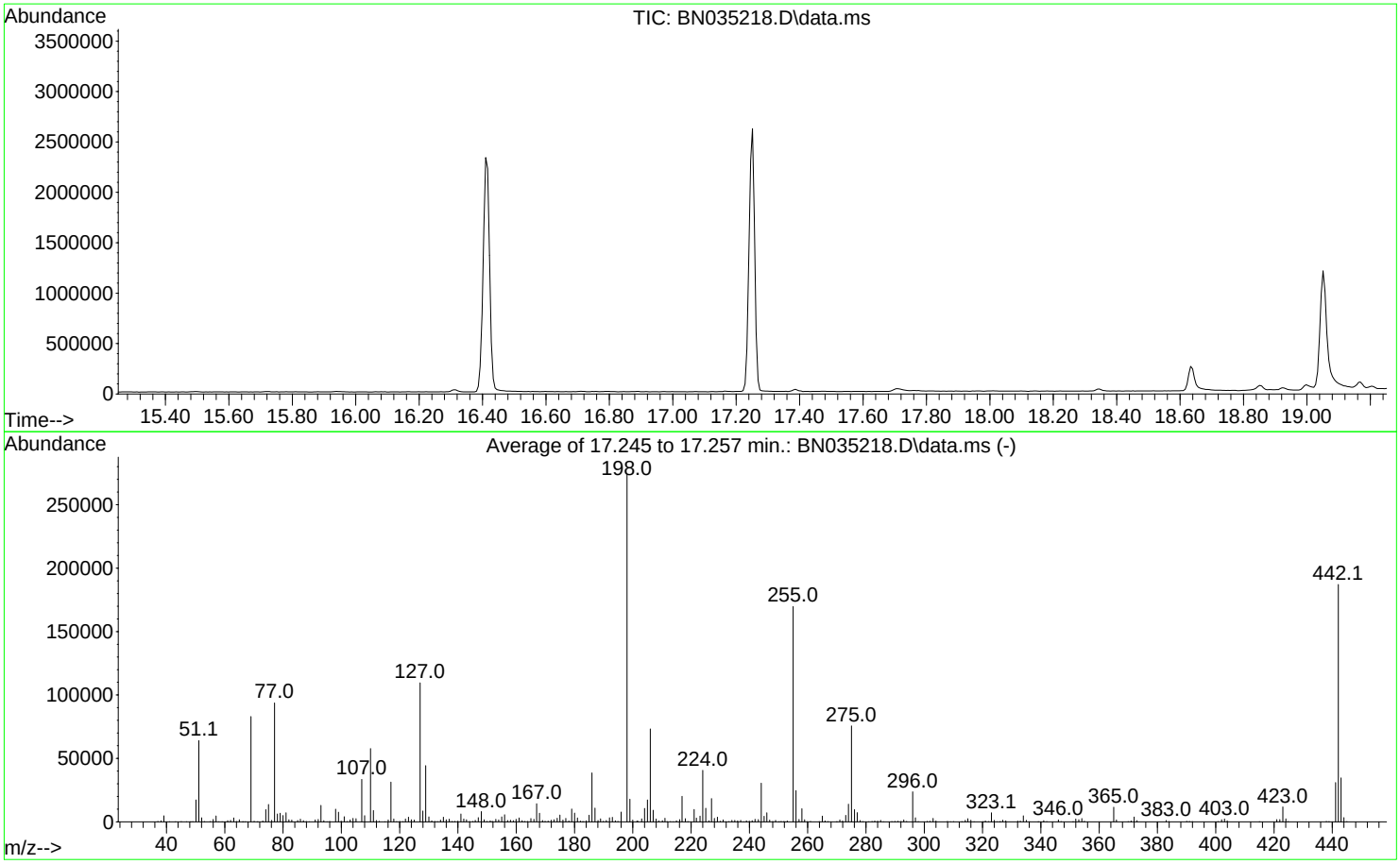
Date	Instrument Name	DFTPP Data File
11/13/2024	BNA_N	BN035561.D
Compound Name	**Response**	**Retention Time**
DDT	699321	20.445
DDD	6440	20.057
DDE	0	19.527
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6440	705761	0.91

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035218.D
Acq On : 21 Nov 2024 12:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 21 14:00:03 2024



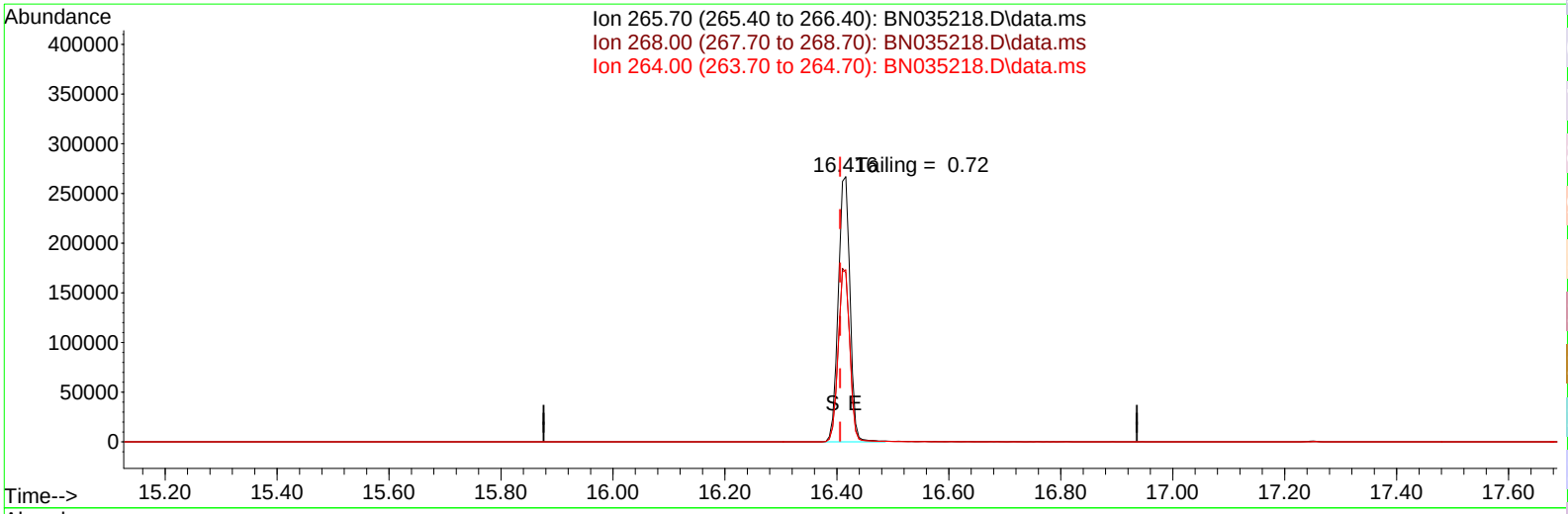
AutoFind: Scans 2441, 2442, 2443; Background Corrected with Scan 2434

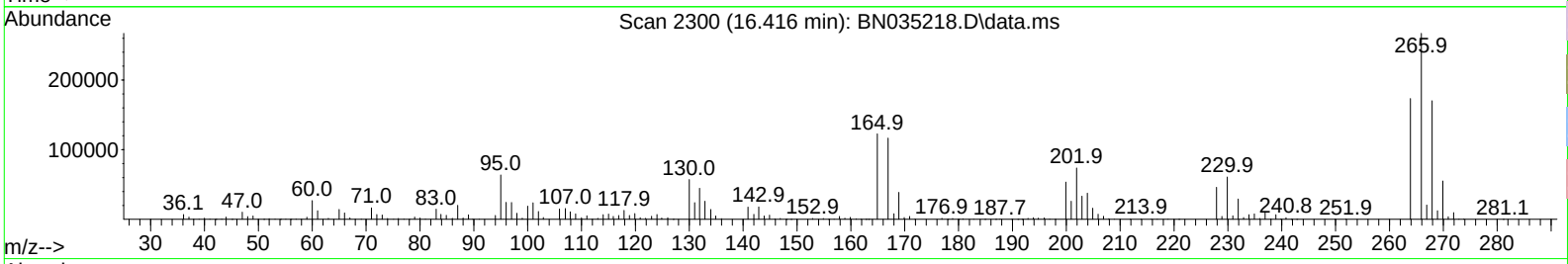
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	23.4	64069	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	30.3	82985	PASS
70	69	0.00	2	0.5	452	PASS
127	198	10	80	40.0	109557	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	273835	PASS
199	198	5	9	6.5	17904	PASS
275	198	10	60	27.6	75661	PASS
365	198	1	100	4.2	11505	PASS
441	198	0.01	100	11.3	30941	PASS
442	442	50	100	100.0	187179	PASS
443	442	15	24	18.5	34664	PASS

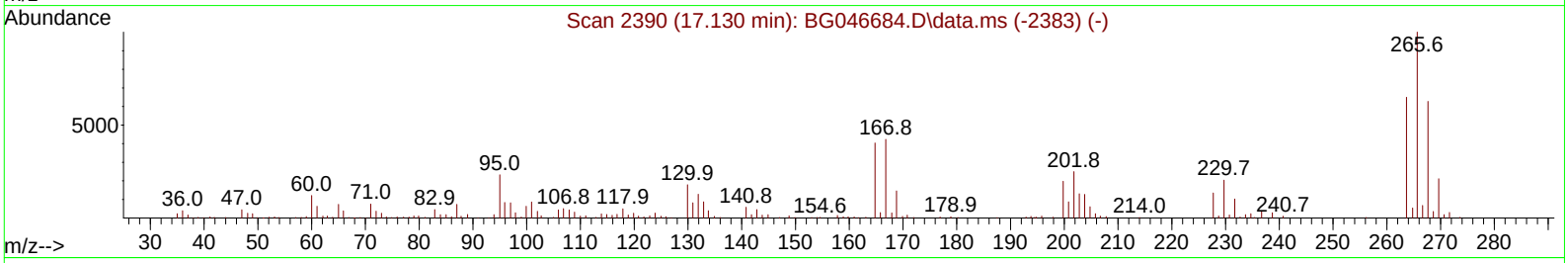
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035218.D
Acq On : 21 Nov 2024 12:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 21 15:34:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 03:21:56 2024
Response via : Initial Calibration







TIC: BN035218.D\data.ms

(70) Pentachlorophenol (C)

16.416min (+ 0.010) 32791.32 ng m

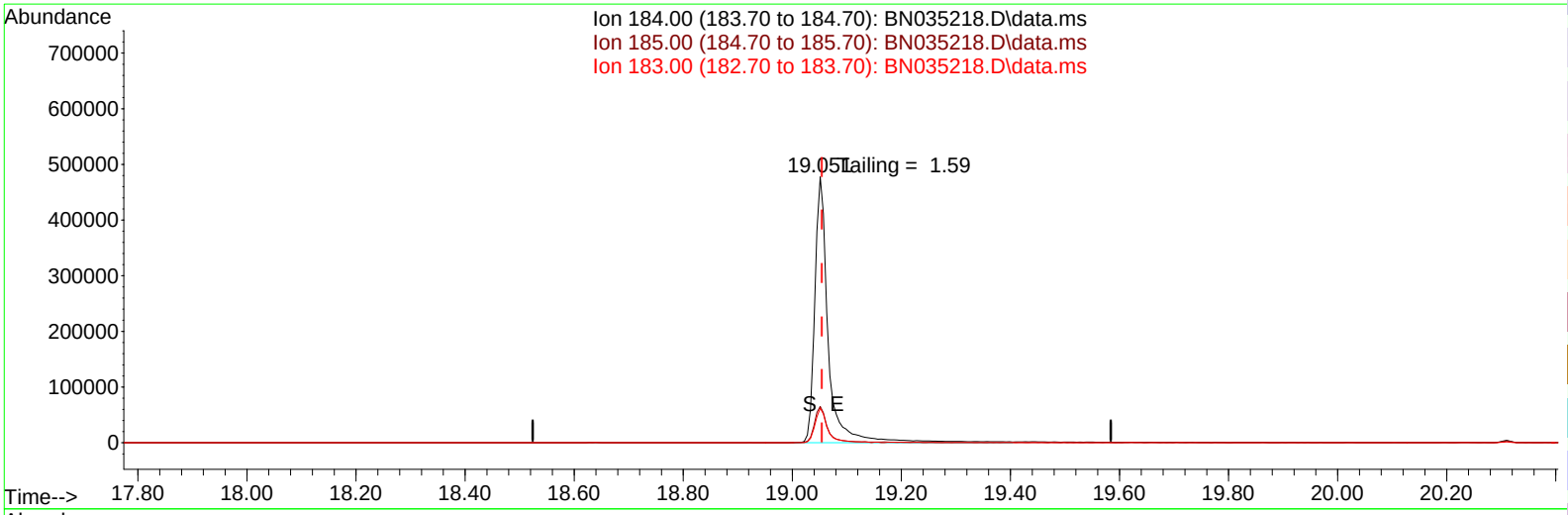
response 386007

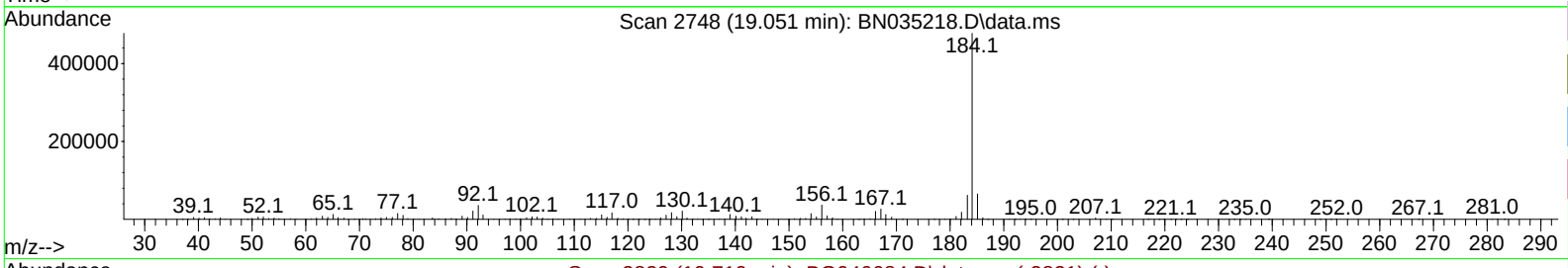
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	63.76
264.00	61.60	64.93
0.00	0.00	0.00

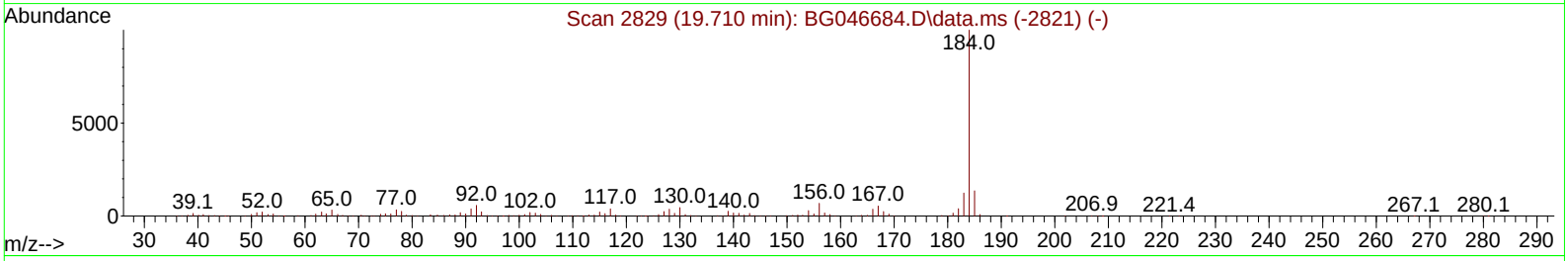
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035218.D
Acq On : 21 Nov 2024 12:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 21 15:39:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 03:21:56 2024
Response via : Initial Calibration







TIC: BN035218.D\data.ms

(77) Benzidine

19.051min (-0.003) 13099.41 ng m

response 829797

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	13.69
183.00	13.20	13.01
0.00	0.00	0.00

Instrument :
BNA_N
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/21/2024	BNA_N	BN035218.D
Compound Name	**Response**	**Retention Time**
DDT	699093	20.31
DDD	18584	19.863
DDE	951	19.351
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
19535	718628	2.72

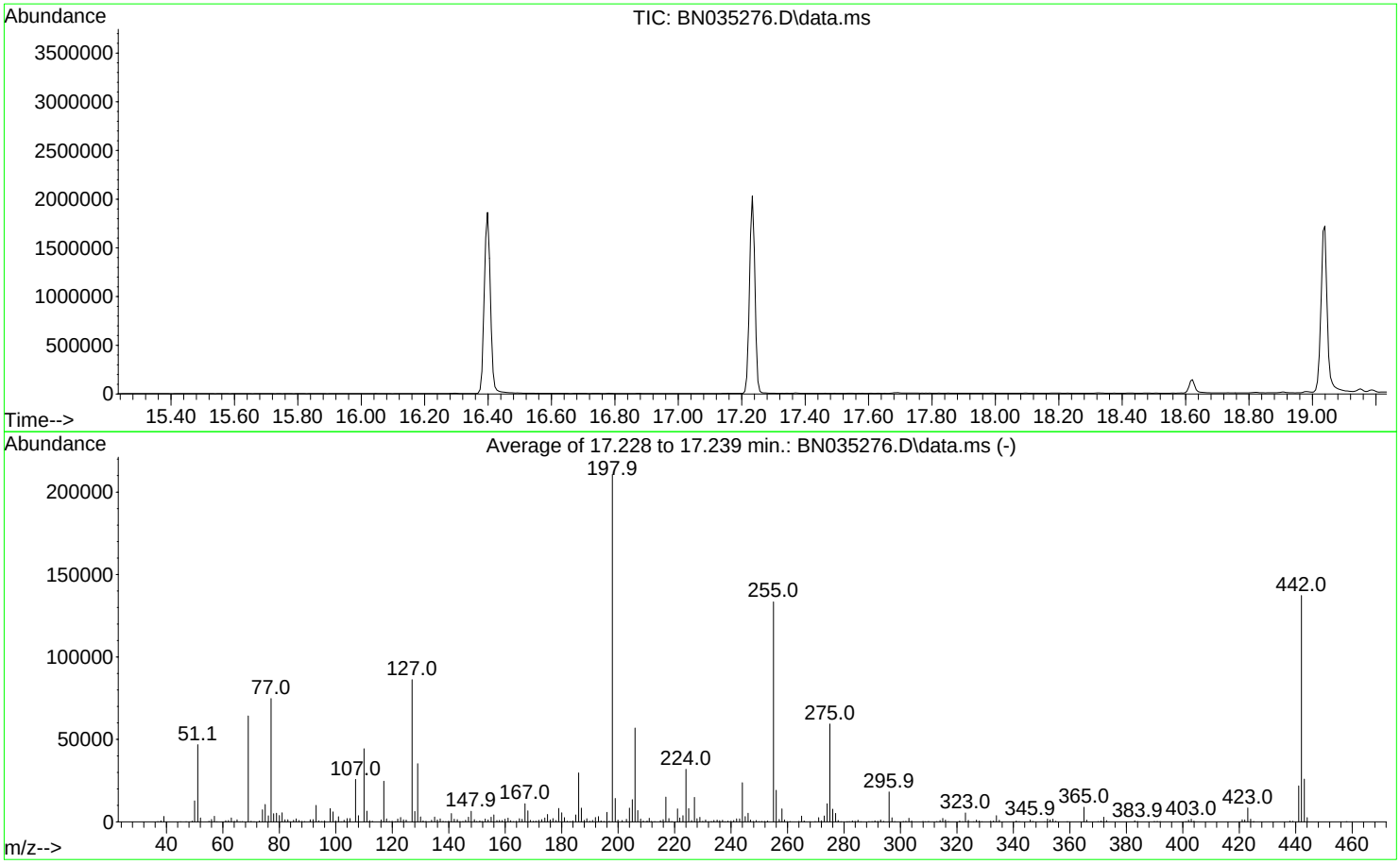
Sample Results: **BN035276.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035276.D
Acq On : 25 Nov 2024 09:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Nov 26 02:36:08 2024



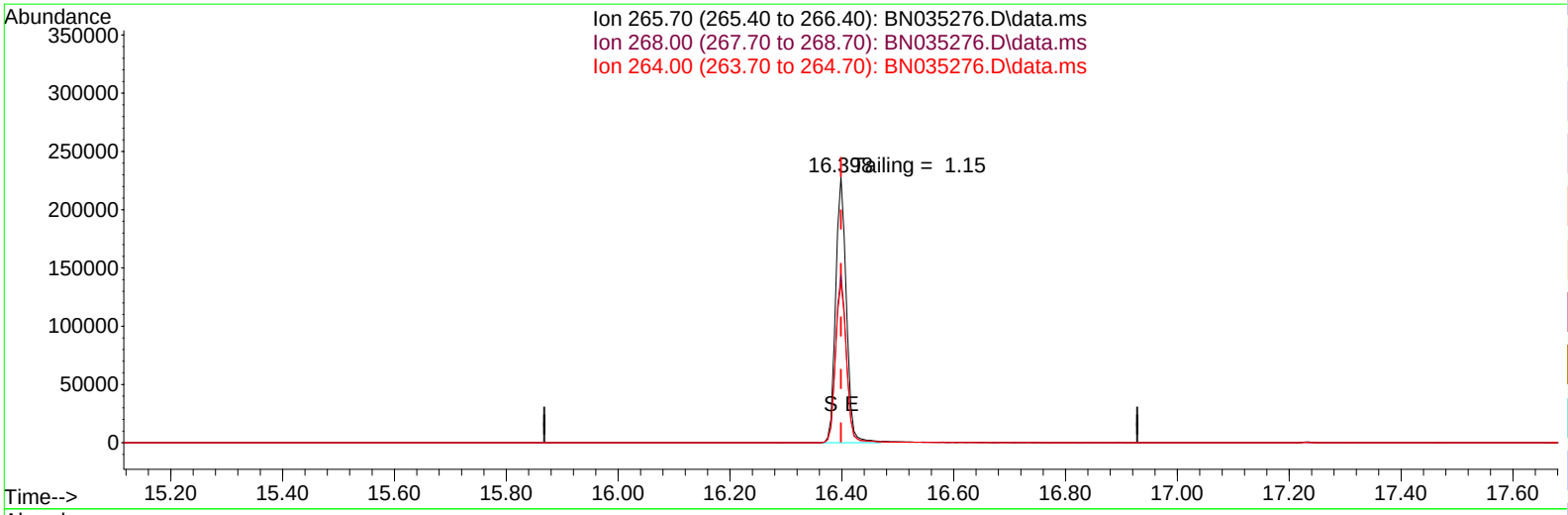
AutoFind: Scans 2438, 2439, 2440; Background Corrected with Scan 2431

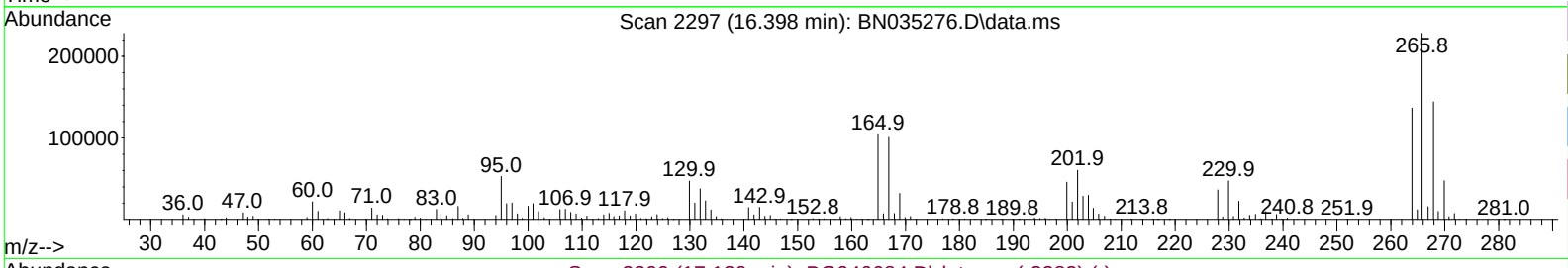
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	22.2	46795	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	30.5	64280	PASS
70	69	0.00	2	0.5	352	PASS
127	198	10	80	40.9	86240	PASS
197	198	0.00	2	0.2	340	PASS
198	198	100	100	100.0	210688	PASS
199	198	5	9	6.7	14182	PASS
275	198	10	60	28.2	59405	PASS
365	198	1	100	4.2	8892	PASS
441	198	0.01	100	10.4	21850	PASS
442	442	50	100	100.0	137299	PASS
443	442	15	24	18.9	25952	PASS

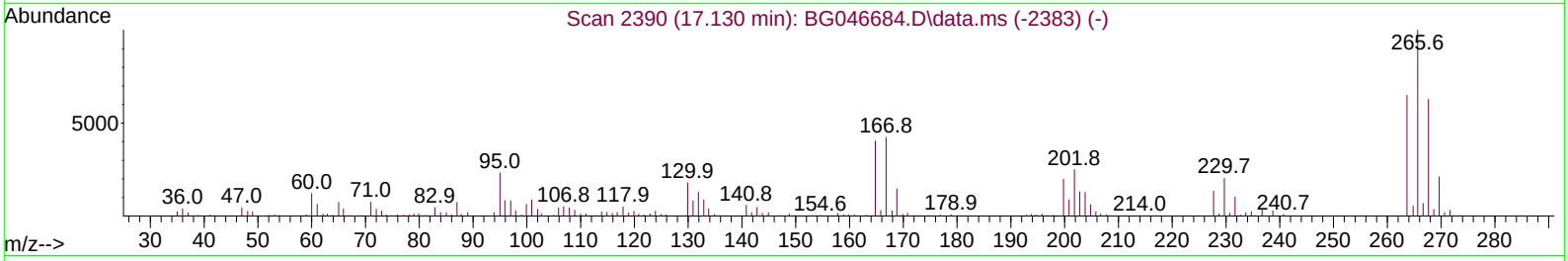
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035276.D
Acq On : 25 Nov 2024 09:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 26 05:17:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 05:17:50 2024
Response via : Initial Calibration







TIC: BN035276.D\data.ms

(70) Pentachlorophenol (C)

16.398min (0.000) 33730.33 ng

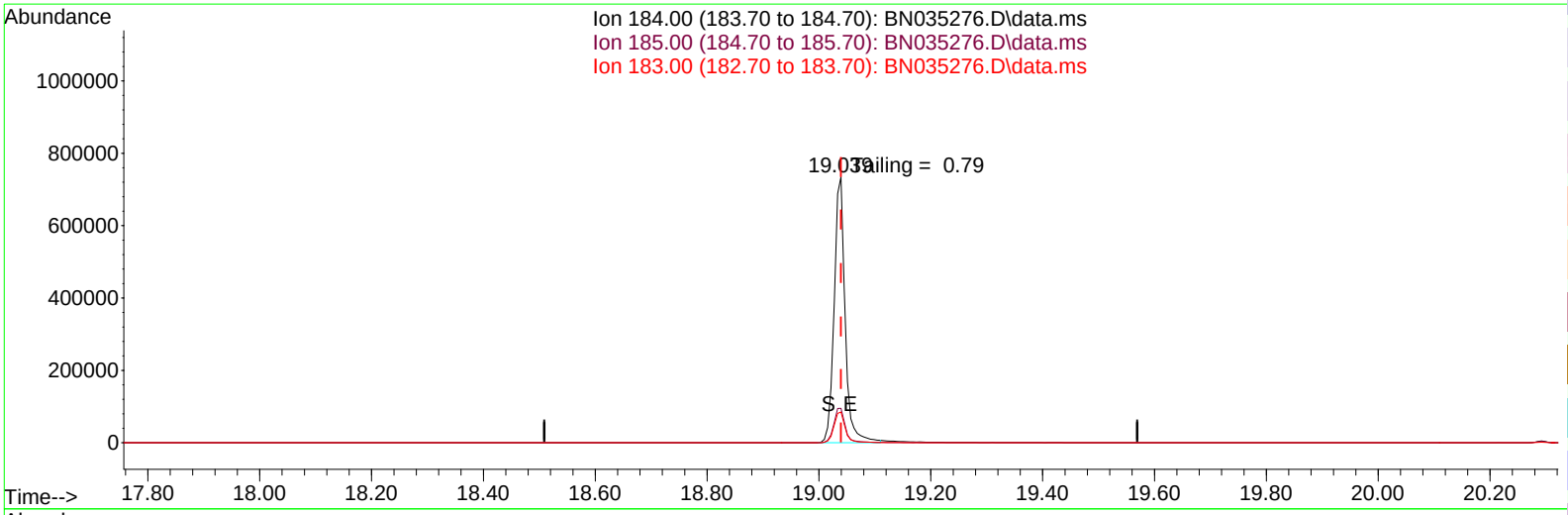
response 307325

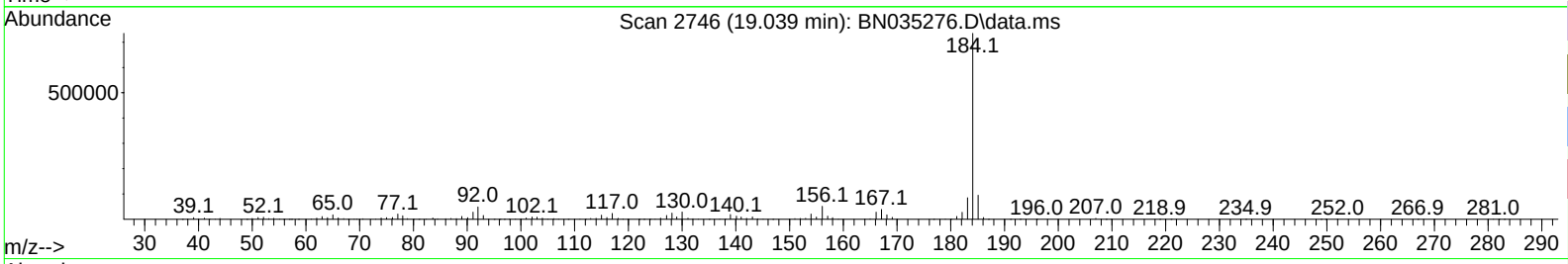
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	63.17
264.00	61.60	59.86
0.00	0.00	0.00

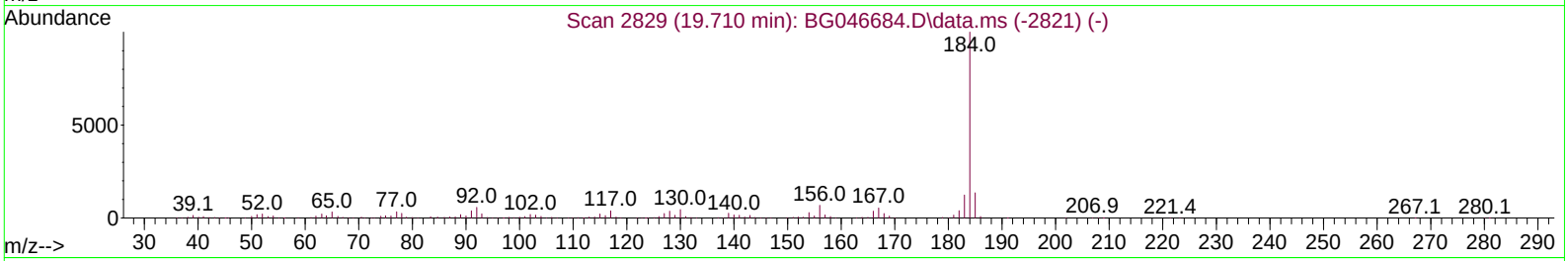
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035276.D
Acq On : 25 Nov 2024 09:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 26 05:17:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 05:17:50 2024
Response via : Initial Calibration







TIC: BN035276.D\data.ms

(77) Benzidine

19.039min (0.000) 0.00 ng

response 1018750

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	12.97
183.00	13.20	11.60
0.00	0.00	0.00

Instrument :
BNA_N
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/25/2024	BNA_N	BN035276.D
Compound Name	**Response**	**Retention Time**
DDT	703573	20.292
DDD	32612	19.845
DDE	1098	19.333
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
33710	737283	4.57

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	CTO WE13			Date Received:	
Client Sample ID:	PB165150BL			SDG No.:	P4934
Lab Sample ID:	PB165150BL			Matrix:	Water
Analytical Method:	SW8270SIM			% 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 :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035285.D	1	11/21/24 08:27	11/25/24 15:44	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.38		30 - 150		94%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		81%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.20	*	55 - 111		50%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.73	*	53 - 106		183%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.32		58 - 132		79%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3590	7.315				
1146-65-2	Naphthalene-d8	7820	10.063				
15067-26-2	Acenaphthene-d10	3950	13.976				
1517-22-2	Phenanthrene-d10	8150	16.734				
1719-03-5	Chrysene-d12	804	21.008				
1520-96-3	Perylene-d12	4510	23.081				

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\BN112524\
Data File : BN035285.D
Acq On : 25 Nov 2024 15:44
Operator : RC/JU
Sample : PB165150BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB165150BL

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 26 01:59:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	3592	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	7815	0.400	ng	0.00
13) Acenaphthene-d10	13.976	164	3951	0.400	ng	0.00
19) Phenanthrene-d10	16.734	188	8151	0.400	ng	0.00
29) Chrysene-d12	21.008	240	804	0.400	ng	# 0.00
35) Perylene-d12	23.081	264	4507	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.975	112	2542	0.375	ng	0.00
5) Phenol-d6	6.520	99	3467	0.366	ng	0.00
8) Nitrobenzene-d5	8.450	82	1253m	0.198	ng	0.00
11) 2-Methylnaphthalene-d10	11.667	152	4135	0.378	ng	0.00
14) 2,4,6-Tribromophenol	15.494	330	137	0.068	ng	0.01
15) 2-Fluorobiphenyl	12.608	172	1594	0.730	ng	0.00
27) Fluoranthene-d10	18.792	212	7109	0.326	ng	0.00
31) Terphenyl-d14	19.419	244	4697	0.316	ng	0.00
Target Compounds						Qvalue

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

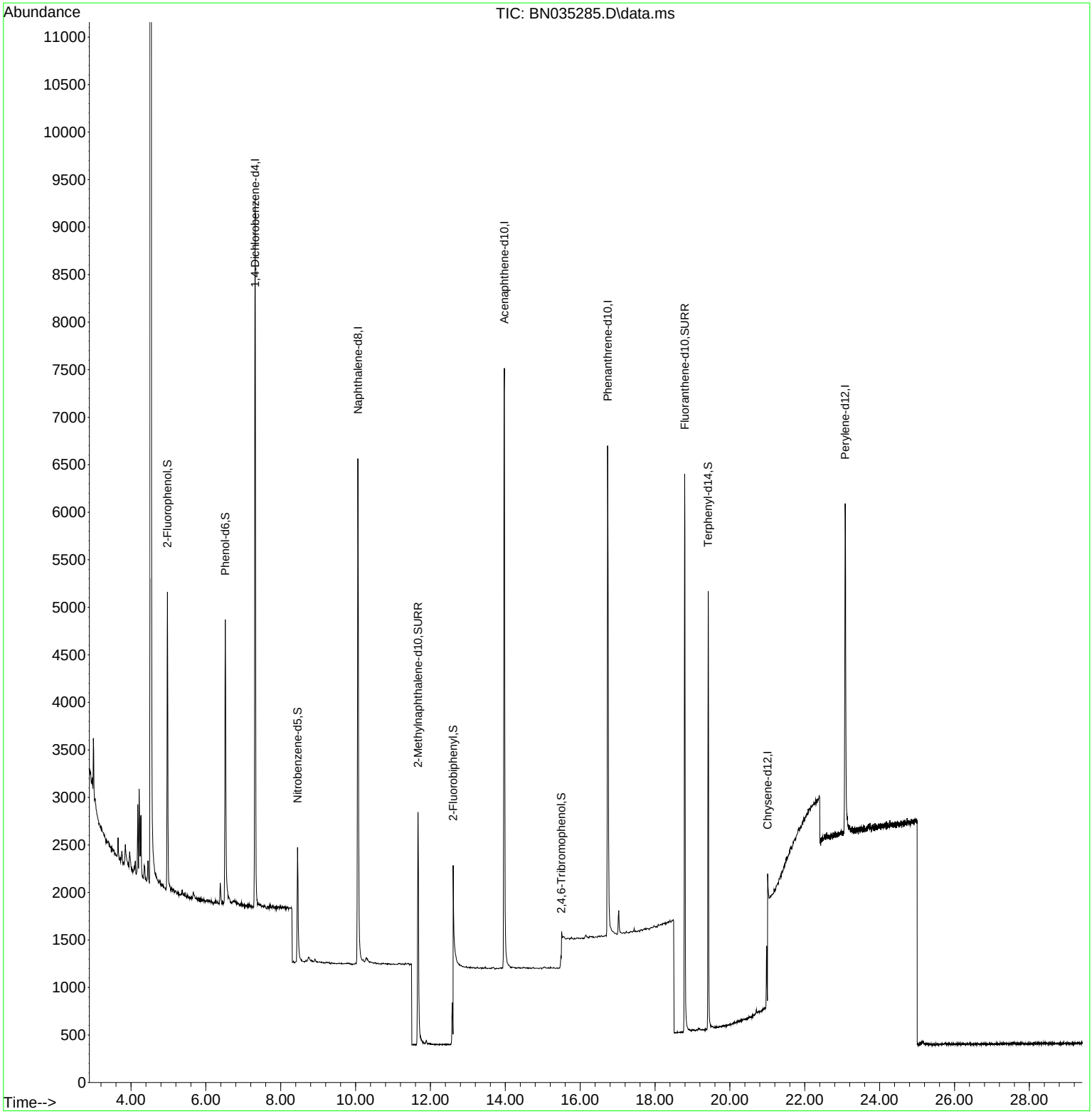
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035285.D
Acq On : 25 Nov 2024 15:44
Operator : RC/JU
Sample : PB165150BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

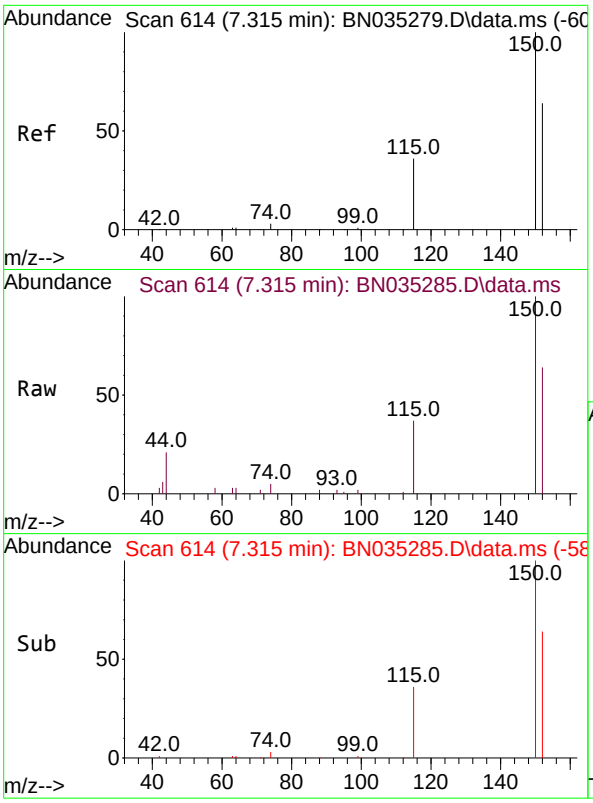
Quant Time: Nov 26 01:59:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB165150BL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

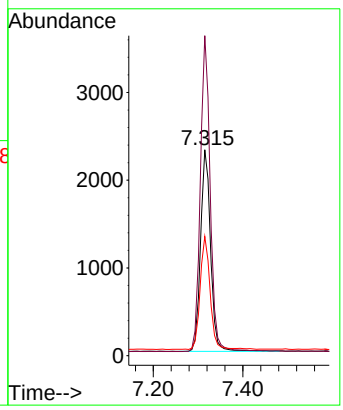




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

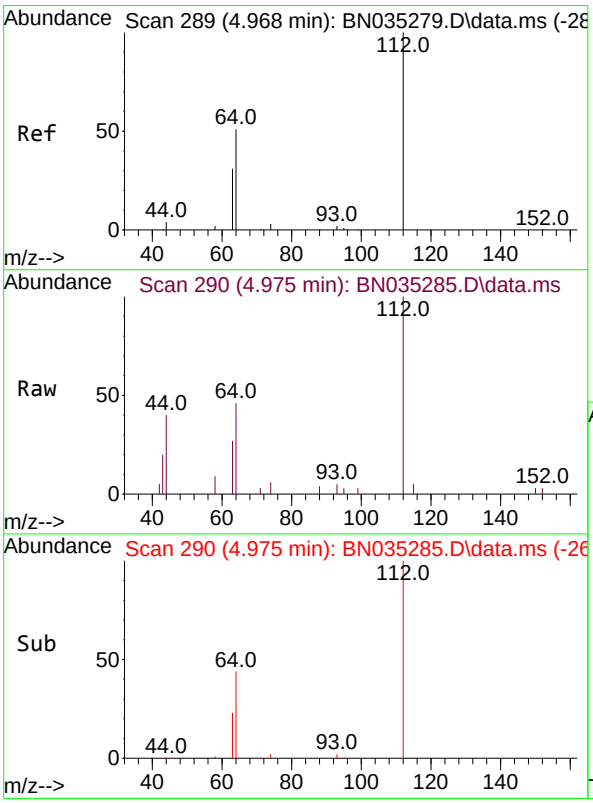
Tgt Ion:152 Resp: 359

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.5	186.7
115	57.9	47.8	71.8



Instrument :
BNA_N
ClientSampleId :
PB165150BL

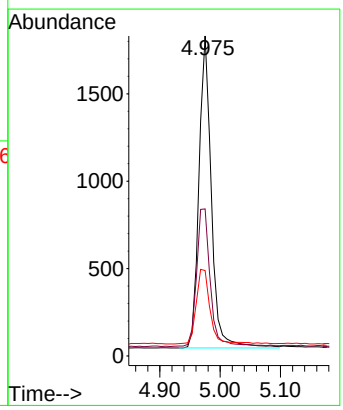
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

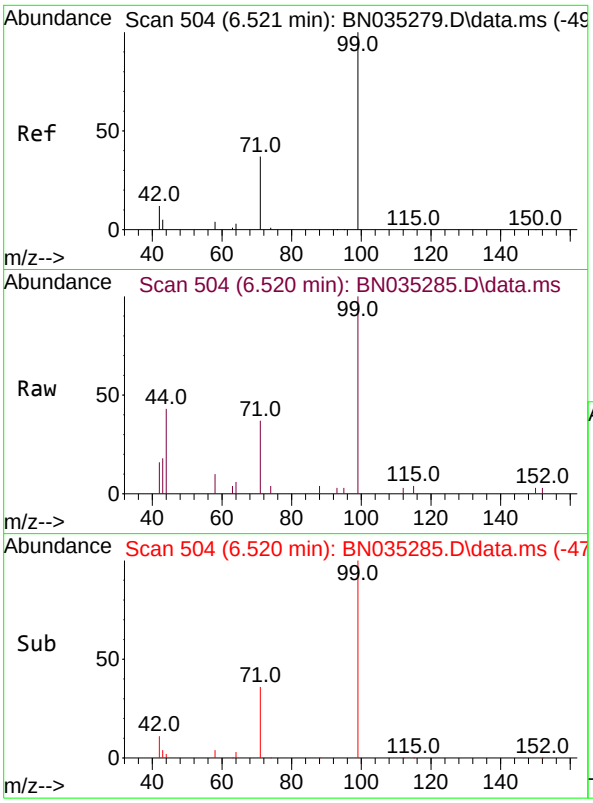


#4
2-Fluorophenol
Concen: 0.375 ng
RT: 4.975 min Scan# 290
Delta R.T. 0.007 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Tgt Ion:112 Resp: 2542

Ion	Ratio	Lower	Upper
112	100		
64	48.7	40.4	60.6
63	26.7	23.8	35.8

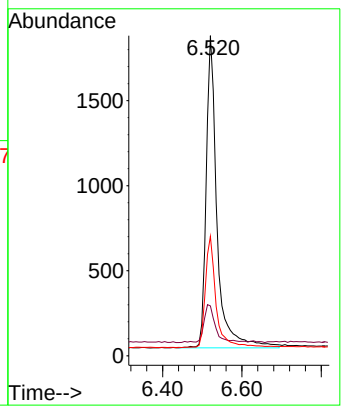




#5
Phenol-d6
Concen: 0.366 ng
RT: 6.520 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Tgt Ion: 99 Resp: 346

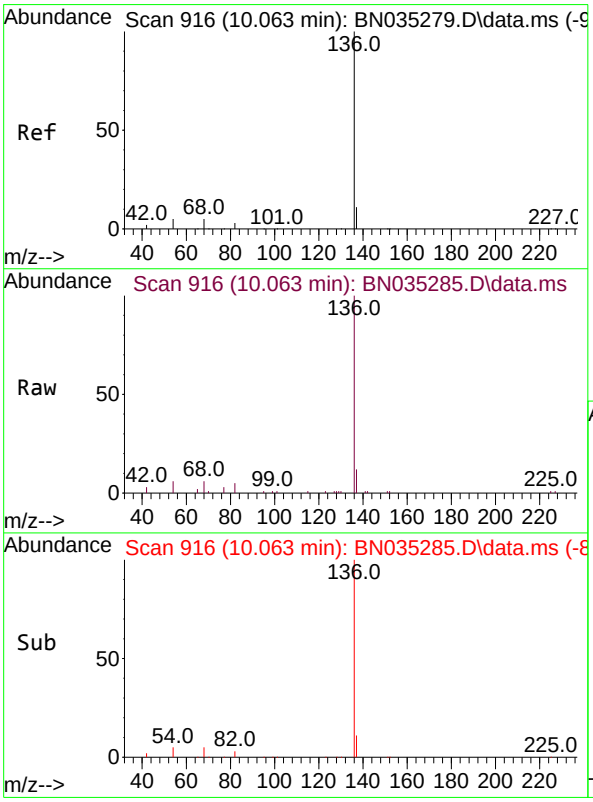
Ion	Ratio	Lower	Upper
99	100		
42	12.2	12.8	19.2#
71	35.5	31.4	47.2



Instrument :
BNA_N
ClientSampleId :
PB165150BL

Manual Integrations
APPROVED

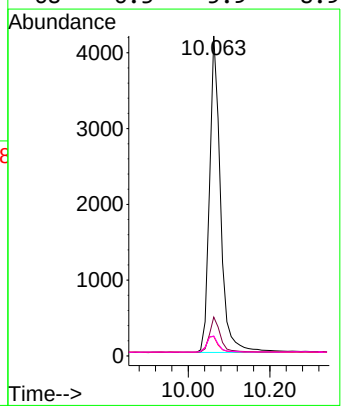
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

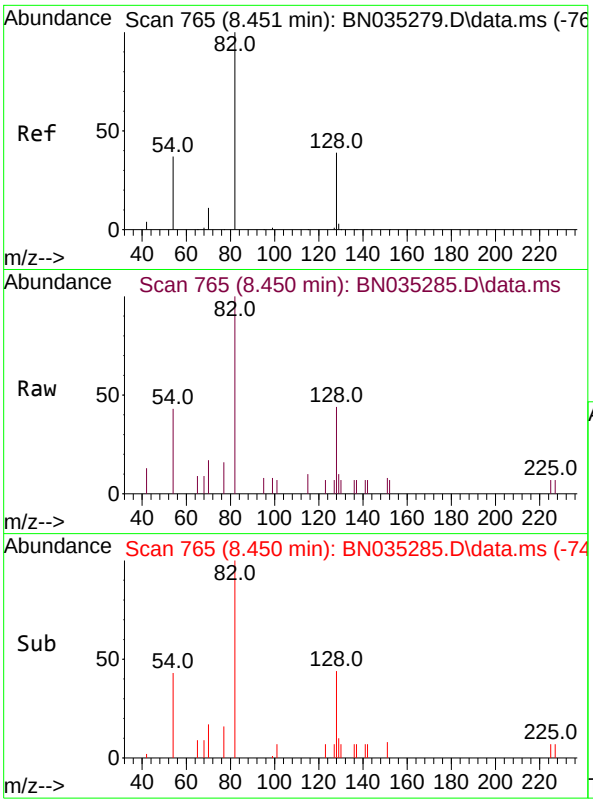


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Tgt Ion:136 Resp: 7815

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.7	14.5
54	6.1	5.3	7.9
68	6.3	5.9	8.9

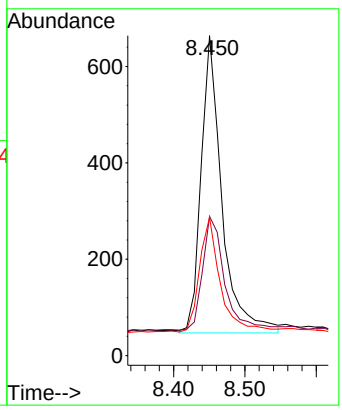




#8
Nitrobenzene-d5
Concen: 0.198 ng m
RT: 8.450 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Tgt Ion: 82 Resp: 125

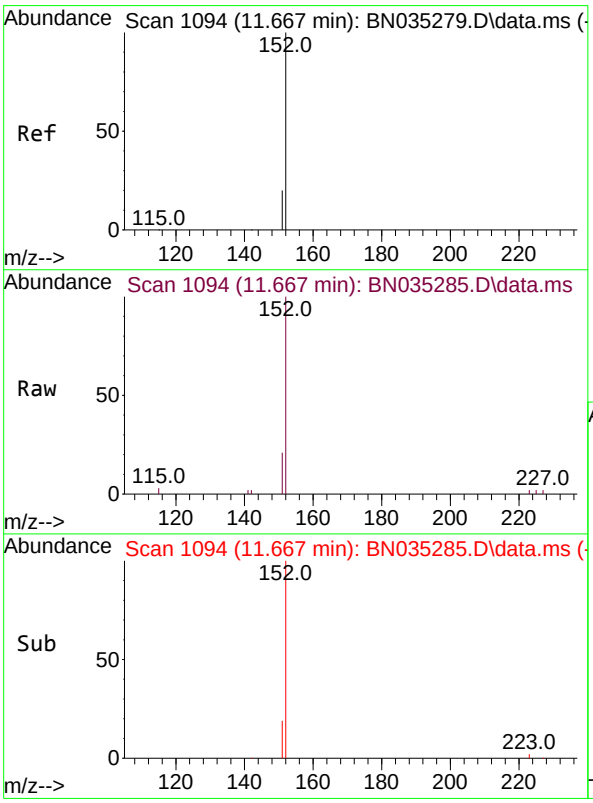
Ion	Ratio	Lower	Upper
82	100		
128	43.5	33.0	49.4
54	43.2	33.3	49.9



Instrument :
BNA_N
ClientSampleId :
PB165150BL

Manual Integrations
APPROVED

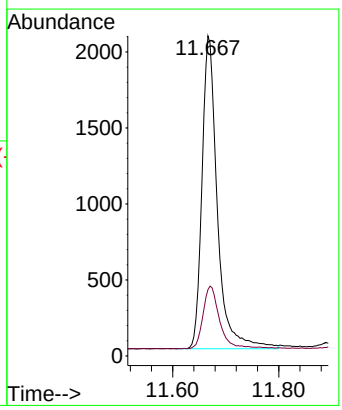
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

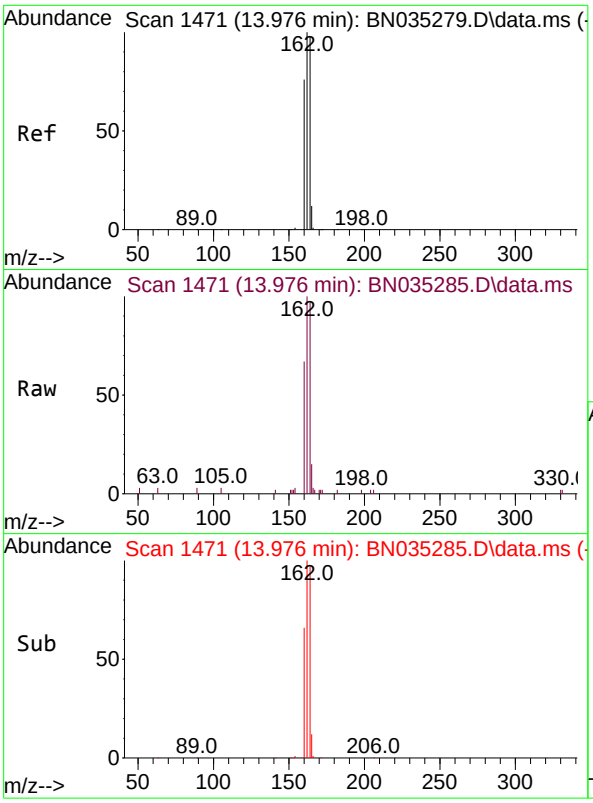


#11
2-Methylnaphthalene-d10
Concen: 0.378 ng
RT: 11.667 min Scan# 1094
Delta R.T. -0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Tgt Ion:152 Resp: 4135

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.2	25.8

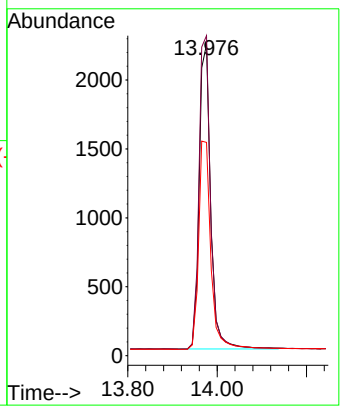




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Tgt Ion:164 Resp: 395

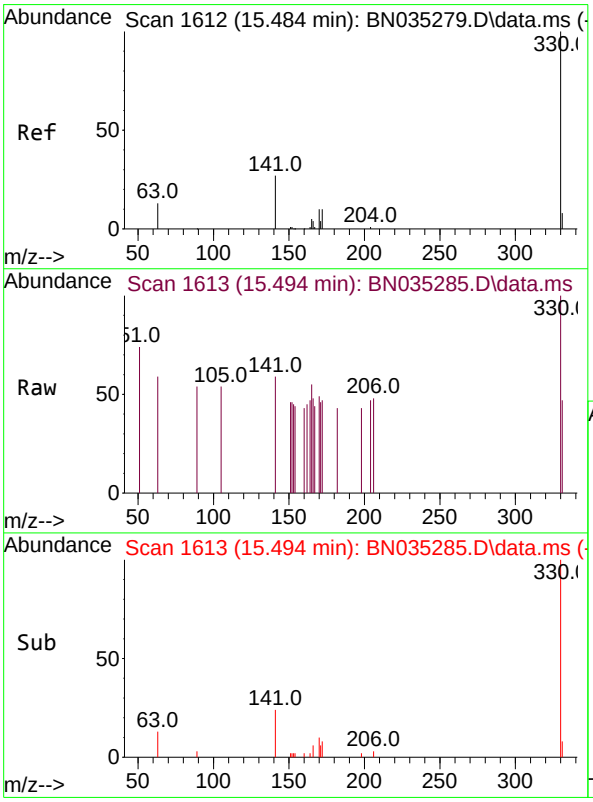
Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.0	123.0
160	68.5	63.0	94.4



Instrument :
BNA_N
ClientSampleId :
PB165150BL

Manual Integrations
APPROVED

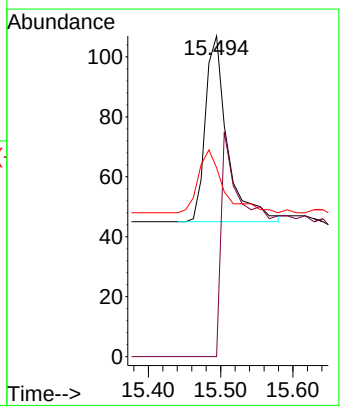
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

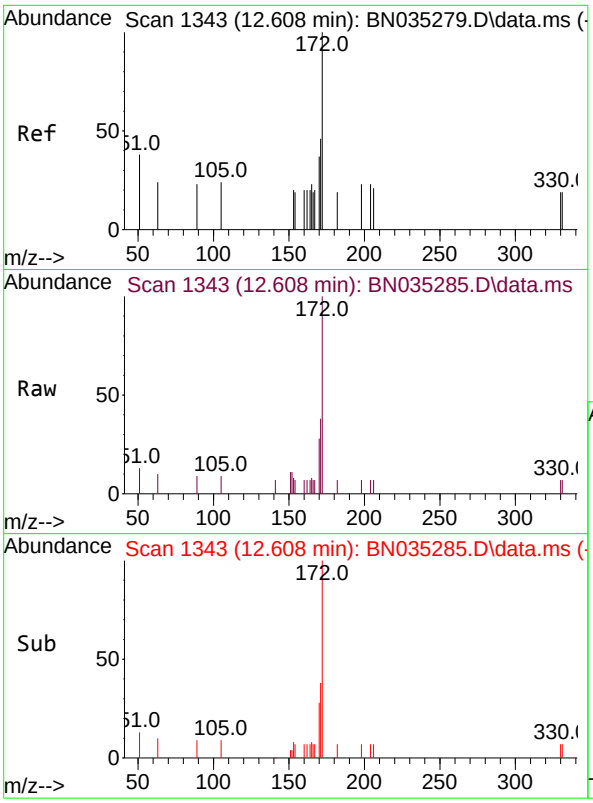


#14
2,4,6-Tribromophenol
Concen: 0.068 ng
RT: 15.494 min Scan# 1613
Delta R.T. 0.010 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Tgt Ion:330 Resp: 137

Ion	Ratio	Lower	Upper
330	100		
332	197.1	0.0	0.0#
141	0.0	32.4	48.6#

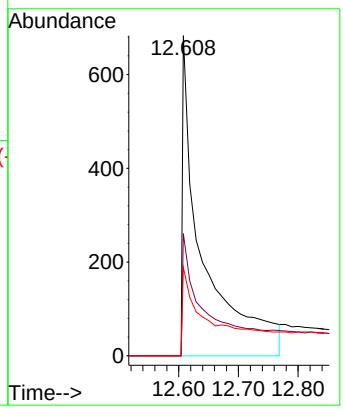




#15
2-Fluorobiphenyl
Concen: 0.730 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Tgt Ion:172 Resp: 159

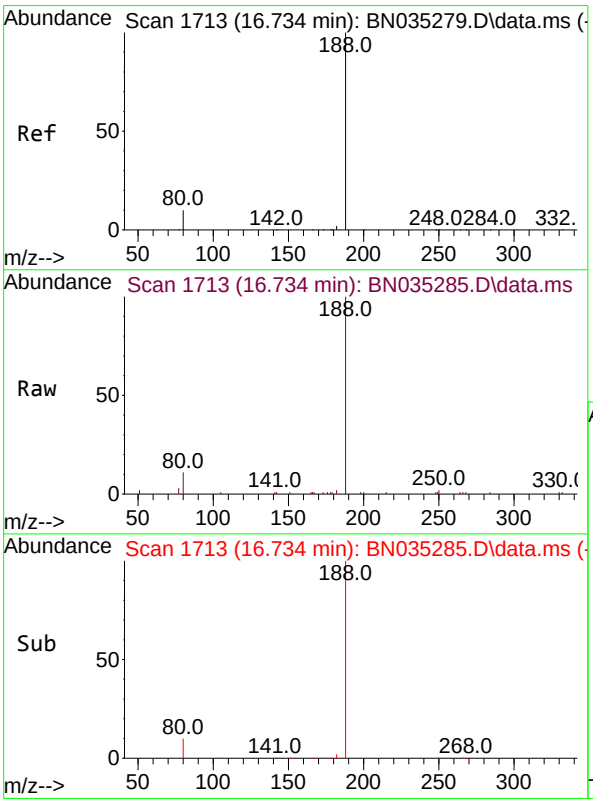
Ion	Ratio	Lower	Upper
172	100		
171	38.2	36.6	55.0
170	27.7	29.7	44.5



Instrument :
BNA_N
ClientSampleId :
PB165150BL

Manual Integrations
APPROVED

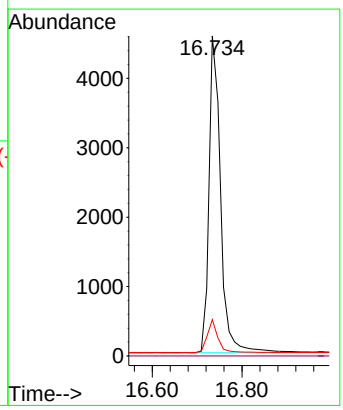
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

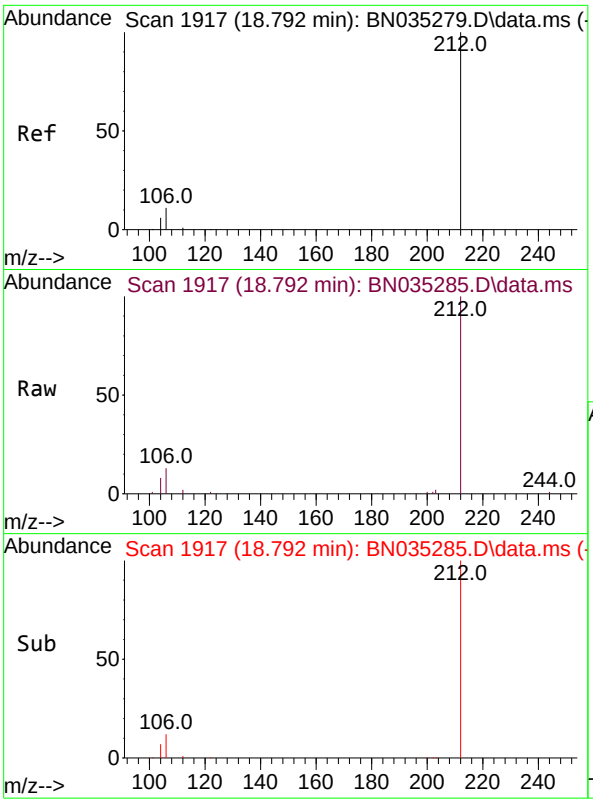


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Tgt Ion:188 Resp: 8151

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.3	8.9	13.3

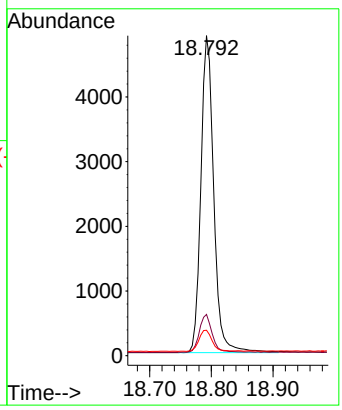




#27
Fluoranthene-d10
Concen: 0.326 ng
RT: 18.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Tgt Ion:212 Resp: 710

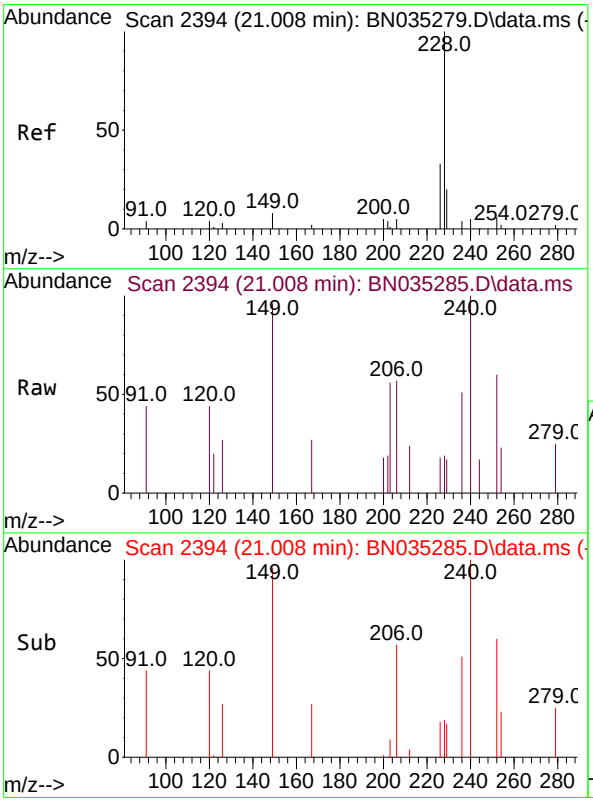
Ion	Ratio	Lower	Upper
212	100		
106	12.0	9.8	14.8
104	6.7	5.6	8.4



Instrument :
BNA_N
ClientSampleId :
PB165150BL

Manual Integrations
APPROVED

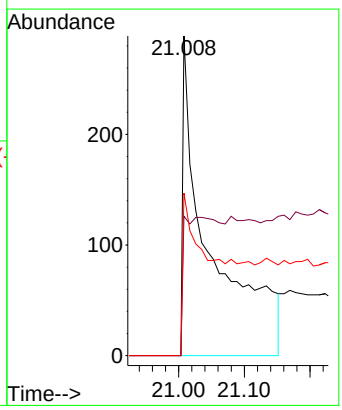
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

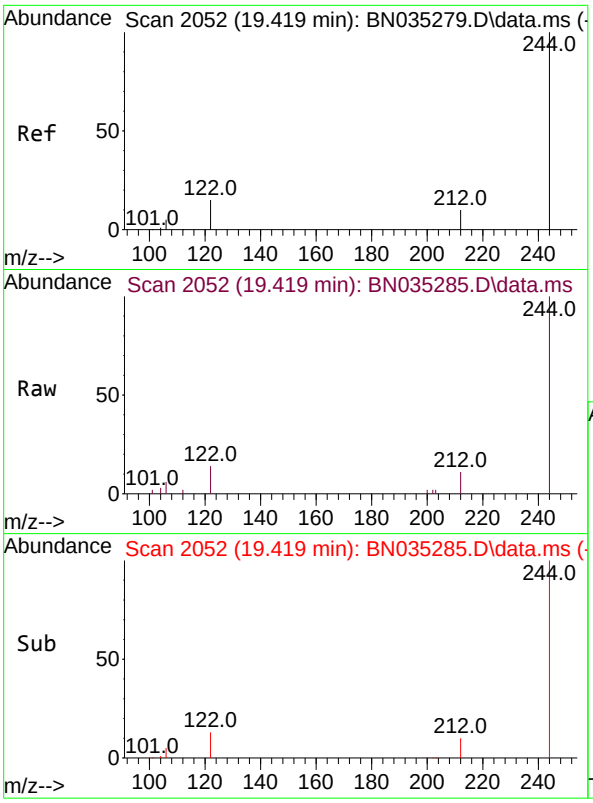


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Tgt Ion:240 Resp: 804

Ion	Ratio	Lower	Upper
240	100		
120	43.6	54.9	82.3#
236	50.9	54.0	81.0#





#31
Terphenyl-d14
Concen: 0.316 ng
RT: 19.419 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

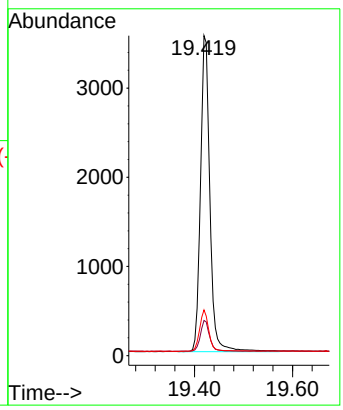
Tgt Ion:244 Resp: 469

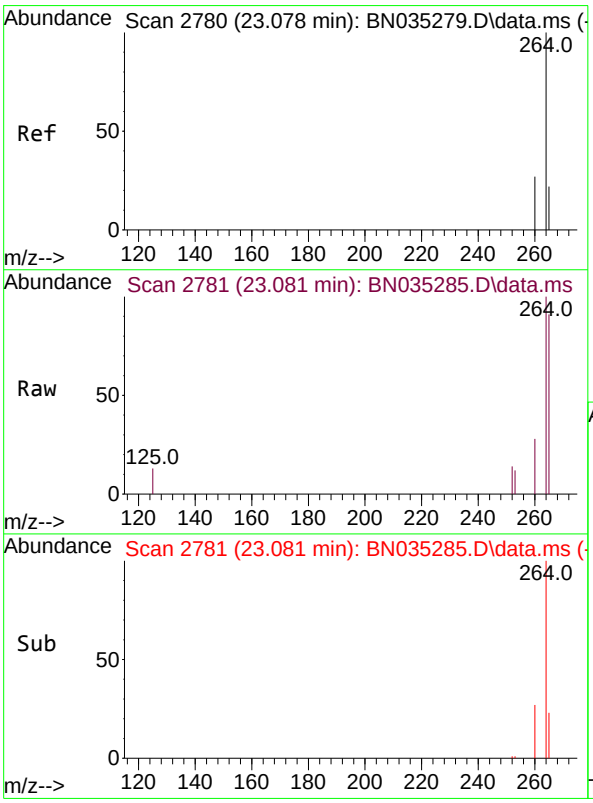
Ion	Ratio	Lower	Upper
244	100		
212	11.0	9.4	14.0
122	14.3	13.0	19.4

Instrument :
BNA_N
ClientSampleId :
PB165150BL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

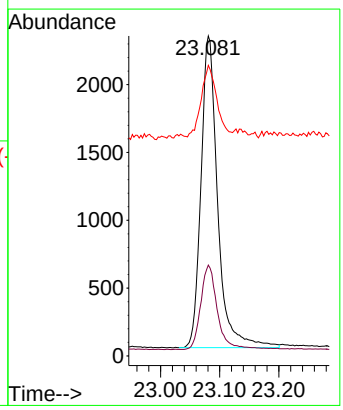




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.081 min Scan# 2781
Delta R.T. 0.003 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Tgt Ion:264 Resp: 4507

Ion	Ratio	Lower	Upper
264	100		
260	28.4	22.3	33.5
265	90.8	68.6	103.0



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	CTO WE13			Date Received:	
Client Sample ID:	PB165150BS			SDG No.:	P4934
Lab Sample ID:	PB165150BS			Matrix:	Water
Analytical Method:	SW8270SIM			% 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 :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035290.D	1	11/21/24 08:27	11/25/24 18:44	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.45		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.48		30 - 150		121%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 - 150		87%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.23		55 - 111		57%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.27		53 - 106		68%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		58 - 132		115%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3630	7.315				
1146-65-2	Naphthalene-d8	8520	10.063				
15067-26-2	Acenaphthene-d10	4790	13.966				
1517-22-2	Phenanthrene-d10	9610	16.734				
1719-03-5	Chrysene-d12	730	21.008				
1520-96-3	Perylene-d12	5490	23.081				

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\BN112524\
Data File : BN035290.D
Acq On : 25 Nov 2024 18:44
Operator : RC/JU
Sample : PB165150BS
Misc :
ALS Vial : 66 Sample Multiplier: 1

Quant Time: Nov 26 03:32:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	3630	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	8519	0.400	ng	# 0.00
13) Acenaphthene-d10	13.966	164	4791	0.400	ng	#-0.01
19) Phenanthrene-d10	16.734	188	9614	0.400	ng	0.00
29) Chrysene-d12	21.008	240	730	0.400	ng	0.00
35) Perylene-d12	23.081	264	5488	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.975	112	2994	0.437	ng	0.00
5) Phenol-d6	6.520	99	3620	0.378	ng	0.00
8) Nitrobenzene-d5	8.450	82	1584m	0.229	ng	0.00
11) 2-Methylnaphthalene-d10	11.663	152	5762	0.483	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	538	0.220	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	722	0.273	ng	0.00
27) Fluoranthene-d10	18.792	212	8963	0.348	ng	0.00
31) Terphenyl-d14	19.419	244	6215	0.461	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	1166	0.447	ng	# 87
3) n-Nitrosodimethylamine	3.292	42	1003	0.371	ng	# 74
6) bis(2-Chloroethyl)ether	6.766	93	3531	0.438	ng	94
9) Naphthalene	10.105	128	8426	0.356	ng	99
10) Hexachlorobutadiene	10.415	225	1969	0.296	ng	# 100
12) 2-Methylnaphthalene	11.742	142	5618	0.363	ng	99
16) Acenaphthylene	13.688	152	8047	0.334	ng	100
17) Acenaphthene	14.030	154	5138	0.338	ng	# 87
18) Fluorene	15.035	166	6631	0.312	ng	98
20) 4,6-Dinitro-2-methylph...	15.131	198	262	0.378	ng	95
21) 4-Bromophenyl-phenylether	15.939	248	2264	0.371	ng	97
22) Hexachlorobenzene	16.051	284	2814	0.322	ng	98
23) Atrazine	16.237	200	929	0.362	ng	97
24) Pentachlorophenol	16.399	266	706	0.337	ng	97
25) Phenanthrene	16.771	178	10143	0.343	ng	100
26) Anthracene	16.870	178	8875	0.350	ng	99
28) Fluoranthene	18.820	202	10421	0.280	ng	99
30) Pyrene	19.187	202	9974	0.376	ng	99
32) Benzo(a)anthracene	21.017	228	8490	0.334	ng	99
33) Chrysene	21.017	228	8490	0.334	ng	99
34) Bis(2-ethylhexyl)phtha...	21.008	149	560	0.401	ng	# 62
36) Indeno(1,2,3-cd)pyrene	25.124	276	8459	0.376	ng	99
37) Benzo(b)fluoranthene	22.464	252	7319	0.307	ng	98
38) Benzo(k)fluoranthene	22.505	252	8291	0.329	ng	98
39) Benzo(a)pyrene	22.990	252	6610	0.363	ng	98
40) Dibenzo(a,h)anthracene	25.142	278	6393	0.376	ng	97
41) Benzo(g,h,i)perylene	25.741	276	7117	0.362	ng	98

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

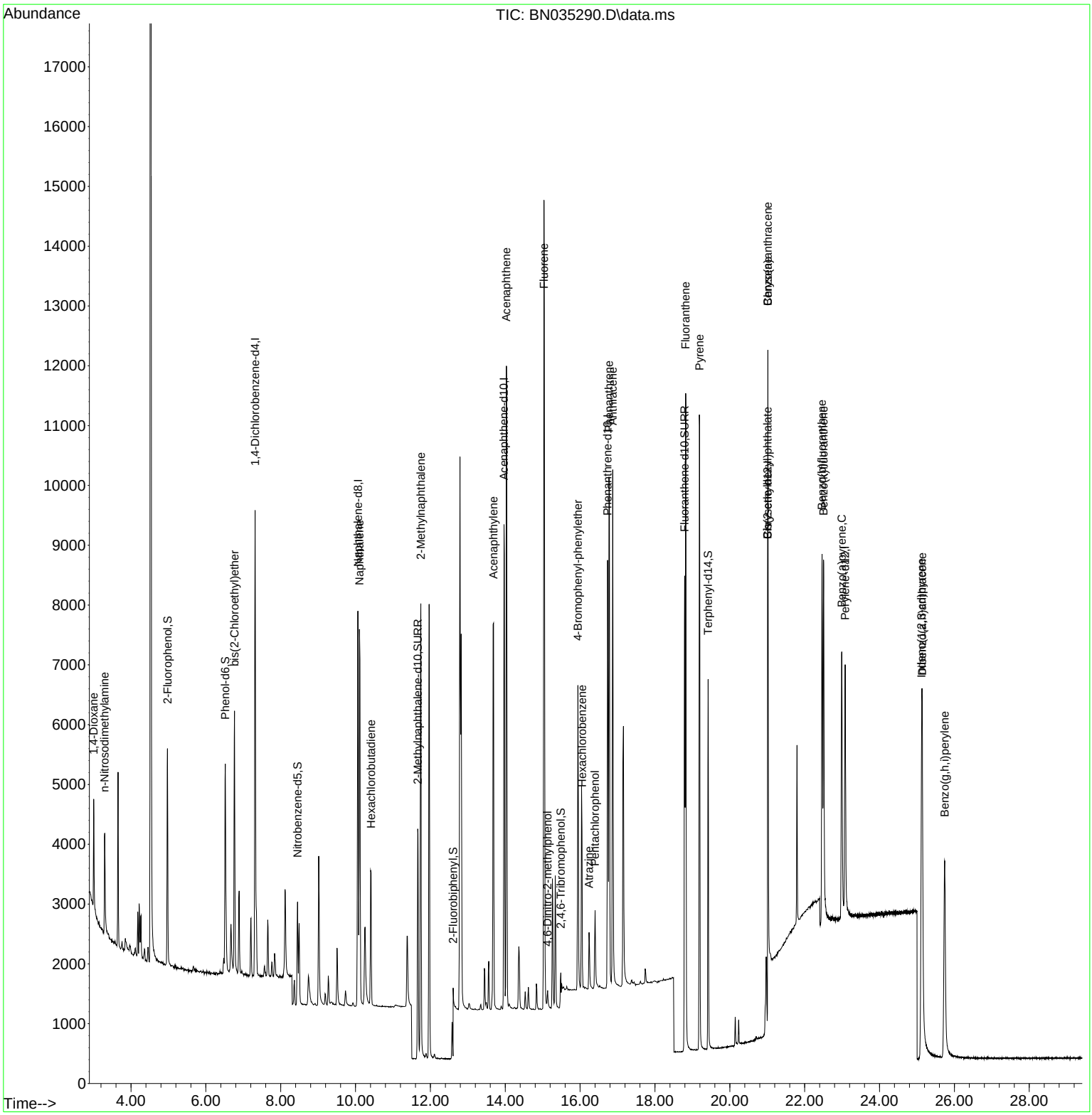
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035290.D
Acq On : 25 Nov 2024 18:44
Operator : RC/JU
Sample : PB165150BS
Misc :
ALS Vial : 66 Sample Multiplier: 1

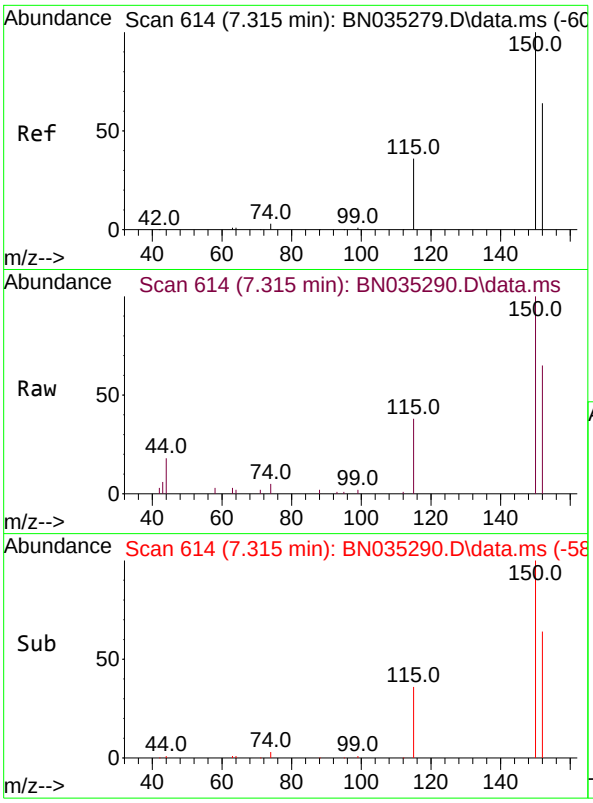
Quant Time: Nov 26 03:32:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

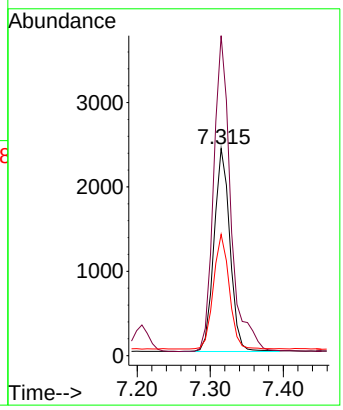




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:152 Resp: 363

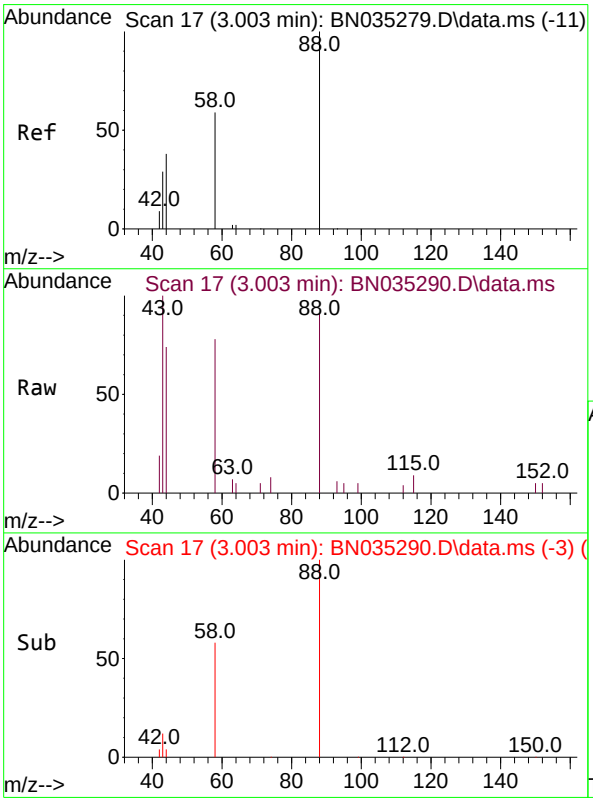
Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.5	186.7
115	58.5	47.8	71.8



Instrument :
BNA_N
ClientSampleId :
PB165150BS

Manual Integrations
APPROVED

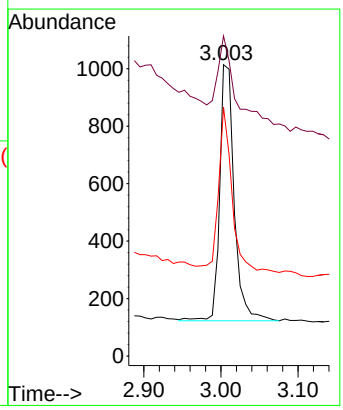
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

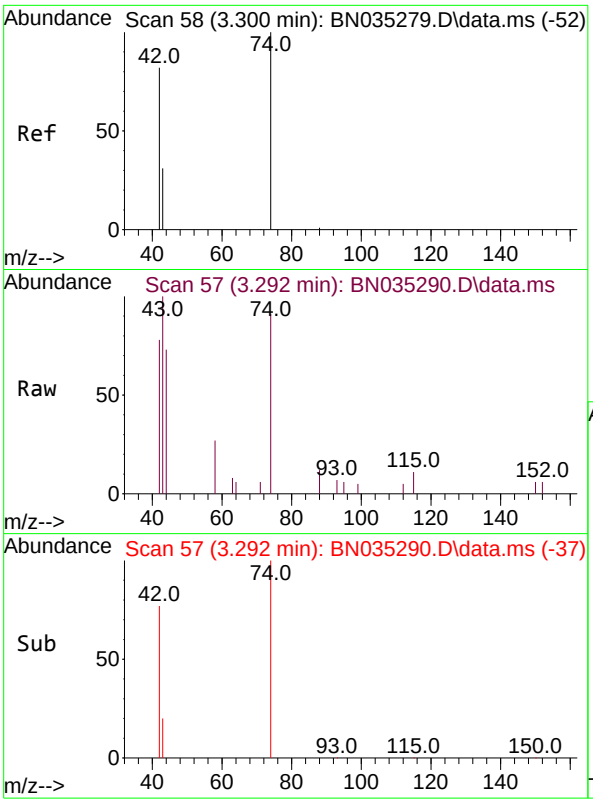


#2
1,4-Dioxane
Concen: 0.447 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion: 88 Resp: 1166

Ion	Ratio	Lower	Upper
88	100		
43	41.9	48.1	72.1#
58	59.9	46.9	70.3

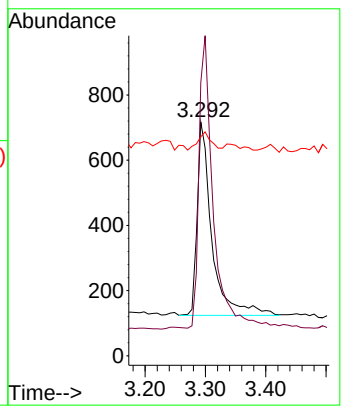




#3
n-Nitrosodimethylamine
Concen: 0.371 ng
RT: 3.292 min Scan# 5
Delta R.T. -0.008 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion: 42 Resp: 100

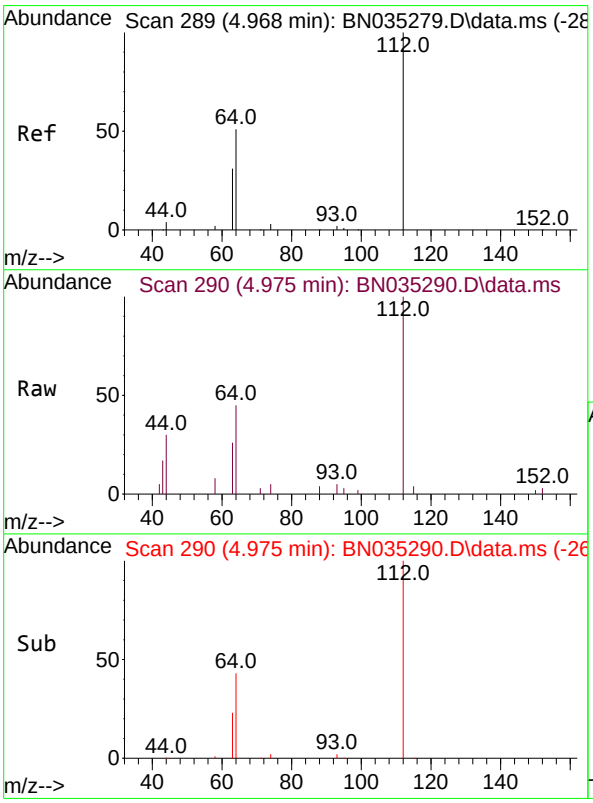
Ion	Ratio	Lower	Upper
42	100		
74	147.2	102.7	154.1
44	8.2	34.1	51.1#



Instrument :
BNA_N
ClientSampleId :
PB165150BS

Manual Integrations
APPROVED

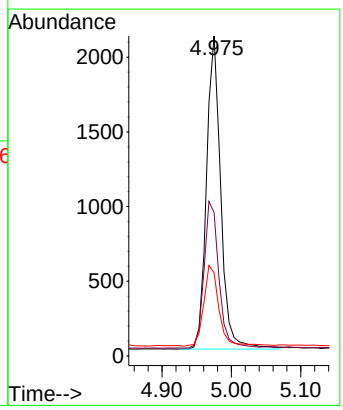
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

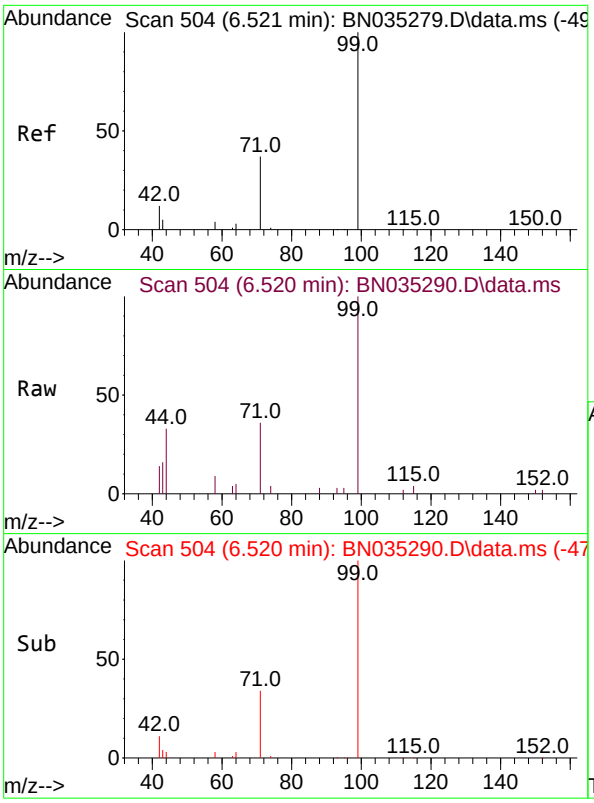


#4
2-Fluorophenol
Concen: 0.437 ng
RT: 4.975 min Scan# 290
Delta R.T. 0.007 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:112 Resp: 2994

Ion	Ratio	Lower	Upper
112	100		
64	48.5	40.4	60.6
63	27.5	23.8	35.8

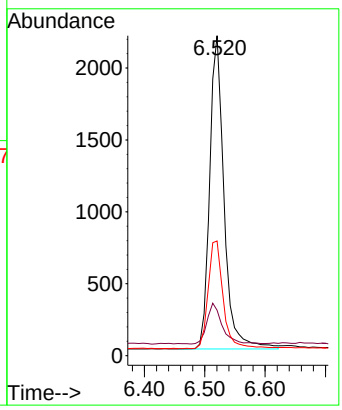




#5
Phenol-d6
Concen: 0.378 ng
RT: 6.520 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion: 99 Resp: 362(

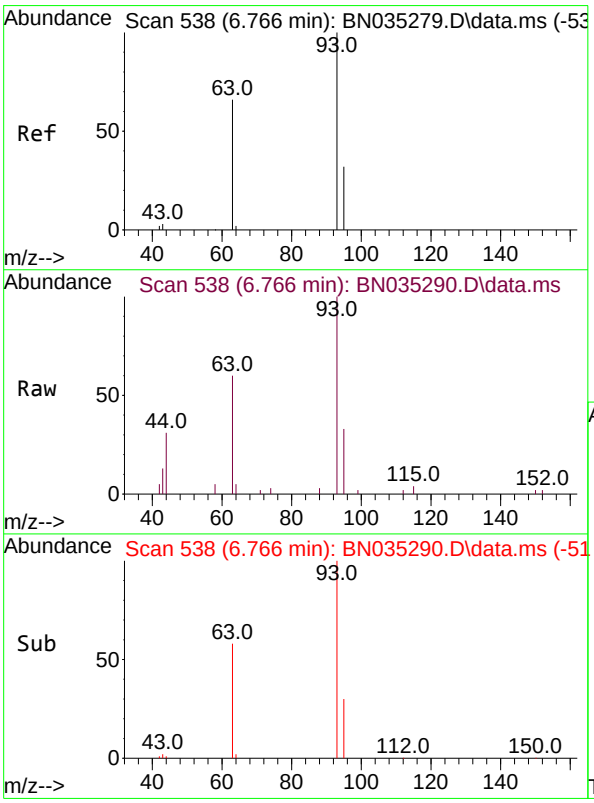
Ion	Ratio	Lower	Upper
99	100		
42	13.8	12.8	19.2
71	35.9	31.4	47.2



Instrument :
BNA_N
ClientSampleId :
PB165150BS

Manual Integrations
APPROVED

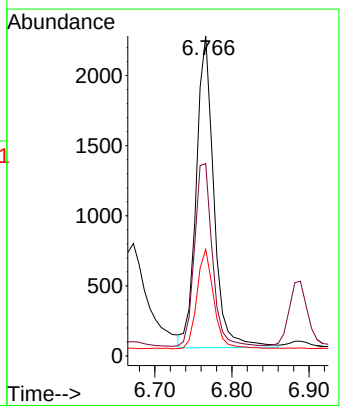
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

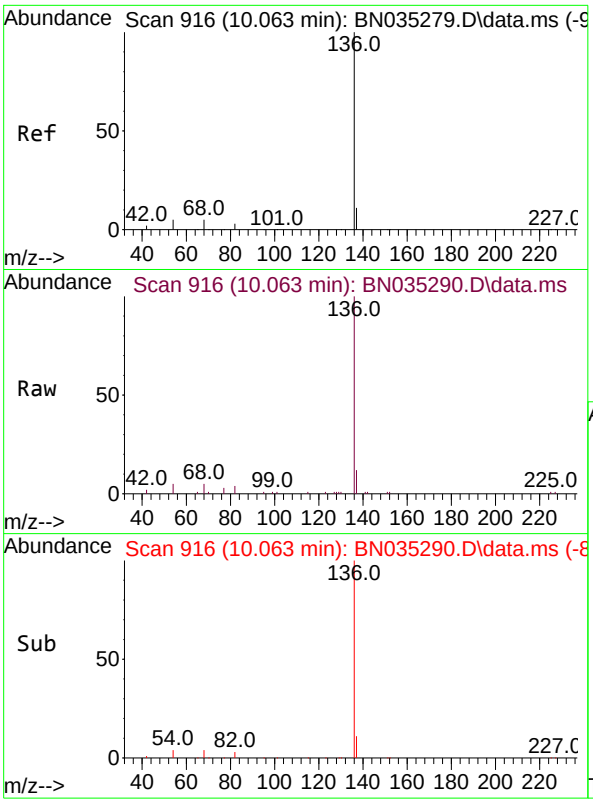


#6
bis(2-Chloroethyl)ether
Concen: 0.438 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion: 93 Resp: 3531

Ion	Ratio	Lower	Upper
93	100		
63	59.4	52.3	78.5
95	30.4	25.5	38.3

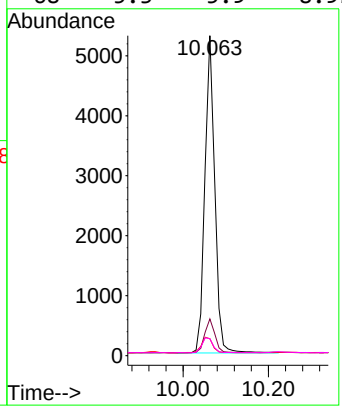




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

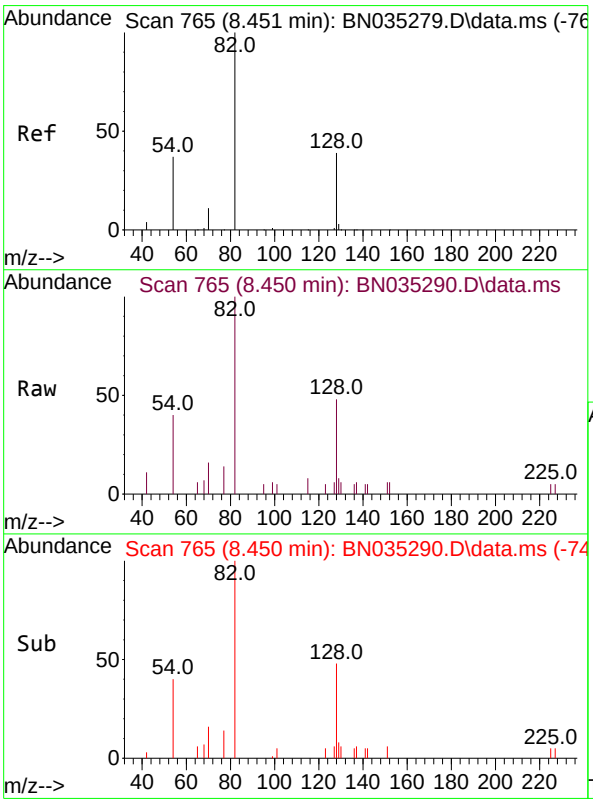
Tgt Ion:136 Resp: 851

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.7	14.5
54	5.3	5.3	7.9
68	5.3	5.9	8.9#



Instrument :
BNA_N
ClientSampleId :
PB165150BS

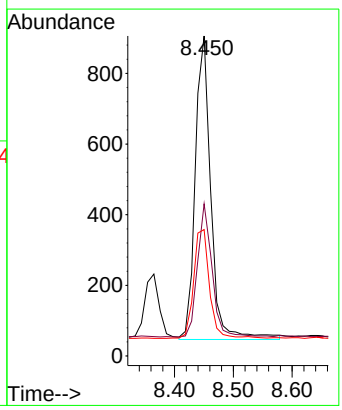
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

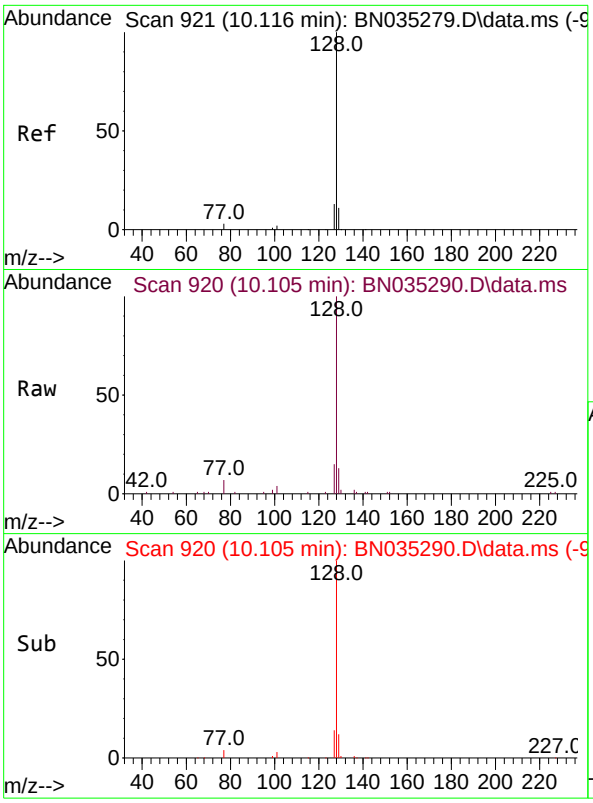


#8
Nitrobenzene-d5
Concen: 0.229 ng m
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion: 82 Resp: 1584

Ion	Ratio	Lower	Upper
82	100		
128	47.6	33.0	49.4
54	39.5	33.3	49.9

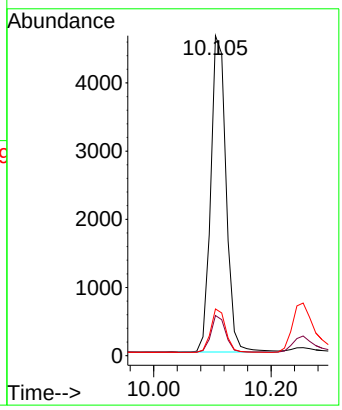




#9
Naphthalene
Concen: 0.356 ng
RT: 10.105 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:128 Resp: 842

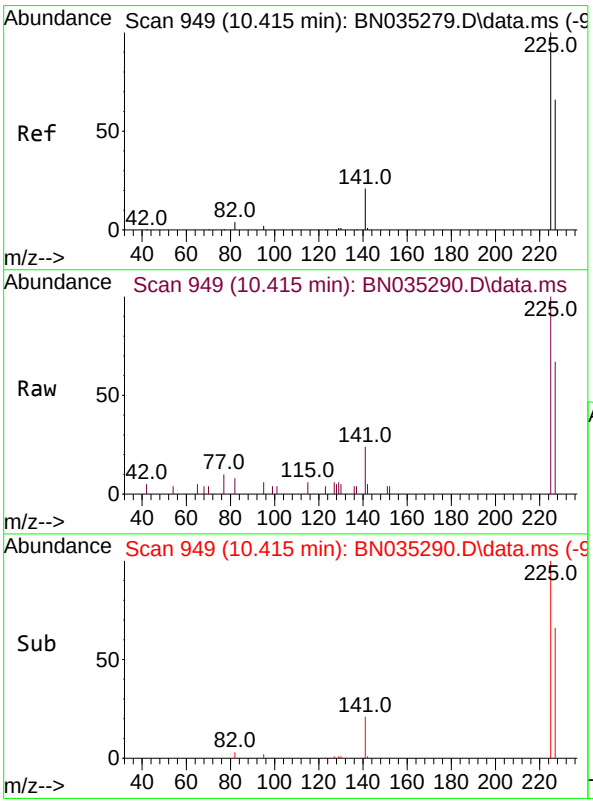
Ion	Ratio	Lower	Upper
128	100		
129	12.6	9.6	14.4
127	14.6	11.3	16.9



Instrument :
BNA_N
ClientSampleId :
PB165150BS

Manual Integrations
APPROVED

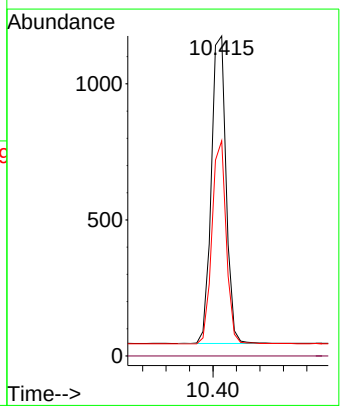
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

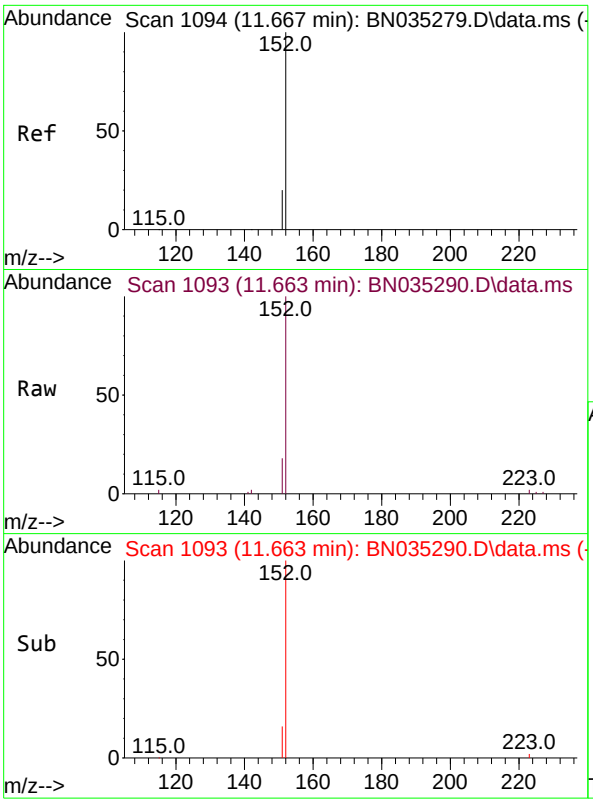


#10
Hexachlorobutadiene
Concen: 0.296 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:225 Resp: 1969

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.3	76.9





#11
2-Methylnaphthalene-d10
Concen: 0.483 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

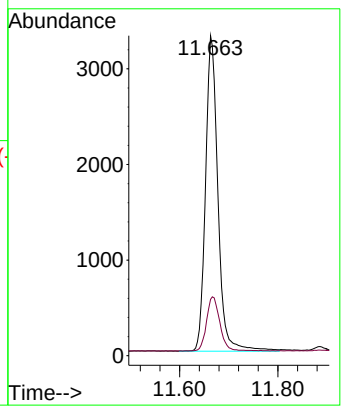
Tgt Ion:152 Resp: 576

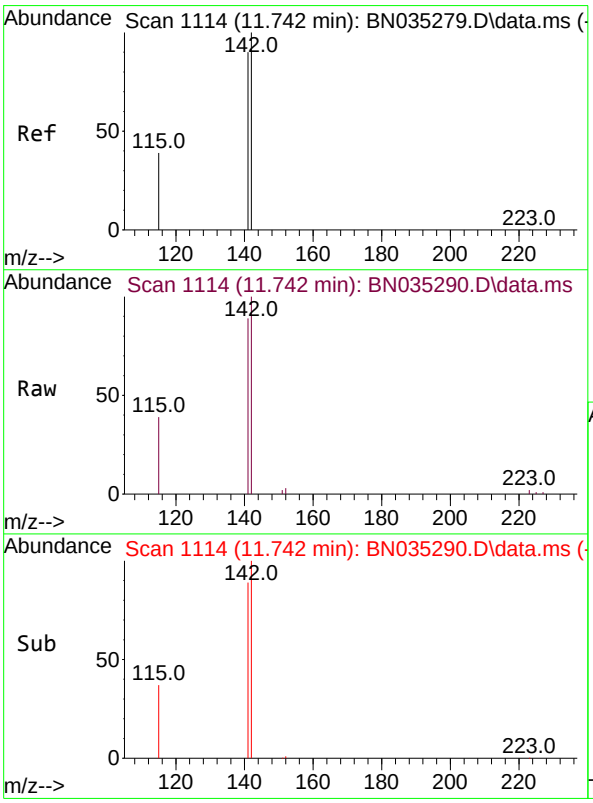
Ion	Ratio	Lower	Upper
152	100		
151	18.4	17.2	25.8

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

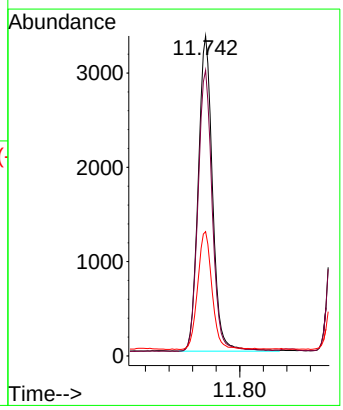


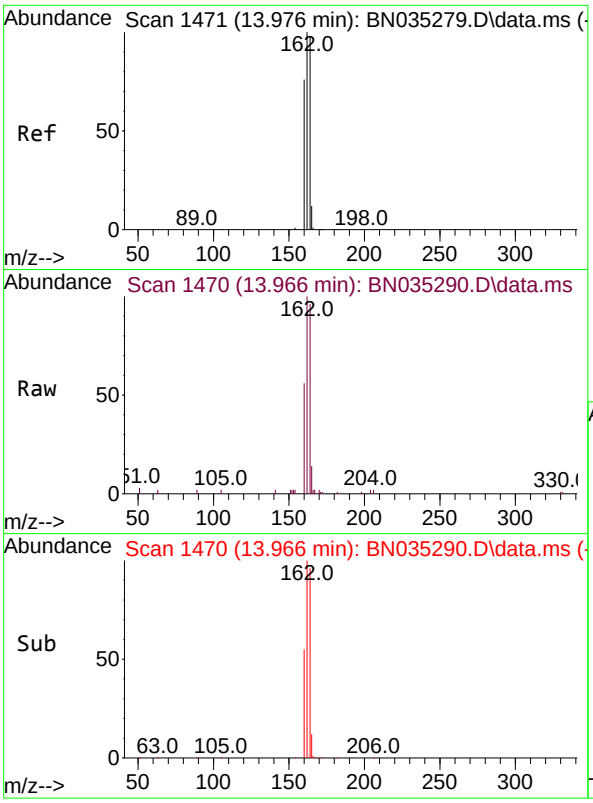


#12
2-Methylnaphthalene
Concen: 0.363 ng
RT: 11.742 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:142 Resp: 5618

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.8	107.8
115	38.8	32.6	49.0

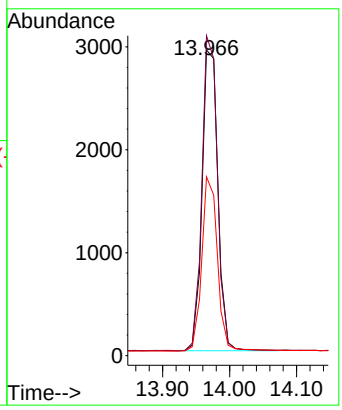




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.966 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:164 Resp: 479

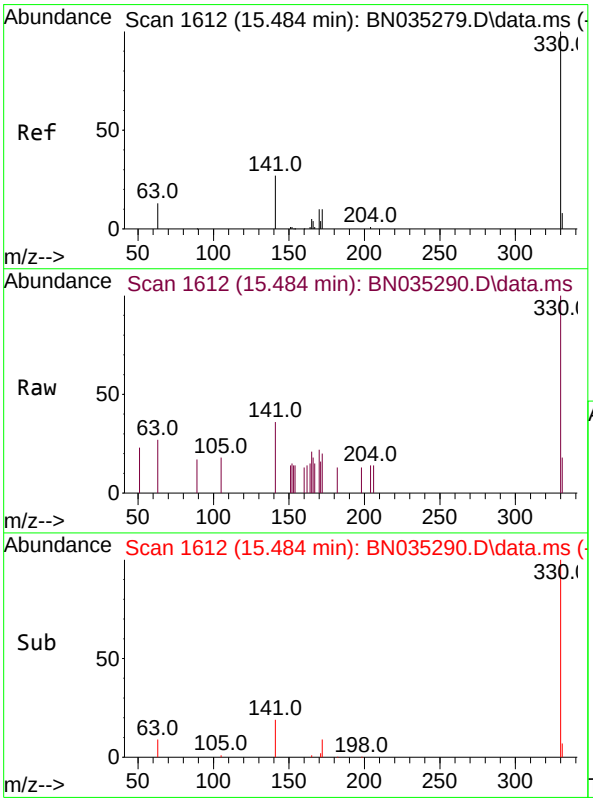
Ion	Ratio	Lower	Upper
164	100		
162	104.6	82.0	123.0
160	58.5	63.0	94.4



Instrument :
BNA_N
ClientSampleId :
PB165150BS

Manual Integrations
APPROVED

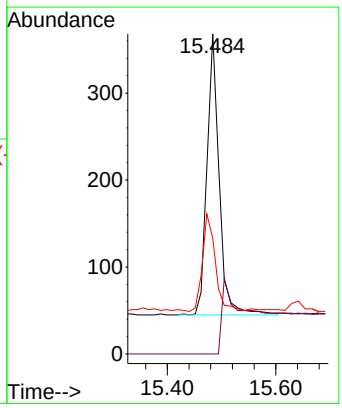
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

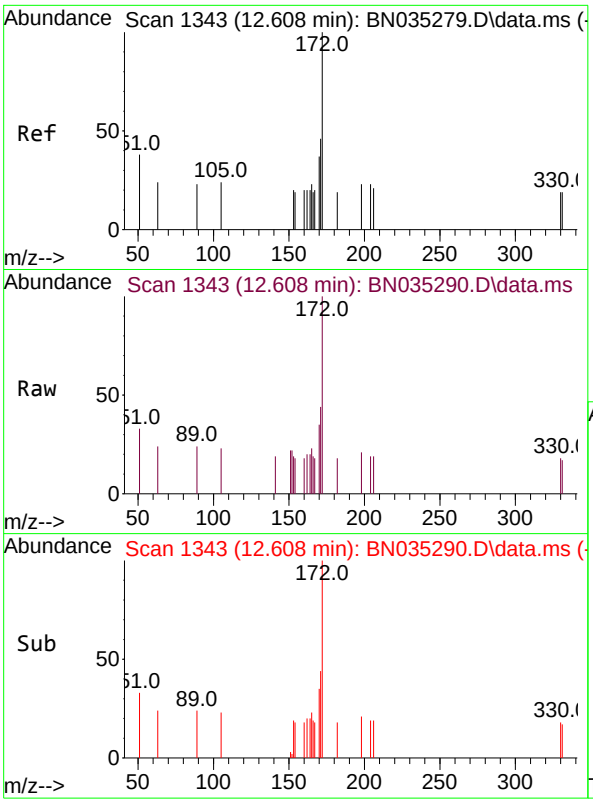


#14
2,4,6-Tribromophenol
Concen: 0.220 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:330 Resp: 538

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.7	32.4	48.6

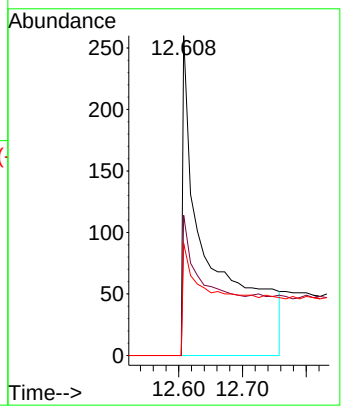




#15
2-Fluorobiphenyl
Concen: 0.273 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:172 Resp: 72

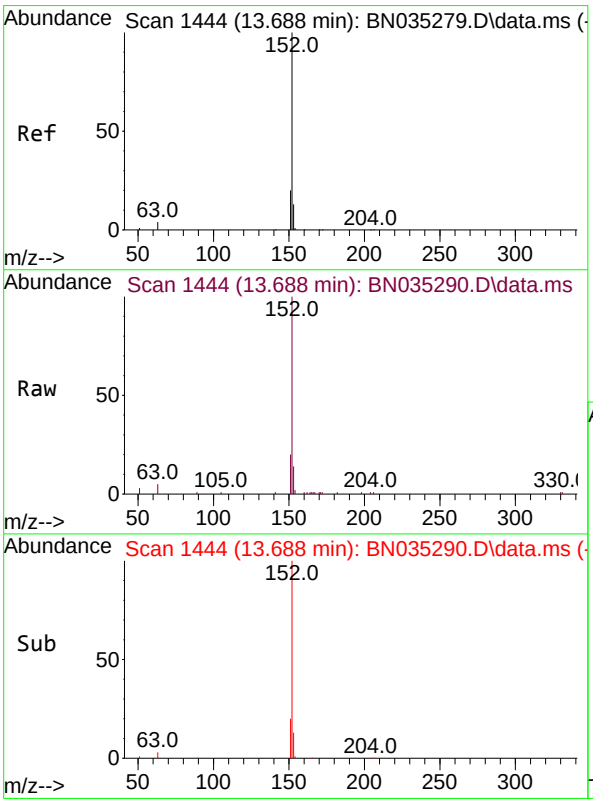
Ion	Ratio	Lower	Upper
172	100		
171	43.8	36.6	55.0
170	35.0	29.7	44.5



Instrument :
BNA_N
ClientSampleId :
PB165150BS

Manual Integrations
APPROVED

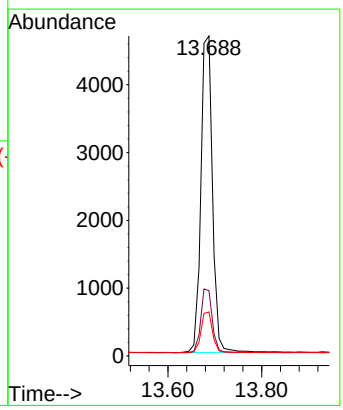
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

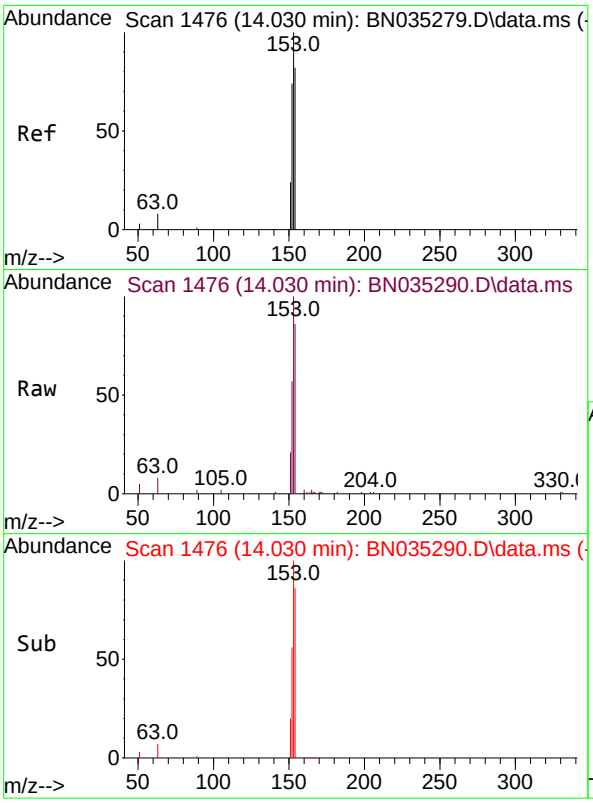


#16
Acenaphthylene
Concen: 0.334 ng
RT: 13.688 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:152 Resp: 8047

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	12.8	10.2	15.4

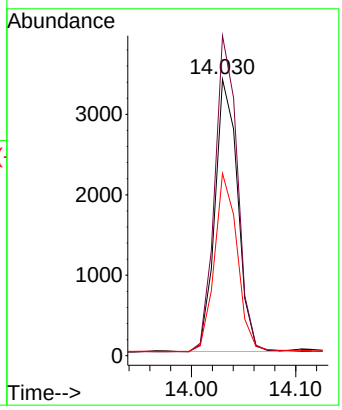




#17
Acenaphthene
Concen: 0.338 ng
RT: 14.030 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:154 Resp: 513

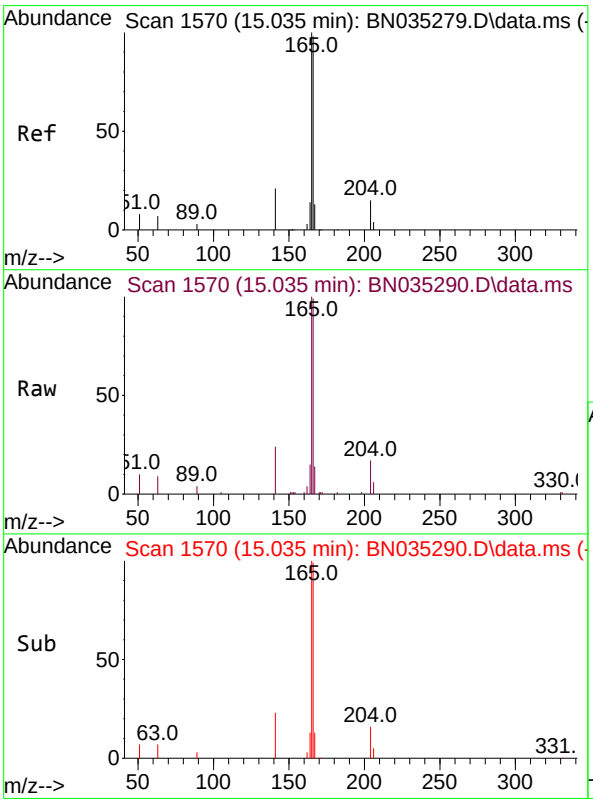
Ion	Ratio	Lower	Upper
154	100		
153	116.2	96.1	144.1
152	66.0	72.2	108.2



Instrument :
BNA_N
ClientSampleId :
PB165150BS

Manual Integrations
APPROVED

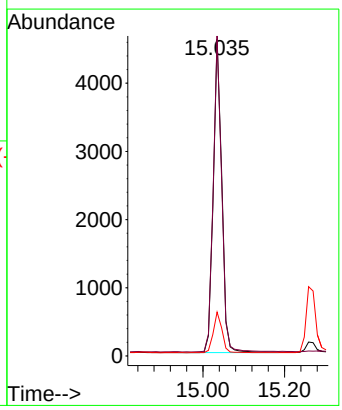
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

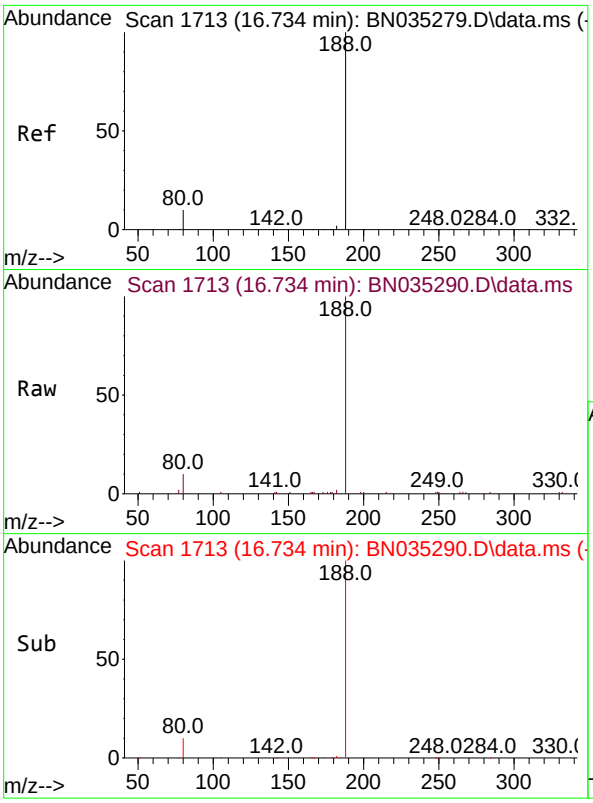


#18
Fluorene
Concen: 0.312 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:166 Resp: 6631

Ion	Ratio	Lower	Upper
166	100		
165	99.7	81.2	121.8
167	13.4	10.5	15.7

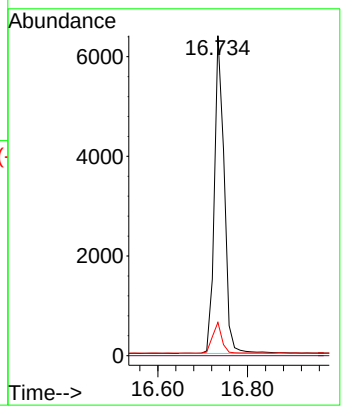




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

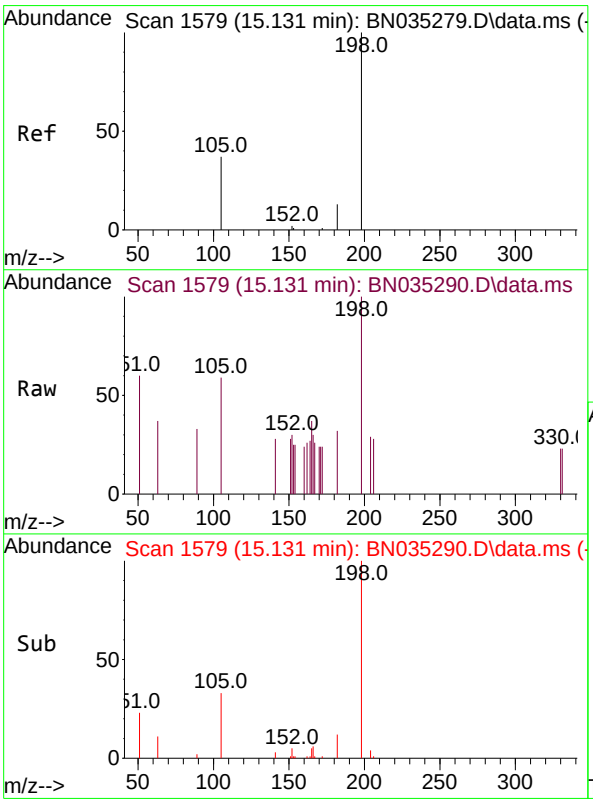
Tgt Ion:188 Resp: 961

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.4	8.9	13.3



Instrument :
BNA_N
ClientSampleId :
PB165150BS

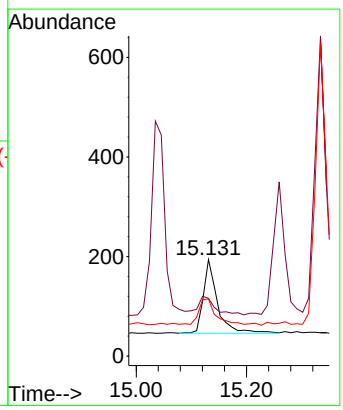
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

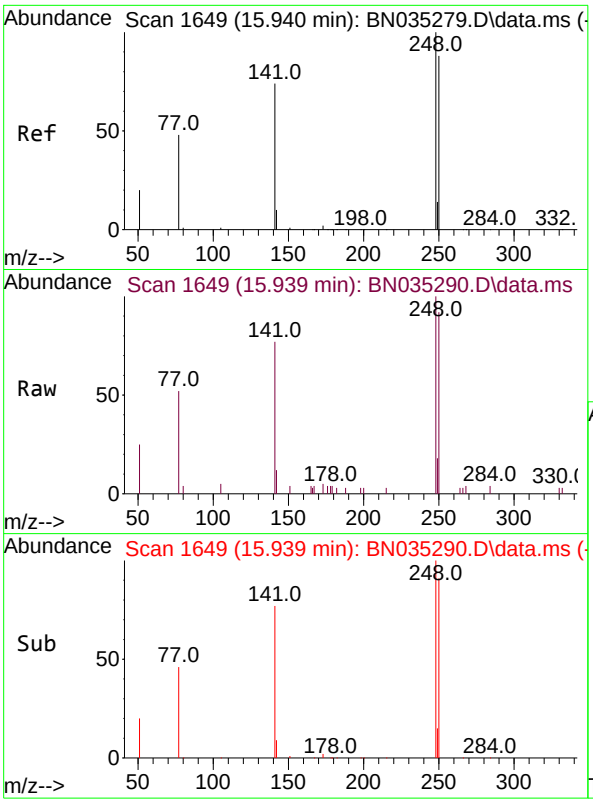


#20
4,6-Dinitro-2-methylphenol
Concen: 0.378 ng
RT: 15.131 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:198 Resp: 262

Ion	Ratio	Lower	Upper
198	100		
51	59.8	53.6	80.4
105	59.3	47.4	71.2

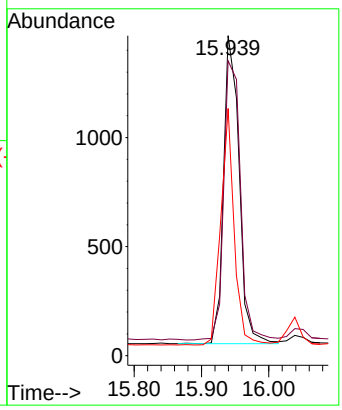




#21
4-Bromophenyl-phenylether
Concen: 0.371 ng
RT: 15.939 min Scan# 1(
Delta R.T. -0.001 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:248 Resp: 226

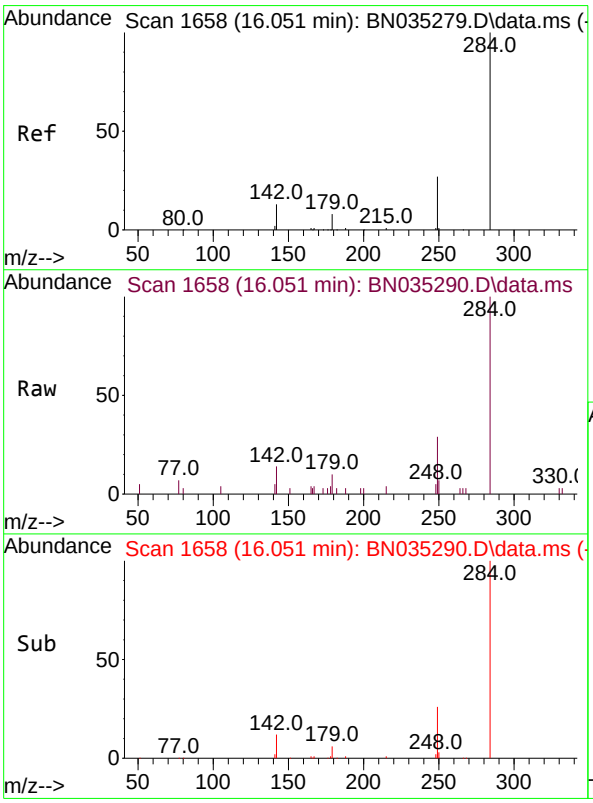
Ion	Ratio	Lower	Upper
248	100		
250	92.2	74.8	112.2
141	77.2	59.0	88.4



Instrument :
BNA_N
ClientSampleId :
PB165150BS

Manual Integrations
APPROVED

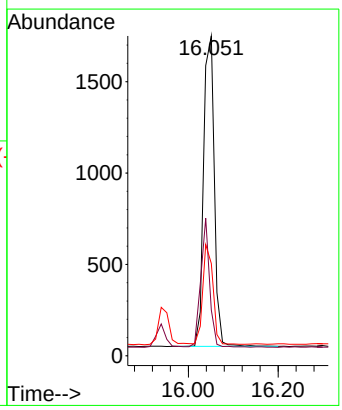
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

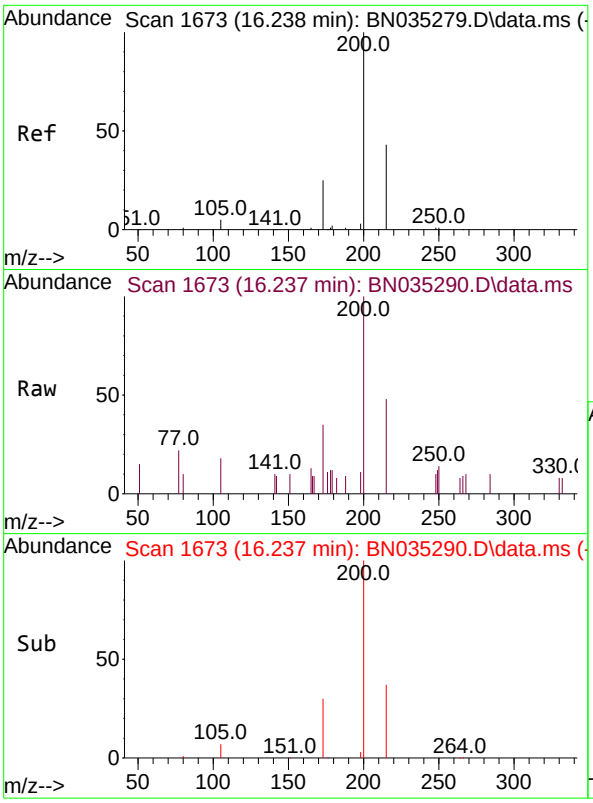


#22
Hexachlorobenzene
Concen: 0.322 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:284 Resp: 2814

Ion	Ratio	Lower	Upper
284	100		
142	34.5	28.7	43.1
249	30.6	25.4	38.0

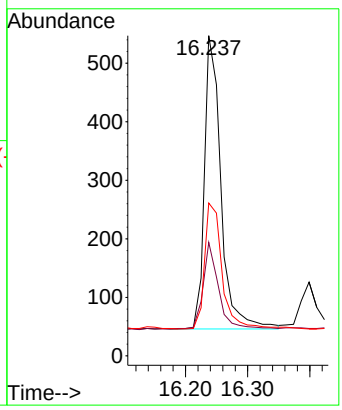




#23
Atrazine
Concen: 0.362 ng
RT: 16.237 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:200 Resp: 92

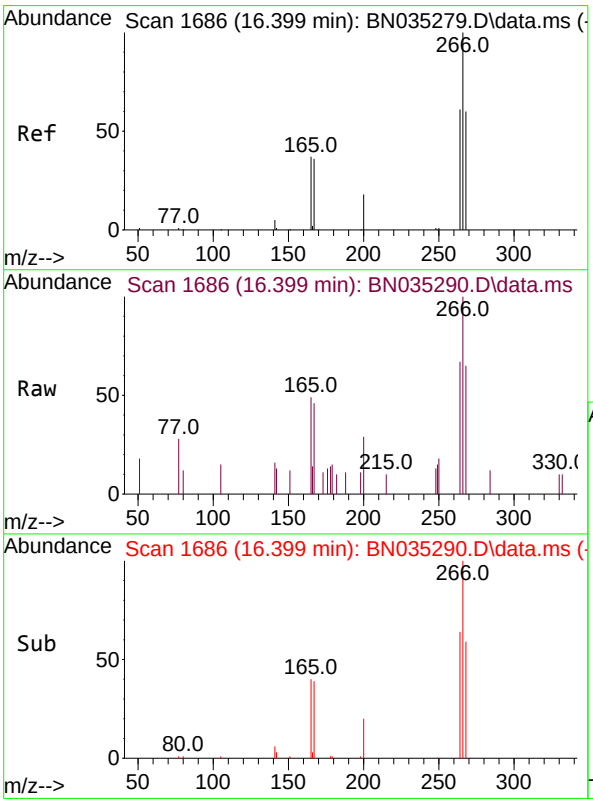
Ion	Ratio	Lower	Upper
200	100		
173	35.5	25.8	38.8
215	47.7	38.6	58.0



Instrument :
BNA_N
ClientSampleId :
PB165150BS

Manual Integrations
APPROVED

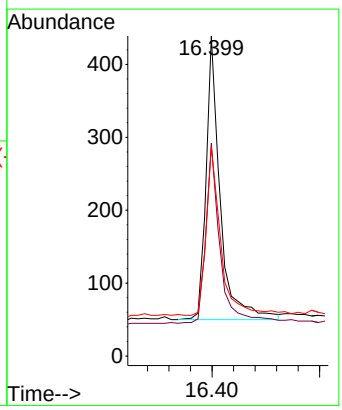
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

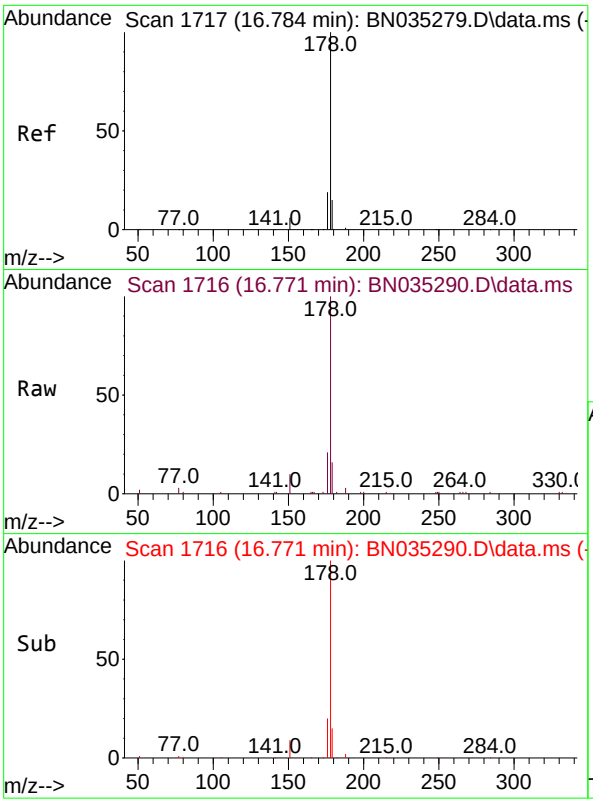


#24
Pentachlorophenol
Concen: 0.337 ng
RT: 16.399 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:266 Resp: 706

Ion	Ratio	Lower	Upper
266	100		
264	64.3	49.3	73.9
268	62.0	48.6	73.0

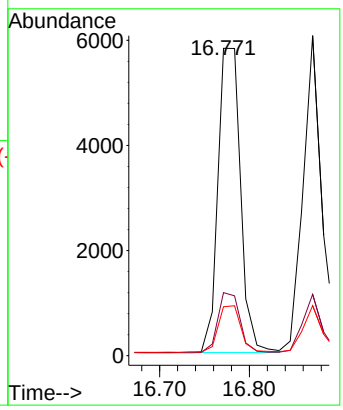




#25
Phenanthrene
Concen: 0.343 ng
RT: 16.771 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:178 Resp: 1014

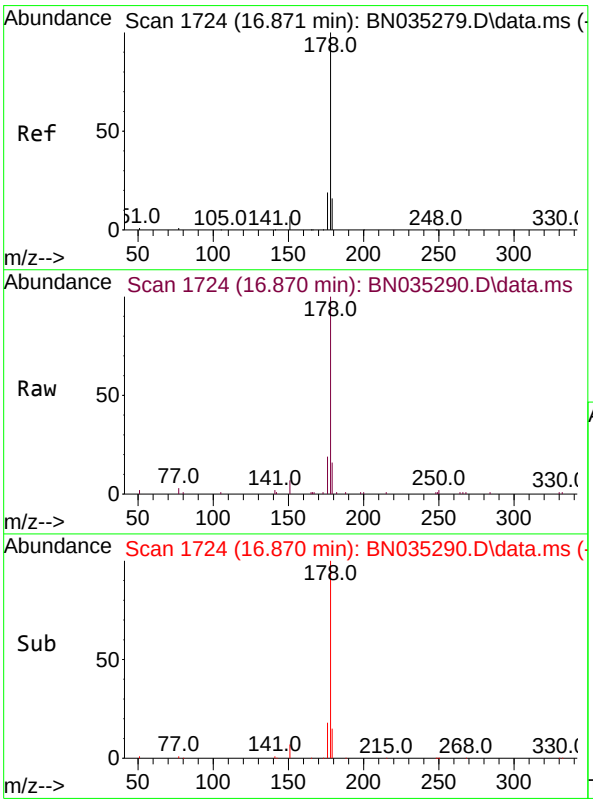
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.5	12.6	18.8



Instrument :
BNA_N
ClientSampleId :
PB165150BS

Manual Integrations
APPROVED

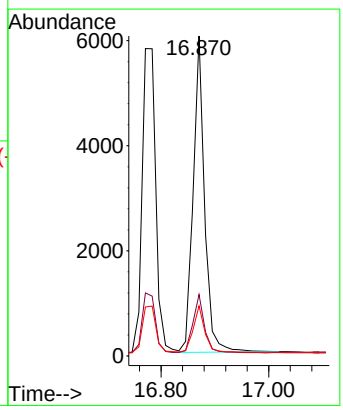
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

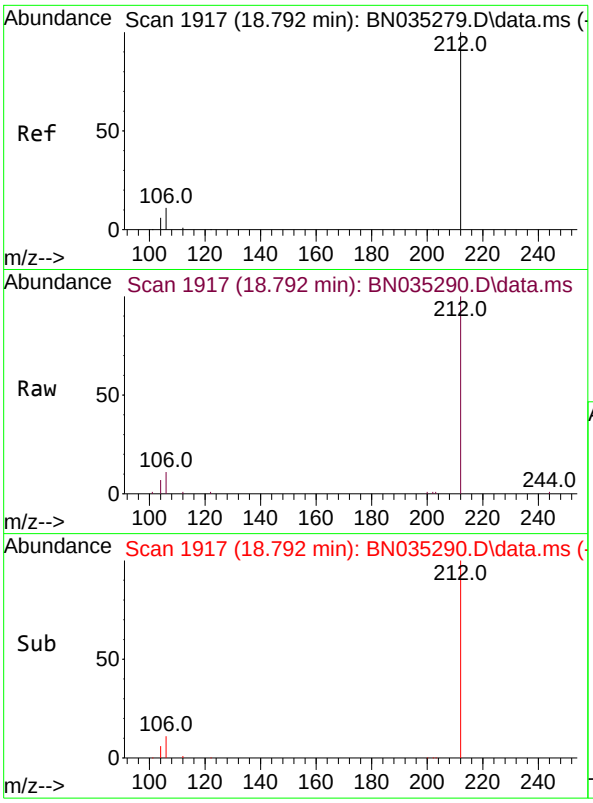


#26
Anthracene
Concen: 0.350 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:178 Resp: 8875

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	14.8	12.4	18.6

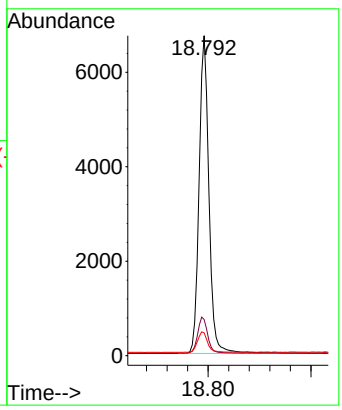




#27
Fluoranthene-d10
Concen: 0.348 ng
RT: 18.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:212 Resp: 896

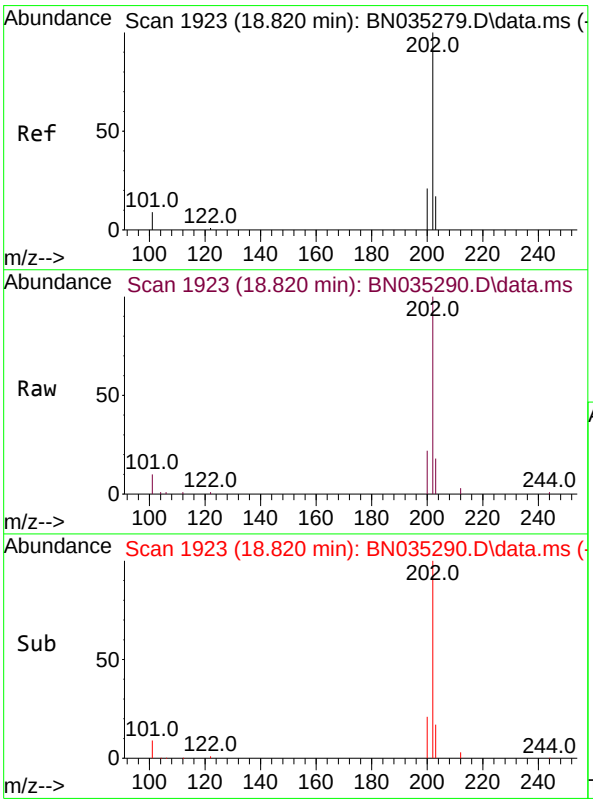
Ion	Ratio	Lower	Upper
212	100		
106	11.6	9.8	14.8
104	6.7	5.6	8.4



Instrument :
BNA_N
ClientSampleId :
PB165150BS

Manual Integrations APPROVED

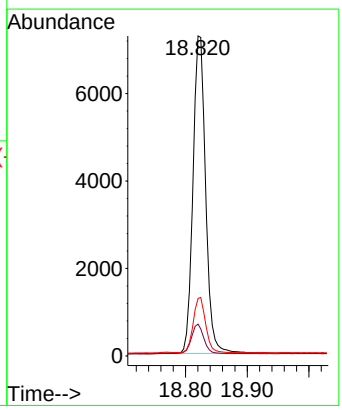
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

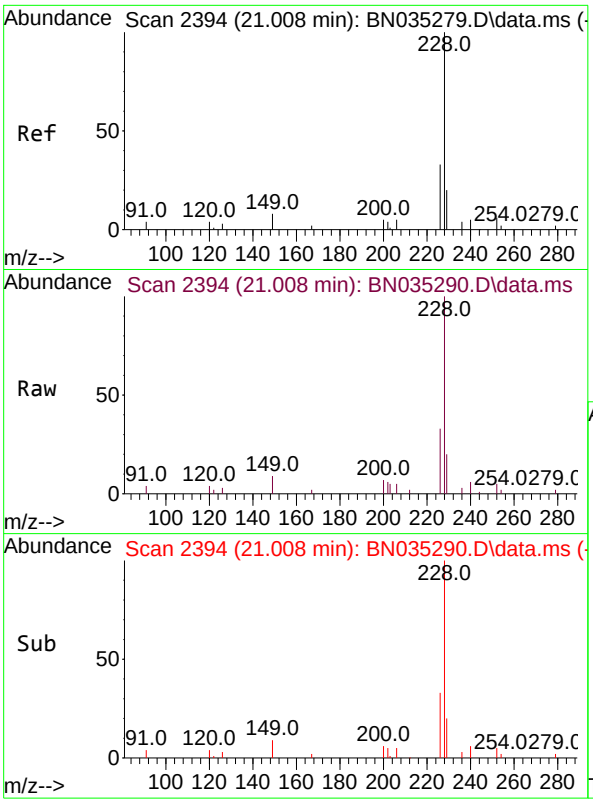


#28
Fluoranthene
Concen: 0.280 ng
RT: 18.820 min Scan# 1923
Delta R.T. 0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:202 Resp: 10421

Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.6	11.4
203	16.9	13.8	20.8

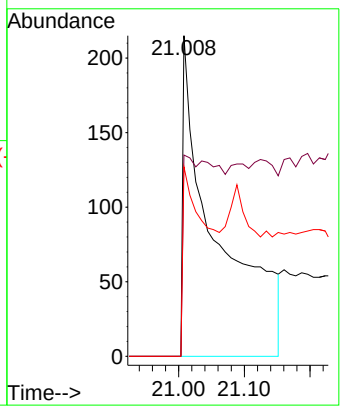




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

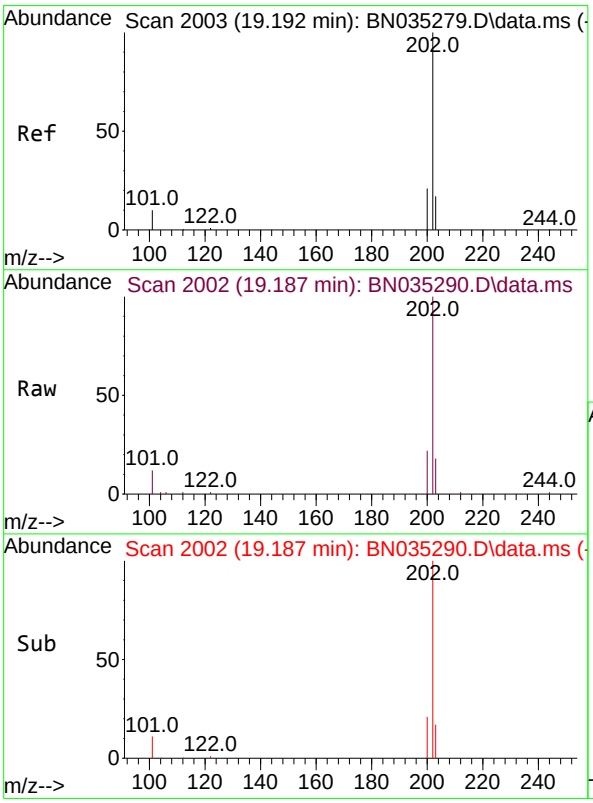
Tgt Ion:240 Resp: 73

Ion	Ratio	Lower	Upper
240	100		
120	62.8	54.9	82.3
236	59.1	54.0	81.0



Instrument :
BNA_N
ClientSampleId :
PB165150BS

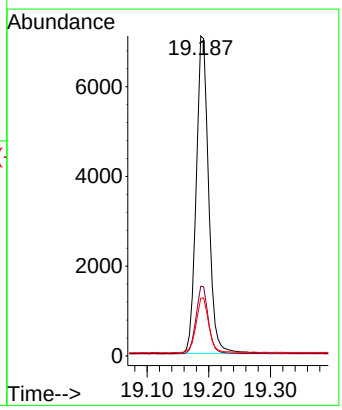
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

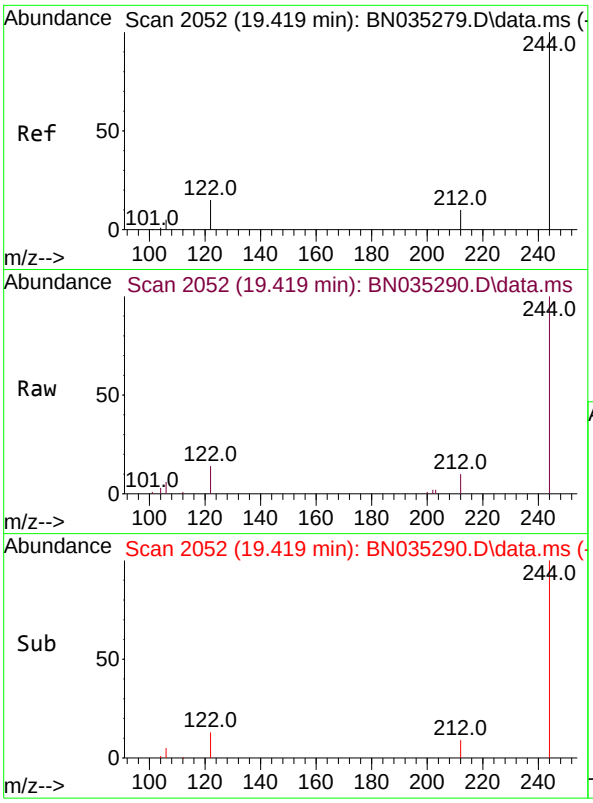


#30
Pyrene
Concen: 0.376 ng
RT: 19.187 min Scan# 2002
Delta R.T. -0.005 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:202 Resp: 9974

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.6	14.4	21.6

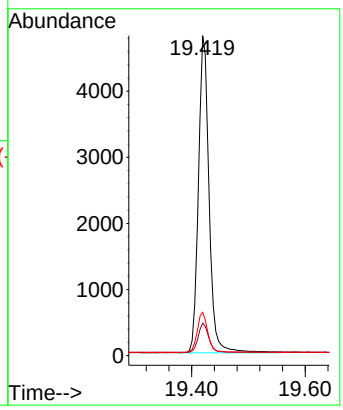




#31
Terphenyl-d14
Concen: 0.461 ng
RT: 19.419 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:244 Resp: 621

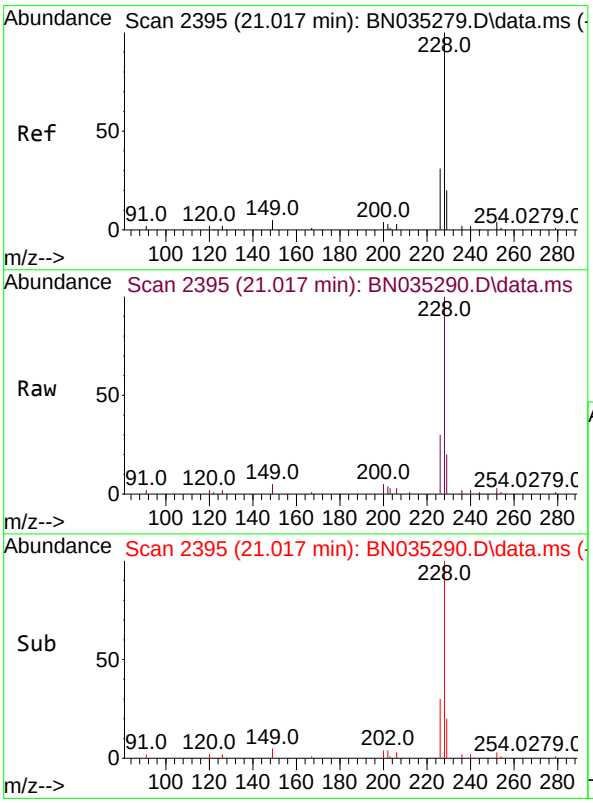
Ion	Ratio	Lower	Upper
244	100		
212	10.2	9.4	14.0
122	13.6	13.0	19.4



Instrument :
BNA_N
ClientSampleId :
PB165150BS

Manual Integrations APPROVED

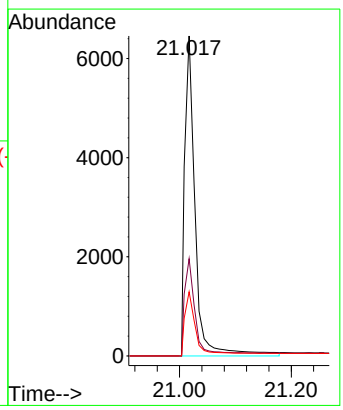
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

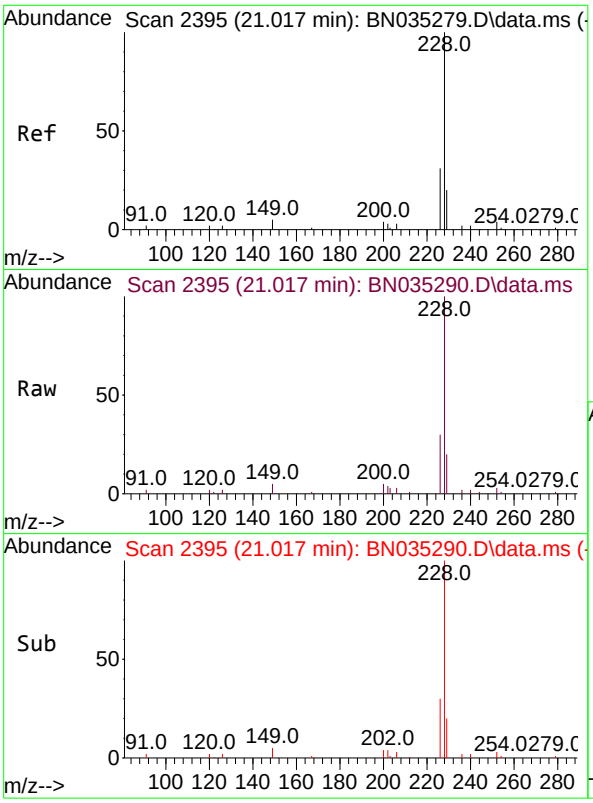


#32
Benzo(a)anthracene
Concen: 0.334 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:228 Resp: 8490

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	20.1	16.2	24.2

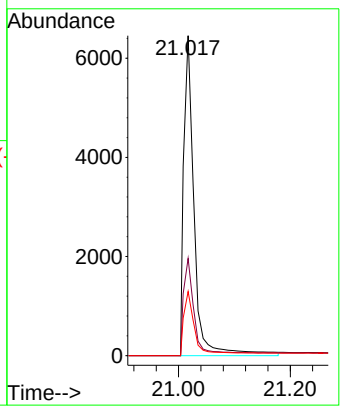




#33
Chrysene
Concen: 0.334 ng
RT: 21.017 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:228 Resp: 849

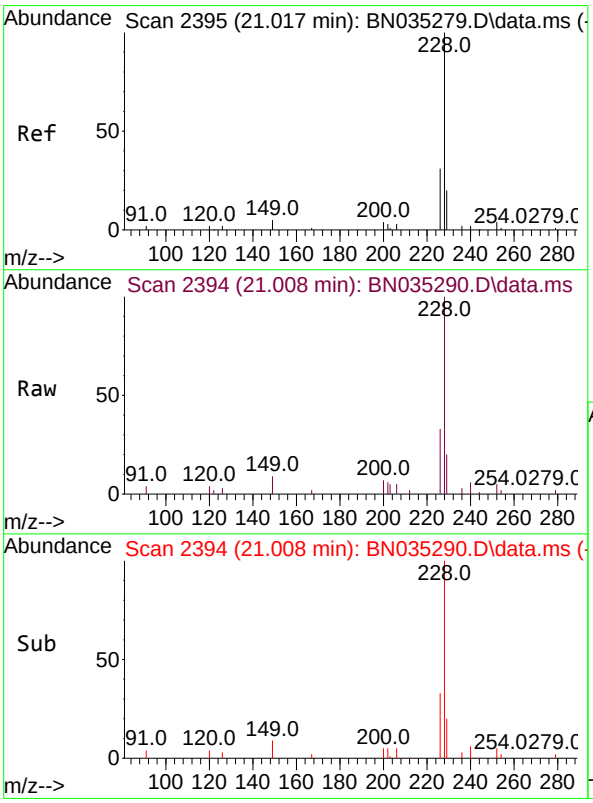
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	20.1	16.2	24.2



Instrument :
BNA_N
ClientSampleId :
PB165150BS

Manual Integrations APPROVED

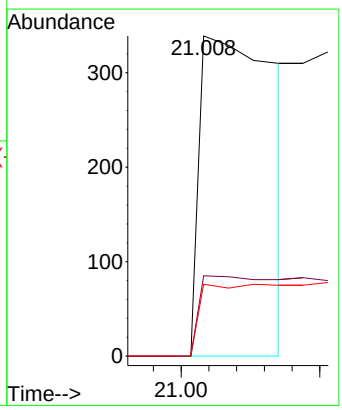
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

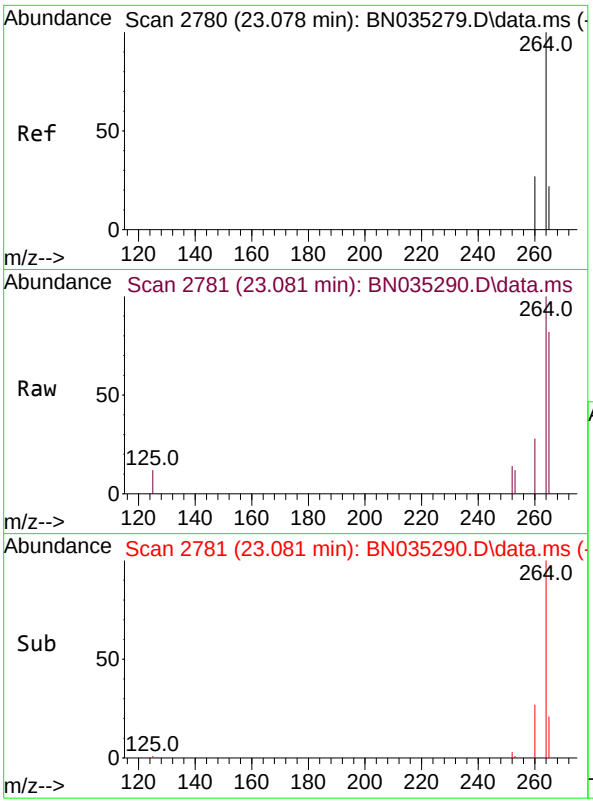


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.401 ng
RT: 21.008 min Scan# 2394
Delta R.T. -0.009 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:149 Resp: 560

Ion	Ratio	Lower	Upper
149	100		
167	25.7	0.0	0.0#
279	0.0	13.0	19.6#

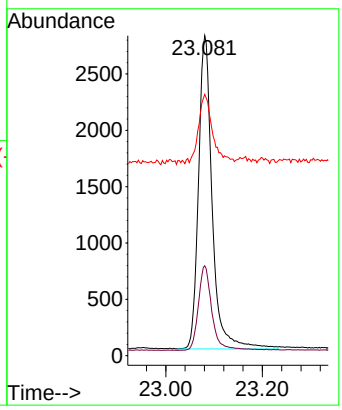




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.081 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:264 Resp: 548

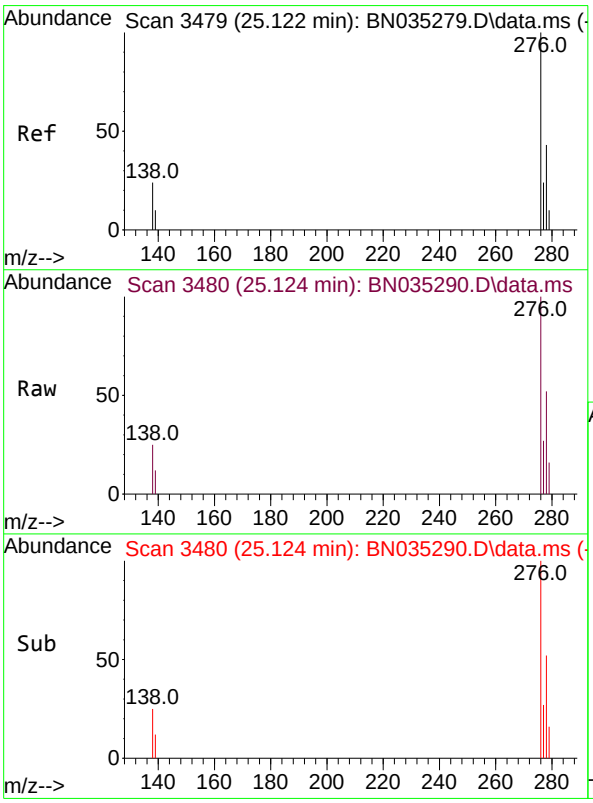
Ion	Ratio	Lower	Upper
264	100		
260	28.1	22.3	33.5
265	81.7	68.6	103.0



Instrument :
BNA_N
ClientSampleId :
PB165150BS

Manual Integrations
APPROVED

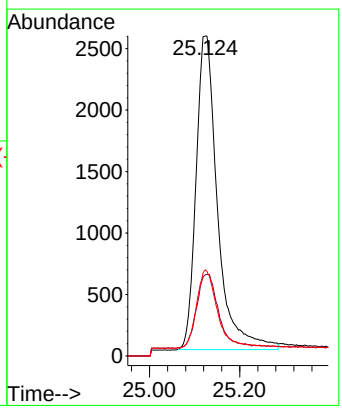
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

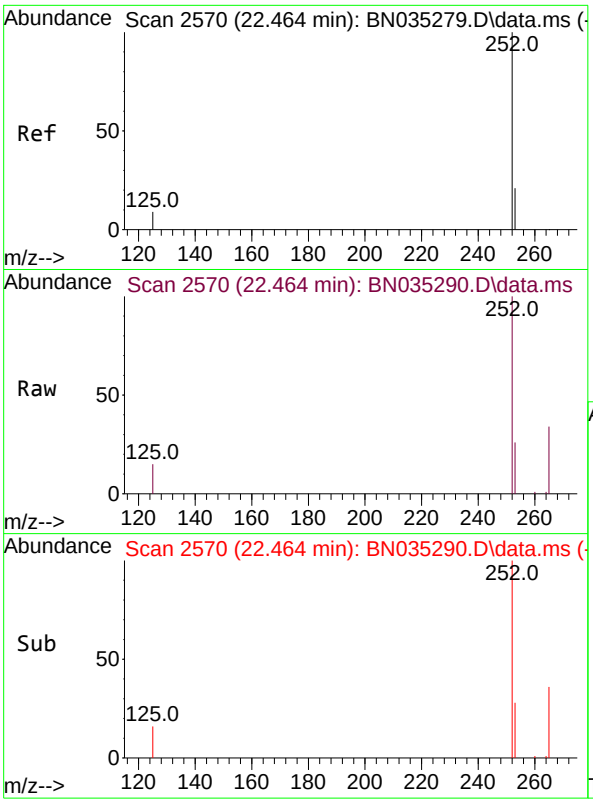


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.376 ng
RT: 25.124 min Scan# 3480
Delta R.T. 0.003 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:276 Resp: 8459

Ion	Ratio	Lower	Upper
276	100		
138	22.7	18.8	28.2
277	23.4	18.2	27.4

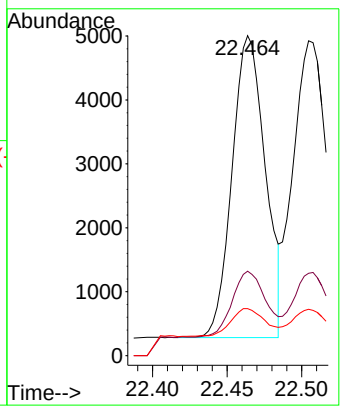




#37
Benzo(b)fluoranthene
Concen: 0.307 ng
RT: 22.464 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:252 Resp: 731

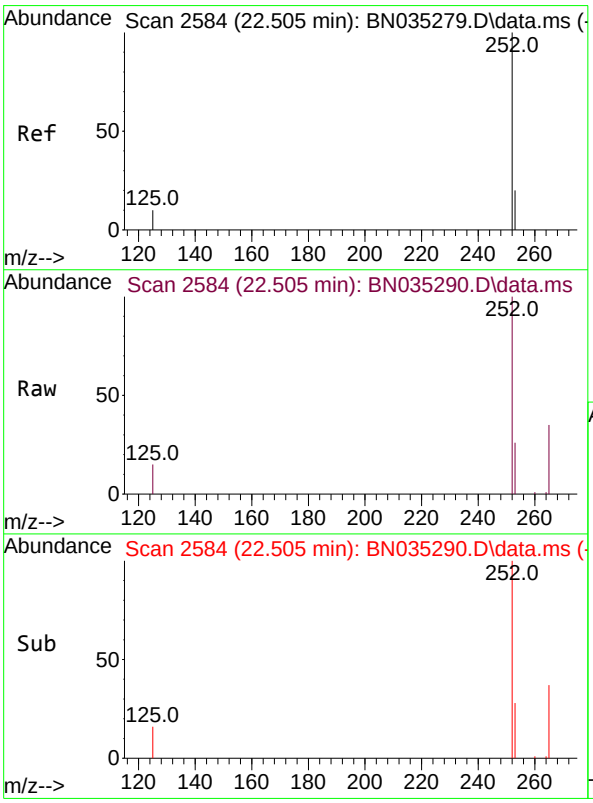
Ion	Ratio	Lower	Upper
252	100		
253	26.4	20.2	30.2
125	14.7	12.0	18.0



Instrument :
BNA_N
ClientSampleId :
PB165150BS

Manual Integrations
APPROVED

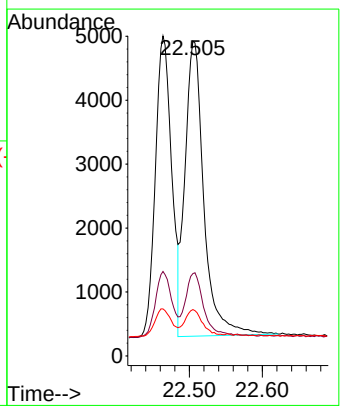
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

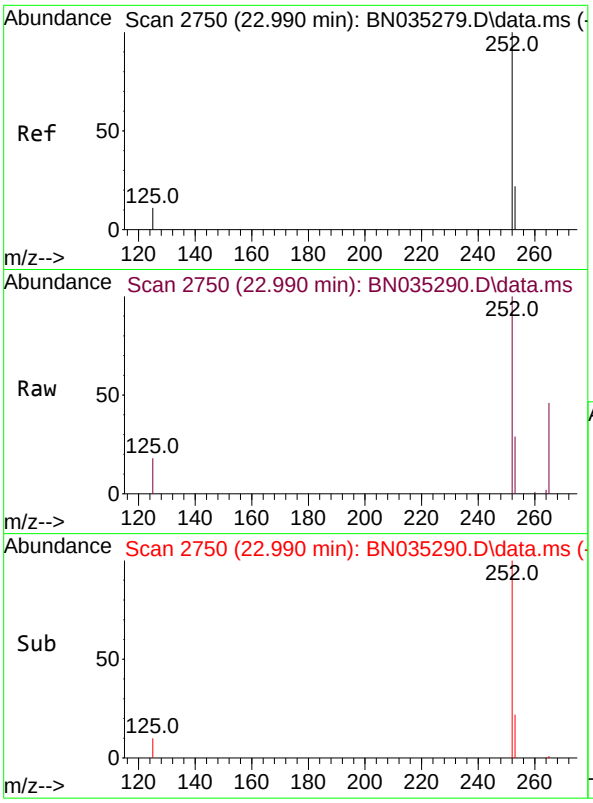


#38
Benzo(k)fluoranthene
Concen: 0.329 ng
RT: 22.505 min Scan# 2584
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:252 Resp: 8291

Ion	Ratio	Lower	Upper
252	100		
253	26.2	20.1	30.1
125	14.8	12.7	19.1

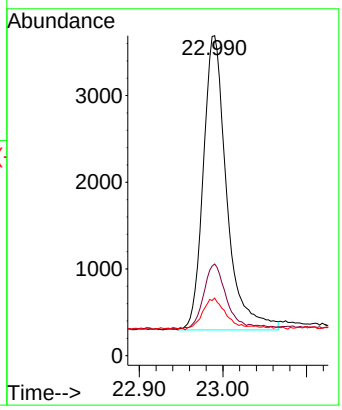




#39
Benzo(a)pyrene
Concen: 0.363 ng
RT: 22.990 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:252 Resp: 661

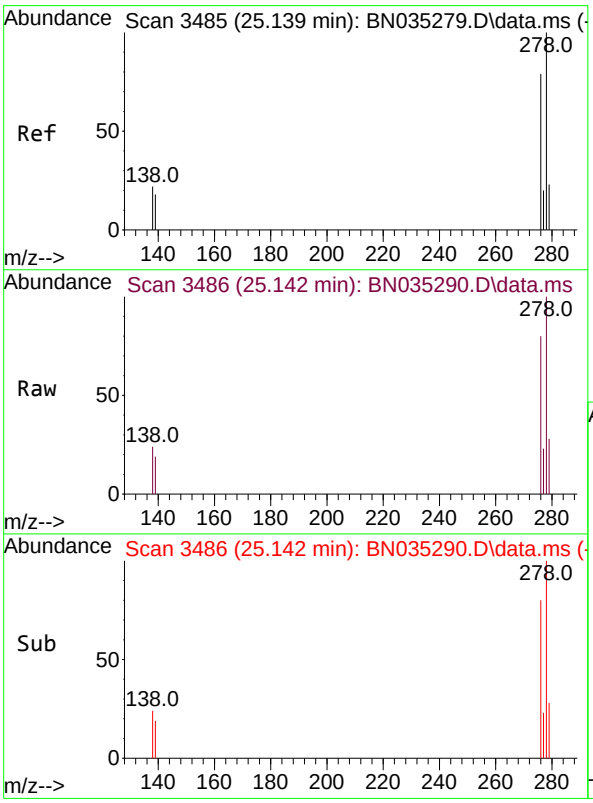
Ion	Ratio	Lower	Upper
252	100		
253	28.7	22.3	33.5
125	18.0	15.3	22.9



Instrument :
BNA_N
ClientSampleId :
PB165150BS

Manual Integrations
APPROVED

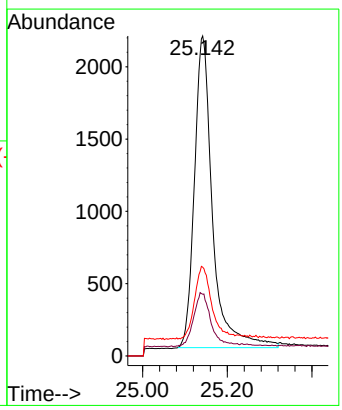
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

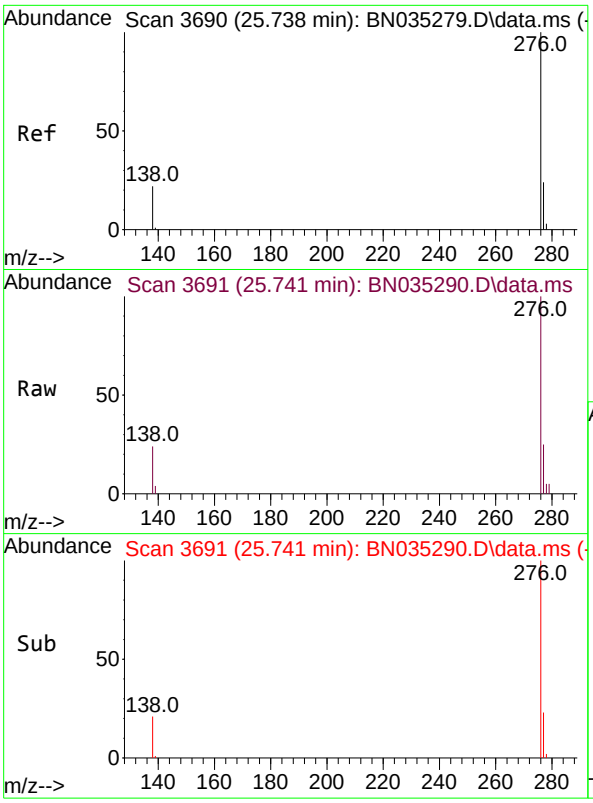


#40
Dibenzo(a,h)anthracene
Concen: 0.376 ng
RT: 25.142 min Scan# 3486
Delta R.T. 0.003 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:278 Resp: 6393

Ion	Ratio	Lower	Upper
278	100		
139	19.3	17.0	25.6
279	27.7	23.0	34.4

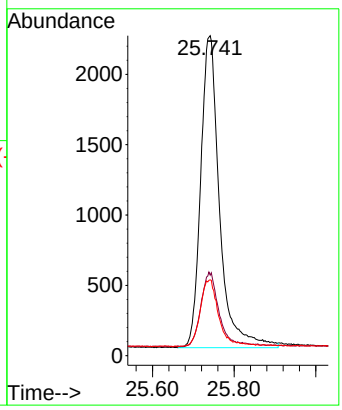




#41
Benzo(g,h,i)perylene
Concen: 0.362 ng
RT: 25.741 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:276 Resp: 711

Ion	Ratio	Lower	Upper
276	100		
277	25.1	21.1	31.7
138	23.7	19.8	29.8



Instrument :
BNA_N
ClientSampleId :
PB165150BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/19/24
Project:	CTO WE13	Date Received:	11/20/24
Client Sample ID:	BPOW6-10-20241119MS	SDG No.:	P4934
Lab Sample ID:	P4934-06MS	Matrix:	Water
Analytical Method:	SW8270SIM	% 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035288.D	1	11/21/24 08:27	11/25/24 17:32	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.39		30 - 150		97%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		95%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.20	*	55 - 111		50%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.15	*	53 - 106		36%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.77	*	58 - 132		192%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3630	7.315				
1146-65-2	Naphthalene-d8	8730	10.063				
15067-26-2	Acenaphthene-d10	5210	13.966				
1517-22-2	Phenanthrene-d10	11400	16.734				
1719-03-5	Chrysene-d12	743	21.008				
1520-96-3	Perylene-d12	5610	23.078				

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\BN112524\
Data File : BN035288.D
Acq On : 25 Nov 2024 17:32
Operator : RC/JU
Sample : P4934-06MS
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 26 03:31:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	3628	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	8728	0.400	ng	# 0.00
13) Acenaphthene-d10	13.966	164	5209	0.400	ng	#-0.01
19) Phenanthrene-d10	16.734	188	11399	0.400	ng	0.00
29) Chrysene-d12	21.008	240	743	0.400	ng	0.00
35) Perylene-d12	23.078	264	5613	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.975	112	1549	0.226	ng	0.00
5) Phenol-d6	6.521	99	1362	0.142	ng	0.00
8) Nitrobenzene-d5	8.450	82	1423m	0.201	ng	0.00
11) 2-Methylnaphthalene-d10	11.663	152	4722	0.386	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	658	0.247	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	421	0.146	ng	0.00
27) Fluoranthene-d10	18.792	212	11634	0.381	ng	0.00
31) Terphenyl-d14	19.419	244	10548	0.768	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	511	0.196	ng	# 90
3) n-Nitrosodimethylamine	3.299	42	354	0.131	ng	# 72
6) bis(2-Chloroethyl)ether	6.766	93	2973	0.369	ng	99
9) Naphthalene	10.105	128	7856	0.324	ng	99
10) Hexachlorobutadiene	10.404	225	1619	0.238	ng	# 100
12) 2-Methylnaphthalene	11.742	142	5352	0.338	ng	99
16) Acenaphthylene	13.677	152	8167	0.312	ng	99
17) Acenaphthene	14.030	154	5230	0.317	ng	# 88
18) Fluorene	15.035	166	7099	0.307	ng	98
20) 4,6-Dinitro-2-methylph...	15.131	198	305	0.374	ng	89
21) 4-Bromophenyl-phenylether	15.939	248	2574	0.356	ng	98
22) Hexachlorobenzene	16.051	284	3029	0.292	ng	99
23) Atrazine	16.237	200	1155	0.379	ng	96
24) Pentachlorophenol	16.399	266	774	0.312	ng	98
25) Phenanthrene	16.771	178	12309	0.352	ng	99
26) Anthracene	16.870	178	10530	0.350	ng	100
28) Fluoranthene	18.820	202	13774	0.312	ng	99
30) Pyrene	19.187	202	13805	0.511	ng	100
32) Benzo(a)anthracene	21.017	228	10096	0.390	ng	99
33) Chrysene	21.017	228	10096	0.390	ng	99
34) Bis(2-ethylhexyl)phtha...	21.017	149	578	0.407	ng	# 62
36) Indeno(1,2,3-cd)pyrene	25.124	276	9354	0.407	ng	99
37) Benzo(b)fluoranthene	22.464	252	8402	0.344	ng	98
38) Benzo(k)fluoranthene	22.505	252	9589	0.372	ng	98
39) Benzo(a)pyrene	22.990	252	7534	0.404	ng	97
40) Dibenzo(a,h)anthracene	25.139	278	7128	0.410	ng	96
41) Benzo(g,h,i)perylene	25.738	276	7780	0.387	ng	99

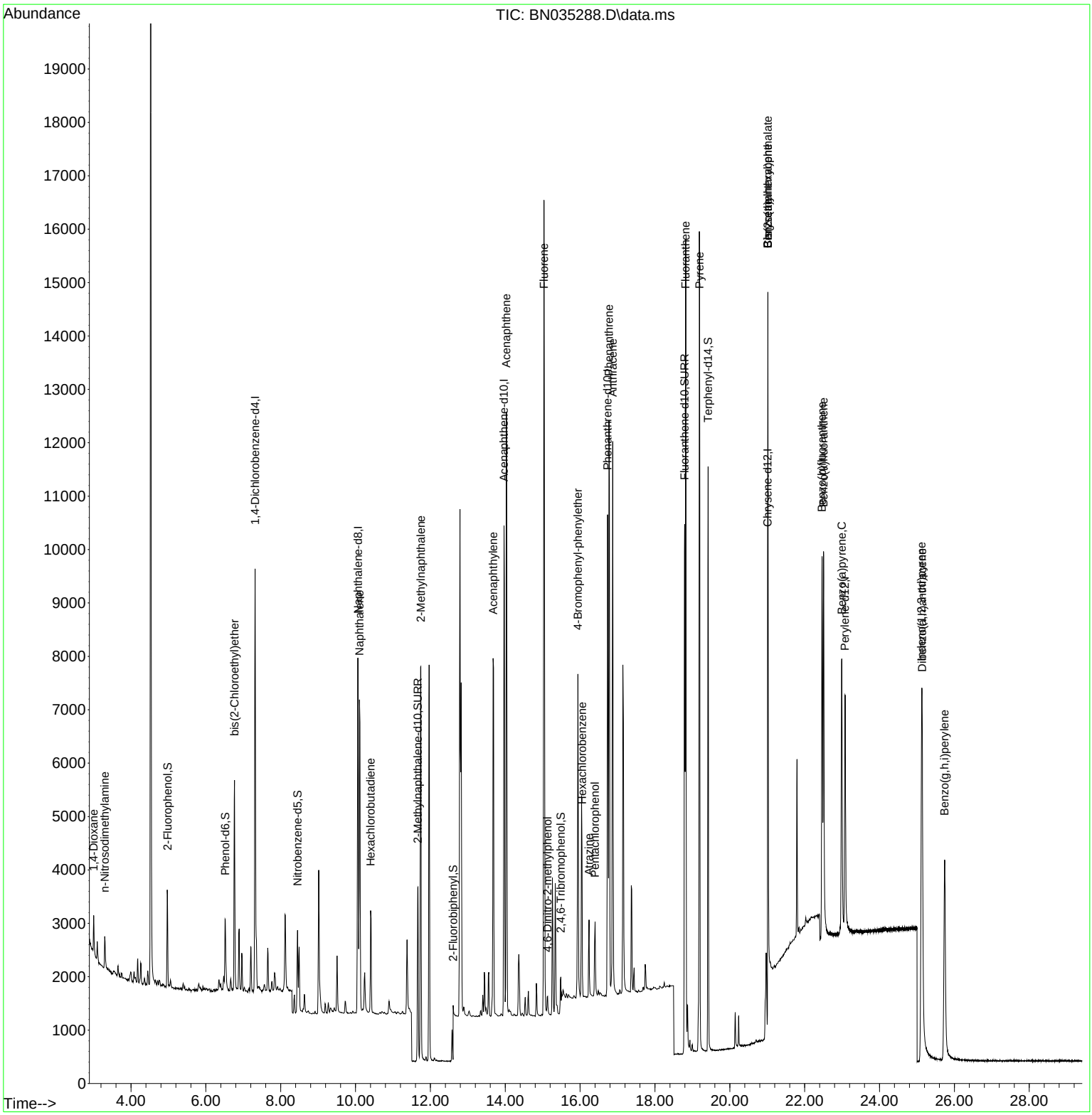
(#) = qualifier out of range (m) = manual integration (+) = signals summed

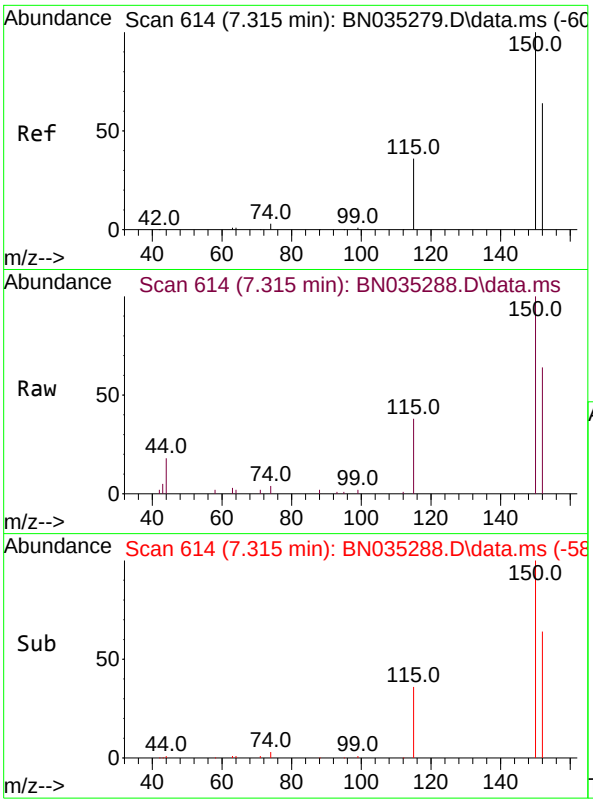
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035288.D
Acq On : 25 Nov 2024 17:32
Operator : RC/JU
Sample : P4934-06MS
Misc :
ALS Vial : 64 Sample Multiplier: 1

Quant Time: Nov 26 03:31:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

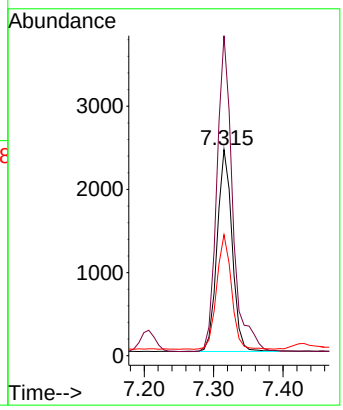




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:152 Resp: 362

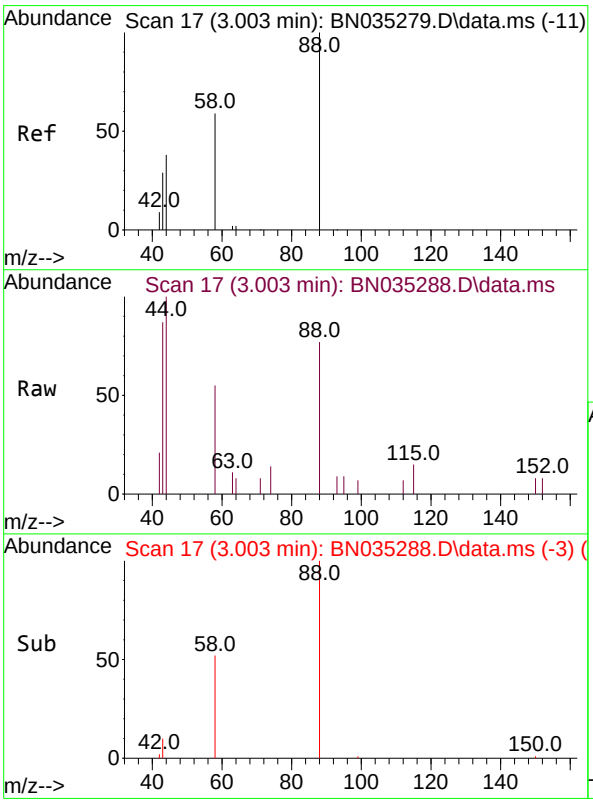
Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.5	186.7
115	58.7	47.8	71.8



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations
APPROVED

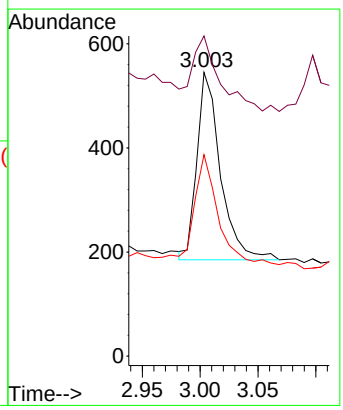
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

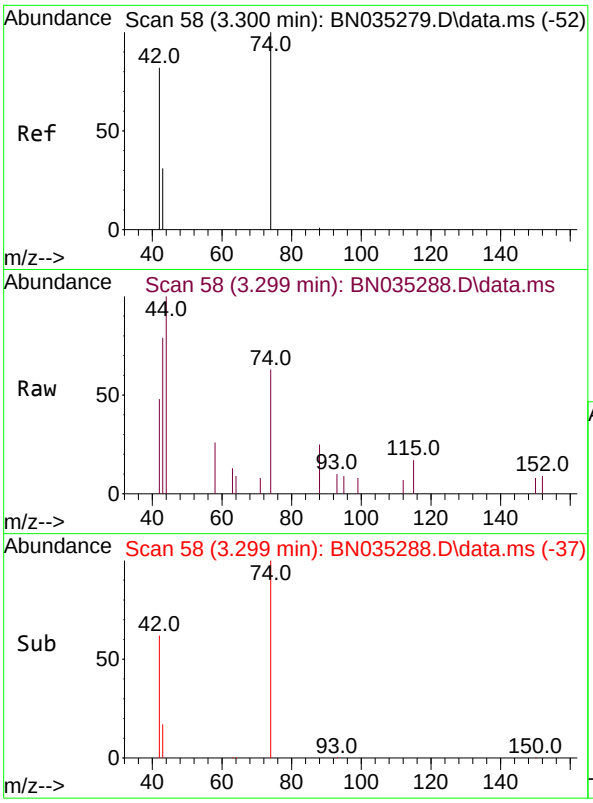


#2
1,4-Dioxane
Concen: 0.196 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion: 88 Resp: 511

Ion	Ratio	Lower	Upper
88	100		
43	46.4	48.1	72.1#
58	60.3	46.9	70.3





#3
n-Nitrosodimethylamine
Concen: 0.131 ng
RT: 3.299 min Scan# 5
Delta R.T. -0.001 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

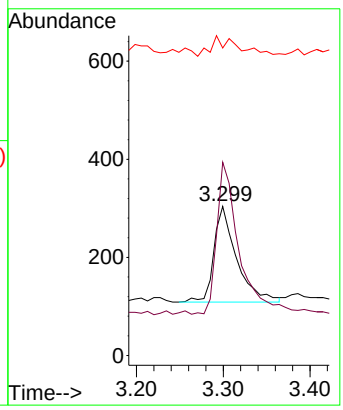
Tgt Ion: 42 Resp: 35

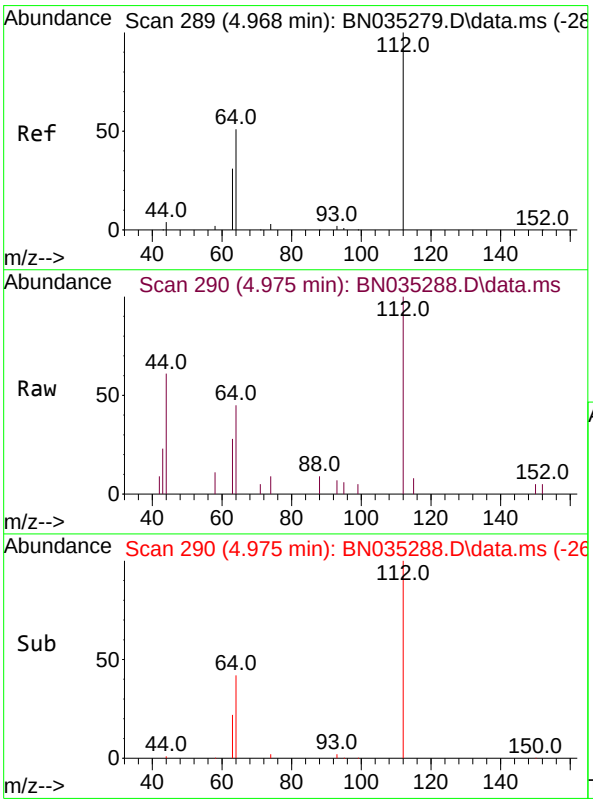
Ion	Ratio	Lower	Upper
42	100		
74	161.6	102.7	154.1#
44	26.6	34.1	51.1#

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

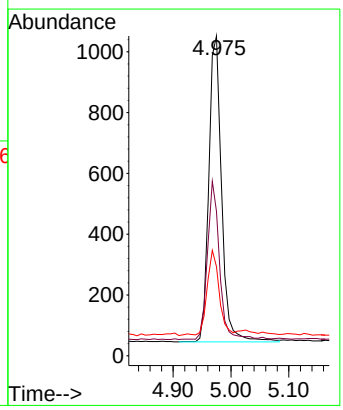


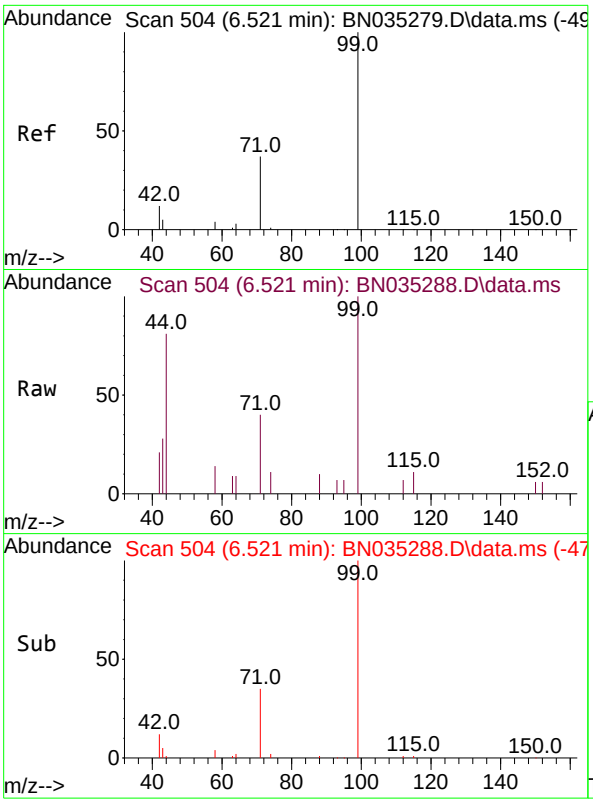


#4
2-Fluorophenol
Concen: 0.226 ng
RT: 4.975 min Scan# 290
Delta R.T. 0.007 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:112 Resp: 1549

Ion	Ratio	Lower	Upper
112	100		
64	47.9	40.4	60.6
63	25.6	23.8	35.8

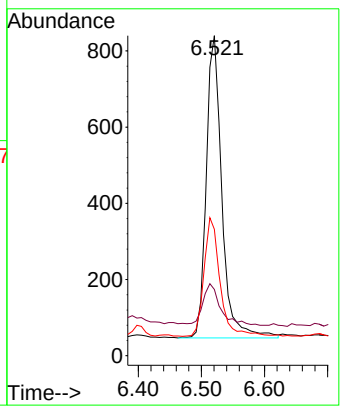




#5
Phenol-d6
Concen: 0.142 ng
RT: 6.521 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion: 99 Resp: 136

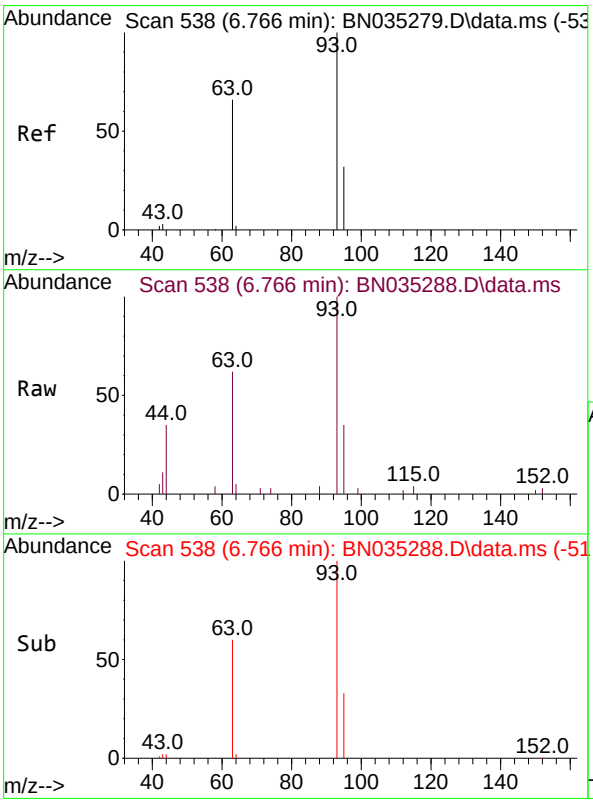
Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.8	19.2
71	40.7	31.4	47.2



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations
APPROVED

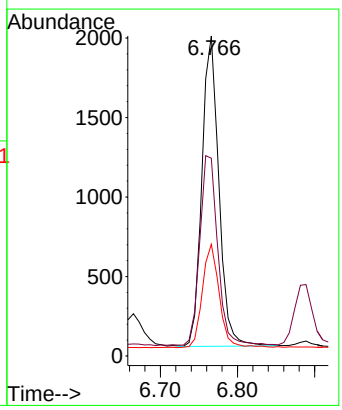
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

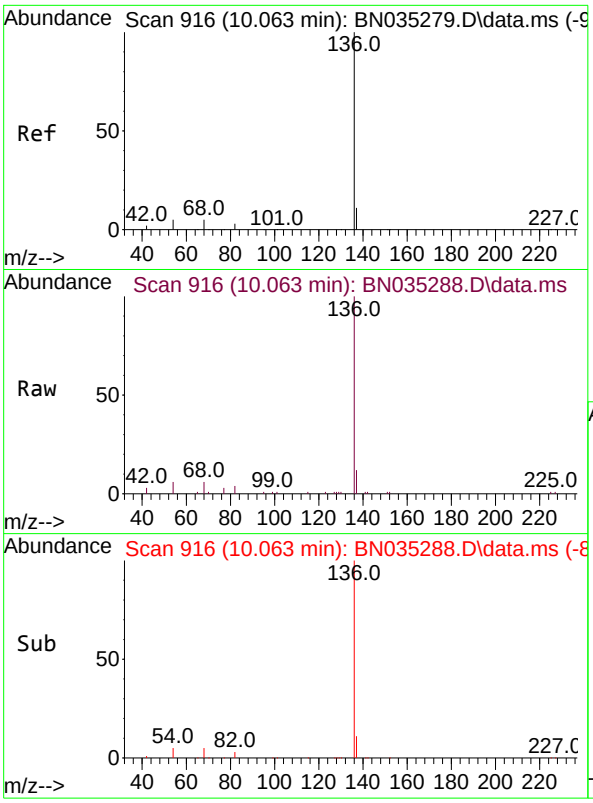


#6
bis(2-Chloroethyl)ether
Concen: 0.369 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion: 93 Resp: 2973

Ion	Ratio	Lower	Upper
93	100		
63	65.3	52.3	78.5
95	33.3	25.5	38.3

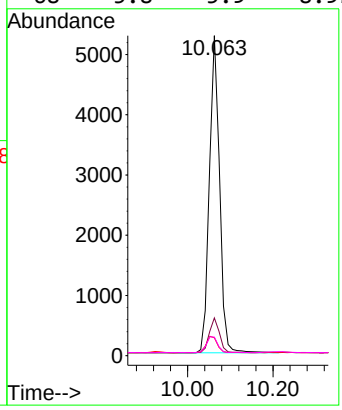




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:136 Resp: 872

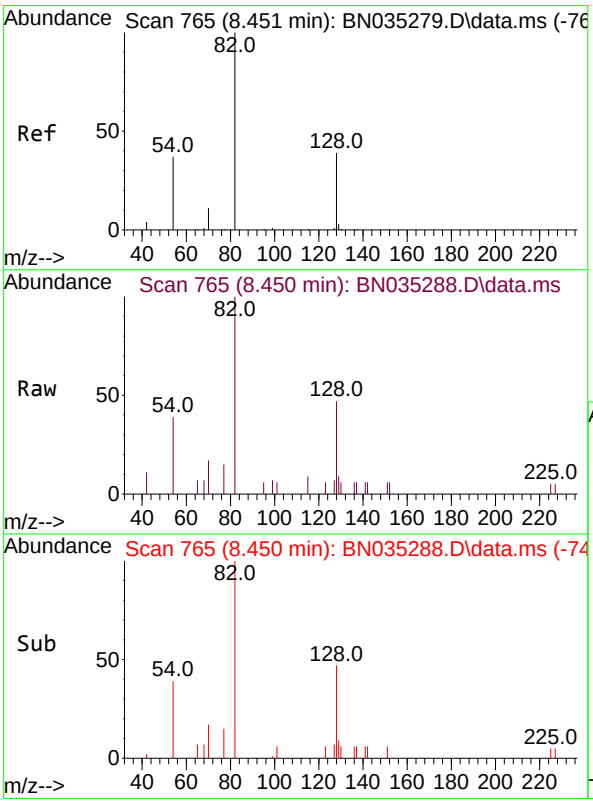
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.7	14.5
54	5.6	5.3	7.9
68	5.8	5.9	8.9#



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations
APPROVED

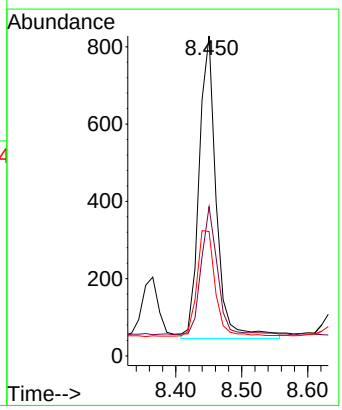
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

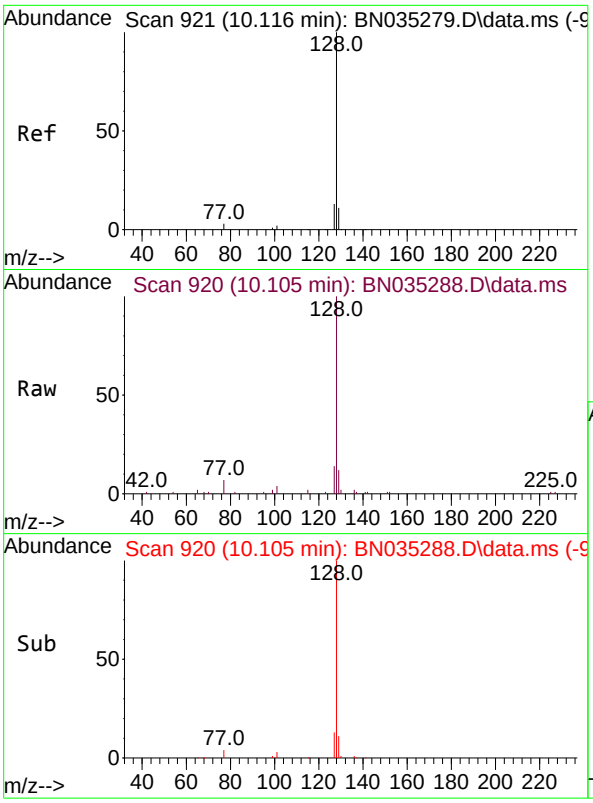


#8
Nitrobenzene-d5
Concen: 0.201 ng m
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion: 82 Resp: 1423

Ion	Ratio	Lower	Upper
82	100		
128	46.6	33.0	49.4
54	38.9	33.3	49.9

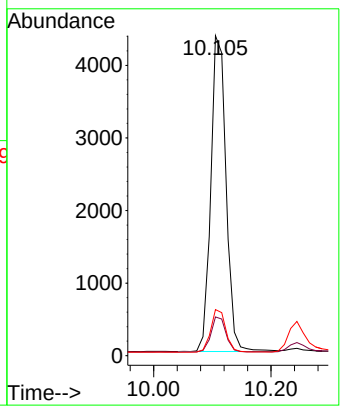




#9
Naphthalene
Concen: 0.324 ng
RT: 10.105 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:128 Resp: 785

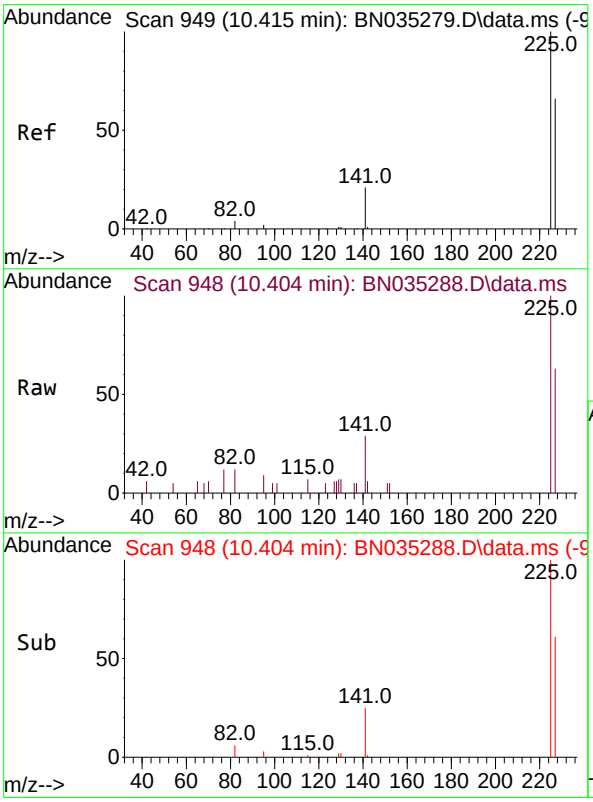
Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.6	14.4
127	14.4	11.3	16.9



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations
APPROVED

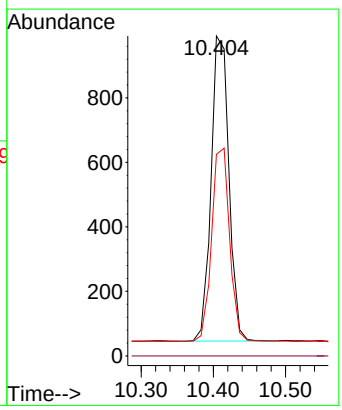
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

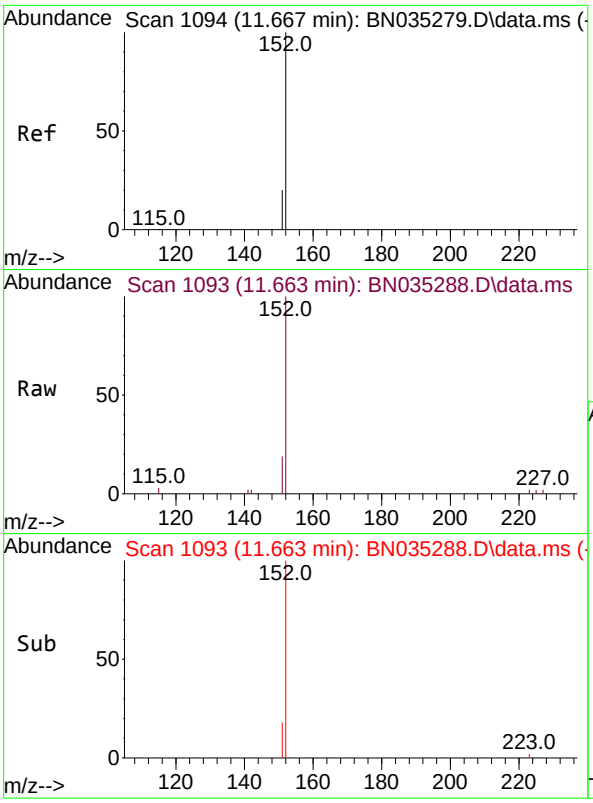


#10
Hexachlorobutadiene
Concen: 0.238 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:225 Resp: 1619

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.3	76.9





#11
2-Methylnaphthalene-d10
Concen: 0.386 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

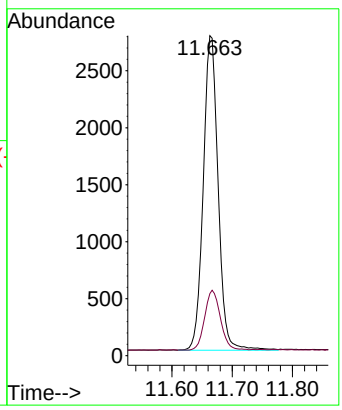
Tgt Ion:152 Resp: 472

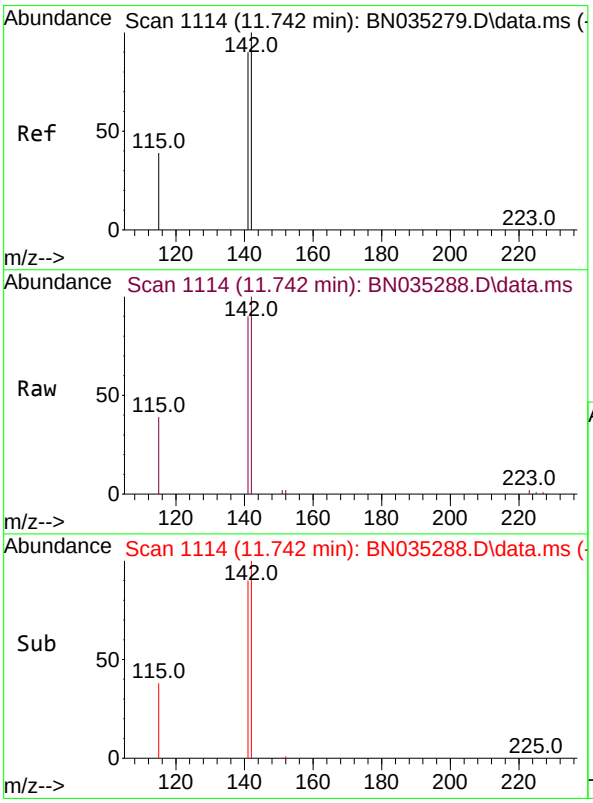
Ion	Ratio	Lower	Upper
152	100		
151	20.0	17.2	25.8

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

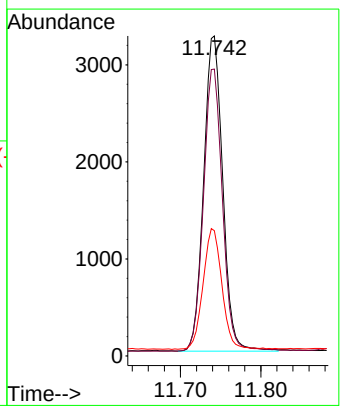


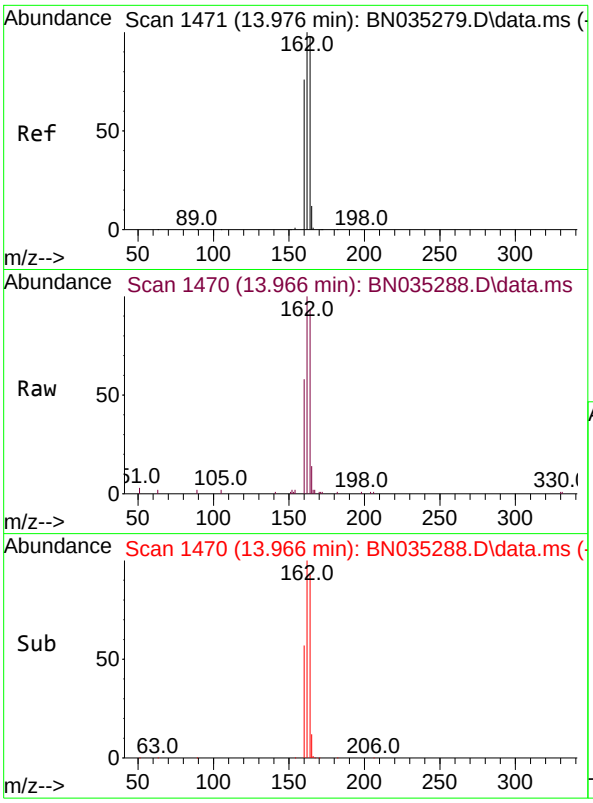


#12
2-Methylnaphthalene
Concen: 0.338 ng
RT: 11.742 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:142 Resp: 5352

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.8	107.8
115	39.2	32.6	49.0

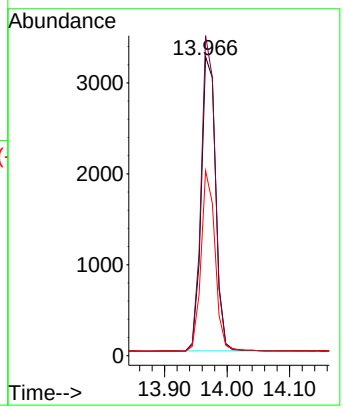




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.966 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:164 Resp: 520

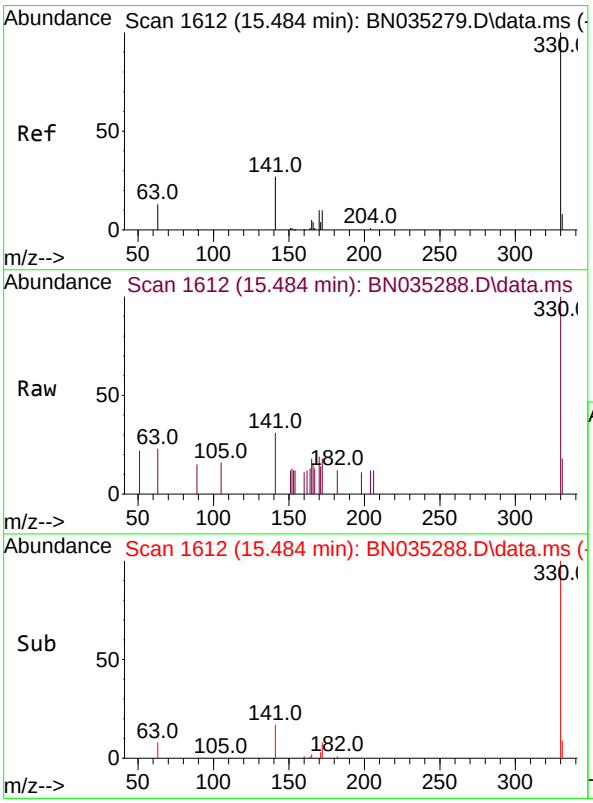
Ion	Ratio	Lower	Upper
164	100		
162	107.1	82.0	123.0
160	61.9	63.0	94.4



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations
APPROVED

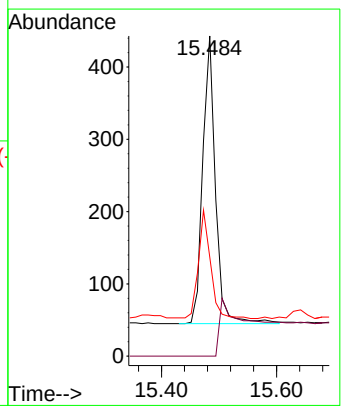
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

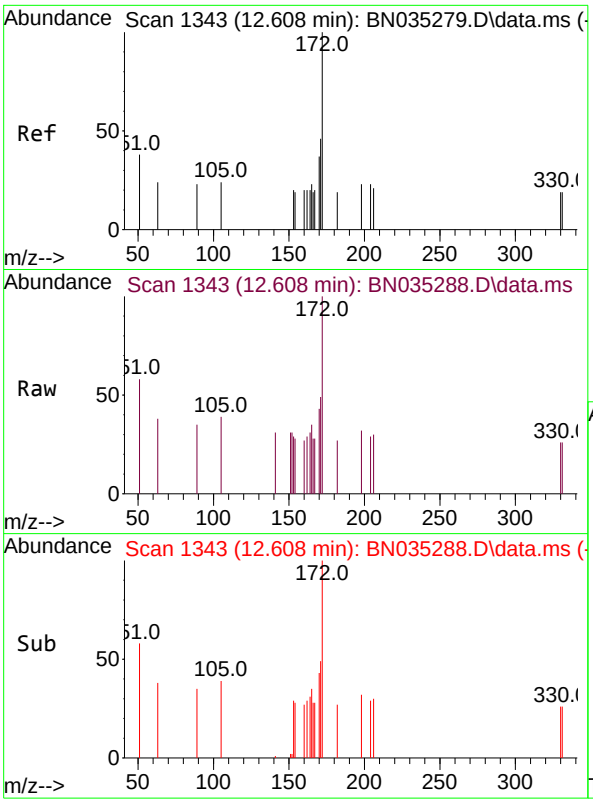


#14
2,4,6-Tribromophenol
Concen: 0.247 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:330 Resp: 658

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.4	32.4	48.6

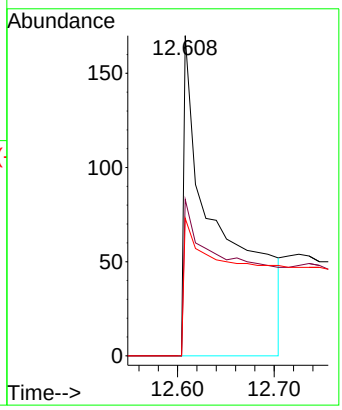




#15
2-Fluorobiphenyl
Concen: 0.146 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:172 Resp: 42

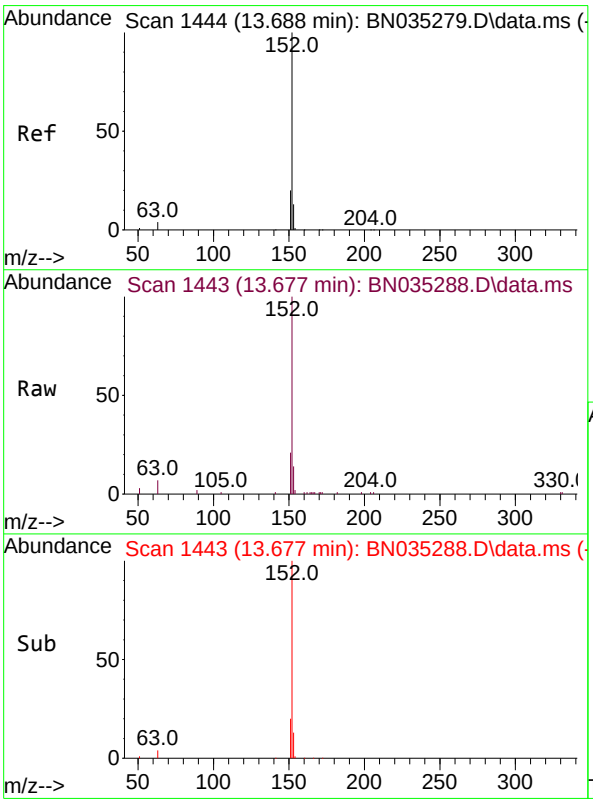
Ion	Ratio	Lower	Upper
172	100		
171	48.8	36.6	55.0
170	42.9	29.7	44.5



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations
APPROVED

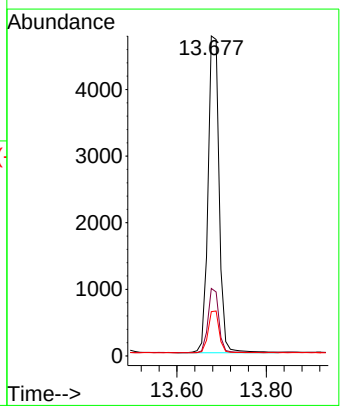
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

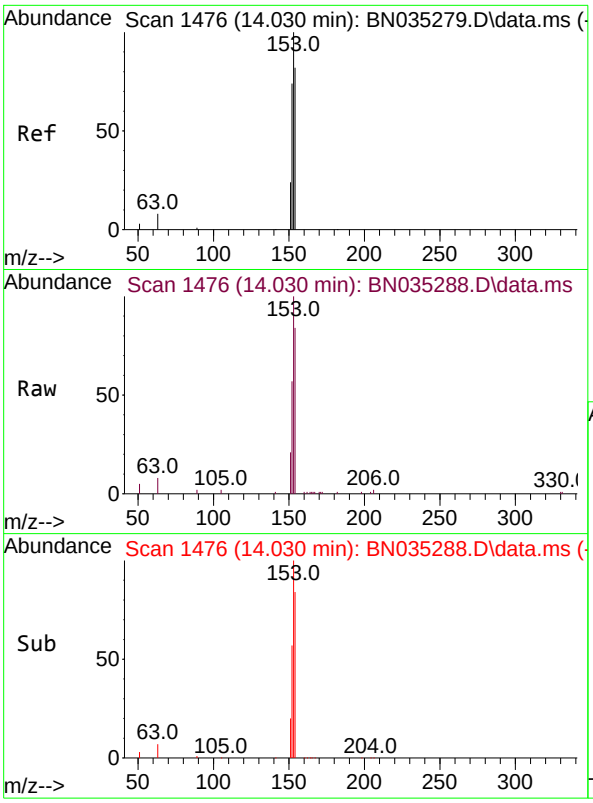


#16
Acenaphthylene
Concen: 0.312 ng
RT: 13.677 min Scan# 1443
Delta R.T. -0.011 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:152 Resp: 8167

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	13.1	10.2	15.4

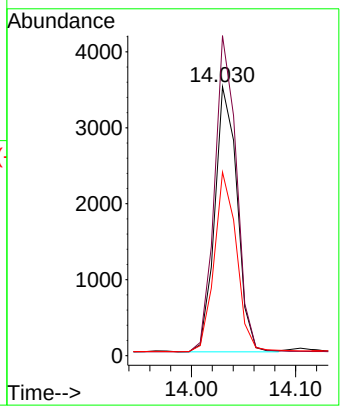




#17
Acenaphthene
Concen: 0.317 ng
RT: 14.030 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:154 Resp: 523(

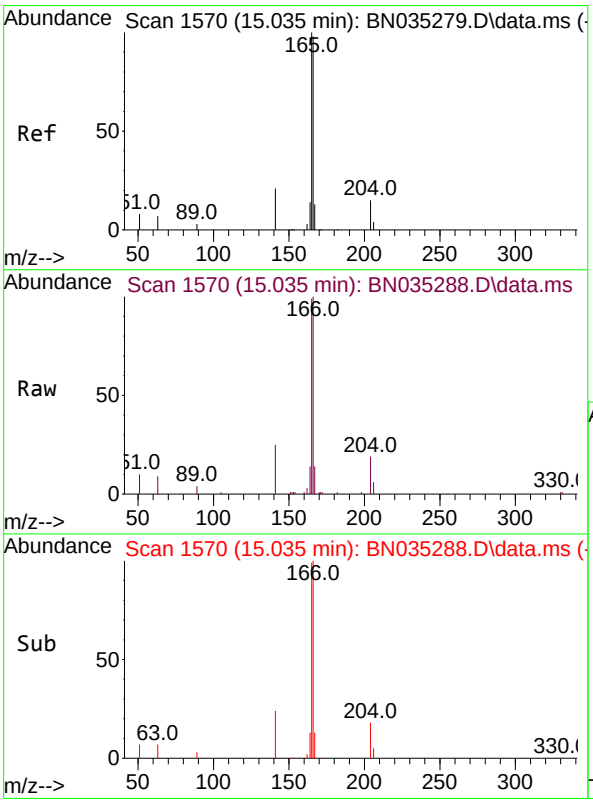
Ion	Ratio	Lower	Upper
154	100		
153	117.7	96.1	144.1
152	67.5	72.2	108.2#



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations
APPROVED

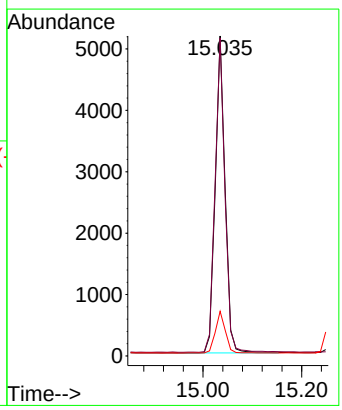
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

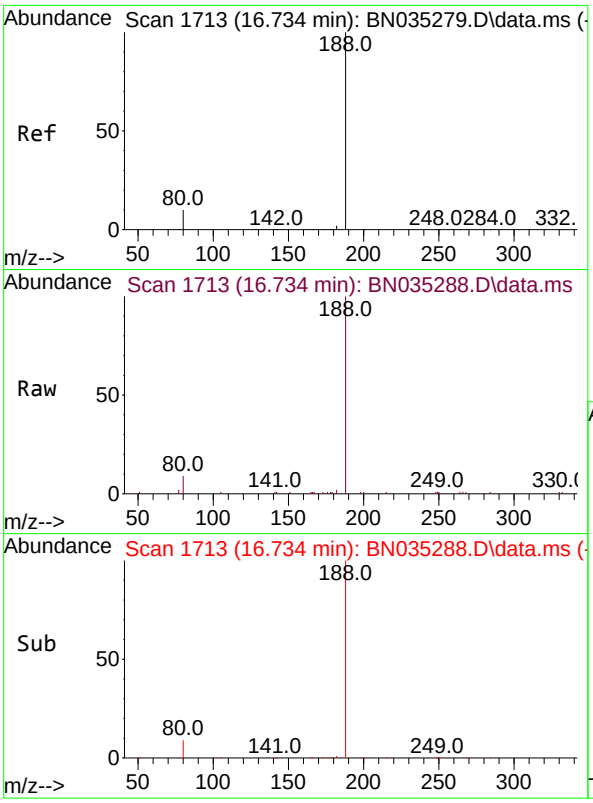


#18
Fluorene
Concen: 0.307 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:166 Resp: 7099

Ion	Ratio	Lower	Upper
166	100		
165	99.7	81.2	121.8
167	13.4	10.5	15.7

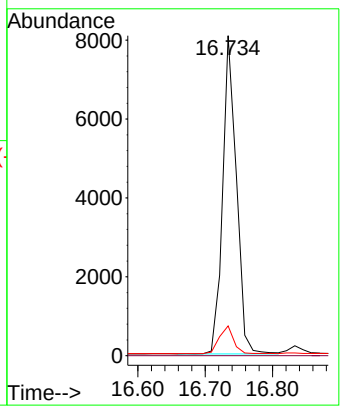




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

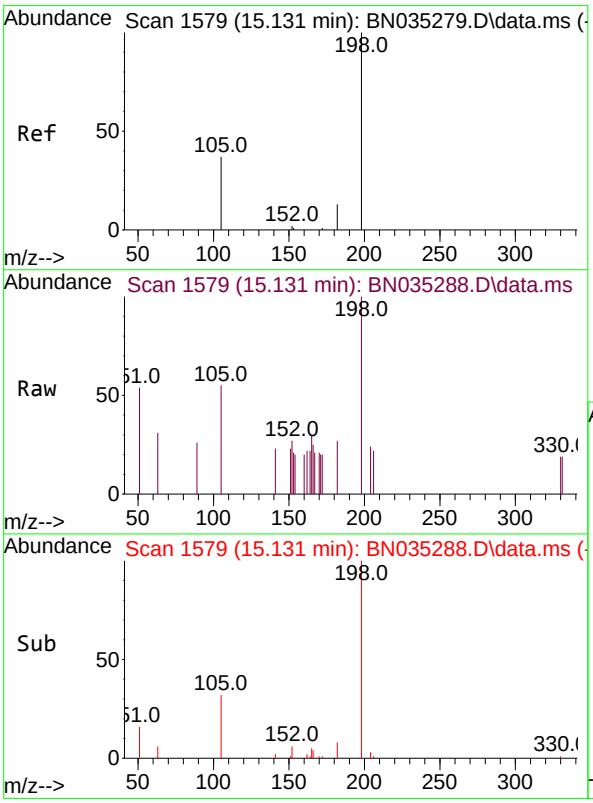
Tgt Ion:188 Resp: 1139

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.3	8.9	13.3



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

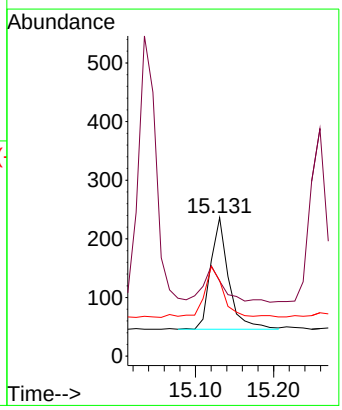
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

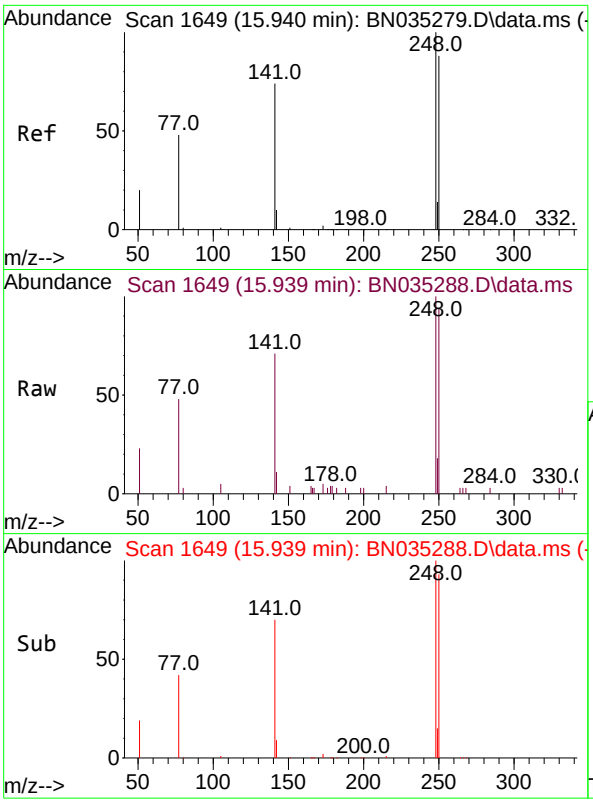


#20
4,6-Dinitro-2-methylphenol
Concen: 0.374 ng
RT: 15.131 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:198 Resp: 305

Ion	Ratio	Lower	Upper
198	100		
51	54.2	53.6	80.4
105	54.7	47.4	71.2





#21
4-Bromophenyl-phenylether
Concen: 0.356 ng
RT: 15.939 min Scan# 1(
Delta R.T. -0.001 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

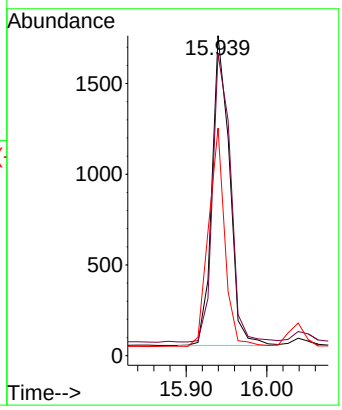
Tgt Ion:248 Resp: 257

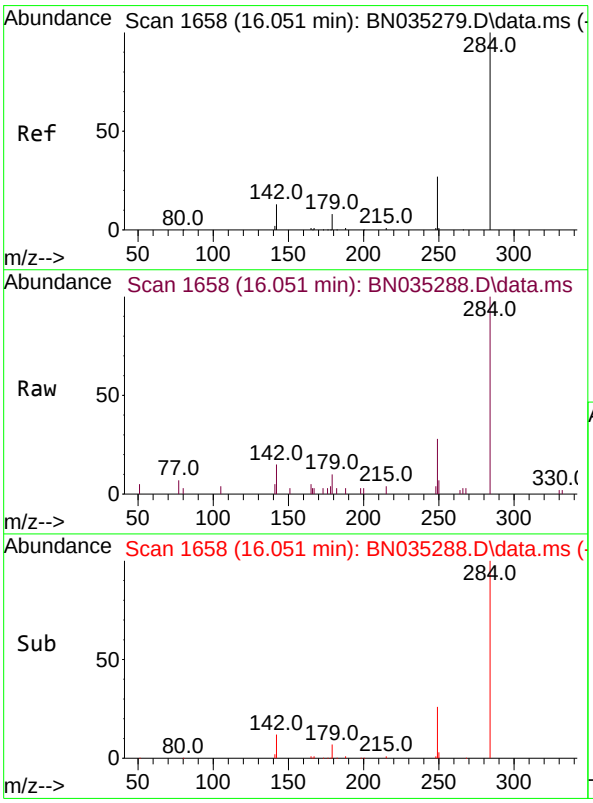
Ion	Ratio	Lower	Upper
248	100		
250	94.3	74.8	112.2
141	71.1	59.0	88.4

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

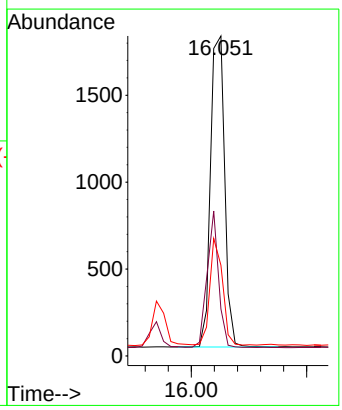


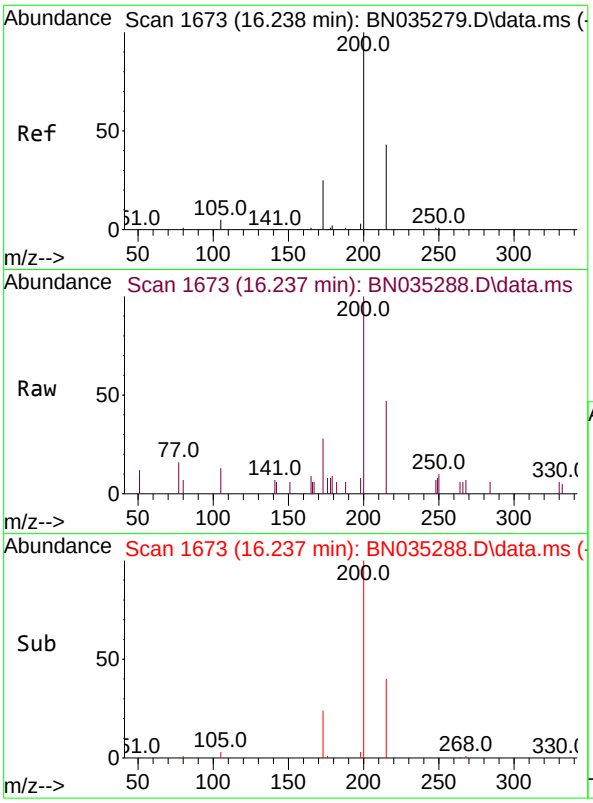


#22
Hexachlorobenzene
Concen: 0.292 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:284 Resp: 3029

Ion	Ratio	Lower	Upper
284	100		
142	36.0	28.7	43.1
249	30.9	25.4	38.0

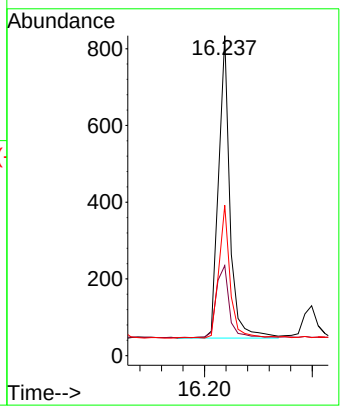




#23
Atrazine
Concen: 0.379 ng
RT: 16.237 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:200 Resp: 115

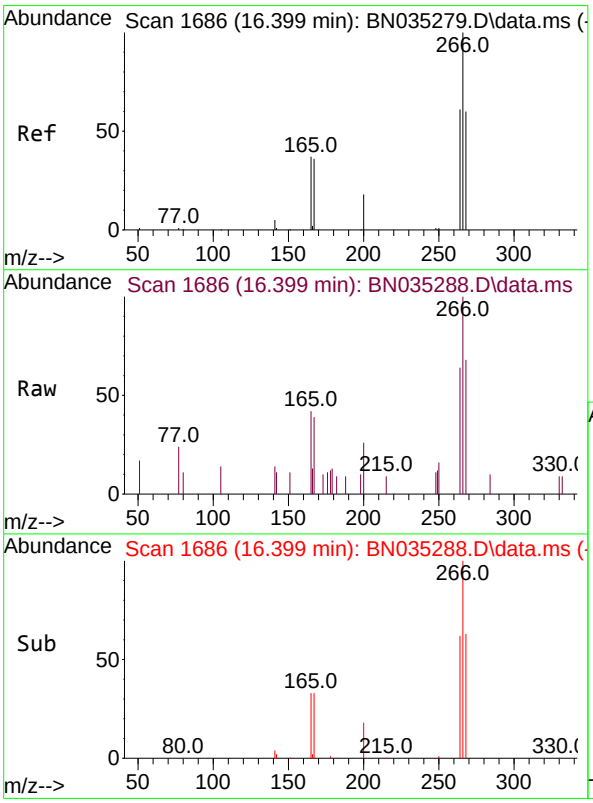
Ion	Ratio	Lower	Upper
200	100		
173	28.2	25.8	38.8
215	47.0	38.6	58.0



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations
APPROVED

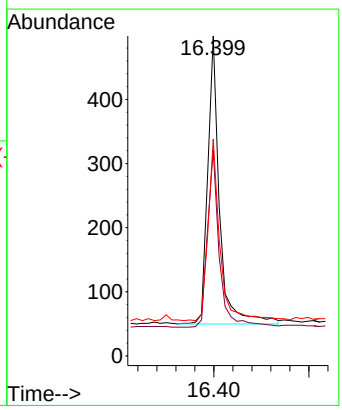
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

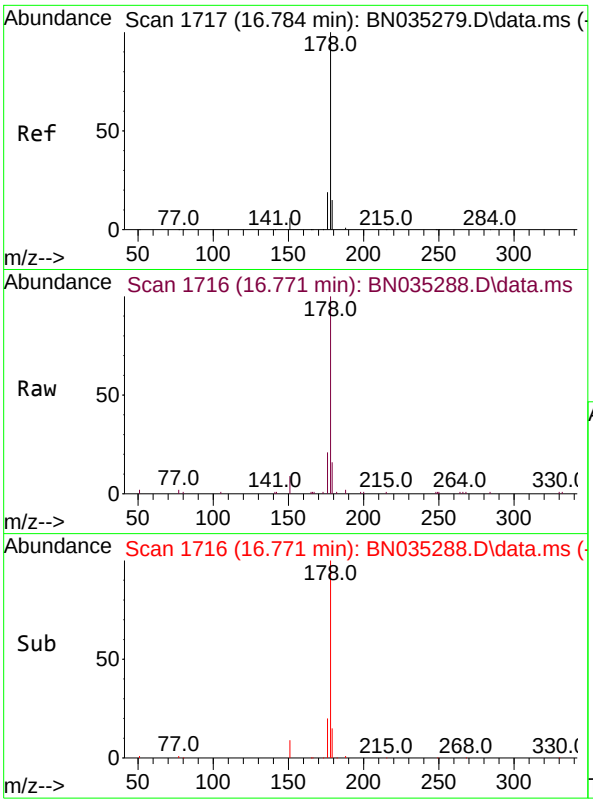


#24
Pentachlorophenol
Concen: 0.312 ng
RT: 16.399 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:266 Resp: 774

Ion	Ratio	Lower	Upper
266	100		
264	61.9	49.3	73.9
268	63.3	48.6	73.0

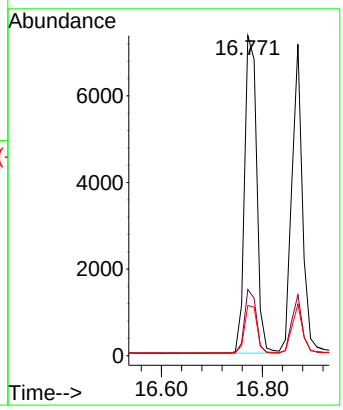




#25
Phenanthrene
Concen: 0.352 ng
RT: 16.771 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:178 Resp: 1230

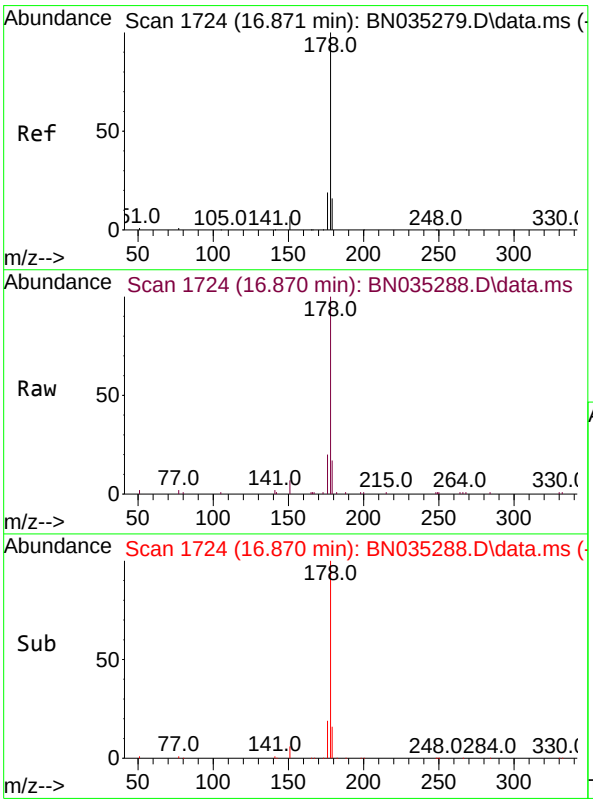
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.3	12.6	18.8



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations
APPROVED

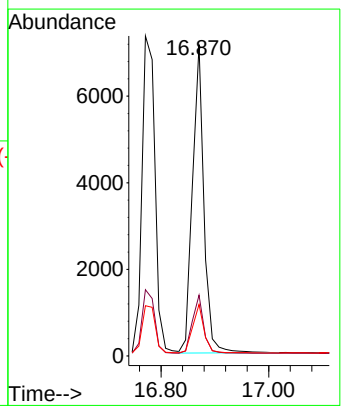
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

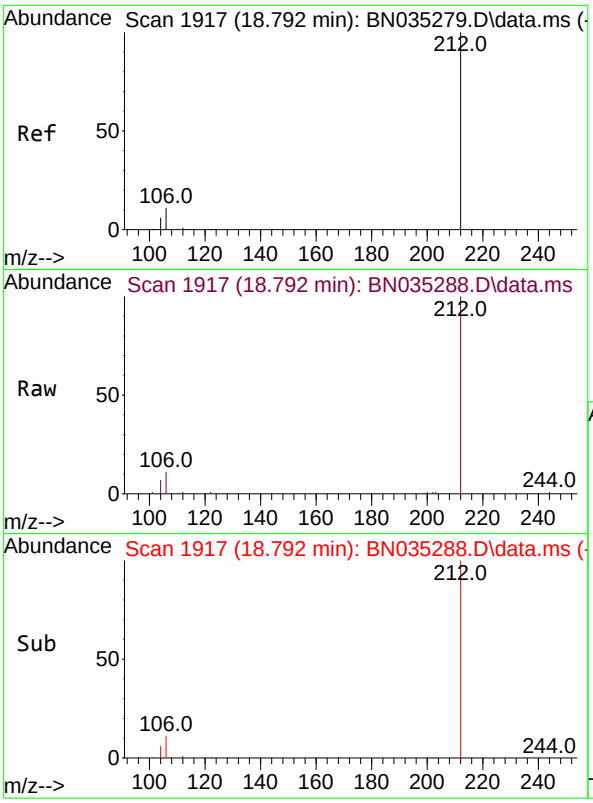


#26
Anthracene
Concen: 0.350 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:178 Resp: 10530

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.7	12.4	18.6

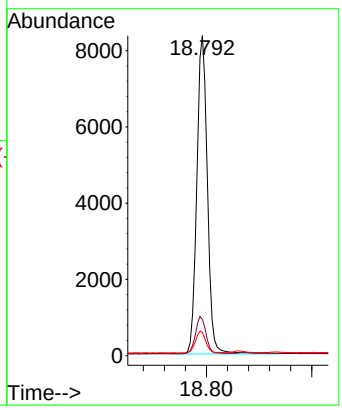




#27
Fluoranthene-d10
Concen: 0.381 ng
RT: 18.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:212 Resp: 1163

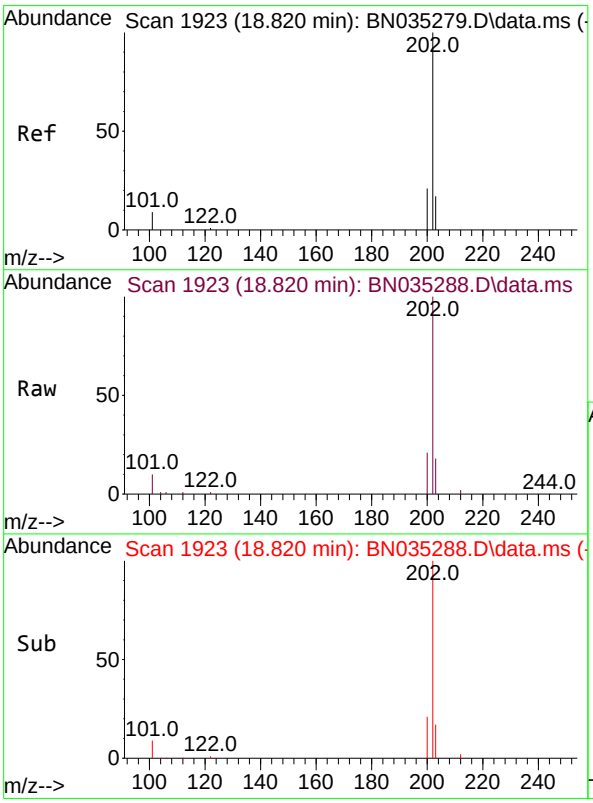
Ion	Ratio	Lower	Upper
212	100		
106	11.5	9.8	14.8
104	6.7	5.6	8.4



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations
APPROVED

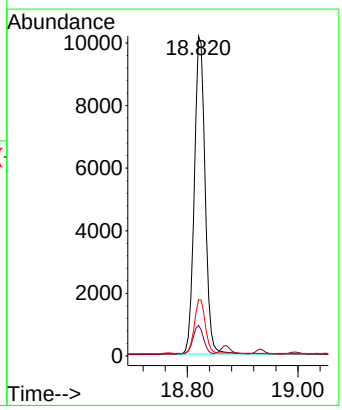
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

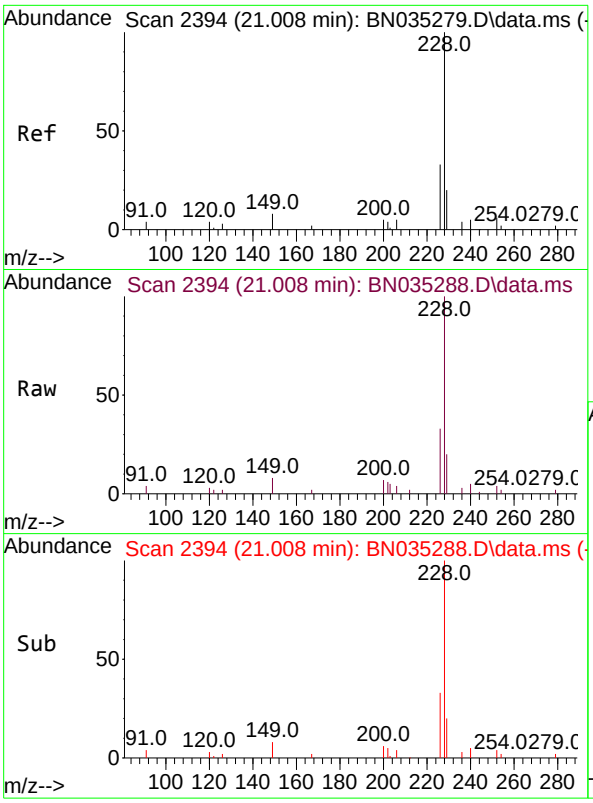


#28
Fluoranthene
Concen: 0.312 ng
RT: 18.820 min Scan# 1923
Delta R.T. 0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:202 Resp: 13774

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.6	11.4
203	17.0	13.8	20.8

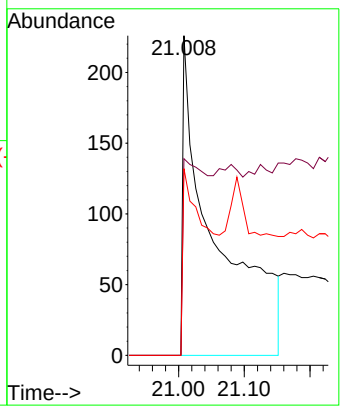




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:240 Resp: 74

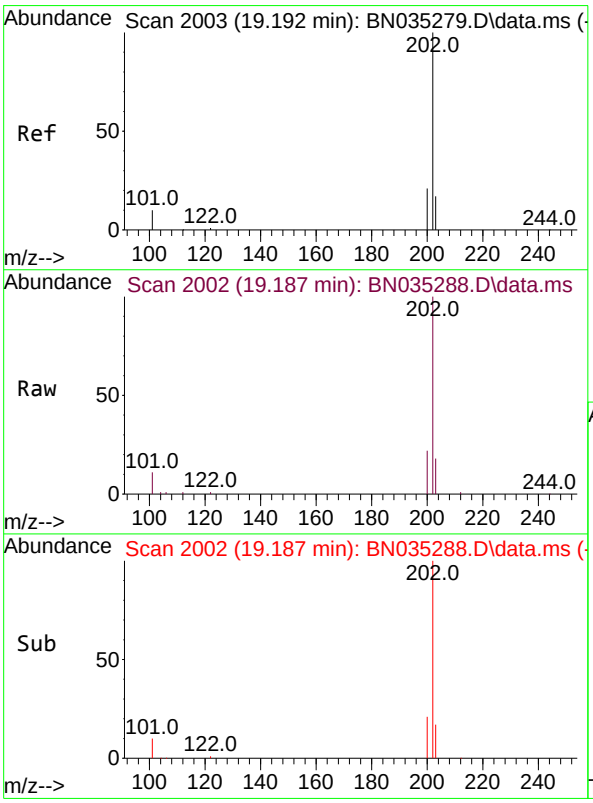
Ion	Ratio	Lower	Upper
240	100		
120	61.5	54.9	82.3
236	58.4	54.0	81.0



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations
APPROVED

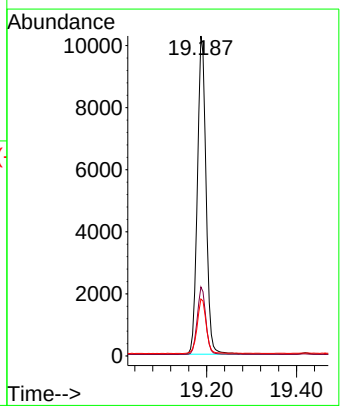
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

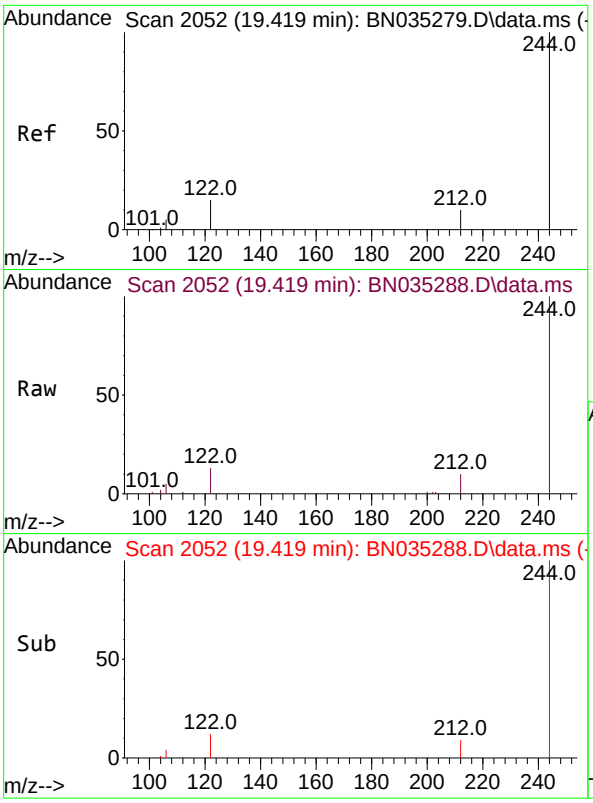


#30
Pyrene
Concen: 0.511 ng
RT: 19.187 min Scan# 2002
Delta R.T. -0.005 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:202 Resp: 13805

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.6	14.4	21.6





#31
Terphenyl-d14
Concen: 0.768 ng
RT: 19.419 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

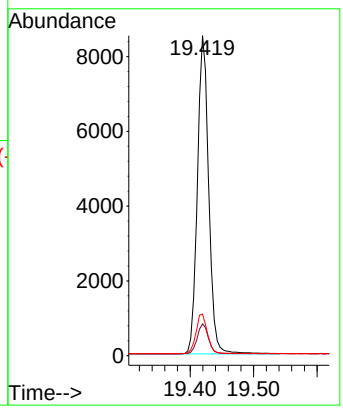
Tgt Ion:244 Resp: 1054

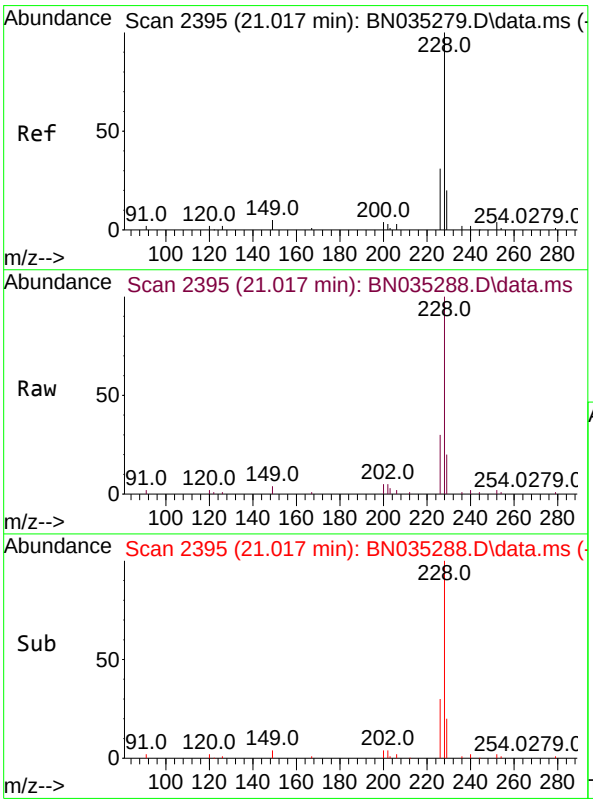
Ion	Ratio	Lower	Upper
244	100		
212	10.0	9.4	14.0
122	13.0	13.0	19.4

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

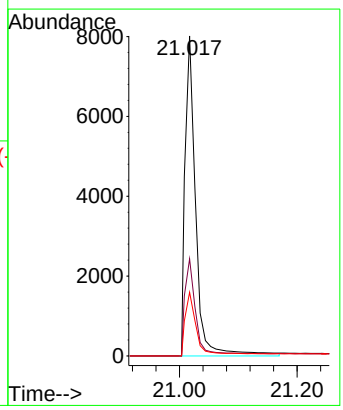


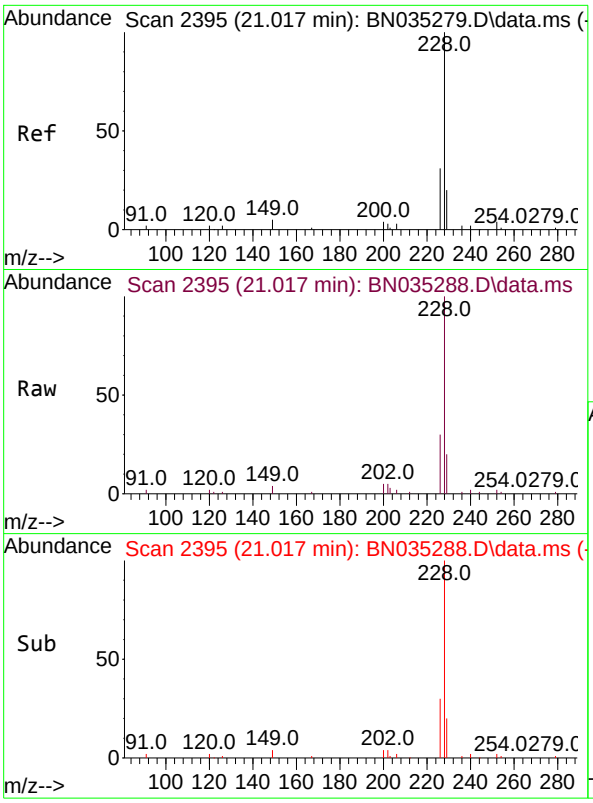


#32
Benzo(a)anthracene
Concen: 0.390 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:228 Resp: 10096

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	19.9	16.2	24.2

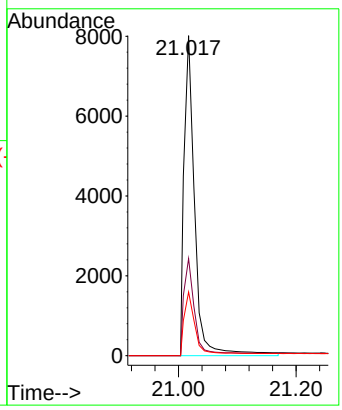




#33
Chrysene
Concen: 0.390 ng
RT: 21.017 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:228 Resp: 1009

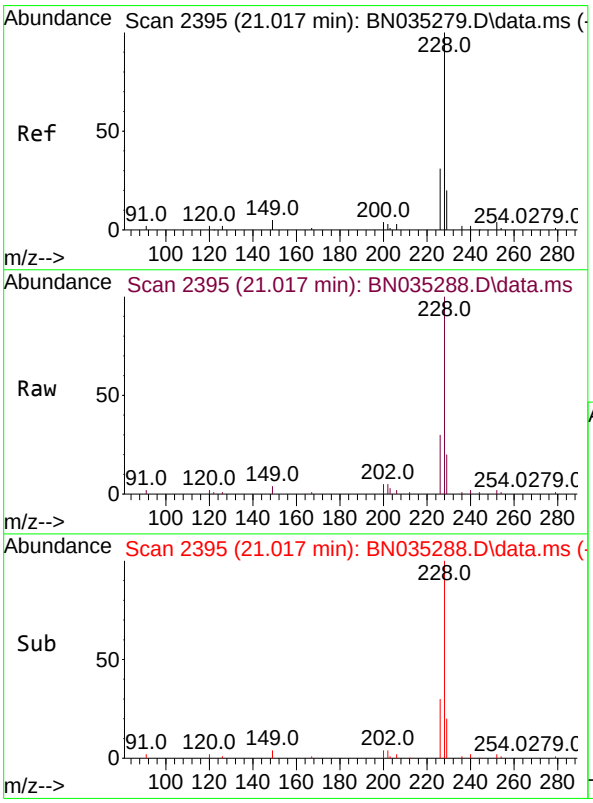
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	19.9	16.2	24.2



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations
APPROVED

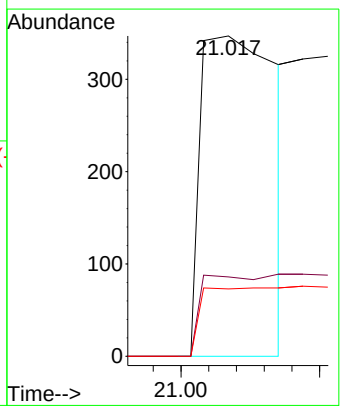
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

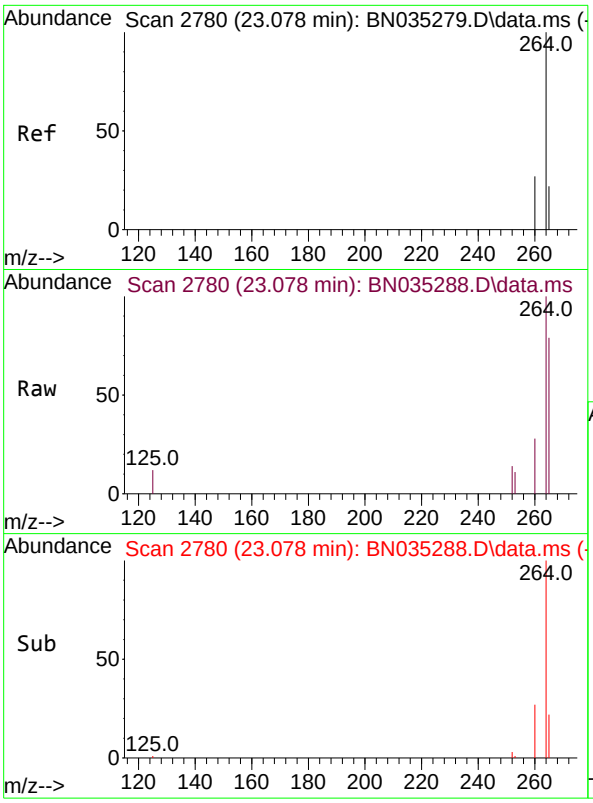


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.407 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:149 Resp: 578

Ion	Ratio	Lower	Upper
149	100		
167	18.2	0.0	0.0#
279	0.0	13.0	19.6#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.078 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

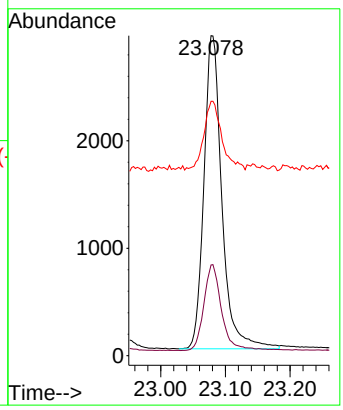
Tgt Ion:264 Resp: 561

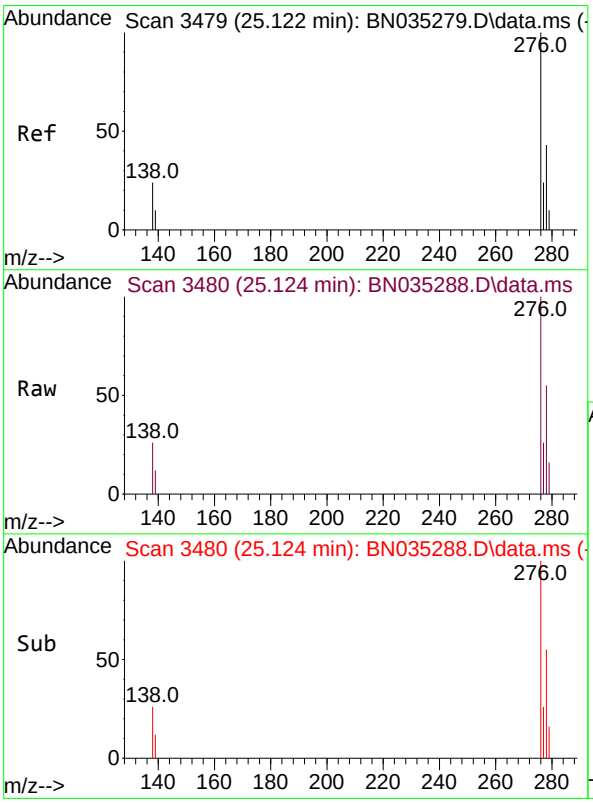
Ion	Ratio	Lower	Upper
264	100		
260	28.4	22.3	33.5
265	79.5	68.6	103.0

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

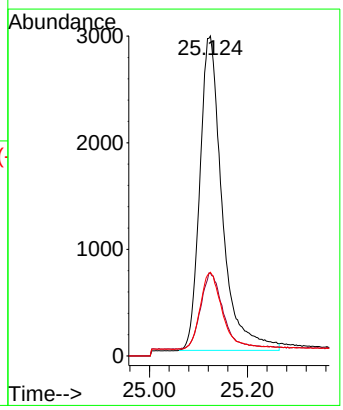


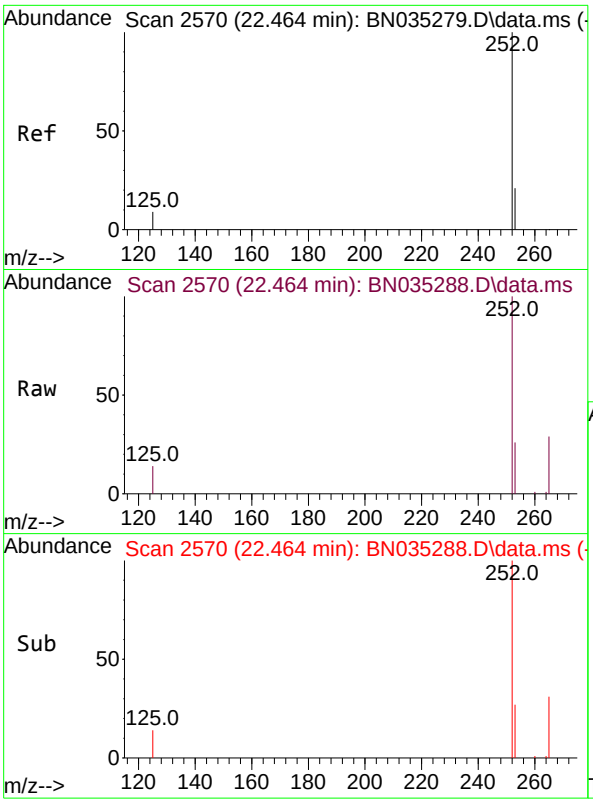


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.407 ng
RT: 25.124 min Scan# 3480
Delta R.T. 0.003 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:276 Resp: 9354

Ion	Ratio	Lower	Upper
276	100		
138	23.4	18.8	28.2
277	24.0	18.2	27.4

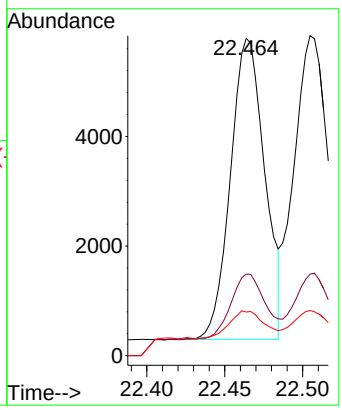




#37
Benzo(b)fluoranthene
Concen: 0.344 ng
RT: 22.464 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:252 Resp: 840

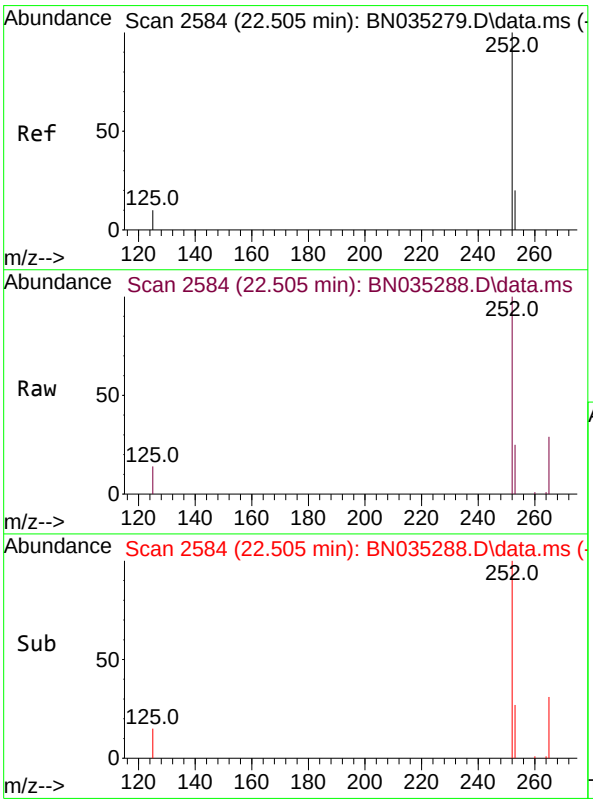
Ion	Ratio	Lower	Upper
252	100		
253	25.7	20.2	30.2
125	13.8	12.0	18.0



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations
APPROVED

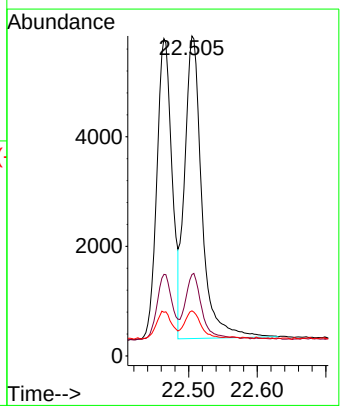
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

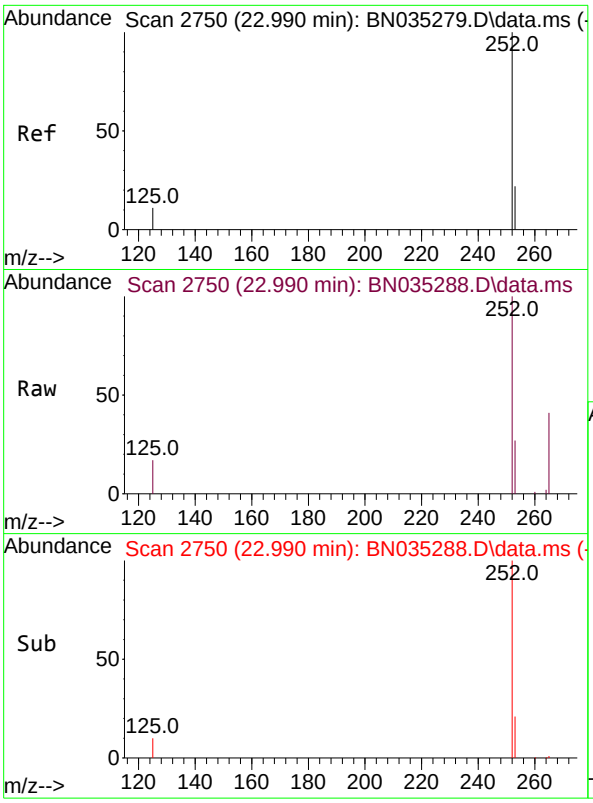


#38
Benzo(k)fluoranthene
Concen: 0.372 ng
RT: 22.505 min Scan# 2584
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:252 Resp: 9589

Ion	Ratio	Lower	Upper
252	100		
253	25.5	20.1	30.1
125	14.1	12.7	19.1

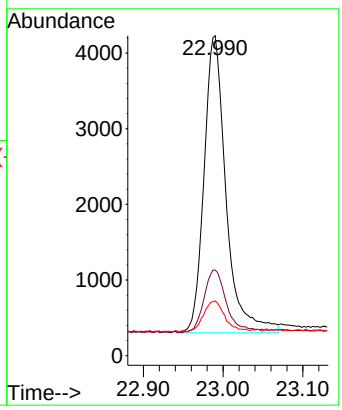




#39
Benzo(a)pyrene
Concen: 0.404 ng
RT: 22.990 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:252 Resp: 753

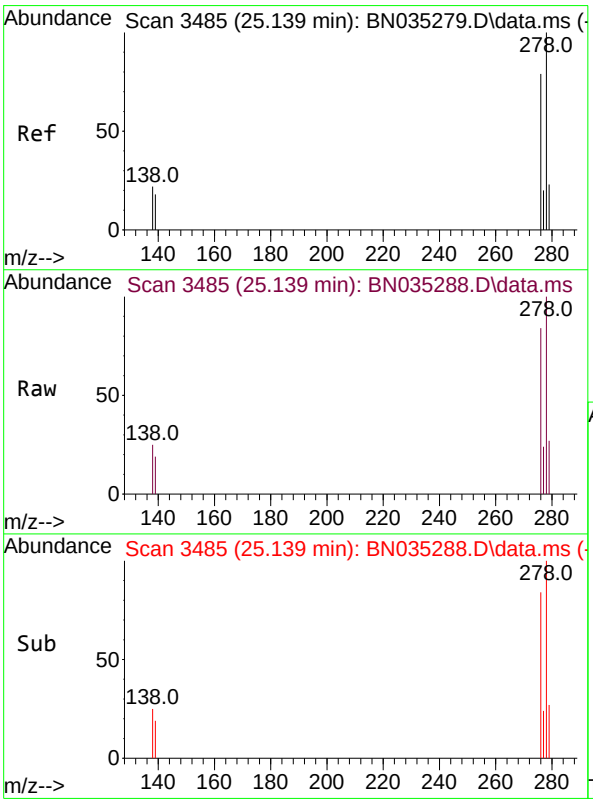
Ion	Ratio	Lower	Upper
252	100		
253	26.7	22.3	33.5
125	17.1	15.3	22.9



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations
APPROVED

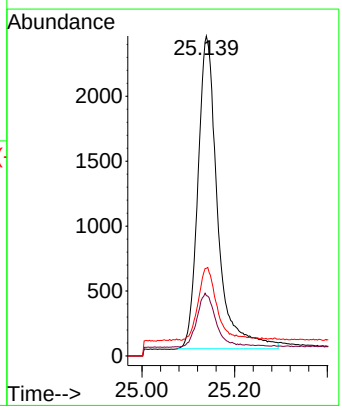
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

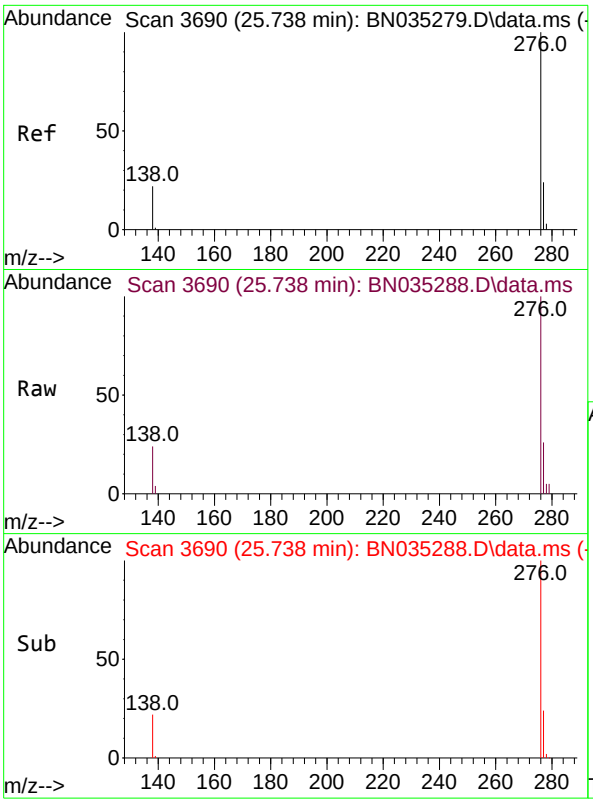


#40
Dibenzo(a,h)anthracene
Concen: 0.410 ng
RT: 25.139 min Scan# 3485
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:278 Resp: 7128

Ion	Ratio	Lower	Upper
278	100		
139	18.9	17.0	25.6
279	27.4	23.0	34.4

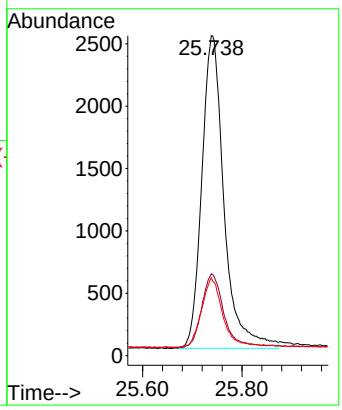




#41
Benzo(g,h,i)perylene
Concen: 0.387 ng
RT: 25.738 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:276 Resp: 778

Ion	Ratio	Lower	Upper
276	100		
277	25.6	21.1	31.7
138	24.4	19.8	29.8



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	11/19/24
Project:	CTO WE13	Date Received:	11/20/24
Client Sample ID:	BPOW6-10-20241119MSD	SDG No.:	P4934
Lab Sample ID:	P4934-07MSD	Matrix:	Water
Analytical Method:	SW8270SIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035289.D	1	11/21/24 08:27	11/25/24 18:08	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.22		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.41		30 - 150		101%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.43		30 - 150		106%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.21	*	55 - 111		51%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.26		53 - 106		65%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.87	*	58 - 132		216%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3340	7.315				
1146-65-2	Naphthalene-d8	8130	10.063				
15067-26-2	Acenaphthene-d10	4890	13.973				
1517-22-2	Phenanthrene-d10	10900	16.741				
1719-03-5	Chrysene-d12	706	21.006				
1520-96-3	Perylene-d12	5500	23.078				

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\BN112524\
Data File : BN035289.D
Acq On : 25 Nov 2024 18:08
Operator : RC/JU
Sample : P4934-07MSD
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 26 03:31:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.315	152	3339	0.400	ng		0.00
7) Naphthalene-d8	10.063	136	8134	0.400	ng	#	0.00
13) Acenaphthene-d10	13.973	164	4891	0.400	ng	#	0.00
19) Phenanthrene-d10	16.741	188	10884	0.400	ng	#	0.00
29) Chrysene-d12	21.006	240	706	0.400	ng	#	0.00
35) Perylene-d12	23.078	264	5495	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.968	112	1508	0.239	ng		0.00
5) Phenol-d6	6.521	99	1353	0.154	ng		0.00
8) Nitrobenzene-d5	8.451	82	1352m	0.205	ng		0.00
11) 2-Methylnaphthalene-d10	11.663	152	4611	0.405	ng		0.00
14) 2,4,6-Tribromophenol	15.480	330	693	0.278	ng		0.00
15) 2-Fluorobiphenyl	12.604	172	705	0.261	ng		0.00
27) Fluoranthene-d10	18.790	212	12387	0.425	ng		0.00
31) Terphenyl-d14	19.422	244	11299	0.866	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.003	88	513	0.214	ng		98
3) n-Nitrosodimethylamine	3.300	42	342	0.137	ng	#	66
6) bis(2-Chloroethyl)ether	6.766	93	2896	0.390	ng		100
9) Naphthalene	10.105	128	7573	0.336	ng		99
10) Hexachlorobutadiene	10.404	225	1554	0.245	ng	#	100
12) 2-Methylnaphthalene	11.742	142	5217	0.353	ng		99
16) Acenaphthylene	13.684	152	8019	0.326	ng		99
17) Acenaphthene	14.037	154	5118	0.330	ng	#	88
18) Fluorene	15.031	166	7060	0.325	ng		98
20) 4,6-Dinitro-2-methylph...	15.127	198	326	0.396	ng		93
21) 4-Bromophenyl-phenylether	15.947	248	2609	0.378	ng	#	78
22) Hexachlorobenzene	16.046	284	2959	0.299	ng		100
23) Atrazine	16.232	200	1177	0.405	ng		100
24) Pentachlorophenol	16.393	266	881	0.371	ng		98
25) Phenanthrene	16.778	178	12541	0.375	ng		100
26) Anthracene	16.865	178	10829	0.377	ng		100
28) Fluoranthene	18.823	202	14601	0.346	ng		99
30) Pyrene	19.189	202	14755	0.575	ng		100
32) Benzo(a)anthracene	21.015	228	11175	0.455	ng		99
33) Chrysene	21.015	228	11175	0.455	ng		99
34) Bis(2-ethylhexyl)phtha...	21.006	149	746	0.552	ng	#	97
36) Indeno(1,2,3-cd)pyrene	25.122	276	9501	0.422	ng		99
37) Benzo(b)fluoranthene	22.464	252	8918	0.373	ng		99
38) Benzo(k)fluoranthene	22.505	252	9698	0.384	ng		97
39) Benzo(a)pyrene	22.988	252	7735	0.424	ng		97
40) Dibenzo(a,h)anthracene	25.140	278	7121	0.419	ng		97
41) Benzo(g,h,i)perylene	25.739	276	7906	0.402	ng		98

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

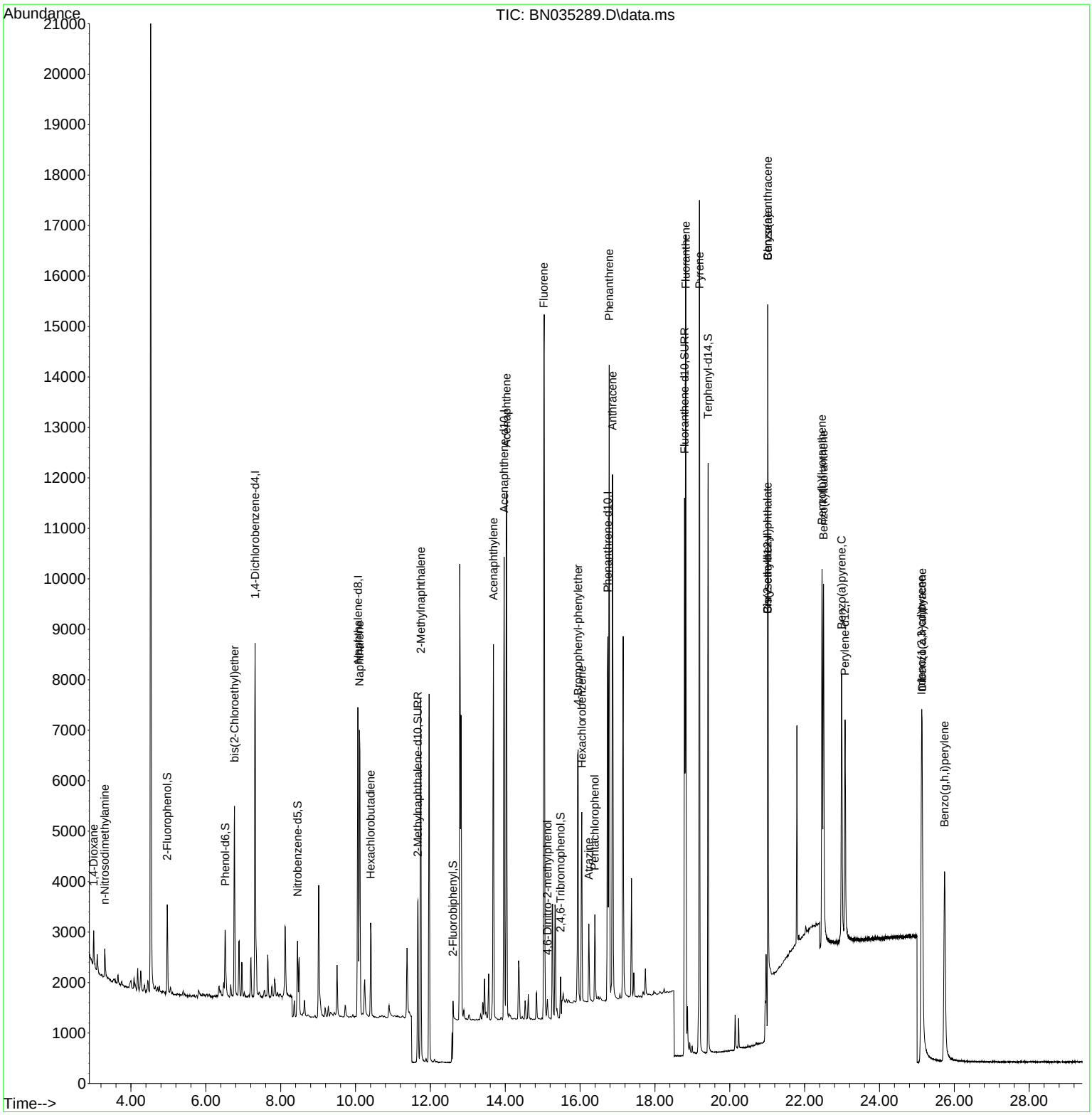
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035289.D
Acq On : 25 Nov 2024 18:08
Operator : RC/JU
Sample : P4934-07MSD
Misc :
ALS Vial : 65 Sample Multiplier: 1

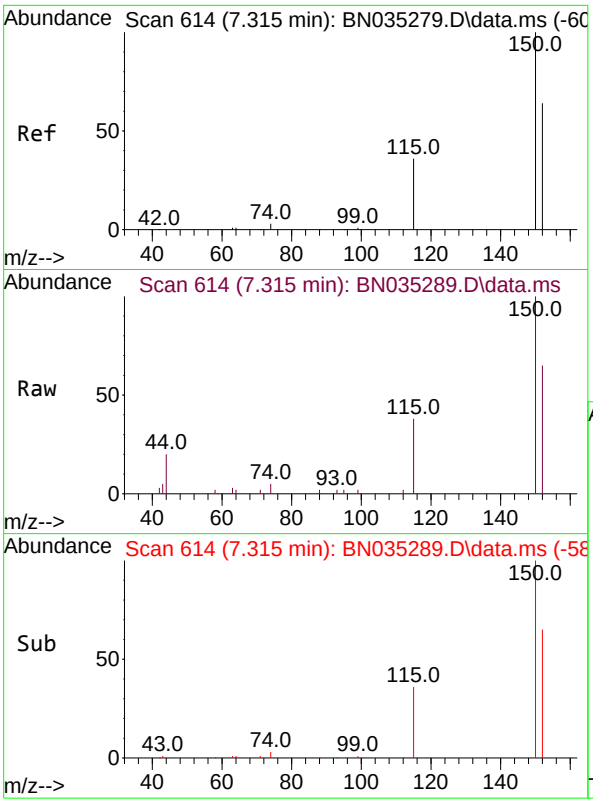
Quant Time: Nov 26 03:31:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

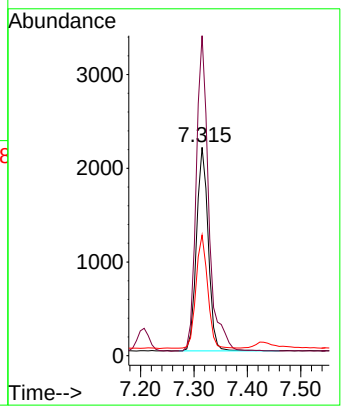




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:152 Resp: 333

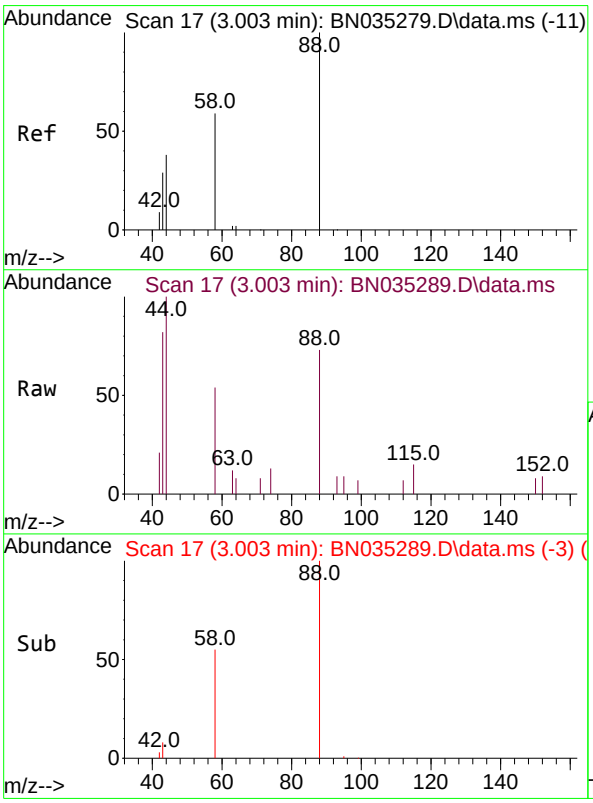
Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.5	186.7
115	57.9	47.8	71.8



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations
APPROVED

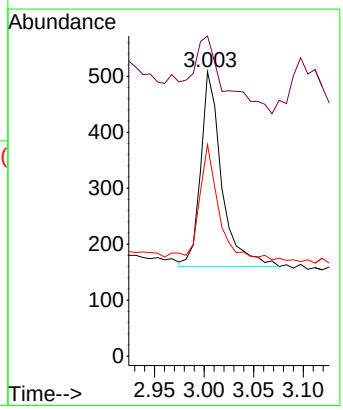
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

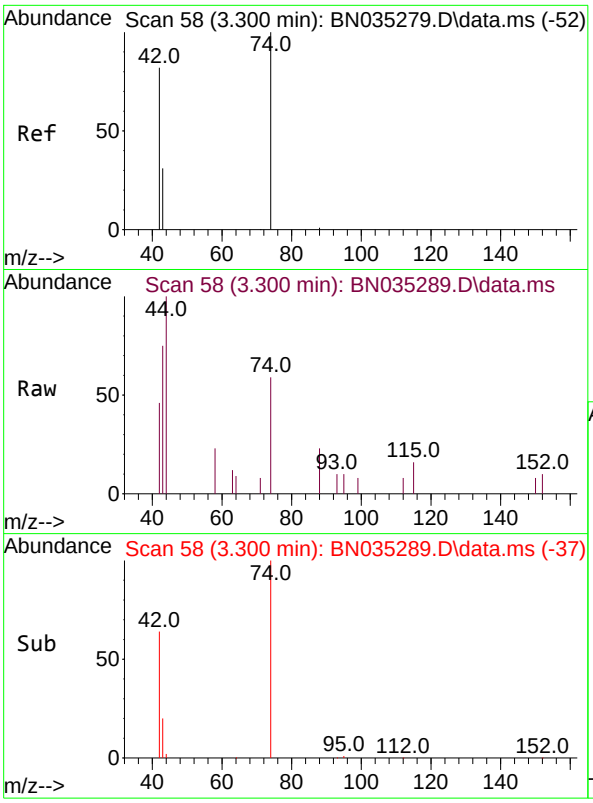


#2
1,4-Dioxane
Concen: 0.214 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion: 88 Resp: 513

Ion	Ratio	Lower	Upper
88	100		
43	60.2	48.1	72.1
58	55.2	46.9	70.3

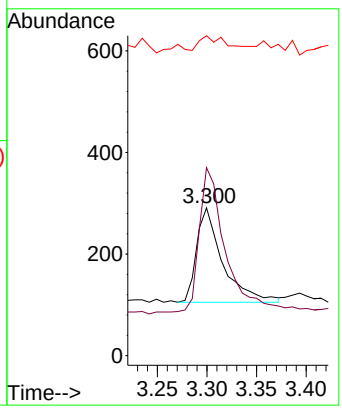




#3
n-Nitrosodimethylamine
Concen: 0.137 ng
RT: 3.300 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion: 42 Resp: 34

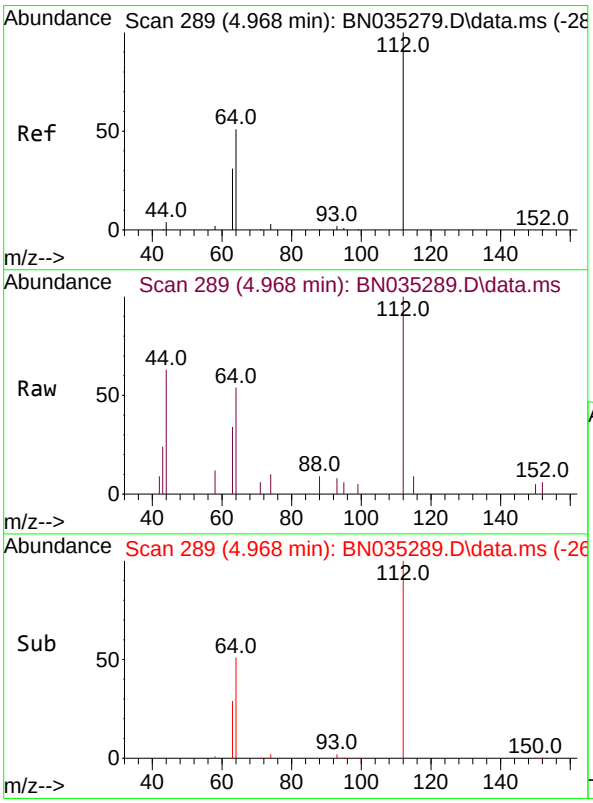
Ion	Ratio	Lower	Upper
42	100		
74	165.8	102.7	154.1#
44	17.3	34.1	51.1#



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations APPROVED

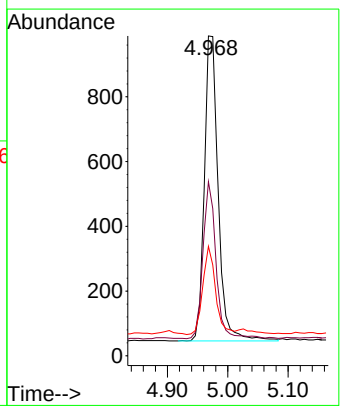
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

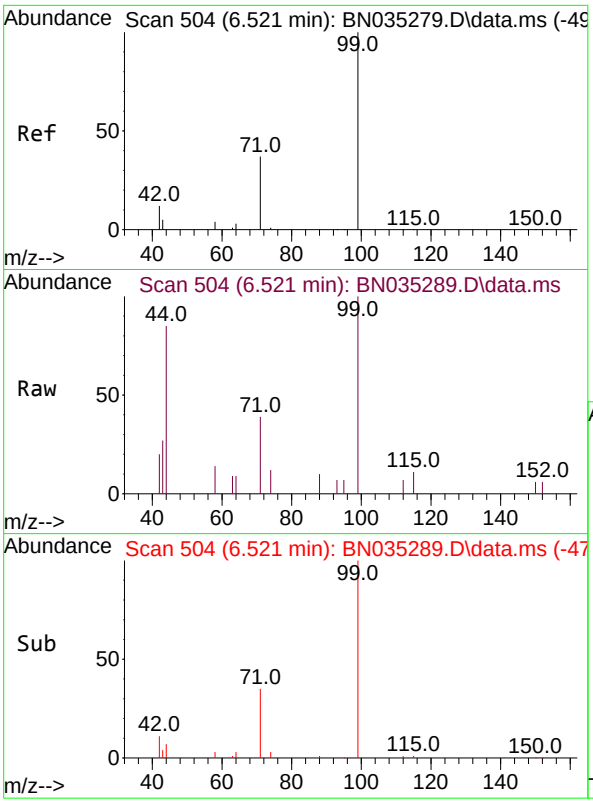


#4
2-Fluorophenol
Concen: 0.239 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:112 Resp: 1508

Ion	Ratio	Lower	Upper
112	100		
64	48.6	40.4	60.6
63	26.7	23.8	35.8

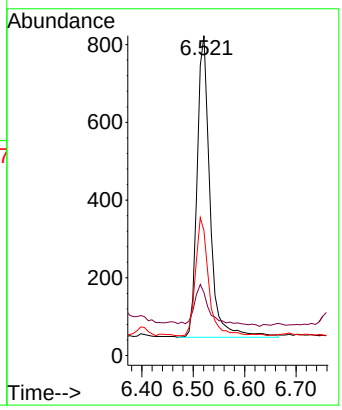




#5
Phenol-d6
Concen: 0.154 ng
RT: 6.521 min Scan# 5(
Delta R.T. 0.000 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion: 99 Resp: 135

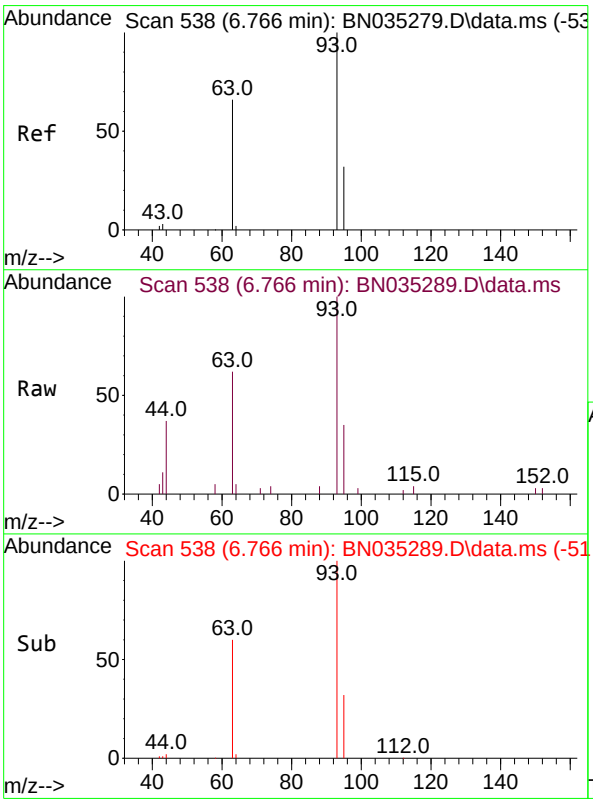
Ion	Ratio	Lower	Upper
99	100		
42	16.9	12.8	19.2
71	39.3	31.4	47.2



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations
APPROVED

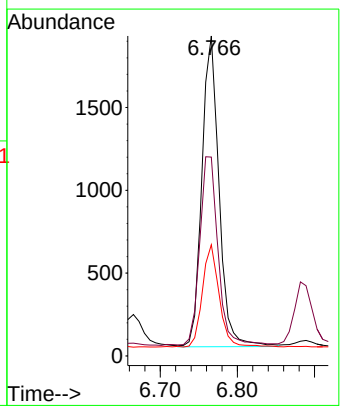
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

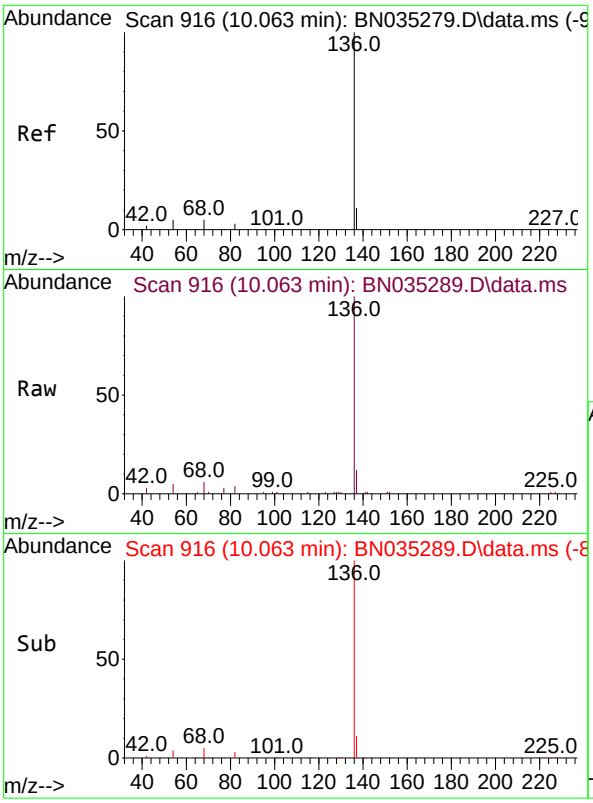


#6
bis(2-Chloroethyl)ether
Concen: 0.390 ng
RT: 6.766 min Scan# 538
Delta R.T. 0.000 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion: 93 Resp: 2896

Ion	Ratio	Lower	Upper
93	100		
63	64.9	52.3	78.5
95	32.0	25.5	38.3

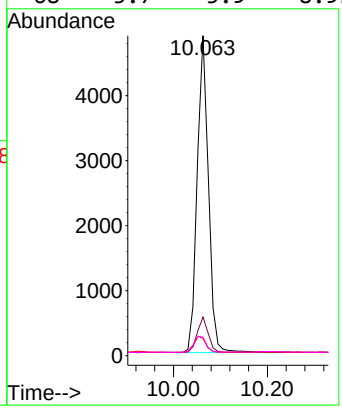




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:136 Resp: 8134

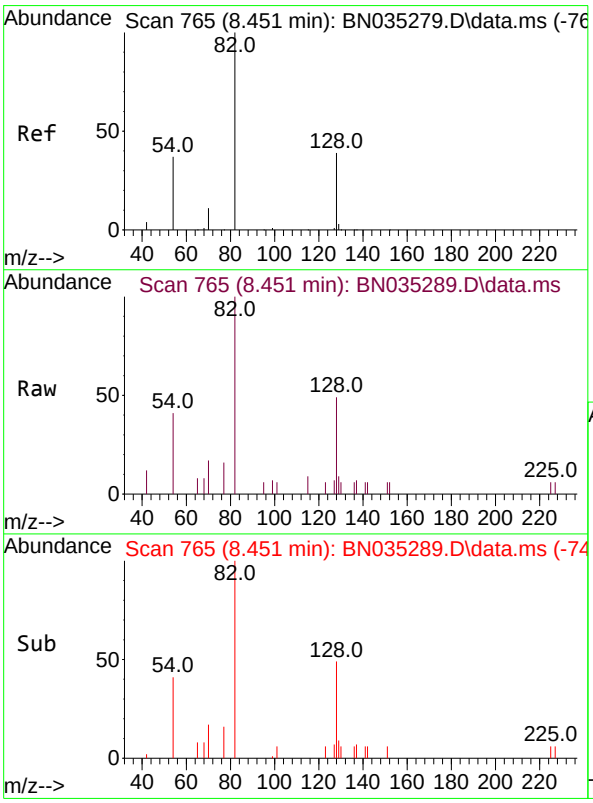
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.7	14.5
54	5.4	5.3	7.9
68	5.7	5.9	8.9#



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations APPROVED

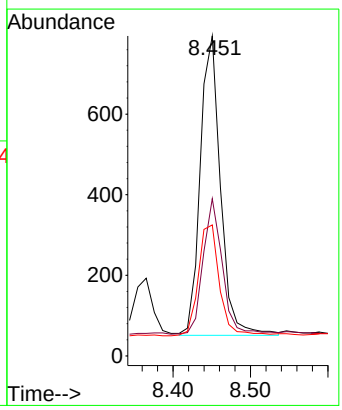
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

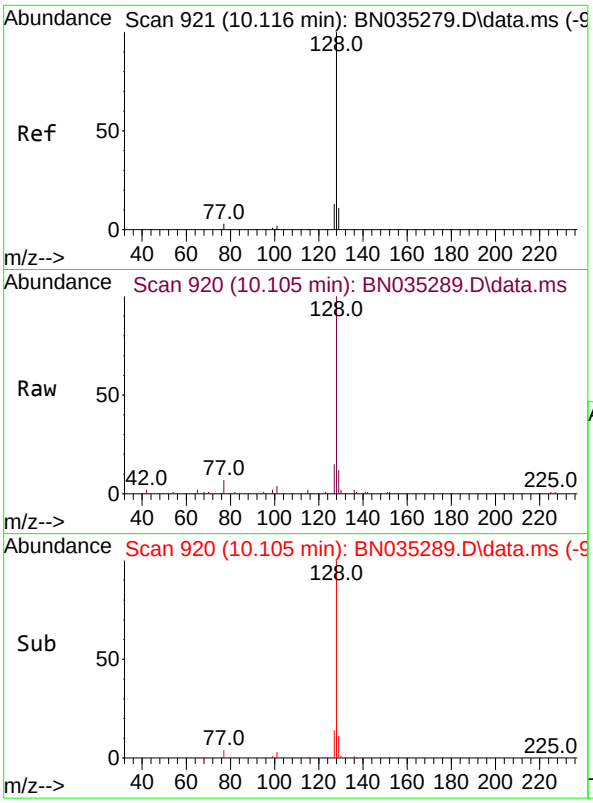


#8
Nitrobenzene-d5
Concen: 0.205 ng m
RT: 8.451 min Scan# 765
Delta R.T. 0.000 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion: 82 Resp: 1352

Ion	Ratio	Lower	Upper
82	100		
128	49.1	33.0	49.4
54	40.9	33.3	49.9

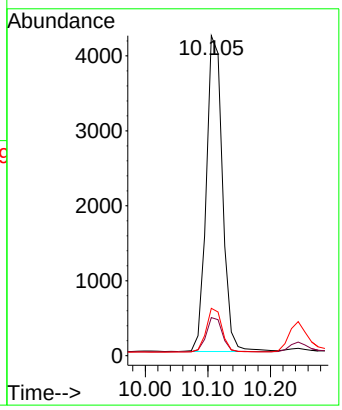




#9
Naphthalene
Concen: 0.336 ng
RT: 10.105 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:128 Resp: 757

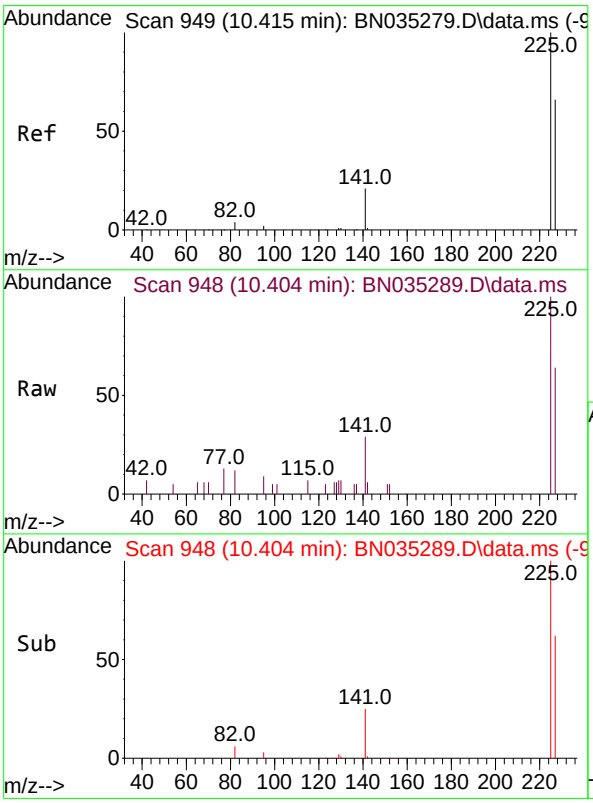
Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.6	14.4
127	14.8	11.3	16.9



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations
APPROVED

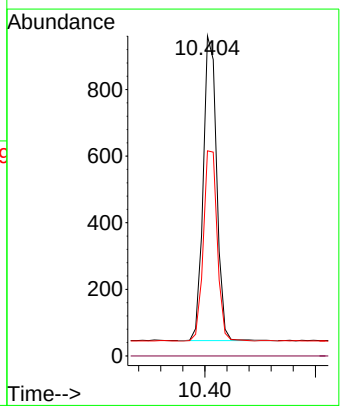
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

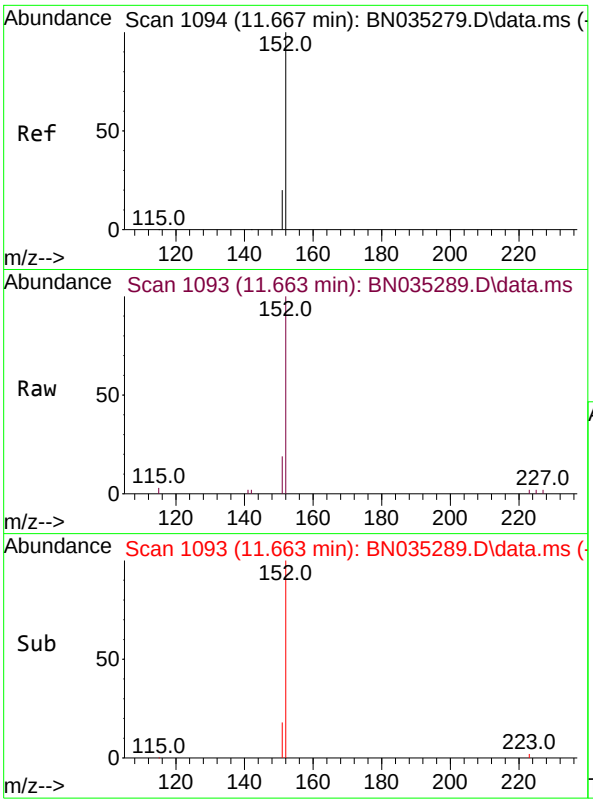


#10
Hexachlorobutadiene
Concen: 0.245 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:225 Resp: 1554

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	51.3	76.9





#11
2-Methylnaphthalene-d10
Concen: 0.405 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

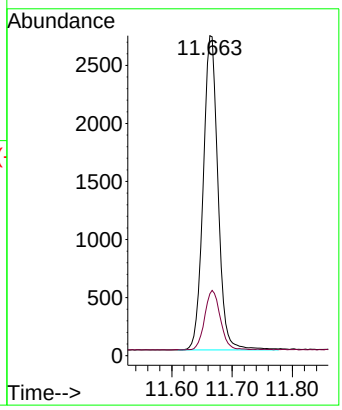
Tgt Ion:152 Resp: 461

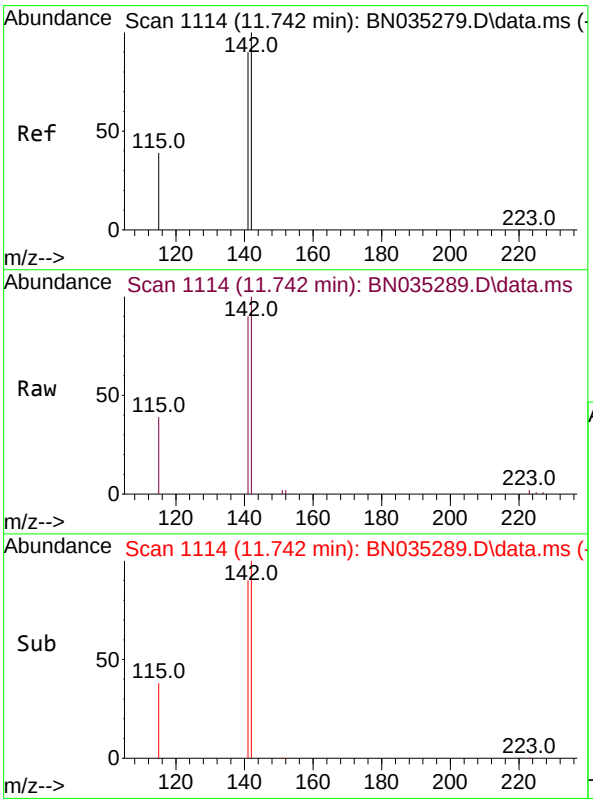
Ion	Ratio	Lower	Upper
152	100		
151	20.0	17.2	25.8

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

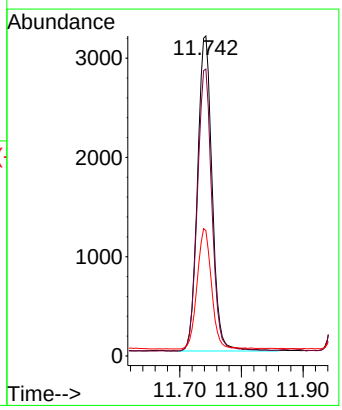


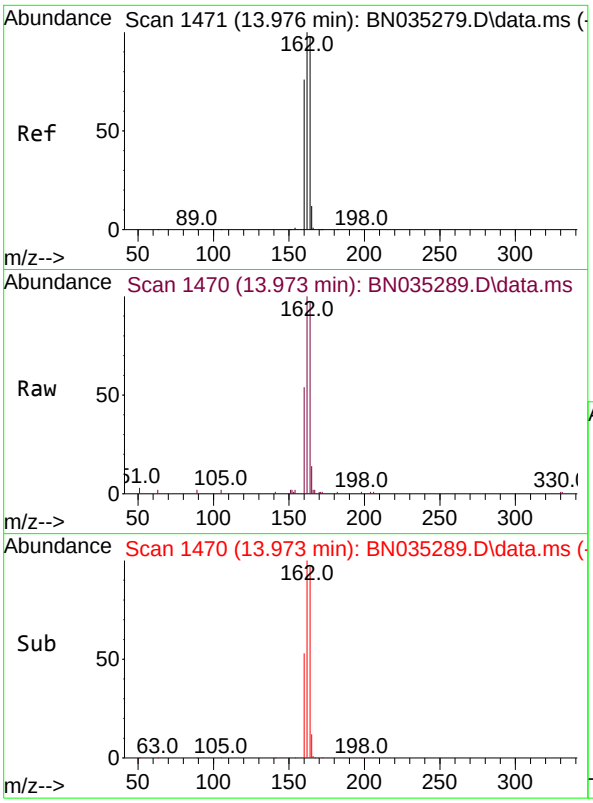


#12
2-Methylnaphthalene
Concen: 0.353 ng
RT: 11.742 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:142 Resp: 5217

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.8	107.8
115	39.2	32.6	49.0

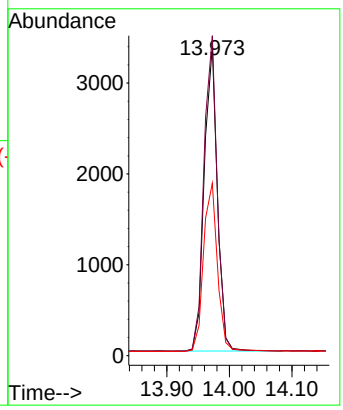




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.973 min Scan# 14
Delta R.T. -0.004 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:164 Resp: 489

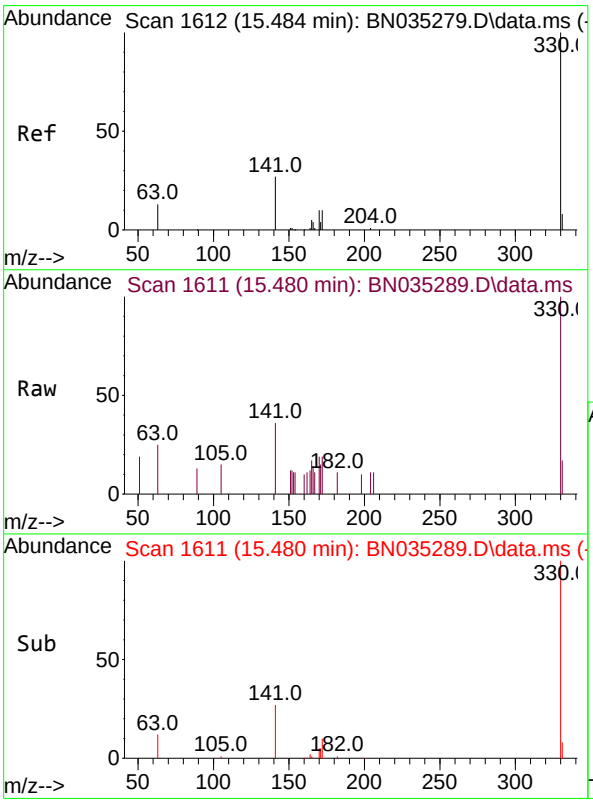
Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.0	123.0
160	55.8	63.0	94.4



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations
APPROVED

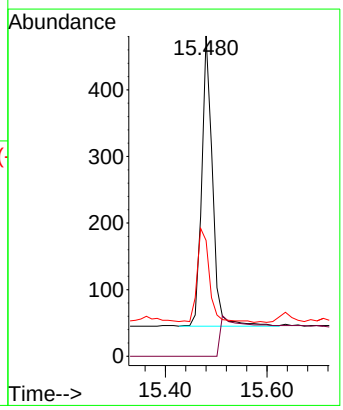
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

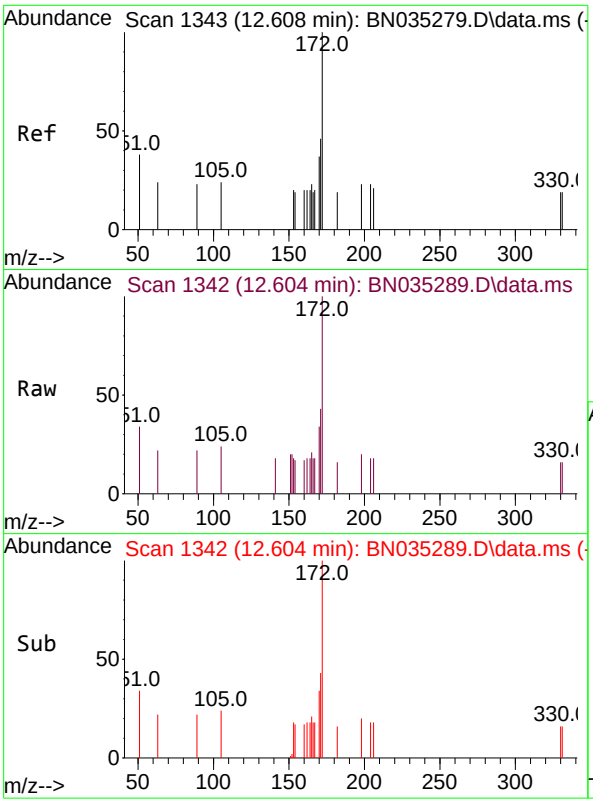


#14
2,4,6-Tribromophenol
Concen: 0.278 ng
RT: 15.480 min Scan# 1611
Delta R.T. -0.004 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:330 Resp: 693

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	36.4	32.4	48.6

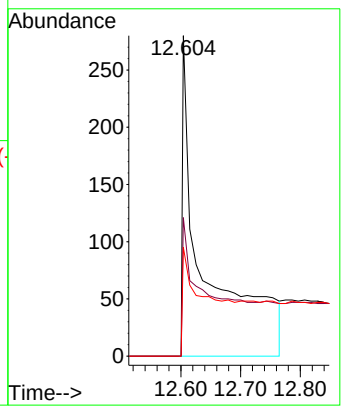




#15
2-Fluorobiphenyl
Concen: 0.261 ng
RT: 12.604 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:172 Resp: 70

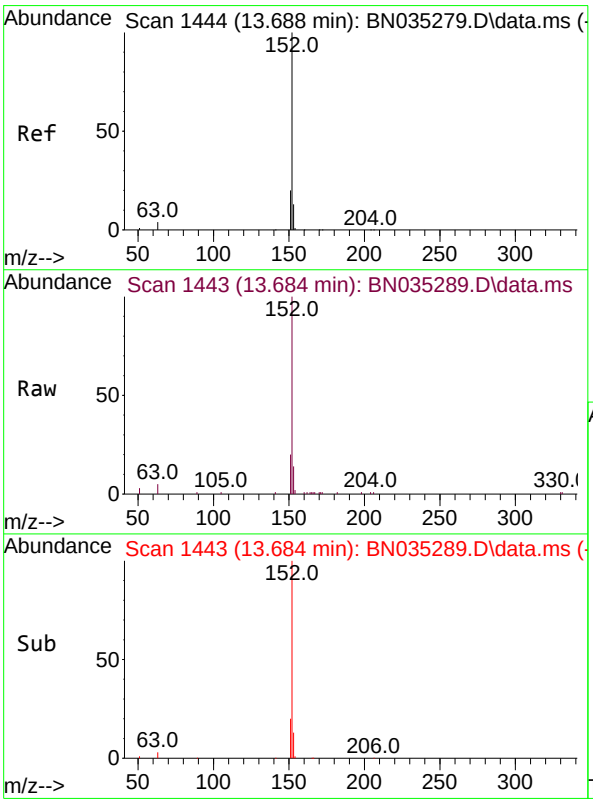
Ion	Ratio	Lower	Upper
172	100		
171	43.2	36.6	55.0
170	33.9	29.7	44.5



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations
APPROVED

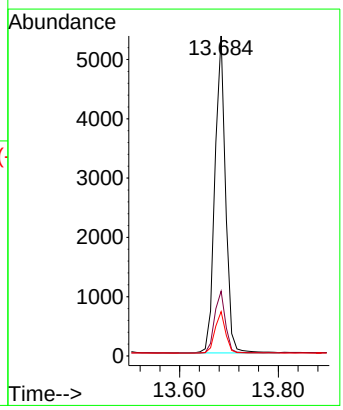
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

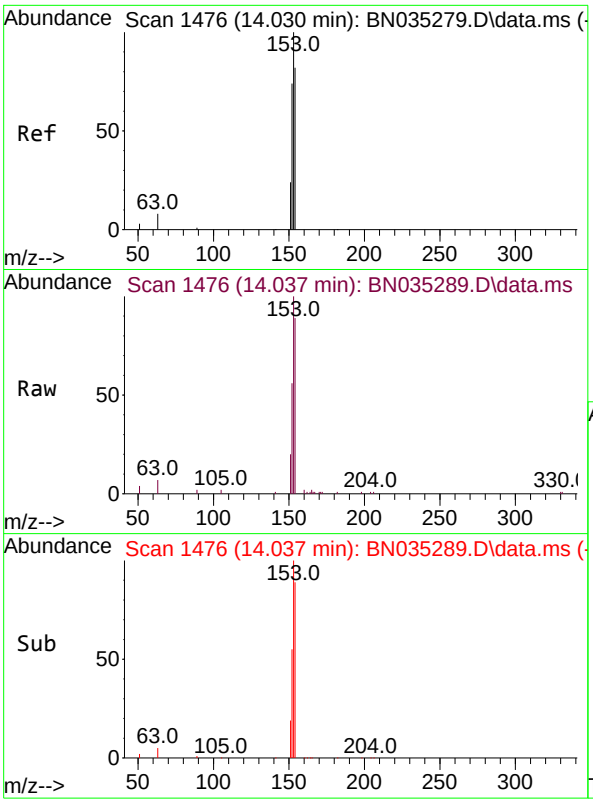


#16
Acenaphthylene
Concen: 0.326 ng
RT: 13.684 min Scan# 1443
Delta R.T. -0.004 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:152 Resp: 8019

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.2	10.2	15.4

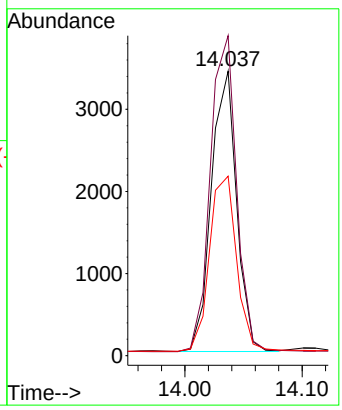




#17
Acenaphthene
Concen: 0.330 ng
RT: 14.037 min Scan# 14
Delta R.T. 0.007 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:154 Resp: 511

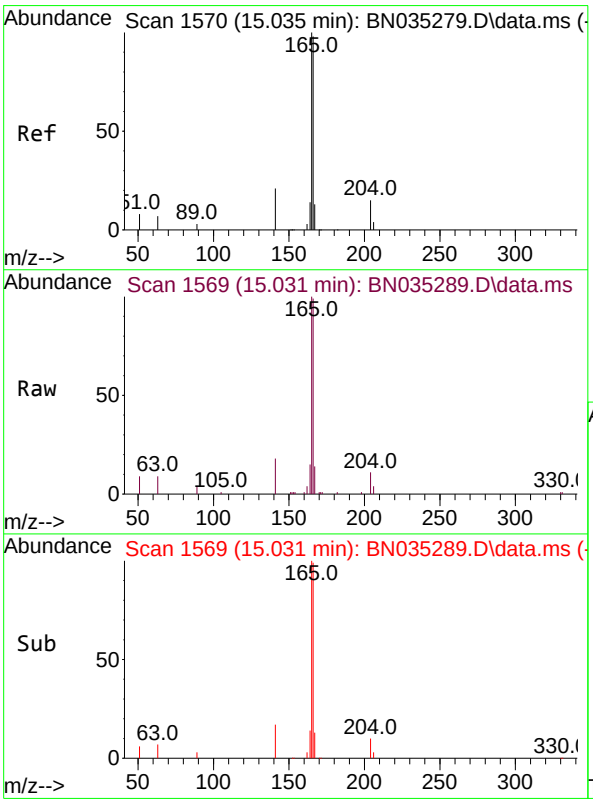
Ion	Ratio	Lower	Upper
154	100		
153	117.1	96.1	144.1
152	67.3	72.2	108.2



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations
APPROVED

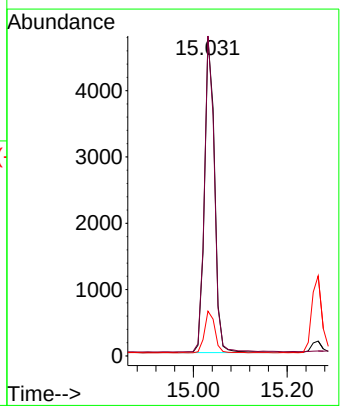
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

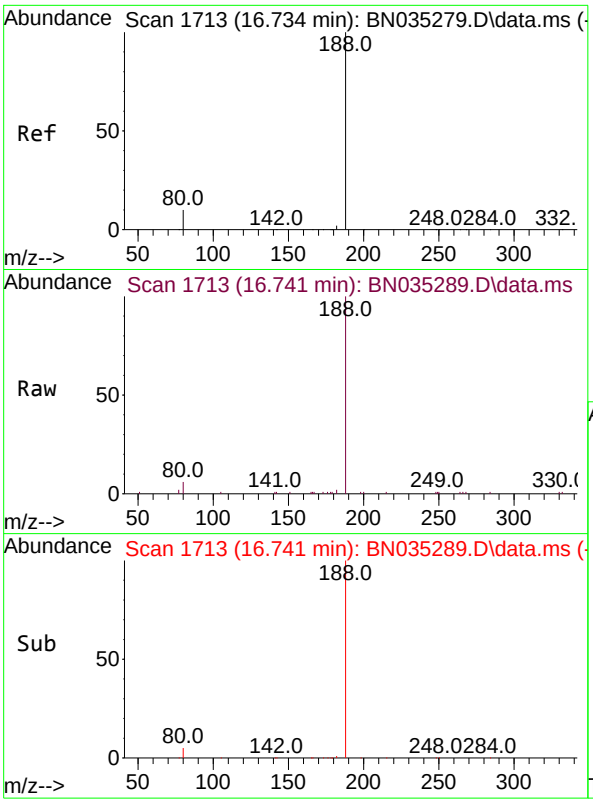


#18
Fluorene
Concen: 0.325 ng
RT: 15.031 min Scan# 1569
Delta R.T. -0.004 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:166 Resp: 7060

Ion	Ratio	Lower	Upper
166	100		
165	99.4	81.2	121.8
167	13.5	10.5	15.7

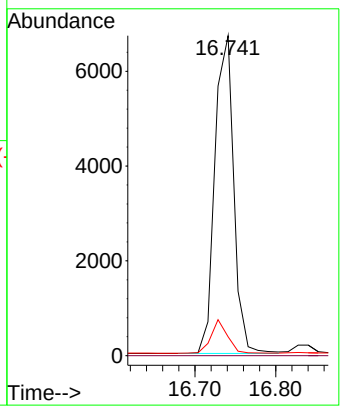




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.741 min Scan# 1
Delta R.T. 0.007 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:188 Resp: 1088

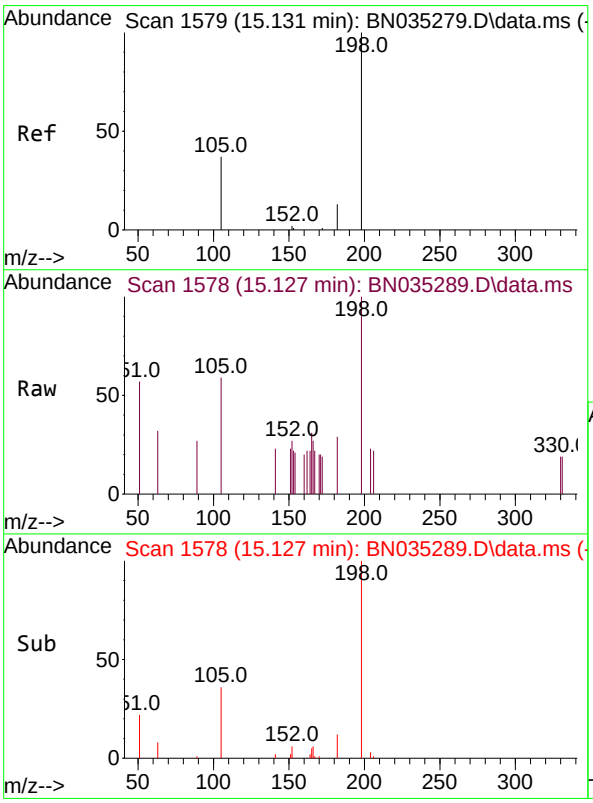
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.9	8.9	13.3#



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations
APPROVED

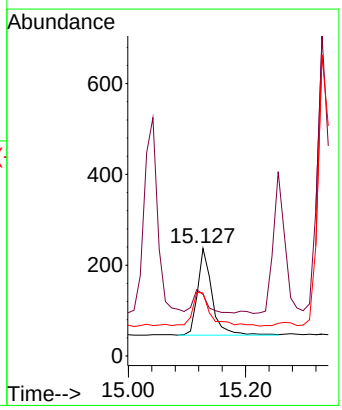
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

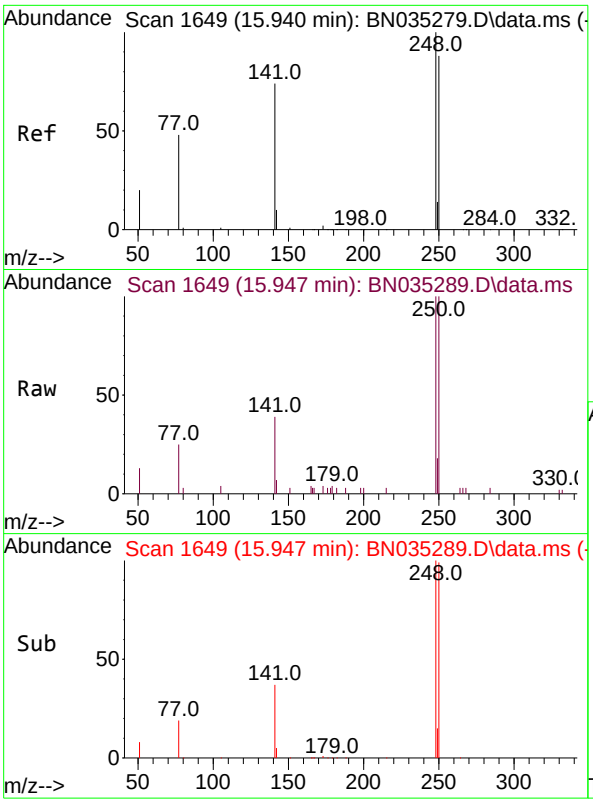


#20
4,6-Dinitro-2-methylphenol
Concen: 0.396 ng
RT: 15.127 min Scan# 1578
Delta R.T. -0.004 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:198 Resp: 326

Ion	Ratio	Lower	Upper
198	100		
51	57.4	53.6	80.4
105	58.6	47.4	71.2

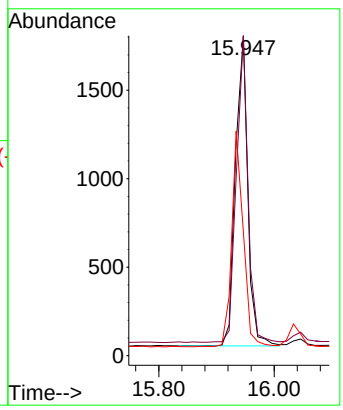




#21
4-Bromophenyl-phenylether
Concen: 0.378 ng
RT: 15.947 min Scan# 1(
Delta R.T. 0.007 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:248 Resp: 260

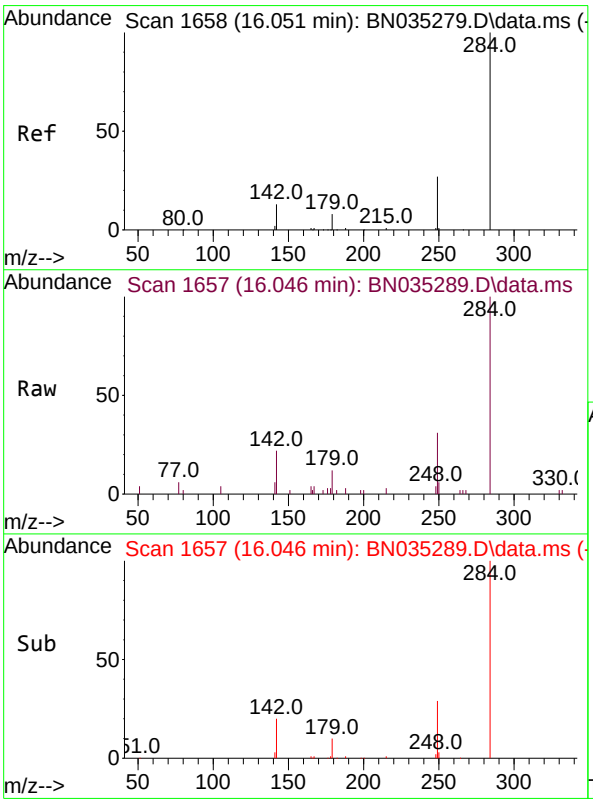
Ion	Ratio	Lower	Upper
248	100		
250	99.8	74.8	112.2
141	38.7	59.0	88.4



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations
APPROVED

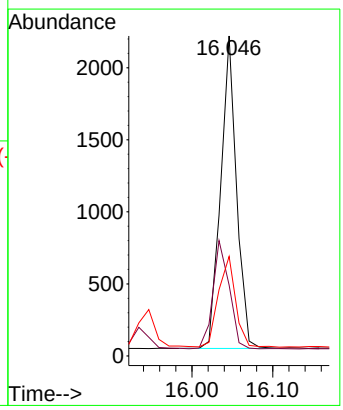
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

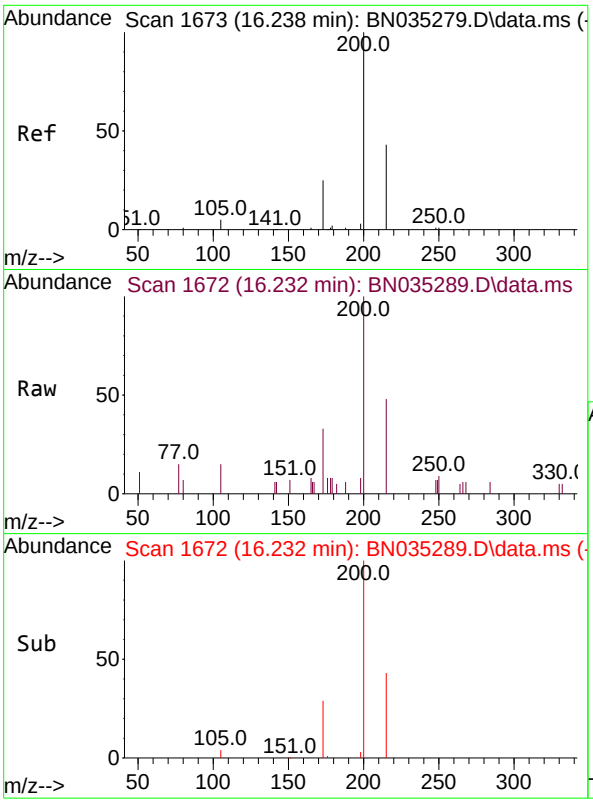


#22
Hexachlorobenzene
Concen: 0.299 ng
RT: 16.046 min Scan# 1657
Delta R.T. -0.005 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:284 Resp: 2959

Ion	Ratio	Lower	Upper
284	100		
142	35.8	28.7	43.1
249	31.3	25.4	38.0

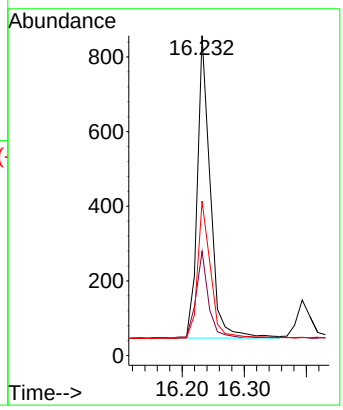




#23
Atrazine
Concen: 0.405 ng
RT: 16.232 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:200 Resp: 117

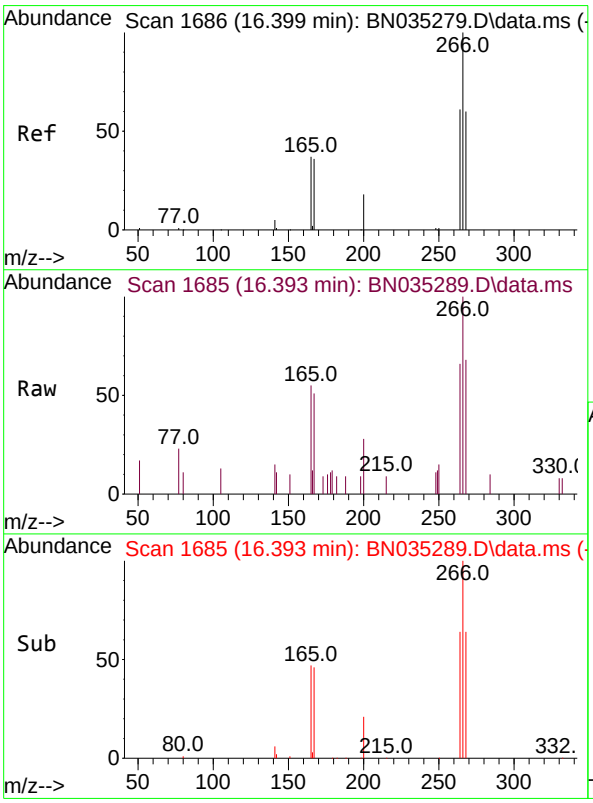
Ion	Ratio	Lower	Upper
200	100		
173	32.6	25.8	38.8
215	48.3	38.6	58.0



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations
APPROVED

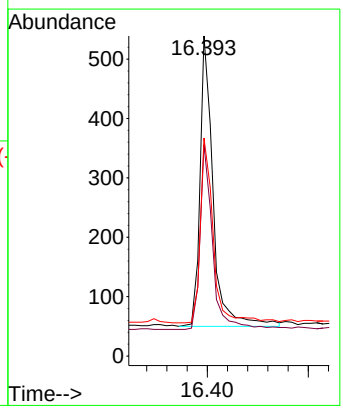
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

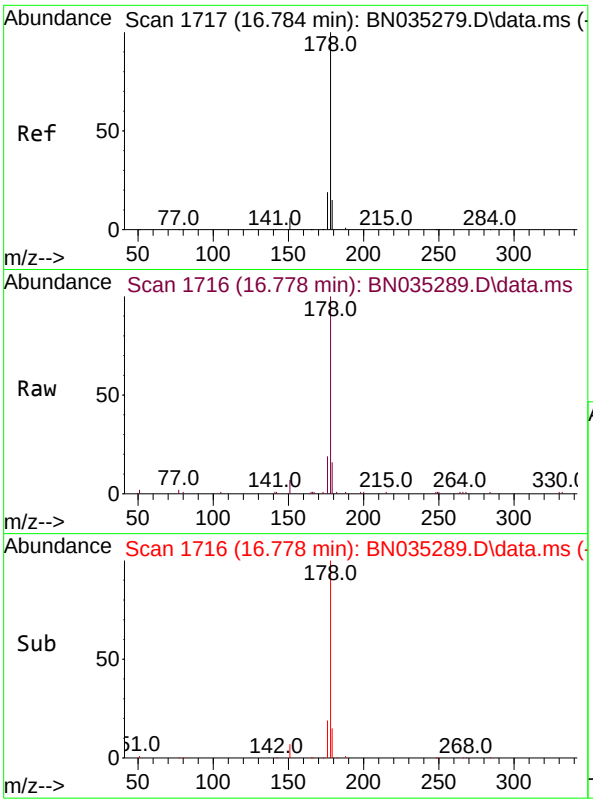


#24
Pentachlorophenol
Concen: 0.371 ng
RT: 16.393 min Scan# 1685
Delta R.T. -0.006 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:266 Resp: 881

Ion	Ratio	Lower	Upper
266	100		
264	61.1	49.3	73.9
268	62.9	48.6	73.0

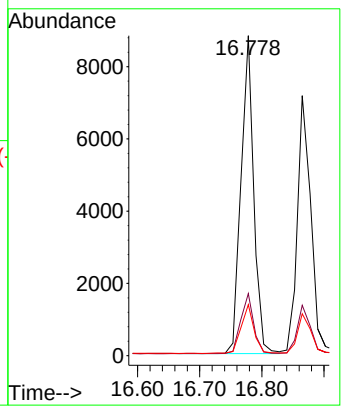




#25
Phenanthrene
Concen: 0.375 ng
RT: 16.778 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:178 Resp: 1254

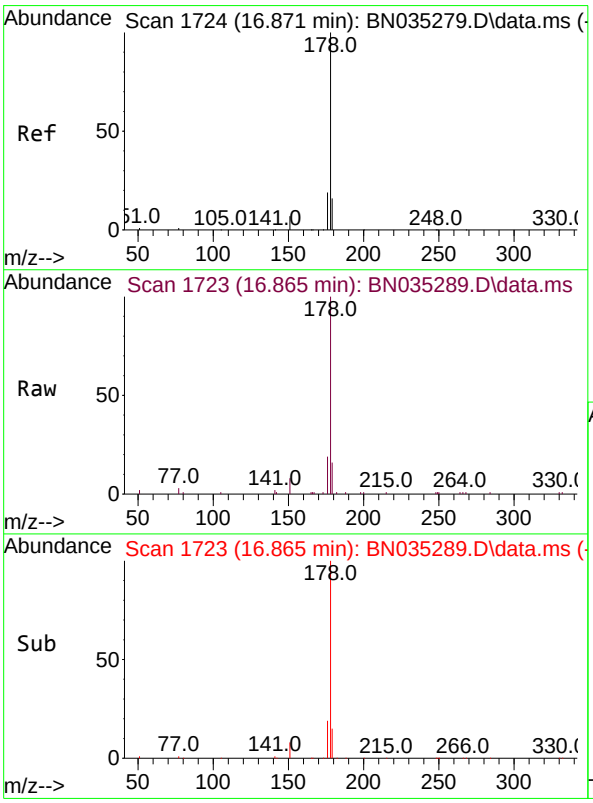
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.6	12.6	18.8



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations
APPROVED

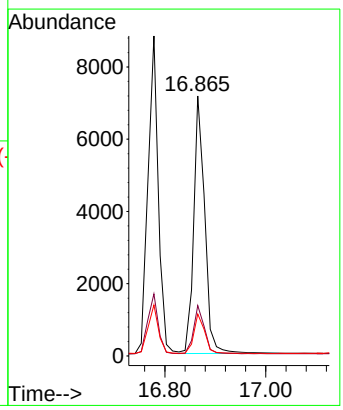
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

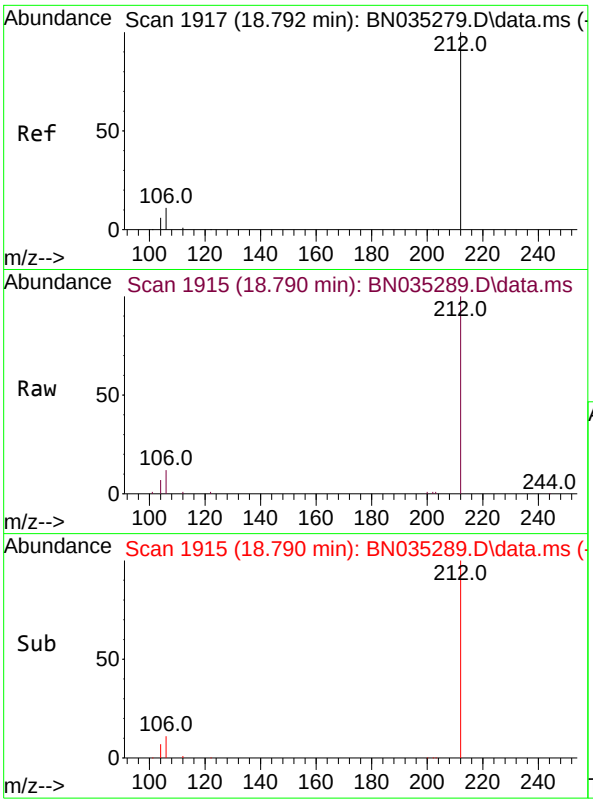


#26
Anthracene
Concen: 0.377 ng
RT: 16.865 min Scan# 1723
Delta R.T. -0.005 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:178 Resp: 10829

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.4	12.4	18.6

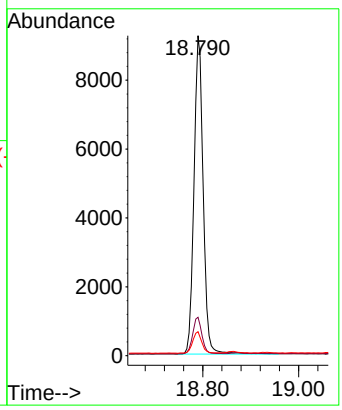




#27
Fluoranthene-d10
Concen: 0.425 ng
RT: 18.790 min Scan# 1
Delta R.T. -0.002 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:212 Resp: 1238

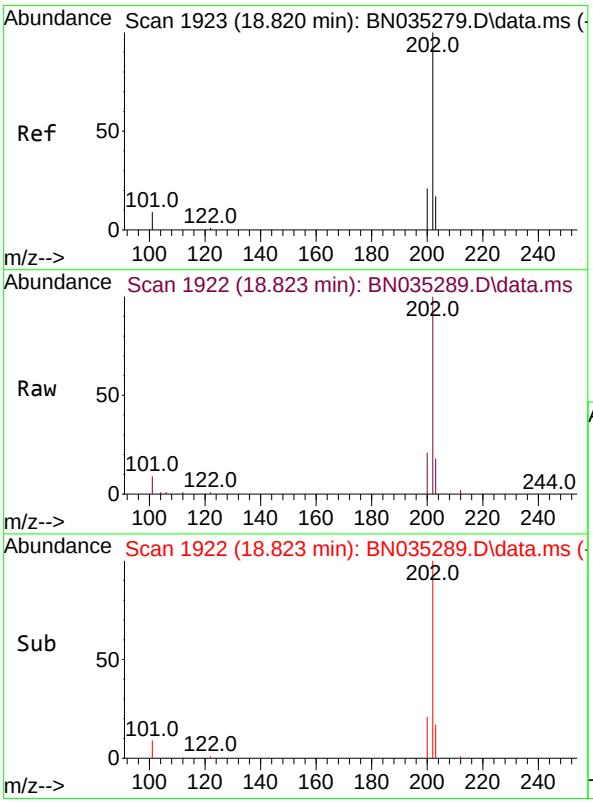
Ion	Ratio	Lower	Upper
212	100		
106	11.5	9.8	14.8
104	6.7	5.6	8.4



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations
APPROVED

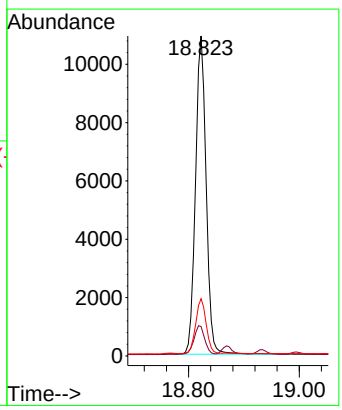
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

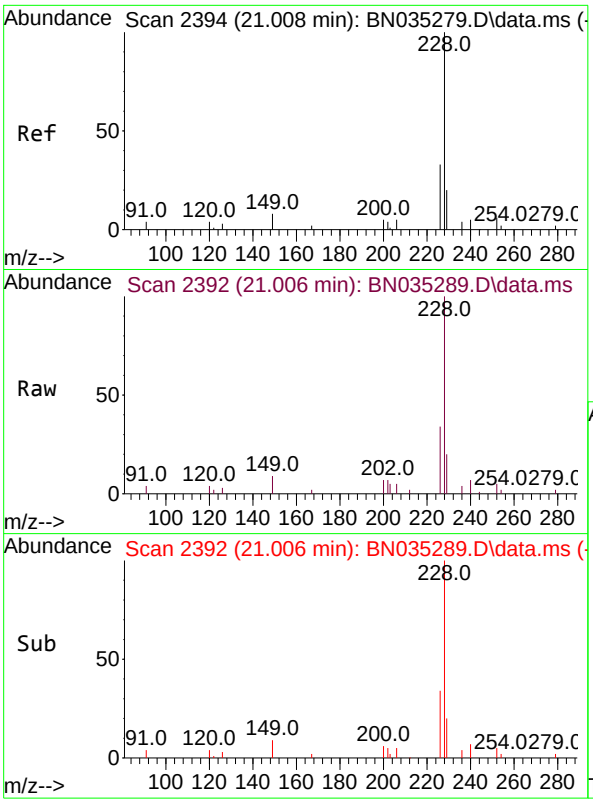


#28
Fluoranthene
Concen: 0.346 ng
RT: 18.823 min Scan# 1922
Delta R.T. 0.003 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:202 Resp: 14601

Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.6	11.4
203	16.8	13.8	20.8

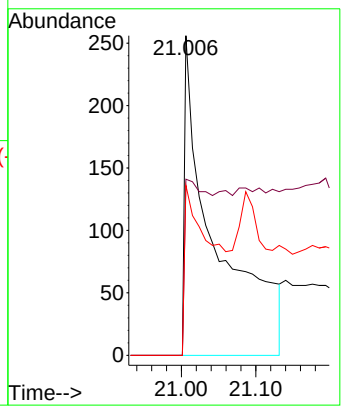




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.006 min Scan# 2
Delta R.T. -0.002 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:240 Resp: 70

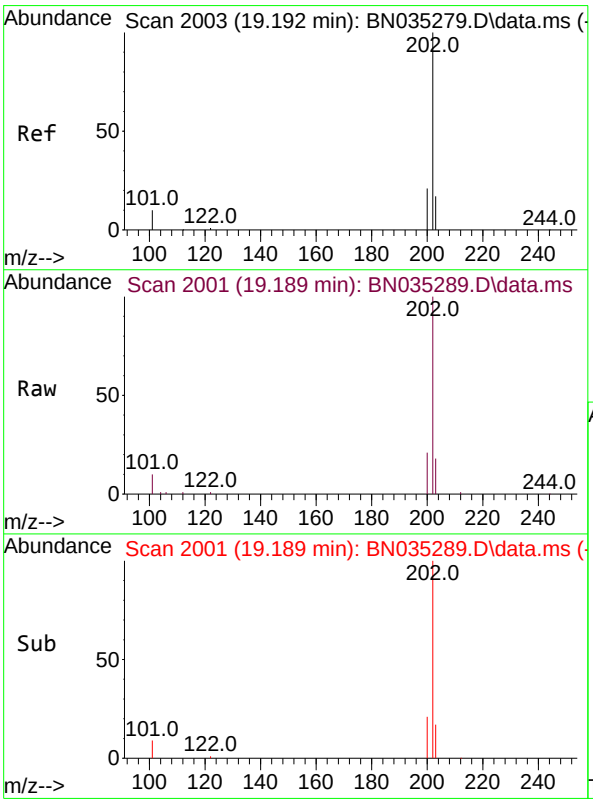
Ion	Ratio	Lower	Upper
240	100		
120	55.1	54.9	82.3
236	53.1	54.0	81.0



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations
APPROVED

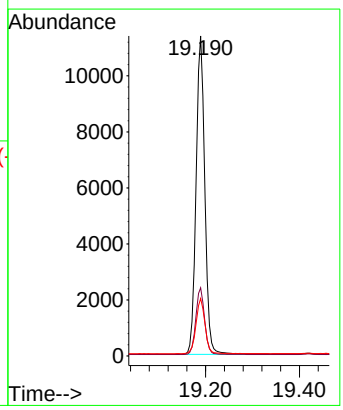
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

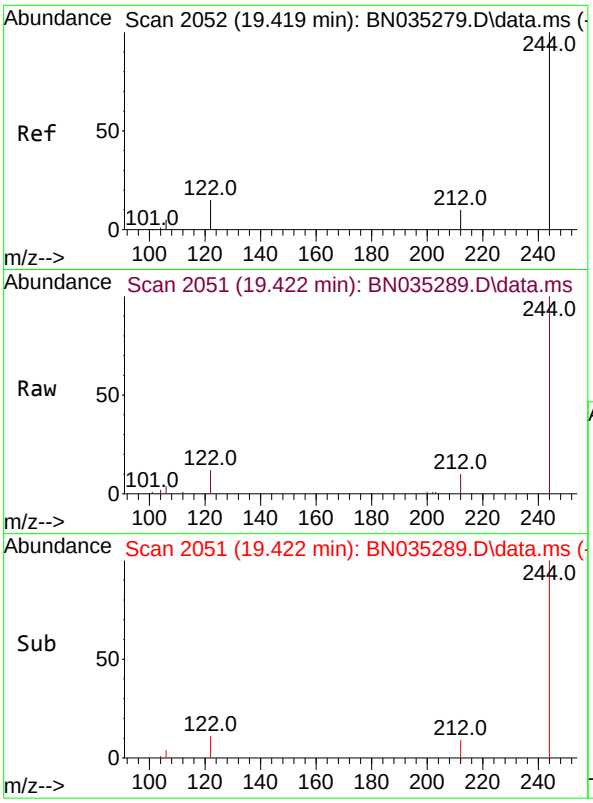


#30
Pyrene
Concen: 0.575 ng
RT: 19.189 min Scan# 2001
Delta R.T. -0.003 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:202 Resp: 14755

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.7	14.4	21.6

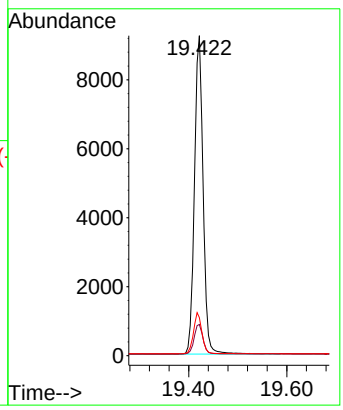




#31
Terphenyl-d14
Concen: 0.866 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:244 Resp: 1129

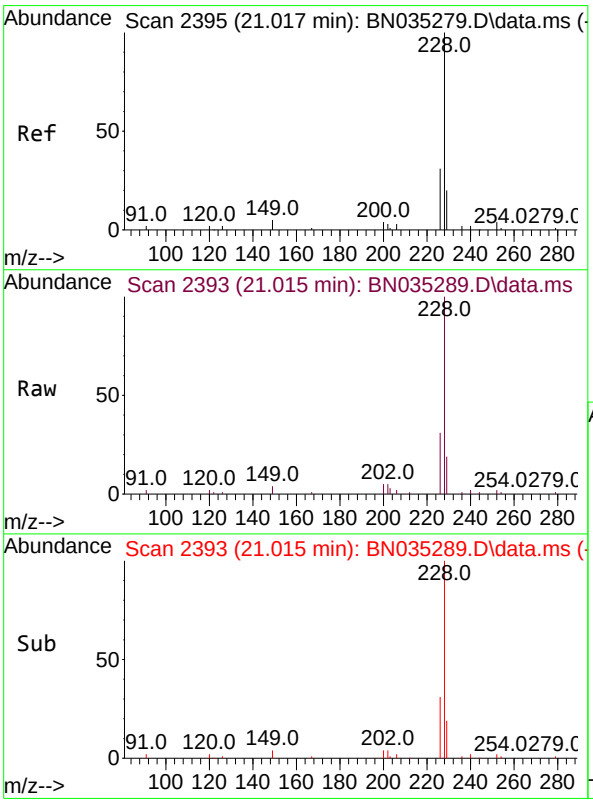
Ion	Ratio	Lower	Upper
244	100		
212	9.8	9.4	14.0
122	11.9	13.0	19.4



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations
APPROVED

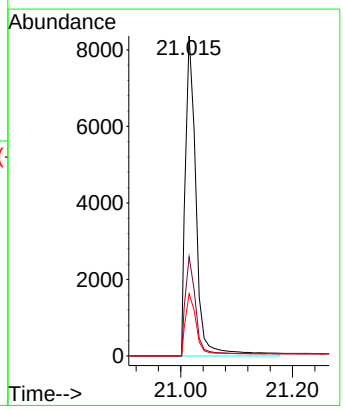
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

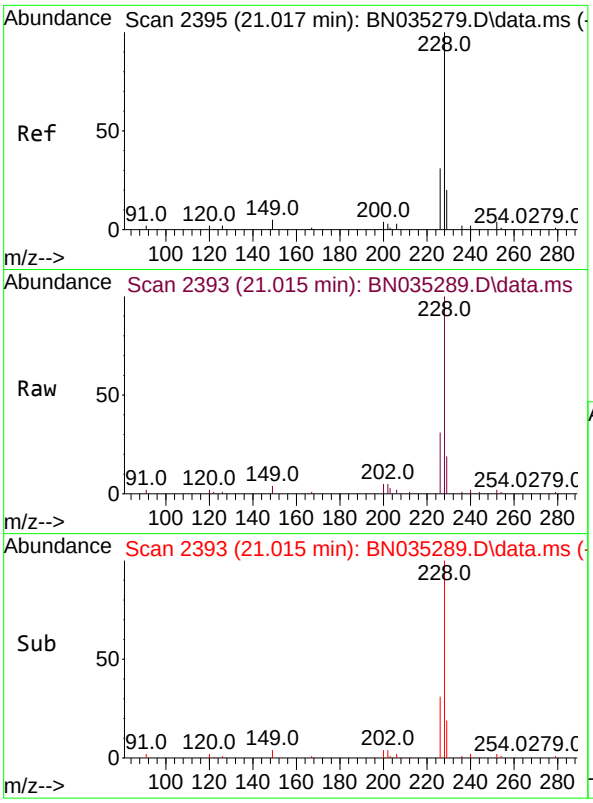


#32
Benzo(a)anthracene
Concen: 0.455 ng
RT: 21.015 min Scan# 2393
Delta R.T. -0.002 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:228 Resp: 11175

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.7	37.1
229	19.4	16.2	24.2

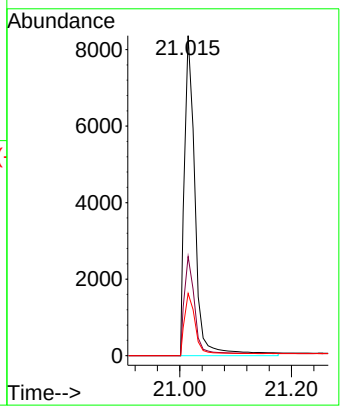




#33
Chrysene
Concen: 0.455 ng
RT: 21.015 min Scan# 2
Delta R.T. -0.002 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:228 Resp: 1117

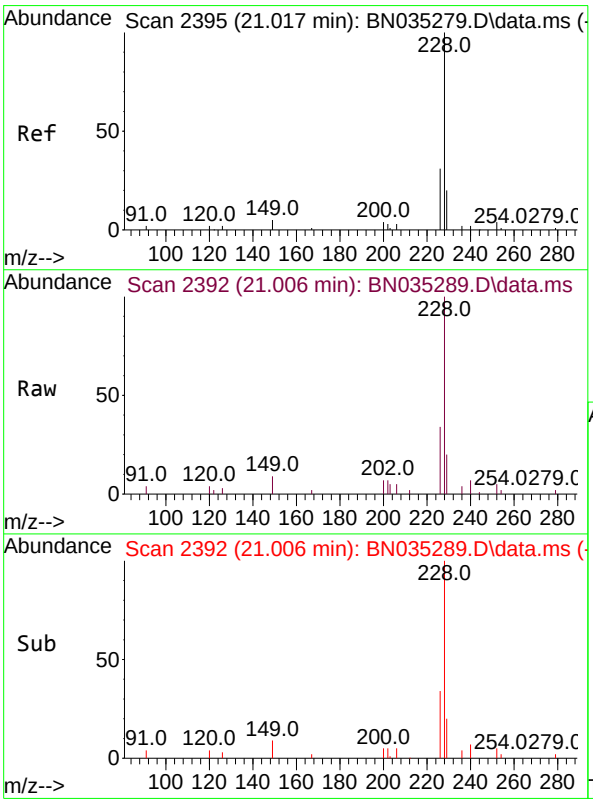
Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.7	37.1
229	19.4	16.2	24.2



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations
APPROVED

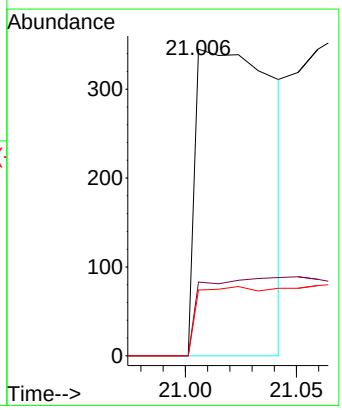
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

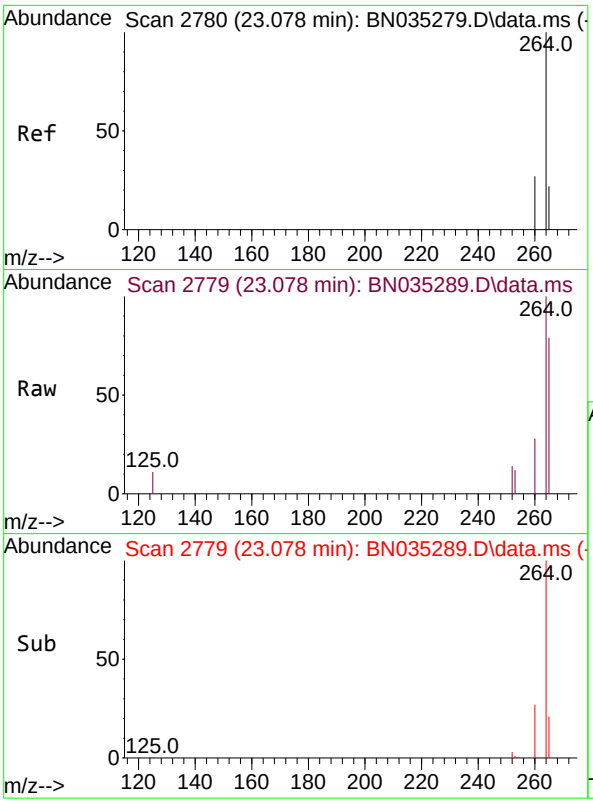


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.552 ng
RT: 21.006 min Scan# 2392
Delta R.T. -0.011 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:149 Resp: 746

Ion	Ratio	Lower	Upper
149	100		
167	0.0	0.0	0.0
279	17.4	13.0	19.6

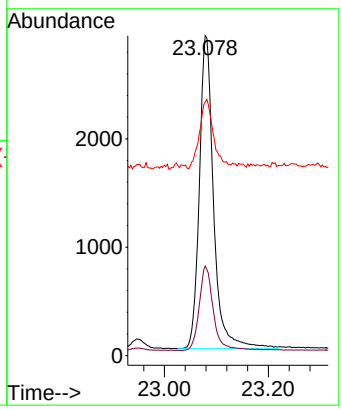




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.078 min Scan# 2
Delta R.T. 0.001 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:264 Resp: 549

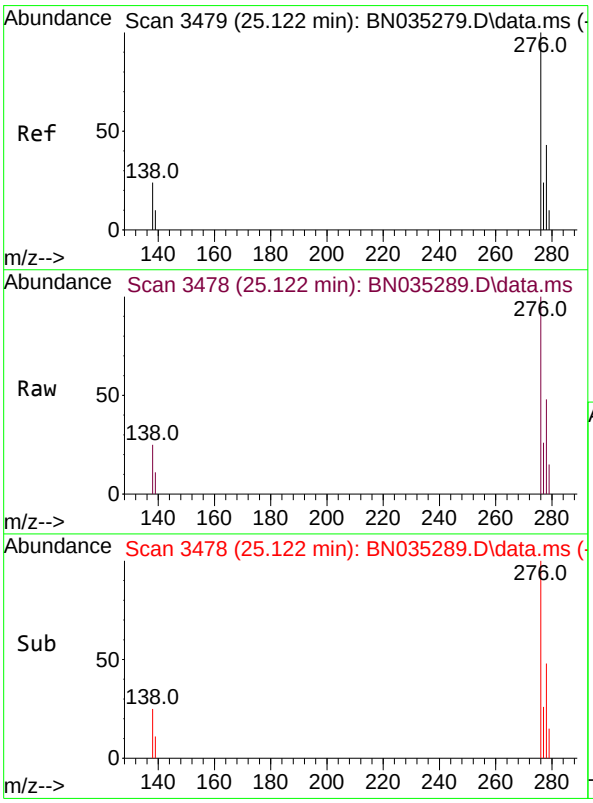
Ion	Ratio	Lower	Upper
264	100		
260	28.0	22.3	33.5
265	79.3	68.6	103.0



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations
APPROVED

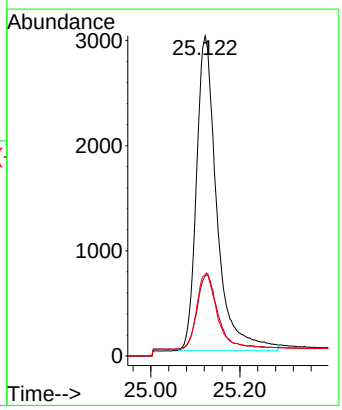
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

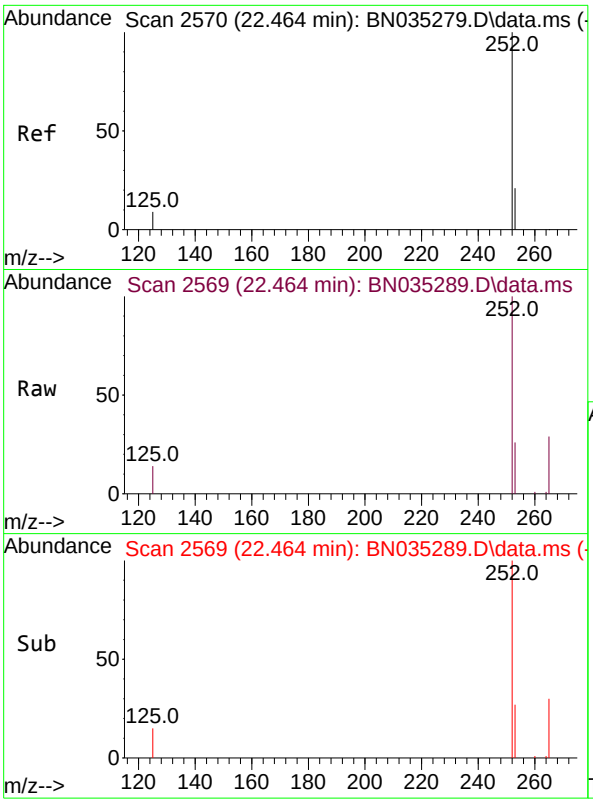


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.422 ng
RT: 25.122 min Scan# 3478
Delta R.T. 0.001 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:276 Resp: 9501

Ion	Ratio	Lower	Upper
276	100		
138	23.6	18.8	28.2
277	23.4	18.2	27.4

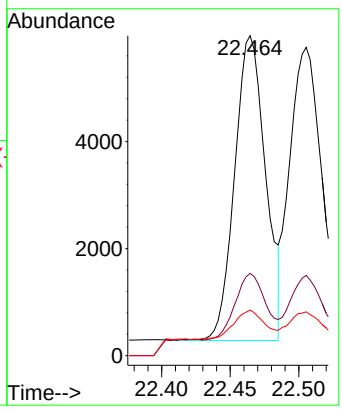




#37
Benzo(b)fluoranthene
Concen: 0.373 ng
RT: 22.464 min Scan# 2
Delta R.T. 0.001 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:252 Resp: 891

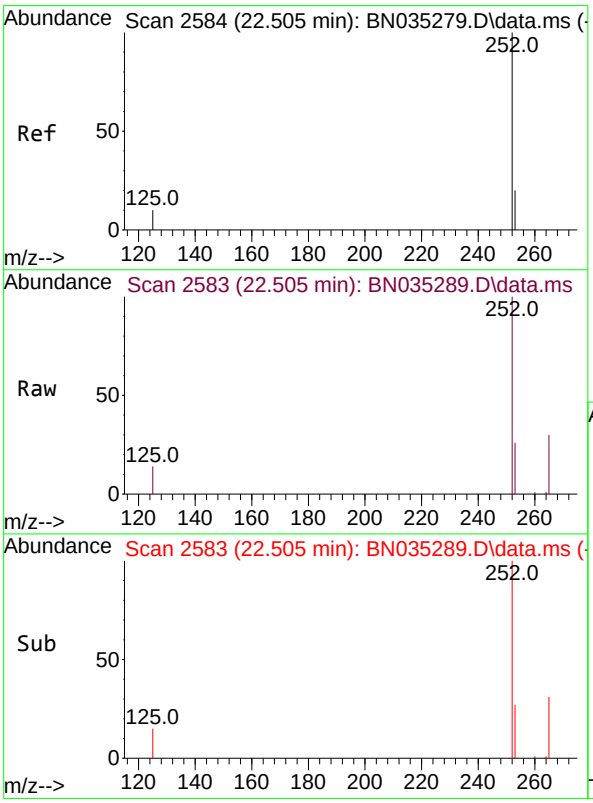
Ion	Ratio	Lower	Upper
252	100		
253	25.7	20.2	30.2
125	14.3	12.0	18.0



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations
APPROVED

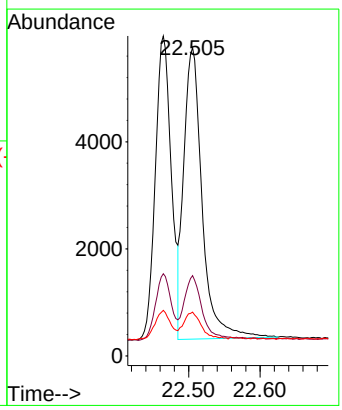
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

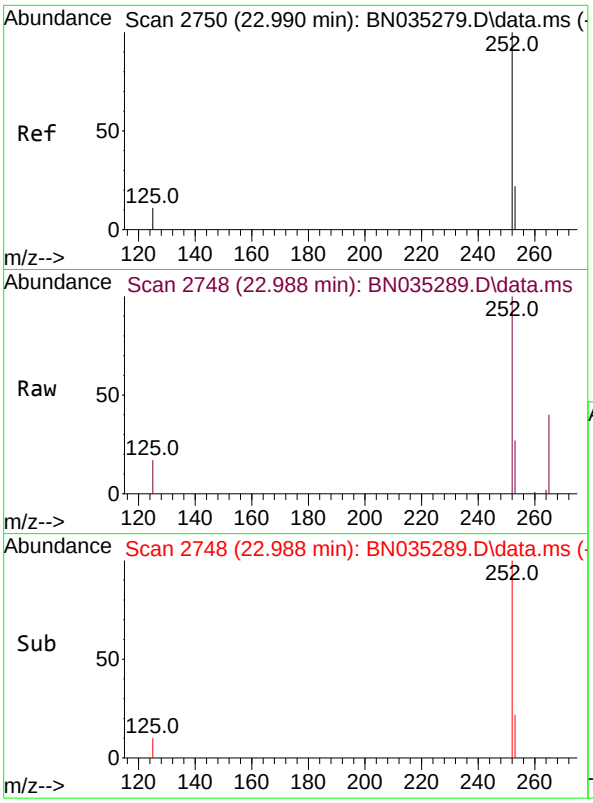


#38
Benzo(k)fluoranthene
Concen: 0.384 ng
RT: 22.505 min Scan# 2583
Delta R.T. 0.001 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:252 Resp: 9698

Ion	Ratio	Lower	Upper
252	100		
253	26.1	20.1	30.1
125	14.2	12.7	19.1

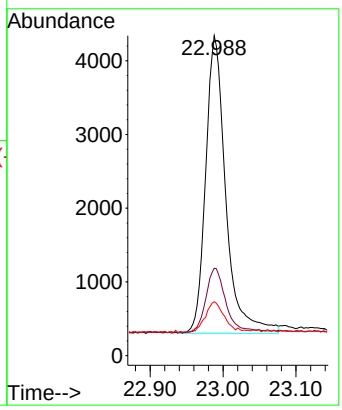




#39
Benzo(a)pyrene
Concen: 0.424 ng
RT: 22.988 min Scan# 2
Delta R.T. -0.002 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:252 Resp: 773

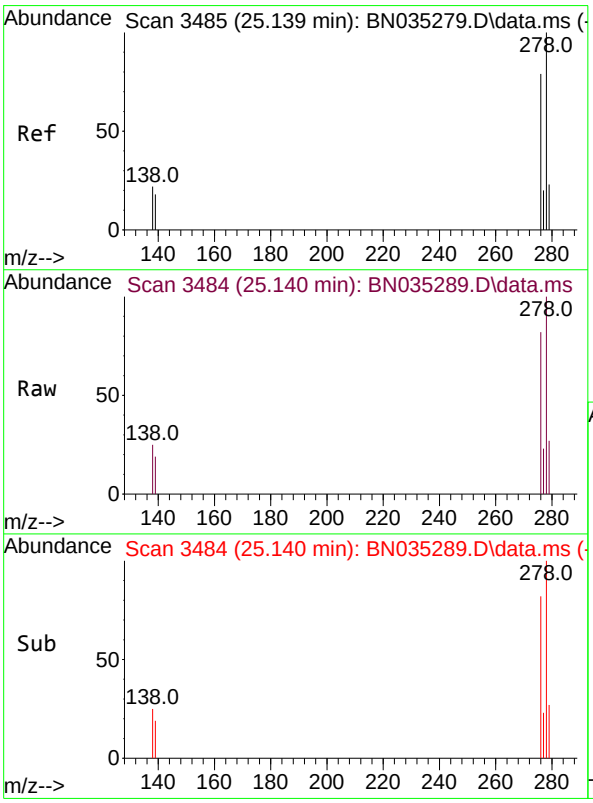
Ion	Ratio	Lower	Upper
252	100		
253	27.4	22.3	33.5
125	16.8	15.3	22.9



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations
APPROVED

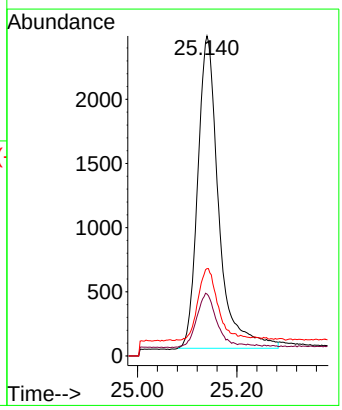
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

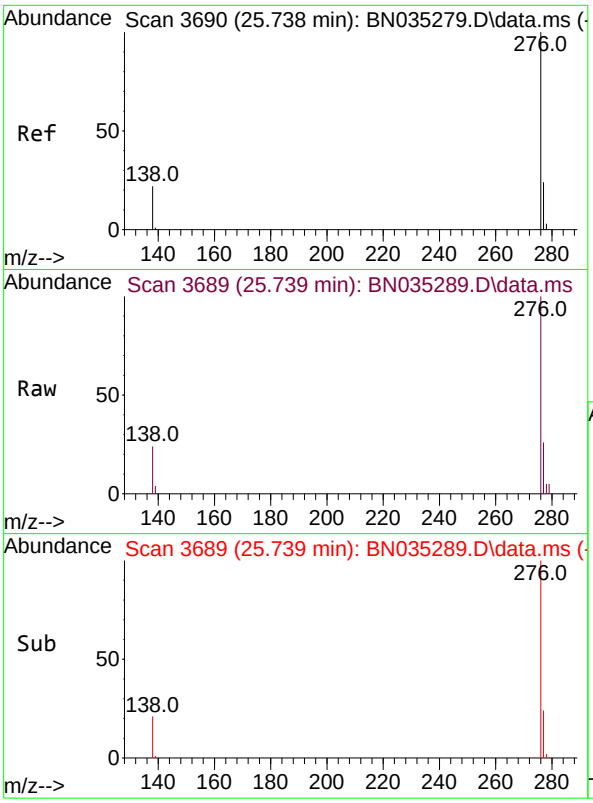


#40
Dibenzo(a,h)anthracene
Concen: 0.419 ng
RT: 25.140 min Scan# 3484
Delta R.T. 0.001 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:278 Resp: 7121

Ion	Ratio	Lower	Upper
278	100		
139	19.4	17.0	25.6
279	27.3	23.0	34.4

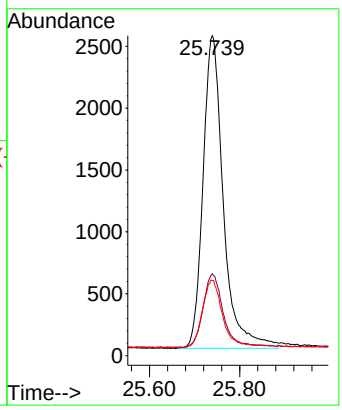




#41
Benzo(g,h,i)perylene
Concen: 0.402 ng
RT: 25.739 min Scan# 3
Delta R.T. 0.001 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:276 Resp: 790

Ion	Ratio	Lower	Upper
276	100		
277	25.6	21.1	31.7
138	23.5	19.8	29.8



Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

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

Manual Integration Report

Sequence:	BN111324	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC1.6	BN035066.D	Benzo(b)fluoranthene	yogesh	11/14/2024 3:07:07 AM	mohammad	11/14/2024 3:22:04 AM	Peak Integrated by Software
SSTDICC3.2	BN035067.D	Benzo(b)fluoranthene	yogesh	11/14/2024 3:07:16 AM	mohammad	11/14/2024 3:22:04 AM	Peak Integrated by Software
SSTDICV0.4	BN035069.D	4,6-Dinitro-2-methylphenol	yogesh	11/14/2024 3:07:24 AM	mohammad	11/14/2024 3:22:04 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BN112124	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC0.4	BN035219.D	Nitrobenzene-d5	yogesh	11/22/2024 3:54:28 AM	mohammad	11/22/2024 4:01:18 AM	Peak Integrated by Software
P4934-03	BN035228.D	Nitrobenzene-d5	yogesh	11/22/2024 3:54:41 AM	mohammad	11/22/2024 4:01:18 AM	Peak Integrated by Software
P4934-04	BN035229.D	Nitrobenzene-d5	yogesh	11/22/2024 3:54:44 AM	mohammad	11/22/2024 4:01:18 AM	Peak Integrated by Software
P4934-11	BN035232.D	Nitrobenzene-d5	yogesh	11/22/2024 3:54:55 AM	mohammad	11/22/2024 4:01:18 AM	Peak Integrated by Software
P4934-10	BN035233.D	Nitrobenzene-d5	yogesh	11/22/2024 3:54:56 AM	mohammad	11/22/2024 4:01:18 AM	Peak Integrated by Software
P4934-12	BN035234.D	Nitrobenzene-d5	yogesh	11/22/2024 3:54:58 AM	mohammad	11/22/2024 4:01:18 AM	Peak Integrated by Software
SSTDCCC0.4	BN035235.D	Nitrobenzene-d5	yogesh	11/22/2024 3:55:00 AM	mohammad	11/22/2024 4:01:18 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BN112524	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC0.1	BN035277.D	Nitrobenzene-d5	yogesh	11/27/2024 5:29:21 AM	mohammad	11/27/2024 6:04:55 AM	Peak Integrated by Software
SSTDICC0.2	BN035278.D	Nitrobenzene-d5	yogesh	11/27/2024 5:29:22 AM	mohammad	11/27/2024 6:04:55 AM	Peak Integrated by Software
SSTDICV0.4	BN035284.D	Fluoranthene-d10	yogesh	11/27/2024 5:29:23 AM	mohammad	11/27/2024 6:04:55 AM	Peak Integrated by Software
PB165150BL	BN035285.D	Nitrobenzene-d5	yogesh	11/27/2024 5:29:25 AM	mohammad	11/27/2024 6:04:55 AM	Peak Integrated by Software
P4934-05	BN035287.D	Nitrobenzene-d5	yogesh	11/27/2024 5:29:26 AM	mohammad	11/27/2024 6:04:55 AM	Peak Integrated by Software
P4934-06MS	BN035288.D	Nitrobenzene-d5	yogesh	11/27/2024 5:29:27 AM	mohammad	11/27/2024 6:04:55 AM	Peak Integrated by Software
P4934-07MSD	BN035289.D	Nitrobenzene-d5	yogesh	11/27/2024 5:29:29 AM	mohammad	11/27/2024 6:04:55 AM	Peak Integrated by Software
PB165150BS	BN035290.D	Nitrobenzene-d5	yogesh	11/27/2024 5:29:32 AM	mohammad	11/27/2024 6:04:55 AM	Peak Integrated by Software
SSTDCCC0.4	BN035291.D	Nitrobenzene-d5	yogesh	11/27/2024 5:29:34 AM	mohammad	11/27/2024 6:04:55 AM	Peak Integrated by Software
SSTDCCC0.4	BN035293.D	Nitrobenzene-d5	yogesh	11/27/2024 5:29:52 AM	mohammad	11/27/2024 6:04:55 AM	Peak Integrated by Software
SSTDCCC0.4	BN035300.D	Nitrobenzene-d5	yogesh	11/27/2024 5:30:22 AM	mohammad	11/27/2024 6:04:55 AM	Peak Integrated by Software

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN111324

Review By	yogesh	Review On	11/14/2024 3:07:49 AM		
Supervise By	mohammad	Supervise On	11/14/2024 3:22:04 AM		
SubDirectory	BN111324	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	BN111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6603,SP6602,SP6601,SP6600,SP6599,SP6598,SP6597
CCC	SP6601
Internal Standard/PEM	SP6527
ICV/I.BLK	SP6548
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN035061.D	13 Nov 2024 12:01	RC/JU	Ok
2	SSTDICC0.1	BN035062.D	13 Nov 2024 12:40	RC/JU	Ok
3	SSTDICC0.2	BN035063.D	13 Nov 2024 13:16	RC/JU	Ok
4	SSTDICCC0.4	BN035064.D	13 Nov 2024 13:52	RC/JU	Ok
5	SSTDICC0.8	BN035065.D	13 Nov 2024 14:28	RC/JU	Ok
6	SSTDICC1.6	BN035066.D	13 Nov 2024 15:04	RC/JU	Ok,M
7	SSTDICC3.2	BN035067.D	13 Nov 2024 15:39	RC/JU	Ok,M
8	SSTDICC5.0	BN035068.D	13 Nov 2024 16:15	RC/JU	Ok
9	SSTDICV0.4	BN035069.D	13 Nov 2024 16:51	RC/JU	Ok,M
10	PB164785BL	BN035070.D	13 Nov 2024 17:27	RC/JU	Ok
11	PB164785BS	BN035071.D	13 Nov 2024 18:03	RC/JU	Ok
12	PB164785BSD	BN035072.D	13 Nov 2024 18:38	RC/JU	Ok
13	P4765-02	BN035073.D	13 Nov 2024 19:14	RC/JU	Ok
14	P4765-06	BN035074.D	13 Nov 2024 19:50	RC/JU	Ok
15	P4767-02	BN035075.D	13 Nov 2024 20:26	RC/JU	Ok,M
16	P4773-01	BN035076.D	13 Nov 2024 21:01	RC/JU	Dilution
17	P4773-02	BN035077.D	13 Nov 2024 21:37	RC/JU	Ok
18	P4774-06	BN035078.D	13 Nov 2024 22:13	RC/JU	Ok
19	P4774-02	BN035079.D	13 Nov 2024 22:49	RC/JU	ReRun
20	SSTDCCC0.4	BN035080.D	13 Nov 2024 23:24	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN112124

Review By	yogesh	Review On	11/22/2024 3:55:12 AM		
Supervise By	mohammad	Supervise On	11/22/2024 4:01:18 AM		
SubDirectory	BN112124	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	BN111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6603,SP6602,SP6601,SP6600,SP6599,SP6598,SP6597
CCC	SP6601
Internal Standard/PEM	SP6527,1ul/100ul sample
ICV/I.BLK	SP6548
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN035218.D	21 Nov 2024 12:43	RC/JU	Ok
2	SSTDCCC0.4	BN035219.D	21 Nov 2024 13:22	RC/JU	Ok,M
3	PB165012BL	BN035220.D	21 Nov 2024 13:58	RC/JU	Ok,M
4	P4868-02	BN035221.D	21 Nov 2024 14:35	RC/JU	Ok,M
5	P4868-01	BN035222.D	21 Nov 2024 15:12	RC/JU	Ok
6	P4866-01	BN035223.D	21 Nov 2024 15:48	RC/JU	Ok,M
7	P4868-03	BN035224.D	21 Nov 2024 16:24	RC/JU	Ok,M
8	P4866-02	BN035225.D	21 Nov 2024 17:00	RC/JU	Ok,M
9	PB165012BS	BN035226.D	21 Nov 2024 17:36	RC/JU	Ok,M
10	PB165012BSD	BN035227.D	21 Nov 2024 18:12	RC/JU	Ok,M
11	P4934-03	BN035228.D	21 Nov 2024 18:48	RC/JU	Ok,M
12	P4934-04	BN035229.D	21 Nov 2024 19:24	RC/JU	Ok,M
13	P4934-08	BN035230.D	21 Nov 2024 20:00	RC/JU	Ok
14	P4934-09	BN035231.D	21 Nov 2024 20:36	RC/JU	Ok
15	P4934-11	BN035232.D	21 Nov 2024 21:12	RC/JU	Ok,M
16	P4934-10	BN035233.D	21 Nov 2024 21:49	RC/JU	Ok,M
17	P4934-12	BN035234.D	21 Nov 2024 22:25	RC/JU	Ok,M
18	SSTDCCC0.4	BN035235.D	21 Nov 2024 23:01	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN112524

Review By	yogesh	Review On	11/27/2024 5:30:45 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:55 AM		
SubDirectory	BN112524	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn112524

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC	SP6661
Internal Standard/PEM	SP6527,1ul/100ul sample
ICV/I.BLK	SP6548
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN035276.D	25 Nov 2024 09:37	RC/JU	Ok
2	SSTDICC0.1	BN035277.D	25 Nov 2024 10:16	RC/JU	Ok,M
3	SSTDICC0.2	BN035278.D	25 Nov 2024 10:52	RC/JU	Ok,M
4	SSTDICCC0.4	BN035279.D	25 Nov 2024 11:28	RC/JU	Ok
5	SSTDICC0.8	BN035280.D	25 Nov 2024 12:04	RC/JU	Ok
6	SSTDICC1.6	BN035281.D	25 Nov 2024 12:40	RC/JU	Ok
7	SSTDICC3.2	BN035282.D	25 Nov 2024 13:16	RC/JU	Ok
8	SSTDICC5.0	BN035283.D	25 Nov 2024 13:52	RC/JU	Ok
9	SSTDICV0.4	BN035284.D	25 Nov 2024 14:29	RC/JU	Ok,M
10	PB165150BL	BN035285.D	25 Nov 2024 15:44	RC/JU	Ok,M
11	P4934-02	BN035286.D	25 Nov 2024 16:20	RC/JU	Ok
12	P4934-05	BN035287.D	25 Nov 2024 16:56	RC/JU	Ok,M
13	P4934-06MS	BN035288.D	25 Nov 2024 17:32	RC/JU	Ok,M
14	P4934-07MSD	BN035289.D	25 Nov 2024 18:08	RC/JU	Ok,M
15	PB165150BS	BN035290.D	25 Nov 2024 18:44	RC/JU	Ok,M
16	SSTDCCC0.4	BN035291.D	25 Nov 2024 19:20	RC/JU	Ok,M
17	DFTPP	BN035292.D	25 Nov 2024 20:35	RC/JU	Ok
18	SSTDCCC0.4	BN035293.D	25 Nov 2024 23:02	RC/JU	Ok,M
19	PB165198BL	BN035294.D	25 Nov 2024 23:38	RC/JU	Ok,M
20	PB165198BS	BN035295.D	26 Nov 2024 00:14	RC/JU	Not Ok
21	PB165198BSD	BN035296.D	26 Nov 2024 00:50	RC/JU	Not Ok

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN112524

Review By	yogesh	Review On	11/27/2024 5:30:45 AM				
Supervise By	mohammad	Supervise On	11/27/2024 6:04:55 AM				
SubDirectory	BN112524	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn112524		

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC	SP6661
Internal Standard/PEM	SP6527,1ul/100ul sample
ICV/I.BLK	SP6548
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4959-01	BN035297.D	26 Nov 2024 01:26	RC/JU	ReRun
23	P4959-02	BN035298.D	26 Nov 2024 02:02	RC/JU	Ok,M
24	P4959-03	BN035299.D	26 Nov 2024 02:38	RC/JU	Ok,M
25	SSTDCCC0.4	BN035300.D	26 Nov 2024 03:14	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN111324

Review By	yogesh	Review On	11/14/2024 3:07:49 AM	
Supervise By	mohammad	Supervise On	11/14/2024 3:22:04 AM	
SubDirectory	BN111324	HP Acquire Method	BNA_N, 8270_HP Processing Method	BN111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6603,SP6602,SP6601,SP6600,SP6599,SP6598,SP6597
CCC	SP6601
Internal Standard/PEM	SP6527
ICV/I.BLK	SP6548
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN035061.D	13 Nov 2024 12:01		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN035062.D	13 Nov 2024 12:40		RC/JU	Ok
3	SSTDICC0.2	SSTDICC0.2	BN035063.D	13 Nov 2024 13:16		RC/JU	Ok
4	SSTDICCC0.4	SSTDICCC0.4	BN035064.D	13 Nov 2024 13:52		RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN035065.D	13 Nov 2024 14:28		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN035066.D	13 Nov 2024 15:04		RC/JU	Ok,M
7	SSTDICC3.2	SSTDICC3.2	BN035067.D	13 Nov 2024 15:39		RC/JU	Ok,M
8	SSTDICC5.0	SSTDICC5.0	BN035068.D	13 Nov 2024 16:15		RC/JU	Ok
9	SSTDICV0.4	ICVBN111324	BN035069.D	13 Nov 2024 16:51		RC/JU	Ok,M
10	PB164785BL	PB164785BL	BN035070.D	13 Nov 2024 17:27		RC/JU	Ok
11	PB164785BS	PB164785BS	BN035071.D	13 Nov 2024 18:03		RC/JU	Ok
12	PB164785BSD	PB164785BSD	BN035072.D	13 Nov 2024 18:38		RC/JU	Ok
13	P4765-02	DSN002	BN035073.D	13 Nov 2024 19:14		RC/JU	Ok
14	P4765-06	DSN003	BN035074.D	13 Nov 2024 19:50		RC/JU	Ok
15	P4767-02	TOWER-2	BN035075.D	13 Nov 2024 20:26		RC/JU	Ok,M
16	P4773-01	RW7-SP100-20241107	BN035076.D	13 Nov 2024 21:01	Need 2X Dilution	RC/JU	Dilution
17	P4773-02	RW7-SP201-20241107	BN035077.D	13 Nov 2024 21:37		RC/JU	Ok
18	P4774-06	BP-VPB-190-GW-638-6	BN035078.D	13 Nov 2024 22:13		RC/JU	Ok

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN111324

Review By	yogesh	Review On	11/14/2024 3:07:49 AM	
Supervise By	mohammad	Supervise On	11/14/2024 3:22:04 AM	
SubDirectory	BN111324	HP Acquire Method	BNA_N, 8270_HP Processing Method	BN111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6603,SP6602,SP6601,SP6600,SP6599,SP6598,SP6597
CCC	SP6601
Internal Standard/PEM	SP6527
ICV/I.BLK	SP6548
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4774-02	VPB190-HYD-2024110	BN035079.D	13 Nov 2024 22:49	Surrogate Fail	RC/JU	ReRun
20	SSTDCCC0.4	SSTDCCC0.4EC	BN035080.D	13 Nov 2024 23:24		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN112124

Review By	yogesh	Review On	11/22/2024 3:55:12 AM	
Supervise By	mohammad	Supervise On	11/22/2024 4:01:18 AM	
SubDirectory	BN112124	HP Acquire Method	BNA_N, 8270_HP Processing Method	BN111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6603,SP6602,SP6601,SP6600,SP6599,SP6598,SP6597
CCC	SP6601
Internal Standard/PEM	SP6527,1ul/100ul sample
ICV/I.BLK	SP6548
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN035218.D	21 Nov 2024 12:43		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN035219.D	21 Nov 2024 13:22		RC/JU	Ok,M
3	PB165012BL	PB165012BL	BN035220.D	21 Nov 2024 13:58		RC/JU	Ok,M
4	P4868-02	RW5-SP201-20241114	BN035221.D	21 Nov 2024 14:35		RC/JU	Ok,M
5	P4868-01	RW5-SP100-20241114	BN035222.D	21 Nov 2024 15:12		RC/JU	Ok
6	P4866-01	RW7-SP200-20241114	BN035223.D	21 Nov 2024 15:48		RC/JU	Ok,M
7	P4868-03	RW5-SP303-20241114	BN035224.D	21 Nov 2024 16:24		RC/JU	Ok,M
8	P4866-02	RW7-SP201-20241114	BN035225.D	21 Nov 2024 17:00		RC/JU	Ok,M
9	PB165012BS	PB165012BS	BN035226.D	21 Nov 2024 17:36		RC/JU	Ok,M
10	PB165012BSD	PB165012BSD	BN035227.D	21 Nov 2024 18:12		RC/JU	Ok,M
11	P4934-03	BPOW6-7-20241118	BN035228.D	21 Nov 2024 18:48		RC/JU	Ok,M
12	P4934-04	DUP01-20241118	BN035229.D	21 Nov 2024 19:24		RC/JU	Ok,M
13	P4934-08	BPOW6-9-20241119	BN035230.D	21 Nov 2024 20:00		RC/JU	Ok
14	P4934-09	FB01-20241119	BN035231.D	21 Nov 2024 20:36		RC/JU	Ok
15	P4934-11	RB01-20241119	BN035232.D	21 Nov 2024 21:12		RC/JU	Ok,M
16	P4934-10	BPOW6-8-20241119	BN035233.D	21 Nov 2024 21:49		RC/JU	Ok,M
17	P4934-12	DUP02-20241119	BN035234.D	21 Nov 2024 22:25		RC/JU	Ok,M
18	SSTDCCC0.4	SSTDCCC0.4EC	BN035235.D	21 Nov 2024 23:01		RC/JU	Ok,M

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN112124

Review By	yogesh	Review On	11/22/2024 3:55:12 AM	
Supervise By	mohammad	Supervise On	11/22/2024 4:01:18 AM	
SubDirectory	BN112124	HP Acquire Method	BNA_N, 8270_HP Processing Method	BN111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6603,SP6602,SP6601,SP6600,SP6599,SP6598,SP6597
CCC	SP6601
Internal Standard/PEM	SP6527,1ul/100ul sample
ICV/I.BLK	SP6548
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN112524

Review By	yogesh	Review On	11/27/2024 5:30:45 AM	
Supervise By	mohammad	Supervise On	11/27/2024 6:04:55 AM	
SubDirectory	BN112524	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn112524

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC	SP6661
Internal Standard/PEM	SP6527,1ul/100ul sample
ICV/I.BLK	SP6548
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN035276.D	25 Nov 2024 09:37		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN035277.D	25 Nov 2024 10:16	Compound #3,20,24,34 removed from 0.1ppm	RC/JU	Ok,M
3	SSTDICC0.2	SSTDICC0.2	BN035278.D	25 Nov 2024 10:52	Compound #20 Kept on LR	RC/JU	Ok,M
4	SSTDICCC0.4	SSTDICCC0.4	BN035279.D	25 Nov 2024 11:28	This calibration is used for Only 1-4 Dioxane DOD Sample	RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN035280.D	25 Nov 2024 12:04		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN035281.D	25 Nov 2024 12:40		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN035282.D	25 Nov 2024 13:16		RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN035283.D	25 Nov 2024 13:52	Compound #20,24,30,34 removed from 5.0ppm	RC/JU	Ok
9	SSTDICV0.4	ICVBN112524	BN035284.D	25 Nov 2024 14:29		RC/JU	Ok,M
10	PB165150BL	PB165150BL	BN035285.D	25 Nov 2024 15:44		RC/JU	Ok,M
11	P4934-02	BPOW6-11-20241118	BN035286.D	25 Nov 2024 16:20		RC/JU	Ok
12	P4934-05	BPOW6-10-20241119	BN035287.D	25 Nov 2024 16:56		RC/JU	Ok,M
13	P4934-06MS	BPOW6-10-20241119M	BN035288.D	25 Nov 2024 17:32		RC/JU	Ok,M
14	P4934-07MSD	BPOW6-10-20241119M	BN035289.D	25 Nov 2024 18:08		RC/JU	Ok,M
15	PB165150BS	PB165150BS	BN035290.D	25 Nov 2024 18:44		RC/JU	Ok,M
16	SSTDCCC0.4	SSTDCCC0.4EC	BN035291.D	25 Nov 2024 19:20		RC/JU	Ok,M
17	DFTPP	DFTPP	BN035292.D	25 Nov 2024 20:35		RC/JU	Ok

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN112524

Review By	yogesh	Review On	11/27/2024 5:30:45 AM	
Supervise By	mohammad	Supervise On	11/27/2024 6:04:55 AM	
SubDirectory	BN112524	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn112524

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6663,SP6662,SP6661,SP6660,SP6659,SP6658,SP6657
CCC	SP6661
Internal Standard/PEM	SP6527,1ul/100ul sample
ICV/I.BLK	SP6548
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	SSTDCCC0.4	SSTDCCC0.4	BN035293.D	25 Nov 2024 23:02	CCC Fail high side for compound #2	RC/JU	Ok,M
19	PB165198BL	PB165198BL	BN035294.D	25 Nov 2024 23:38		RC/JU	Ok,M
20	PB165198BS	PB165198BS	BN035295.D	26 Nov 2024 00:14	CCC fail high side for compound #2	RC/JU	Not Ok
21	PB165198BSD	PB165198BSD	BN035296.D	26 Nov 2024 00:50	CCC fail high side for compound #2	RC/JU	Not Ok
22	P4959-01	RW5-SP100-20241121	BN035297.D	26 Nov 2024 01:26	Need 5X Dilution, CCC fail high side for compound #2	RC/JU	ReRun
23	P4959-02	RW5-SP201-20241121	BN035298.D	26 Nov 2024 02:02		RC/JU	Ok,M
24	P4959-03	RW5-SP303-20241121	BN035299.D	26 Nov 2024 02:38		RC/JU	Ok,M
25	SSTDCCC0.4	SSTDCCC0.4EC	BN035300.D	26 Nov 2024 03:14		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB165150

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#: E3574

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 11/21/2024

Extraction Start Time : 08:27

Extraction End Date : 11/21/2024

Extraction End Time : 13:25

Concentration By: EH

Supervisor By : rajesh

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	SP6606
Surrogate	1.0ML	0.4 PPM	SP6666
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	E3828
Baked Na2SO4	N/A	EP2562
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2565
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# 2210673. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID: Water bath -01

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/21/24	RP (Sept. Lab)	AC/SVOC
13:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

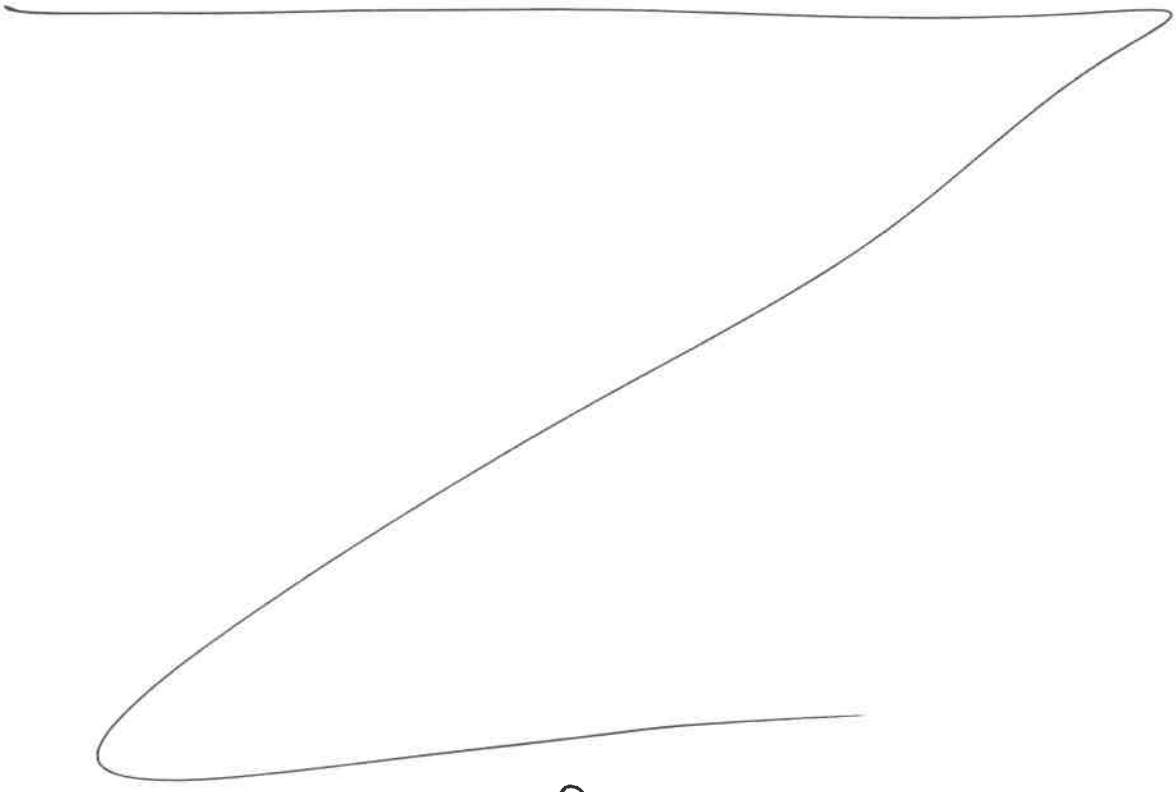
EXTRACTION LOGPAGE

PrepBatch ID : PB165150

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 11/21/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165150BL	SBLK150	SVOC-SIMGroup1	1000	6	RUPESH	rajesh	1			SEP-1
PB165150BS	SLCS150	SVOC-SIMGroup1	1000	6	RUPESH	rajesh	1			2
P4934-02	BPOW6-11-20241118	SVOC-SIMGroup1	970	6	RUPESH	rajesh	1	C		3
P4934-03	BPOW6-7-20241118	SVOC-SIMGroup1	1000	6	RUPESH	rajesh	1	C		4
P4934-04	DUP-01-20241118	SVOC-SIMGroup1	1000	6	RUPESH	rajesh	1	C		5
P4934-05	BPOW6-10-20241118	SVOC-SIMGroup1	1000	6	RUPESH	rajesh	1	C		6
P4934-06	P4934-05MS	SVOC-SIMGroup1	1000	6	RUPESH	rajesh	1	C		7
P4934-07	P4934-05MSD	SVOC-SIMGroup1	980	6	RUPESH	rajesh	1	C		8
P4934-08	BPOW6-9-20241118	SVOC-SIMGroup1	1000	6	RUPESH	rajesh	1	C		9
P4934-09	FB-01-20241119	SVOC-SIMGroup1	1000	6	RUPESH	rajesh	1	C		10
P4934-10	BPOW6-8-20241118	SVOC-SIMGroup1	990	6	RUPESH	rajesh	1	C		11
P4934-11	RB-01-20241119	SVOC-SIMGroup1	1000	6	RUPESH	rajesh	1	C		12
P4934-12	DUP-02-20241119	SVOC-SIMGroup1	990	6	RUPESH	rajesh	1	C		13



*** Extracts relinquished on the same date as received.**

11/21/24

P4934-SVOC-SIMGroup1

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4934 **WorkList ID :** 185627 **Department :** Extraction **Date :** 11-21-2024 08:14:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4934-02	BPOW6-11-20241118	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	L61	11/18/2024	8270-Modified
P4934-03	BPOW6-7-20241118	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	L61	11/18/2024	8270-Modified
P4934-04	DUP-01-20241118	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	L61	11/18/2024	8270-Modified
P4934-05	BPOW6-10-20241118	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	L61	11/19/2024	8270-Modified
P4934-06	P4934-05MS	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	L61	11/19/2024	8270-Modified
P4934-07	P4934-05MSD	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	L61	11/19/2024	8270-Modified
P4934-08	BPOW6-9-20241118	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	L61	11/19/2024	8270-Modified
P4934-09	FB-01-20241119	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	L61	11/19/2024	8270-Modified
P4934-10	BPOW6-8-20241118	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	L61	11/19/2024	8270-Modified
P4934-11	RB-01-20241119	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	L61	11/19/2024	8270-Modified
P4934-12	DUP-02-20241119	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	L61	11/19/2024	8270-Modified

Date/Time 11/21/24 8:20

Raw Sample Received by: RJ (Client rep)

Raw Sample Relinquished by: JD CSM

Date/Time 11/21/24 9:00

Raw Sample Received by: JD CSM

Raw Sample Relinquished by: RJ (Client rep)

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

Prep Standard - Chemical Standard Summary

Order ID : P4934

Test : SVOC-SIMGroup1

Prepbatch ID : PB165150,

Sequence ID/Qc Batch ID: BN112124,BN112524,

Standard ID :
EP2559,EP2562,EP2565,SP6527,SP6547,SP6548,SP6573,SP6596,SP6597,SP6598,SP6599,SP6600,SP6601,SP6602,SP6603,SP6606,SP6629,SP6656,SP6657,SP6658,SP6659,SP6660,SP6661,SP6662,SP6663,SP6666,

Chemical ID :
1ul/100ul
sample,E3551,E3657,E3746,E3759,E3768,E3786,E3788,E3791,E3817,E3818,E3828,M5173,S10103,S10247,S10782,S10977,S11003,S11011,S11097,S11494,S11566,S11766,S11771,S11831,S12029,S12077,S12079,S12096,S12105,S12112,S12113,S12117,S12126,S12189,S12207,S12314,S12453,W3112,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2559	11/14/2024	05/14/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 11/14/2024

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
3923	Baked Sodium Sulfate	EP2562	11/14/2024	01/03/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 11/14/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2565	11/20/2024	05/20/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/20/2024

FROM 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3493	Internal Standard 0.4 PPM	SP6527	06/10/2024	12/05/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/05/2024

FROM 0.10000ml of S12029 + 4.90000ml of E3759 = Final Quantity: 5.000 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3355	8270-SIM MDL-3.2PPM CALIBRATION STOCK SOL- 2ND SOURCE	SP6547	07/08/2024	11/21/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/08/2024

FROM 0.00630ml of S10977 + 0.01280ml of S11003 + 0.03200ml of S10782 + 0.03200ml of S11766 + 0.06400ml of S11566 + 0.06400ml of S12096 + 0.06400ml of S12117 + 19.72490ml of E3746 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3356	8270-SIM MDL-0.4PPM CALIBRATION SOL ICV-2ND SOURCE	SP6548	07/08/2024	11/21/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/08/2024

FROM 0.87500ml of E3746 + 0.01000ml of SP6527 + 0.12500ml of SP6547 = Final Quantity: 1.010 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6573	07/15/2024	01/08/2025	Rahul Chavli	None	None	Yogesh Patel 07/17/2024

FROM 1.00000ml of S10247 + 19.00000ml of E3768 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3339	8270 sim calibration stock 10ppm (CPI)	SP6596	08/09/2024	11/21/2024	Jagrut Upadhyay	None	None	Yogesh Patel 08/21/2024

FROM 0.02500ml of S12113 + 0.03350ml of S10103 + 0.05000ml of S11494 + 0.10000ml of S12112 + 0.12500ml of S10782 + 0.25000ml of S11097 + 0.25000ml of S12077 + 24.16650ml of E3786 = Final Quantity: 25.000 ml

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

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	SP6597	08/09/2024	11/21/2024	Jagrut Upadhyay	None	None	Yogesh Patel 08/21/2024

FROM 0.50000ml of E3786 + 0.01000ml of SP6527 + 0.50000ml of SP6596 = 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	SP6598	08/09/2024	11/21/2024	Jagrut Upadhyay	None	None	Yogesh Patel 08/21/2024

FROM 0.68000ml of E3786 + 0.01000ml of SP6527 + 0.32000ml of SP6596 = Final Quantity: 1.010 ml

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

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	SP6599	08/09/2024	11/21/2024	Jagrut Upadhyay	None	None	Yogesh Patel 08/21/2024

FROM 0.84000ml of E3786 + 0.01000ml of SP6527 + 0.16000ml of SP6596 = 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	SP6600	08/09/2024	11/21/2024	Jagrut Upadhyay	None	None	Yogesh Patel 08/21/2024

FROM 0.92000ml of E3786 + 0.01000ml of SP6527 + 0.08000ml of SP6596 = Final Quantity: 1.010 ml

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

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	SP6601	08/09/2024	11/21/2024	Jagrut Upadhyay	None	None	Yogesh Patel 08/21/2024

FROM 0.96000ml of E3786 + 0.01000ml of SP6527 + 0.04000ml of SP6596 = 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	SP6602	08/09/2024	11/21/2024	Jagrut Upadhyay	None	None	Yogesh Patel 08/21/2024

FROM 0.50000ml of E3786 + 0.01000ml of SP6527 + 0.50000ml of SP6601 = Final Quantity: 1.010 ml

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

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	SP6603	08/09/2024	11/21/2024	Jagrut Upadhyay	None	None	Yogesh Patel 08/21/2024

FROM 0.75000ml of E3786 + 0.01000ml of SP6527 + 0.25000ml of SP6601 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3492	8270-SIM-Spike 0.4 PPM	SP6606	08/20/2024	02/12/2025	Rahul Chavli	None	None	mohammad ahmed 08/21/2024

FROM 0.00160ml of S11011 + 0.02000ml of S11771 + 0.04000ml of S12105 + 0.04000ml of S12126 + 0.04000ml of S12453 + 99.85840ml of E3788 = Final Quantity: 100.000 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3493	Internal Standard 0.4 PPM	SP6629	09/12/2024	03/04/2025	Jagrut Upadhyay	None	None	Yogesh Patel 10/14/2024

FROM 0.10000ml of S12314 + 4.90000ml of E3791 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3339	8270 sim calibration stock 10ppm (CPI)	SP6656	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 11/28/2024

FROM 0.03350ml of S10103 + 0.05000ml of S11494 + 0.05000ml of S12079 + 0.12500ml of S11831 + 0.12500ml of S12113 + 0.20000ml of S12077 + 0.25000ml of S11097 + 24.16650ml of E3817 = Final Quantity: 25.000 ml

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

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	SP6657	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 11/28/2024

FROM 0.50000ml of E3817 + 0.01000ml of SP6629 + 0.50000ml of SP6656 = 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	SP6658	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 11/28/2024

FROM 0.68000ml of E3817 + 0.01000ml of SP6629 + 0.32000ml of SP6656 = Final Quantity: 1.010 ml

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

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	SP6659	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 11/28/2024

FROM 0.84000ml of E3817 + 0.01000ml of SP6629 + 0.16000ml of SP6656 = 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	SP6660	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 11/28/2024

FROM 0.92000ml of E3817 + 0.01000ml of SP6629 + 0.08000ml of SP6656 = Final Quantity: 1.010 ml

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

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	SP6661	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 11/28/2024

FROM 0.96000ml of E3817 + 0.01000ml of SP6629 + 0.04000ml of SP6656 = 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	SP6662	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 11/28/2024

FROM 0.50000ml of E3817 + 0.01000ml of SP6629 + 0.50000ml of SP6661 = Final Quantity: 1.010 ml

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

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	SP6663	10/24/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 11/28/2024

FROM 0.75000ml of E3817 + 0.01000ml of SP6629 + 0.25000ml of SP6661 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3491	8270-SIM-Surrogate 0.4 PPM	SP6666	10/29/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 11/28/2024

FROM 0.00800ml of S12189 + 0.01600ml of S12207 + 0.04000ml of S11831 + 199.93600ml of E3818 = Final Quantity: 200.000 ml

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 #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	01/03/2025	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)	24C0162011	11/25/2024	05/25/2024 / Rajesh	05/08/2024 / Rajesh	E3746

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)	24D1962005	12/08/2024	06/08/2024 / Rajesh	05/31/2024 / Rajesh	E3759

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)	24E2462004	01/08/2025	07/08/2024 / Rajesh	06/21/2024 / Rajesh	E3768

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)	24F1062004	02/01/2025	08/01/2024 / Rajesh	07/16/2024 / Rajesh	E3786

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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H1462005	04/23/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3788

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)	24G2362009	03/09/2025	09/09/2024 / Rajesh	09/03/2024 / Rajesh	E3791

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)	24H2762011	04/09/2025	10/09/2024 / Rajesh	10/09/2024 / Rajesh	E3817

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/23/2025	10/23/2024 / Rajesh	10/09/2024 / Rajesh	E3818

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)	24G0862003	05/09/2025	11/09/2024 / Rajesh	11/04/2024 / Rajesh	E3828

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)	0000281827	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	02/08/2025	08/08/2024 / Jagrut	12/09/2021 / Christian	S10103

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,	A0182667	01/15/2025	07/15/2024 / Rahul	03/18/2022 / Christian	S10247

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	A0186160	11/21/2024	05/21/2024 / Jagrut	09/07/2022 / Christian	S10782

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	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10977

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	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11003

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]	A0193449	02/20/2025	08/20/2024 / yogesh	01/13/2023 / Christian	S11011

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	495831	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11097

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	02/08/2025	08/08/2024 / Jagrut	08/11/2023 / Yogesh	S11494

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]	A0201940	12/05/2024	06/05/2024 / Rahul	09/18/2023 / Kiran	S11566

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	12/14/2024	06/14/2024 / Rahul	11/21/2023 / Rahul	S11766

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	02/20/2025	08/20/2024 / Rahul	11/21/2023 / Rahul	S11771

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	04/11/2025	10/11/2024 / Jagrut	11/21/2023 / rahul	S11831

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0201320	12/05/2024	06/05/2024 / Rahul	12/21/2023 / Rahul	S12029

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	02/08/2025	08/08/2024 / Jagrut	01/31/2024 / Rahul	S12077

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	04/24/2025	10/24/2024 / Jagrut	01/31/2024 / Rahul	S12079

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]	A0207706	12/05/2024	06/05/2024 / Rahul	02/05/2024 / Rahul	S12096

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12105

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	01/09/2025	07/09/2024 / Jagrut	03/08/2024 / Rahul	S12112

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	02/09/2025	08/09/2024 / Jagrut	03/08/2024 / Rahul	S12113

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]	A0203726	12/05/2024	06/05/2024 / Rahul	03/15/2024 / Rahul	S12117

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]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12126

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	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12189

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	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12207

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	A0206540	03/04/2025	09/04/2024 / anahy	05/30/2024 / Rahul	S12314

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12453

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.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Received on 02/07/23 by CG

~~S11097~~ S11096 to S11099

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	495831	≤ -10 °C	Methylene Chloride	10/30/2027	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	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*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: Briana Smith

Briana Smith
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.:** 495831 **Expiration Date:** 10/30/2027

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	1000 ± 17.22
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	1000 ± 17.22
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	1002 ± 17.25

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Briana Smith

Briana Smith
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 03/08/22 by CG S10242 to S10247

Catalog No. : 31615 **Lot No.:** A0182667

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 : March 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachlorophenol **CAS #** 87-86-5 (Lot 211229RSR) **Purity** 99%	1,003.6 µg/mL	+/- 5.8897 µg/mL +/- 45.7132 µg/mL +/- 66.0037 µg/mL	Gravimetric Unstressed Stressed
2	DFTPP (Decafluorotriphenylphosphine) **CAS #** 5074-71-5 (Lot Q117-147) **Purity** 95%	1,006.6 µg/mL	+/- 5.9074 µg/mL +/- 45.8508 µg/mL +/- 66.2023 µg/mL	Gravimetric Unstressed Stressed
3	Benzidine **CAS #** 92-87-5 (Lot 211228JLM) **Purity** 99%	1,008.4 µg/mL	+/- 5.9179 µg/mL +/- 45.9318 µg/mL +/- 66.3193 µg/mL	Gravimetric Unstressed Stressed
4	4,4'-DDT **CAS #** 50-29-3 (Lot 210916JLM) **Purity** 99%	1,007.6 µg/mL	+/- 5.9132 µg/mL +/- 45.8954 µg/mL +/- 66.2667 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

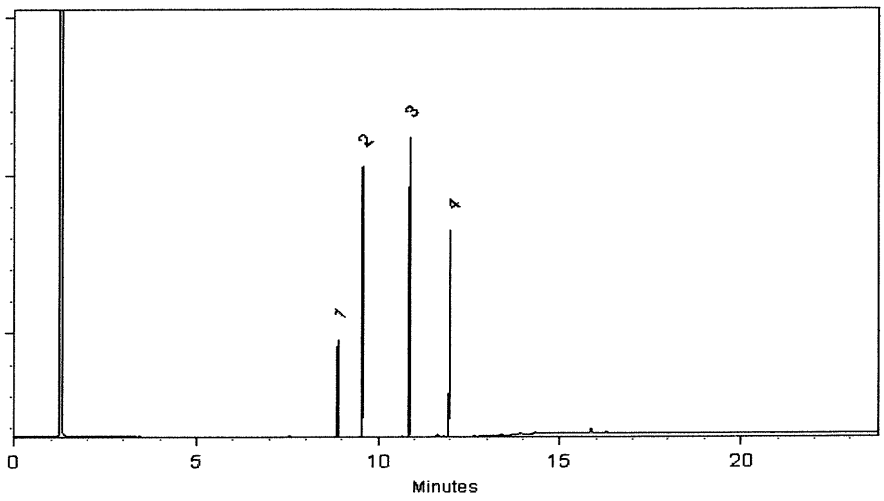
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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.

Morgan Craighead - Mix Technician

Date Mixed: 08-Mar-2022 **Balance:** B345965662

Merlina Cowan - Operations Tech I

Date Passed: 10-Mar-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 09/07/22 by CG

S10778 to S10782

Catalog No. : 33913 **Lot No.:** A0186160

Description : SOM01.0 SIM Analysis Standard

SOM01.0 SIM Analysis Standard 2000µg/mL, Methylene chloride, 1mL /ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2028 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Methylnaphthalene-d10	2,015.0 µg/mL	+/- 11.8254 µg/mL	Gravimetric
	CAS # 7297-45-2 (Lot EF-135)		+/- 90.7728 µg/mL	Unstressed
	Purity 96%		+/- 100.7207 µg/mL	Stressed
2	Fluoranthene-d10	2,007.0 µg/mL	+/- 11.7782 µg/mL	Gravimetric
	CAS # 93951-69-0 (Lot PR-20668)		+/- 90.4107 µg/mL	Unstressed
	Purity 99%		+/- 100.3188 µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

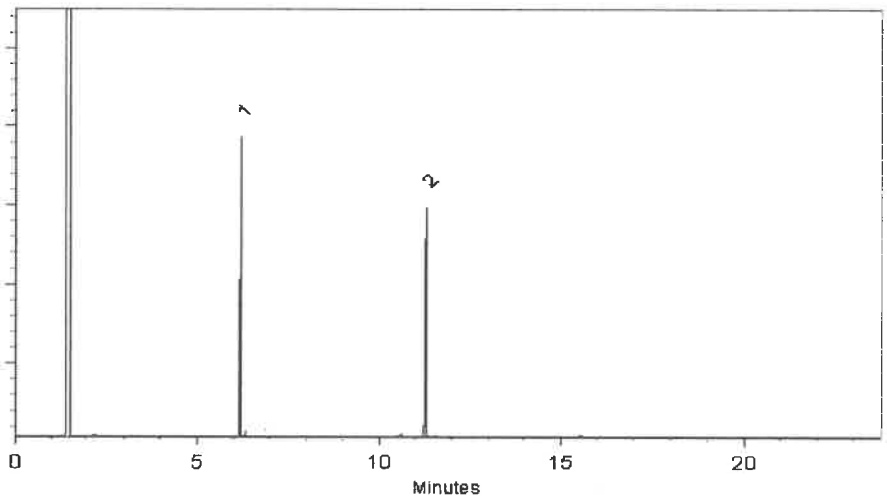
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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.

John Friedline - Operations Technician I

Date Mixed: 09-Jun-2022 **Balance:** B442140311

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 13-Jun-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

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 : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99% (Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL	Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL	Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

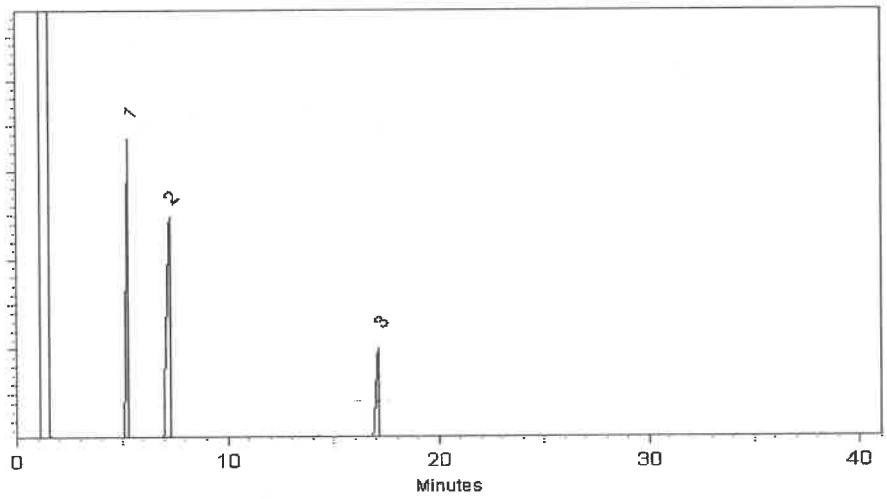
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 12/28/22
S10981 to S11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

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.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

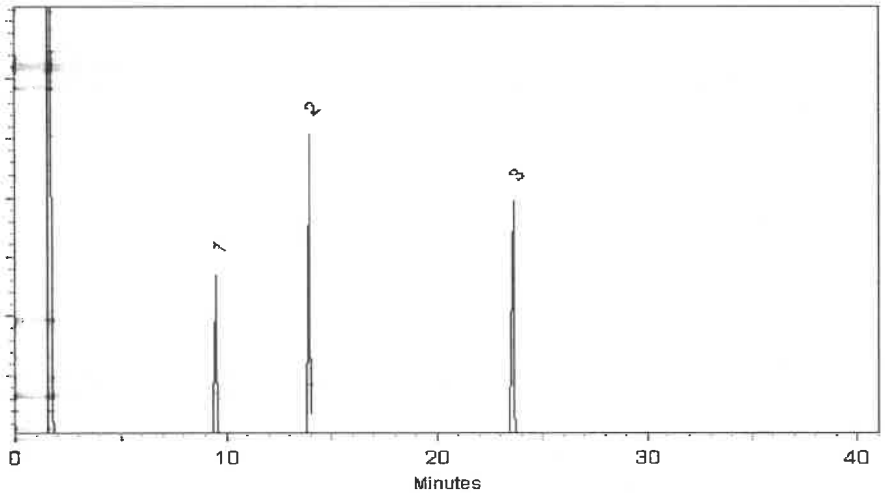
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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.

John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 01/13/23 by CG S11011 to S11015

Catalog No. : 555872 **Lot No.:** A0193449

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 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	Pentachlorophenol	87-86-5	RP221012	99%	25,050.0 µg/mL	+/- 778.6378

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I **Date Mixed:** 11-Jan-2023 **Balance:** B442140311

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.

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.

RG-02-01, Ed. 3

Recd. by RP 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

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker®

Material No.: 9266-A4
Batch No.: 24C0162011
Manufactured Date: 2024-01-04
Expiration Date: 2025-04-04
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 Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.2 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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24A04224

E 3746

Ken Koehnlein
Sr. Manager, Quality Assurance

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker®

Material No.: 9266-A4
Batch No.: 24D1962005
Manufactured Date: 2024-03-16
Expiration Date: 2025-06-15
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 Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	8
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	0.1 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24C16563

E 3759

Jamie Croak
Director Quality Operations, Bioscience Production

PO: PO1-8886 PRODUCT CODE: SHIP DATE: 6/21/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24E2462004
Manufactured Date: 2024-04-10
Expiration Date: 2025-07-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	3
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24D10725

E 3768

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

PO: PO1-9448 PRODUCT CODE: SHIP DATE: 7/16/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker®

Material No.: 9266-A4
Batch No.: 24F1062004
Manufactured Date: 2024-04-15
Expiration Date: 2025-07-15
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 Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	7
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24D15750

E 3786

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.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 8/13/24

E 3788

Ken Koehnlein
Sr. Manager, Quality Assurance

PO: PO2-76 PRODUCT CODE: SHIP DATE: 9/3/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker®

Material No.: 9266-A4
Batch No.: 24G2362009
Manufactured Date: 2024-06-10
Expiration Date: 2025-09-09
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	2
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24F10024

E 3791

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.: 24H2762011
Manufactured Date: 2024-06-05
Expiration Date:2025-09-04
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	5
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 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

E 3817

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

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 10/9/24

E 3818

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

Page 1 of 1

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24J0862003
Manufactured Date: 2024-09-12
Expiration Date:2025-12-12
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 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 3828

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

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.189
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	< 1
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	< 0.5
Phosphate (PO_4)	<= 0.05 ppm	< 0.03
Sulfate (SO_4)	<= 0.5 ppm	< 0.3
Sulfite (SO_3)	<= 0.8 ppm	0.3
Ammonium (NH_4)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

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

Material No.: 9530-33
Batch No.: 0000281827

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	3.0
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities - Iron (Fe)	<= 15.0 ppb	1.0
Trace Impurities - Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities - Magnesium (Mg)	<= 10.0 ppb	< 0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	0.2
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities - Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	18.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities - Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities - Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 1.0 ppb	< 0.2
Trace Impurities - Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities - Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

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

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. : 555223 **Lot No.:** A0201940

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 : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

511539 ↓ 511568 — 7.6 / 0911

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	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

01-Nov-2022 rev.

RESTEK

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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. : 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.)

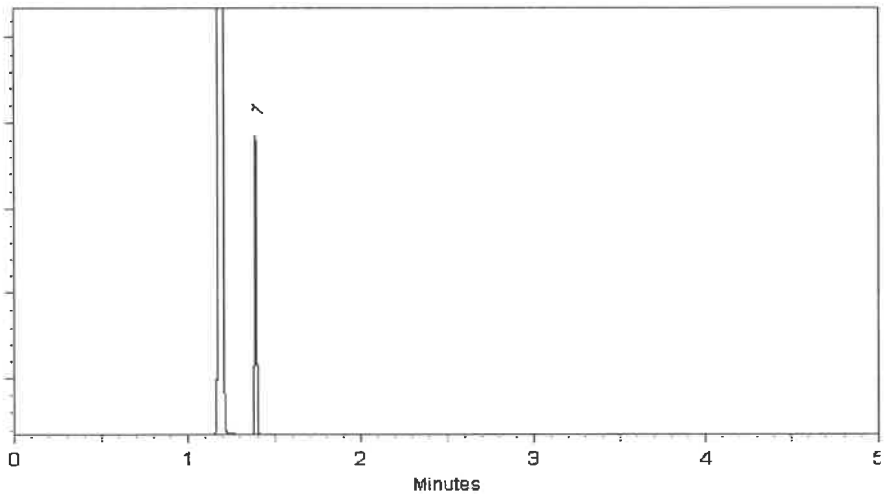
Inj. Temp:
250°C

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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. : 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.)

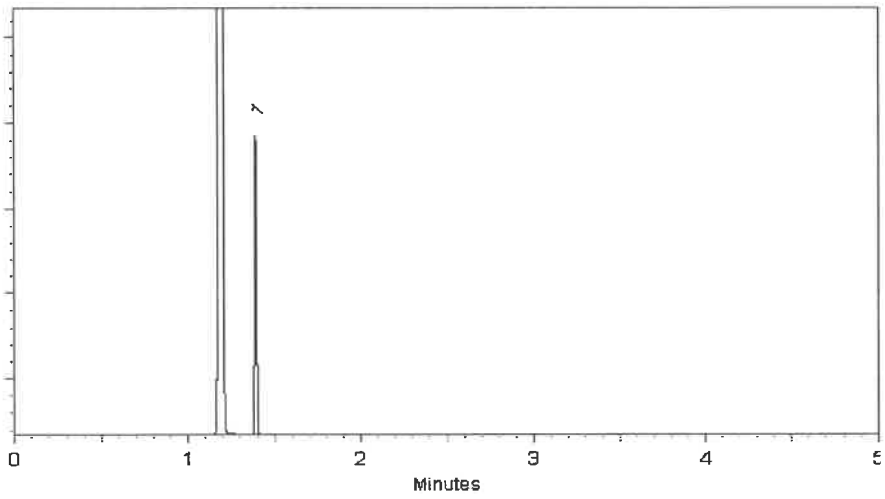
Inj. Temp:
250°C

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

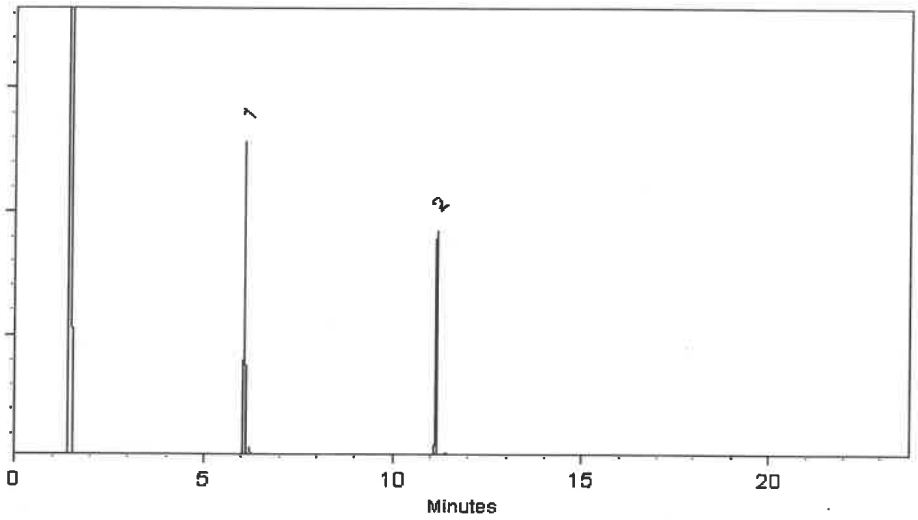
Inj. Temp:
250°C

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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. : 31206 **Lot No.:** A0201320

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S12013 ↓ S12042 RC 12/26/23

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 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	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,017.0 µg/mL	+/- 90.8469
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,011.3 µg/mL	+/- 90.5917
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,008.6 µg/mL	+/- 90.4685
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,019.4 µg/mL	+/- 90.9550
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,013.7 µg/mL	+/- 90.6968
6	Perylene-d12	1520-96-3	PR-33205	99%	2,012.7 µg/mL	+/- 90.6517

* 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.)

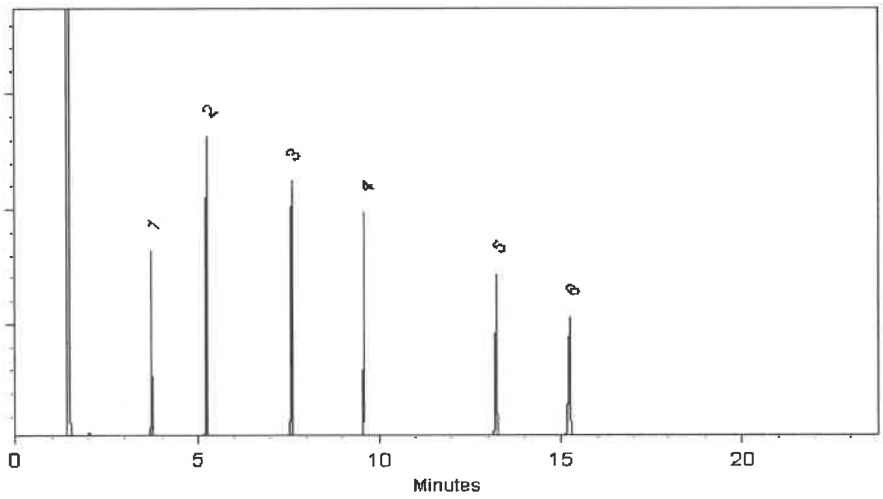
Inj. Temp:
250°C

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.

Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	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

S12075
↓
S12079
RC
02/01/24

*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.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	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

S12075
↓
S12079
RC
02/01/24

*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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 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%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 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%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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-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.

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-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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/-	36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/-	36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/-	36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/-	36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/-	36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/-	36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/-	36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/-	36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/-	36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/-	36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/-	36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/-	36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/-	36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/-	36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/-	36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/-	36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/-	36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/-	36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/-	36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/-	36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/-	36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/-	36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/-	36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/-	36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/-	36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/-	36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/-	36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/-	36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/-	36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/-	36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/-	36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/-	36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/-	36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/-	36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/-	36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/-	36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/-	36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/-	36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/-	36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/-	36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/-	36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/-	36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/-	36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/-	36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/-	36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/-	36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/-	36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/-	36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/-	36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/-	36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/-	36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/-	36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/-	36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/-	36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/-	36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/-	36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/-	36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/-	36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/-	36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/-	36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/-	36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/-	36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/-	36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/-	36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/-	36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/-	36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/-	36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/-	36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/-	36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/-	36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/-	36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/-	36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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. : 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.)

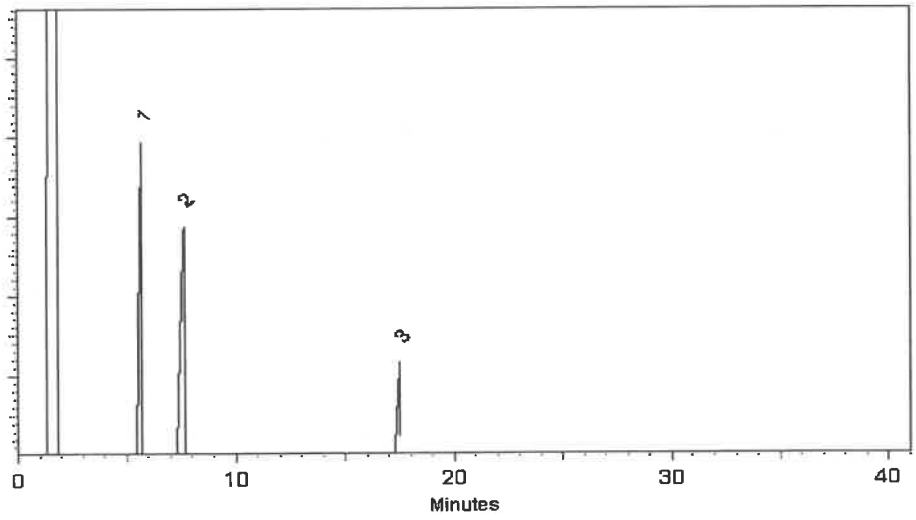
Inj. Temp:
250°C

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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

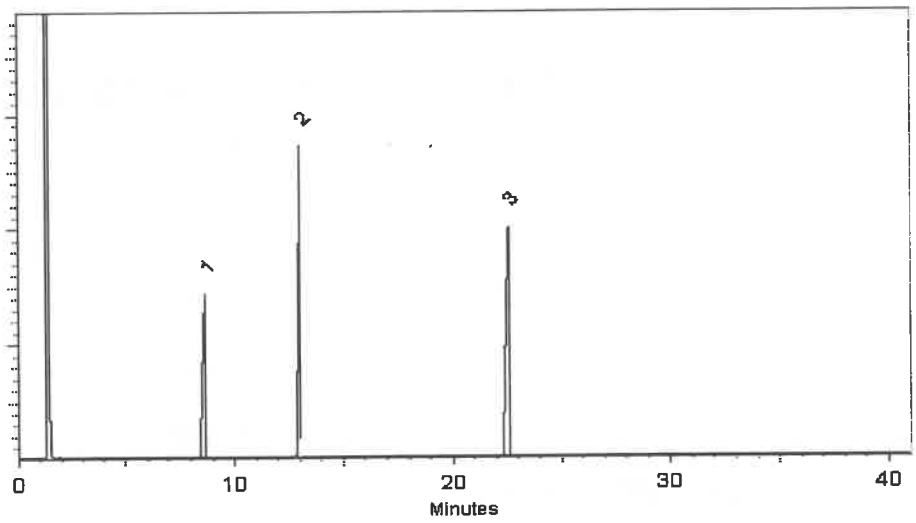
Inj. Temp:
250°C

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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S12312 ↓ S12331 } RC/ 05/30/24

Catalog No. : 31206 **Lot No.:** A0206540

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 : December 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	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* 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.)

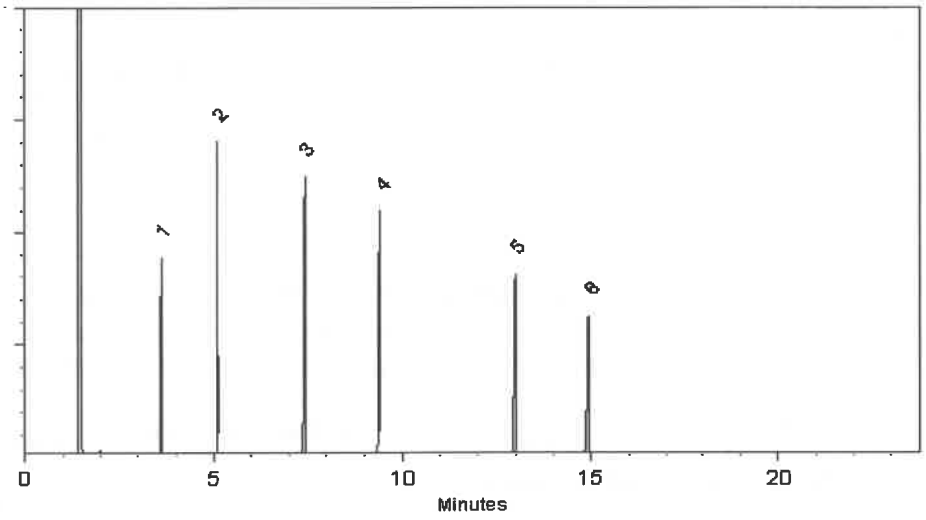
Inj. Temp:
250°C

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.

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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. : 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.

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P4934
QUOTE NO.
COC Number 2041988P4935

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Tetra Tech
ADDRESS: 4433 Corporation Lane Suite 300
CITY Virginia Beach STATE: ZIP: 23462
ATTENTION: Ernie Wu
PHONE: 7574664901 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT NO.: 112608005 - WB13 LOCATION:
PROJECT MANAGER: Ernie Wu
e-mail: ernie.wu at tetratech.com
PHONE: 757 466 4901 FAX:

CLIENT BILLING INFORMATION

BILL TO: See contract PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 72 Hours (3) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1 VOC's 8260B
2 1,4-Dioxane 8270D
3 1,4-Dioxane EPA 522
4
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES AE (1)	E (2)	EF (3)	4	5	6	7	8	9	COMMENTS
1.	TB-01-20241118	Aq		✓	11/18/24	12:00	2	2									Lab supplied Trip Blank
2.	BPOW6-11-20241118	GW		✓	11/18/24	14:15	5	2	1	2							
3.	BPOW6-7-20241118	GW		✓	11/18/24	16:15	5	2	1	2							
4.	DUP-01-20241118	GW		✓	11/18/24	12:00	5	2	1	2							
5.	BPOW6-10-20241119	GW		✓	11/19/24	11:00	15	6	3	6							DO MS/MSD
6.	BPOW6-9-20241119	GW		✓	11/19/24	12:55	5	2	1	2							
7.	FB-01-20241119	GW		✓	11/19/24	13:30	5	2	1	2							
8.	BPOW6-8-20241119	GW		✓	11/19/24	15:05	5	2	1	2							
9.	RB-01-20241119	Aq		✓	11/19/24	16:30	5	2	1	2							
10.	DUP-02-20241119	GW		✓	11/19/24	12:00	5	2	1	2							

PRESERVATIVES: A-HCl B-HN03 C-H2SO4 D-NaOH E-ICE F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1. Charles Meyer	11/20/24 1100	1.	11-20-24 1100
2.		2.	
3.	11-20-24 1451	3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.2 °C
Comments:

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

Copyright© 2020

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4934 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 11/20/2024 11:23:00 AM
Project Name : CTO WE13
Receive DateTime : 11/20/2024 2:51:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4934-01	~~TB-01-20241118~~ TB01-20241118	Water	11/18/2024	12:00	VOCMS Group1		8260-Low		3 Bus. Days
P4934-02	BPOW6-11-20241118	Water	11/18/2024	14:15	VOCMS Group1		8260-Low		3 Bus. Days
P4934-03	BPOW6-7-20241118	Water	11/18/2024	16:15	VOCMS Group1		8260-Low		3 Bus. Days
P4934-04	~~DUP-01-20241118~~ DUP01-20241118	Water	11/18/2024	12:00	VOCMS Group1		8260-Low		3 Bus. Days
P4934-05	~~BPOW6-10-20241118~~ BPOW6-10-20241119	Water	11/19/2024	11:00	VOCMS Group1		8260-Low		3 Bus. Days
P4934-06	P4934-05MS	Water	11/19/2024	11:00	VOCMS Group1		8260-Low		3 Bus. Days
P4934-07	P4934-05MSD	Water	11/19/2024	11:00	VOCMS Group1		8260-Low		3 Bus. Days
P4934-08	~~BPOW6-9-20241118~~ BPOW6-9-20241119	Water	11/19/2024	12:55					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4934 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 11/20/2024 11:23:00 AM
Project Name : CTO WE13
Receive DateTime : 11/20/2024 2:51:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
					VOCMS Group1		8260-Low	3 Bus. Days		
P4934-09	~~FB-01-20241119~~ FB01-20241119	Water	11/19/2024	13:30						
					VOCMS Group1		8260-Low	3 Bus. Days		
P4934-10	~~BPOW6-8-20241118~~ BPOW6-8-20241119	Water	11/19/2024	15:05						
					VOCMS Group1		8260-Low	3 Bus. Days		
P4934-11	~~RB-01-20241119~~ RB01-20241119	Water	11/19/2024	16:30						
					VOCMS Group1		8260-Low	3 Bus. Days		
P4934-12	~~DUP-02-20241119~~ DUP02-20241119	Water	11/19/2024	12:00						
					VOCMS Group1		8260-Low	3 Bus. Days		

Relinquished By :
Date / Time : 11-20-24 1540

Received By :
Date / Time : 11/20/24 15:40

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035066.D
Acq On : 13 Nov 2024 15:04
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: Nov 13 16:44:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 16:42:01 2024
Response via : Initial Calibration

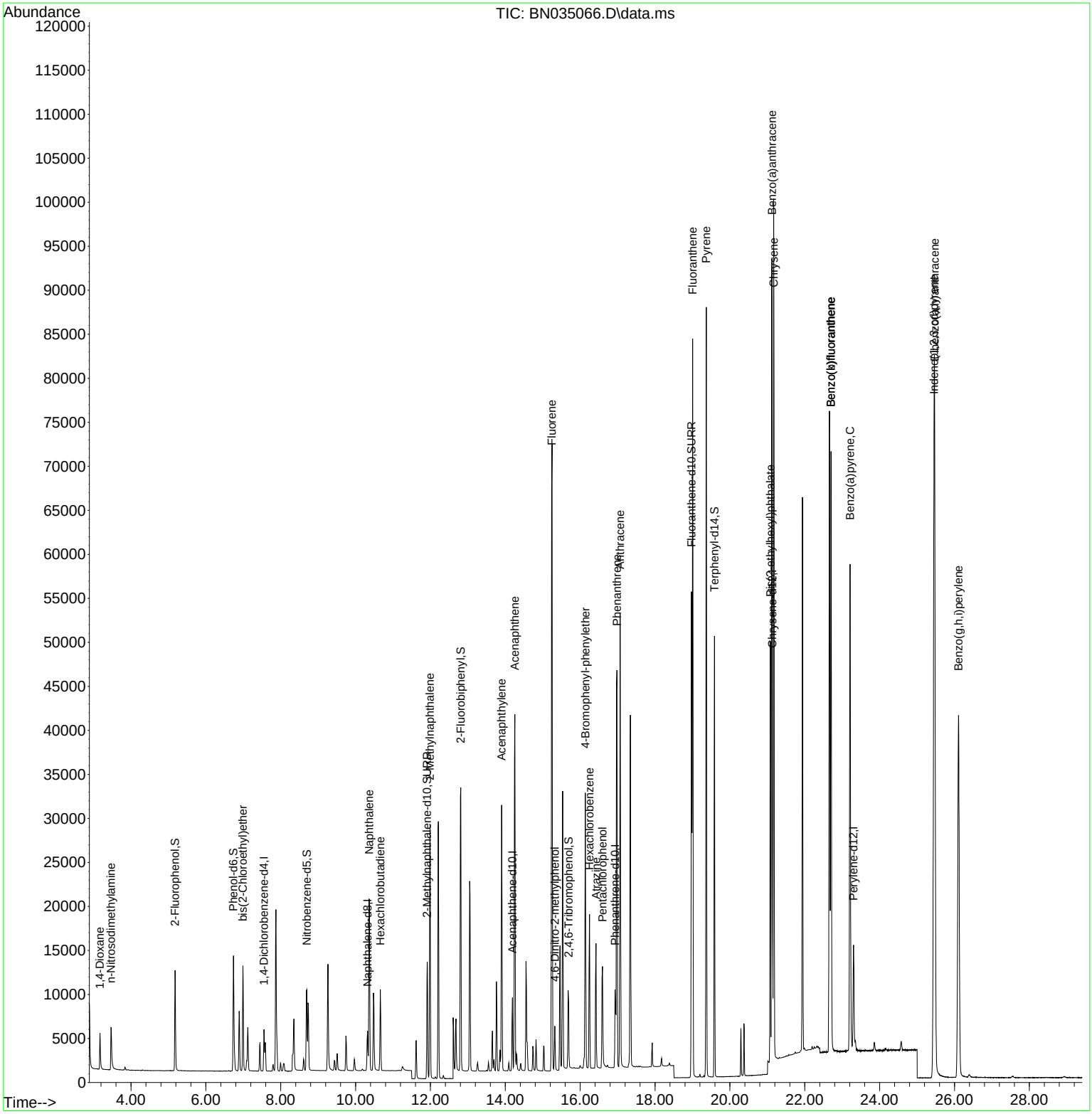
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.553	152	2280	0.400	ng		0.00
7) Naphthalene-d8	10.319	136	5826	0.400	ng		0.00
13) Acenaphthene-d10	14.190	164	4517	0.400	ng		0.00
19) Phenanthrene-d10	16.932	188	12068	0.400	ng	#	0.00
29) Chrysene-d12	21.133	240	13823	0.400	ng	#	0.00
35) Perylene-d12	23.303	264	15060	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	9427	1.629	ng		0.00
5) Phenol-d6	6.737	99	12023	1.657	ng		0.00
8) Nitrobenzene-d5	8.696	82	8306	1.643	ng		0.00
11) 2-Methylnaphthalene-d10	11.912	152	17545	1.690	ng		0.00
14) 2,4,6-Tribromophenol	15.691	330	5402	1.659	ng		0.00
15) 2-Fluorobiphenyl	12.811	172	30472	1.661	ng		0.00
27) Fluoranthene-d10	18.973	212	61972	1.676	ng		0.00
31) Terphenyl-d14	19.587	244	47914	1.652	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.169	88	3351	1.618	ng		98
3) n-Nitrosodimethylamine	3.465	42	3168	1.647	ng	#	97
6) bis(2-Chloroethyl)ether	6.990	93	9071	1.665	ng		99
9) Naphthalene	10.362	128	25283	1.662	ng		98
10) Hexachlorobutadiene	10.660	225	7338	1.646	ng	#	99
12) 2-Methylnaphthalene	11.988	142	18997	1.693	ng		99
16) Acenaphthylene	13.901	152	32064	1.661	ng		99
17) Acenaphthene	14.254	154	20910	1.653	ng		99
18) Fluorene	15.238	166	30868	1.659	ng		99
20) 4,6-Dinitro-2-methylph...	15.323	198	4259	1.695	ng	#	84
21) 4-Bromophenyl-phenylether	16.138	248	12888	1.676	ng	#	86
22) Hexachlorobenzene	16.250	284	13172	1.651	ng		99
23) Atrazine	16.424	200	11471	1.663	ng	#	93
24) Pentachlorophenol	16.597	266	6275	1.683	ng		98
25) Phenanthrene	16.982	178	52915	1.666	ng		99
26) Anthracene	17.069	178	49046	1.681	ng		100
28) Fluoranthene	19.006	202	73694	1.687	ng		100
30) Pyrene	19.368	202	75558	1.641	ng		100
32) Benzo(a)anthracene	21.125	228	78298	1.627	ng		100
33) Chrysene	21.169	228	78533	1.647	ng		98
34) Bis(2-ethylhexyl)phtha...	21.080	149	38807	1.549	ng		99
36) Indeno(1,2,3-cd)pyrene	25.452	276	99936	1.663	ng		100
37) Benzo(b)fluoranthene	22.701	252	84960	1.677	ng		96
38) Benzo(k)fluoranthene	22.701	252	84960	1.676	ng	#	95
39) Benzo(a)pyrene	23.209	252	74668	1.675	ng	#	94
40) Dibenzo(a,h)anthracene	25.469	278	79628	1.673	ng		98
41) Benzo(g,h,i)perylene	26.107	276	83498	1.649	ng		98

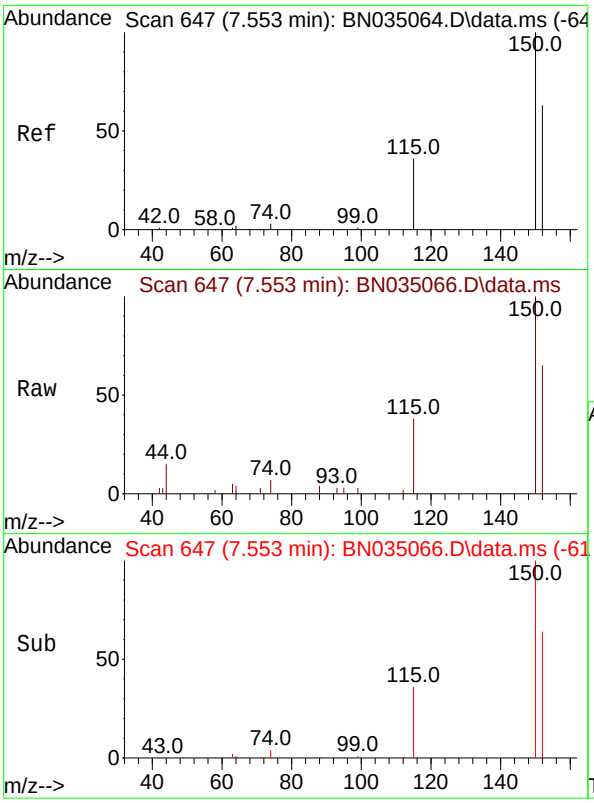
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035066.D
Acq On : 13 Nov 2024 15:04
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: Nov 13 16:44:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 16:42:01 2024
Response via : Initial Calibration



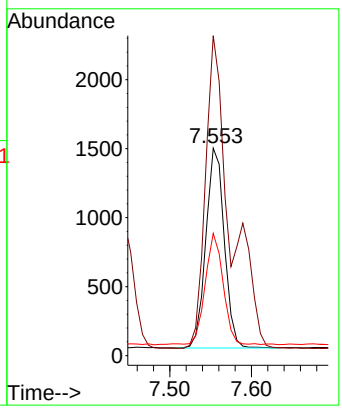


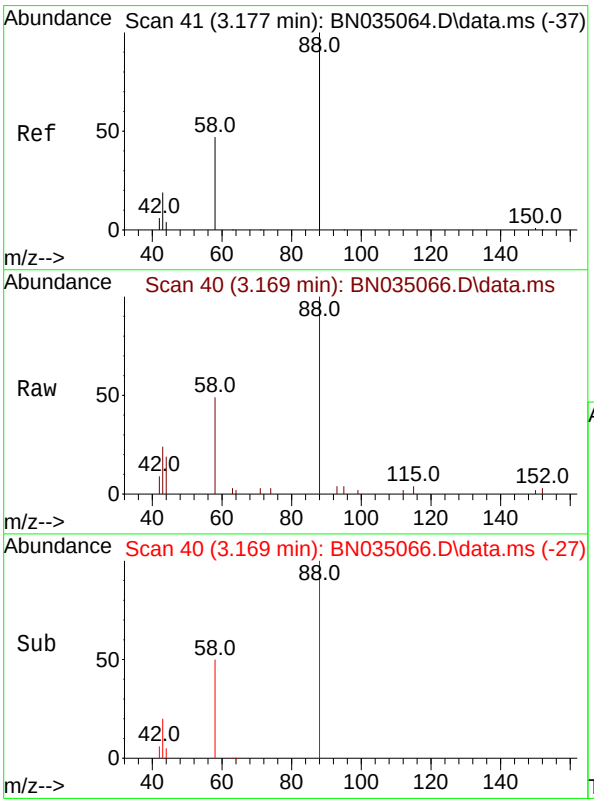
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.553 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 2280

Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.5	186.7
115	58.9	47.8	71.6

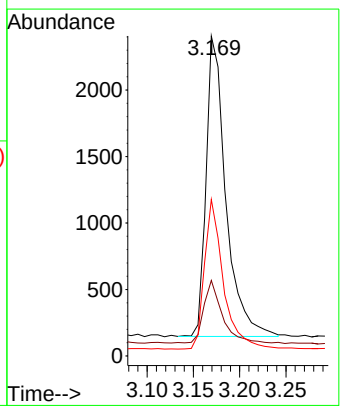


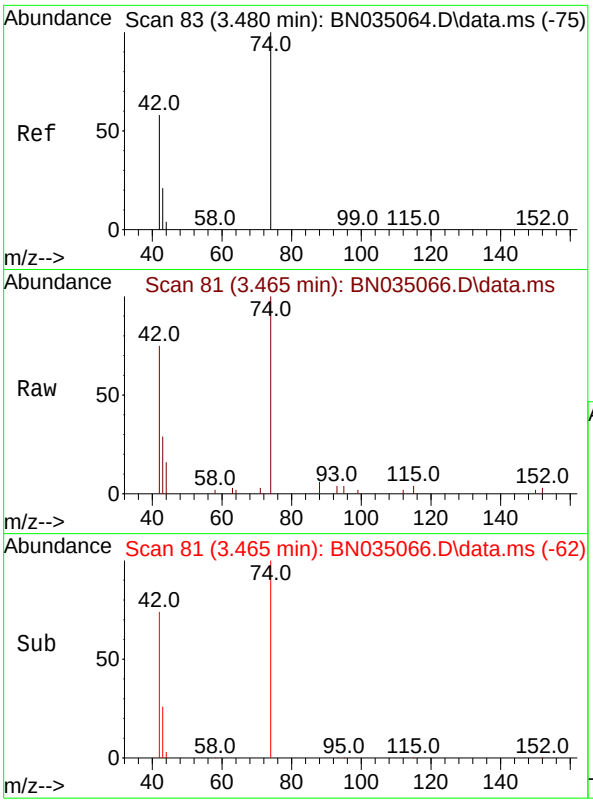


#2
1,4-Dioxane
Concen: 1.618 ng
RT: 3.169 min Scan# 40
Delta R.T. -0.007 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion: 88 Resp: 3351

Ion	Ratio	Lower	Upper
88	100		
43	20.3	16.9	25.3
58	47.7	39.0	58.4



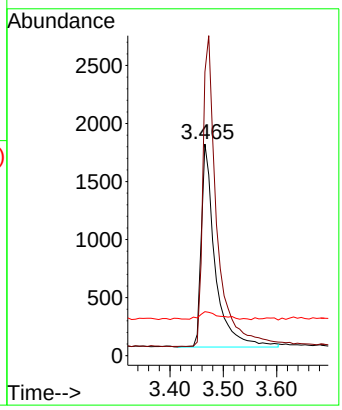


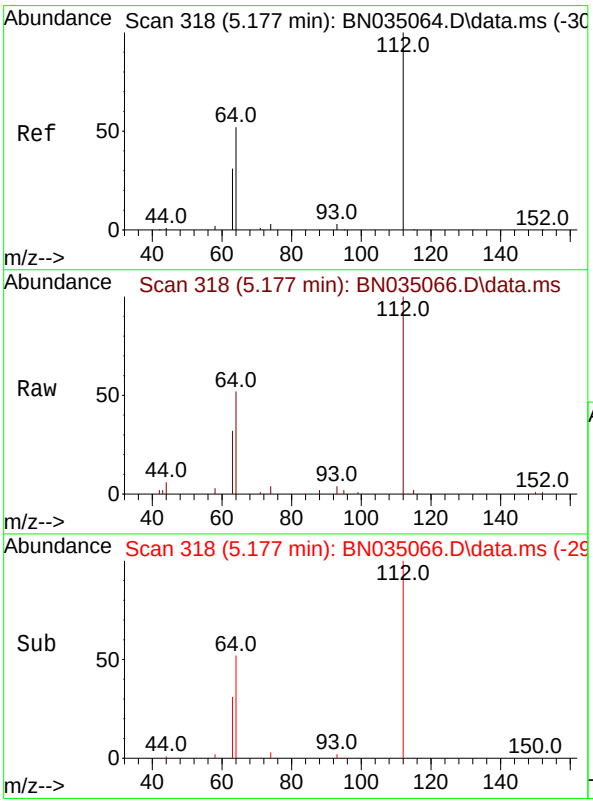
#3
n-Nitrosodimethylamine
Concen: 1.647 ng
RT: 3.465 min Scan# 81
Delta R.T. -0.015 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 42 Resp: 3168

Ion	Ratio	Lower	Upper
42	100		
74	155.0	120.8	181.2
44	6.3	2.9	4.3#

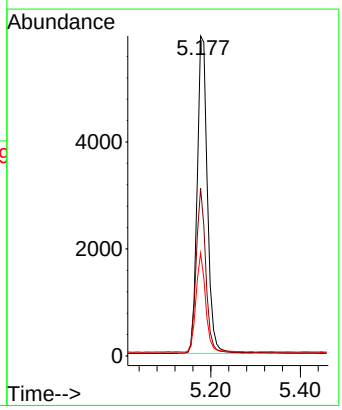


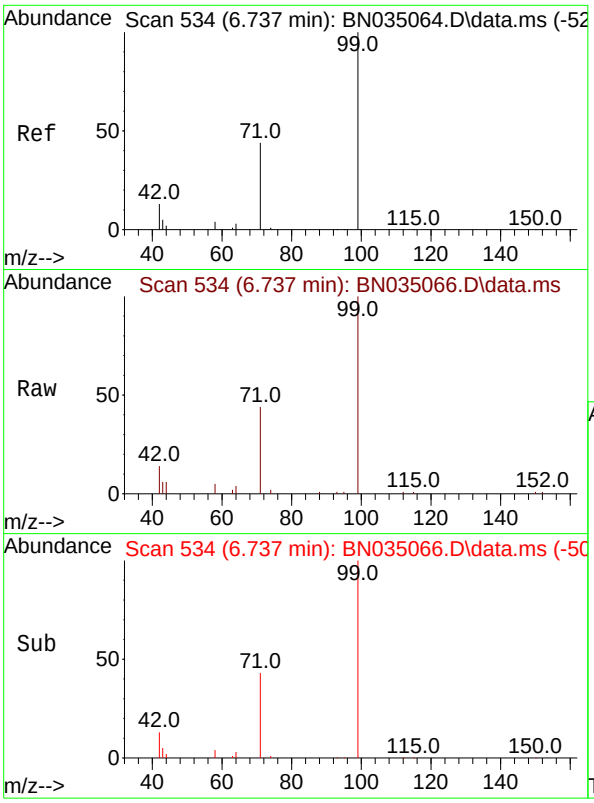


#4
2-Fluorophenol
Concen: 1.629 ng
RT: 5.177 min Scan# 318
Delta R.T. -0.000 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:112 Resp: 9427

Ion	Ratio	Lower	Upper
112	100		
64	48.8	39.7	59.5
63	29.4	23.0	34.4



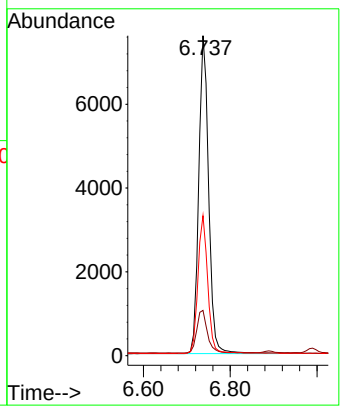


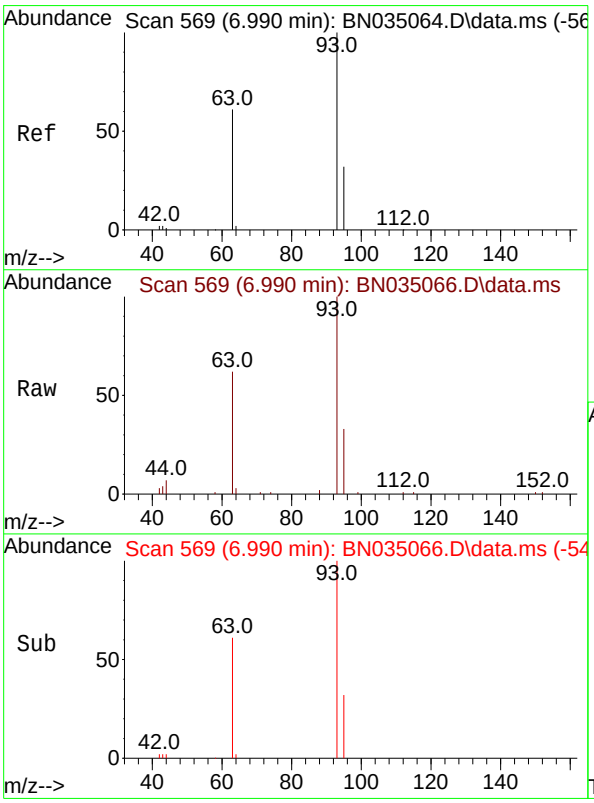
#5
Phenol-d6
Concen: 1.657 ng
RT: 6.737 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 99 Resp: 12023

Ion	Ratio	Lower	Upper
99	100		
42	14.5	11.4	17.0
71	42.9	34.6	51.8

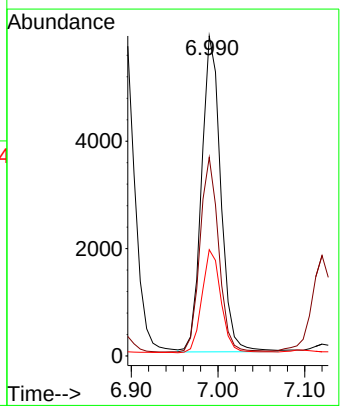


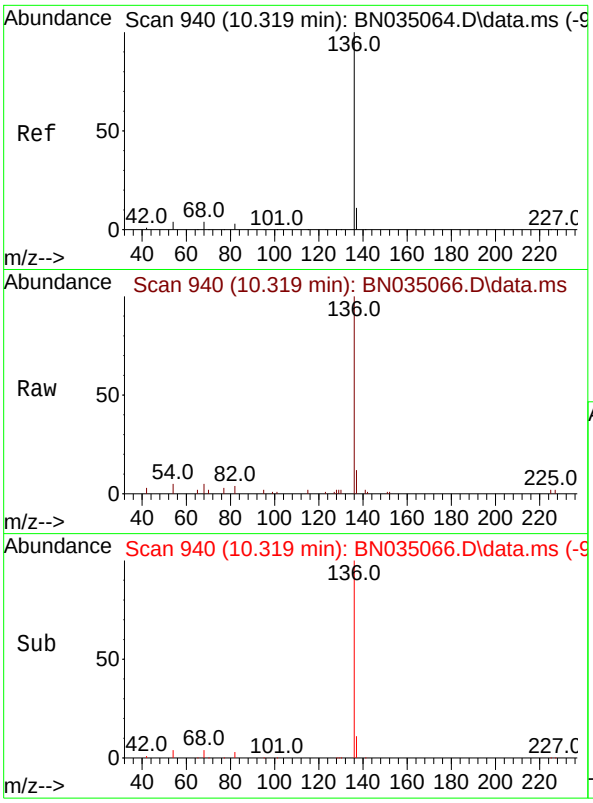


#6
bis(2-Chloroethyl)ether
Concen: 1.665 ng
RT: 6.990 min Scan# 569
Delta R.T. -0.000 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion: 93 Resp: 9071

Ion	Ratio	Lower	Upper
93	100		
63	60.3	47.4	71.2
95	32.3	26.2	39.4



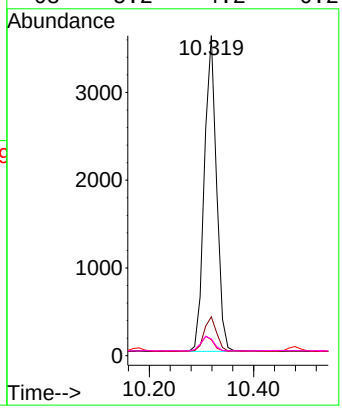


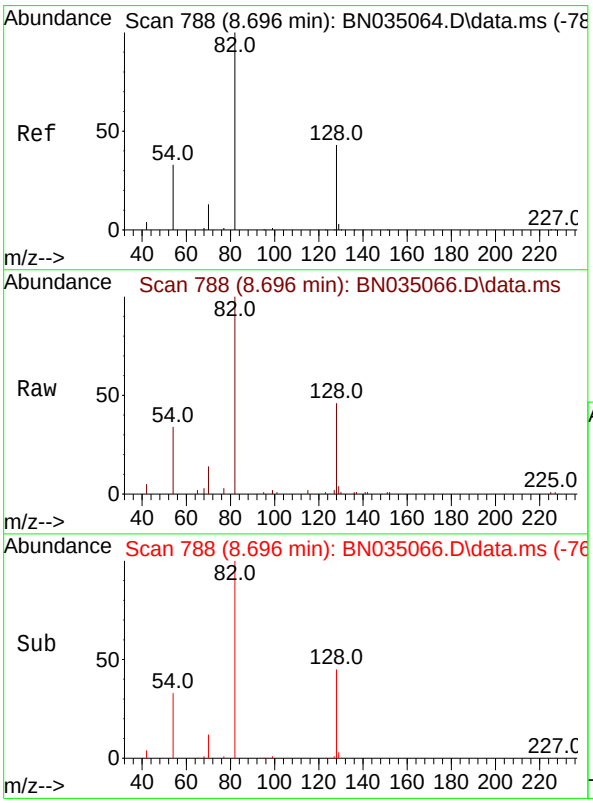
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.319 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:136 Resp: 5826

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.8	14.8
54	5.0	4.0	6.0
68	5.2	4.2	6.2

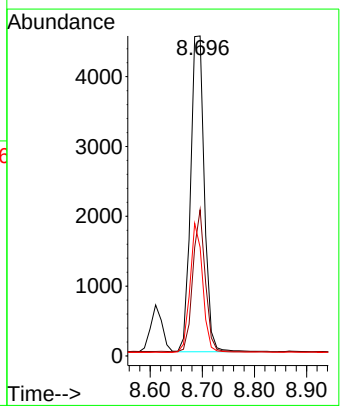


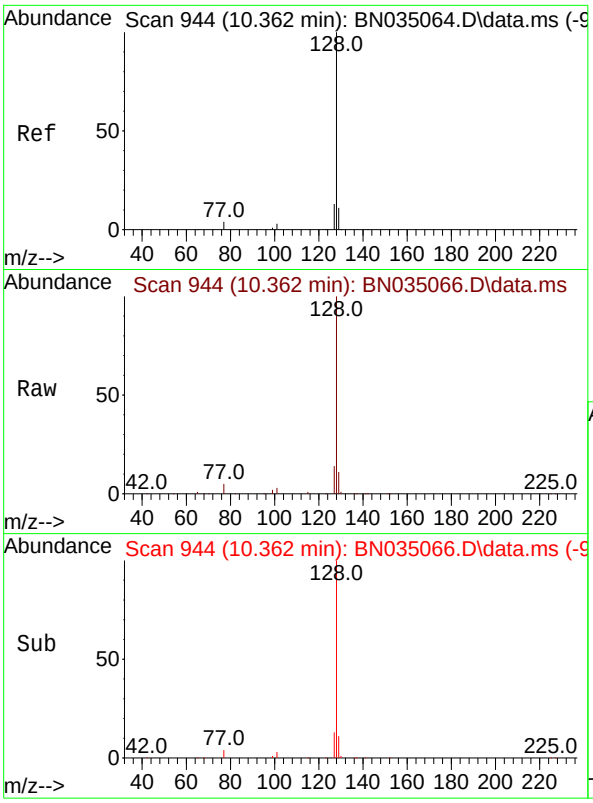


#8
Nitrobenzene-d5
Concen: 1.643 ng
RT: 8.696 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion: 82 Resp: 8306

Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.5	54.7
54	34.0	28.7	43.1



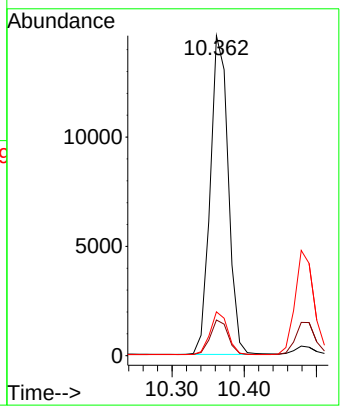


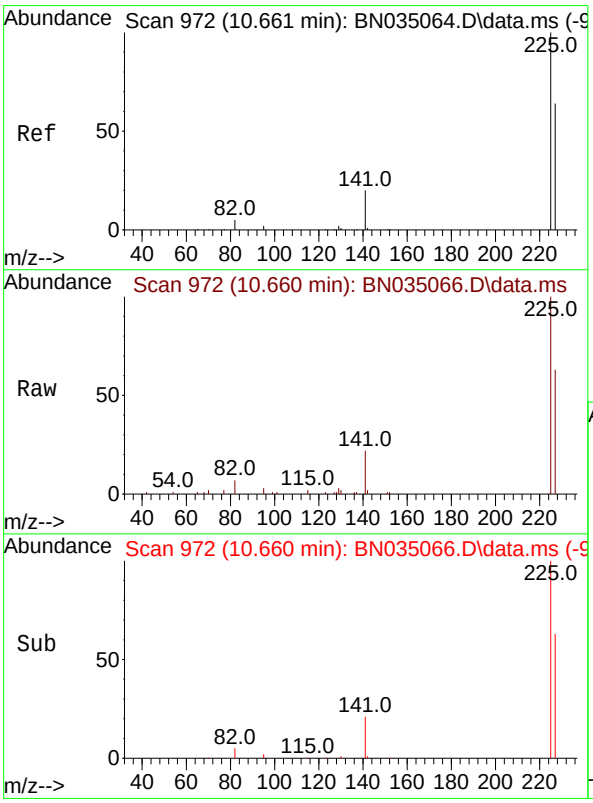
#9
Naphthalene
Concen: 1.662 ng
RT: 10.362 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:128 Resp: 25283

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.6	14.4
127	13.7	11.6	17.4

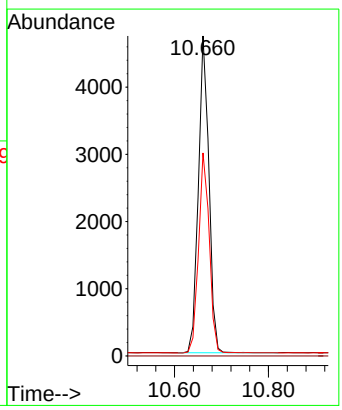


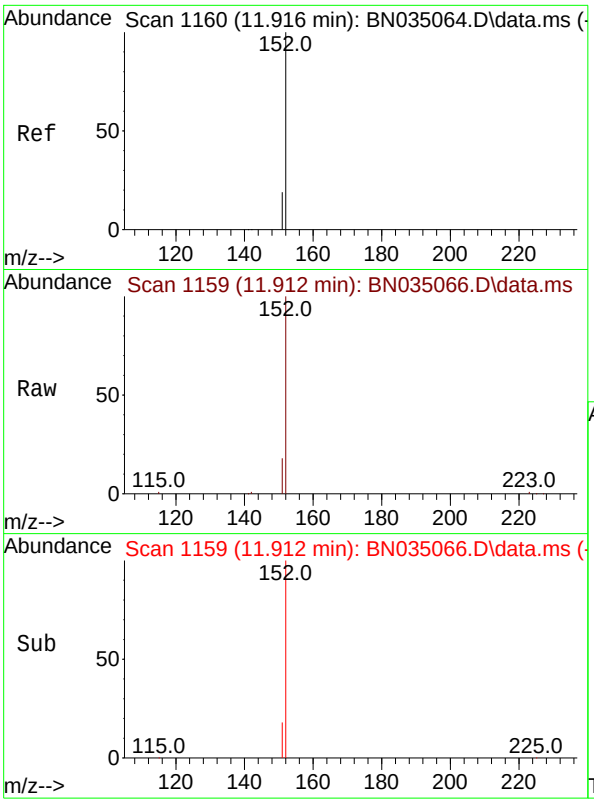


#10
Hexachlorobutadiene
Concen: 1.646 ng
RT: 10.660 min Scan# 972
Delta R.T. -0.000 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:225 Resp: 7338

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.5	77.3



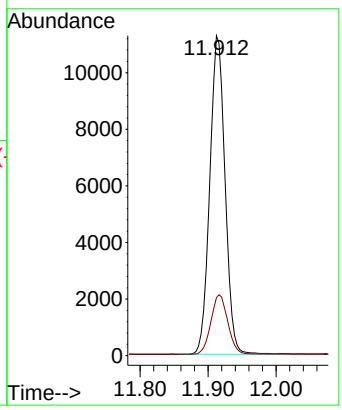


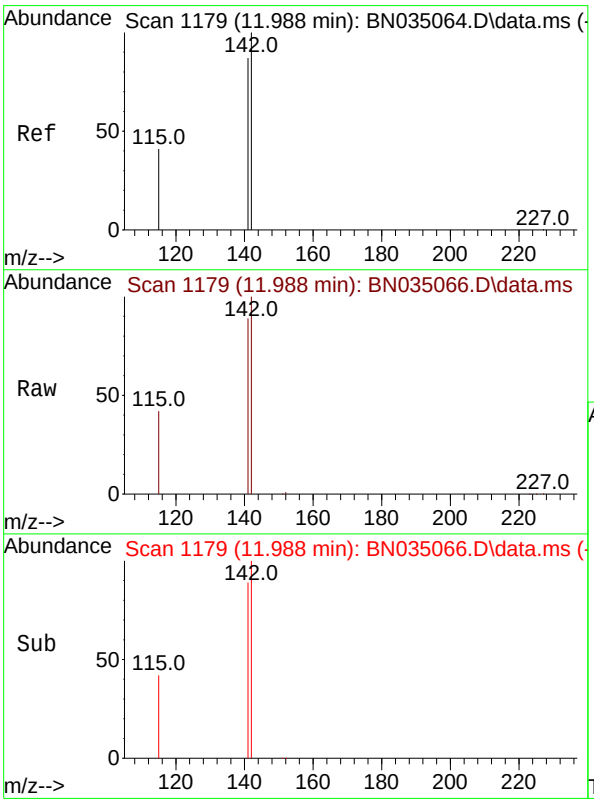
#11
2-Methylnaphthalene-d10
Concen: 1.690 ng
RT: 11.912 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 17545

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.4

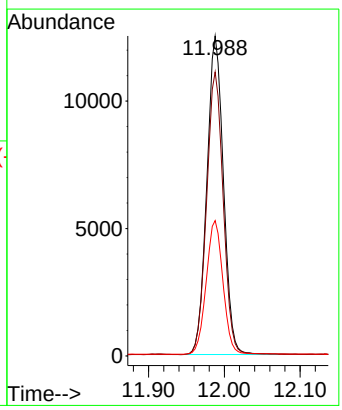


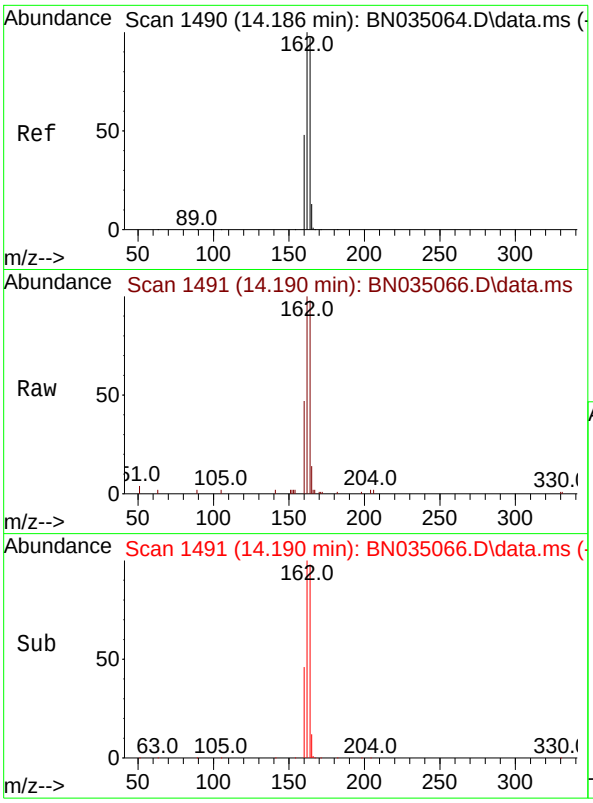


#12
2-Methylnaphthalene
Concen: 1.693 ng
RT: 11.988 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:142 Resp: 18997

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.1	105.1
115	42.3	34.4	51.6



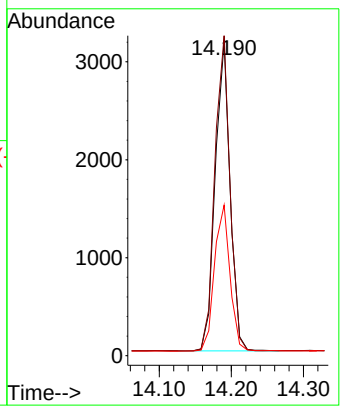


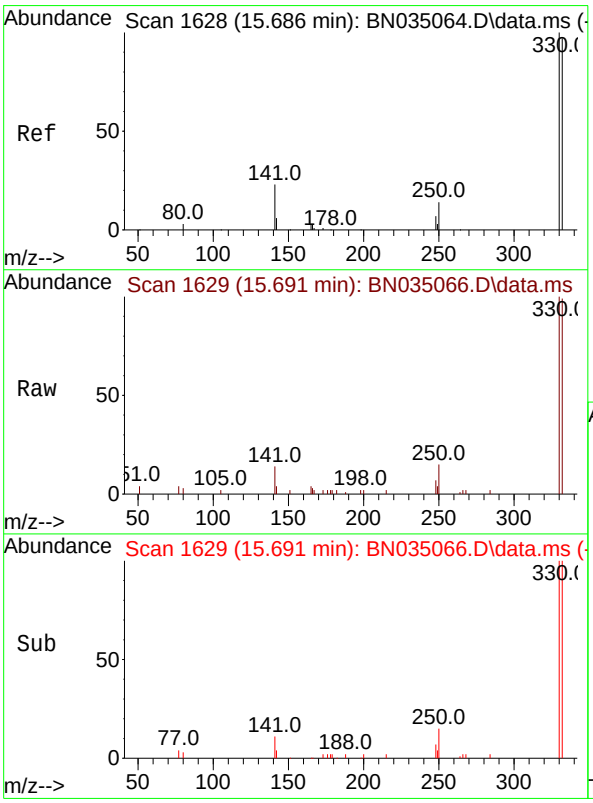
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.190 min Scan# 14
Delta R.T. 0.004 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:164 Resp: 4517

Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.2	123.2
160	47.9	40.2	60.4

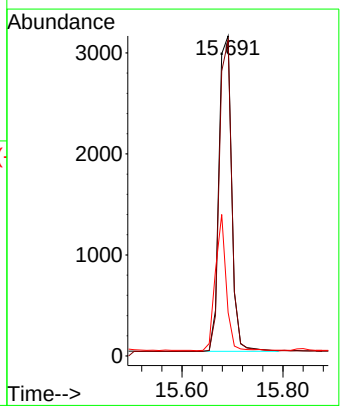


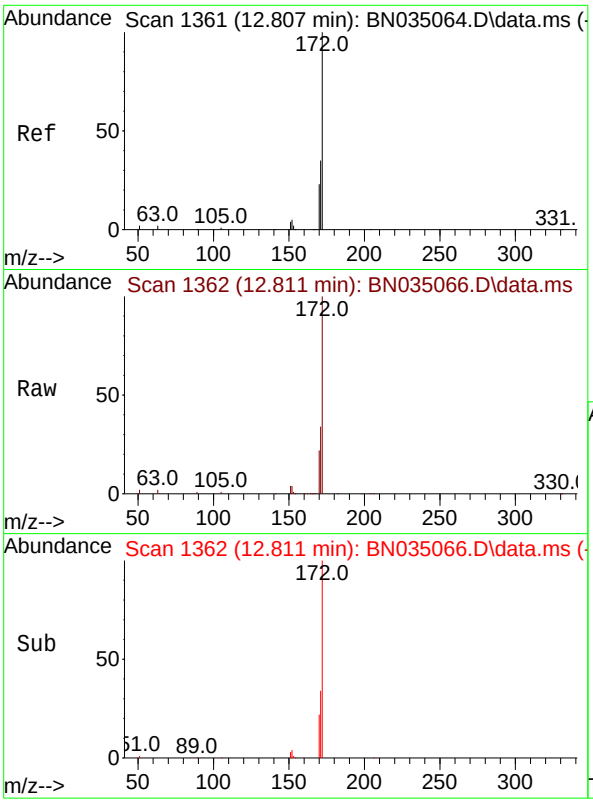


#14
2,4,6-Tribromophenol
Concen: 1.659 ng
RT: 15.691 min Scan# 1629
Delta R.T. 0.005 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:330 Resp: 5402

Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.9	115.3
141	37.2	29.6	44.4



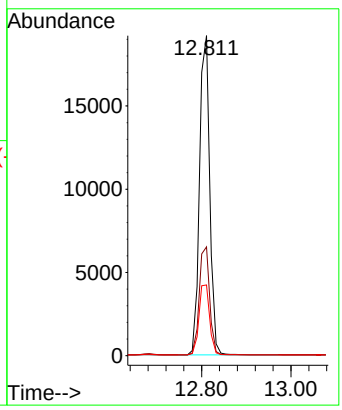


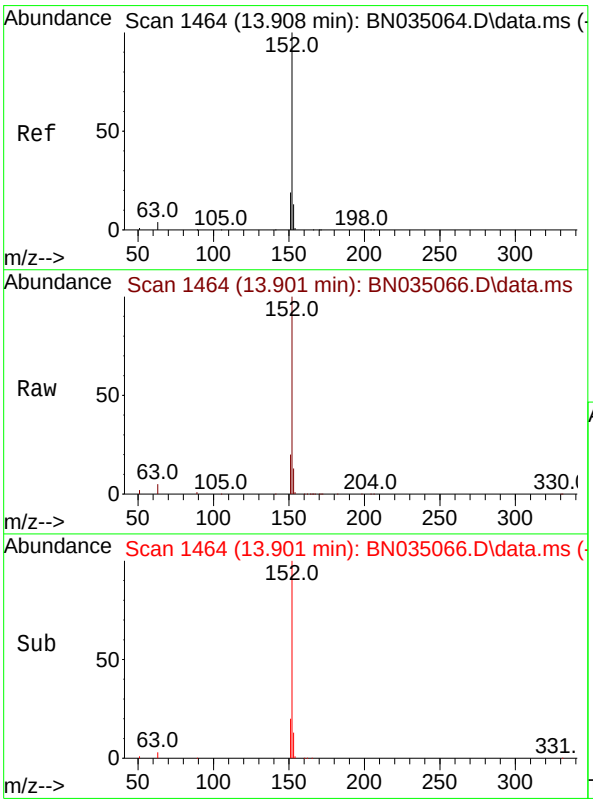
#15
2-Fluorobiphenyl
Concen: 1.661 ng
RT: 12.811 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:172 Resp: 30472

Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.2	42.4
170	22.1	19.0	28.6

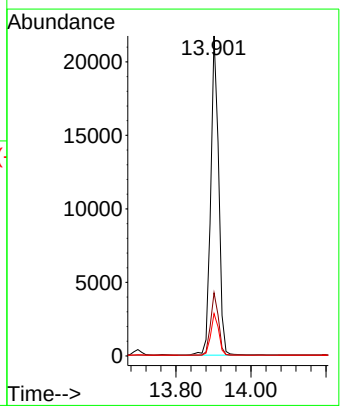


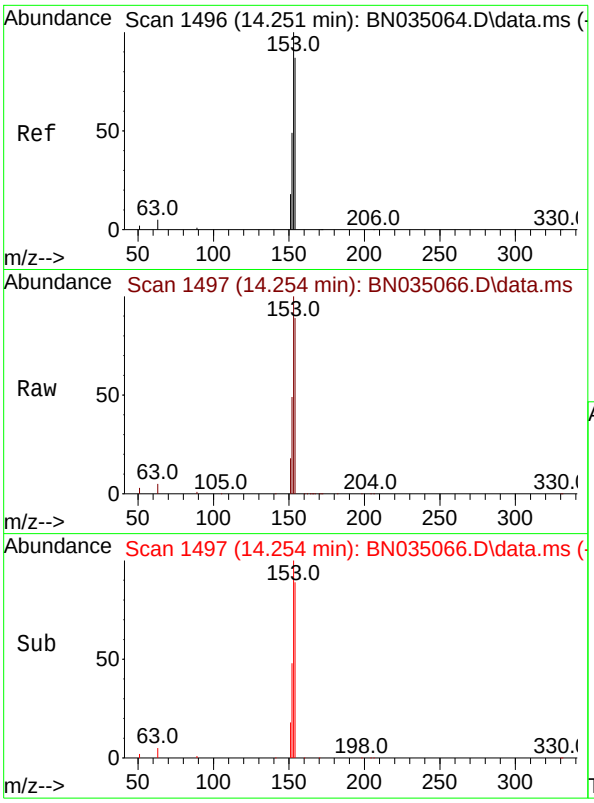


#16
Acenaphthylene
Concen: 1.661 ng
RT: 13.901 min Scan# 1464
Delta R.T. -0.007 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:152 Resp: 32064

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.8
153	13.1	10.2	15.4



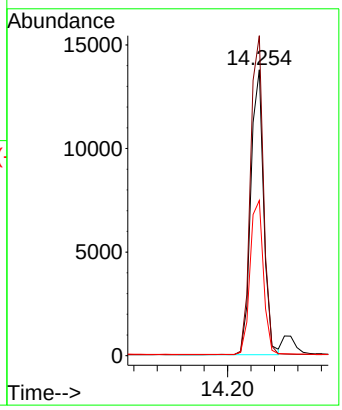


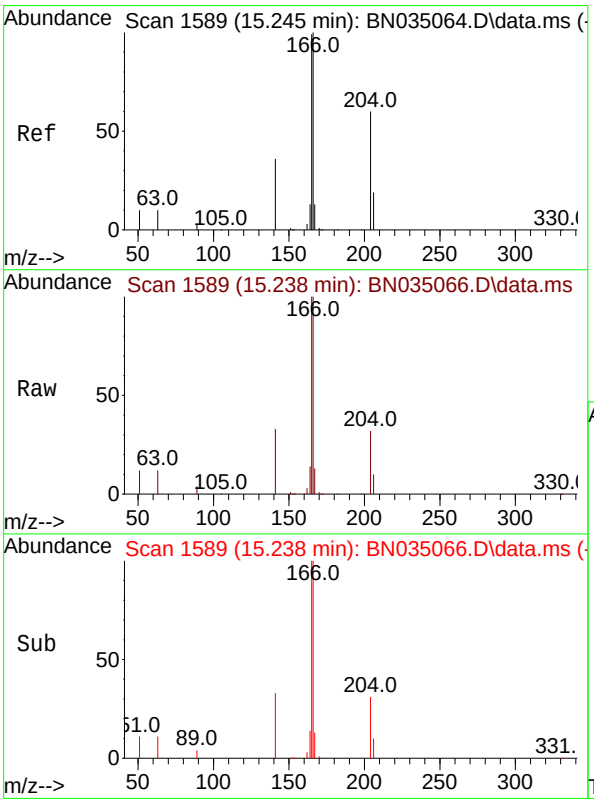
#17
Acenaphthene
Concen: 1.653 ng
RT: 14.254 min Scan# 14
Delta R.T. 0.004 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:154 Resp: 20910

Ion	Ratio	Lower	Upper
154	100		
153	113.4	91.6	137.4
152	56.5	45.8	68.6

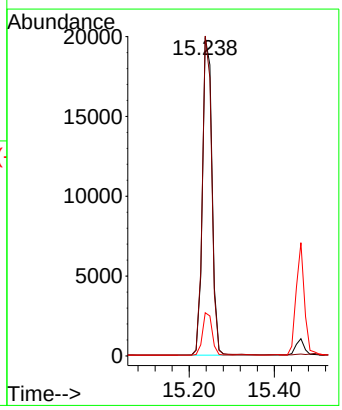


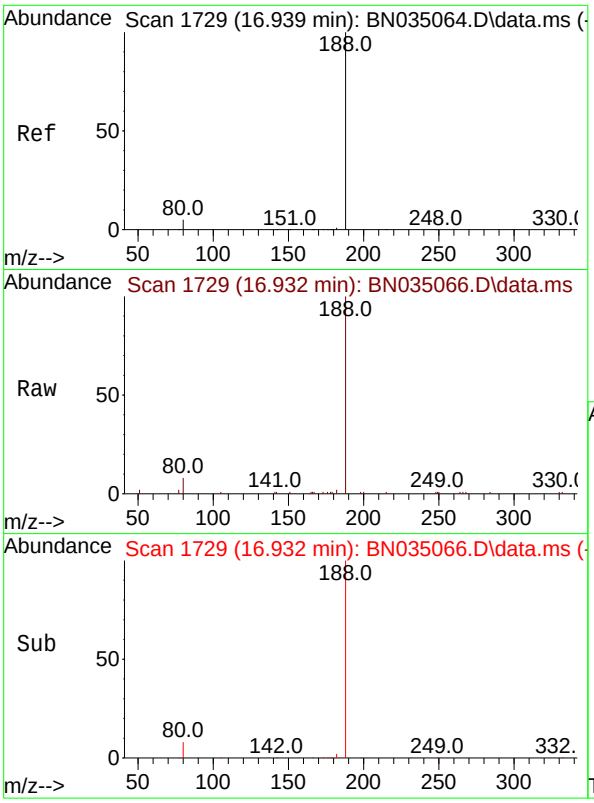


#18
Fluorene
Concen: 1.659 ng
RT: 15.238 min Scan# 1589
Delta R.T. -0.007 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:166 Resp: 30868

Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.1	118.7
167	13.4	10.6	16.0



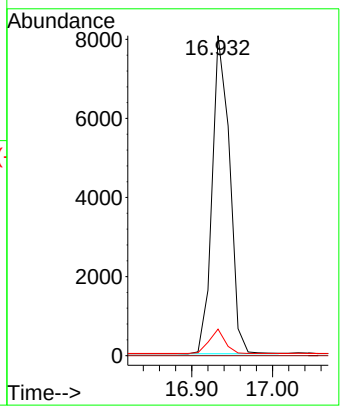


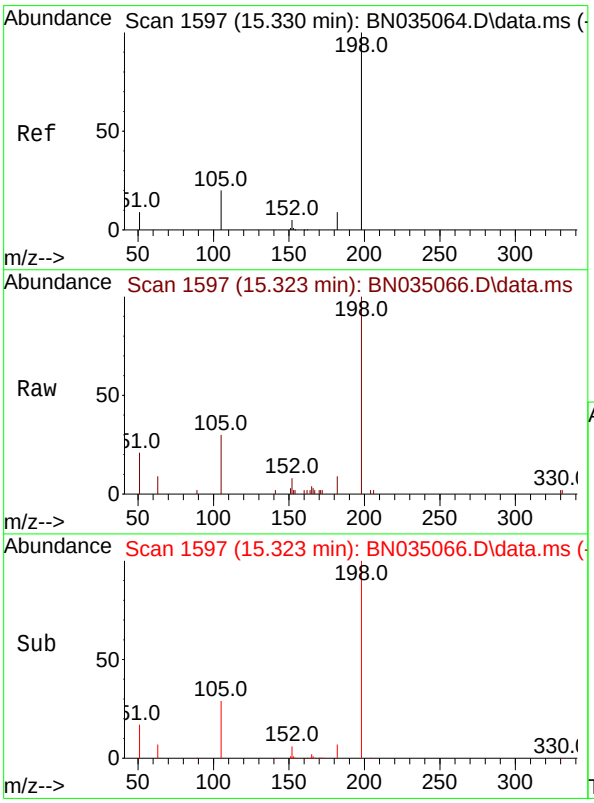
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.932 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:188 Resp: 12068

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.3	4.3	6.5#

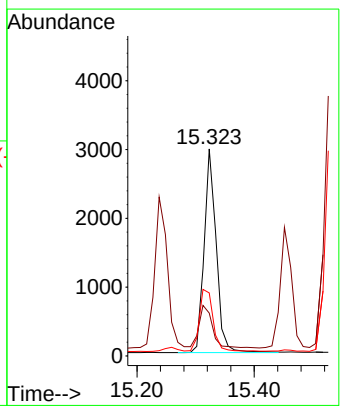


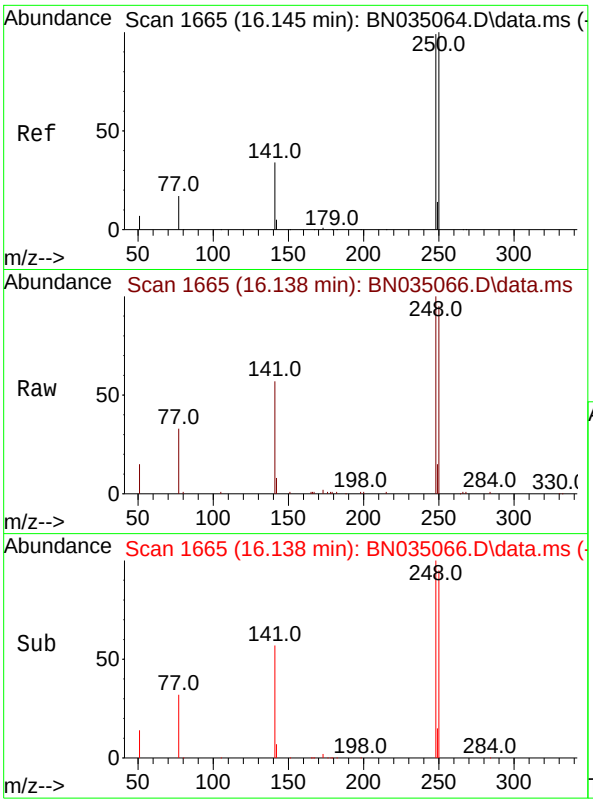


#20
4,6-Dinitro-2-methylphenol
Concen: 1.695 ng
RT: 15.323 min Scan# 1597
Delta R.T. -0.007 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:198 Resp: 4259

Ion	Ratio	Lower	Upper
198	100		
51	20.7	29.9	44.9#
105	30.5	23.7	35.5



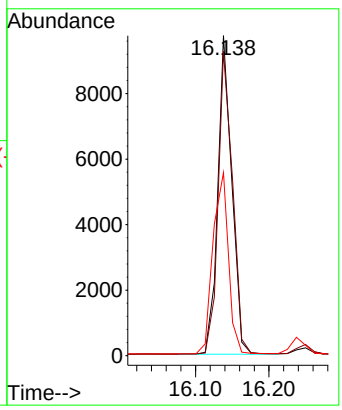


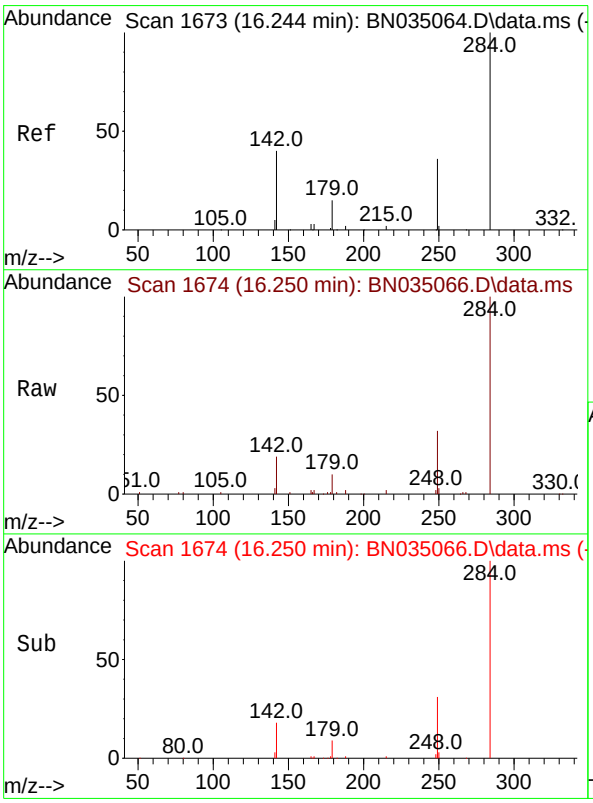
#21
4-Bromophenyl-phenylether
Concen: 1.676 ng
RT: 16.138 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:248 Resp: 12888

Ion	Ratio	Lower	Upper
248	100		
250	95.0	81.2	121.8
141	57.2	29.1	43.7#

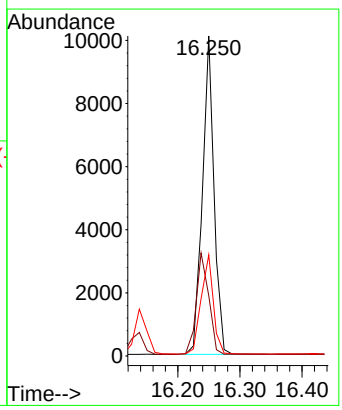


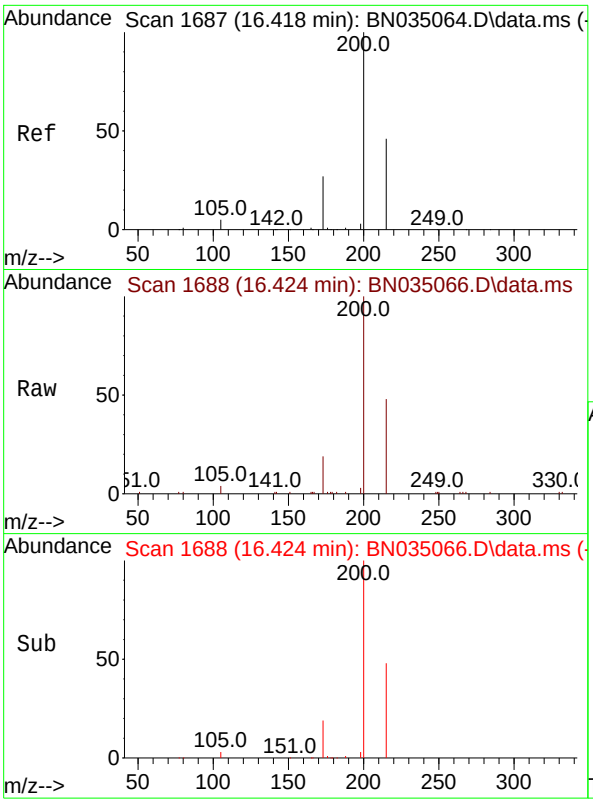


#22
Hexachlorobenzene
Concen: 1.651 ng
RT: 16.250 min Scan# 1674
Delta R.T. 0.005 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:284 Resp: 13172

Ion	Ratio	Lower	Upper
284	100		
142	34.0	28.2	42.4
249	32.5	26.2	39.2



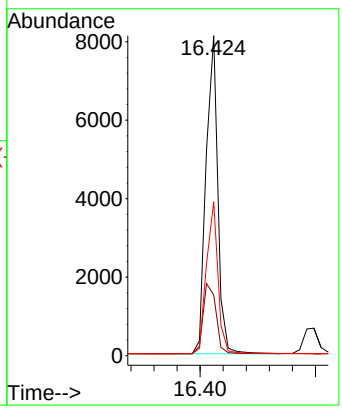


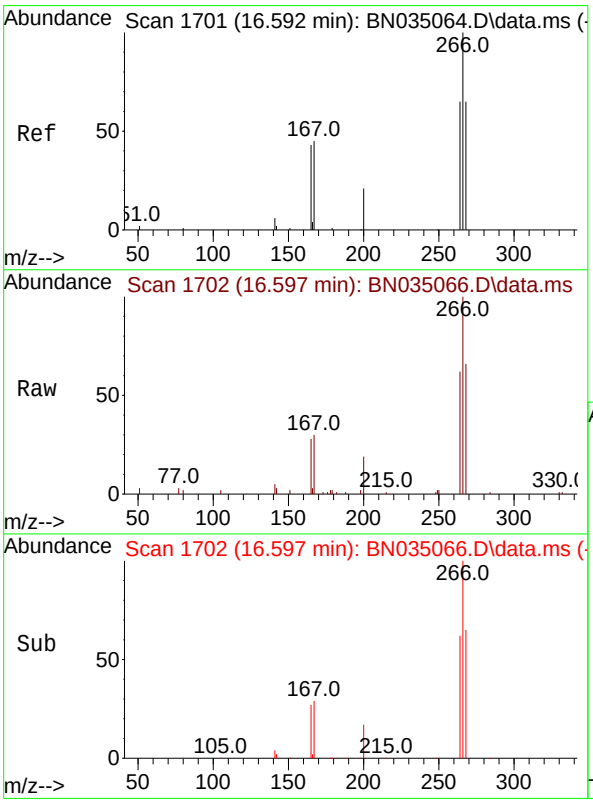
#23
Atrazine
Concen: 1.663 ng
RT: 16.424 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:200 Resp: 11471

Ion	Ratio	Lower	Upper
200	100		
173	19.0	22.6	33.8#
215	48.2	37.8	56.6

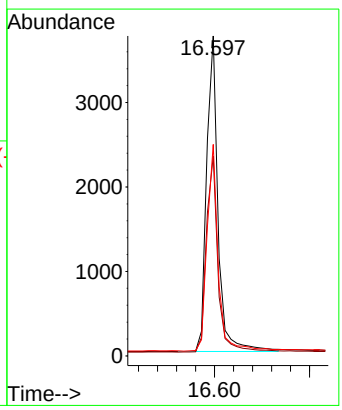


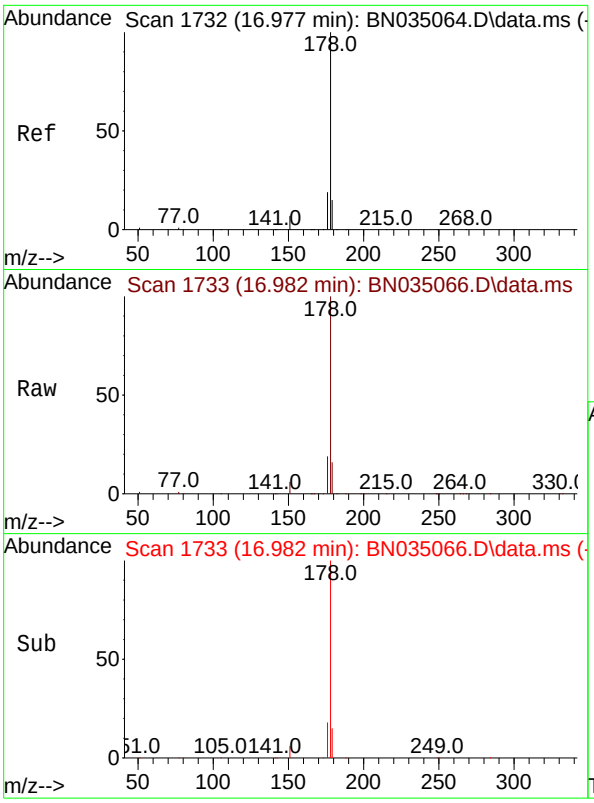


#24
Pentachlorophenol
Concen: 1.683 ng
RT: 16.597 min Scan# 1702
Delta R.T. 0.005 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:266 Resp: 6275

Ion	Ratio	Lower	Upper
266	100		
264	63.2	49.4	74.0
268	63.7	52.6	79.0



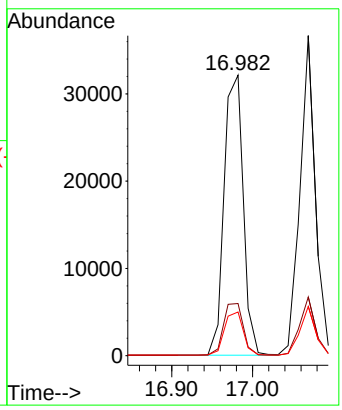


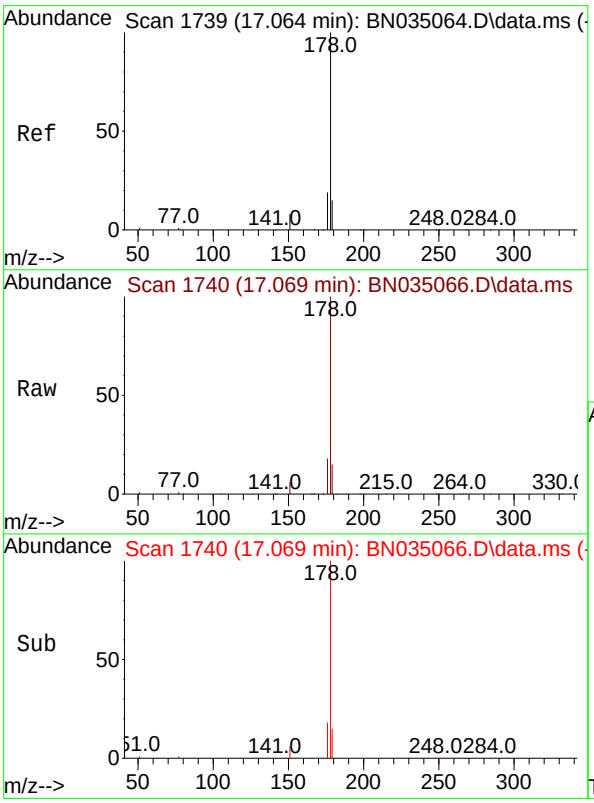
#25
Phenanthrene
Concen: 1.666 ng
RT: 16.982 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:178 Resp: 52915

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	15.3	12.6	18.8

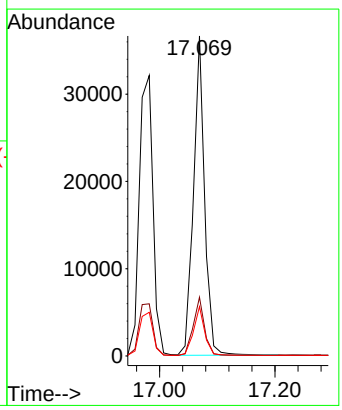


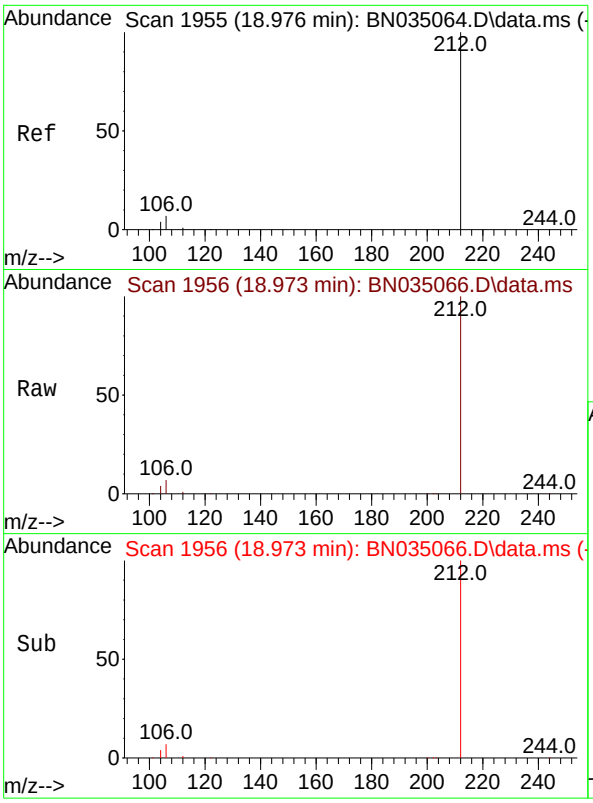


#26
Anthracene
Concen: 1.681 ng
RT: 17.069 min Scan# 1740
Delta R.T. 0.005 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:178 Resp: 49046

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	15.3	12.2	18.2



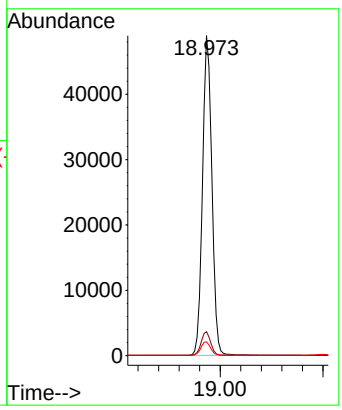


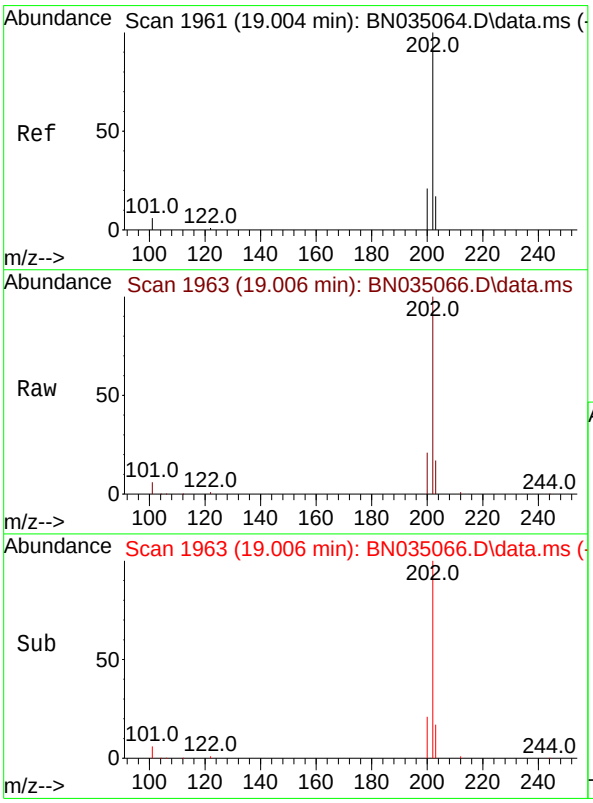
#27
Fluoranthene-d10
Concen: 1.676 ng
RT: 18.973 min Scan# 1
Delta R.T. -0.002 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:212 Resp: 61972

Ion	Ratio	Lower	Upper
212	100		
106	7.5	6.0	9.0
104	4.3	3.5	5.3

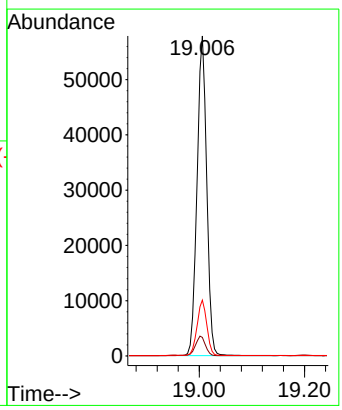


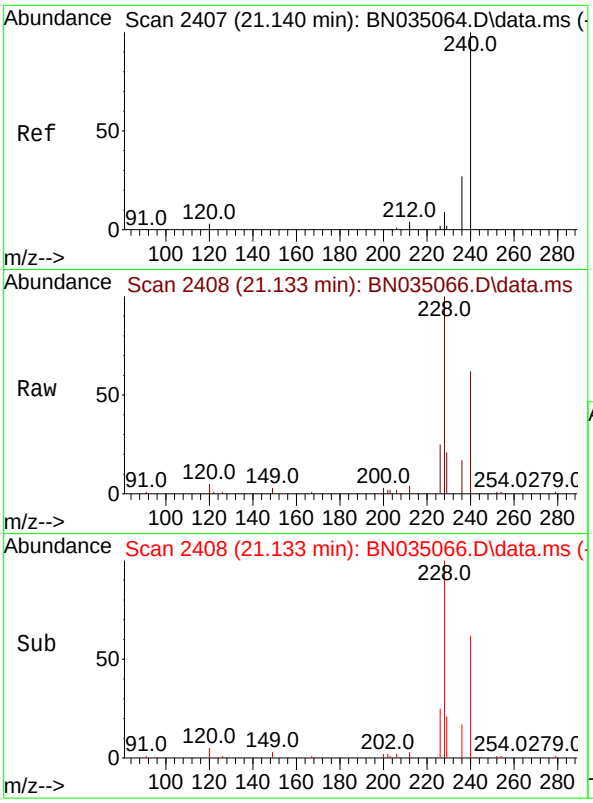


#28
Fluoranthene
Concen: 1.687 ng
RT: 19.006 min Scan# 1963
Delta R.T. 0.002 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:202 Resp: 73694

Ion	Ratio	Lower	Upper
202	100		
101	6.3	5.2	7.8
203	17.4	13.8	20.8



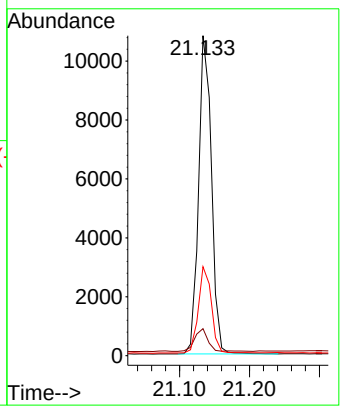


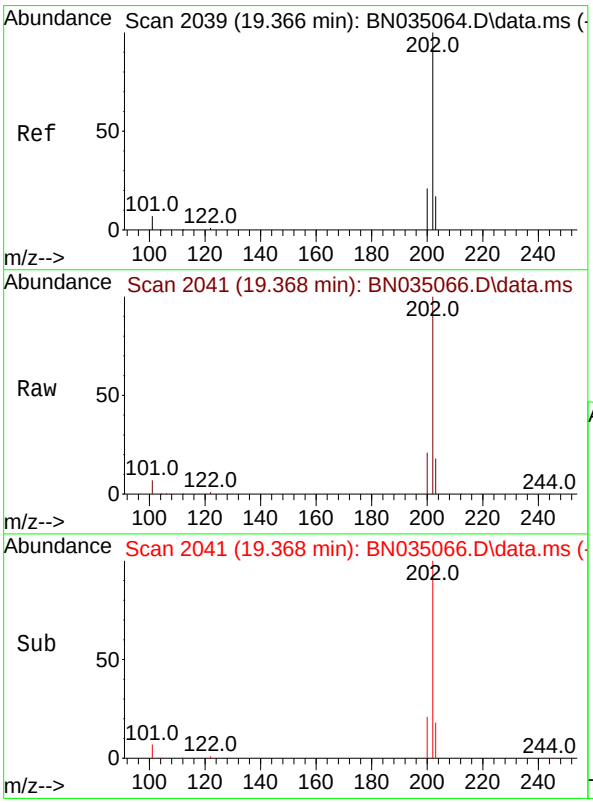
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.133 min Scan# 2
Delta R.T. -0.007 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:240 Resp: 13823

Ion	Ratio	Lower	Upper
240	100		
120	8.5	3.8	5.6#
236	27.8	22.2	33.2

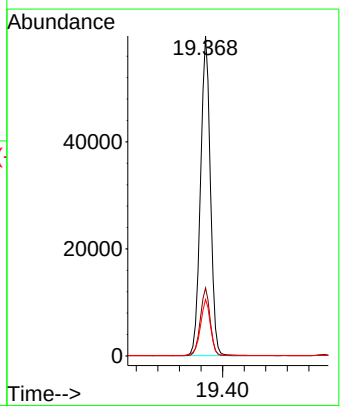


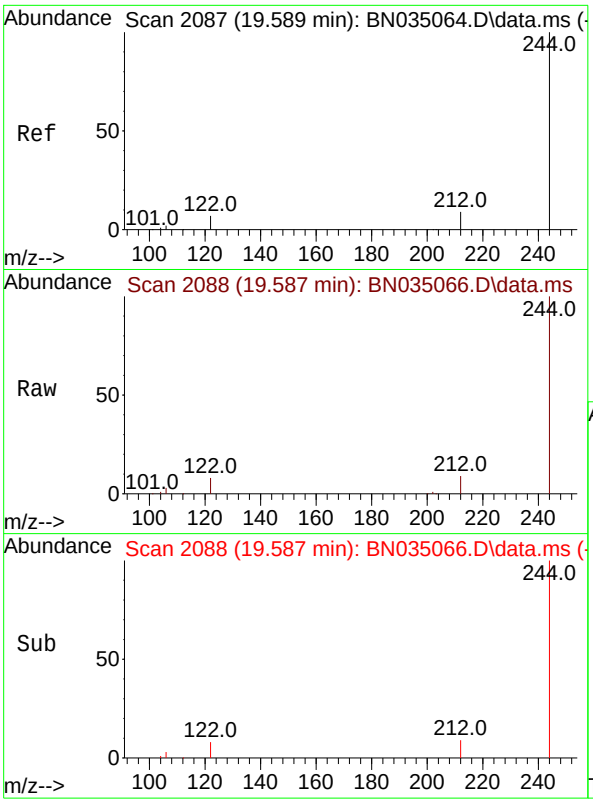


#30
Pyrene
Concen: 1.641 ng
RT: 19.368 min Scan# 2041
Delta R.T. 0.002 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:202 Resp: 75558

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.9	14.2	21.4



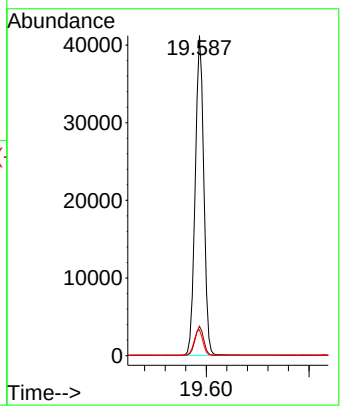


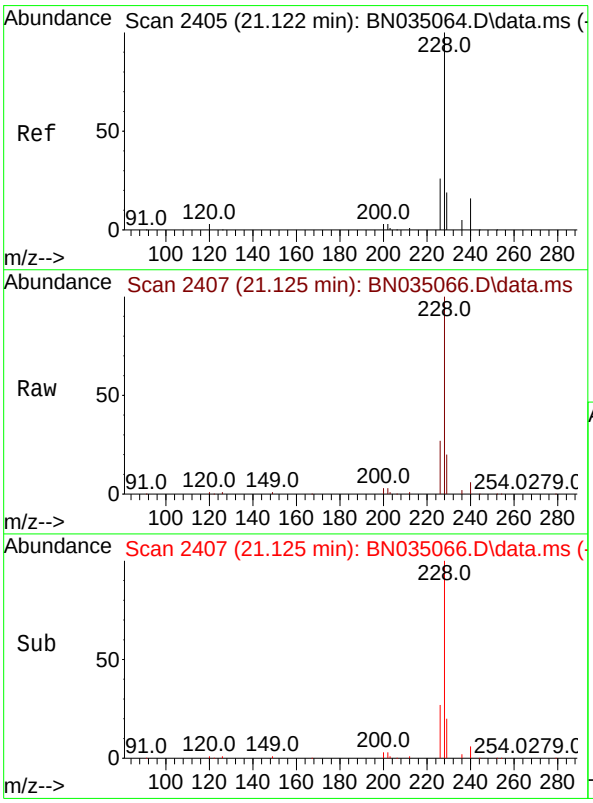
#31
Terphenyl-d14
Concen: 1.652 ng
RT: 19.587 min Scan# 2
Delta R.T. -0.002 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:244 Resp: 47914

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.6	11.4
122	8.1	6.1	9.1

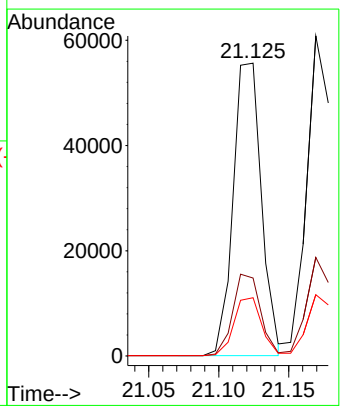


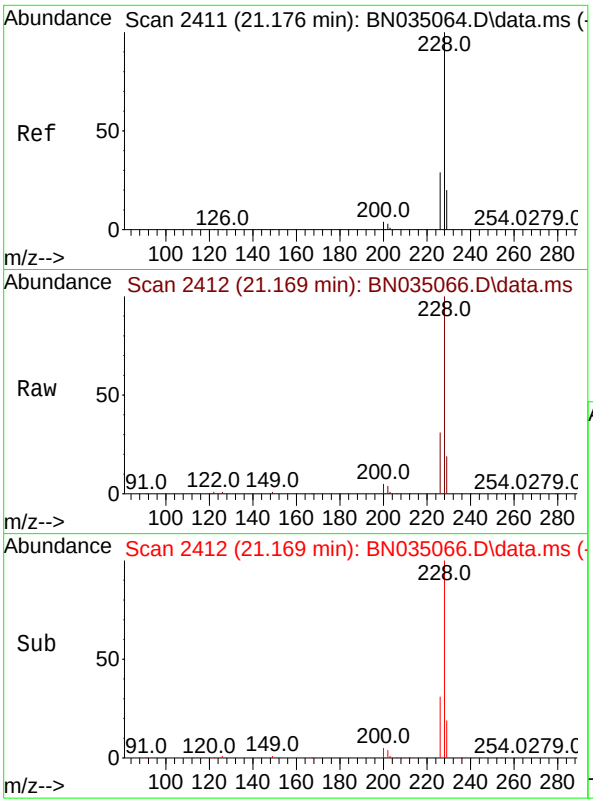


#32
Benzo(a)anthracene
Concen: 1.627 ng
RT: 21.125 min Scan# 2407
Delta R.T. 0.002 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:228 Resp: 78298

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.4	32.0
229	19.9	15.7	23.5



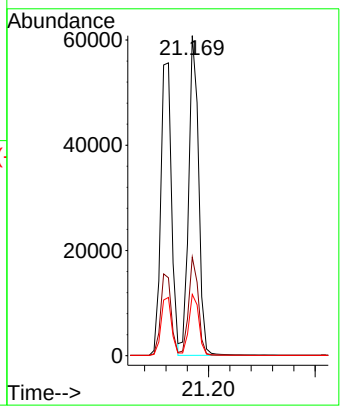


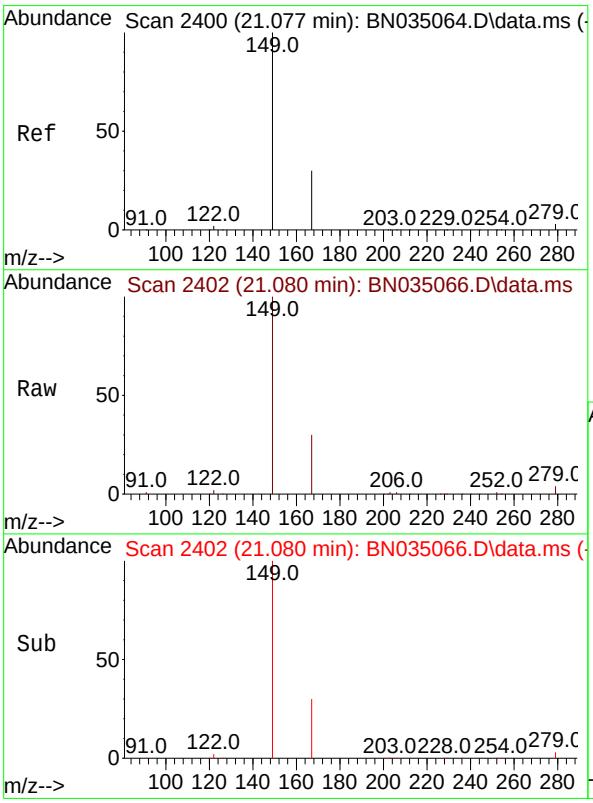
#33
Chrysene
Concen: 1.647 ng
RT: 21.169 min Scan# 24
Delta R.T. -0.007 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:228 Resp: 78533

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.7	35.5
229	19.2	16.2	24.4

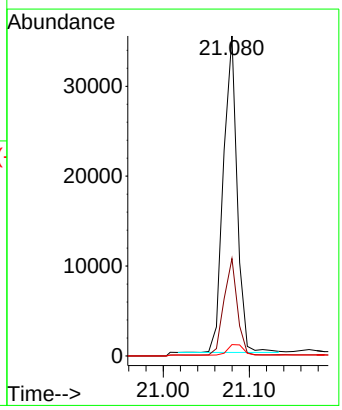


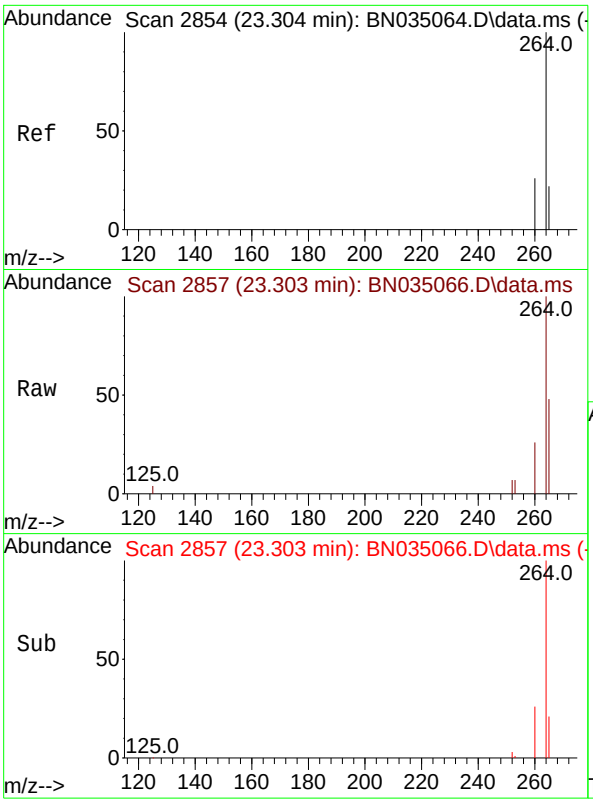


#34
Bis(2-ethylhexyl)phthalate
Concen: 1.549 ng
RT: 21.080 min Scan# 2402
Delta R.T. 0.002 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:149 Resp: 38807

Ion	Ratio	Lower	Upper
149	100		
167	29.5	23.2	34.8
279	3.9	3.2	4.8



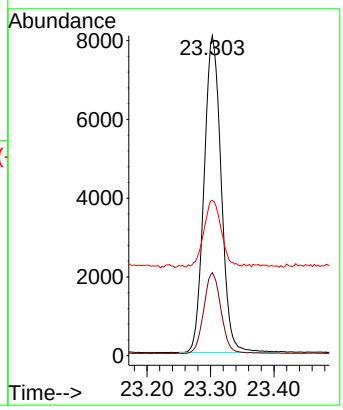


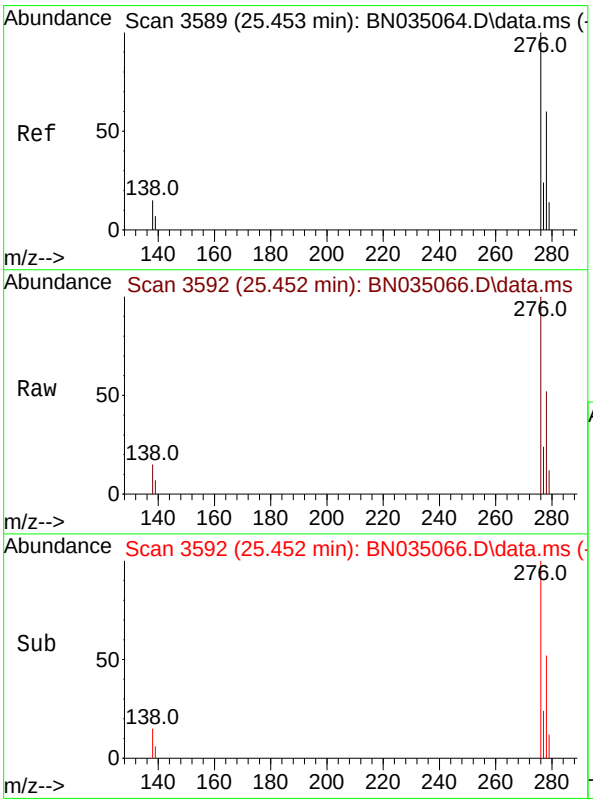
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.303 min Scan# 2
Delta R.T. -0.001 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:264 Resp: 15060

Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.9	31.3
265	48.5	35.4	53.2

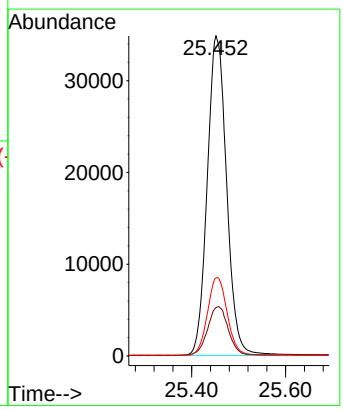


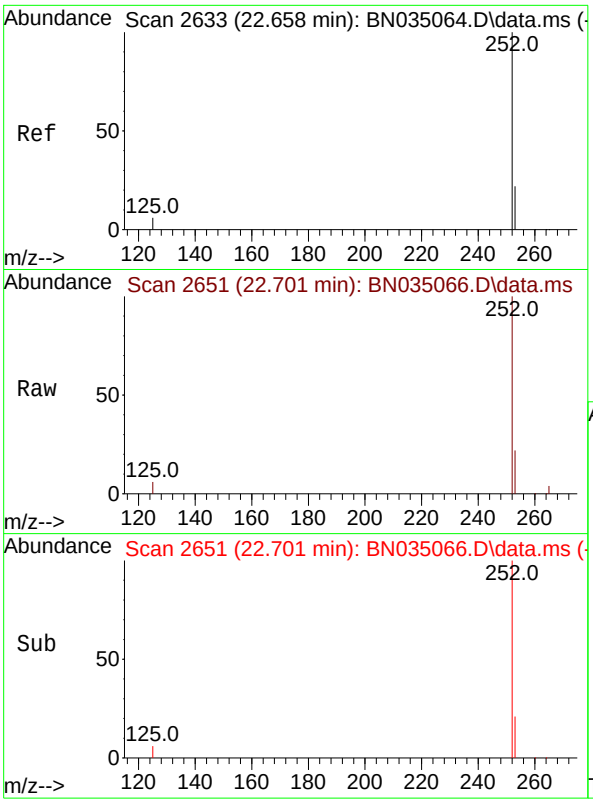


#36
Indeno(1,2,3-cd)pyrene
Concen: 1.663 ng
RT: 25.452 min Scan# 3592
Delta R.T. -0.001 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:276 Resp: 99936

Ion	Ratio	Lower	Upper
276	100		
138	16.1	13.0	19.4
277	24.8	19.8	29.6



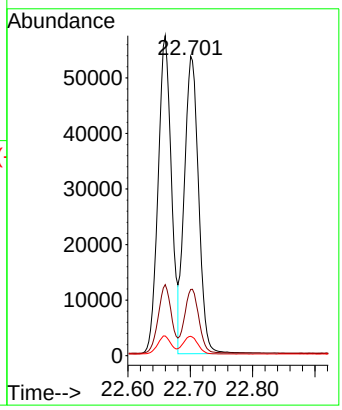


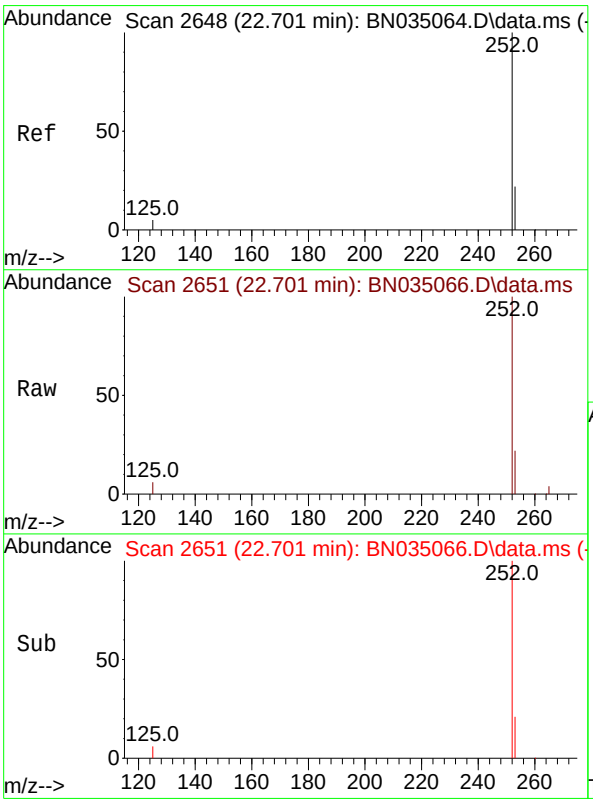
#37
Benzo(b)fluoranthene
Concen: 1.677 ng
RT: 22.701 min Scan# 2
Delta R.T. 0.043 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 84960

Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.3	28.9
125	6.5	6.2	9.2

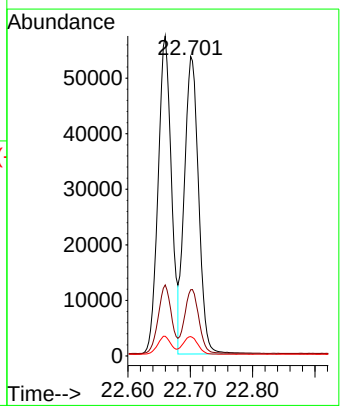


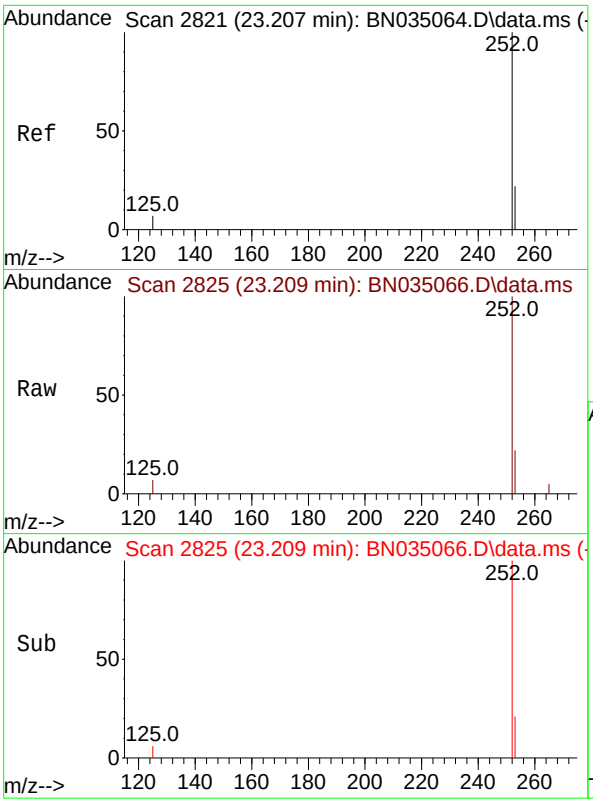


#38
Benzo(k)fluoranthene
Concen: 1.676 ng
RT: 22.701 min Scan# 2651
Delta R.T. -0.001 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:252 Resp: 84960

Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.5	29.3
125	6.5	6.5	9.7#



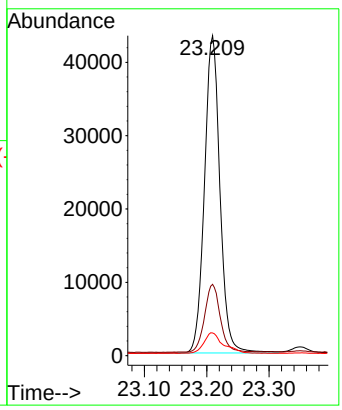


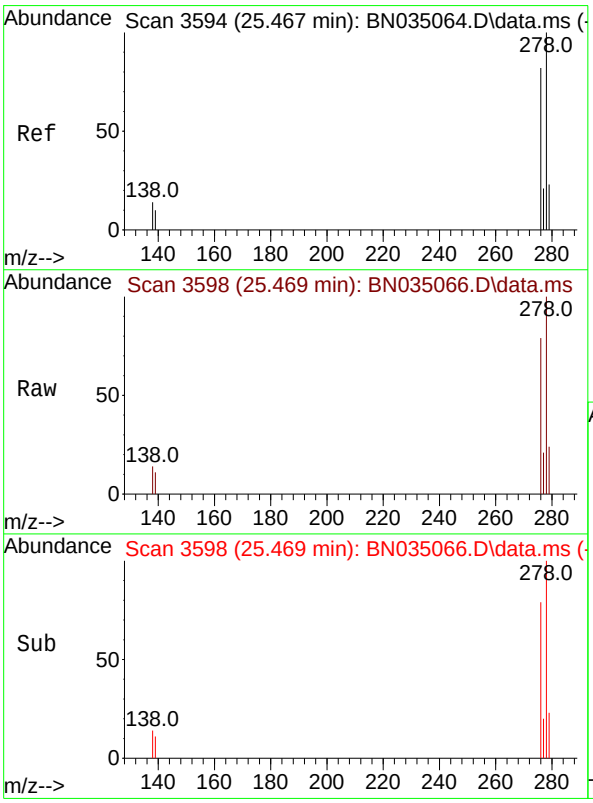
#39
Benzo(a)pyrene
Concen: 1.675 ng
RT: 23.209 min Scan# 2
Delta R.T. 0.002 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 74668

Ion	Ratio	Lower	Upper
252	100		
253	22.3	20.1	30.1
125	7.1	7.5	11.3#

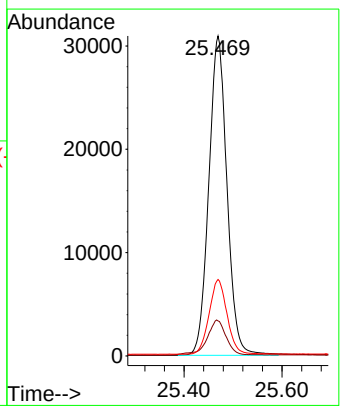


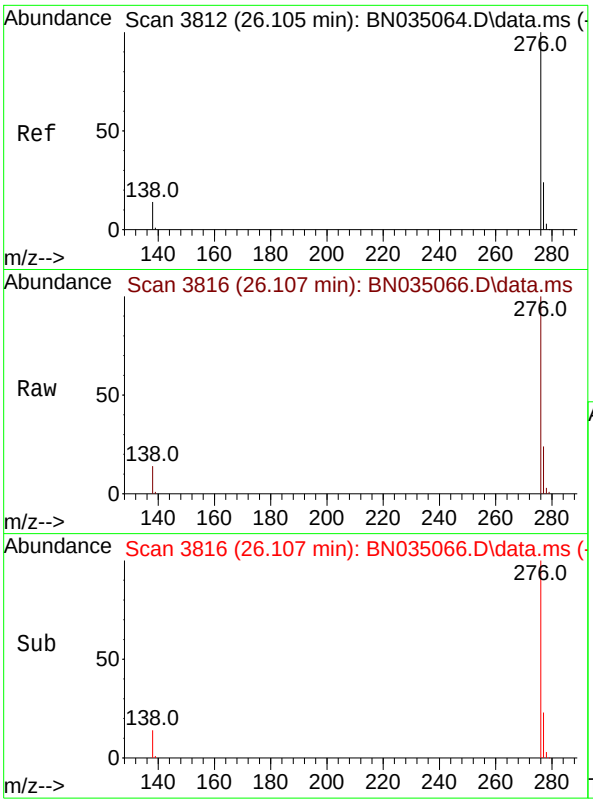


#40
Dibenzo(a,h)anthracene
Concen: 1.673 ng
RT: 25.469 min Scan# 3598
Delta R.T. 0.002 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Tgt Ion:278 Resp: 79628

Ion	Ratio	Lower	Upper
278	100		
139	10.9	9.3	13.9
279	23.9	19.7	29.5



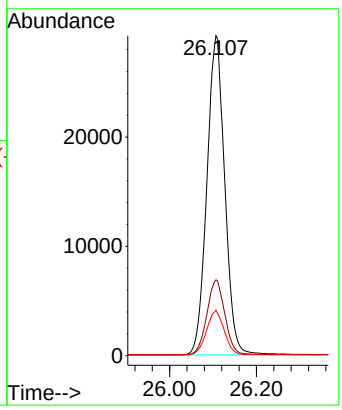


#41
Benzo(g,h,i)perylene
Concen: 1.649 ng
RT: 26.107 min Scan# 3
Delta R.T. 0.002 min
Lab File: BN035066.D
Acq: 13 Nov 2024 15:04

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 83498

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.9	29.9
138	14.2	11.6	17.4



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035067.D
Acq On : 13 Nov 2024 15:39
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Nov 13 16:45:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 16:42:01 2024
Response via : Initial Calibration

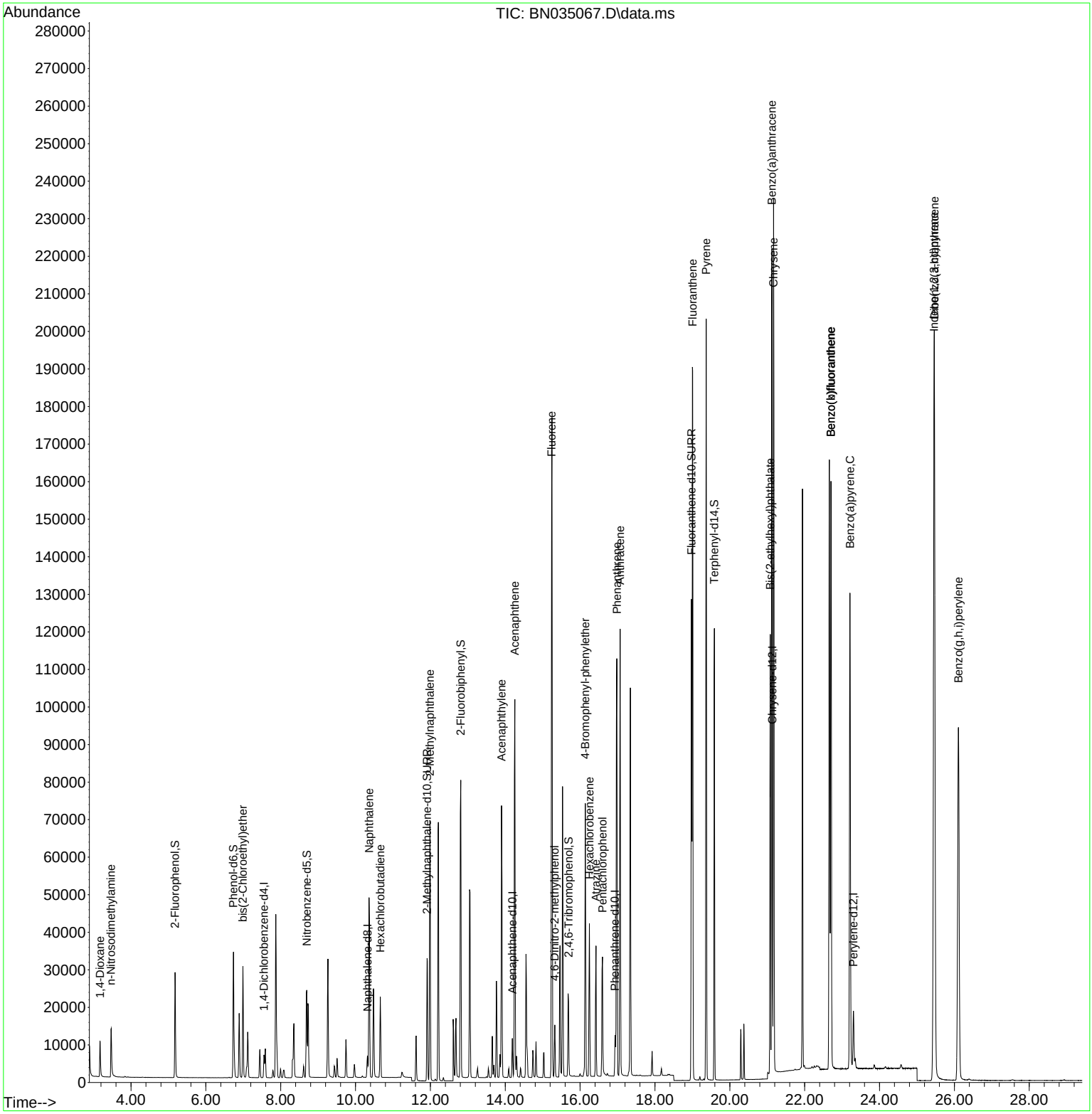
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.553	152	2920	0.400	ng		0.00
7) Naphthalene-d8	10.319	136	7487	0.400	ng		0.00
13) Acenaphthene-d10	14.190	164	5593	0.400	ng		0.00
19) Phenanthrene-d10	16.932	188	14864	0.400	ng	#	0.00
29) Chrysene-d12	21.133	240	17096	0.400	ng	#	0.00
35) Perylene-d12	23.303	264	18582	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	22571	3.045	ng		0.00
5) Phenol-d6	6.737	99	29328	3.155	ng		0.00
8) Nitrobenzene-d5	8.696	82	20578	3.167	ng		0.00
11) 2-Methylnaphthalene-d10	11.912	152	42128	3.157	ng		0.00
14) 2,4,6-Tribromophenol	15.691	330	13778	3.417	ng		0.00
15) 2-Fluorobiphenyl	12.811	172	71543	3.150	ng		0.00
27) Fluoranthene-d10	18.973	212	145321	3.191	ng		0.00
31) Terphenyl-d14	19.587	244	111732	3.115	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.177	88	8131	3.066	ng		99
3) n-Nitrosodimethylamine	3.465	42	7509	3.049	ng	#	93
6) bis(2-Chloroethyl)ether	6.990	93	21619	3.099	ng		99
9) Naphthalene	10.362	128	60468	3.093	ng		98
10) Hexachlorobutadiene	10.660	225	17300	3.019	ng	#	99
12) 2-Methylnaphthalene	11.988	142	45806	3.176	ng		98
16) Acenaphthylene	13.901	152	78553	3.286	ng		99
17) Acenaphthene	14.254	154	50542	3.227	ng		98
18) Fluorene	15.238	166	74092	3.215	ng		99
20) 4,6-Dinitro-2-methylph...	15.323	198	11328	3.661	ng	#	83
21) 4-Bromophenyl-phenylether	16.138	248	30013	3.169	ng	#	85
22) Hexachlorobenzene	16.250	284	30635	3.117	ng		99
23) Atrazine	16.424	200	26567	3.127	ng	#	93
24) Pentachlorophenol	16.597	266	16789	3.656	ng		98
25) Phenanthrene	16.982	178	123000	3.144	ng		99
26) Anthracene	17.069	178	117301	3.265	ng		100
28) Fluoranthene	19.006	202	172759	3.212	ng		100
30) Pyrene	19.368	202	177937	3.125	ng		100
32) Benzo(a)anthracene	21.125	228	185345	3.114	ng		99
33) Chrysene	21.169	228	182053	3.087	ng		98
34) Bis(2-ethylhexyl)phtha...	21.080	149	94826	3.061	ng		99
36) Indeno(1,2,3-cd)pyrene	25.455	276	230419	3.108	ng		100
37) Benzo(b)fluoranthene	22.701	252	196686	3.146	ng		95
38) Benzo(k)fluoranthene	22.701	252	196686	3.144	ng	#	95
39) Benzo(a)pyrene	23.209	252	173547	3.155	ng	#	93
40) Dibenzo(a,h)anthracene	25.466	278	183641	3.127	ng		98
41) Benzo(g,h,i)perylene	26.107	276	192341	3.079	ng		98

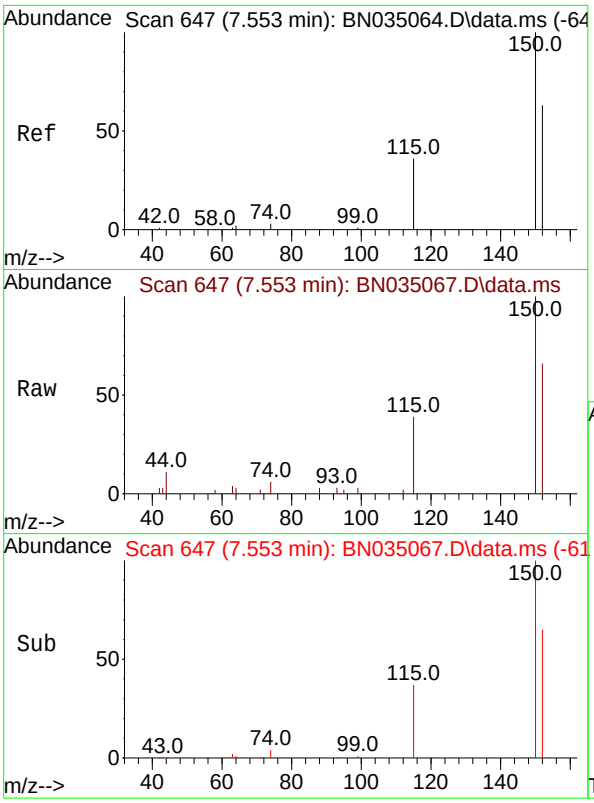
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035067.D
Acq On : 13 Nov 2024 15:39
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Nov 13 16:45:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 16:42:01 2024
Response via : Initial Calibration



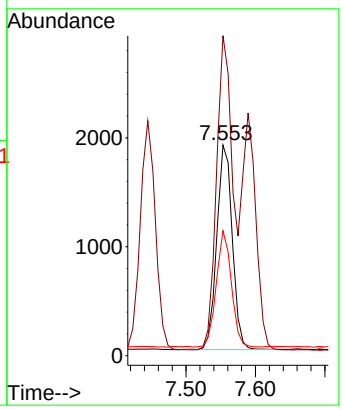


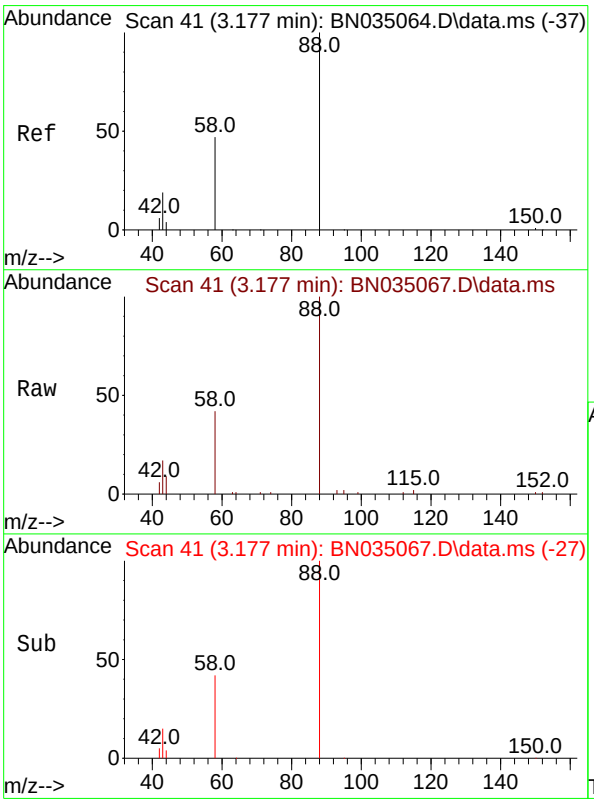
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.553 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 2920

Ion	Ratio	Lower	Upper
152	100		
150	152.0	124.5	186.7
115	59.4	47.8	71.6

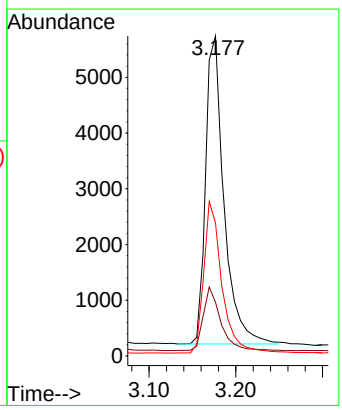


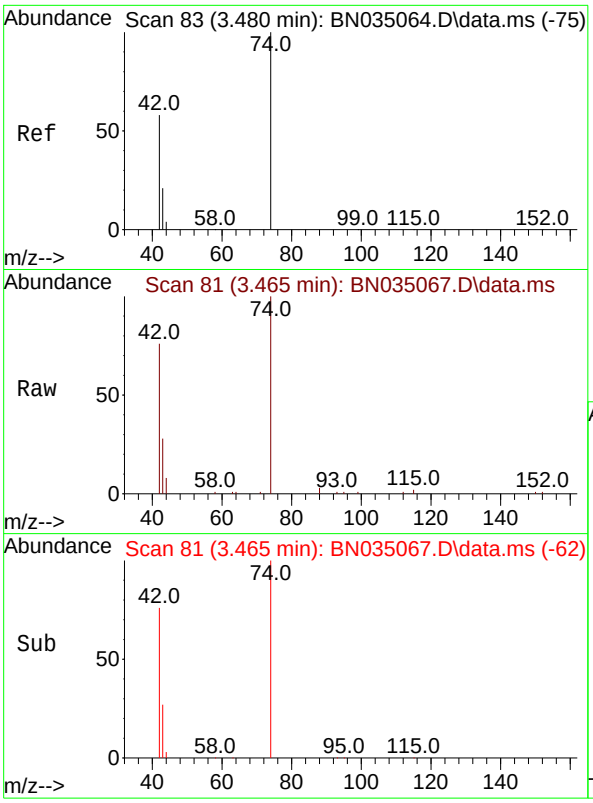


#2
1,4-Dioxane
Concen: 3.066 ng
RT: 3.177 min Scan# 41
Delta R.T. -0.000 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion: 88 Resp: 8131

Ion	Ratio	Lower	Upper
88	100		
43	19.5	16.9	25.3
58	48.4	39.0	58.4



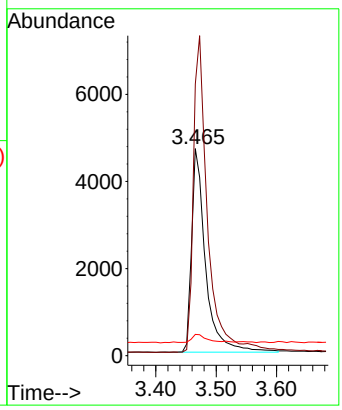


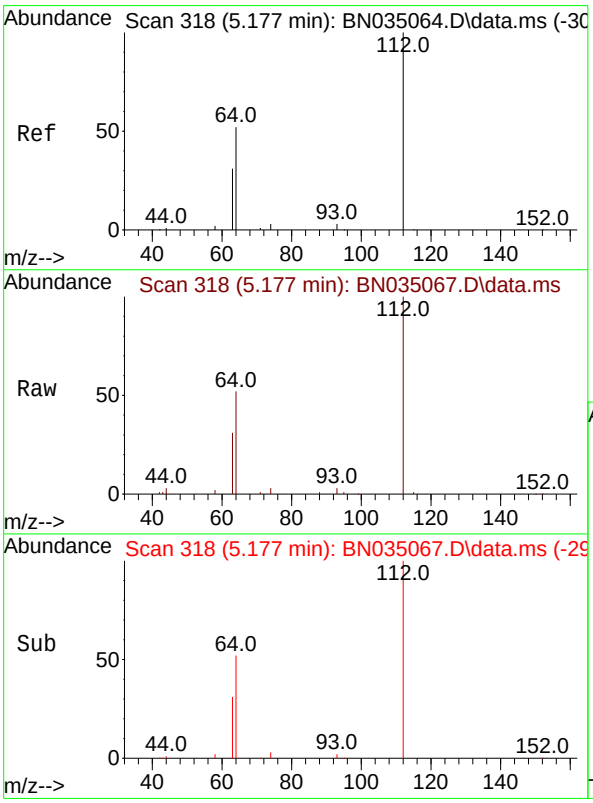
#3
n-Nitrosodimethylamine
Concen: 3.049 ng
RT: 3.465 min Scan# 81
Delta R.T. -0.015 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 7509

Ion	Ratio	Lower	Upper
42	100		
74	159.4	120.8	181.2
44	4.7	2.9	4.3#

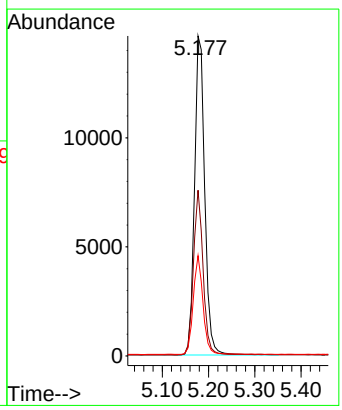


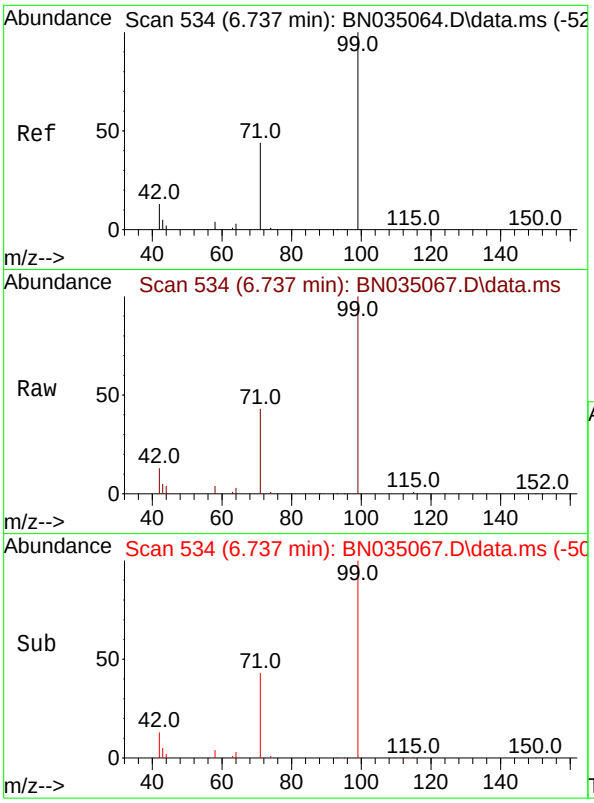


#4
2-Fluorophenol
Concen: 3.045 ng
RT: 5.177 min Scan# 318
Delta R.T. -0.000 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:112 Resp: 22571

Ion	Ratio	Lower	Upper
112	100		
64	48.8	39.7	59.5
63	29.4	23.0	34.4



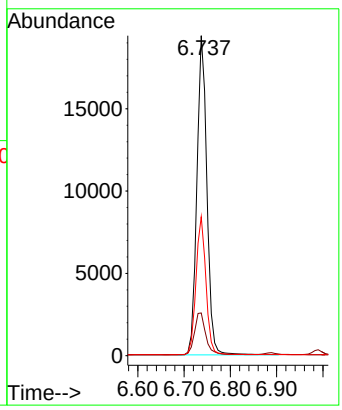


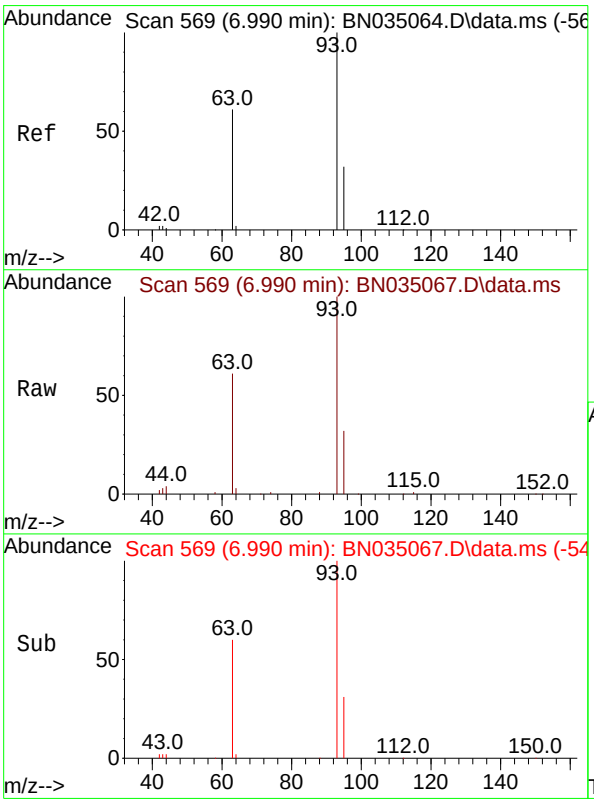
#5
Phenol-d6
Concen: 3.155 ng
RT: 6.737 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 29328

Ion	Ratio	Lower	Upper
99	100		
42	14.5	11.4	17.0
71	43.0	34.6	51.8

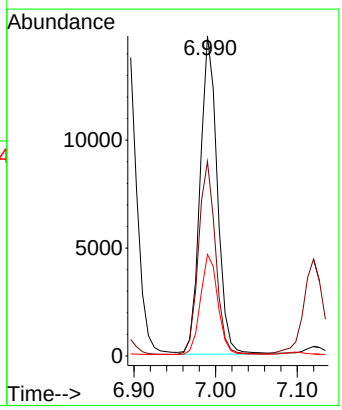


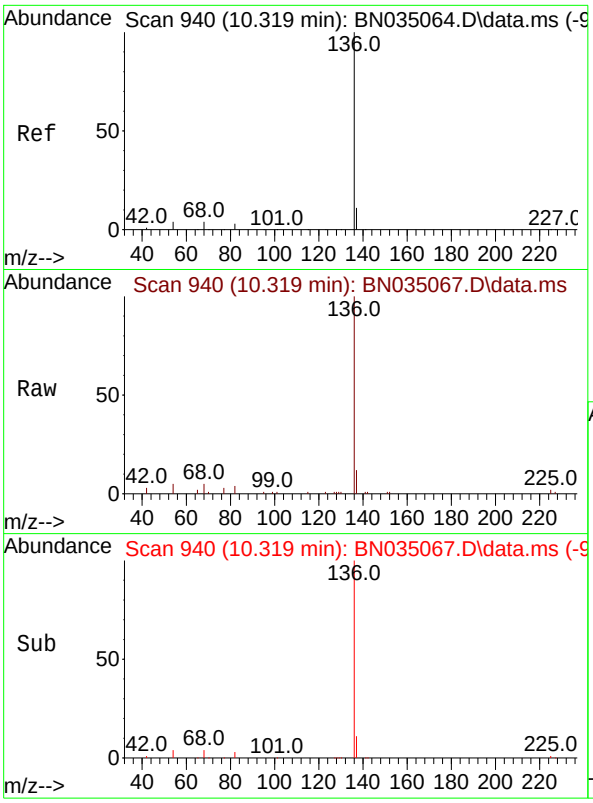


#6
bis(2-Chloroethyl)ether
Concen: 3.099 ng
RT: 6.990 min Scan# 569
Delta R.T. -0.000 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion: 93 Resp: 21619

Ion	Ratio	Lower	Upper
93	100		
63	60.2	47.4	71.2
95	31.9	26.2	39.4



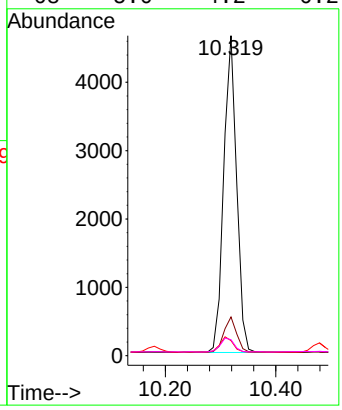


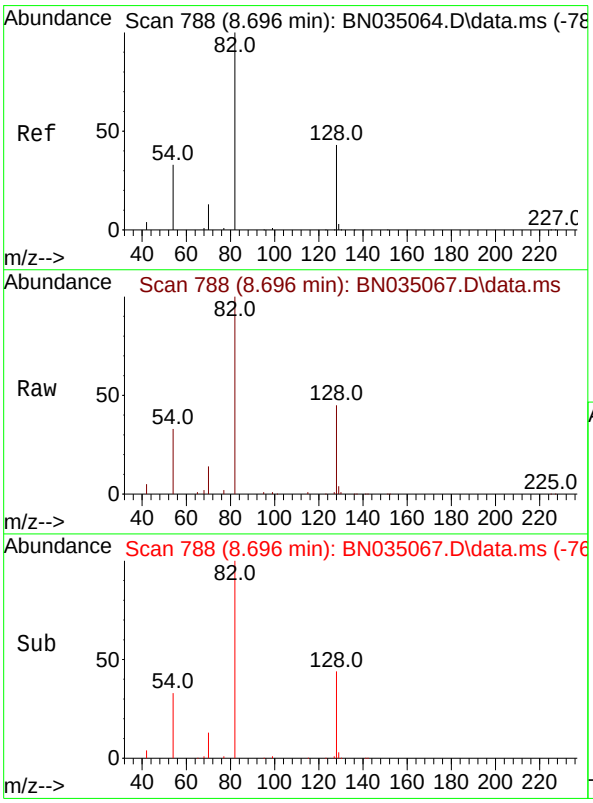
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.319 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 7487

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.8	14.8
54	4.7	4.0	6.0
68	5.0	4.2	6.2

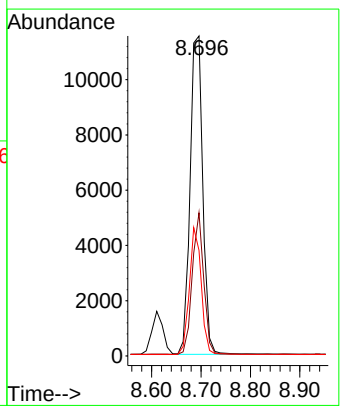


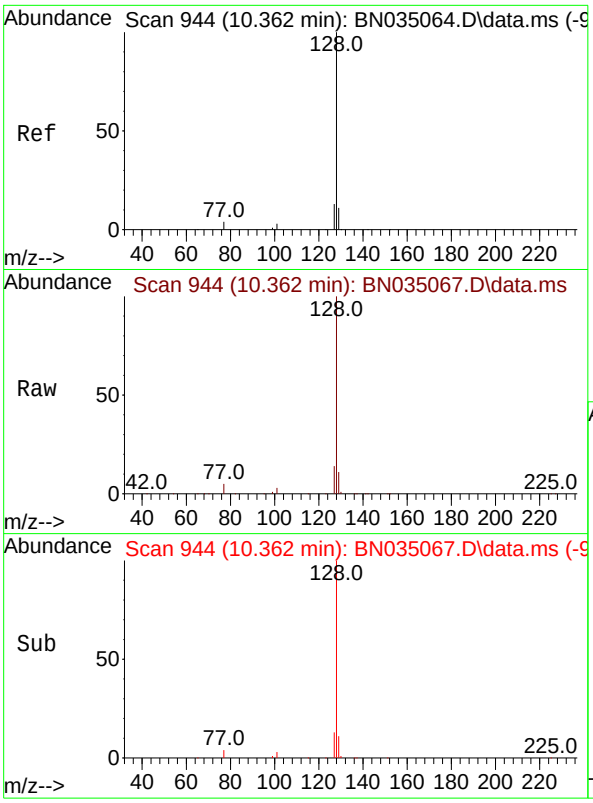


#8
Nitrobenzene-d5
Concen: 3.167 ng
RT: 8.696 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion: 82 Resp: 20578

Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.5	54.7
54	33.0	28.7	43.1



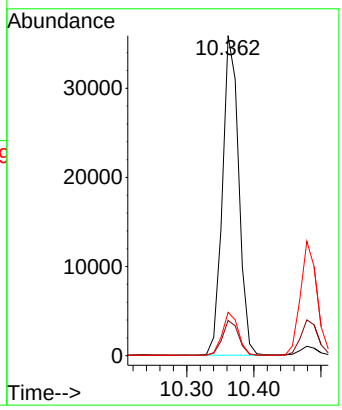


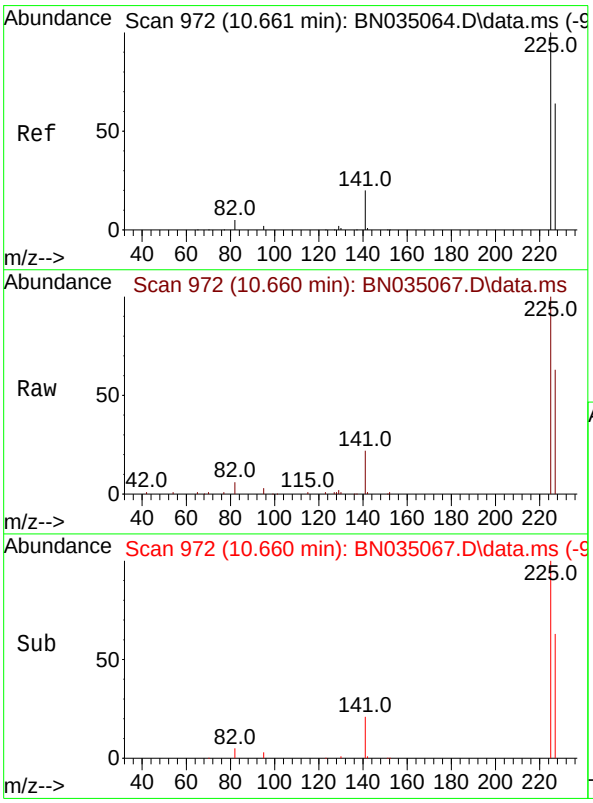
#9
Naphthalene
Concen: 3.093 ng
RT: 10.362 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 60468

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.6	14.4
127	13.6	11.6	17.4

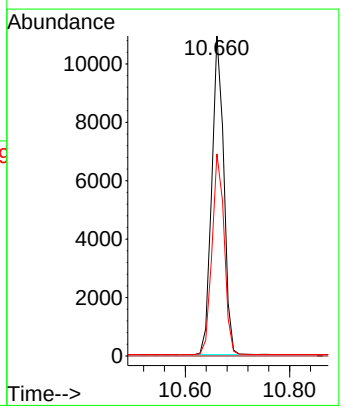


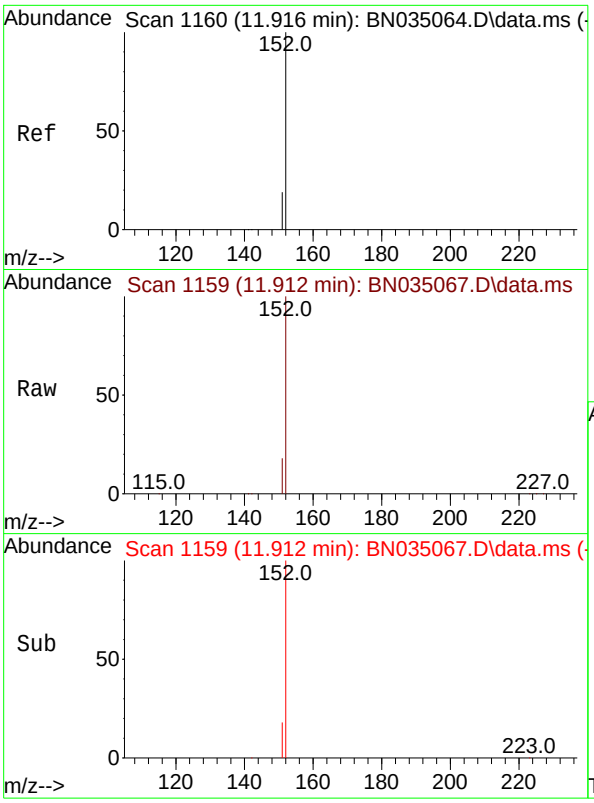


#10
Hexachlorobutadiene
Concen: 3.019 ng
RT: 10.660 min Scan# 972
Delta R.T. -0.000 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:225 Resp: 17300

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.5	77.3



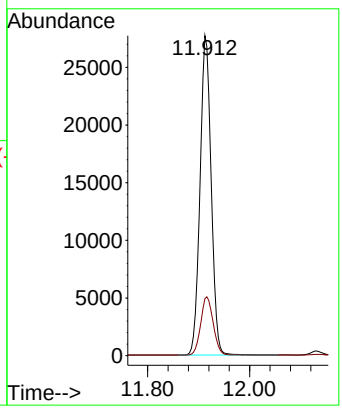


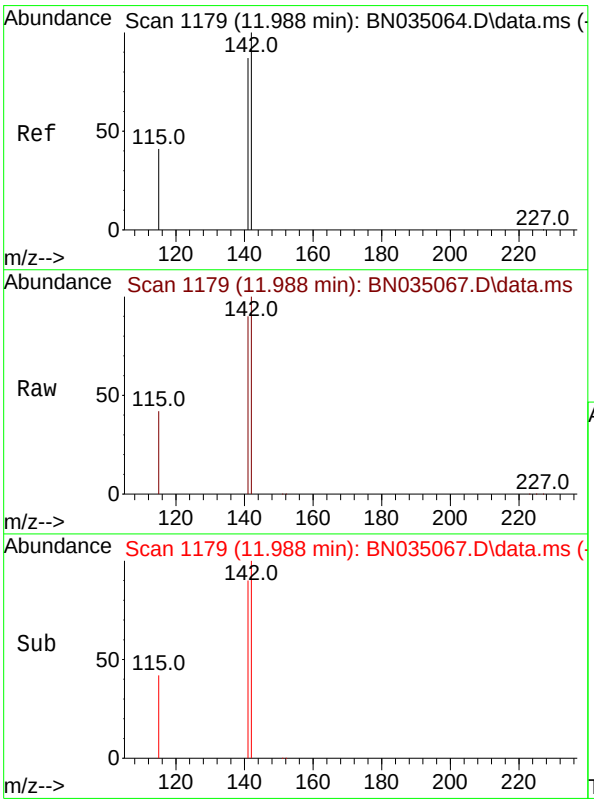
#11
2-Methylnaphthalene-d10
Concen: 3.157 ng
RT: 11.912 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 42128

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.4

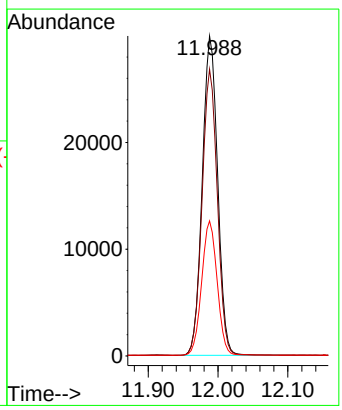


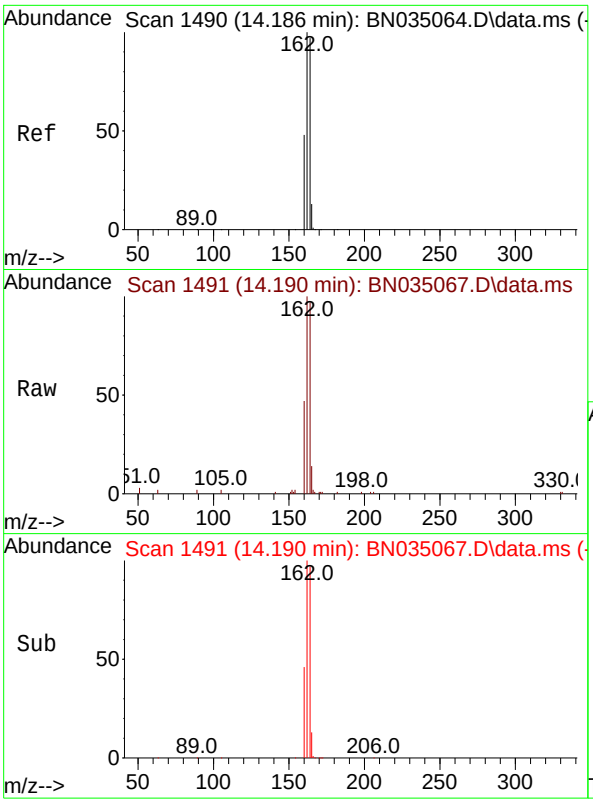


#12
2-Methylnaphthalene
Concen: 3.176 ng
RT: 11.988 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:142 Resp: 45806

Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.1	105.1
115	42.2	34.4	51.6



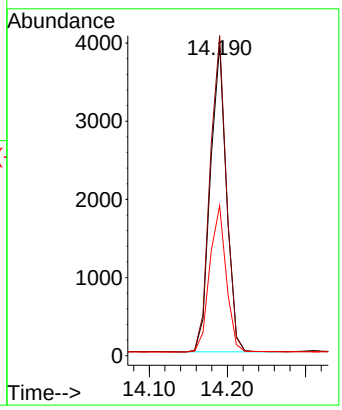


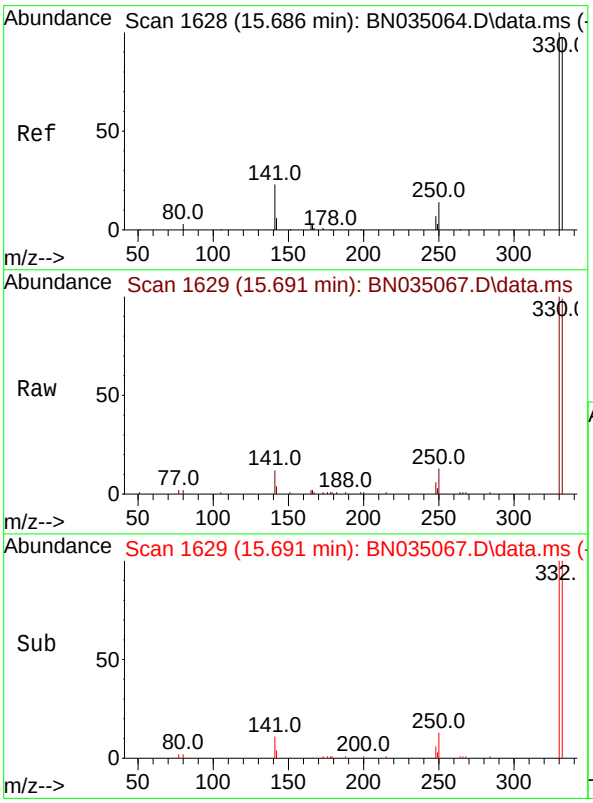
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.190 min Scan# 14
Delta R.T. 0.004 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 5593

Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.2	123.2
160	48.2	40.2	60.4

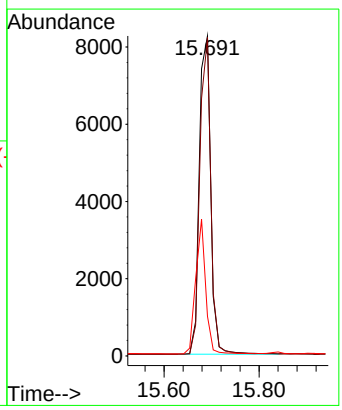


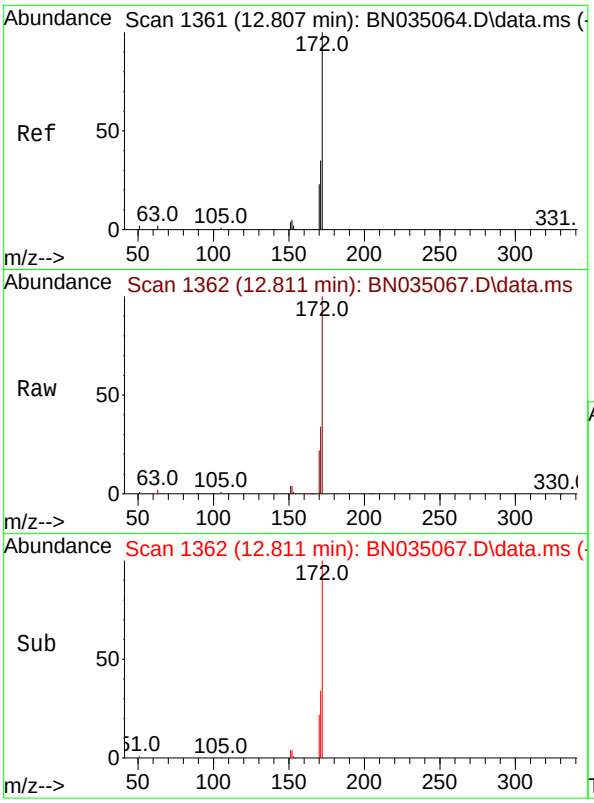


#14
2,4,6-Tribromophenol
Concen: 3.417 ng
RT: 15.691 min Scan# 1629
Delta R.T. 0.005 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:330 Resp: 13778

Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.9	115.3
141	36.6	29.6	44.4



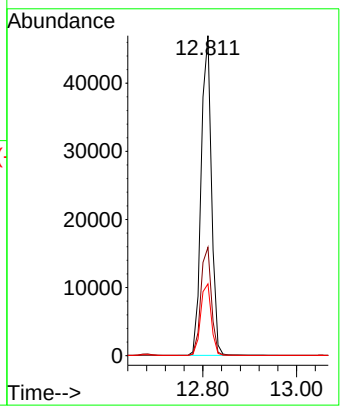


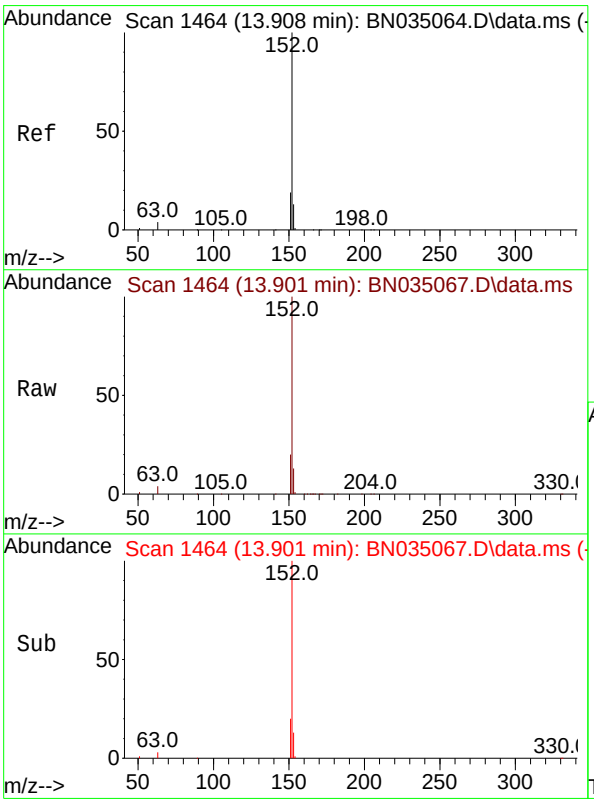
#15
2-Fluorobiphenyl
Concen: 3.150 ng
RT: 12.811 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 71543

Ion	Ratio	Lower	Upper
172	100		
171	33.9	28.2	42.4
170	22.5	19.0	28.6

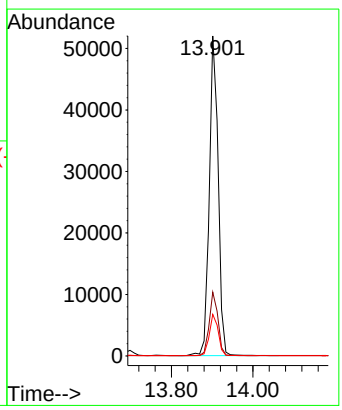


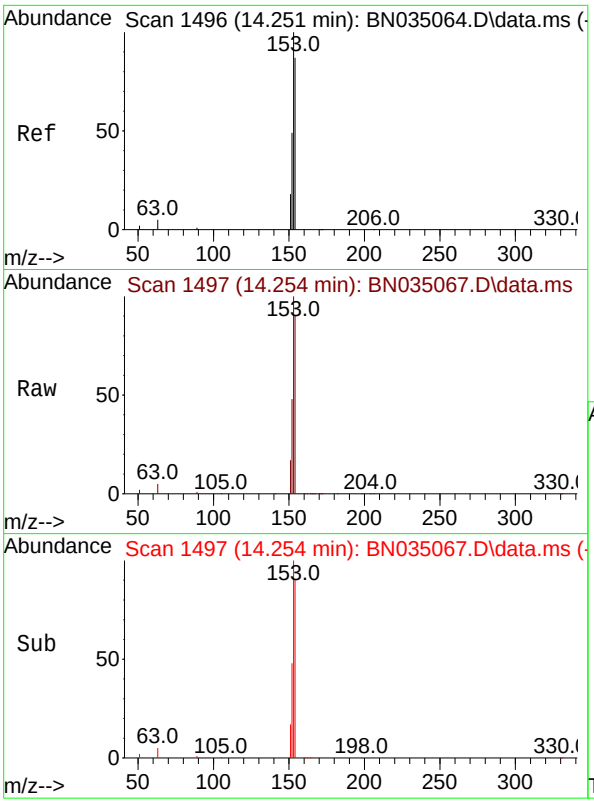


#16
Acenaphthylene
Concen: 3.286 ng
RT: 13.901 min Scan# 1464
Delta R.T. -0.007 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:152 Resp: 78553

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.8
153	13.0	10.2	15.4



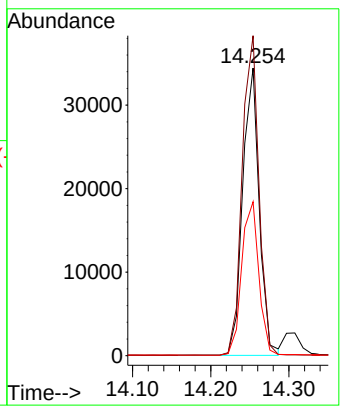


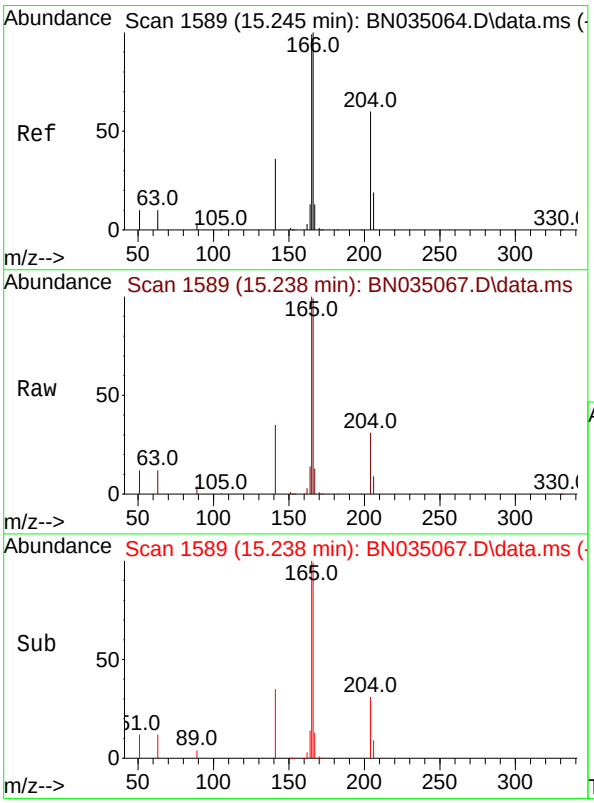
#17
Acenaphthene
Concen: 3.227 ng
RT: 14.254 min Scan# 14
Delta R.T. 0.004 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 50542

Ion	Ratio	Lower	Upper
154	100		
153	112.9	91.6	137.4
152	55.6	45.8	68.6

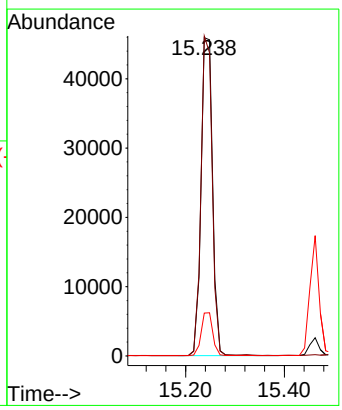


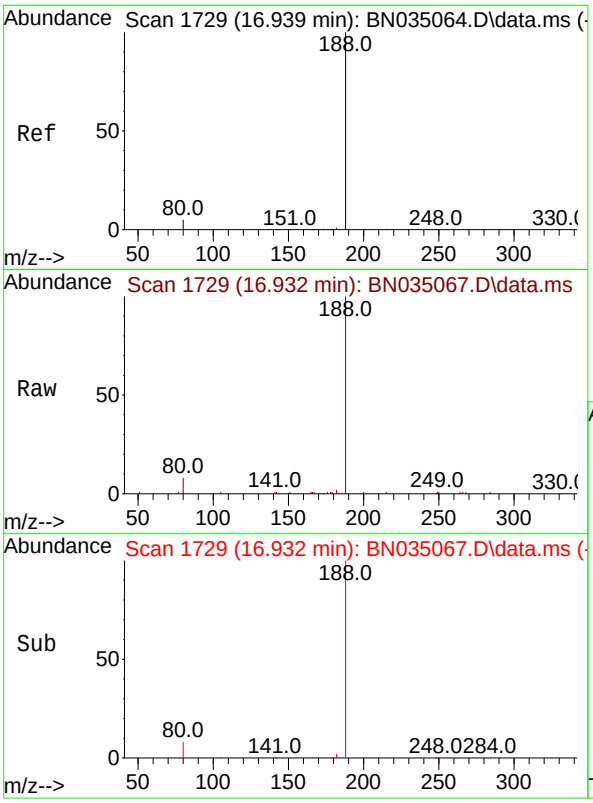


#18
Fluorene
Concen: 3.215 ng
RT: 15.238 min Scan# 1589
Delta R.T. -0.007 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:166 Resp: 74092

Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.1	118.7
167	13.5	10.6	16.0



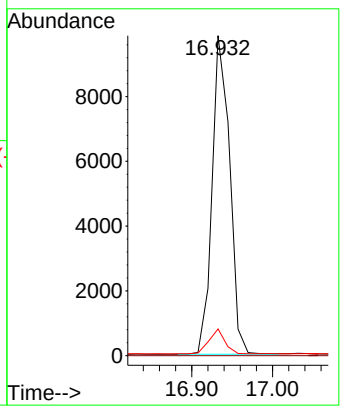


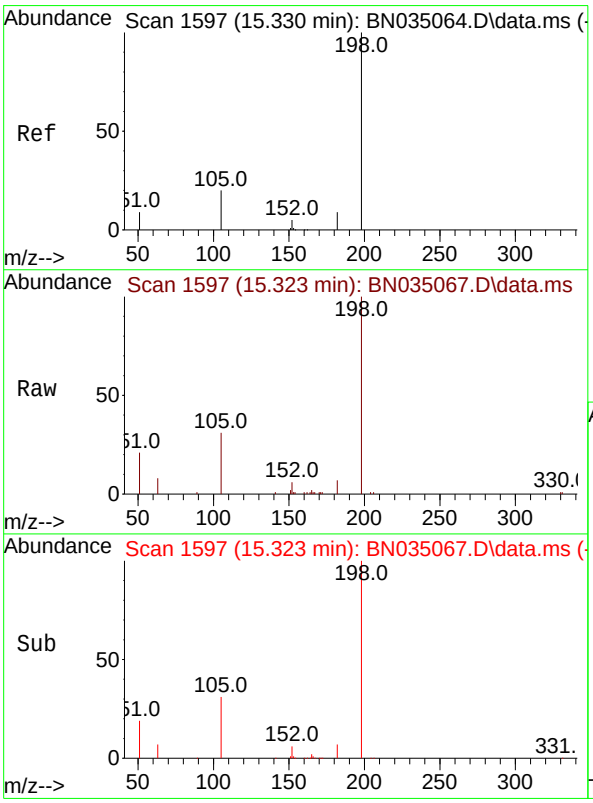
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.932 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 14864

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.3	4.3	6.5#

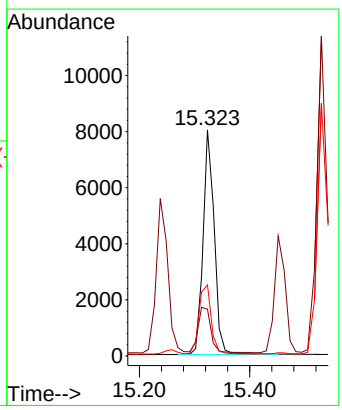


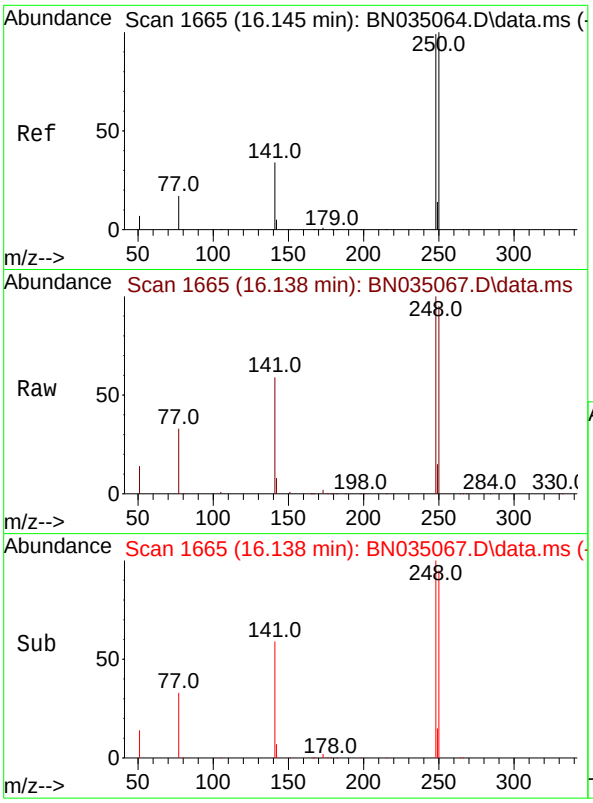


#20
4,6-Dinitro-2-methylphenol
Concen: 3.661 ng
RT: 15.323 min Scan# 1597
Delta R.T. -0.007 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:198 Resp: 11328

Ion	Ratio	Lower	Upper
198	100		
51	20.6	29.9	44.9#
105	31.4	23.7	35.5



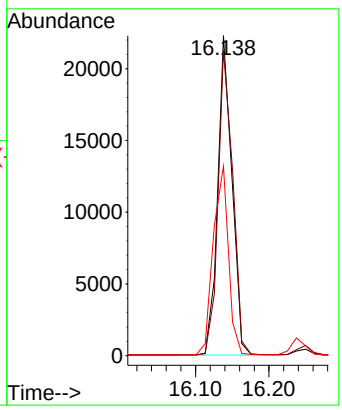


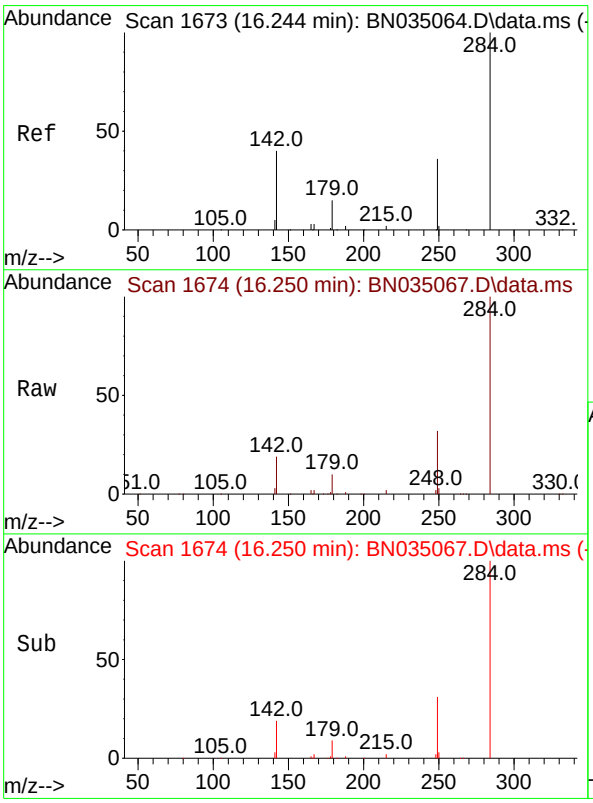
#21
4-Bromophenyl-phenylether
Concen: 3.169 ng
RT: 16.138 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:248 Resp: 30013

Ion	Ratio	Lower	Upper
248	100		
250	95.4	81.2	121.8
141	59.2	29.1	43.7#

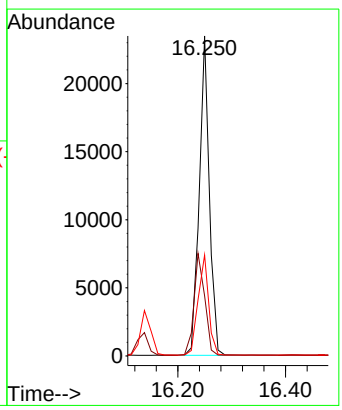


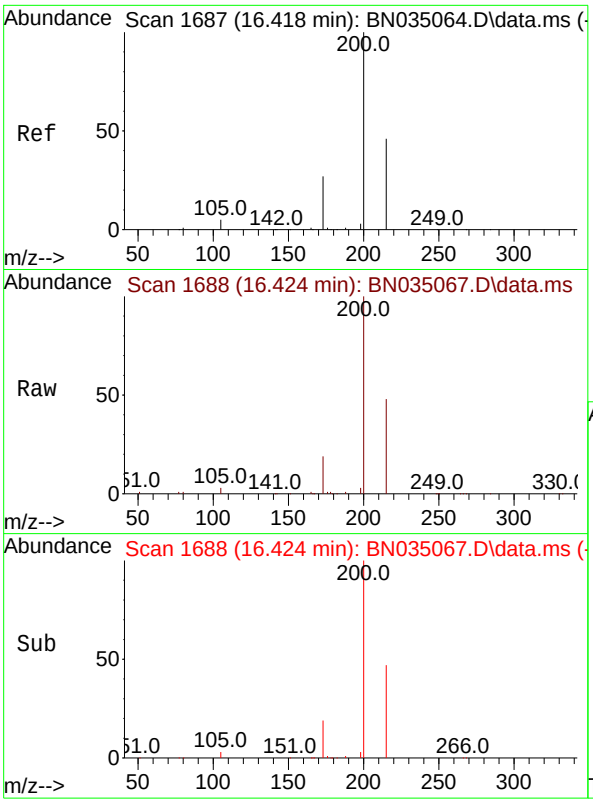


#22
Hexachlorobenzene
Concen: 3.117 ng
RT: 16.250 min Scan# 1674
Delta R.T. 0.005 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:284 Resp: 30635

Ion	Ratio	Lower	Upper
284	100		
142	33.9	28.2	42.4
249	32.8	26.2	39.2



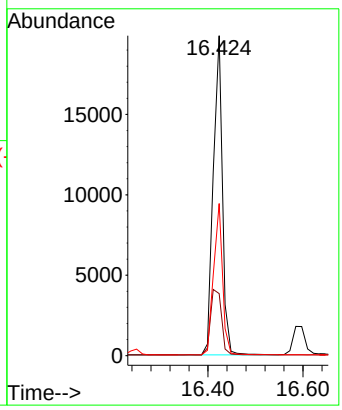


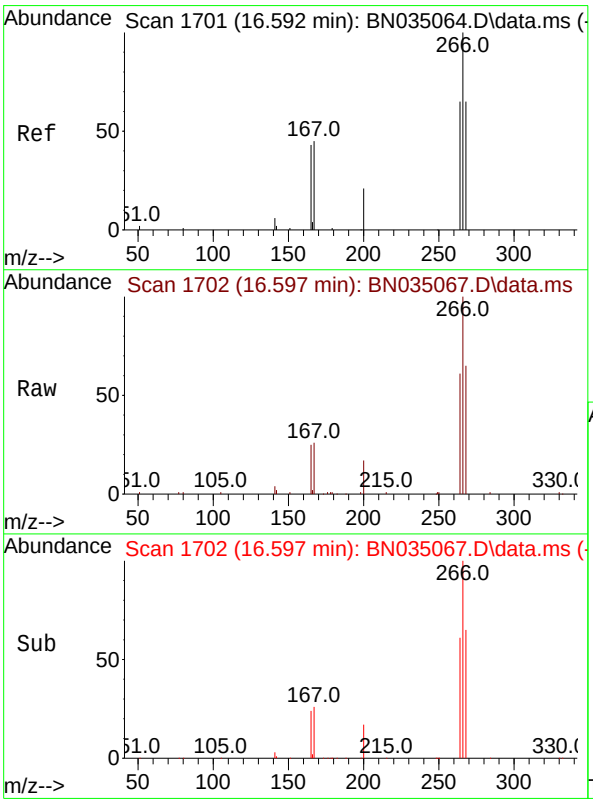
#23
Atrazine
Concen: 3.127 ng
RT: 16.424 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:200 Resp: 26567

Ion	Ratio	Lower	Upper
200	100		
173	19.4	22.6	33.8#
215	47.5	37.8	56.6

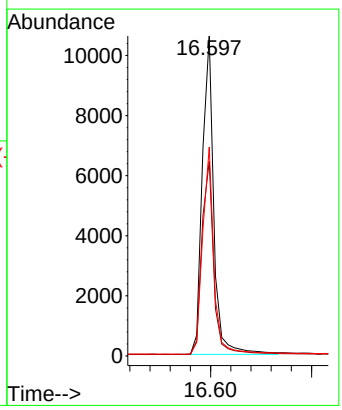


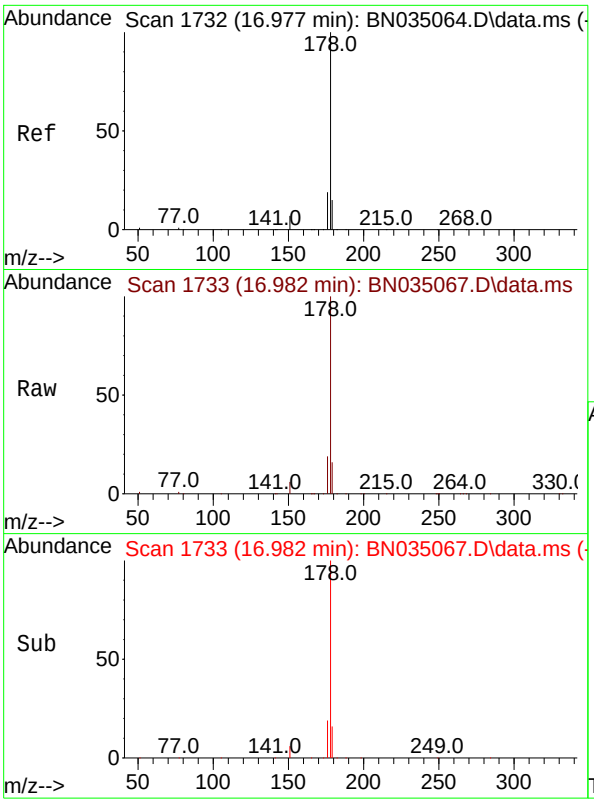


#24
Pentachlorophenol
Concen: 3.656 ng
RT: 16.597 min Scan# 1702
Delta R.T. 0.005 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:266 Resp: 16789

Ion	Ratio	Lower	Upper
266	100		
264	62.8	49.4	74.0
268	64.0	52.6	79.0



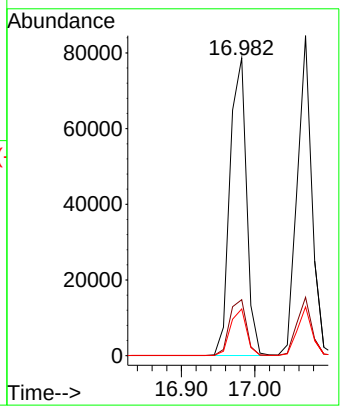


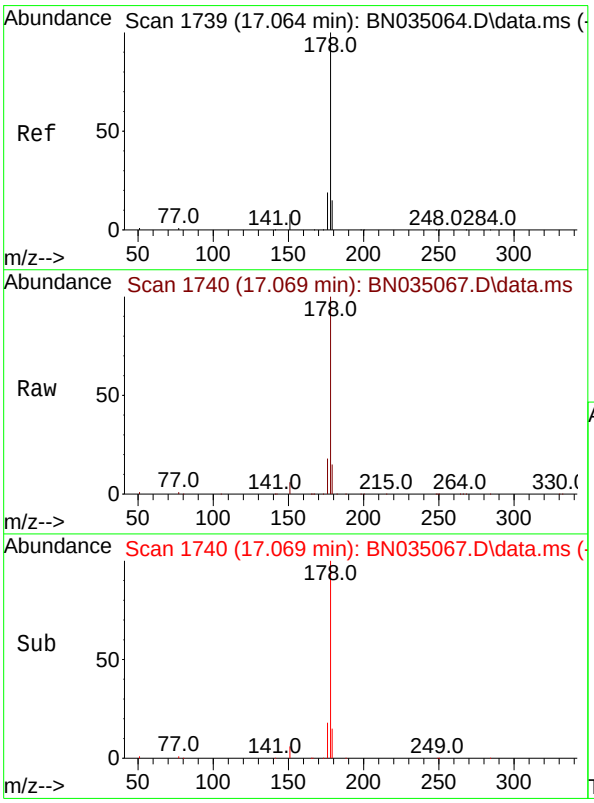
#25
Phenanthrene
Concen: 3.144 ng
RT: 16.982 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 123000

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.2	22.8
179	15.3	12.6	18.8

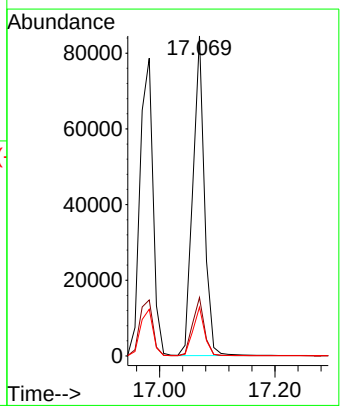


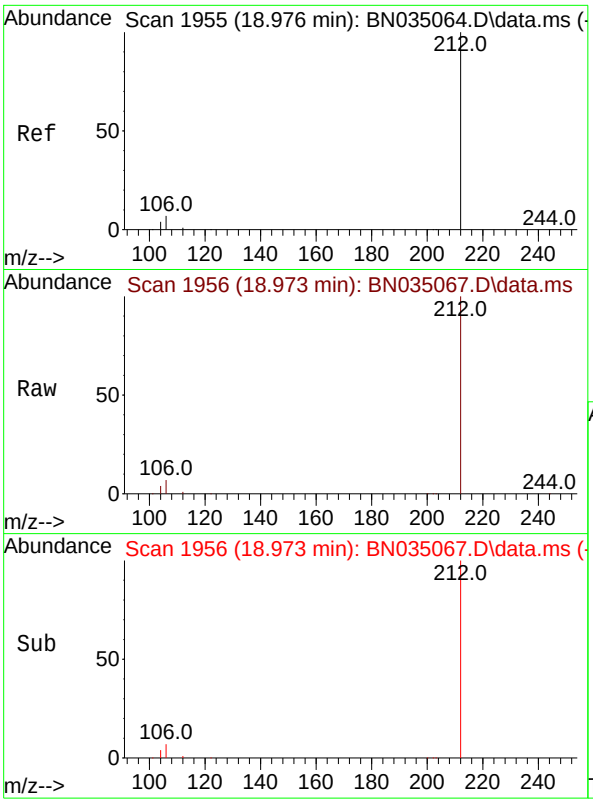


#26
Anthracene
Concen: 3.265 ng
RT: 17.069 min Scan# 1740
Delta R.T. 0.005 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:178 Resp: 117301

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	22.0
179	15.2	12.2	18.2



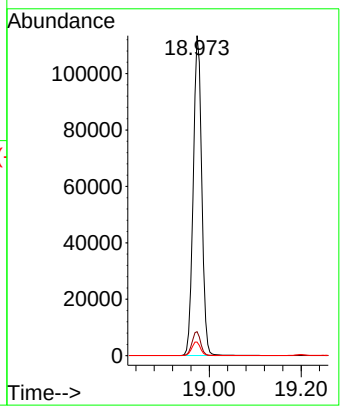


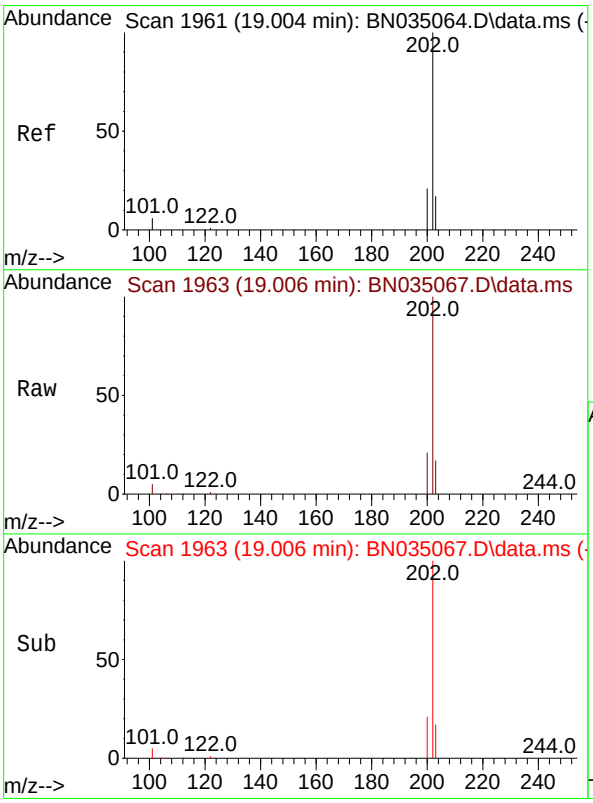
#27
Fluoranthene-d10
Concen: 3.191 ng
RT: 18.973 min Scan# 1
Delta R.T. -0.002 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:212 Resp: 145321

Ion	Ratio	Lower	Upper
212	100		
106	7.5	6.0	9.0
104	4.3	3.5	5.3

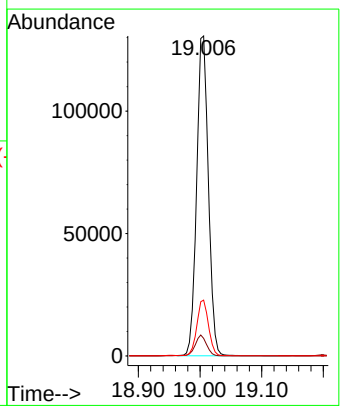


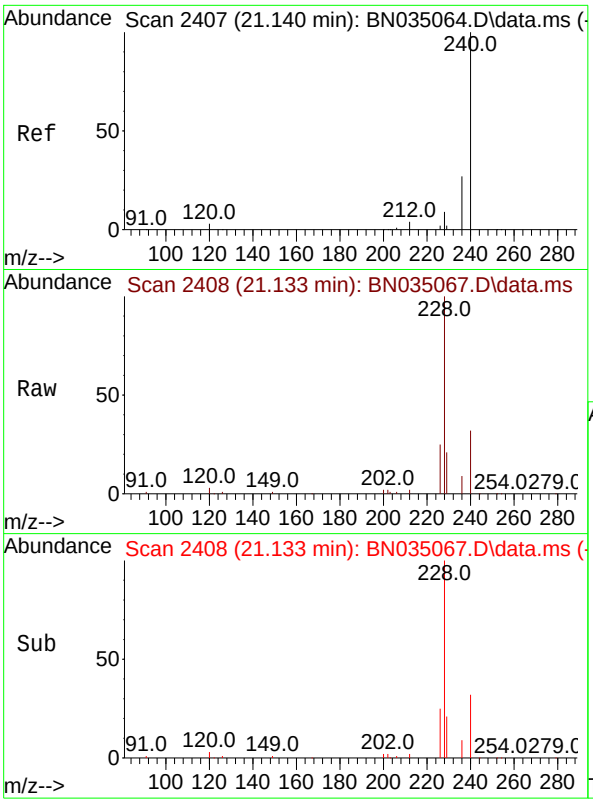


#28
Fluoranthene
Concen: 3.212 ng
RT: 19.006 min Scan# 1963
Delta R.T. 0.002 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:202 Resp: 172759

Ion	Ratio	Lower	Upper
202	100		
101	6.4	5.2	7.8
203	17.3	13.8	20.8



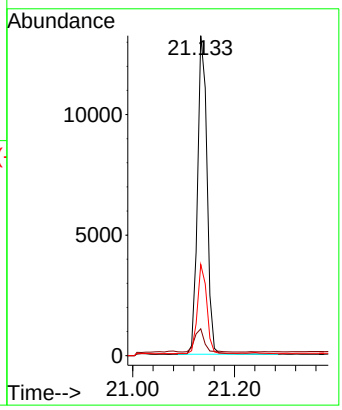


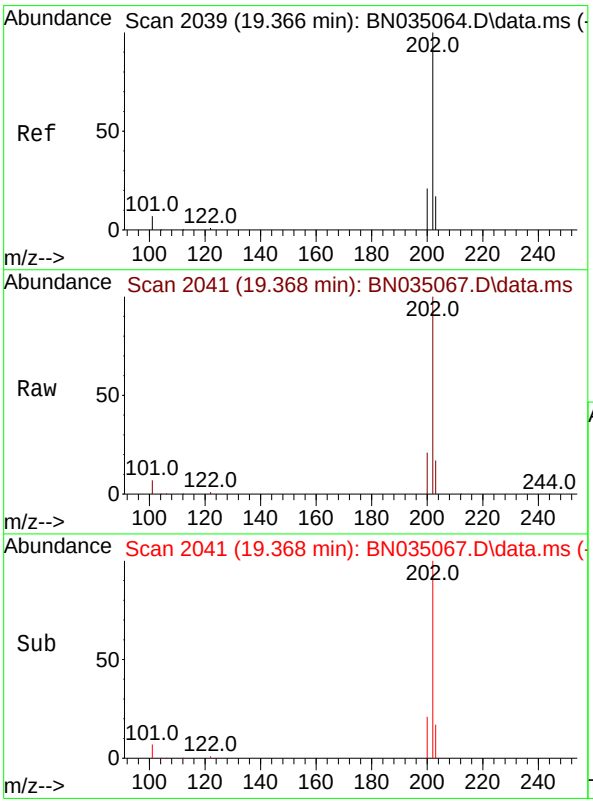
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.133 min Scan# 2
Delta R.T. -0.007 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:240 Resp: 17096

Ion	Ratio	Lower	Upper
240	100		
120	8.4	3.8	5.6#
236	28.5	22.2	33.2

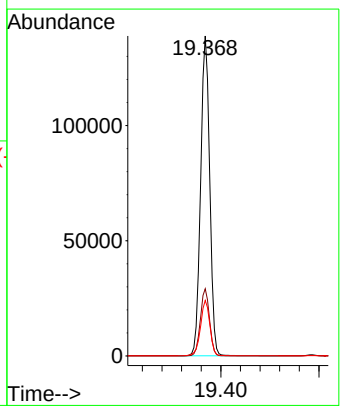


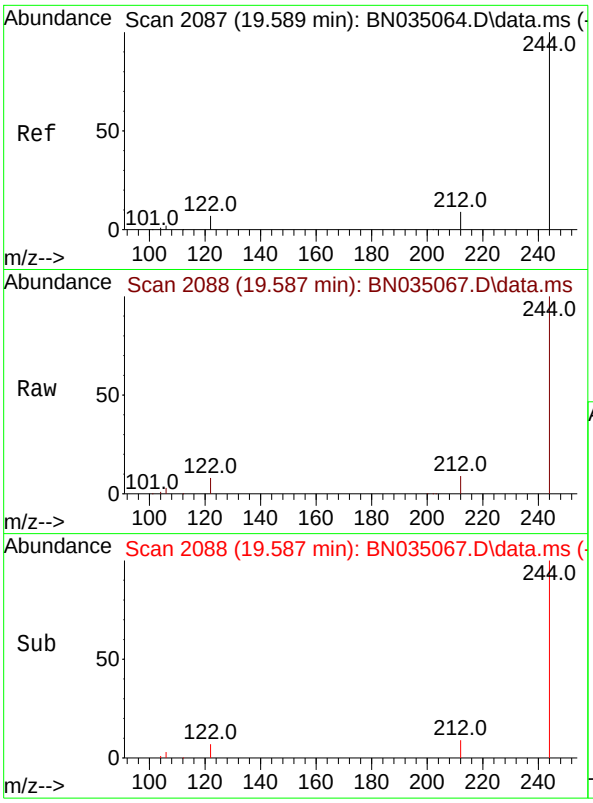


#30
Pyrene
Concen: 3.125 ng
RT: 19.368 min Scan# 2041
Delta R.T. 0.002 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:202 Resp: 177937

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.8	14.2	21.4



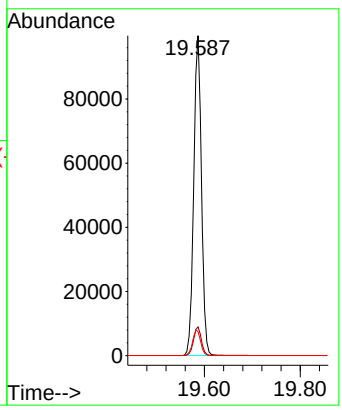


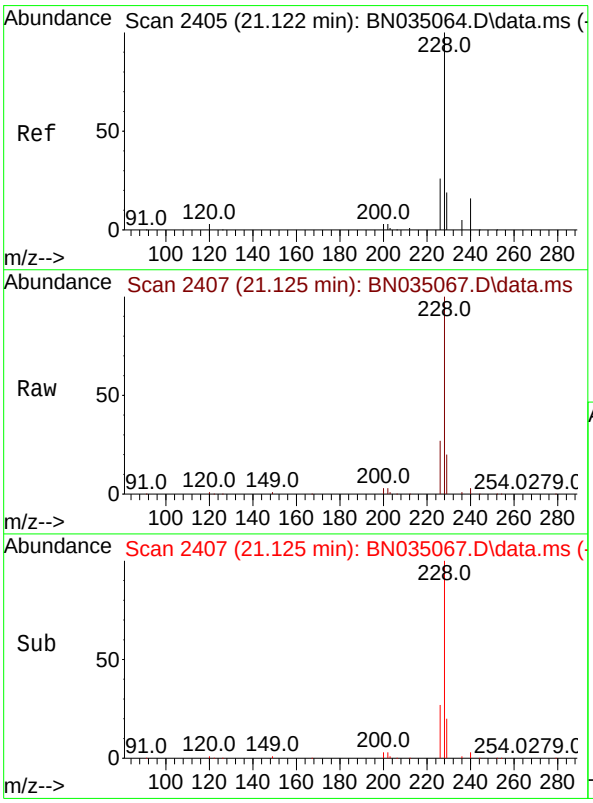
#31
Terphenyl-d14
Concen: 3.115 ng
RT: 19.587 min Scan# 2
Delta R.T. -0.002 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:244 Resp: 111732

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.6	11.4
122	7.6	6.1	9.1

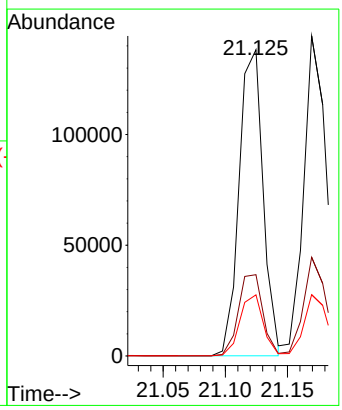


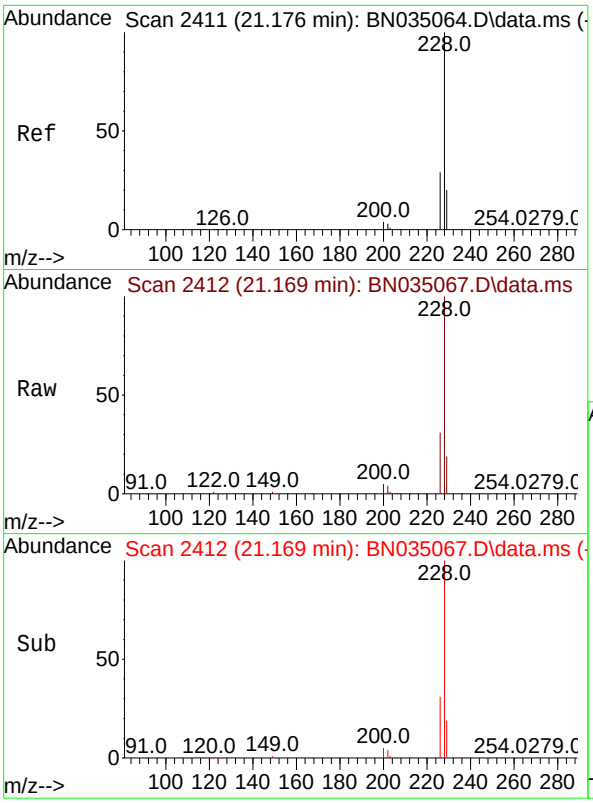


#32
Benzo(a)anthracene
Concen: 3.114 ng
RT: 21.125 min Scan# 2407
Delta R.T. 0.002 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:228 Resp: 185345

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.4	32.0
229	20.0	15.7	23.5



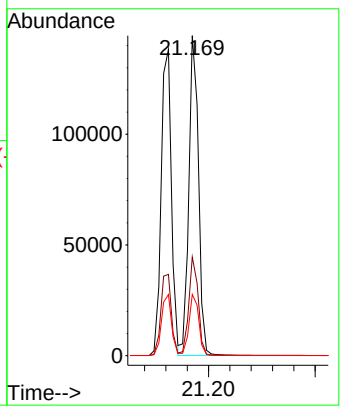


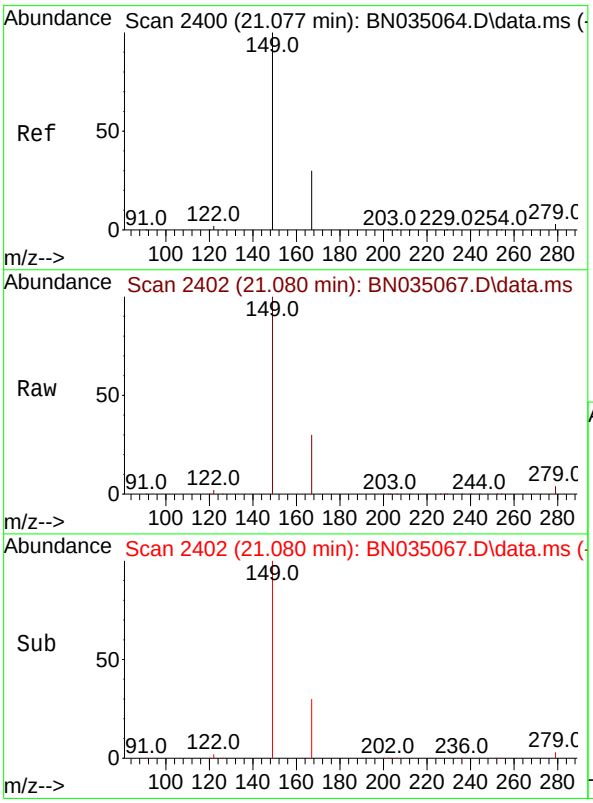
#33
Chrysene
Concen: 3.087 ng
RT: 21.169 min Scan# 24
Delta R.T. -0.007 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 182053

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.7	35.5
229	19.1	16.2	24.4

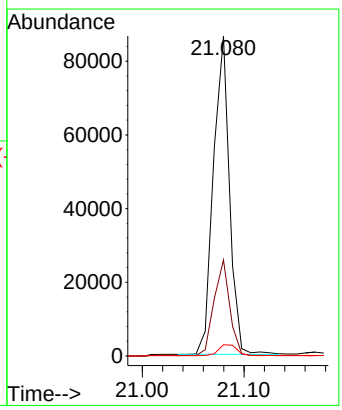


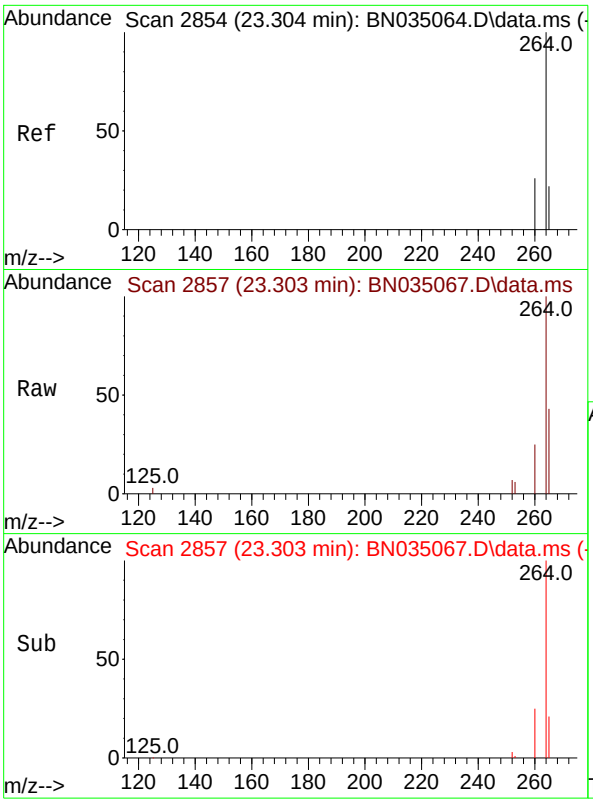


#34
Bis(2-ethylhexyl)phthalate
Concen: 3.061 ng
RT: 21.080 min Scan# 2402
Delta R.T. 0.002 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:149 Resp: 94826

Ion	Ratio	Lower	Upper
149	100		
167	29.3	23.2	34.8
279	3.9	3.2	4.8



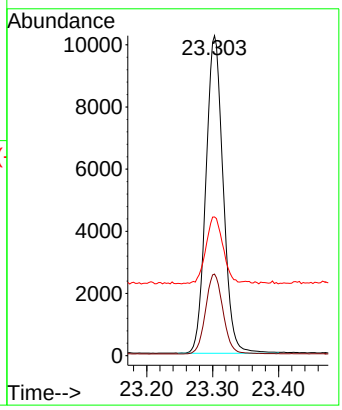


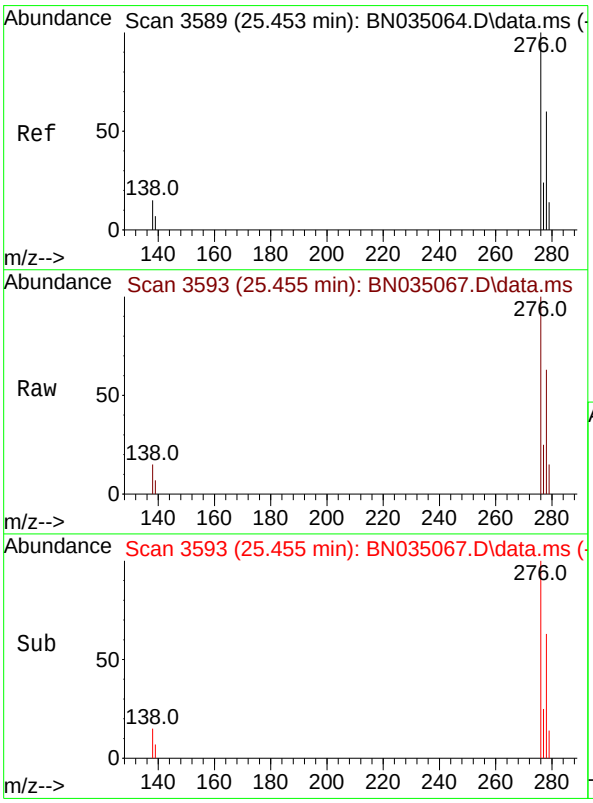
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.303 min Scan# 2
Delta R.T. -0.001 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:264 Resp: 18582

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.9	31.3
265	43.4	35.4	53.2

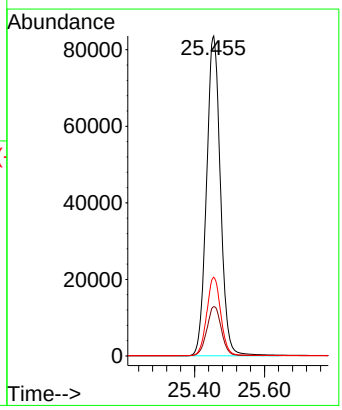


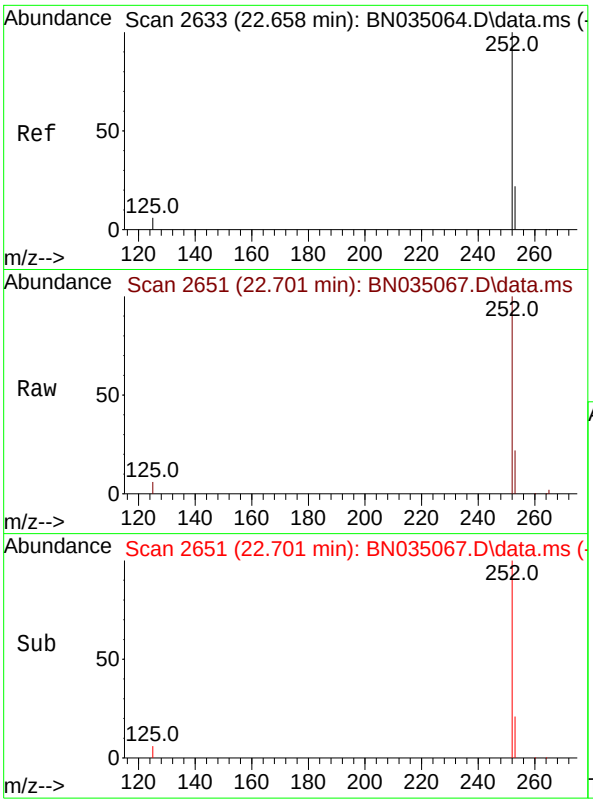


#36
Indeno(1,2,3-cd)pyrene
Concen: 3.108 ng
RT: 25.455 min Scan# 3593
Delta R.T. 0.002 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:276 Resp: 230419

Ion	Ratio	Lower	Upper
276	100		
138	16.0	13.0	19.4
277	24.8	19.8	29.6



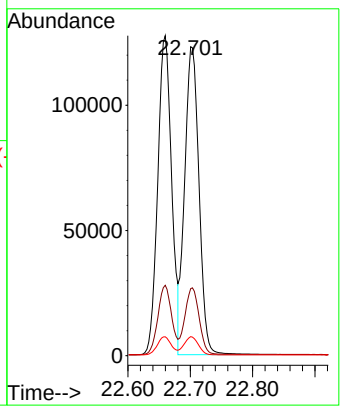


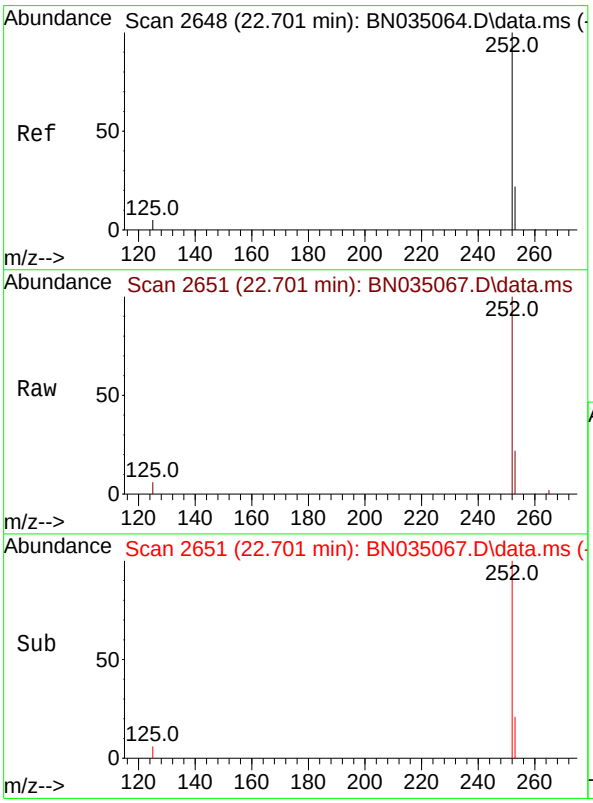
#37
Benzo(b)fluoranthene
Concen: 3.146 ng
RT: 22.701 min Scan# 2
Delta R.T. 0.043 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 196686

Ion	Ratio	Lower	Upper
252	100		
253	21.7	19.3	28.9
125	6.2	6.2	9.2

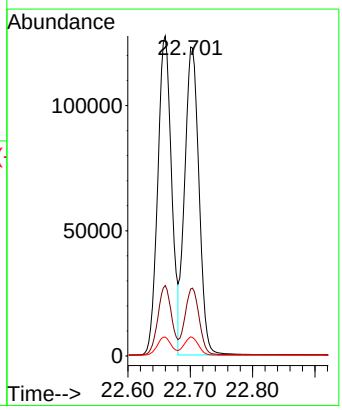


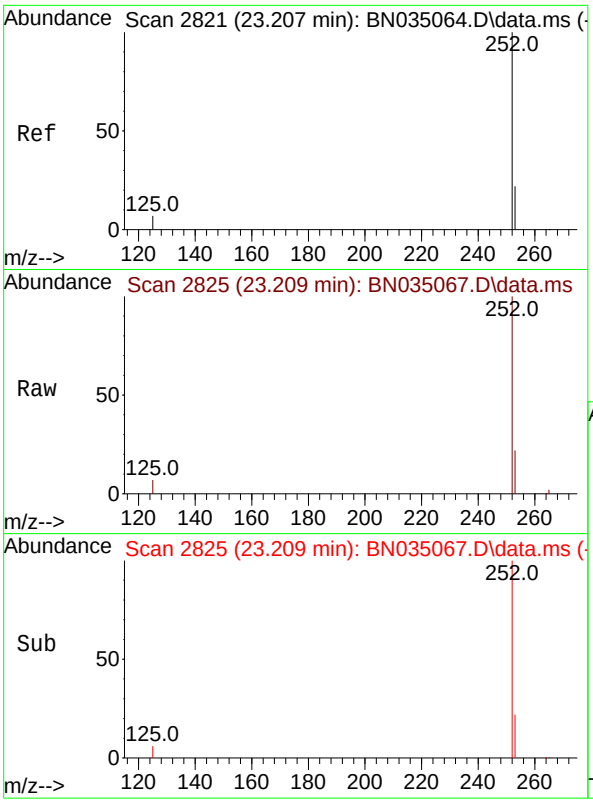


#38
Benzo(k)fluoranthene
Concen: 3.144 ng
RT: 22.701 min Scan# 2651
Delta R.T. -0.001 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:252 Resp: 196686

Ion	Ratio	Lower	Upper
252	100		
253	21.7	19.5	29.3
125	6.2	6.5	9.7#



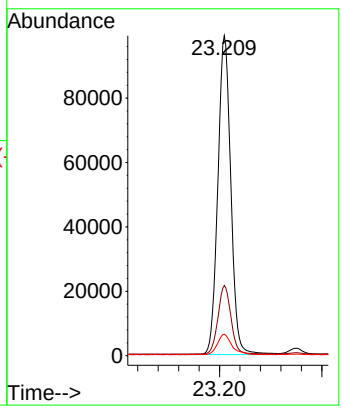


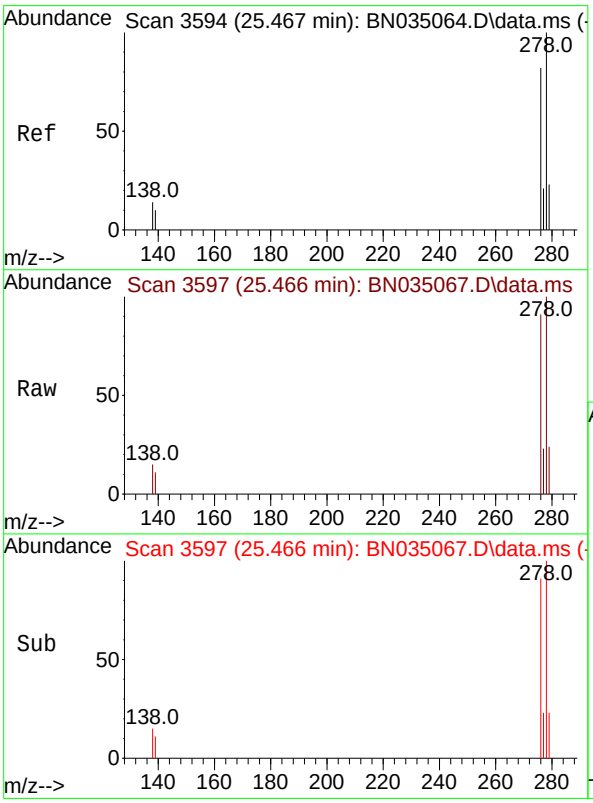
#39
Benzo(a)pyrene
Concen: 3.155 ng
RT: 23.209 min Scan# 2
Delta R.T. 0.002 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 173547

Ion	Ratio	Lower	Upper
252	100		
253	22.0	20.1	30.1
125	6.7	7.5	11.3#

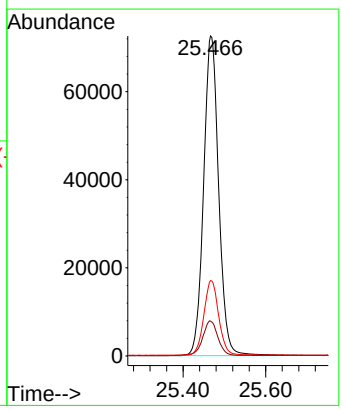


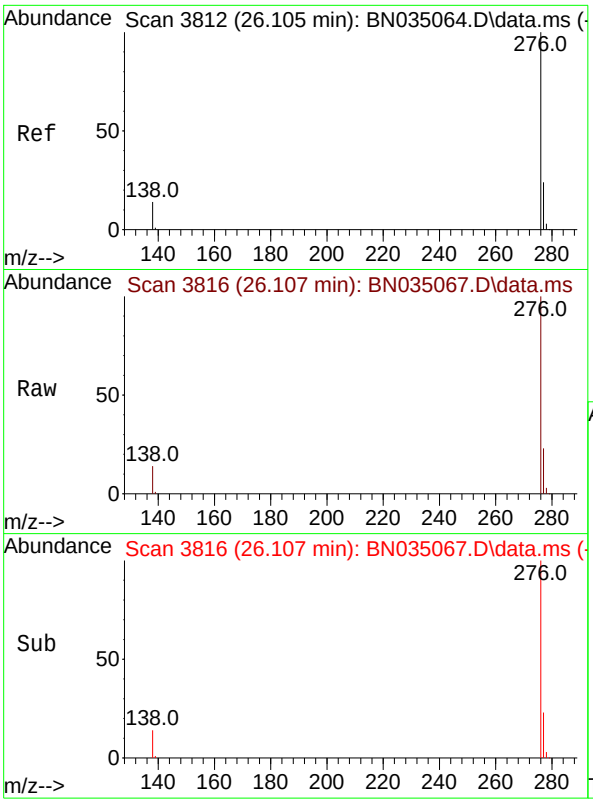


#40
Dibenzo(a,h)anthracene
Concen: 3.127 ng
RT: 25.466 min Scan# 3597
Delta R.T. -0.001 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Tgt Ion:278 Resp: 183641

Ion	Ratio	Lower	Upper
278	100		
139	10.9	9.3	13.9
279	23.6	19.7	29.5



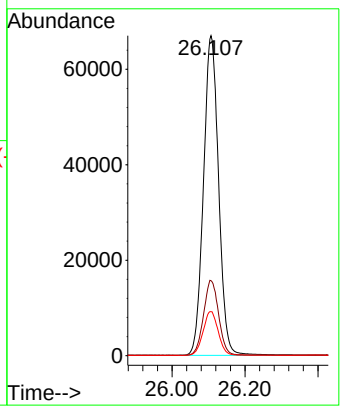


#41
Benzo(g,h,i)perylene
Concen: 3.079 ng
RT: 26.107 min Scan# 3
Delta R.T. 0.002 min
Lab File: BN035067.D
Acq: 13 Nov 2024 15:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 192341

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.9	29.9
138	13.8	11.6	17.4



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035069.D
Acq On : 13 Nov 2024 16:51
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Quant Time: Nov 13 17:18:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 17:18:14 2024
Response via : Initial Calibration

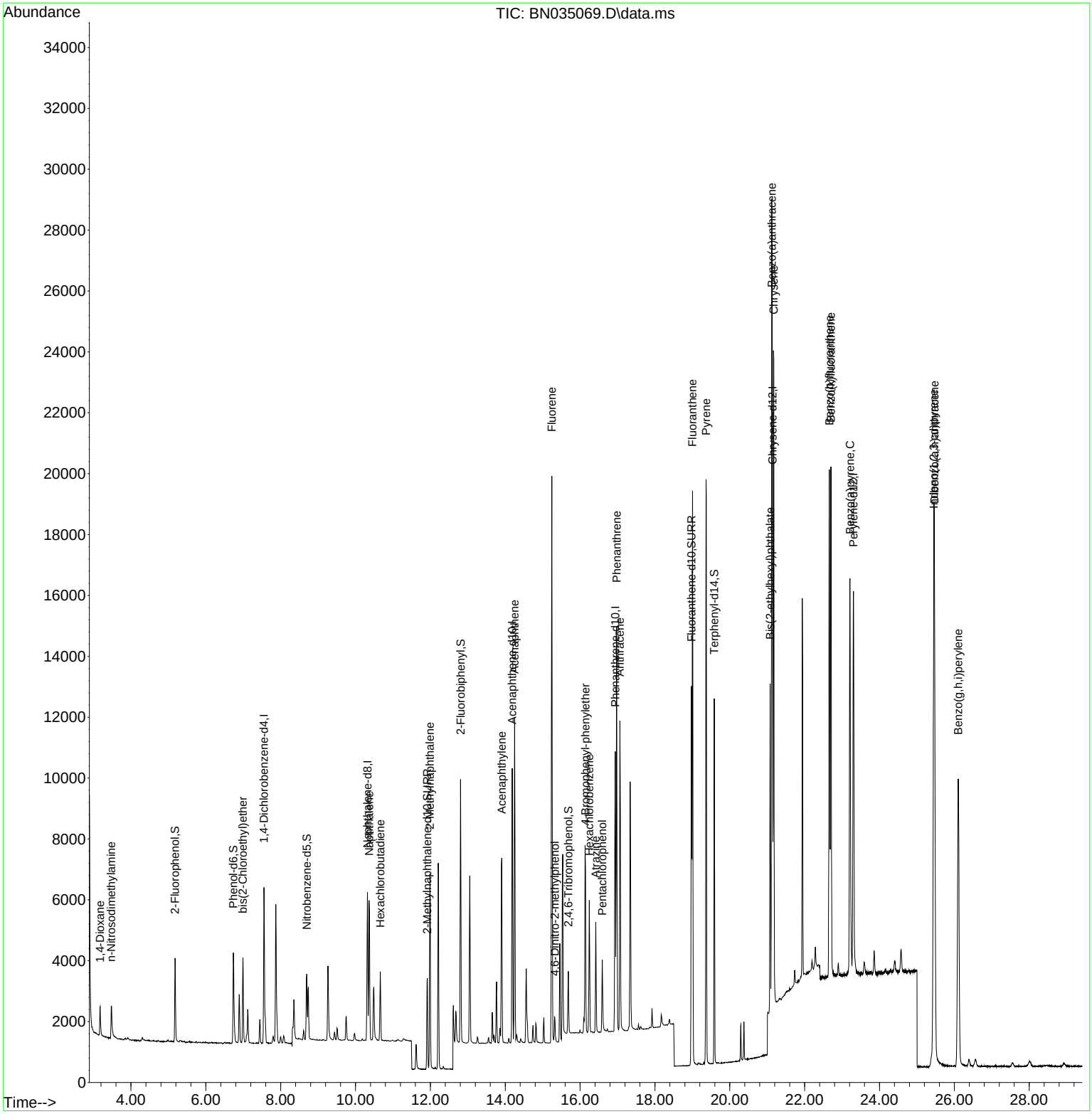
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.553	152	2509	0.400	ng		0.00
7) Naphthalene-d8	10.319	136	6367	0.400	ng		0.00
13) Acenaphthene-d10	14.186	164	4967	0.400	ng		0.00
19) Phenanthrene-d10	16.939	188	12682	0.400	ng		0.00
29) Chrysene-d12	21.140	240	14055	0.400	ng		0.00
35) Perylene-d12	23.304	264	15724	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.177	112	2342	0.368	ng		0.00
5) Phenol-d6	6.737	99	2867	0.359	ng		0.00
8) Nitrobenzene-d5	8.696	82	1983	0.358	ng		0.00
11) 2-Methylnaphthalene-d10	11.916	152	4166	0.367	ng		0.00
14) 2,4,6-Tribromophenol	15.686	330	1154	0.322	ng		0.00
15) 2-Fluorobiphenyl	12.807	172	7205	0.357	ng		0.00
27) Fluoranthene-d10	18.976	212	14530	0.374	ng		0.00
31) Terphenyl-d14	19.584	244	11240	0.381	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.177	88	845	0.371	ng		99
3) n-Nitrosodimethylamine	3.473	42	781	0.368	ng	#	94
6) bis(2-Chloroethyl)ether	6.990	93	2218	0.370	ng		98
9) Naphthalene	10.362	128	6092	0.366	ng		100
10) Hexachlorobutadiene	10.661	225	1817	0.373	ng	#	98
12) 2-Methylnaphthalene	11.988	142	4513	0.368	ng		99
16) Acenaphthylene	13.908	152	7387	0.348	ng		100
17) Acenaphthene	14.250	154	4995	0.359	ng		99
18) Fluorene	15.245	166	7206	0.352	ng		100
20) 4,6-Dinitro-2-methylph...	15.330	198	830	0.314	ng	#	90
21) 4-Bromophenyl-phenylether	16.145	248	3001	0.371	ng		98
22) Hexachlorobenzene	16.244	284	3175	0.379	ng		99
23) Atrazine	16.418	200	2682	0.370	ng		98
24) Pentachlorophenol	16.592	266	1269	0.324	ng		98
25) Phenanthrene	16.977	178	12517	0.375	ng		99
26) Anthracene	17.063	178	11219	0.366	ng		100
28) Fluoranthene	19.004	202	17084	0.372	ng		100
30) Pyrene	19.366	202	17580	0.376	ng		100
32) Benzo(a)anthracene	21.122	228	18406	0.376	ng		99
33) Chrysene	21.176	228	18693	0.386	ng		99
34) Bis(2-ethylhexyl)phtha...	21.077	149	8691	0.338	ng		100
36) Indeno(1,2,3-cd)pyrene	25.450	276	23546	0.375	ng		99
37) Benzo(b)fluoranthene	22.660	252	20039	0.379	ng		99
38) Benzo(k)fluoranthene	22.701	252	20114	0.380	ng		98
39) Benzo(a)pyrene	23.210	252	17596	0.378	ng		99
40) Dibenzo(a,h)anthracene	25.467	278	18547	0.373	ng		98
41) Benzo(g,h,i)perylene	26.104	276	19649	0.372	ng		99

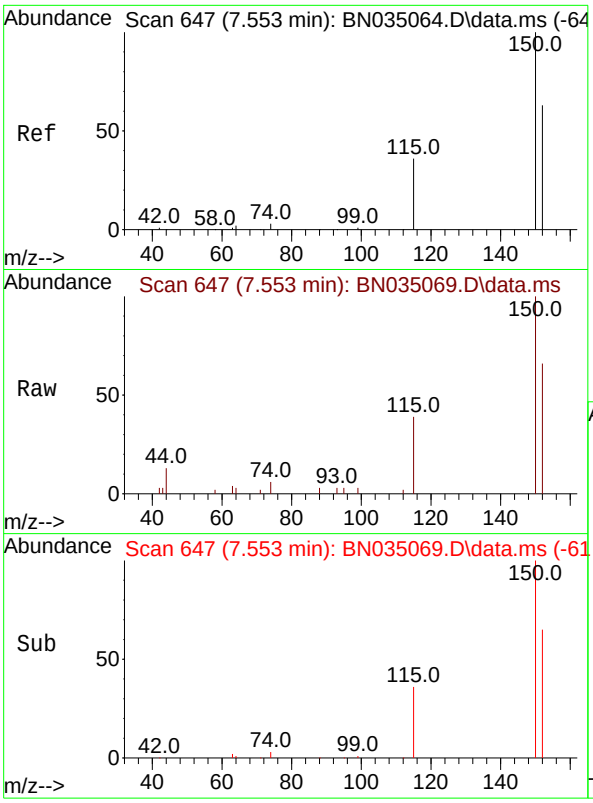
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035069.D
Acq On : 13 Nov 2024 16:51
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Quant Time: Nov 13 17:18:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 17:18:14 2024
Response via : Initial Calibration



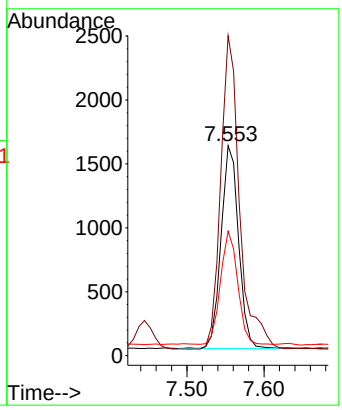


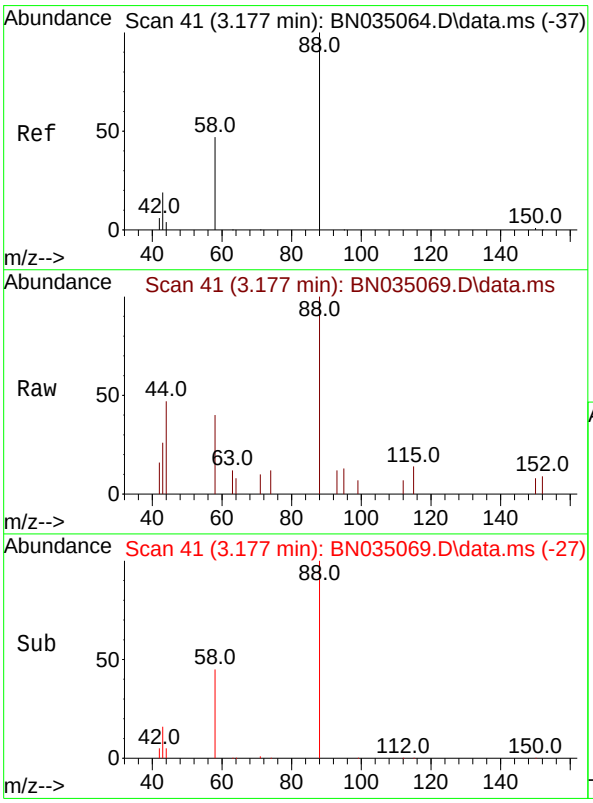
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.553 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion:152 Resp: 2509

Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.5	186.7
115	59.3	47.8	71.6

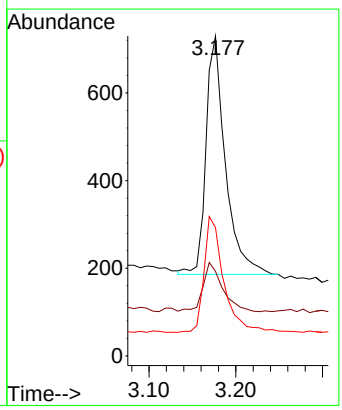


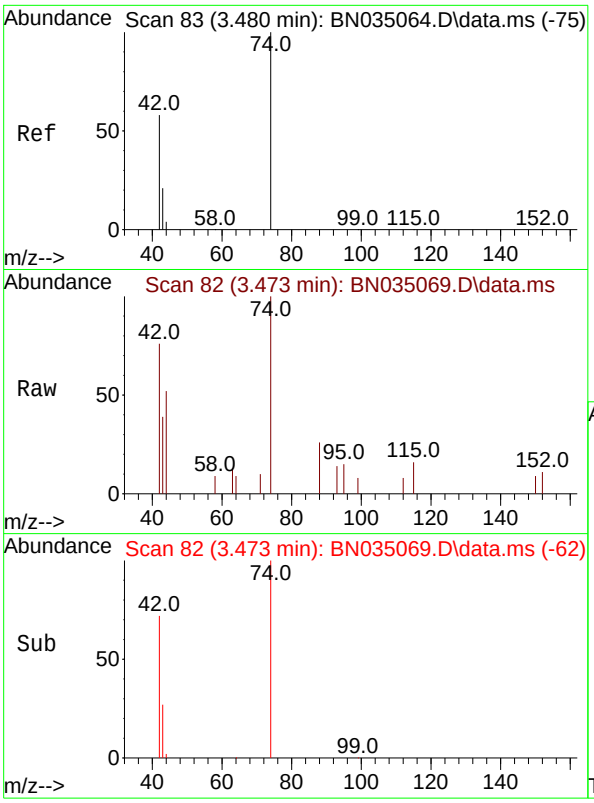


#2
1,4-Dioxane
Concen: 0.371 ng
RT: 3.177 min Scan# 41
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion: 88 Resp: 845

Ion	Ratio	Lower	Upper
88	100		
43	20.8	16.9	25.3
58	49.1	39.0	58.4



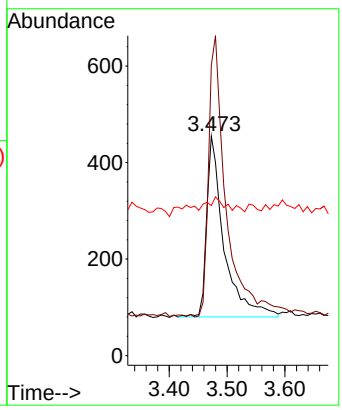


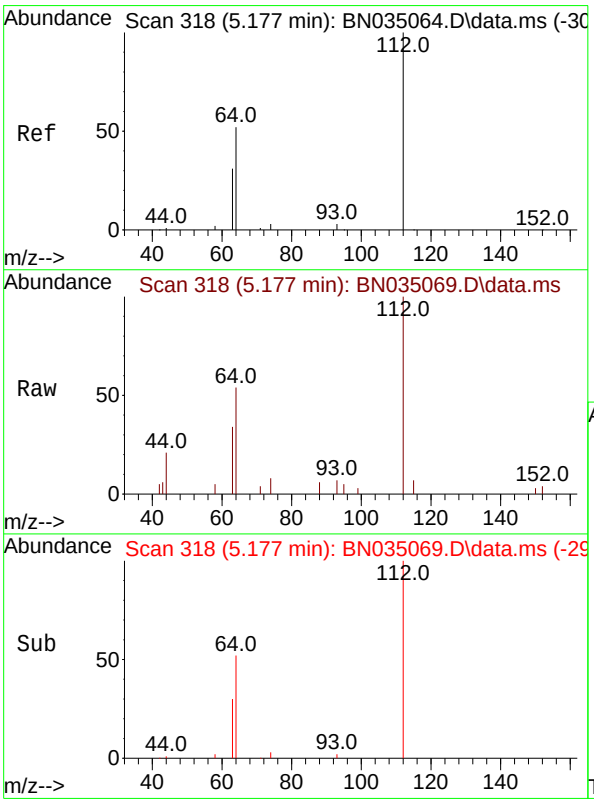
#3
n-Nitrosodimethylamine
Concen: 0.368 ng
RT: 3.473 min Scan# 8
Delta R.T. -0.007 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion: 42 Resp: 781

Ion	Ratio	Lower	Upper
42	100		
74	158.6	120.8	181.2
44	8.7	2.9	4.3#

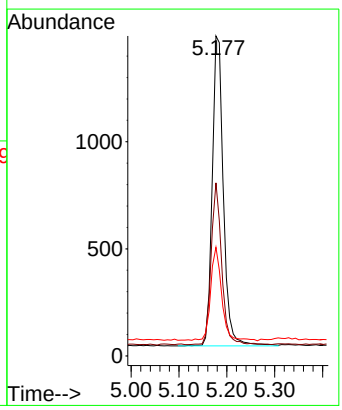


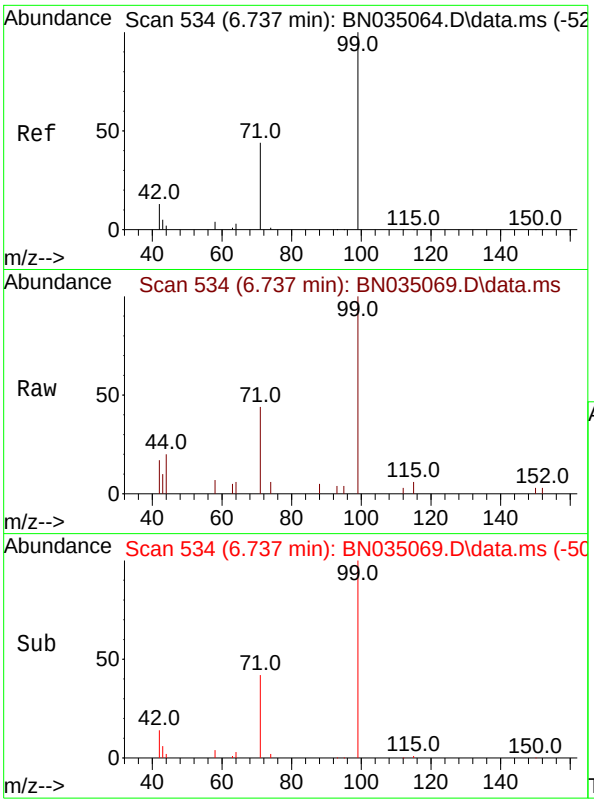


#4
2-Fluorophenol
Concen: 0.368 ng
RT: 5.177 min Scan# 318
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:112 Resp: 2342

Ion	Ratio	Lower	Upper
112	100		
64	48.8	39.7	59.5
63	30.1	23.0	34.4



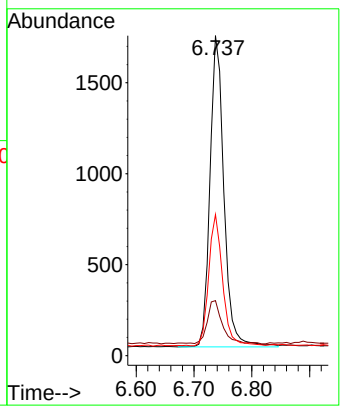


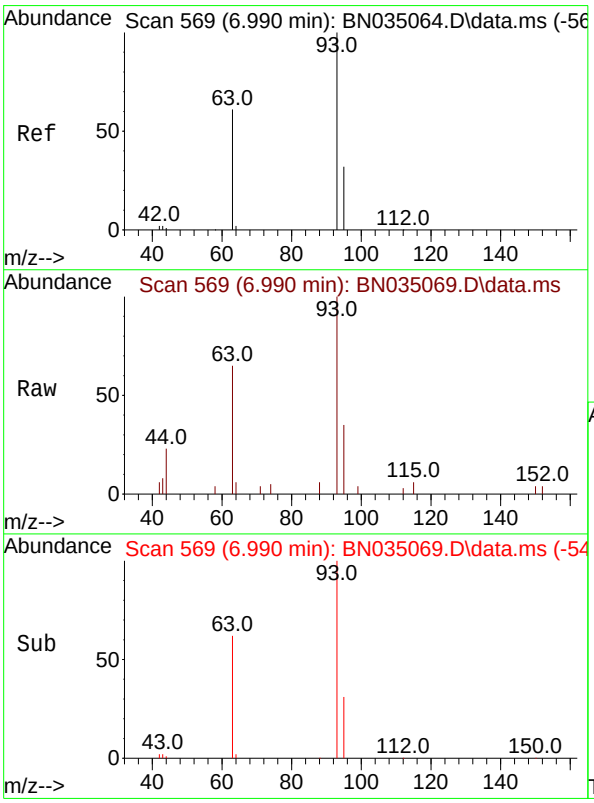
#5
Phenol-d6
Concen: 0.359 ng
RT: 6.737 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion: 99 Resp: 2867

Ion	Ratio	Lower	Upper
99	100		
42	14.4	11.4	17.0
71	42.1	34.6	51.8

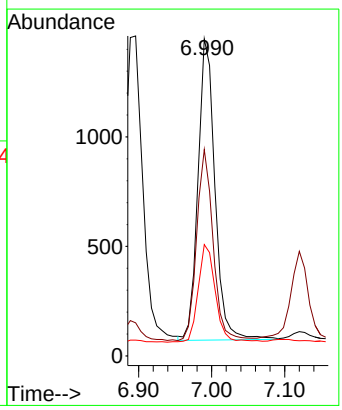


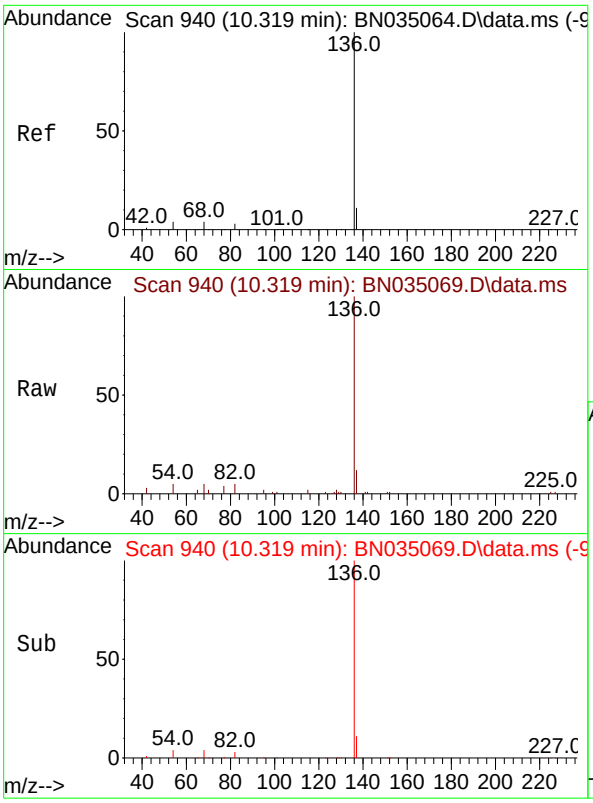


#6
bis(2-Chloroethyl)ether
Concen: 0.370 ng
RT: 6.990 min Scan# 569
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion: 93 Resp: 2218

Ion	Ratio	Lower	Upper
93	100		
63	61.3	47.4	71.2
95	33.0	26.2	39.4



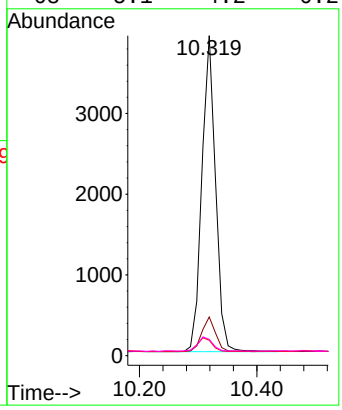


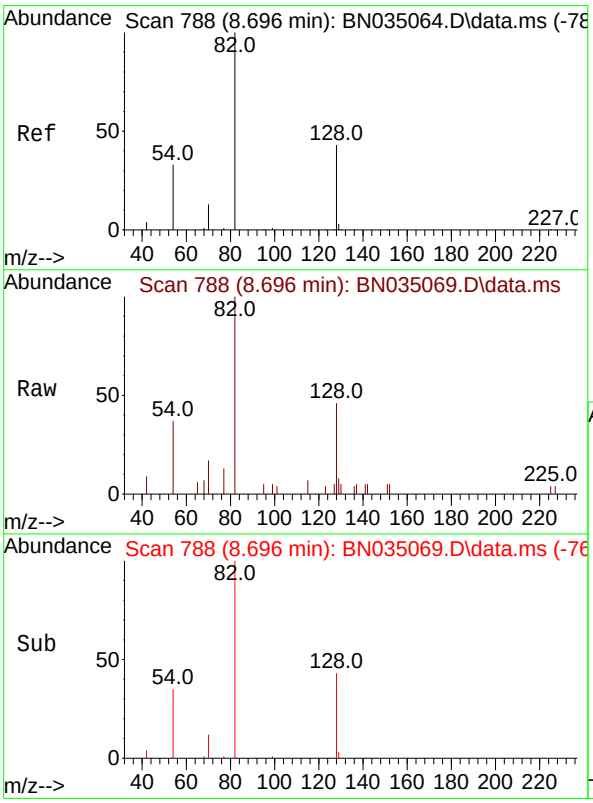
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.319 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion:136 Resp: 6367

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.8	14.8
54	4.8	4.0	6.0
68	5.1	4.2	6.2

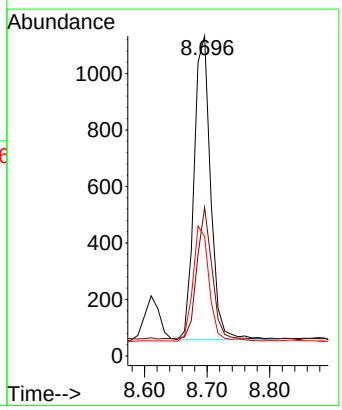


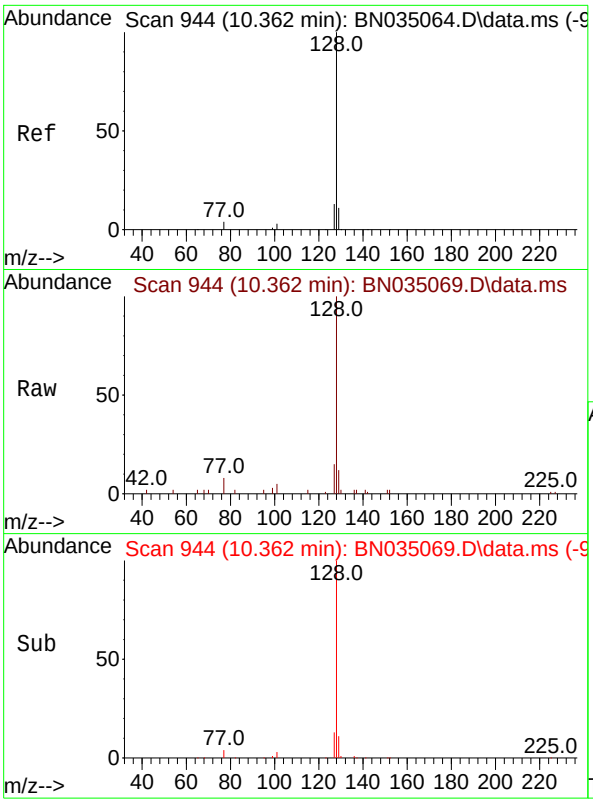


#8
Nitrobenzene-d5
Concen: 0.358 ng
RT: 8.696 min Scan# 788
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion: 82 Resp: 1983

Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.5	54.7
54	37.4	28.7	43.1



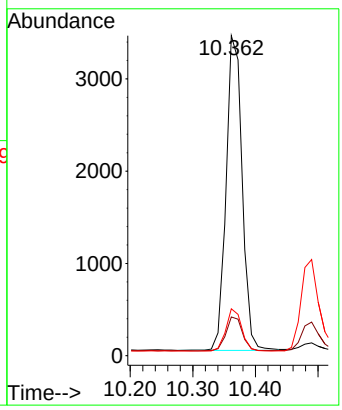


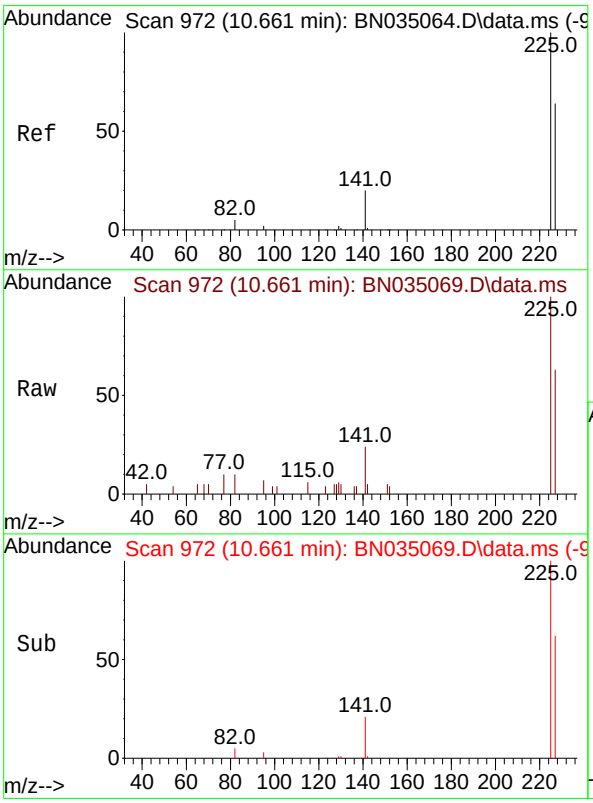
#9
Naphthalene
Concen: 0.366 ng
RT: 10.362 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion:128 Resp: 6092

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.6	14.4
127	14.7	11.6	17.4

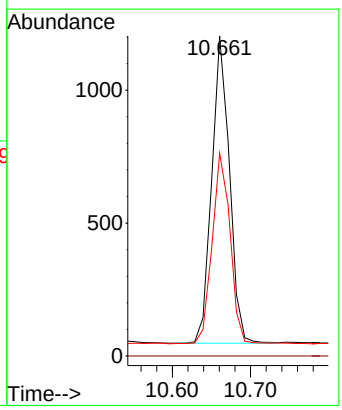


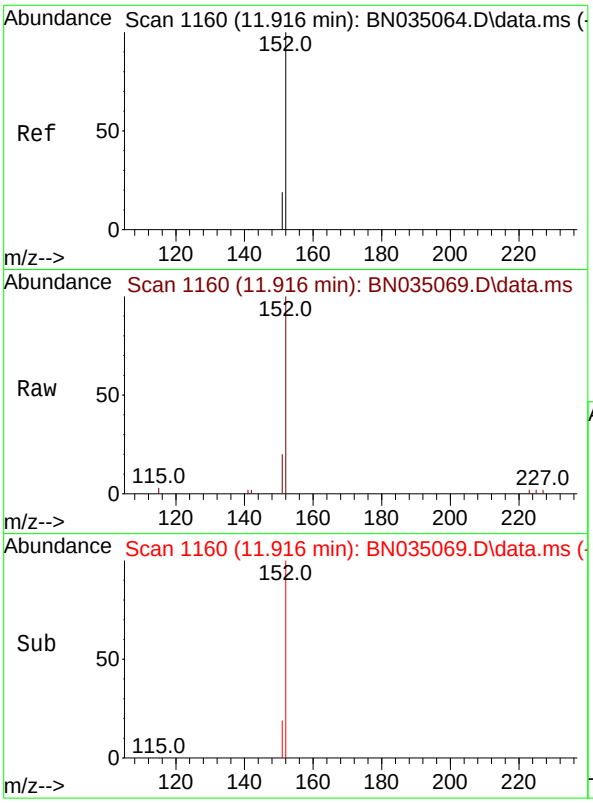


#10
Hexachlorobutadiene
Concen: 0.373 ng
RT: 10.661 min Scan# 972
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:225 Resp: 1817

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	51.5	77.3



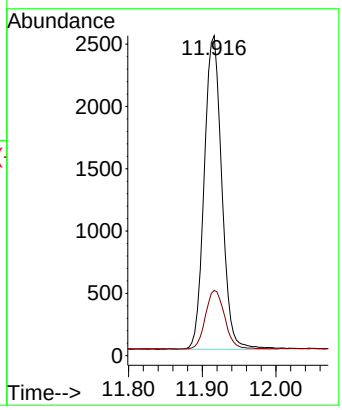


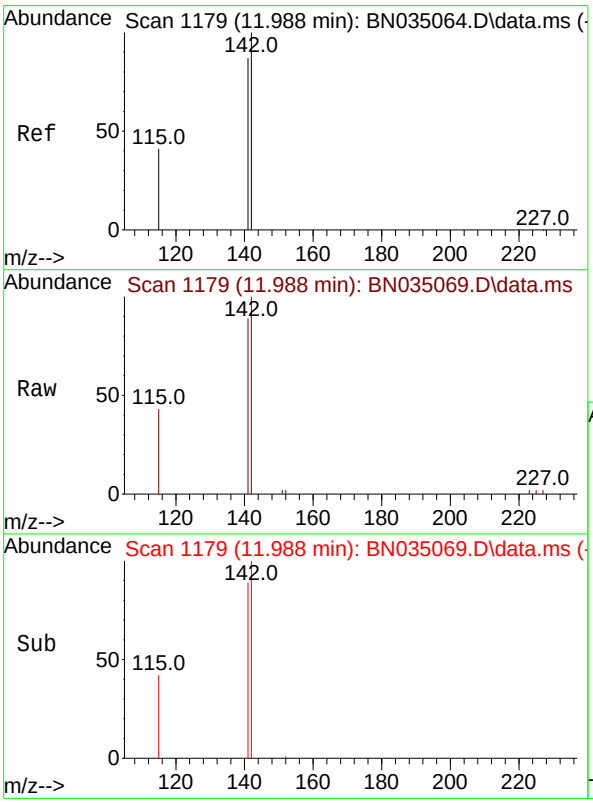
#11
2-Methylnaphthalene-d10
Concen: 0.367 ng
RT: 11.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion:152 Resp: 4166

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.4

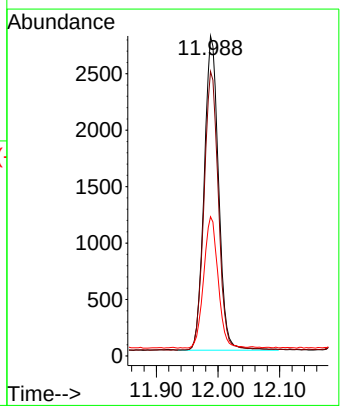


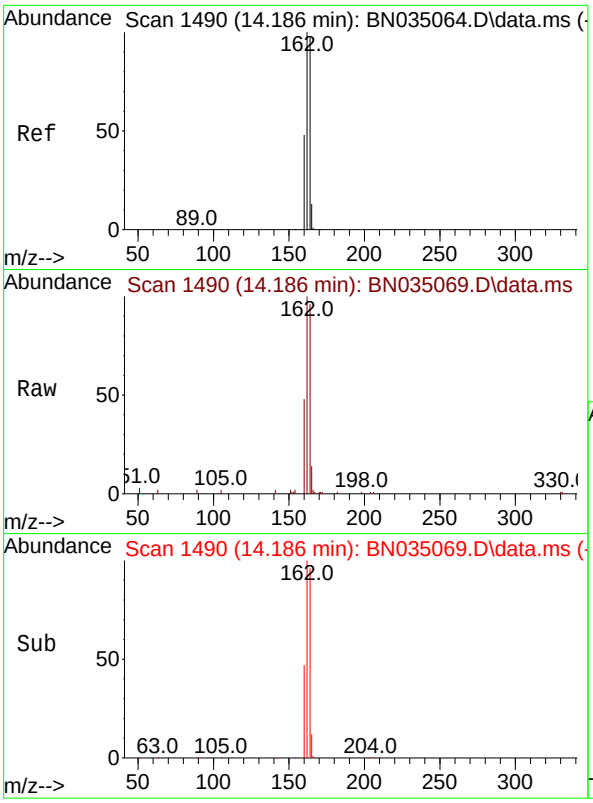


#12
2-Methylnaphthalene
Concen: 0.368 ng
RT: 11.988 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:142 Resp: 4513

Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.1	105.1
115	43.5	34.4	51.6



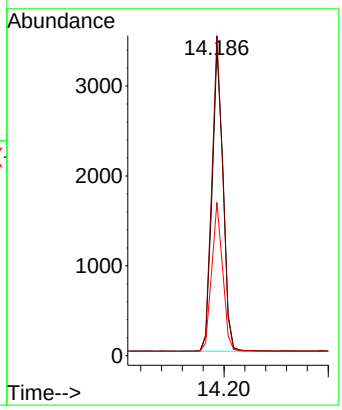


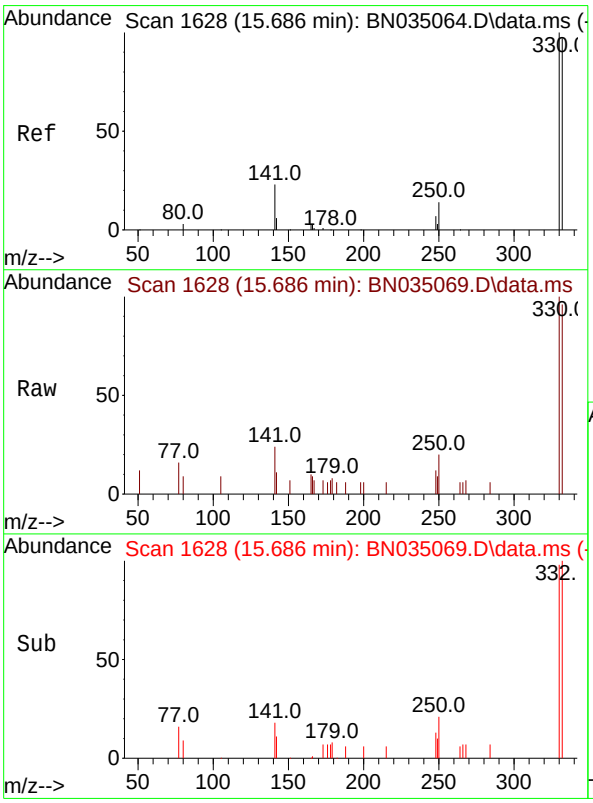
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.186 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion:164 Resp: 4967

Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.2	123.2
160	49.8	40.2	60.4

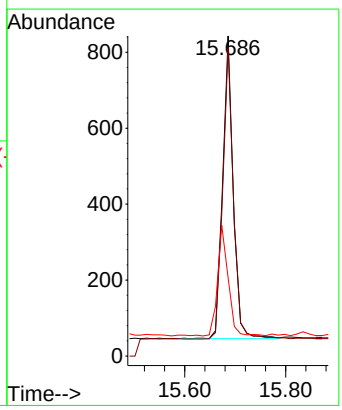


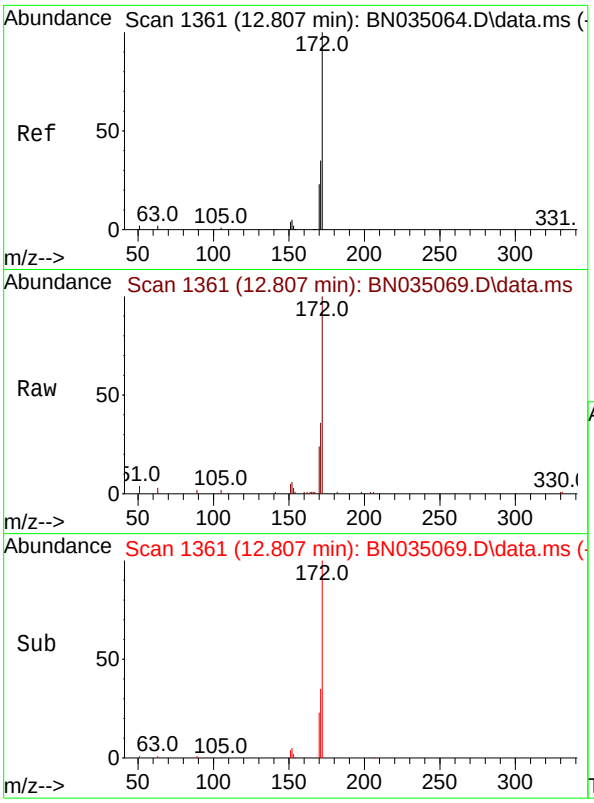


#14
2,4,6-Tribromophenol
Concen: 0.322 ng
RT: 15.686 min Scan# 1628
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:330 Resp: 1154

Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.9	115.3
141	36.7	29.6	44.4



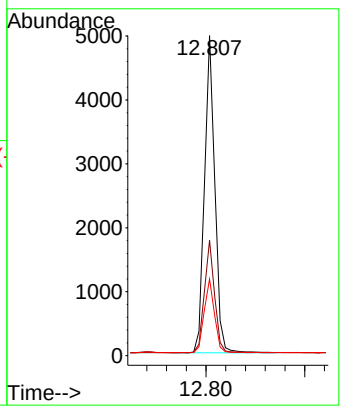


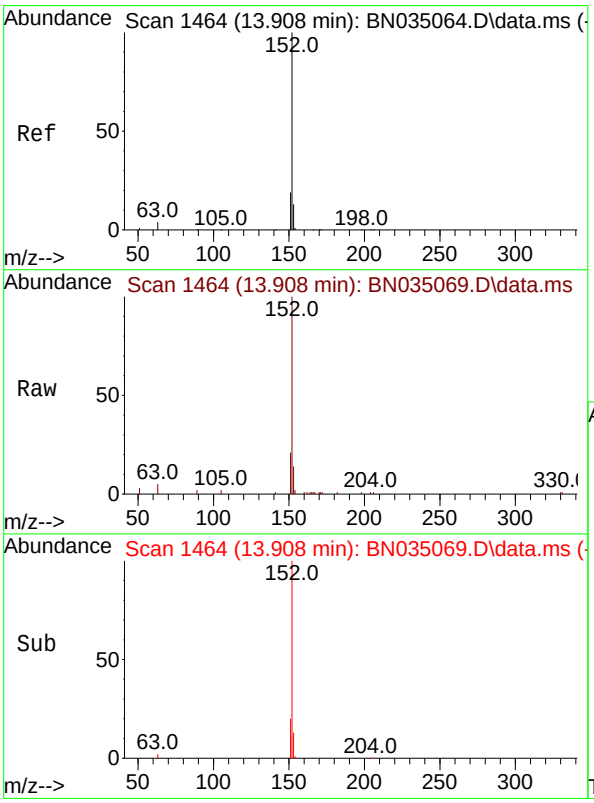
#15
2-Fluorobiphenyl
Concen: 0.357 ng
RT: 12.807 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion:172 Resp: 7205

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.2	42.4
170	23.9	19.0	28.6

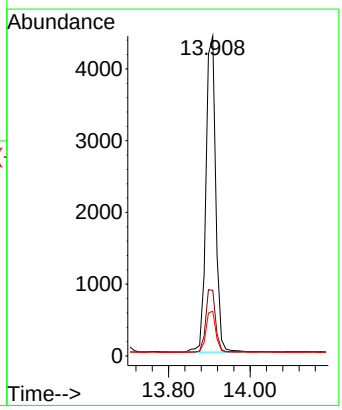


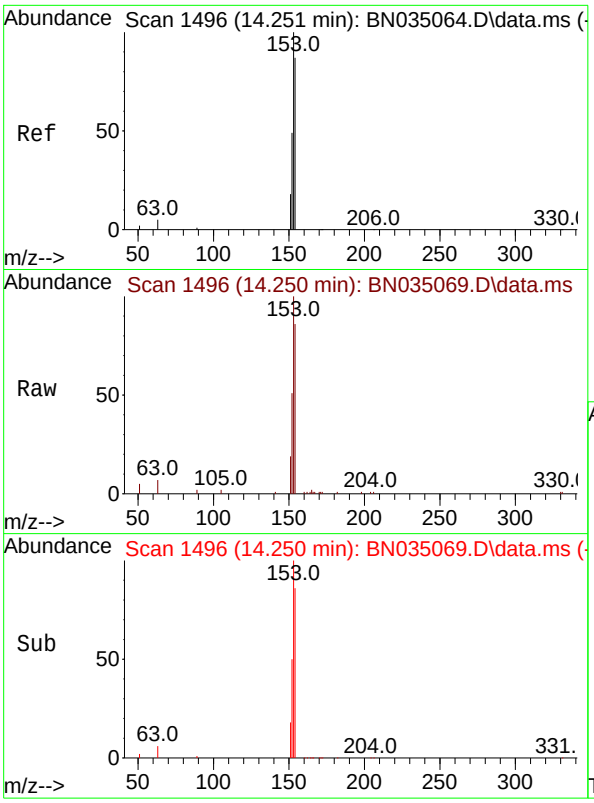


#16
Acenaphthylene
Concen: 0.348 ng
RT: 13.908 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:152 Resp: 7387

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.0	10.2	15.4



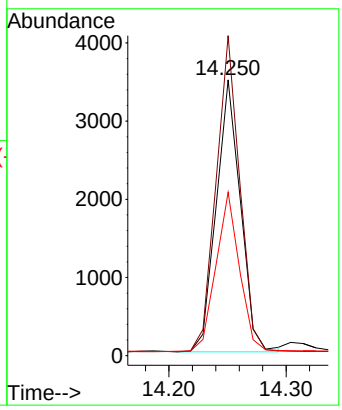


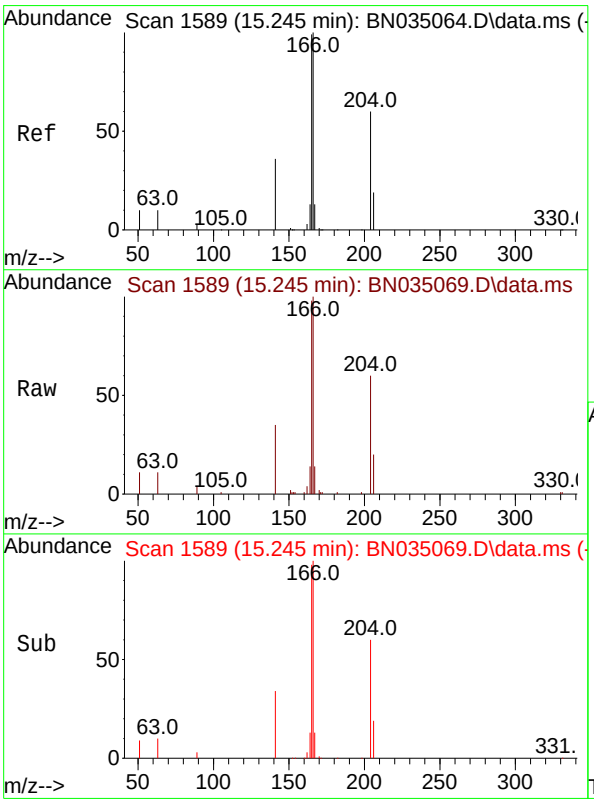
#17
Acenaphthene
Concen: 0.359 ng
RT: 14.250 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion:154 Resp: 4995

Ion	Ratio	Lower	Upper
154	100		
153	113.2	91.6	137.4
152	57.7	45.8	68.6

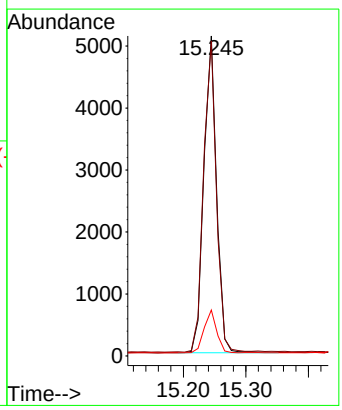


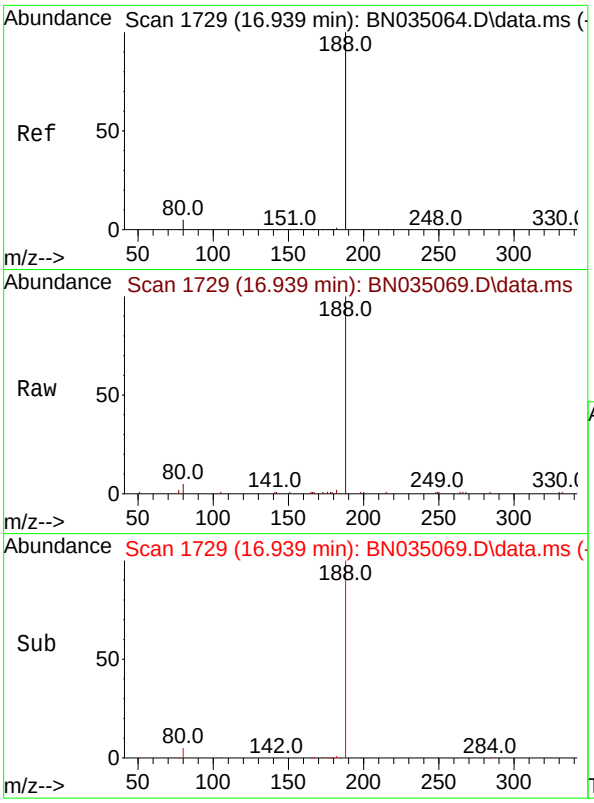


#18
Fluorene
Concen: 0.352 ng
RT: 15.245 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:166 Resp: 7206

Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.1	118.7
167	13.7	10.6	16.0



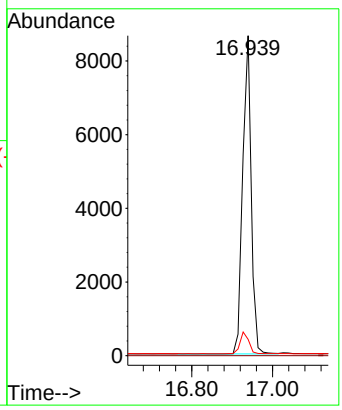


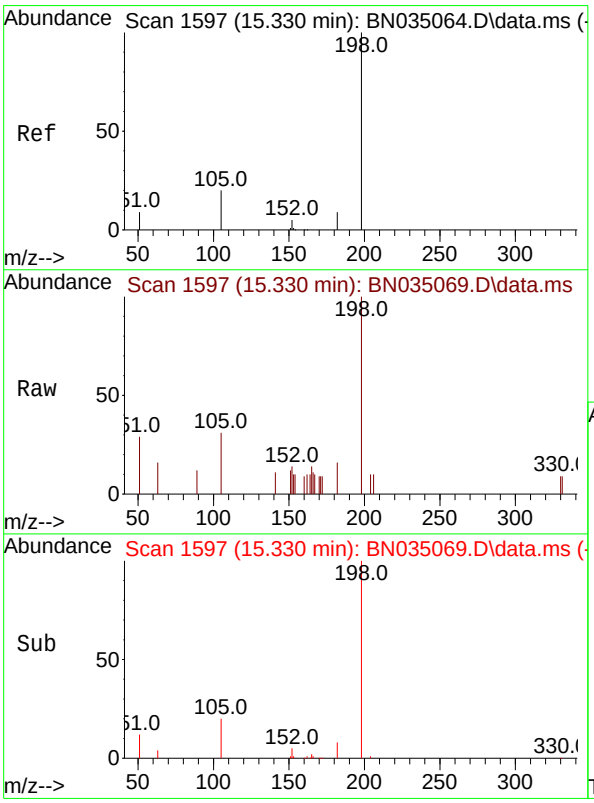
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.939 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion:188 Resp: 12682

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.1	4.3	6.5

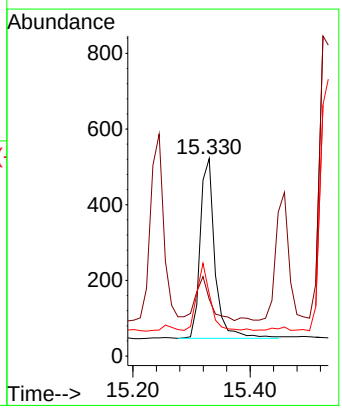


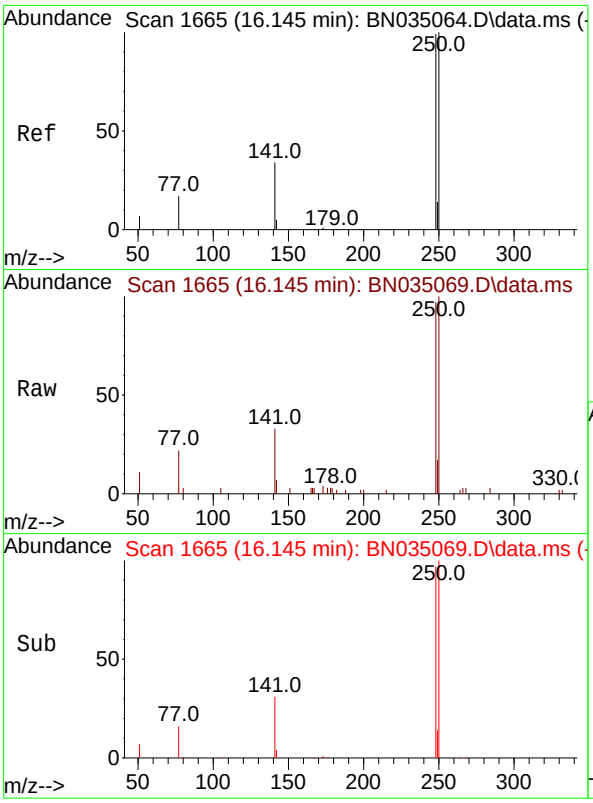


#20
4,6-Dinitro-2-methylphenol
Concen: 0.314 ng
RT: 15.330 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:198 Resp: 830

Ion	Ratio	Lower	Upper
198	100		
51	28.7	29.9	44.9#
105	31.4	23.7	35.5



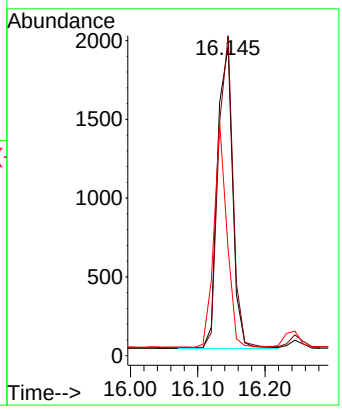


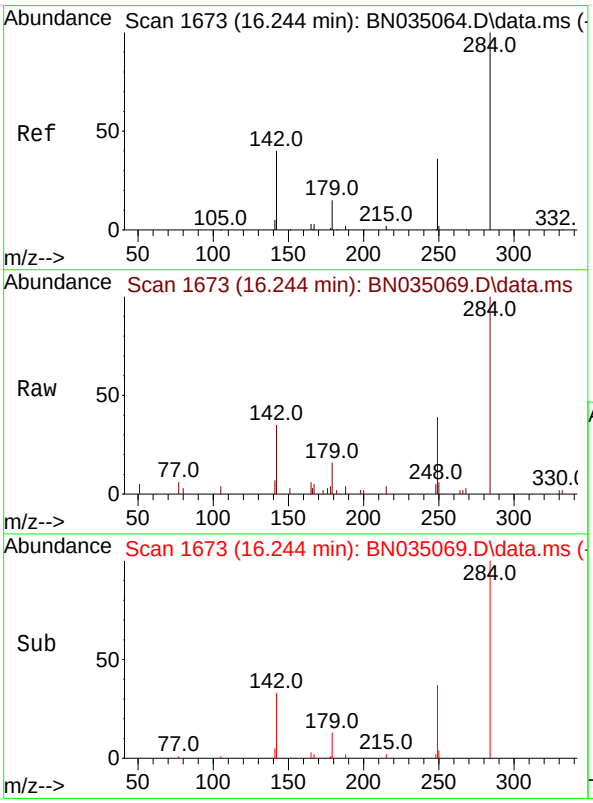
#21
4-Bromophenyl-phenylether
Concen: 0.371 ng
RT: 16.145 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion:248 Resp: 3001

Ion	Ratio	Lower	Upper
248	100		
250	103.6	81.2	121.8
141	34.5	29.1	43.7

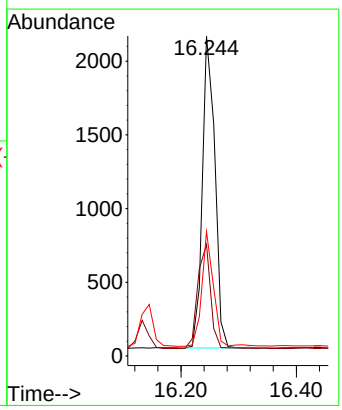


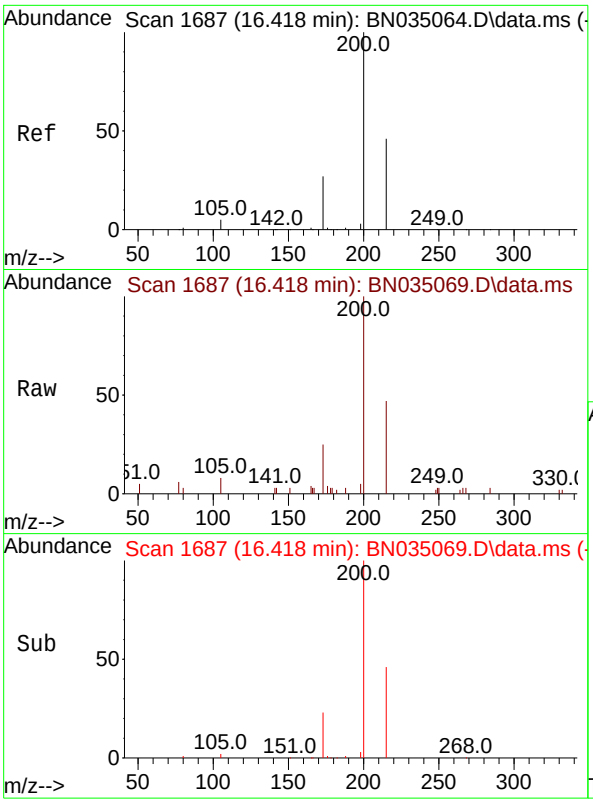


#22
Hexachlorobenzene
Concen: 0.379 ng
RT: 16.244 min Scan# 1673
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:284 Resp: 3175

Ion	Ratio	Lower	Upper
284	100		
142	34.7	28.2	42.4
249	33.7	26.2	39.2



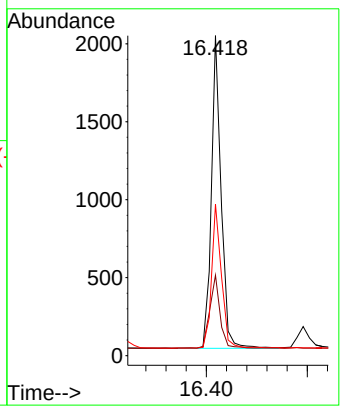


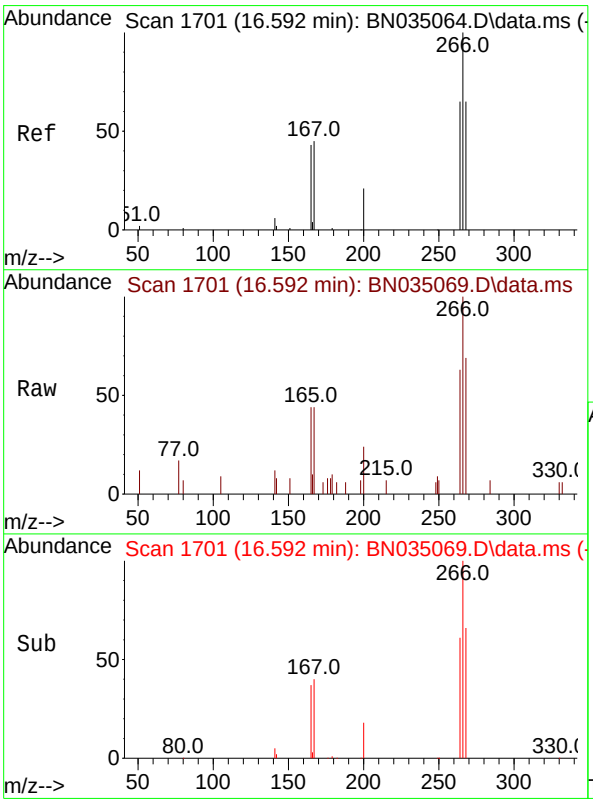
#23
Atrazine
Concen: 0.370 ng
RT: 16.418 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion:200 Resp: 2682

Ion	Ratio	Lower	Upper
200	100		
173	25.1	22.6	33.8
215	47.3	37.8	56.6

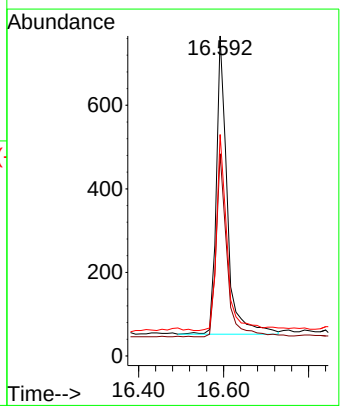


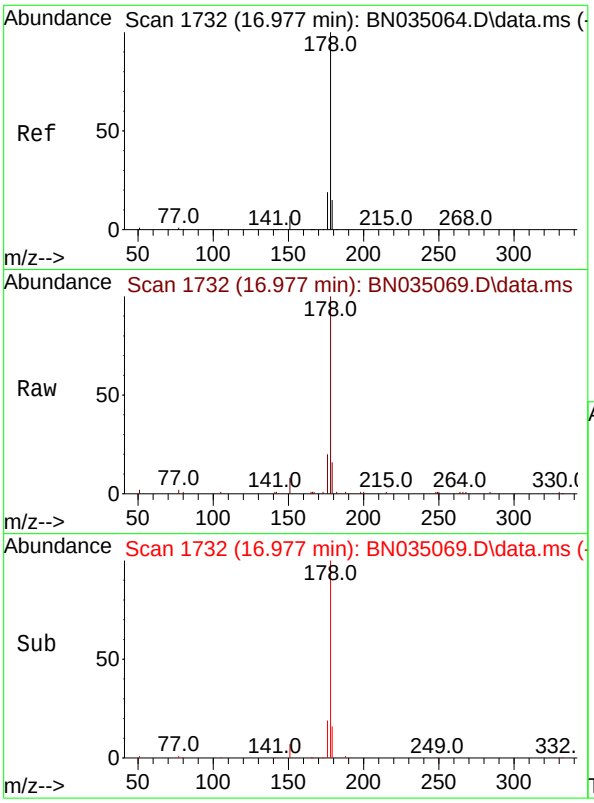


#24
Pentachlorophenol
Concen: 0.324 ng
RT: 16.592 min Scan# 1701
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:266 Resp: 1269

Ion	Ratio	Lower	Upper
266	100		
264	60.5	49.4	74.0
268	63.4	52.6	79.0



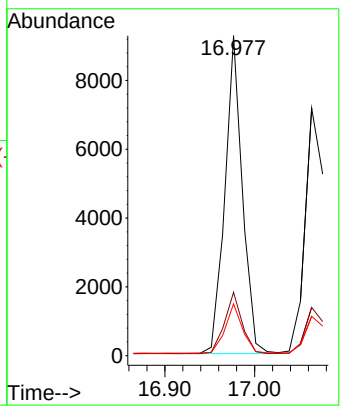


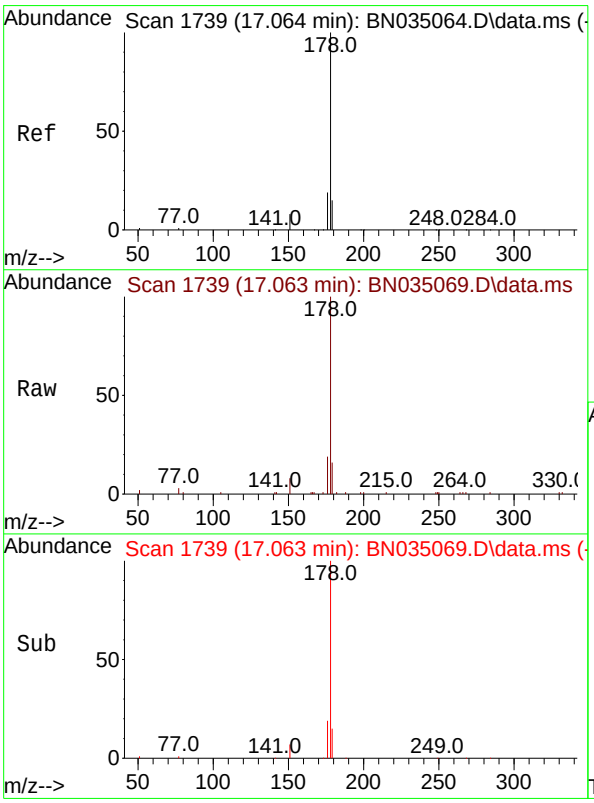
#25
Phenanthrene
Concen: 0.375 ng
RT: 16.977 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion:178 Resp: 12517

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.2	22.8
179	15.6	12.6	18.8

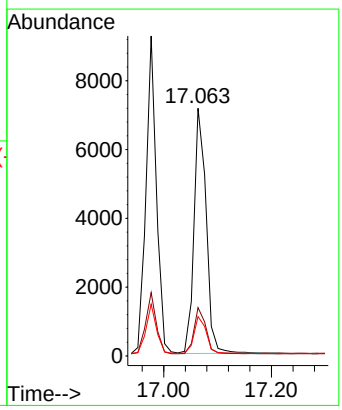


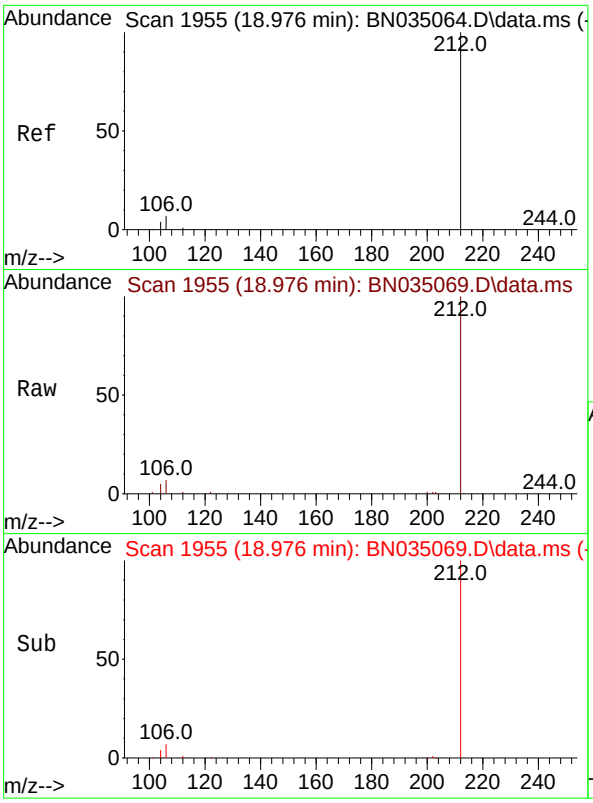


#26
Anthracene
Concen: 0.366 ng
RT: 17.063 min Scan# 1739
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:178 Resp: 11219

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.2	12.2	18.2



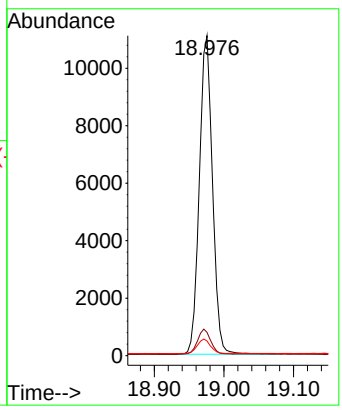


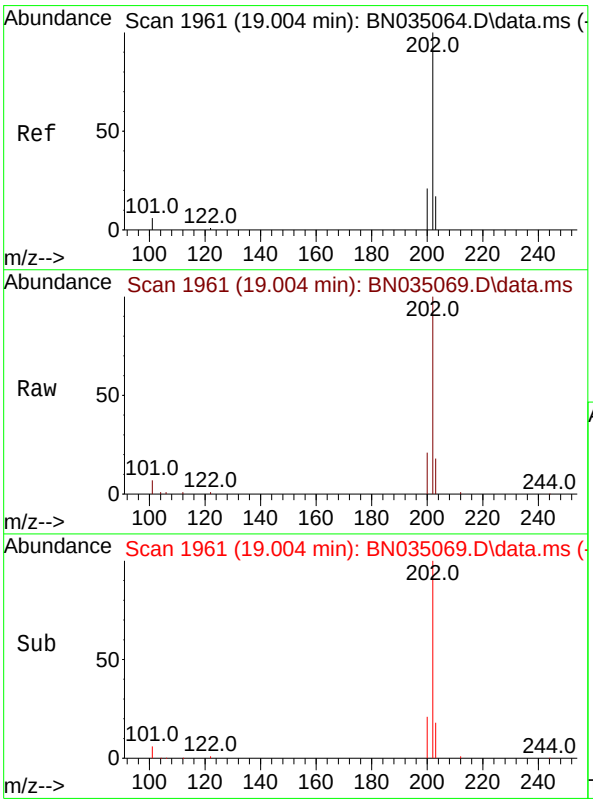
#27
Fluoranthene-d10
Concen: 0.374 ng
RT: 18.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion:212 Resp: 14530

Ion	Ratio	Lower	Upper
212	100		
106	7.8	6.0	9.0
104	4.5	3.5	5.3

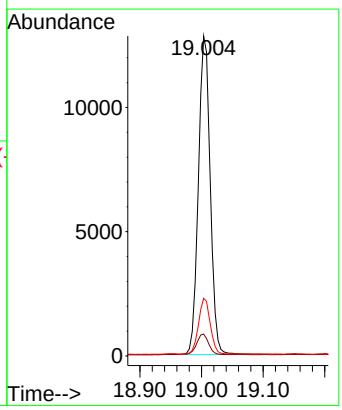


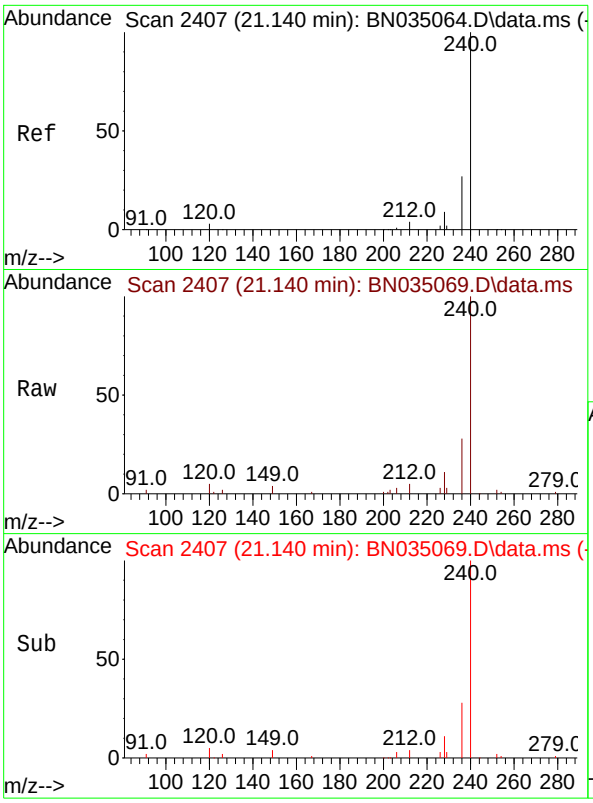


#28
Fluoranthene
Concen: 0.372 ng
RT: 19.004 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:202 Resp: 17084

Ion	Ratio	Lower	Upper
202	100		
101	6.6	5.2	7.8
203	17.3	13.8	20.8



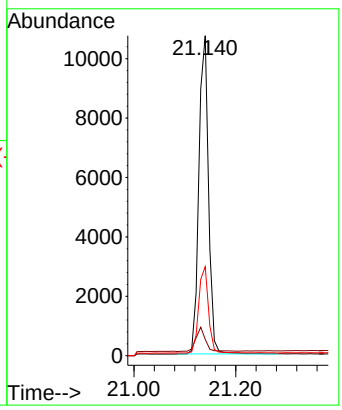


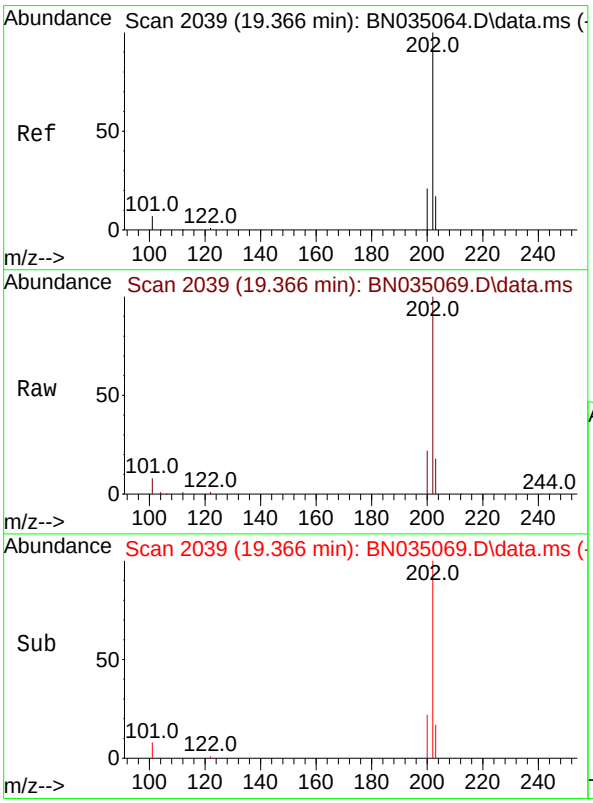
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.140 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion:240 Resp: 14055

Ion	Ratio	Lower	Upper
240	100		
120	5.1	3.8	5.6
236	27.8	22.2	33.2

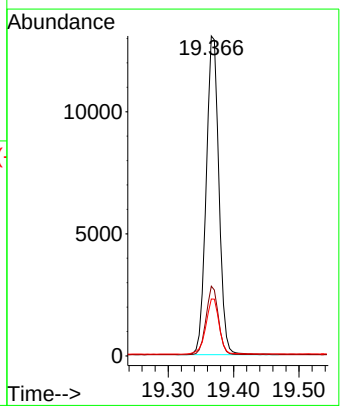


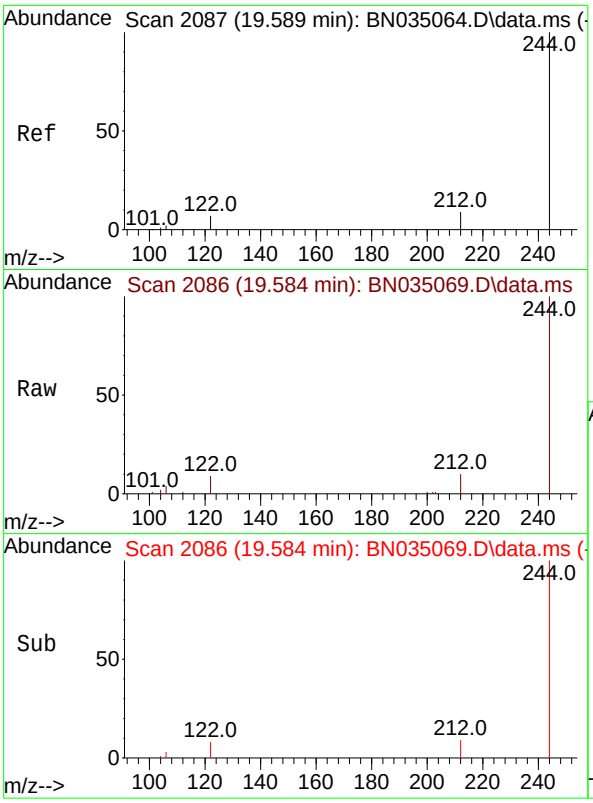


#30
Pyrene
Concen: 0.376 ng
RT: 19.366 min Scan# 2039
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:202 Resp: 17580

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	18.1	14.2	21.4



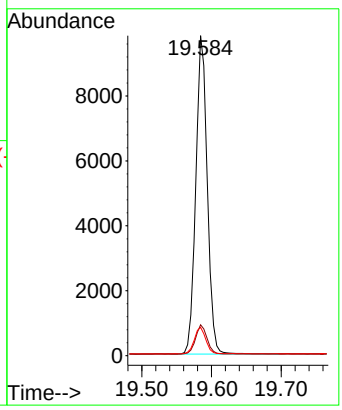


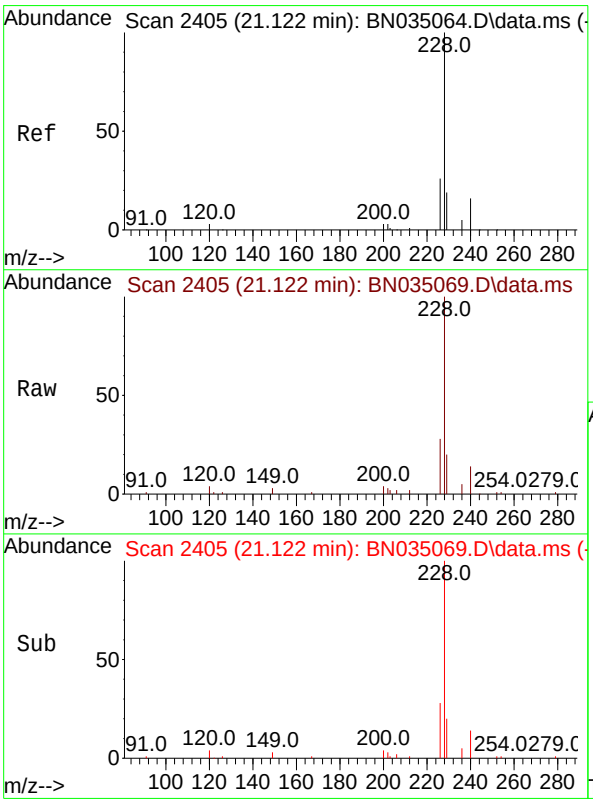
#31
Terphenyl-d14
Concen: 0.381 ng
RT: 19.584 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion:244 Resp: 11240

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.6	11.4
122	8.9	6.1	9.1

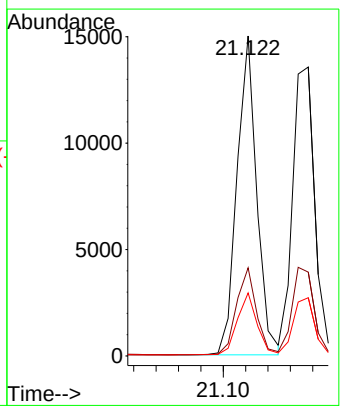


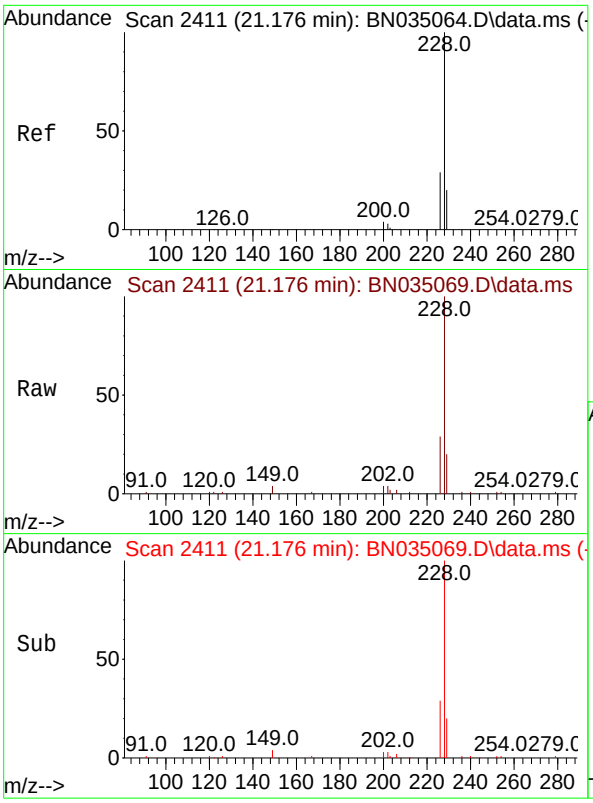


#32
Benzo(a)anthracene
Concen: 0.376 ng
RT: 21.122 min Scan# 2405
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:228 Resp: 18406

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.4	32.0
229	19.7	15.7	23.5



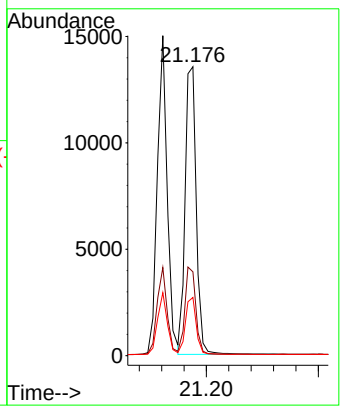


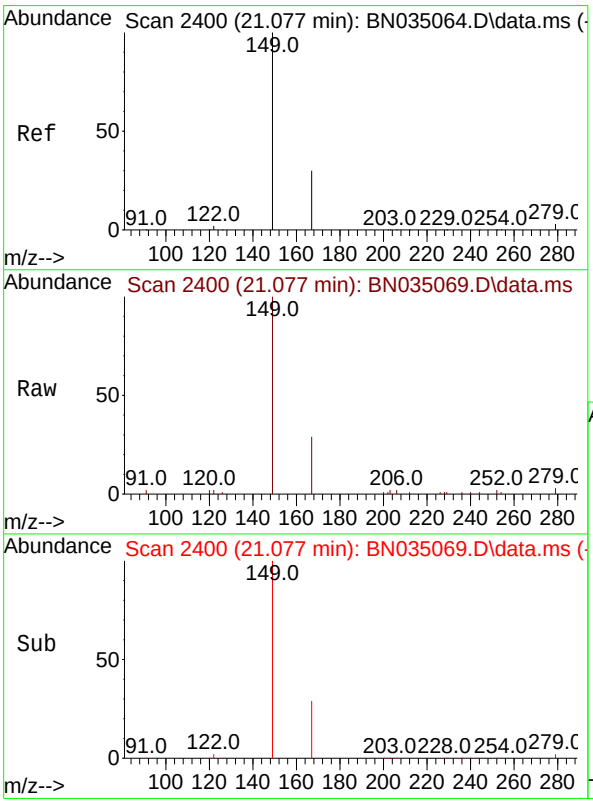
#33
Chrysene
Concen: 0.386 ng
RT: 21.176 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion:228 Resp: 18693

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.7	35.5
229	20.2	16.2	24.4

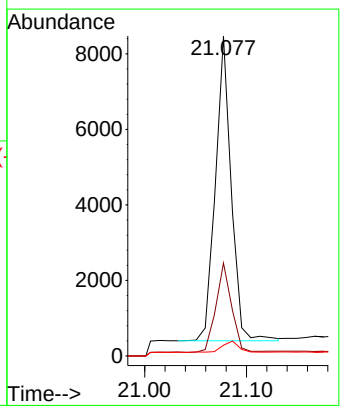


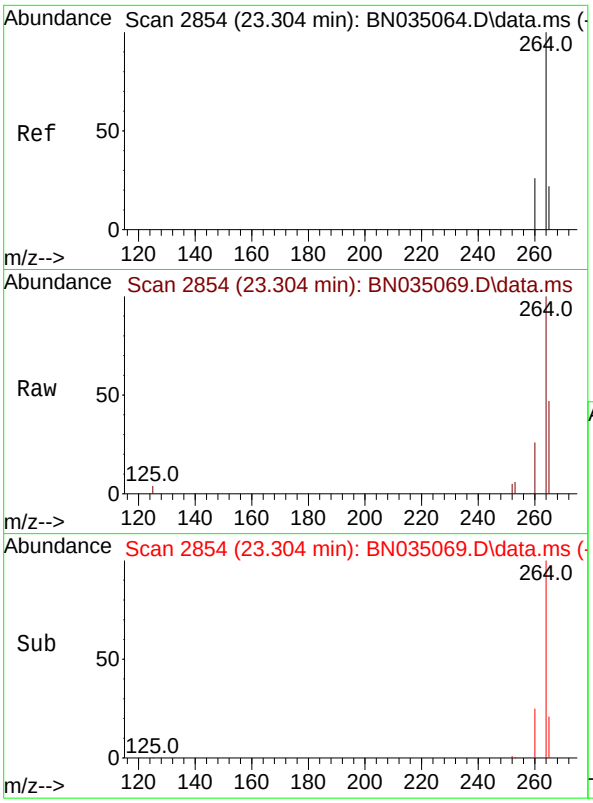


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.338 ng
RT: 21.077 min Scan# 2400
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:149 Resp: 8691

Ion	Ratio	Lower	Upper
149	100		
167	29.0	23.2	34.8
279	3.9	3.2	4.8



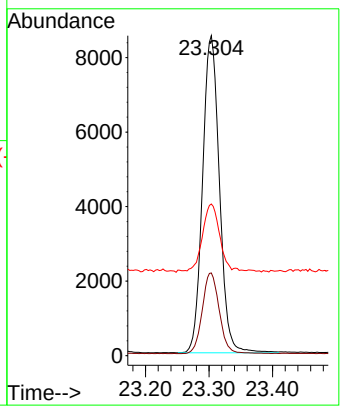


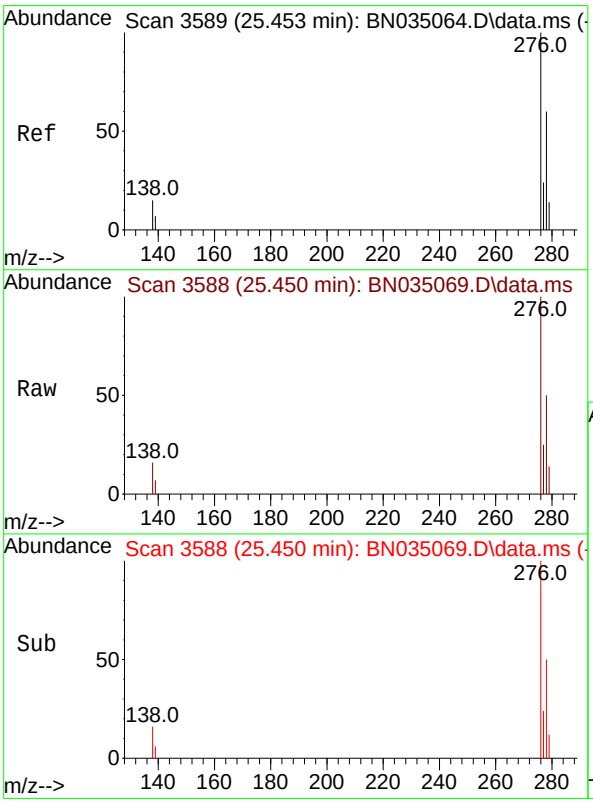
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.304 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion:264 Resp: 15724

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.9	31.3
265	47.4	35.4	53.2

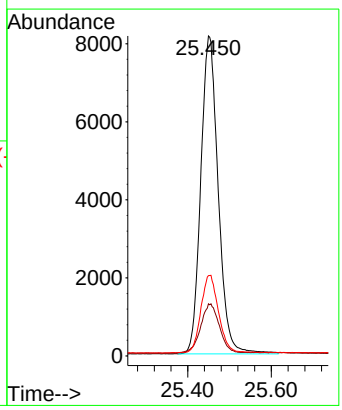


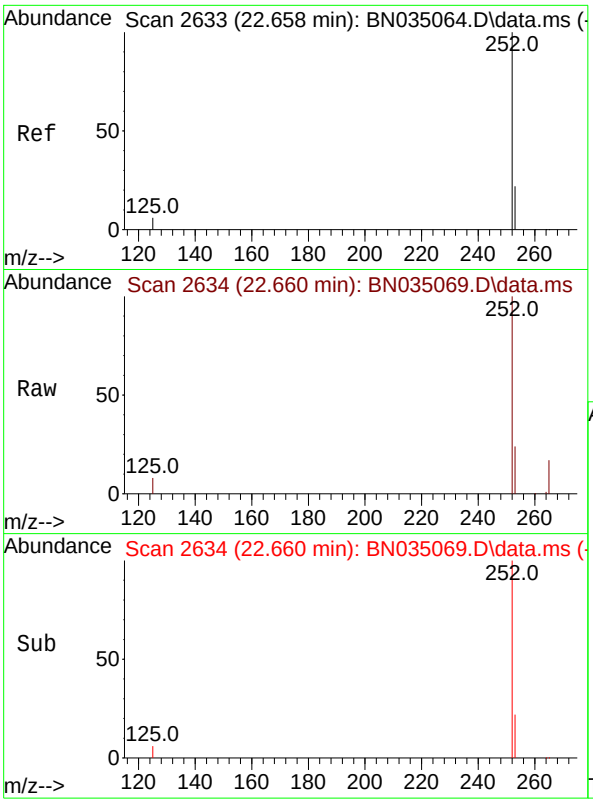


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.375 ng
RT: 25.450 min Scan# 3588
Delta R.T. -0.003 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:276 Resp: 23546

Ion	Ratio	Lower	Upper
276	100		
138	16.9	13.0	19.4
277	24.2	19.8	29.6



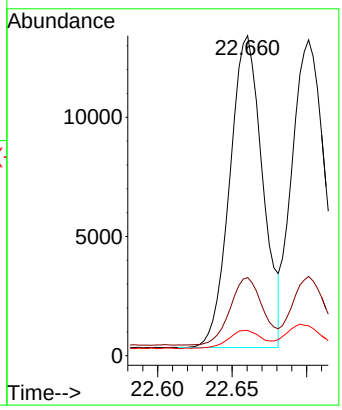


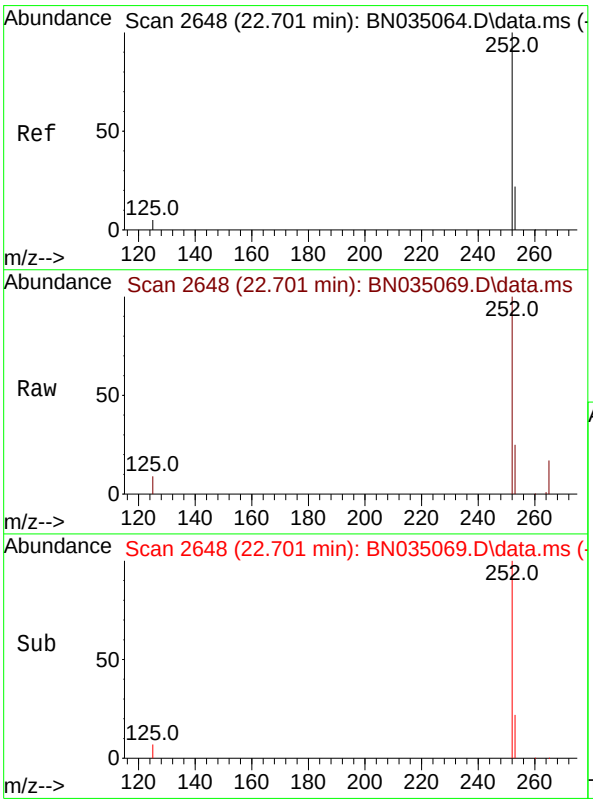
#37
Benzo(b)fluoranthene
Concen: 0.379 ng
RT: 22.660 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion:252 Resp: 20039

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.3	28.9
125	7.9	6.2	9.2

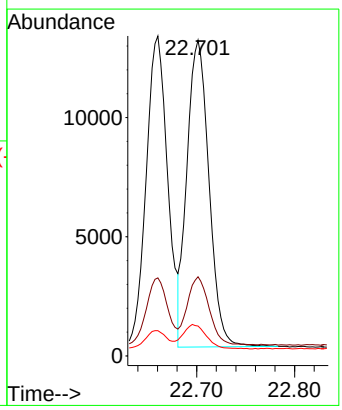


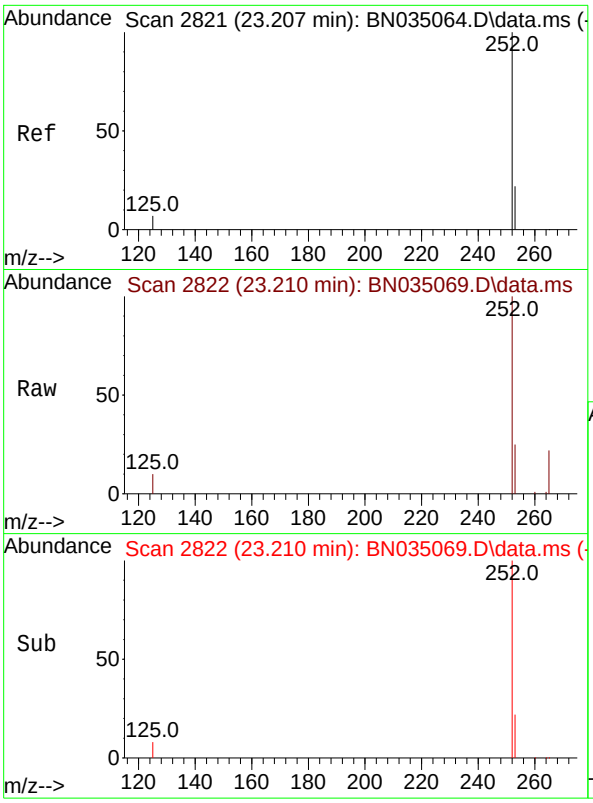


#38
Benzo(k)fluoranthene
Concen: 0.380 ng
RT: 22.701 min Scan# 2648
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:252 Resp: 20114

Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.5	29.3
125	9.5	6.5	9.7



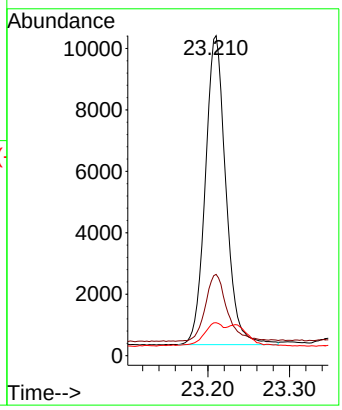


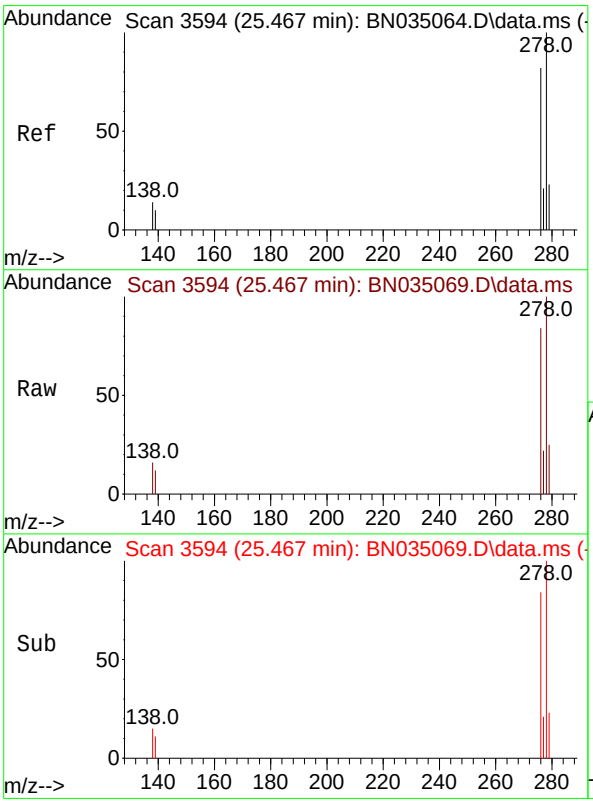
#39
Benzo(a)pyrene
Concen: 0.378 ng
RT: 23.210 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion:252 Resp: 17596

Ion	Ratio	Lower	Upper
252	100		
253	25.4	20.1	30.1
125	10.3	7.5	11.3

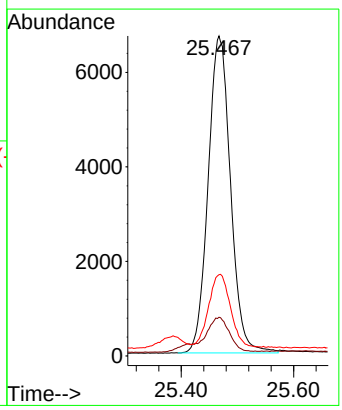


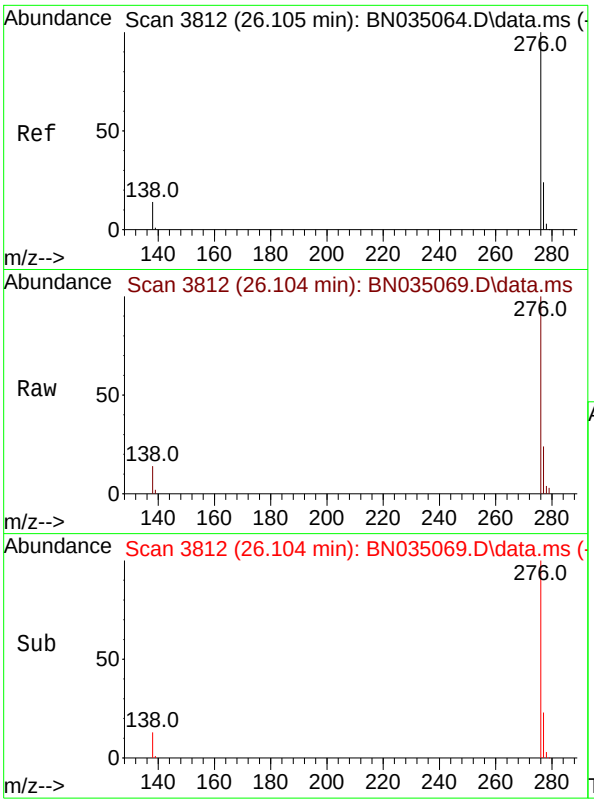


#40
Dibenzo(a,h)anthracene
Concen: 0.373 ng
RT: 25.467 min Scan# 3594
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Tgt Ion:278 Resp: 18547

Ion	Ratio	Lower	Upper
278	100		
139	12.1	9.3	13.9
279	25.4	19.7	29.5



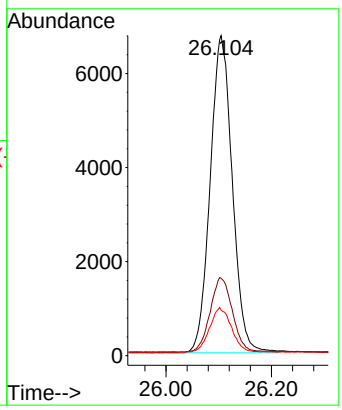


#41
Benzo(g,h,i)perylene
Concen: 0.372 ng
RT: 26.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN035069.D
Acq: 13 Nov 2024 16:51

Instrument :
BNA_N
ClientSampleId :
ICVBN111324

Tgt Ion:276 Resp: 19649

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.9	29.9
138	14.3	11.6	17.4



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035219.D
Acq On : 21 Nov 2024 13:22
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Nov 21 14:33:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

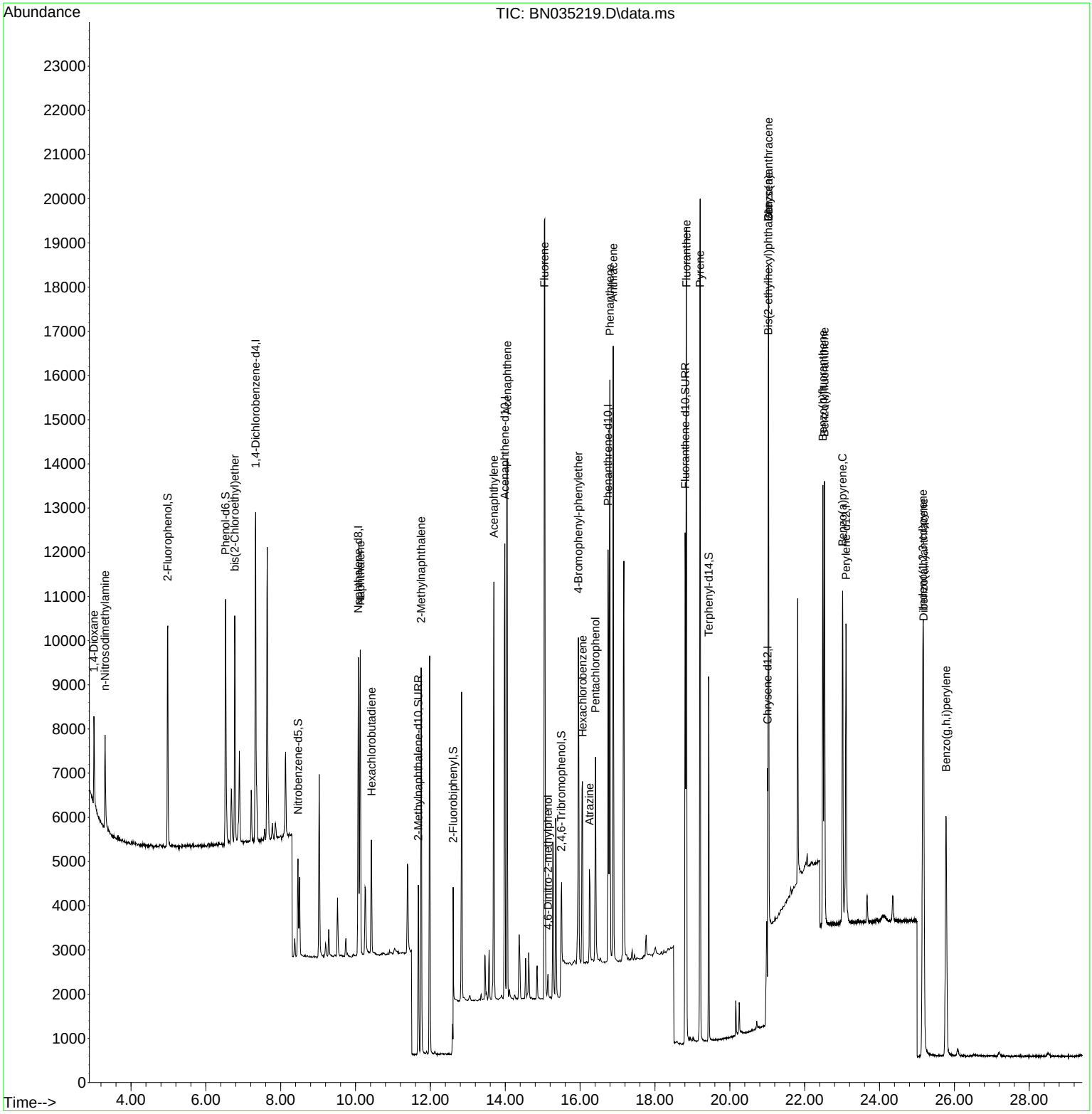
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.329	152	3553	0.400	ng		0.00
7) Naphthalene-d8	10.073	136	8594	0.400	ng	#	0.00
13) Acenaphthene-d10	13.987	164	5839	0.400	ng		0.00
19) Phenanthrene-d10	16.746	188	13132	0.400	ng	#	0.00
29) Chrysene-d12	21.008	240	2179	0.400	ng	#	0.00
35) Perylene-d12	23.104	264	7936	0.400	ng	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.982	112	4170	0.462	ng		0.00
5) Phenol-d6	6.528	99	5231	0.463	ng		0.00
8) Nitrobenzene-d5	8.461	82	2473	0.331	ng		0.00
11) 2-Methylnaphthalene-d10	11.678	152	5187	0.339	ng		0.00
14) 2,4,6-Tribromophenol	15.494	330	1931	0.458	ng		0.00
15) 2-Fluorobiphenyl	12.608	172	1744	0.074	ng		0.00
27) Fluoranthene-d10	18.806	212	12553	0.312	ng		0.00
31) Terphenyl-d14	19.438	244	7908	1.730	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.011	88	1431	0.443	ng	#	85
3) n-Nitrosodimethylamine	3.307	42	1242	0.413	ng	#	97
6) bis(2-Chloroethyl)ether	6.773	93	3817	0.450	ng		95
9) Naphthalene	10.127	128	8813	0.393	ng		99
10) Hexachlorobutadiene	10.426	225	2134	0.324	ng	#	100
12) 2-Methylnaphthalene	11.754	142	6233	0.377	ng		97
16) Acenaphthylene	13.698	152	10404	0.417	ng		99
17) Acenaphthene	14.051	154	6430	0.393	ng		99
18) Fluorene	15.045	166	8973	0.373	ng		99
20) 4,6-Dinitro-2-methylph...	15.142	198	427	0.156	ng	#	31
21) 4-Bromophenyl-phenylether	15.952	248	3185	0.381	ng	#	73
22) Hexachlorobenzene	16.064	284	3749	0.432	ng		96
23) Atrazine	16.250	200	1902	0.253	ng	#	94
24) Pentachlorophenol	16.411	266	2236	0.551	ng		98
25) Phenanthrene	16.796	178	13999	0.405	ng		99
26) Anthracene	16.883	178	13479	0.425	ng		99
28) Fluoranthene	18.839	202	16410	0.345	ng	#	97
30) Pyrene	19.206	202	16732	2.306	ng		100
32) Benzo(a)anthracene	21.035	228	12666	1.669	ng		95
33) Chrysene	21.035	228	12666	1.685	ng		98
34) Bis(2-ethylhexyl)phtha...	21.026	149	1204	0.302	ng	#	93
36) Indeno(1,2,3-cd)pyrene	25.157	276	12159	0.384	ng	#	90
37) Benzo(b)fluoranthene	22.487	252	11451	0.429	ng	#	95
38) Benzo(k)fluoranthene	22.528	252	11422	0.428	ng	#	95
39) Benzo(a)pyrene	23.014	252	9865	0.420	ng	#	94
40) Dibenzo(a,h)anthracene	25.177	278	9332	0.372	ng	#	89
41) Benzo(g,h,i)perylene	25.776	276	10046	0.377	ng	#	89

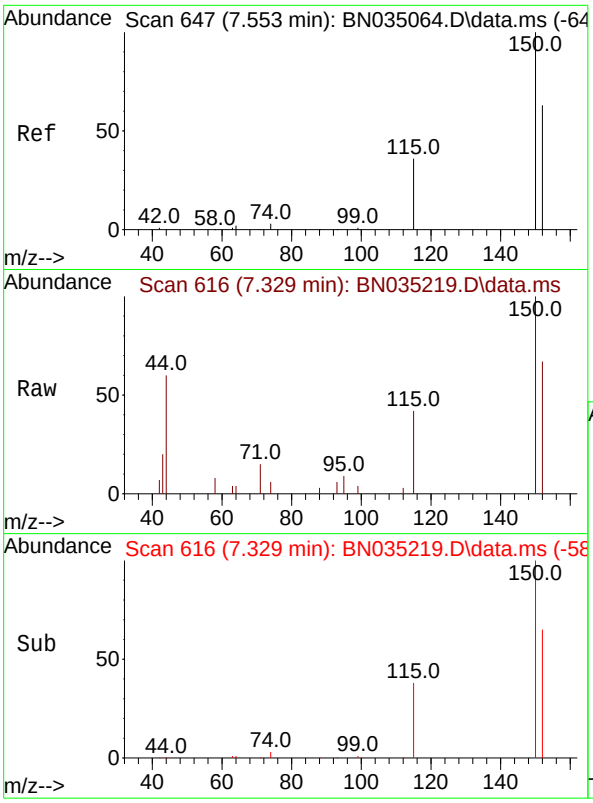
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035219.D
Acq On : 21 Nov 2024 13:22
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Nov 21 14:33:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration



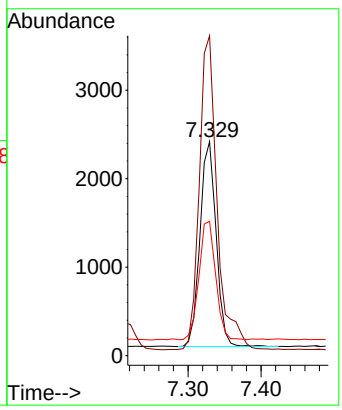


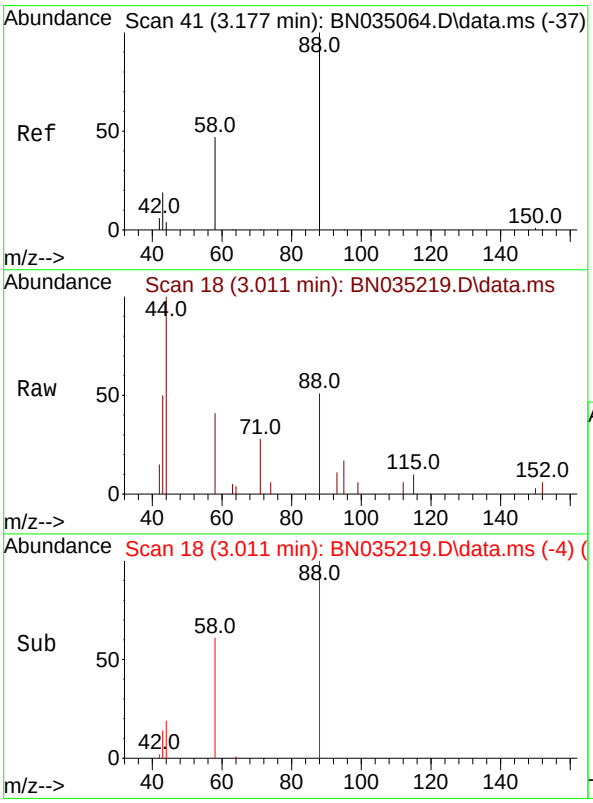
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.329 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3553

Ion	Ratio	Lower	Upper
152	100		
150	149.5	124.5	186.7
115	62.8	47.8	71.6

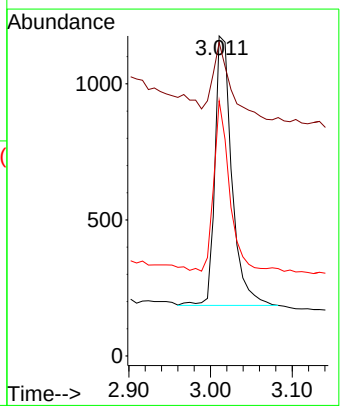


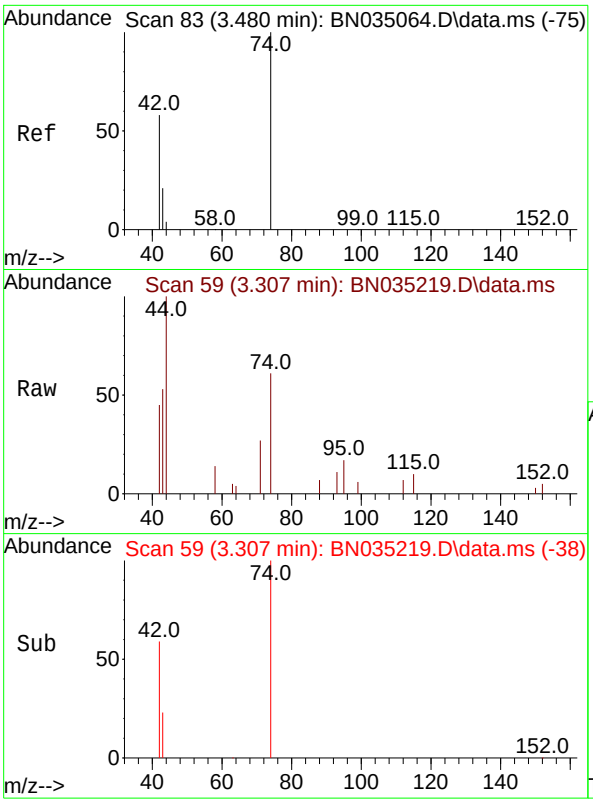


#2
1,4-Dioxane
Concen: 0.443 ng
RT: 3.011 min Scan# 18
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion: 88 Resp: 1431

Ion	Ratio	Lower	Upper
88	100		
43	30.7	16.9	25.3#
58	57.5	39.0	58.4



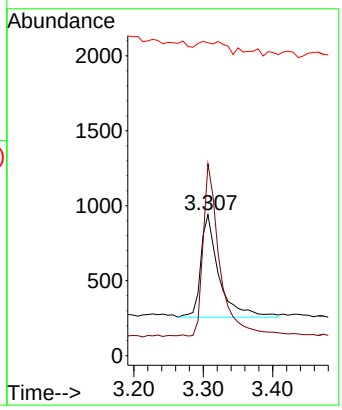


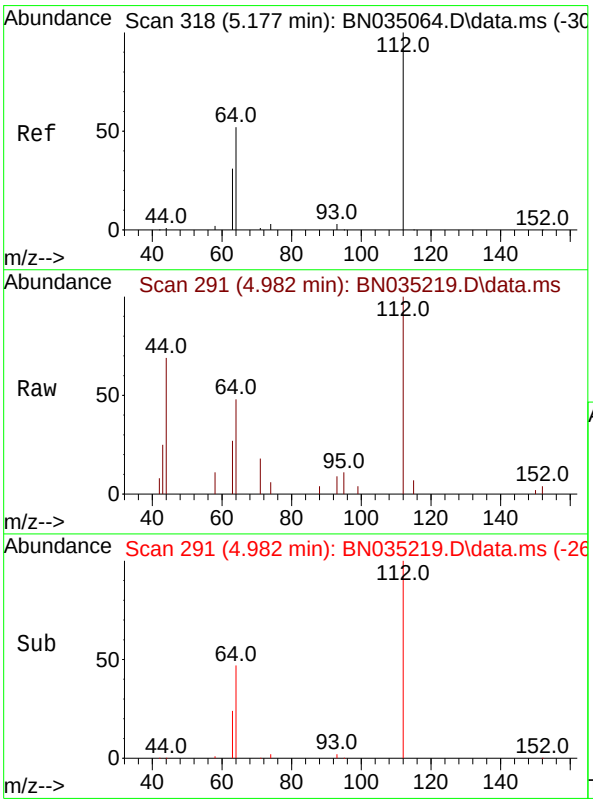
#3
n-Nitrosodimethylamine
Concen: 0.413 ng
RT: 3.307 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1242

Ion	Ratio	Lower	Upper
42	100		
74	153.3	120.8	181.2
44	18.3	2.9	4.3#

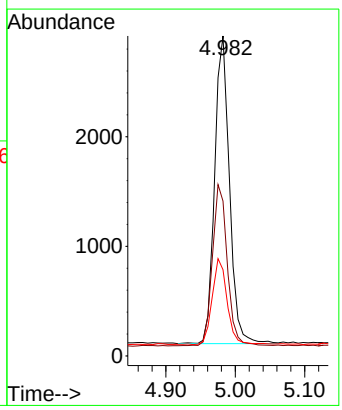


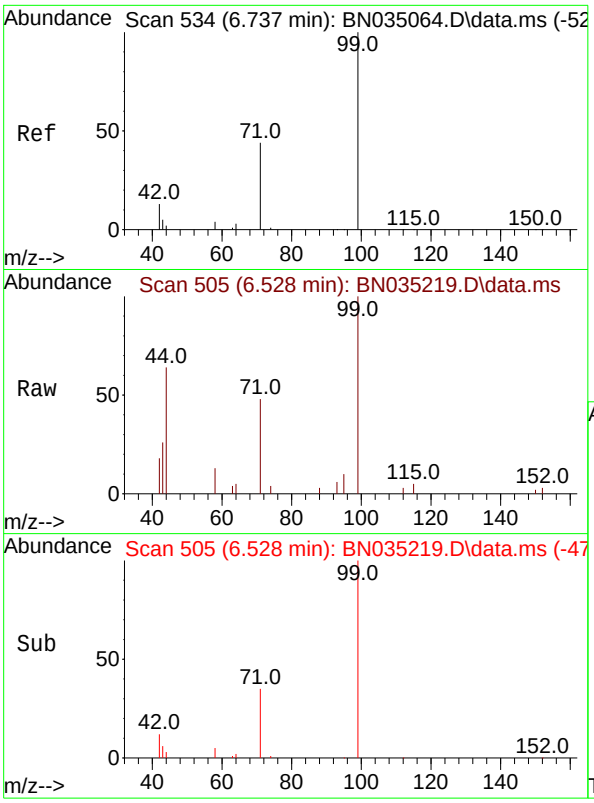


#4
2-Fluorophenol
Concen: 0.462 ng
RT: 4.982 min Scan# 291
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:112 Resp: 4170

Ion	Ratio	Lower	Upper
112	100		
64	52.4	39.7	59.5
63	27.9	23.0	34.4



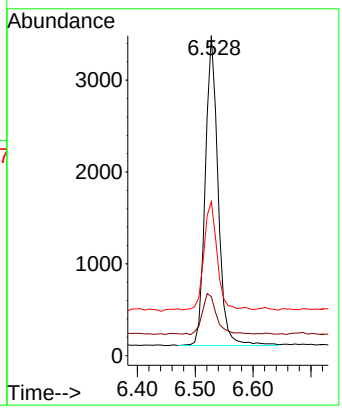


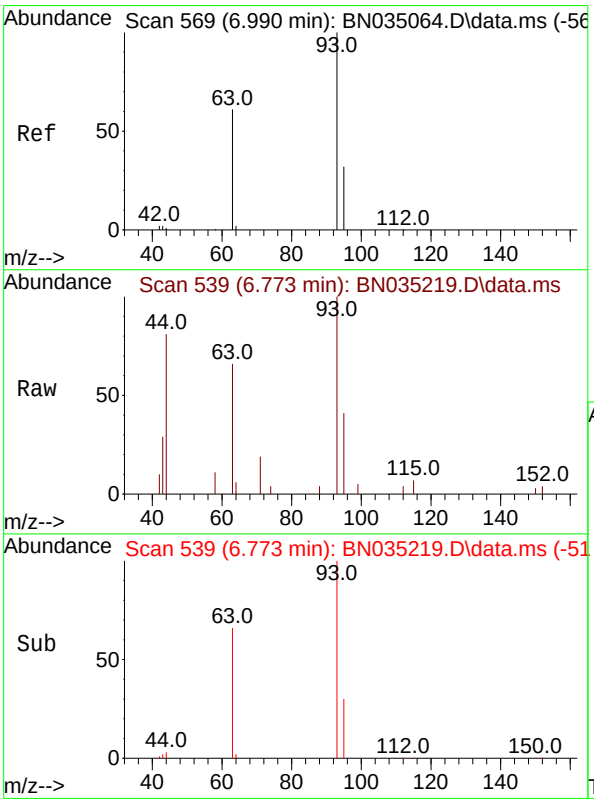
#5
Phenol-d6
Concen: 0.463 ng
RT: 6.528 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 5231

Ion	Ratio	Lower	Upper
99	100		
42	14.2	11.4	17.0
71	37.0	34.6	51.8

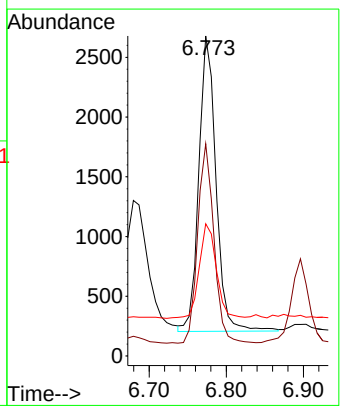


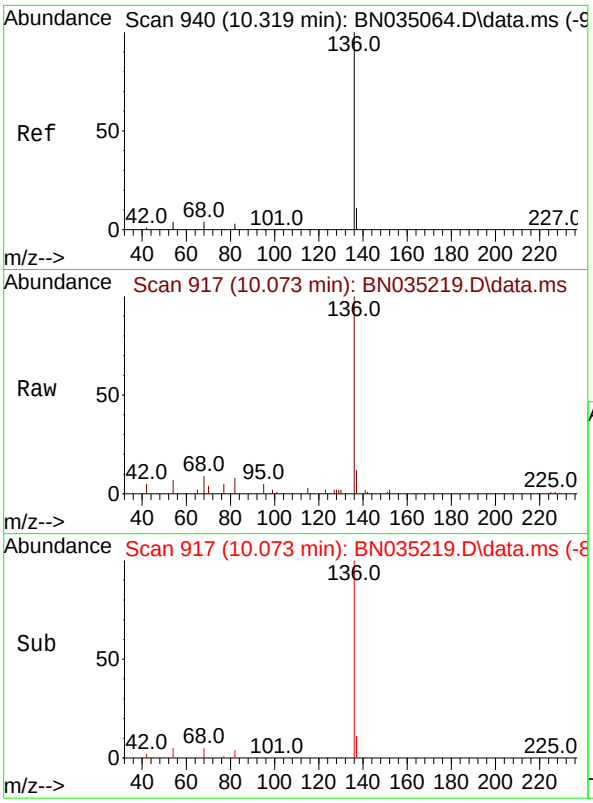


#6
bis(2-Chloroethyl)ether
Concen: 0.450 ng
RT: 6.773 min Scan# 539
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion: 93 Resp: 3817

Ion	Ratio	Lower	Upper
93	100		
63	63.9	47.4	71.2
95	31.9	26.2	39.4



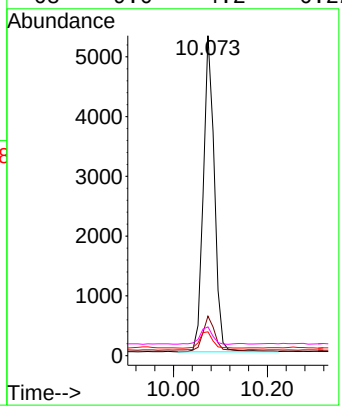


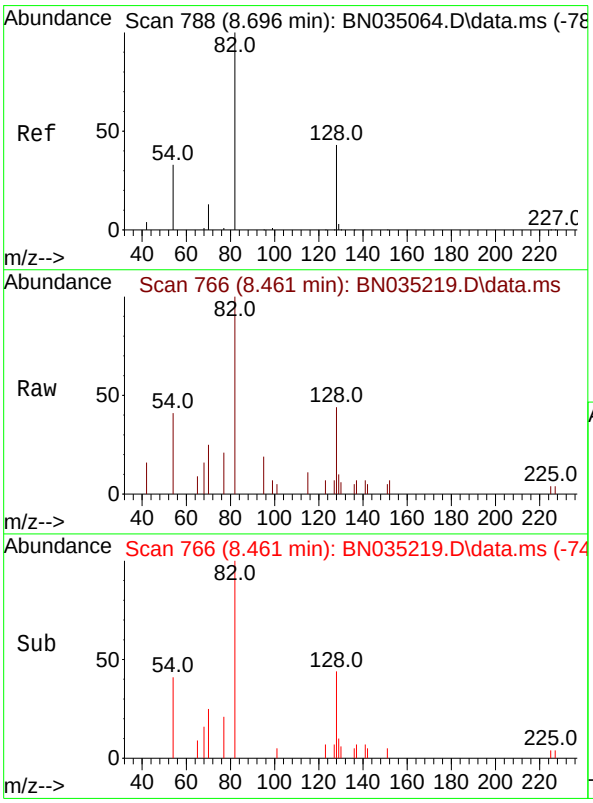
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.073 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 8594

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.8	14.8
54	7.4	4.0	6.0#
68	9.0	4.2	6.2#

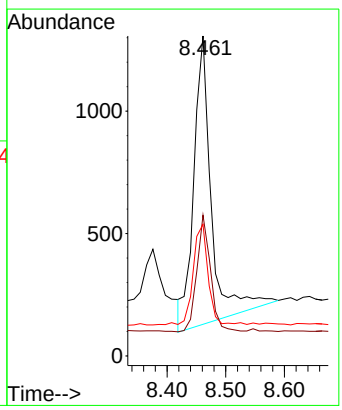


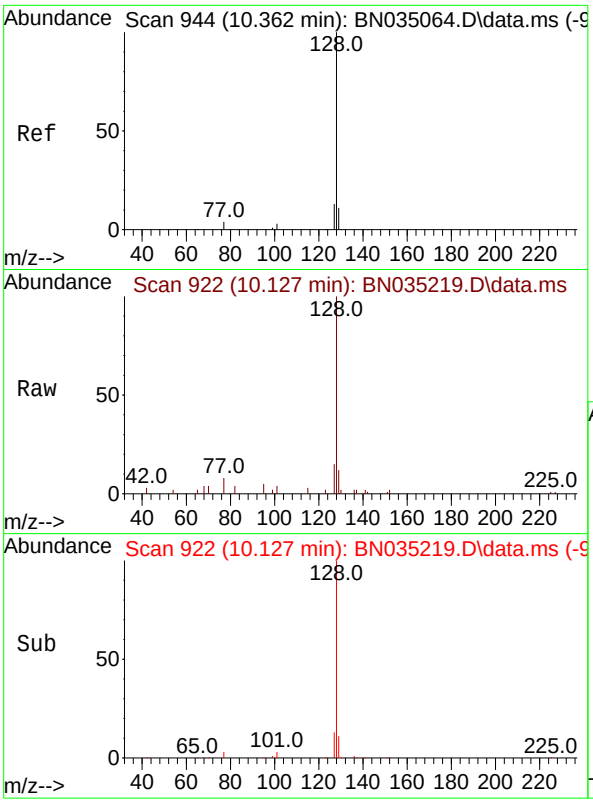


#8
Nitrobenzene-d5
Concen: 0.331 ng
RT: 8.461 min Scan# 766
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion: 82 Resp: 2473

Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.5	54.7
54	41.2	28.7	43.1



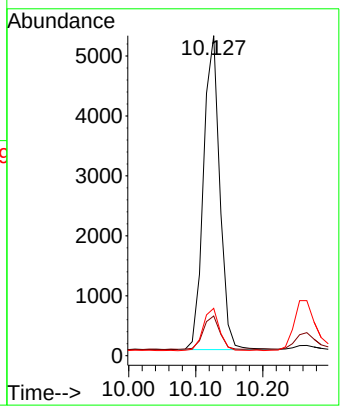


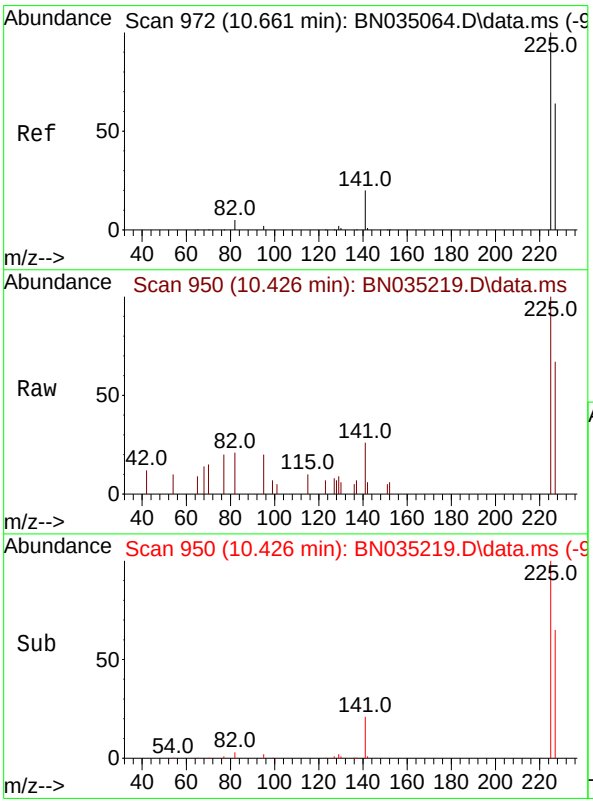
#9
Naphthalene
Concen: 0.393 ng
RT: 10.127 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 8813

Ion	Ratio	Lower	Upper
128	100		
129	12.4	9.6	14.4
127	14.8	11.6	17.4

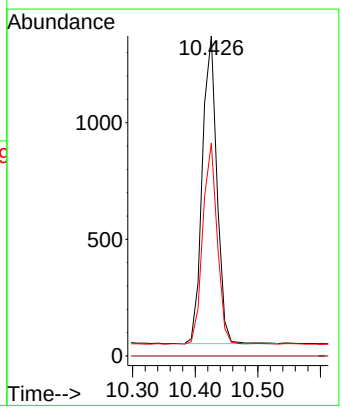


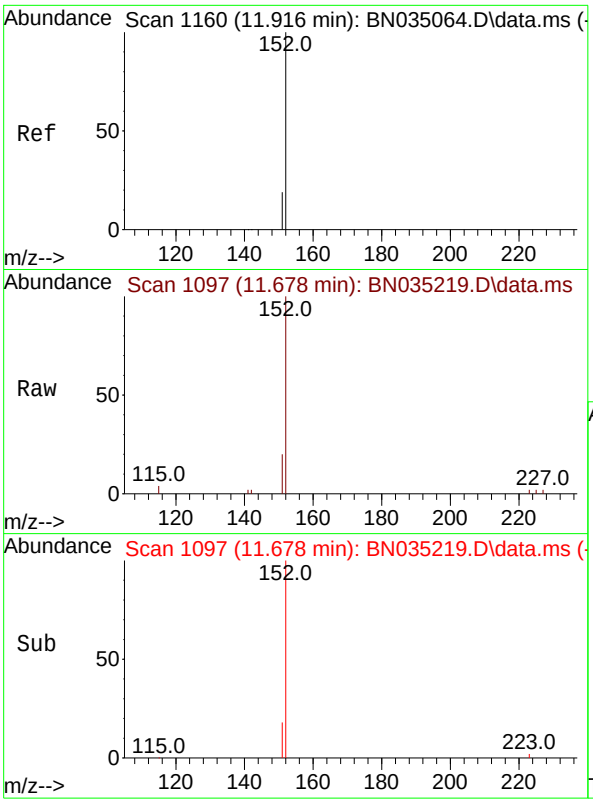


#10
Hexachlorobutadiene
Concen: 0.324 ng
RT: 10.426 min Scan# 950
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:225 Resp: 2134

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	51.5	77.3



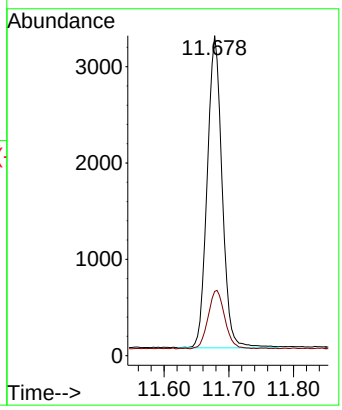


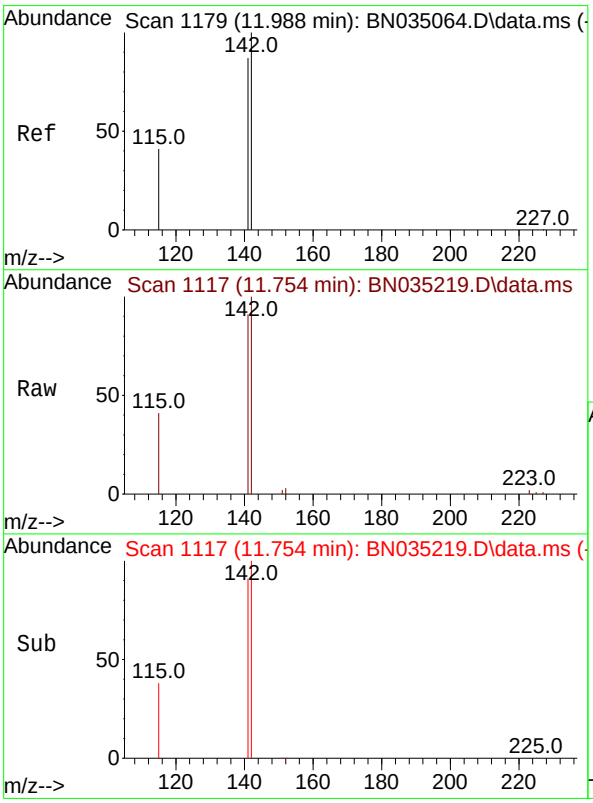
#11
2-Methylnaphthalene-d10
Concen: 0.339 ng
RT: 11.678 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 5187

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.2	24.4

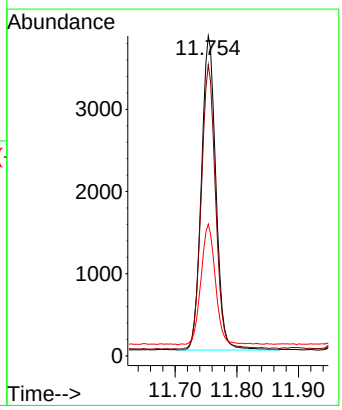


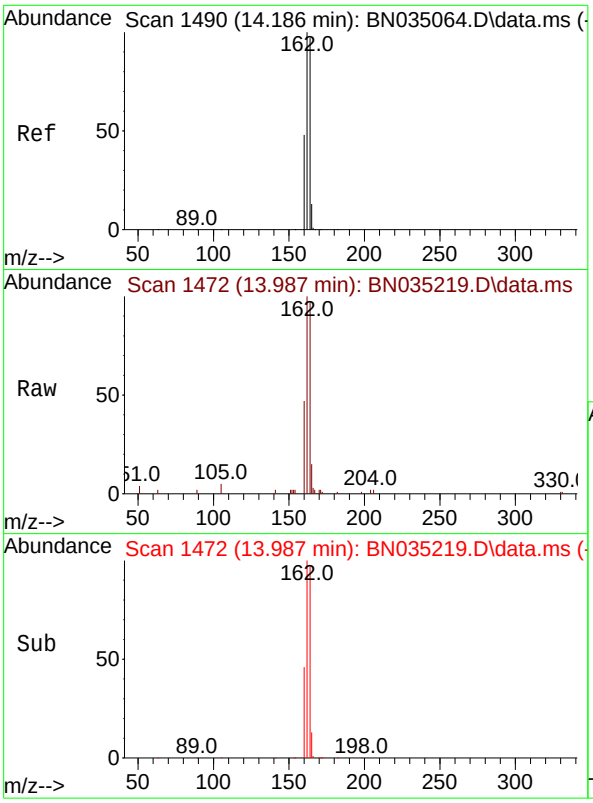


#12
2-Methylnaphthalene
Concen: 0.377 ng
RT: 11.754 min Scan# 1117
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:142 Resp: 6233

Ion	Ratio	Lower	Upper
142	100		
141	91.0	70.1	105.1
115	41.2	34.4	51.6



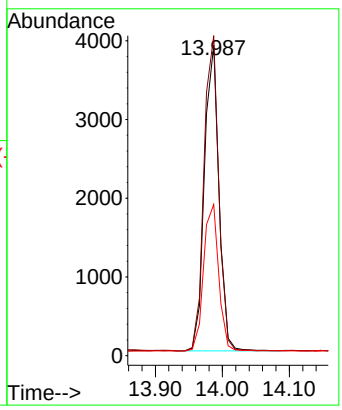


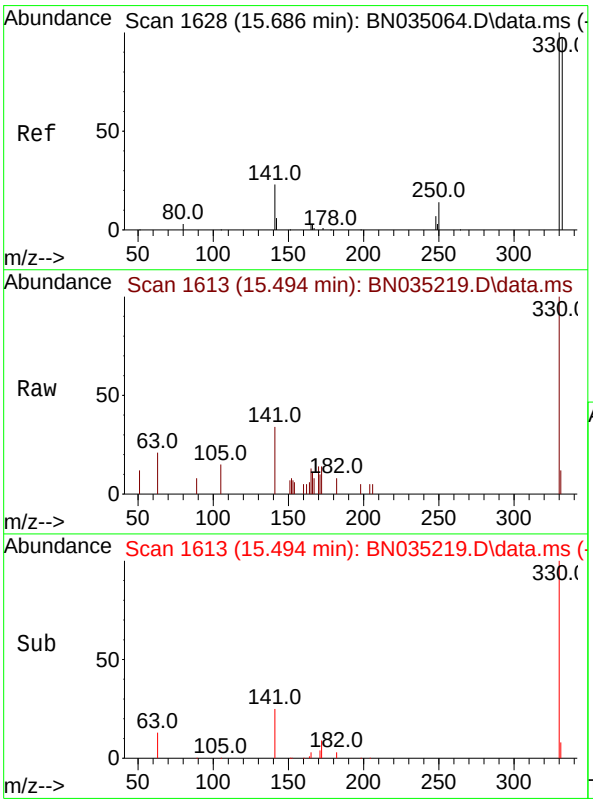
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.987 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 5839

Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.2	123.2
160	48.7	40.2	60.4

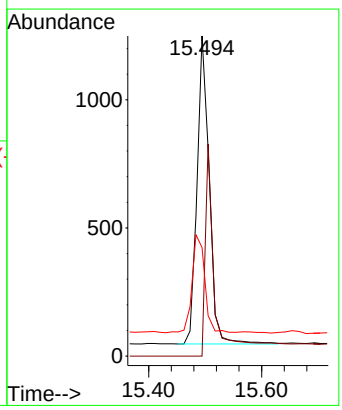


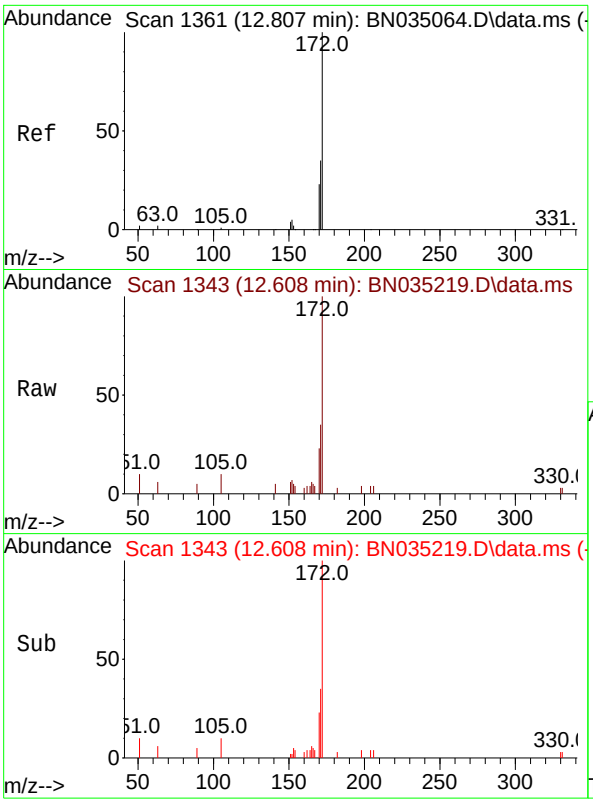


#14
2,4,6-Tribromophenol
Concen: 0.458 ng
RT: 15.494 min Scan# 1613
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:330 Resp: 1931

Ion	Ratio	Lower	Upper
330	100		
332	57.9	76.9	115.3#
141	0.0	29.6	44.4#



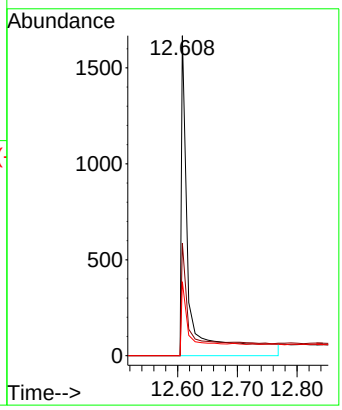


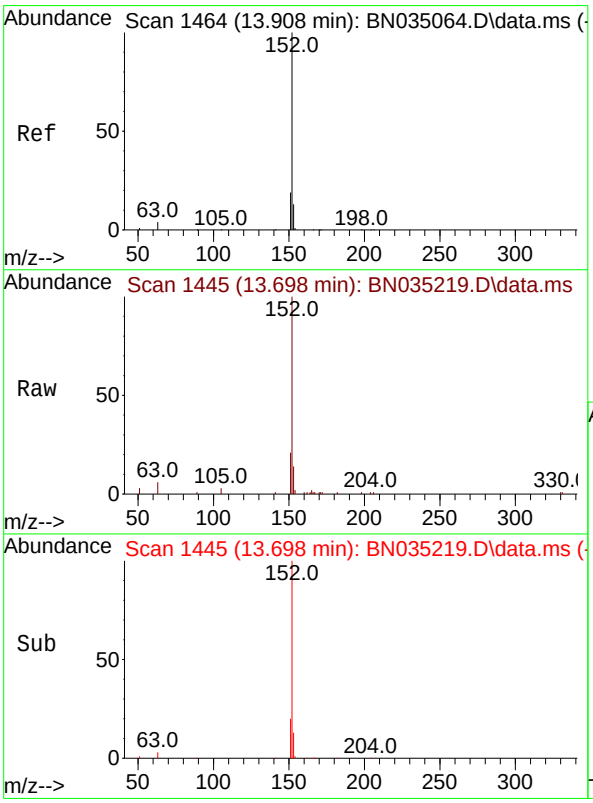
#15
2-Fluorobiphenyl
Concen: 0.074 ng
RT: 12.608 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 1744

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	23.1	19.0	28.6

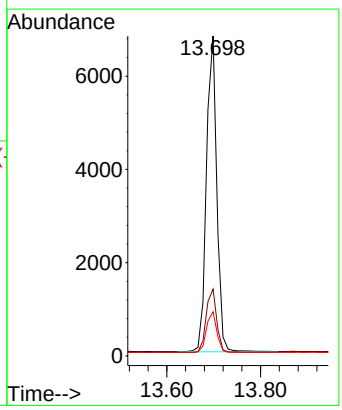


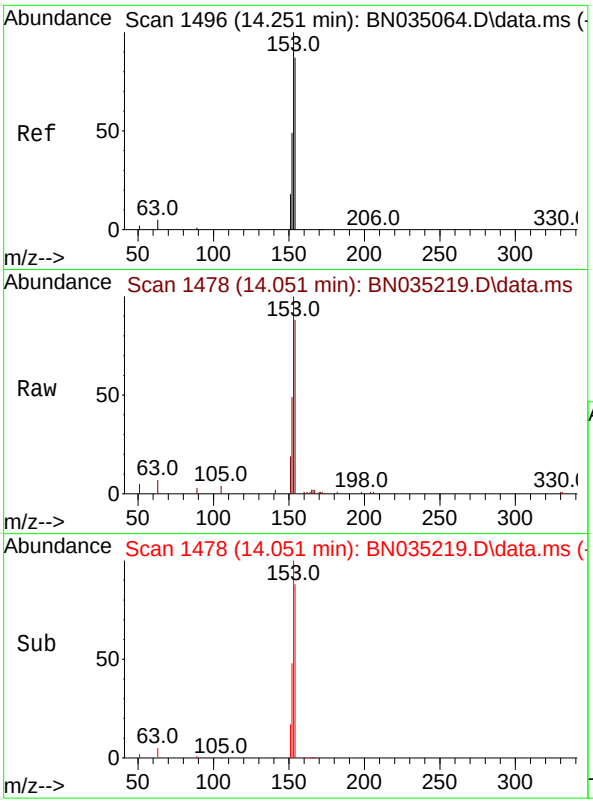


#16
Acenaphthylene
Concen: 0.417 ng
RT: 13.698 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:152 Resp: 10404

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.8
153	12.8	10.2	15.4



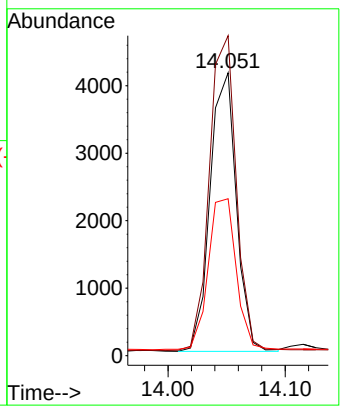


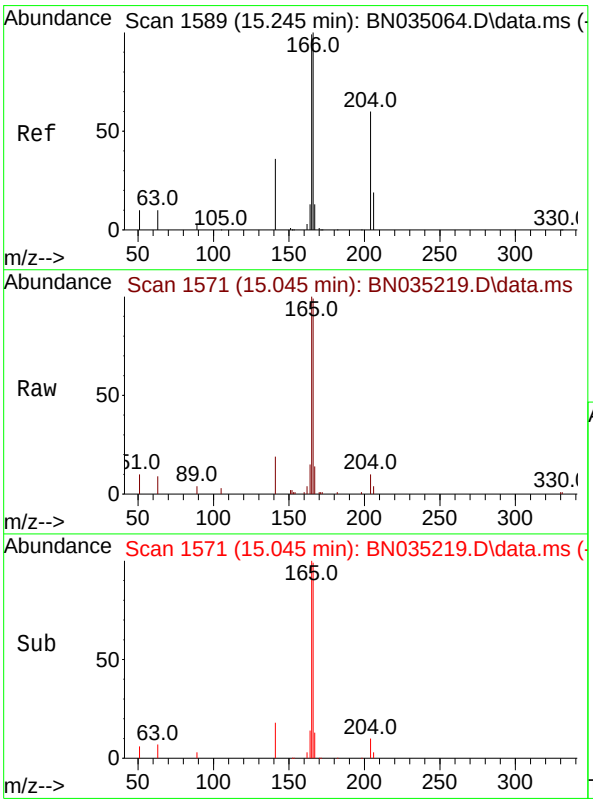
#17
Acenaphthene
Concen: 0.393 ng
RT: 14.051 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 6430

Ion	Ratio	Lower	Upper
154	100		
153	115.4	91.6	137.4
152	58.0	45.8	68.6

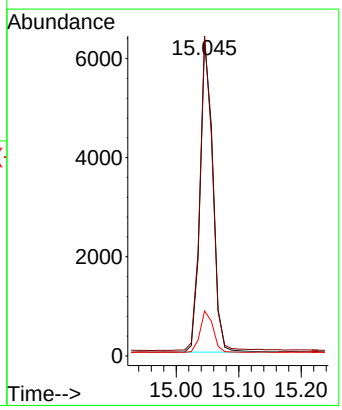


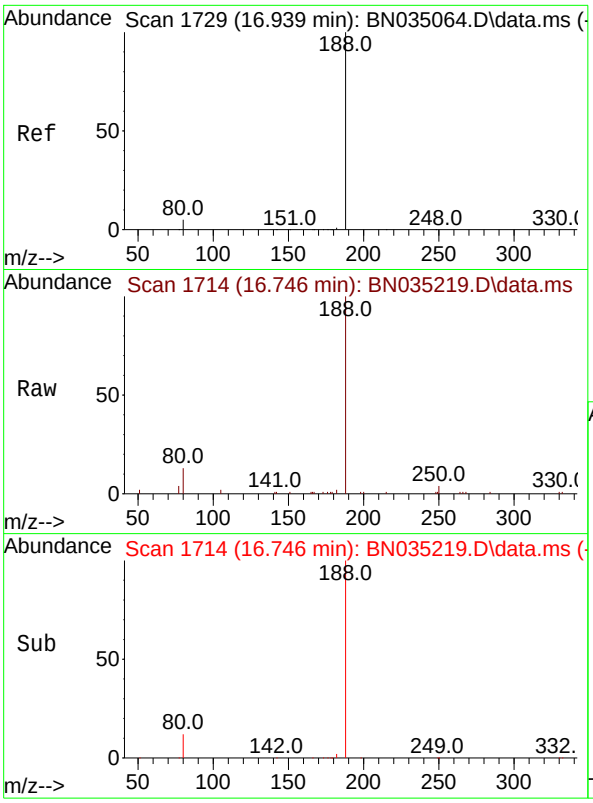


#18
Fluorene
Concen: 0.373 ng
RT: 15.045 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:166 Resp: 8973

Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.1	118.7
167	13.4	10.6	16.0



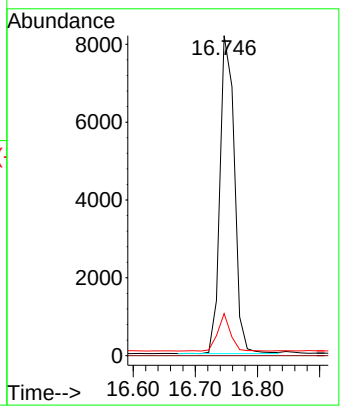


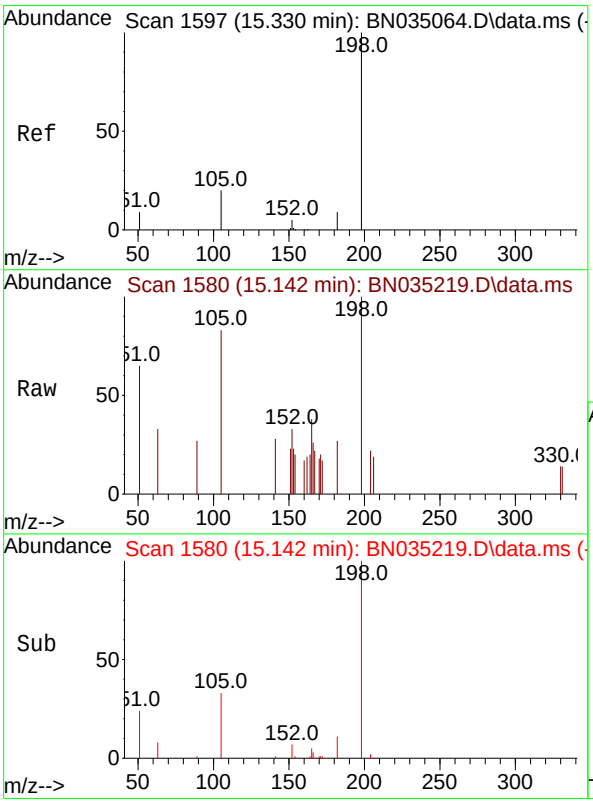
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.746 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 13132

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.2	4.3	6.5#

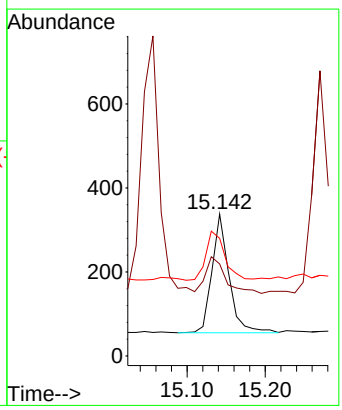


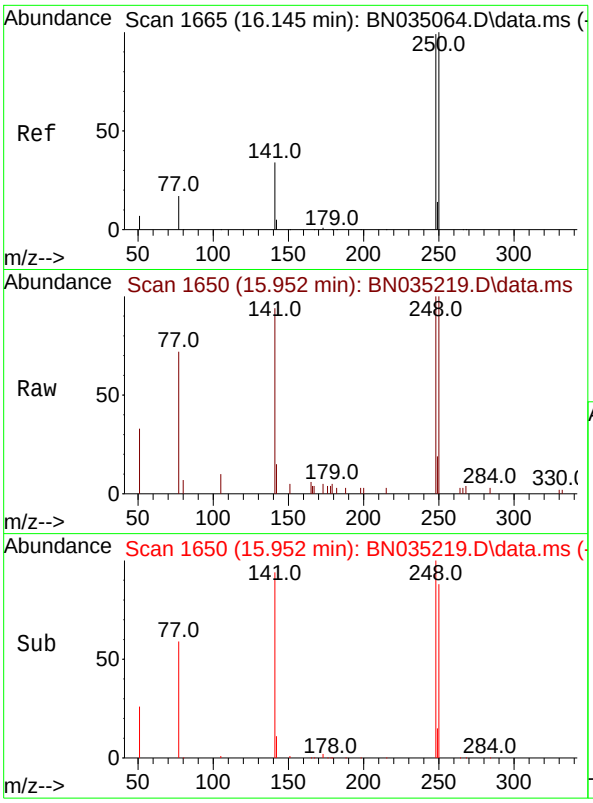


#20
4,6-Dinitro-2-methylphenol
Concen: 0.156 ng
RT: 15.142 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:198 Resp: 427

Ion	Ratio	Lower	Upper
198	100		
51	64.8	29.9	44.9#
105	82.8	23.7	35.5#



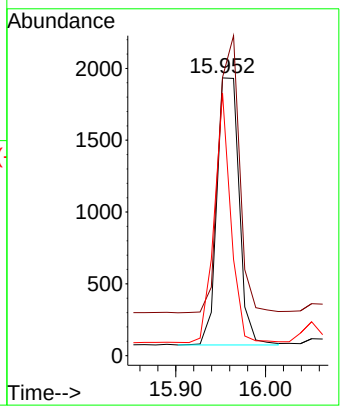


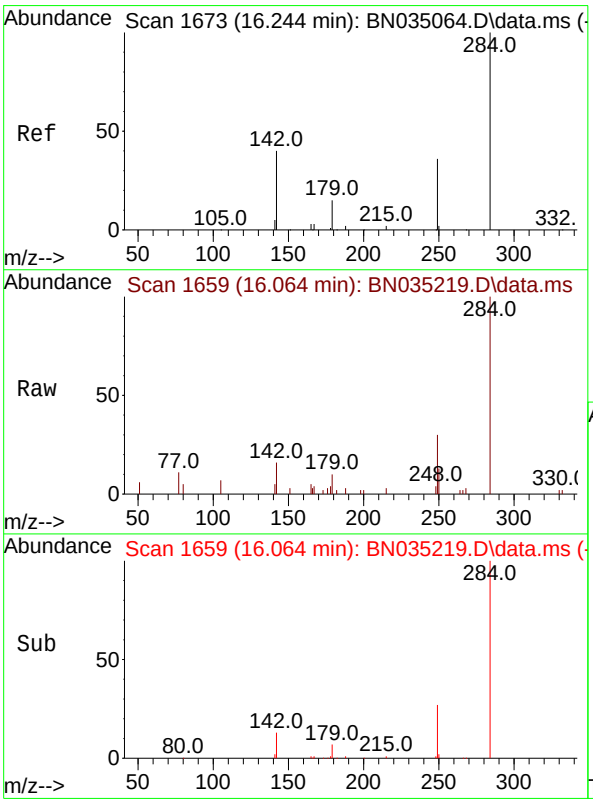
#21
4-Bromophenyl-phenylether
Concen: 0.381 ng
RT: 15.952 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 3185

Ion	Ratio	Lower	Upper
248	100		
250	100.2	81.2	121.8
141	94.6	29.1	43.7#

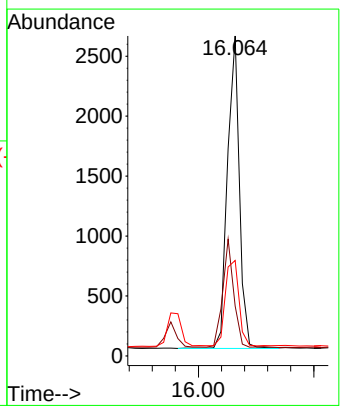


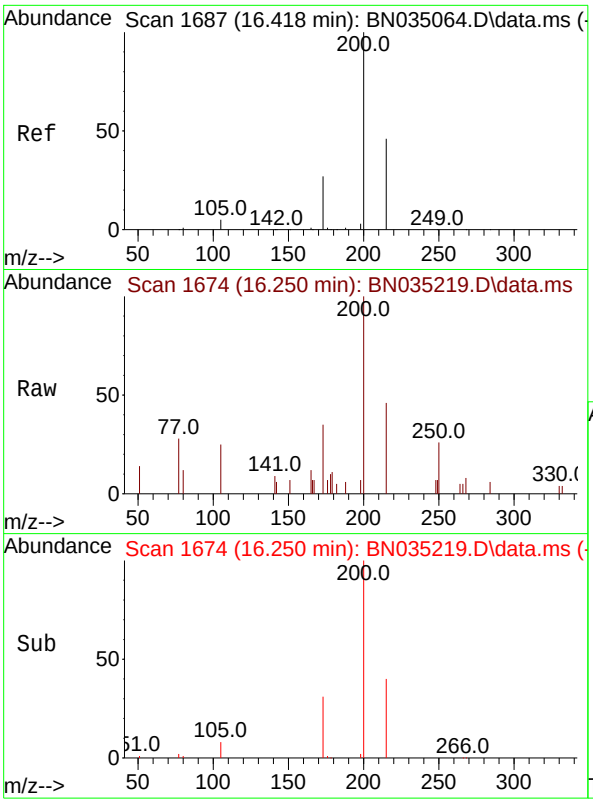


#22
Hexachlorobenzene
Concen: 0.432 ng
RT: 16.064 min Scan# 1659
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:284 Resp: 3749

Ion	Ratio	Lower	Upper
284	100		
142	32.4	28.2	42.4
249	31.3	26.2	39.2



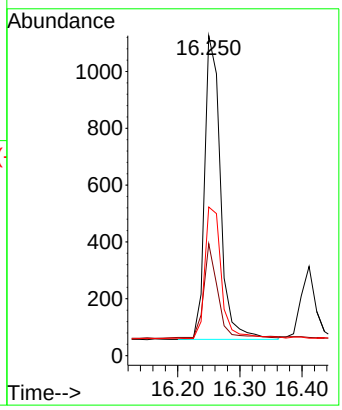


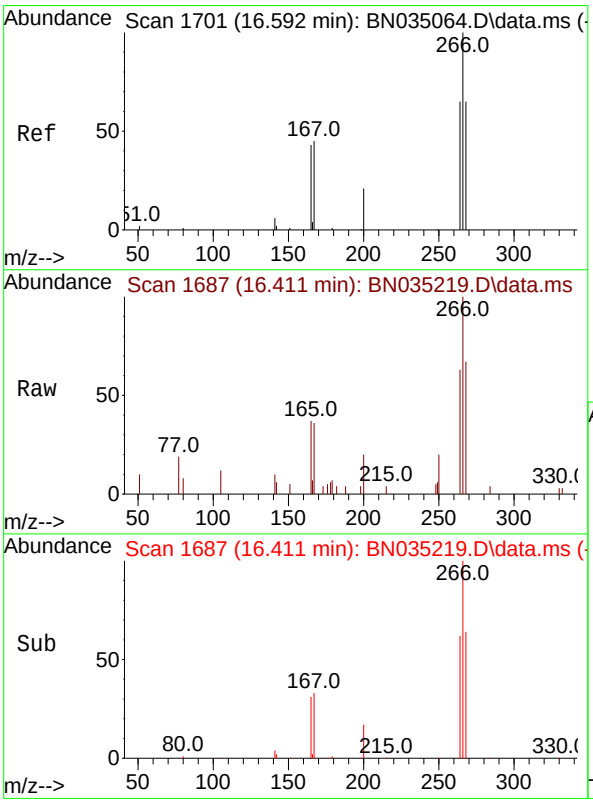
#23
Atrazine
Concen: 0.253 ng
RT: 16.250 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 1902

Ion	Ratio	Lower	Upper
200	100		
173	35.0	22.6	33.8#
215	46.4	37.8	56.6

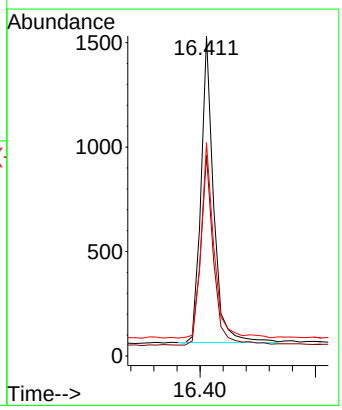


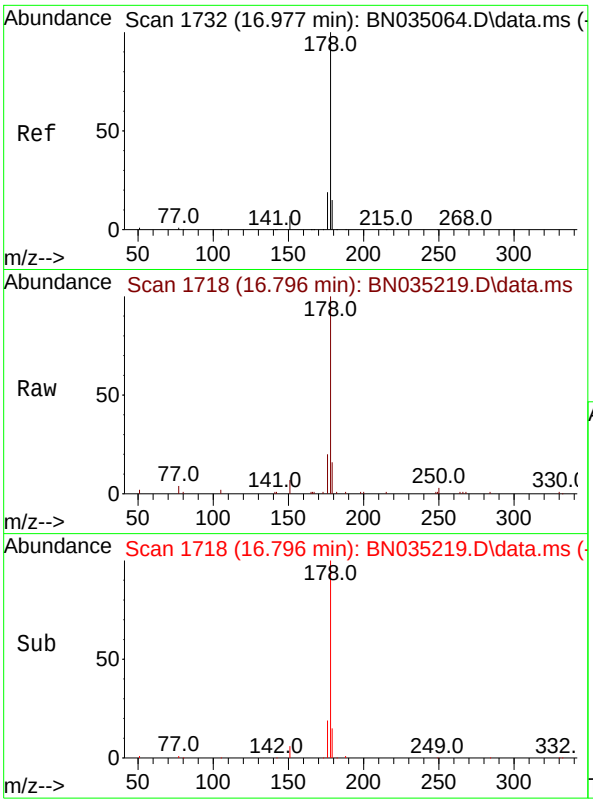


#24
Pentachlorophenol
Concen: 0.551 ng
RT: 16.411 min Scan# 1687
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:266 Resp: 2236

Ion	Ratio	Lower	Upper
266	100		
264	63.4	49.4	74.0
268	64.6	52.6	79.0



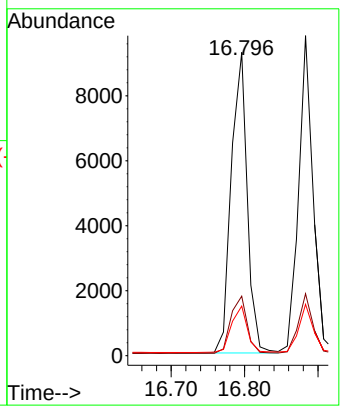


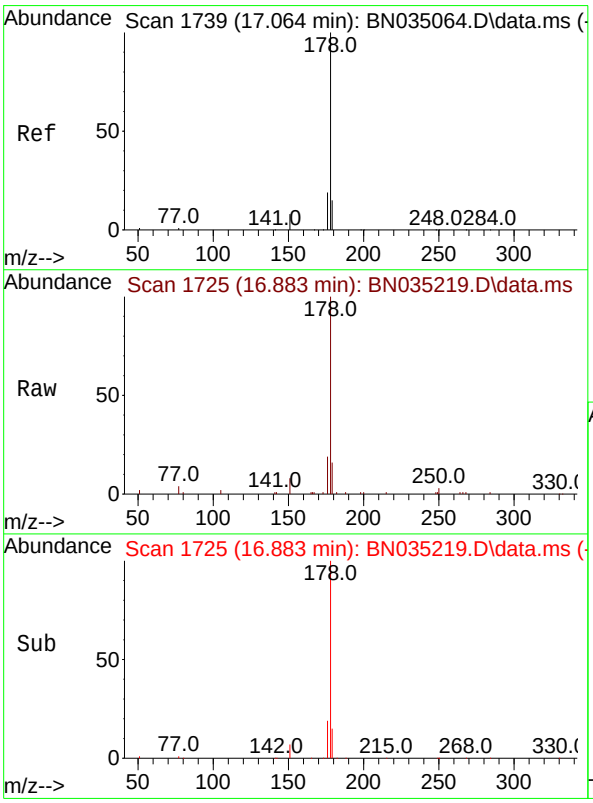
#25
Phenanthrene
Concen: 0.405 ng
RT: 16.796 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 13999

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.2	22.8
179	15.5	12.6	18.8

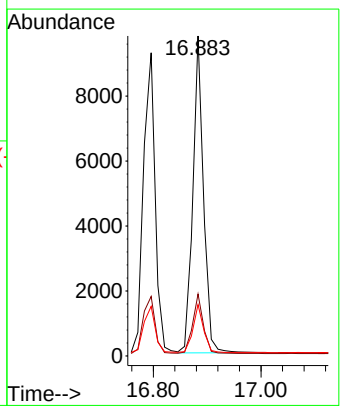


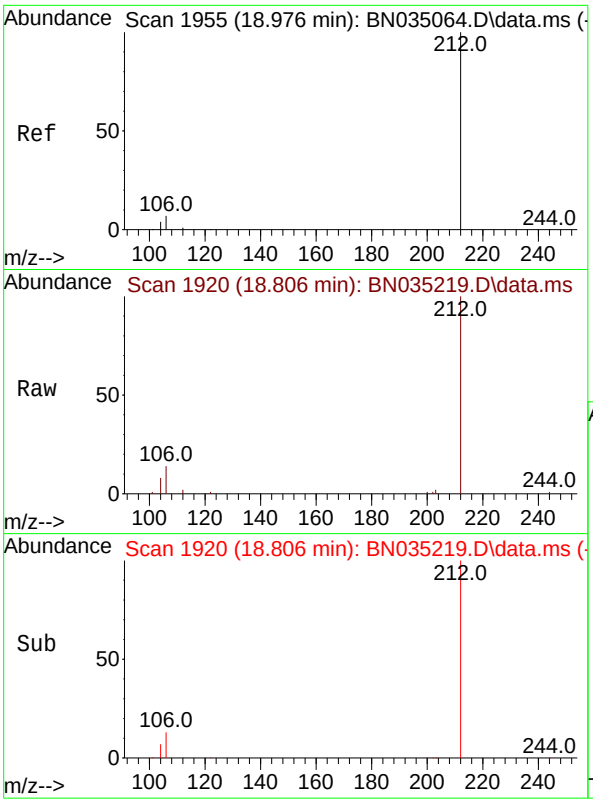


#26
Anthracene
Concen: 0.425 ng
RT: 16.883 min Scan# 1725
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:178 Resp: 13479

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	15.2	12.2	18.2



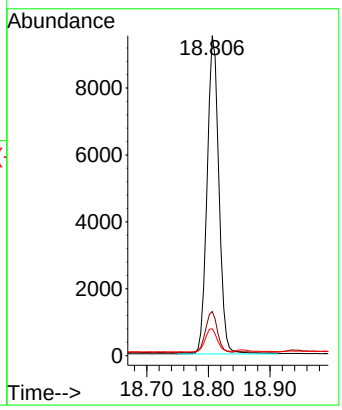


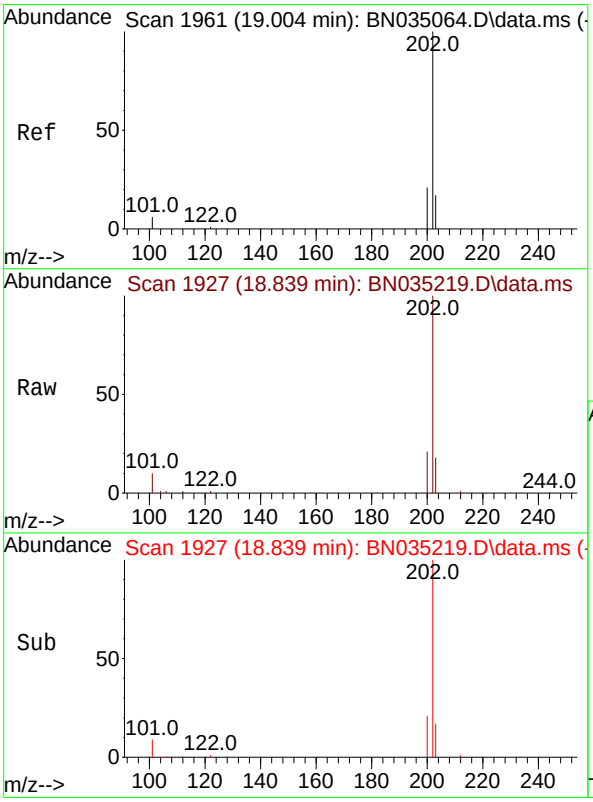
#27
Fluoranthene-d10
Concen: 0.312 ng
RT: 18.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 12553

Ion	Ratio	Lower	Upper
212	100		
106	13.0	6.0	9.0#
104	7.5	3.5	5.3#

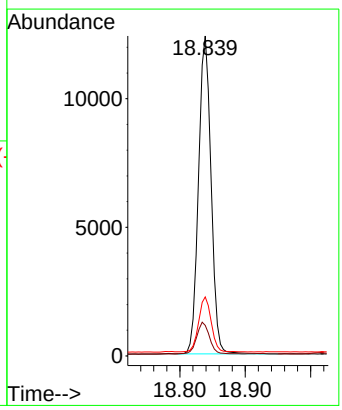


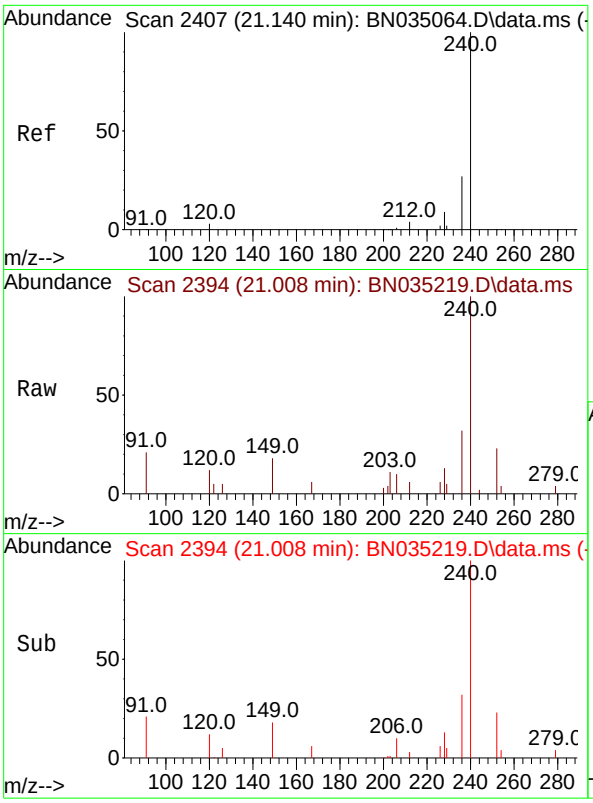


#28
Fluoranthene
Concen: 0.345 ng
RT: 18.839 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:202 Resp: 16410

Ion	Ratio	Lower	Upper
202	100		
101	10.1	5.2	7.8#
203	17.3	13.8	20.8



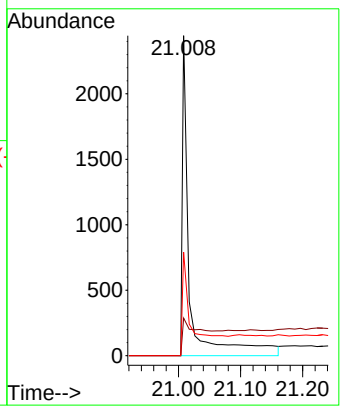


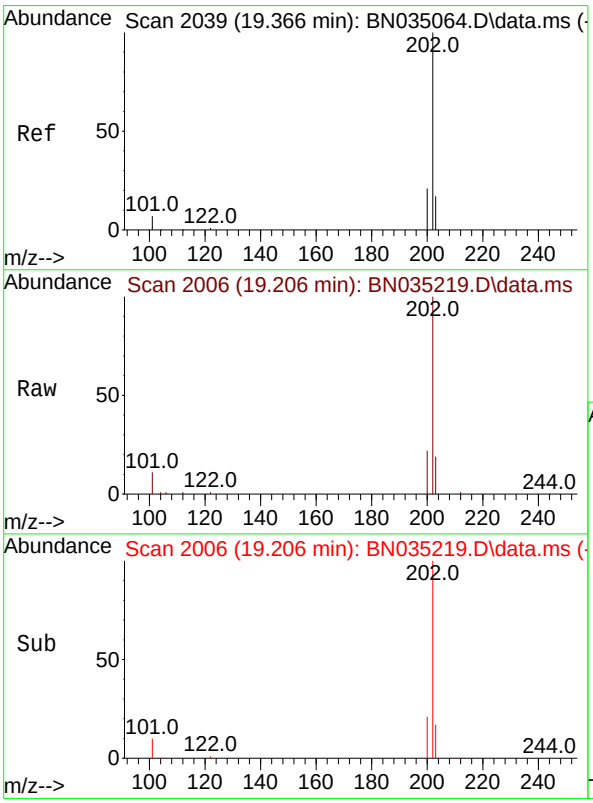
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 2179

Ion	Ratio	Lower	Upper
240	100		
120	11.7	3.8	5.6#
236	32.4	22.2	33.2

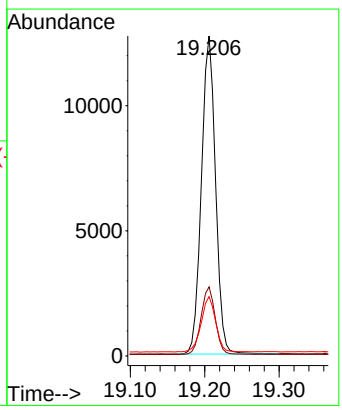


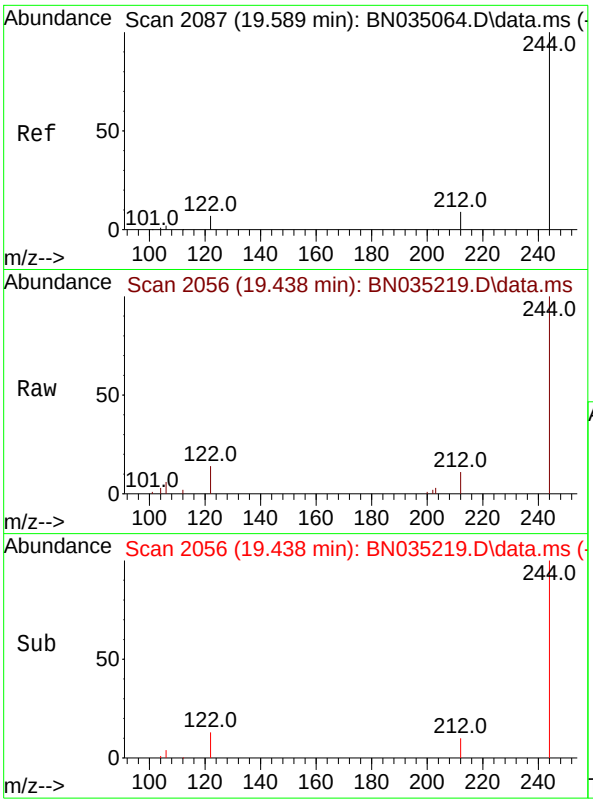


#30
Pyrene
Concen: 2.306 ng
RT: 19.206 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:202 Resp: 16732

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.8	14.2	21.4



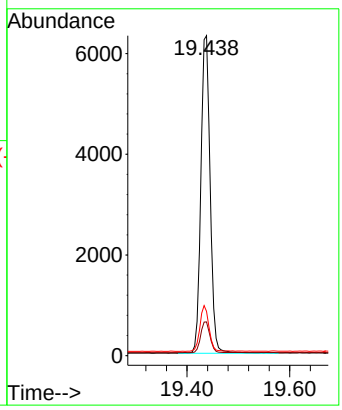


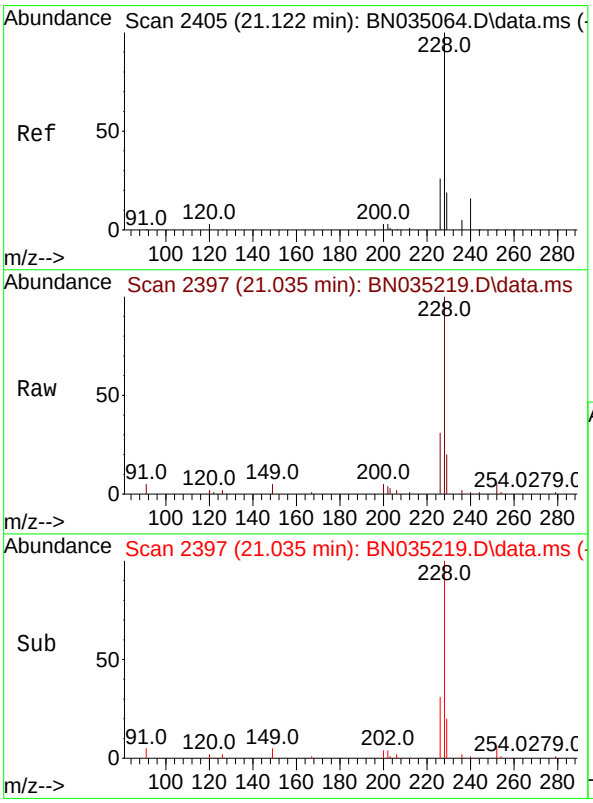
#31
Terphenyl-d14
Concen: 1.730 ng
RT: 19.438 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 7908

Ion	Ratio	Lower	Upper
244	100		
212	10.5	7.6	11.4
122	13.8	6.1	9.1#

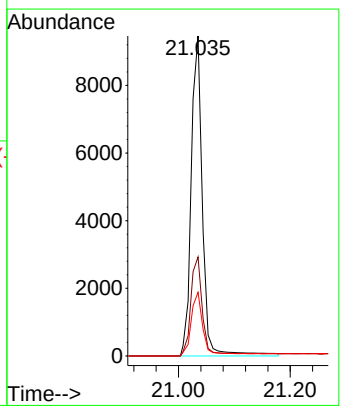


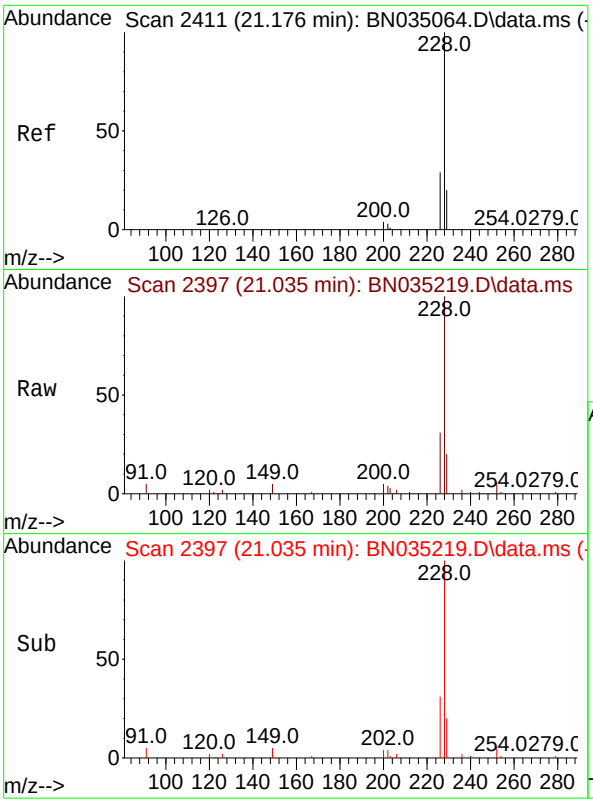


#32
Benzo(a)anthracene
Concen: 1.669 ng
RT: 21.035 min Scan# 2397
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:228 Resp: 12666

Ion	Ratio	Lower	Upper
228	100		
226	30.9	21.4	32.0
229	19.9	15.7	23.5



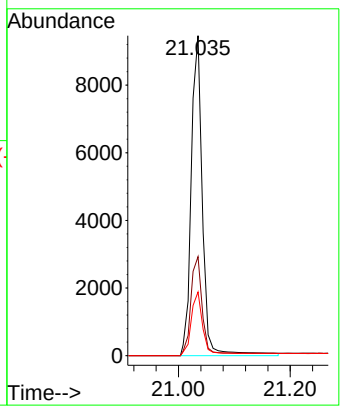


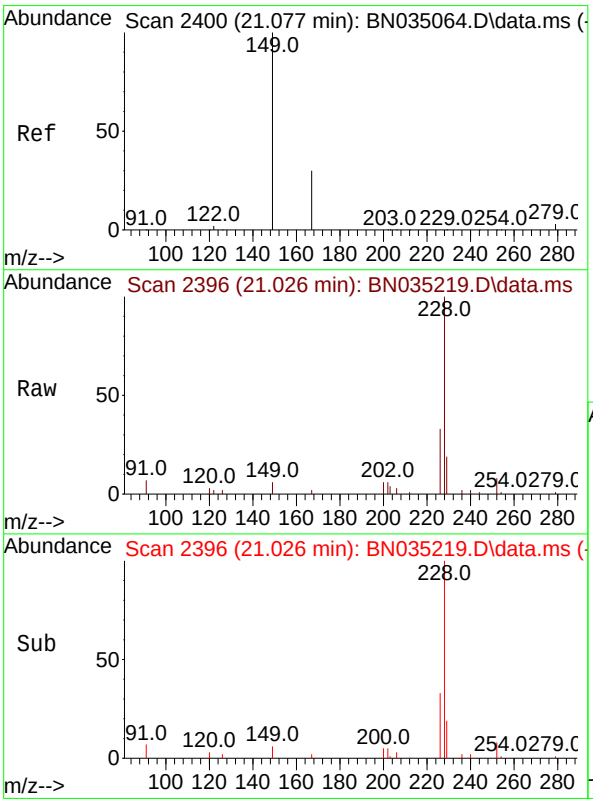
#33
Chrysene
Concen: 1.685 ng
RT: 21.035 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 12666

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.7	35.5
229	19.9	16.2	24.4

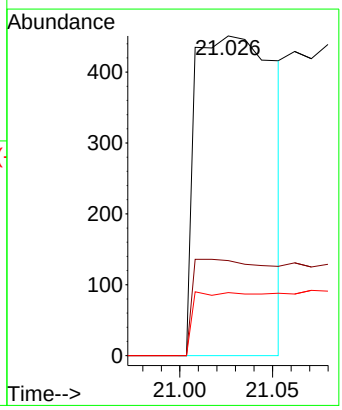


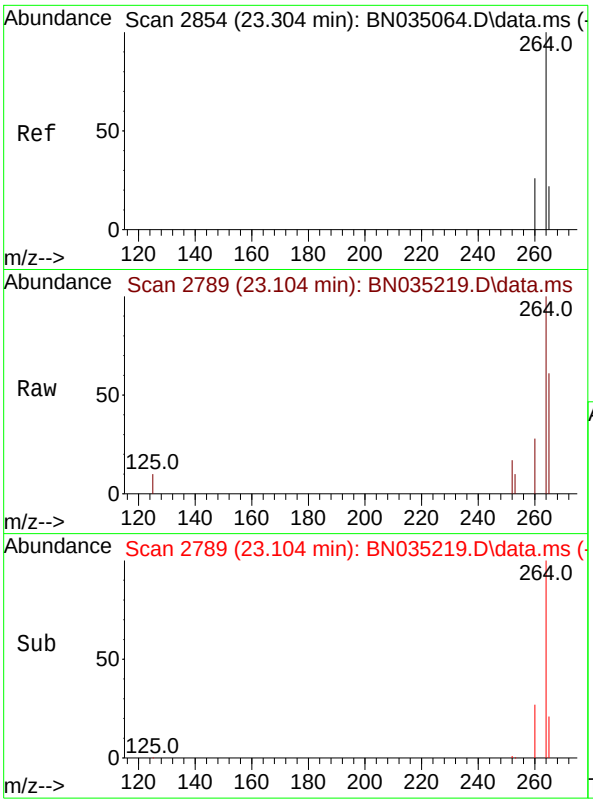


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.302 ng
RT: 21.026 min Scan# 2396
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:149 Resp: 1204

Ion	Ratio	Lower	Upper
149	100		
167	30.3	23.2	34.8
279	16.4	3.2	4.8#



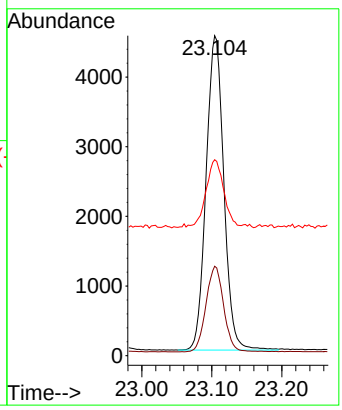


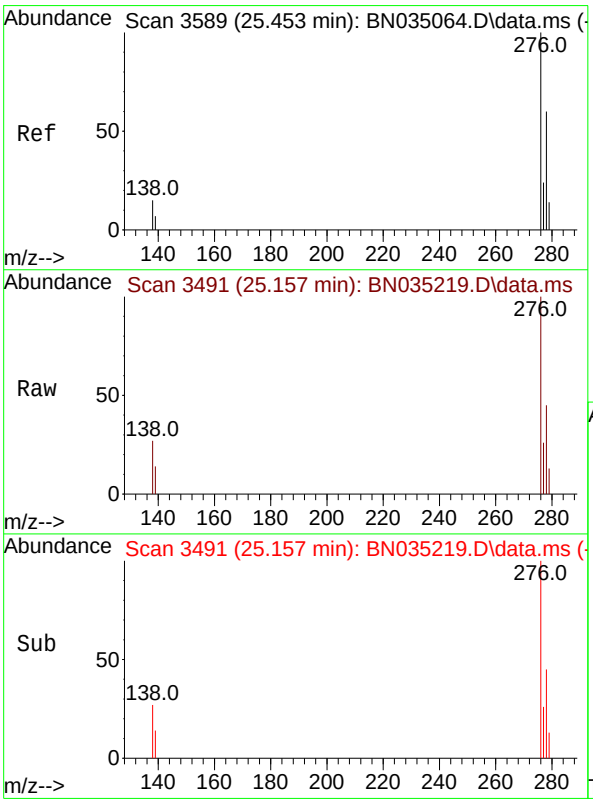
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 7936

Ion	Ratio	Lower	Upper
264	100		
260	27.9	20.9	31.3
265	61.2	35.4	53.2#

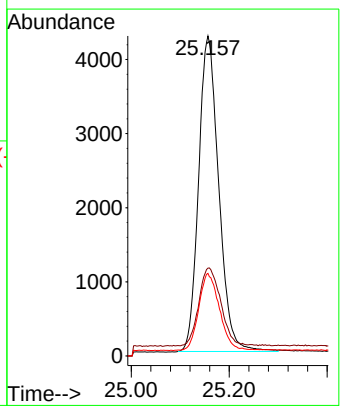


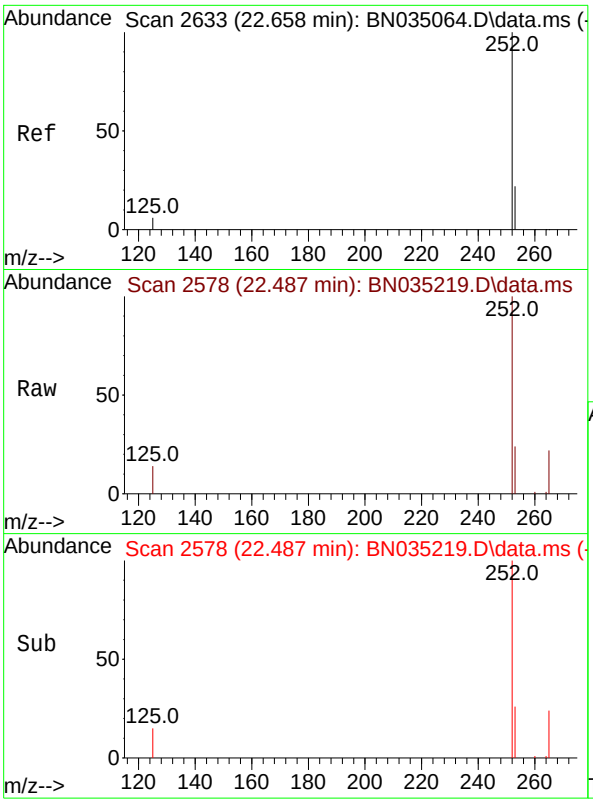


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.384 ng
RT: 25.157 min Scan# 3491
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:276 Resp: 12159

Ion	Ratio	Lower	Upper
276	100		
138	25.9	13.0	19.4#
277	24.1	19.8	29.6



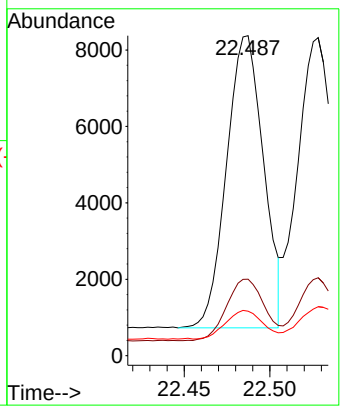


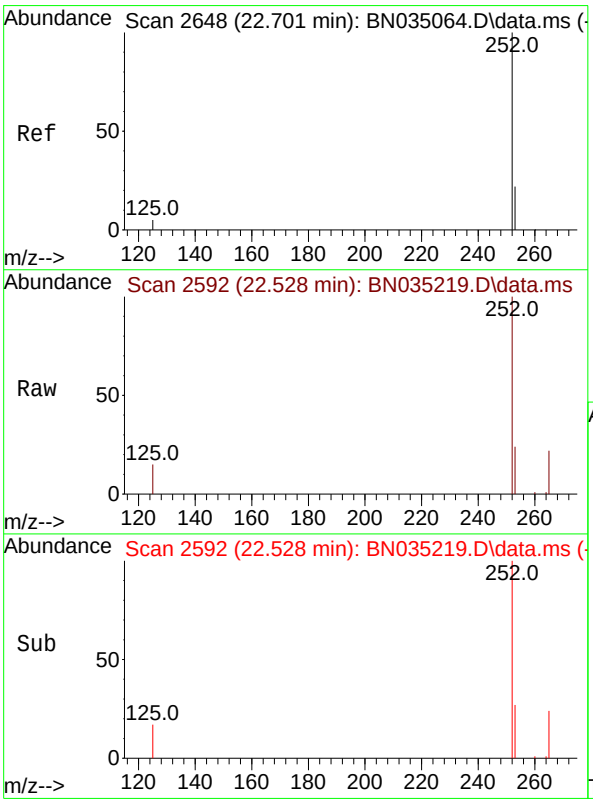
#37
Benzo(b)fluoranthene
Concen: 0.429 ng
RT: 22.487 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 11451

Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.3	28.9
125	13.9	6.2	9.2#

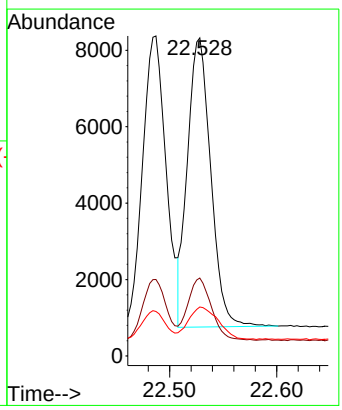


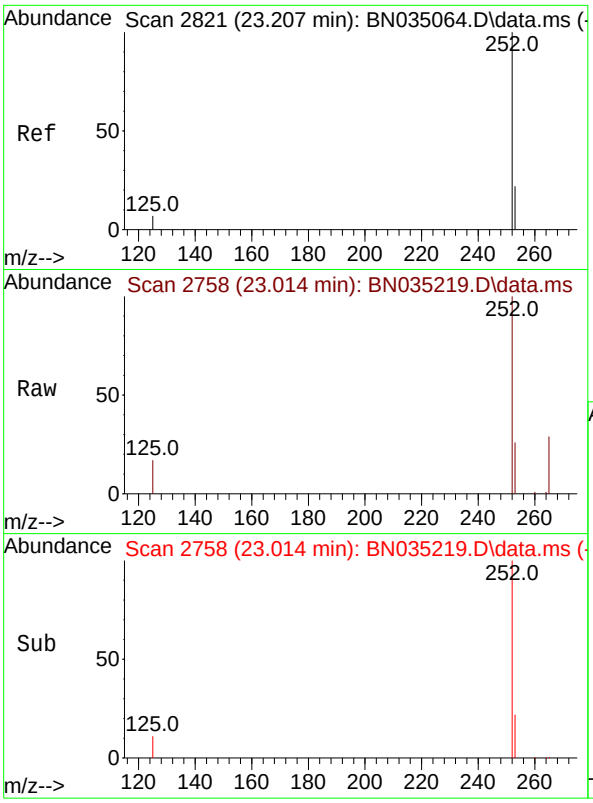


#38
Benzo(k)fluoranthene
Concen: 0.428 ng
RT: 22.528 min Scan# 2592
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:252 Resp: 11422

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.5	29.3
125	15.4	6.5	9.7#



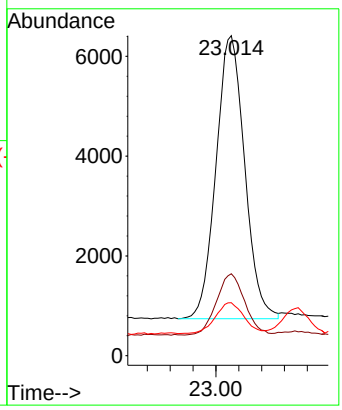


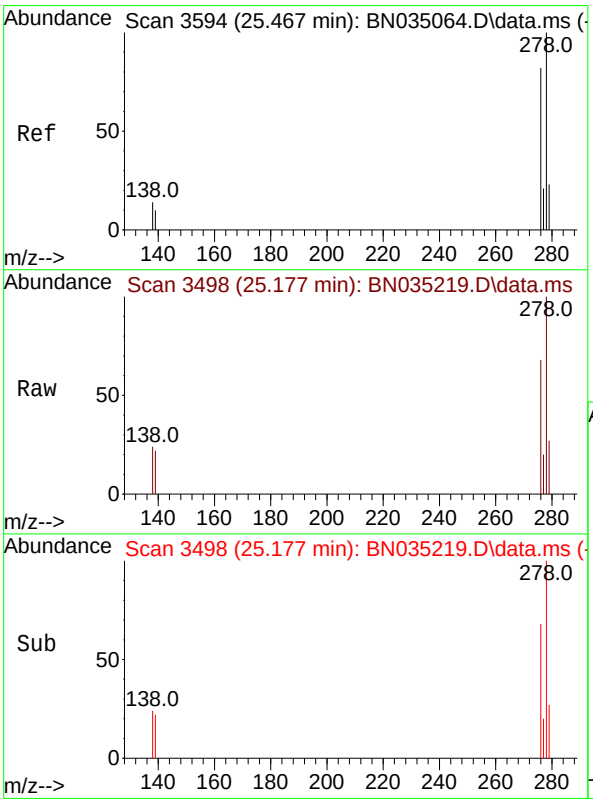
#39
Benzo(a)pyrene
Concen: 0.420 ng
RT: 23.014 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 9865

Ion	Ratio	Lower	Upper
252	100		
253	25.6	20.1	30.1
125	16.6	7.5	11.3#

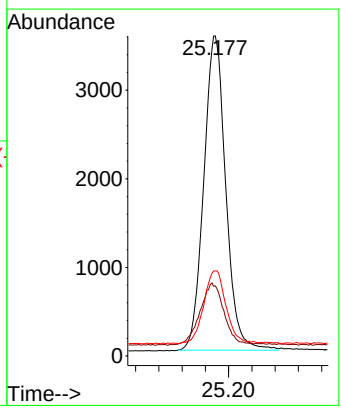


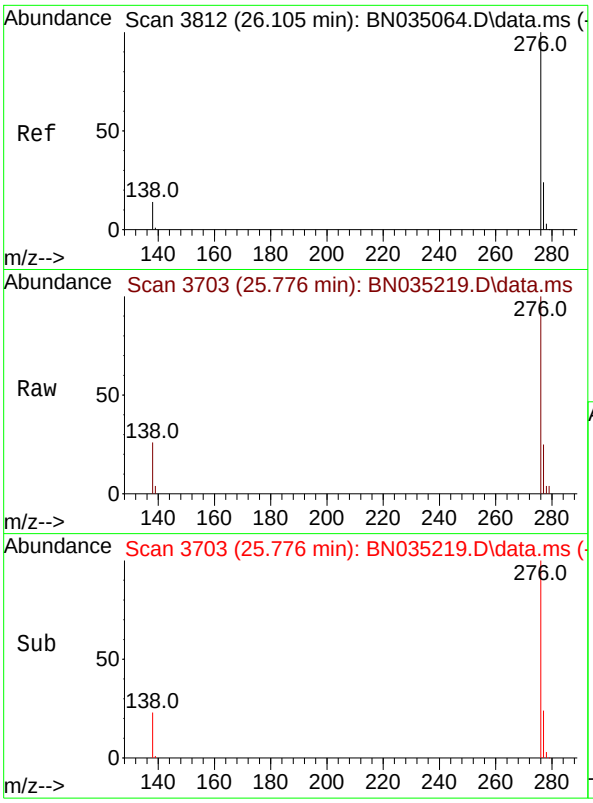


#40
Dibenzo(a,h)anthracene
Concen: 0.372 ng
RT: 25.177 min Scan# 3498
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Tgt Ion:278 Resp: 9332

Ion	Ratio	Lower	Upper
278	100		
139	21.9	9.3	13.9#
279	26.5	19.7	29.5



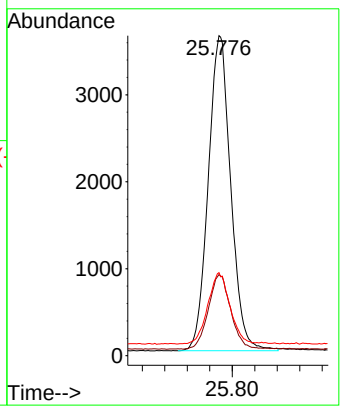


#41
Benzo(g,h,i)perylene
Concen: 0.377 ng
RT: 25.776 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN035219.D
Acq: 21 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 10046

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.9	29.9
138	26.0	11.6	17.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035228.D
Acq On : 21 Nov 2024 18:48
Operator : RC/JU
Sample : P4934-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Quant Time: Nov 21 23:05:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

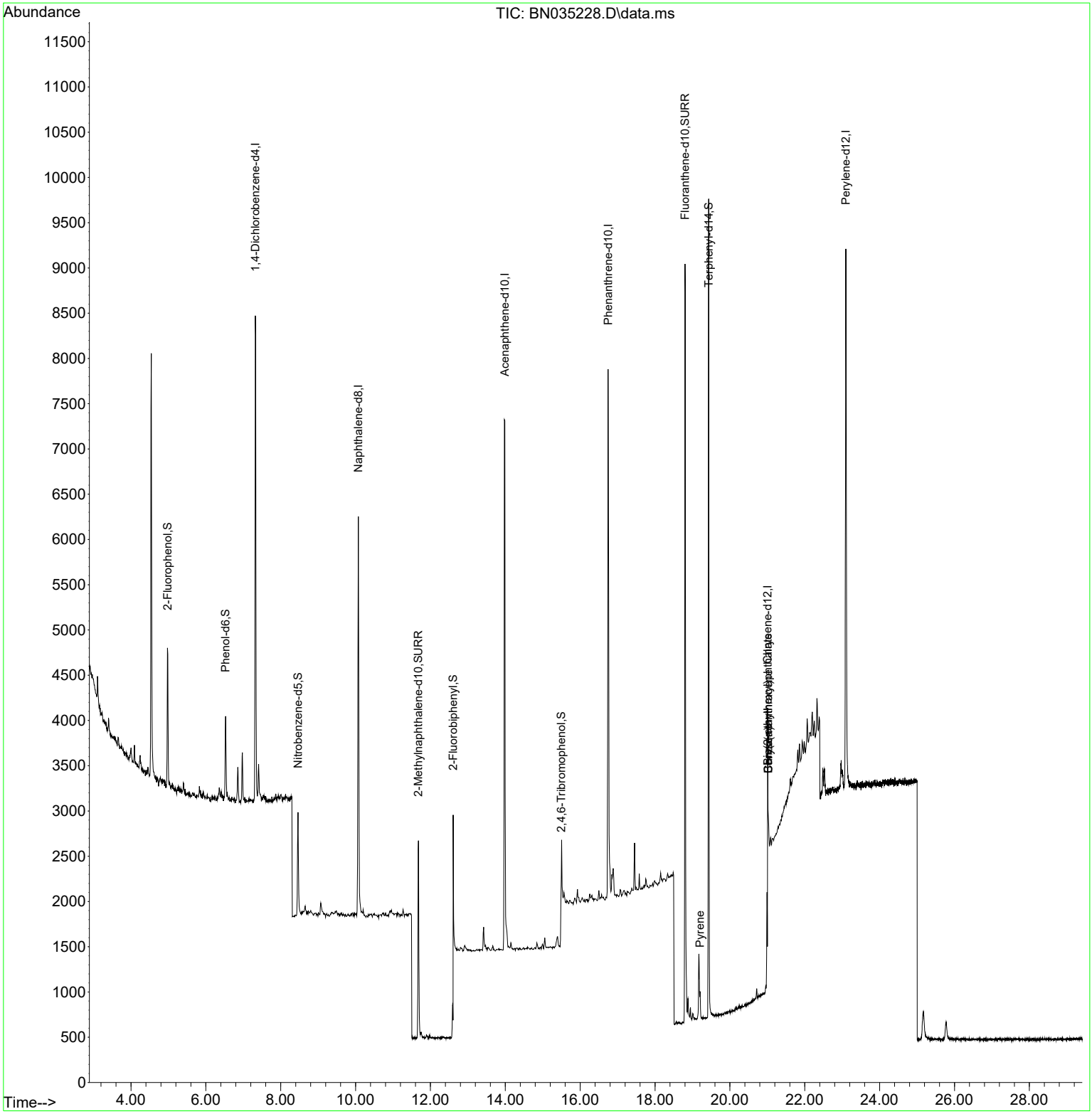
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.322	152	2646	0.400	ng	0.00
7) Naphthalene-d8	10.073	136	6014	0.400	ng	# 0.00
13) Acenaphthene-d10	13.987	164	3783	0.400	ng	0.00
19) Phenanthrene-d10	16.746	188	8215	0.400	ng	# 0.00
29) Chrysene-d12	21.008	240	1596	0.400	ng	# 0.00
35) Perylene-d12	23.098	264	7371	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.982	112	1293	0.192	ng	0.00
5) Phenol-d6	6.528	99	953	0.113	ng	0.00
8) Nitrobenzene-d5	8.461	82	1364	0.261	ng	0.00
11) 2-Methylnaphthalene-d10	11.678	152	3149	0.294	ng	0.00
14) 2,4,6-Tribromophenol	15.494	330	726	0.266	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	1325	0.086	ng	0.00
27) Fluoranthene-d10	18.801	212	9699	0.385	ng	0.00
31) Terphenyl-d14	19.433	244	8802	2.628	ng	0.00
Target Compounds						Qvalue
30) Pyrene	19.201	202	275	0.052	ng	97
32) Benzo(a)anthracene	21.026	228	526	0.095	ng	# 49
33) Chrysene	21.026	228	526	0.096	ng	# 55
34) Bis(2-ethylhexyl)phtha...	21.017	149	456	0.156	ng	# 84

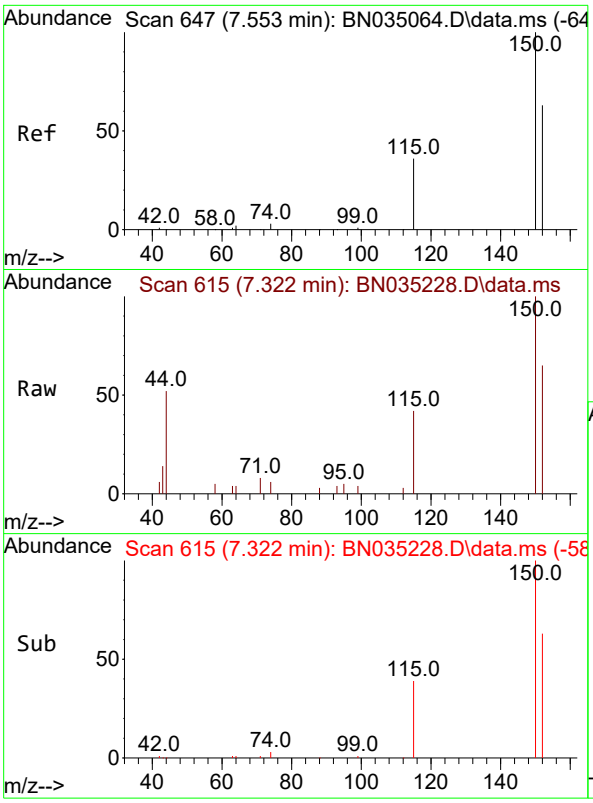
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035228.D
Acq On : 21 Nov 2024 18:48
Operator : RC/JU
Sample : P4934-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Quant Time: Nov 21 23:05:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration



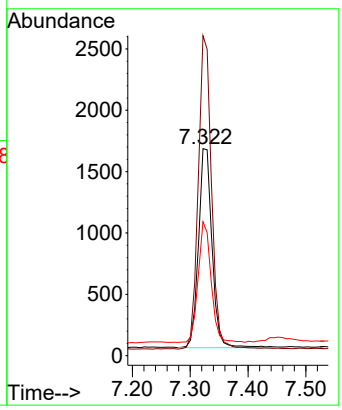


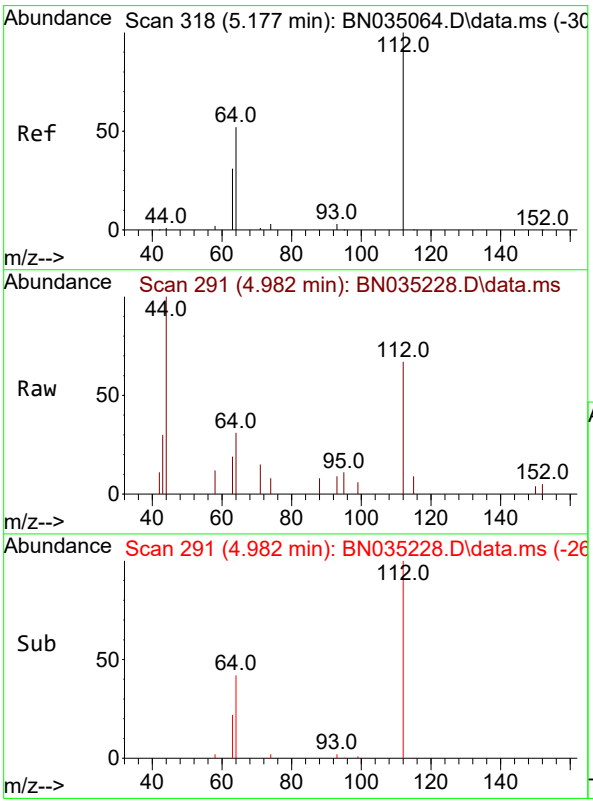
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.322 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Tgt Ion:152 Resp: 2646

Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.5	186.7
115	64.7	47.8	71.6

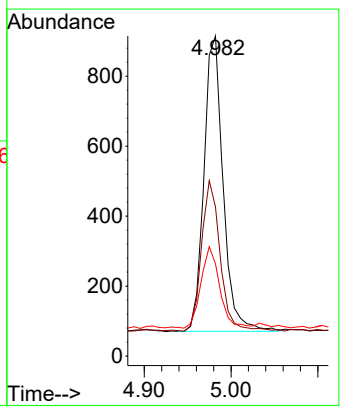


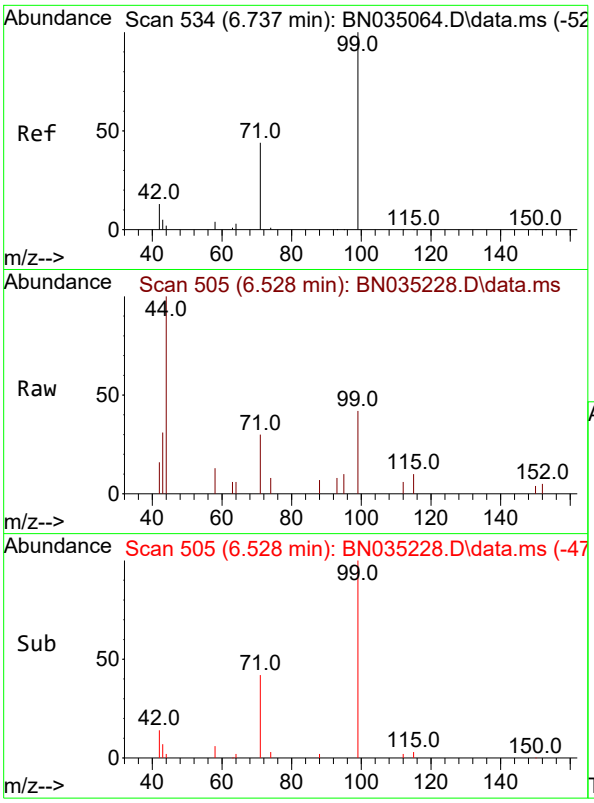


#4
2-Fluorophenol
Concen: 0.192 ng
RT: 4.982 min Scan# 291
Delta R.T. -0.000 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:112 Resp: 1293

Ion	Ratio	Lower	Upper
112	100		
64	49.4	39.7	59.5
63	27.3	23.0	34.4



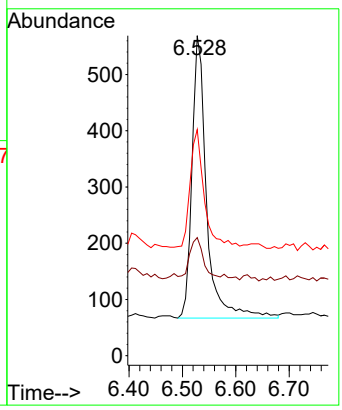


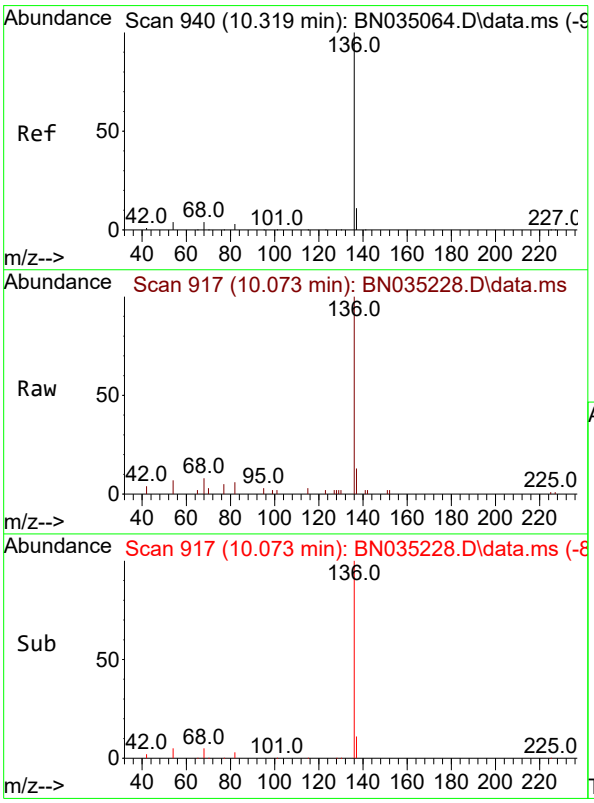
#5
Phenol-d6
Concen: 0.113 ng
RT: 6.528 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Tgt Ion: 99 Resp: 953

Ion	Ratio	Lower	Upper
99	100		
42	12.1	11.4	17.0
71	40.7	34.6	51.8

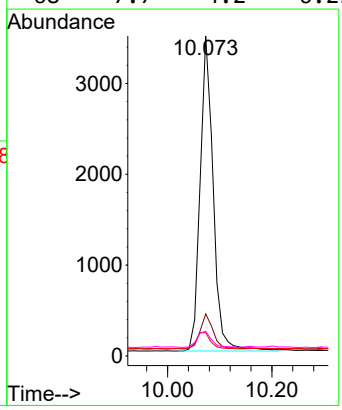


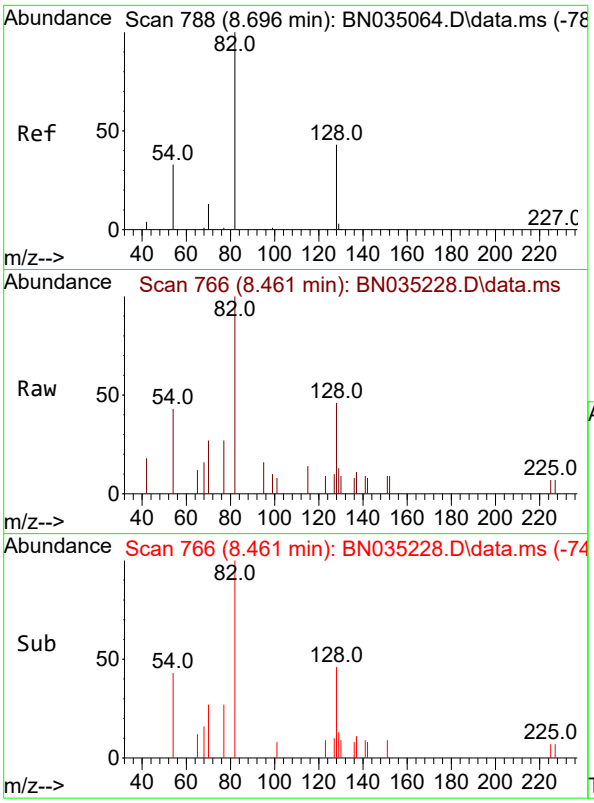


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.073 min Scan# 917
Delta R.T. -0.000 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:136 Resp: 6014

Ion	Ratio	Lower	Upper
136	100		
137	13.1	9.8	14.8
54	7.3	4.0	6.0#
68	7.7	4.2	6.2#



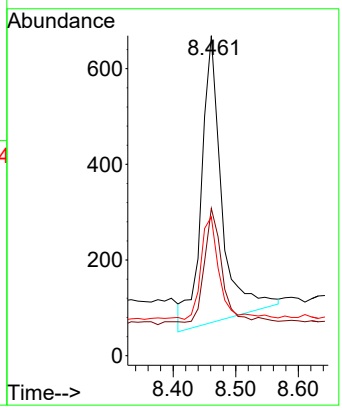


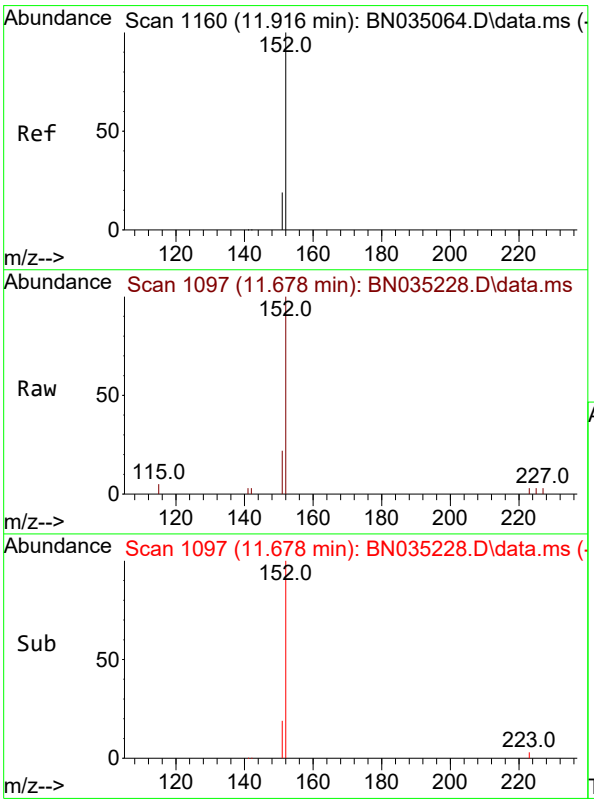
#8
Nitrobenzene-d5
Concen: 0.261 ng
RT: 8.461 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Tgt Ion: 82 Resp: 1364

Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.5	54.7
54	43.3	28.7	43.1#

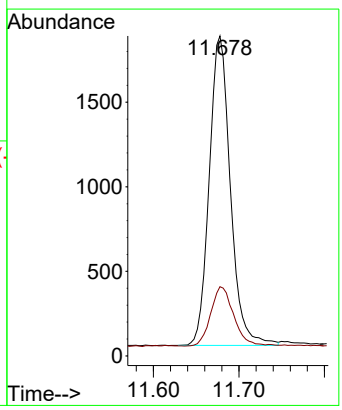


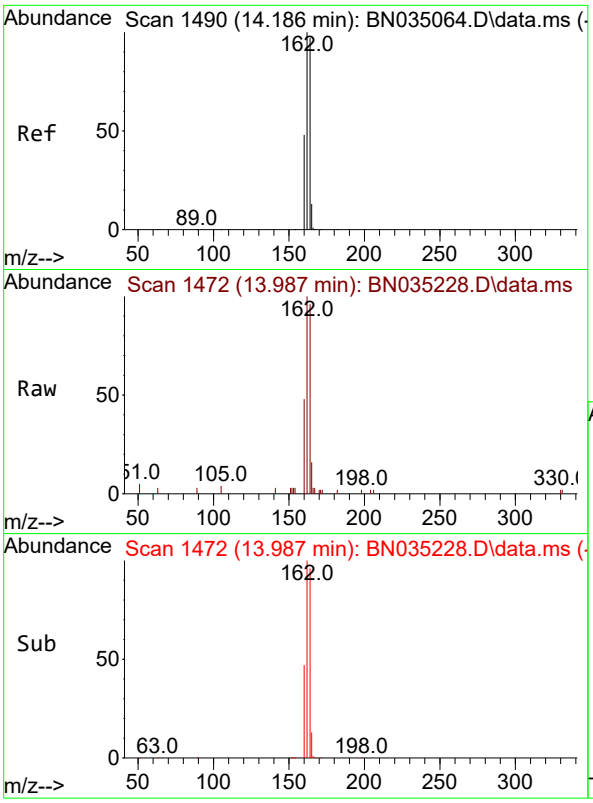


#11
2-Methylnaphthalene-d10
Concen: 0.294 ng
RT: 11.678 min Scan# 1097
Delta R.T. -0.000 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:152 Resp: 3149

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.2	24.4



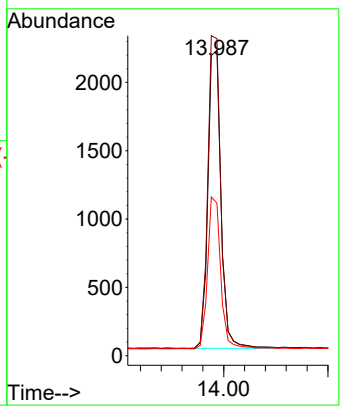


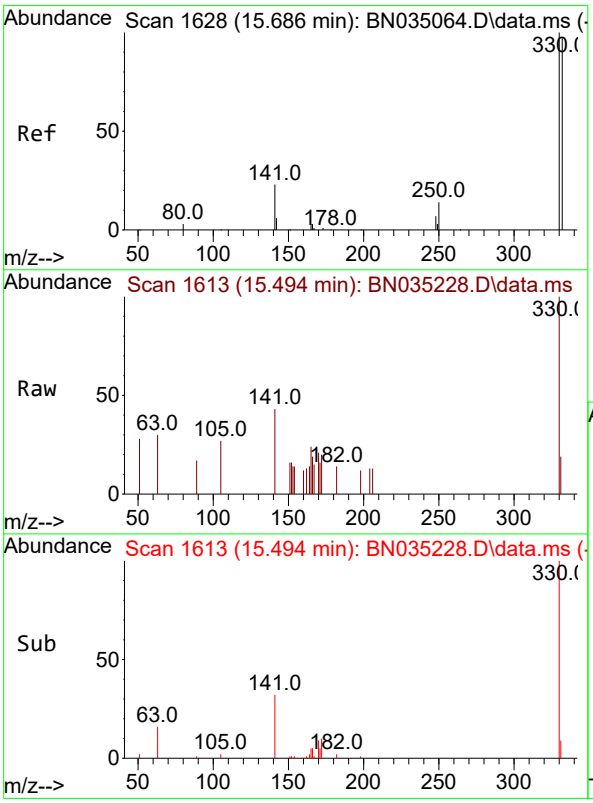
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.987 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Tgt Ion:164 Resp: 3783

Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.2	123.2
160	50.0	40.2	60.4

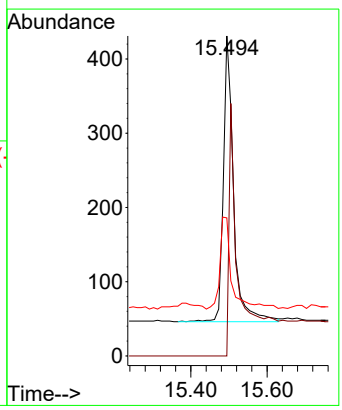


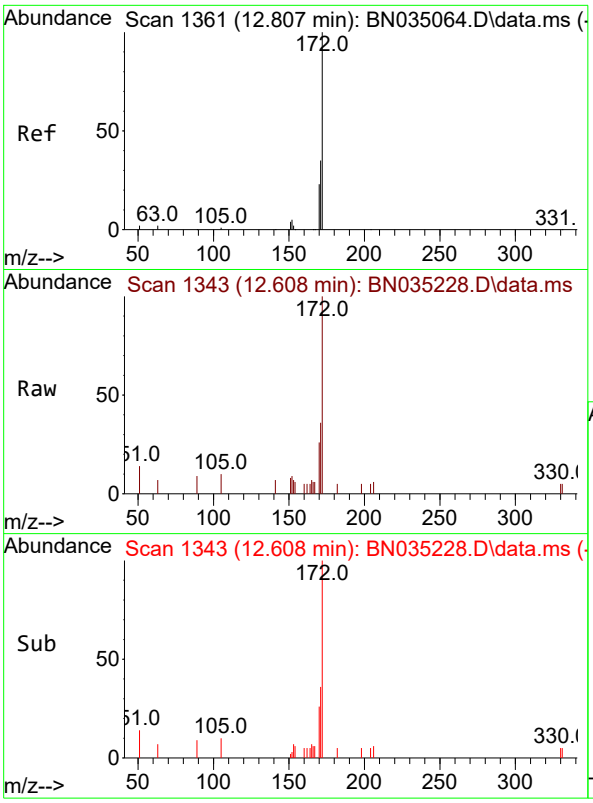


#14
2,4,6-Tribromophenol
Concen: 0.266 ng
RT: 15.494 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:330 Resp: 726

Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.9	115.3#
141	39.0	29.6	44.4



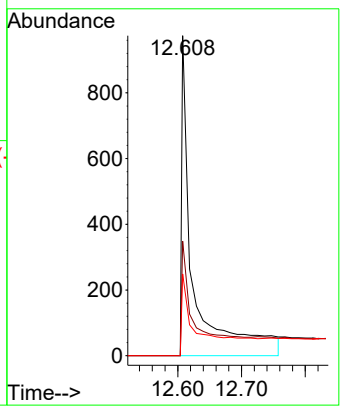


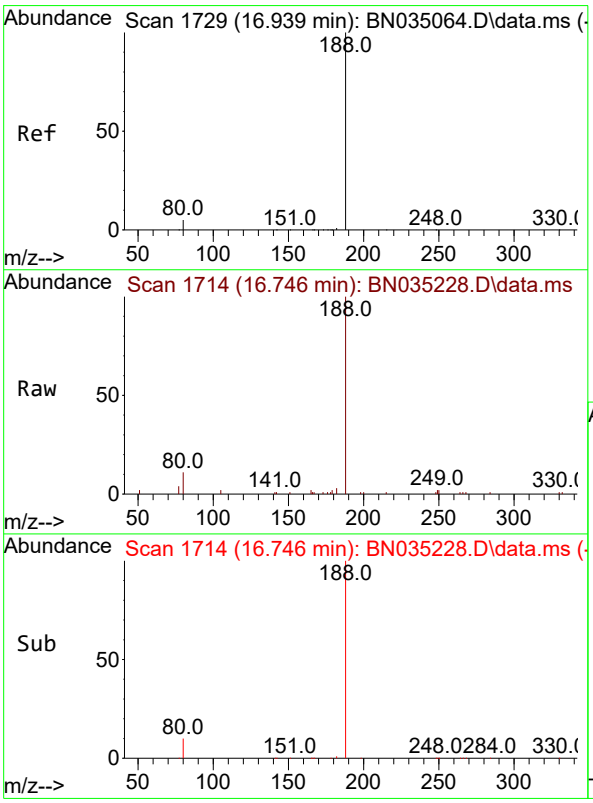
#15
2-Fluorobiphenyl
Concen: 0.086 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Tgt Ion:172 Resp: 1325

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.4
170	25.6	19.0	28.6

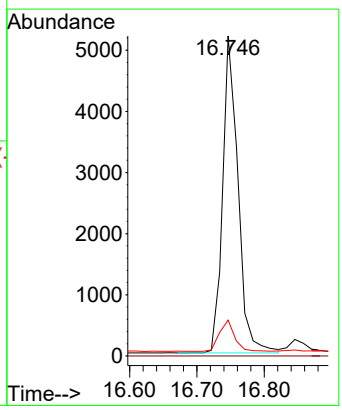


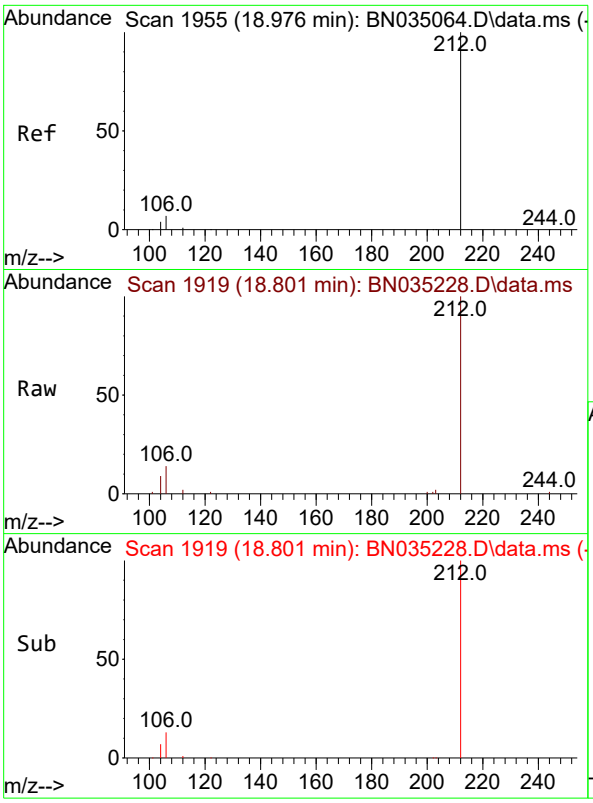


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.746 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:188 Resp: 8215

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.2	4.3	6.5#



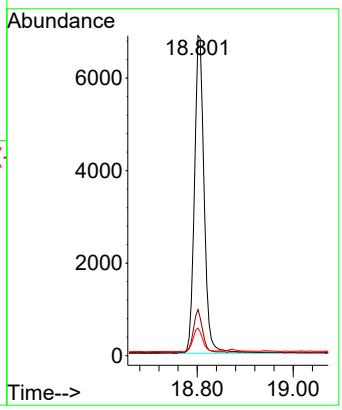


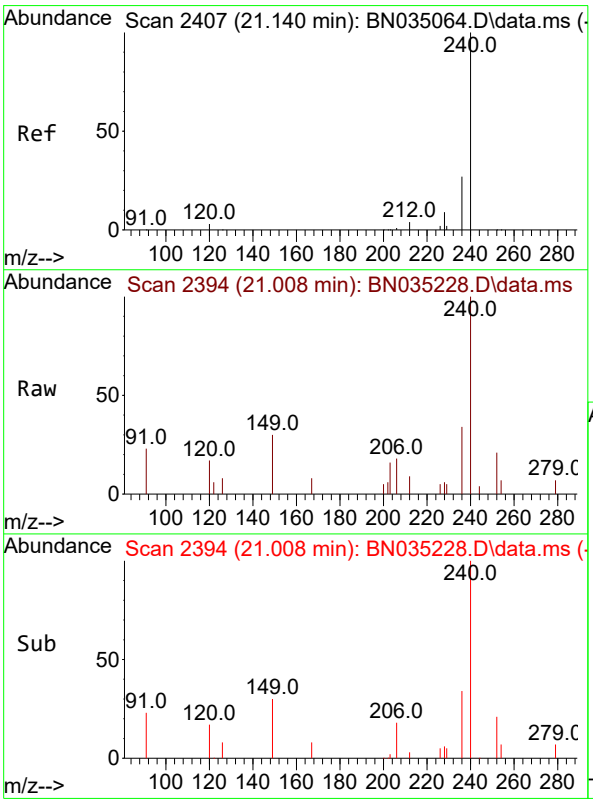
#27
Fluoranthene-d10
Concen: 0.385 ng
RT: 18.801 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Tgt Ion:212 Resp: 9699

Ion	Ratio	Lower	Upper
212	100		
106	12.7	6.0	9.0#
104	7.2	3.5	5.3#

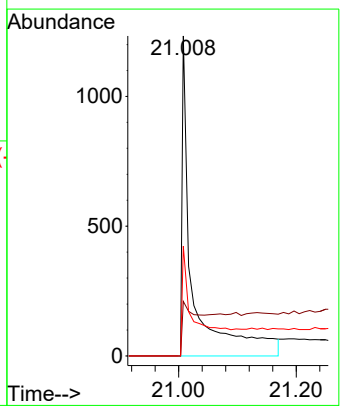


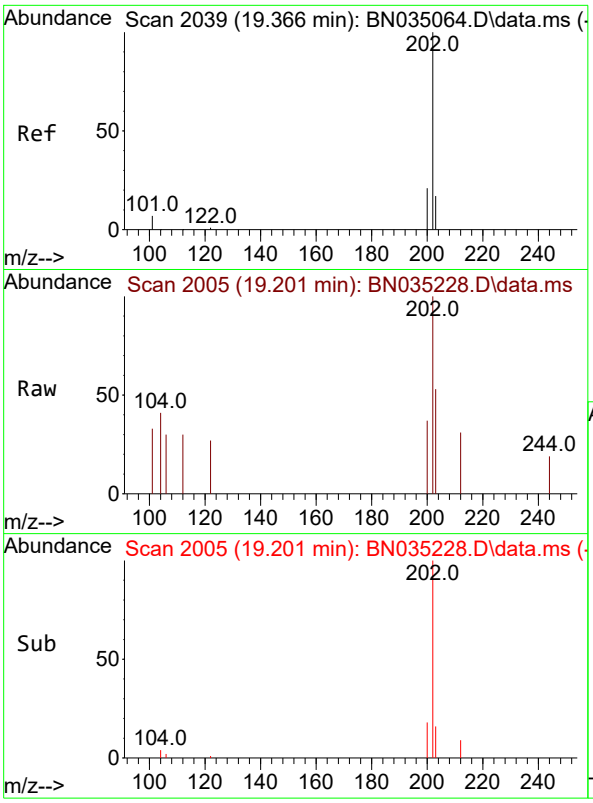


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:240 Resp: 1596

Ion	Ratio	Lower	Upper
240	100		
120	17.0	3.8	5.6#
236	34.3	22.2	33.2#



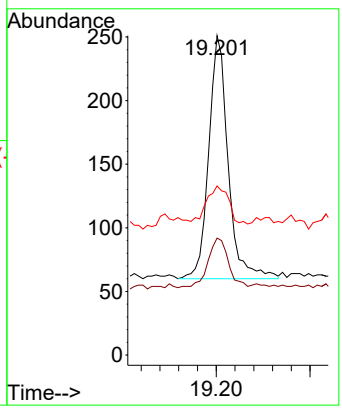


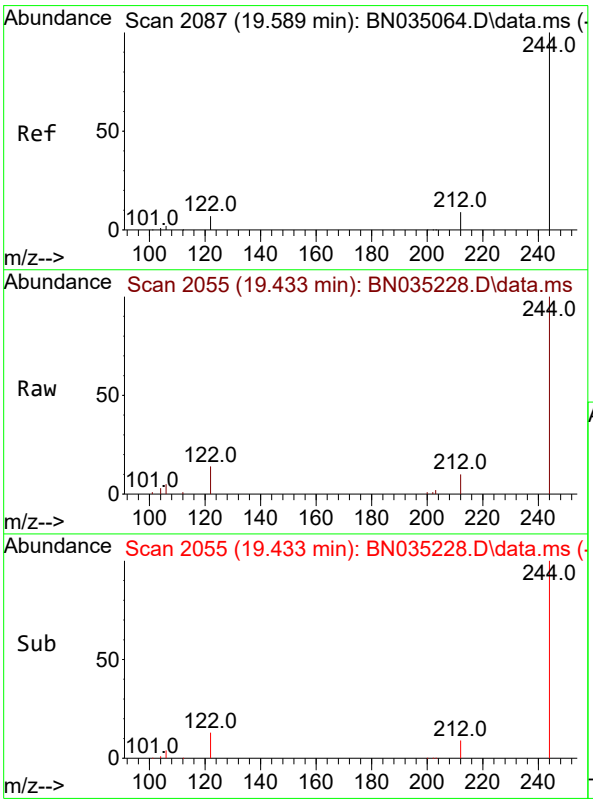
#30
Pyrene
Concen: 0.052 ng
RT: 19.201 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Tgt Ion:202 Resp: 275

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.7	25.1
203	19.6	14.2	21.4

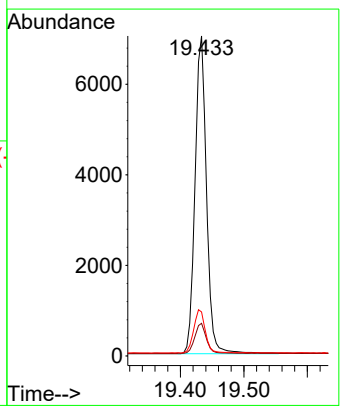


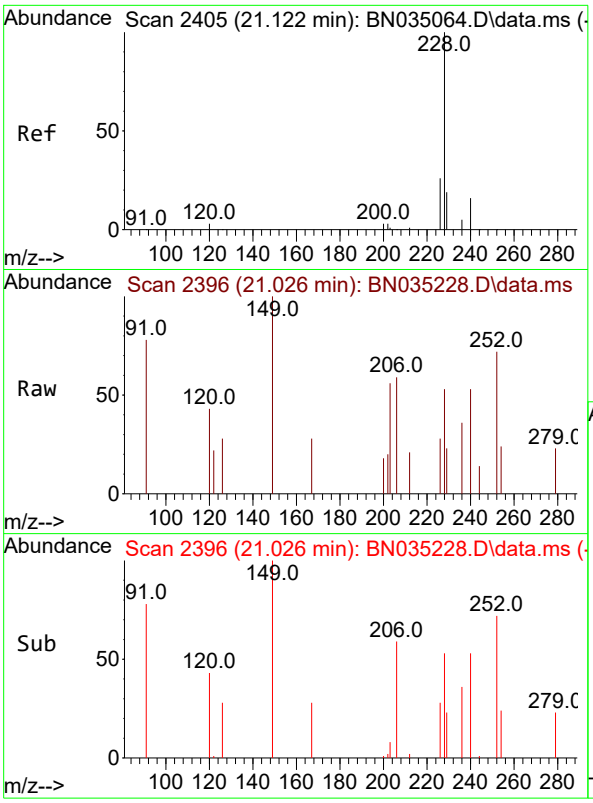


#31
Terphenyl-d14
Concen: 2.628 ng
RT: 19.433 min Scan# 2055
Delta R.T. -0.005 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:244 Resp: 8802

Ion	Ratio	Lower	Upper
244	100		
212	10.2	7.6	11.4
122	13.7	6.1	9.1#



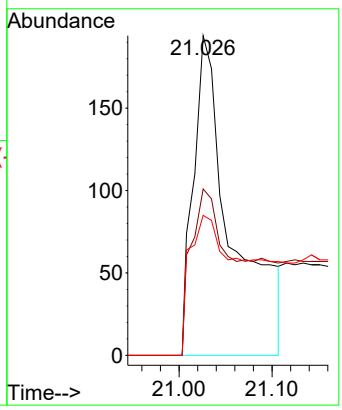


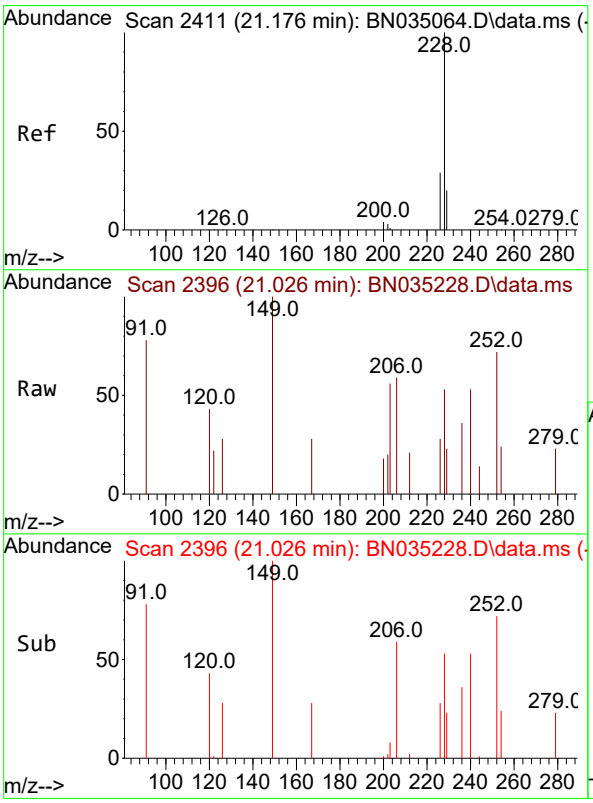
#32
Benzo(a)anthracene
Concen: 0.095 ng
RT: 21.026 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Tgt Ion:228 Resp: 526

Ion	Ratio	Lower	Upper
228	100		
226	52.1	21.4	32.0#
229	43.8	15.7	23.5#

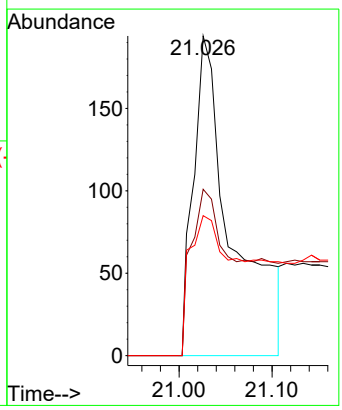


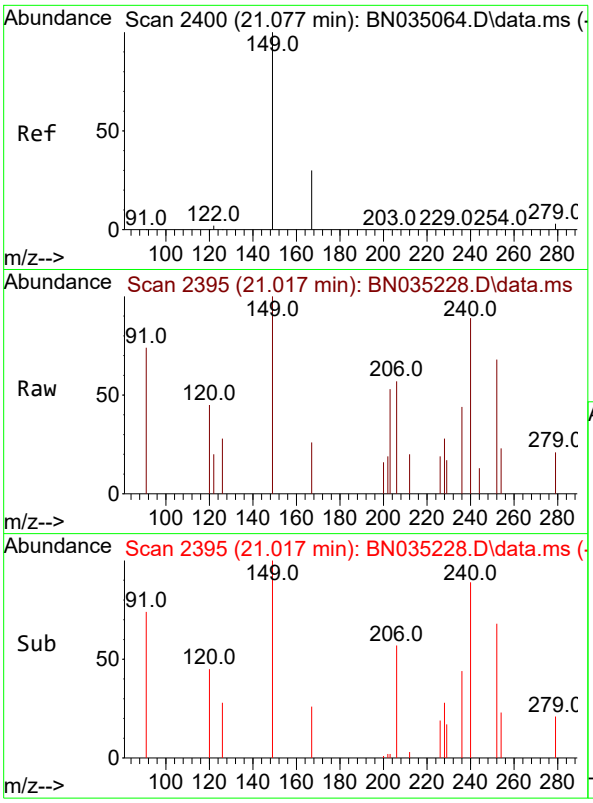


#33
Chrysene
Concen: 0.096 ng
RT: 21.026 min Scan# 2396
Delta R.T. -0.009 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:228 Resp: 526

Ion	Ratio	Lower	Upper
228	100		
226	52.1	23.7	35.5#
229	43.8	16.2	24.4#



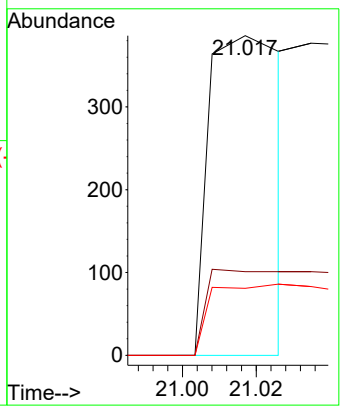


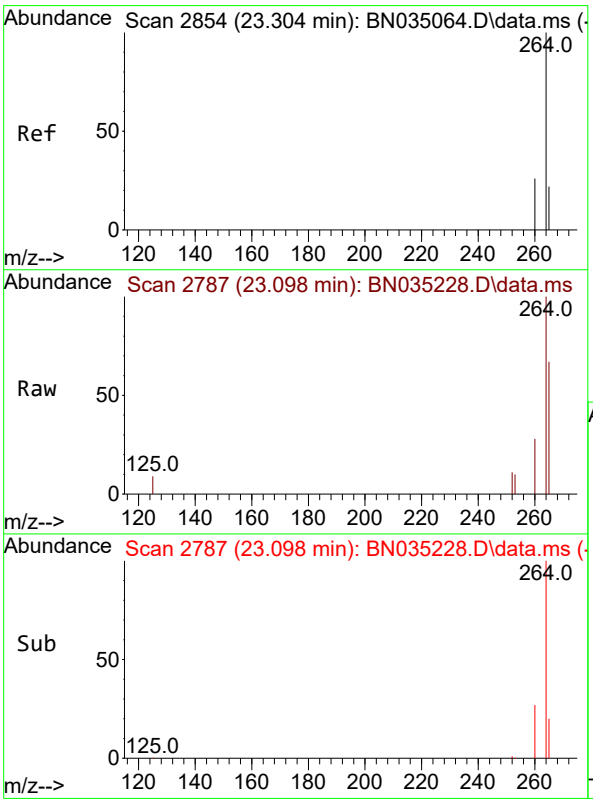
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.156 ng
RT: 21.017 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Instrument :
BNA_N
ClientSampleId :
BPOW6-7-20241118

Tgt Ion:149 Resp: 456

Ion	Ratio	Lower	Upper
149	100		
167	27.4	23.2	34.8
279	40.8	3.2	4.8#

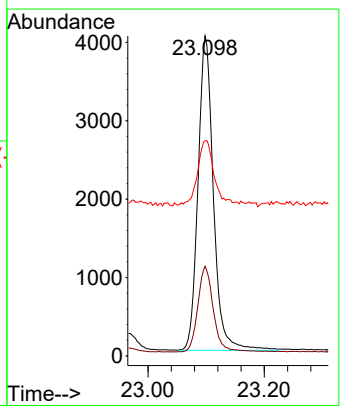




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.098 min Scan# 2787
Delta R.T. -0.006 min
Lab File: BN035228.D
Acq: 21 Nov 2024 18:48

Tgt Ion:264 Resp: 7371

Ion	Ratio	Lower	Upper
264	100		
260	28.0	20.9	31.3
265	67.3	35.4	53.2#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035229.D
Acq On : 21 Nov 2024 19:24
Operator : RC/JU
Sample : P4934-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Quant Time: Nov 21 23:05:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

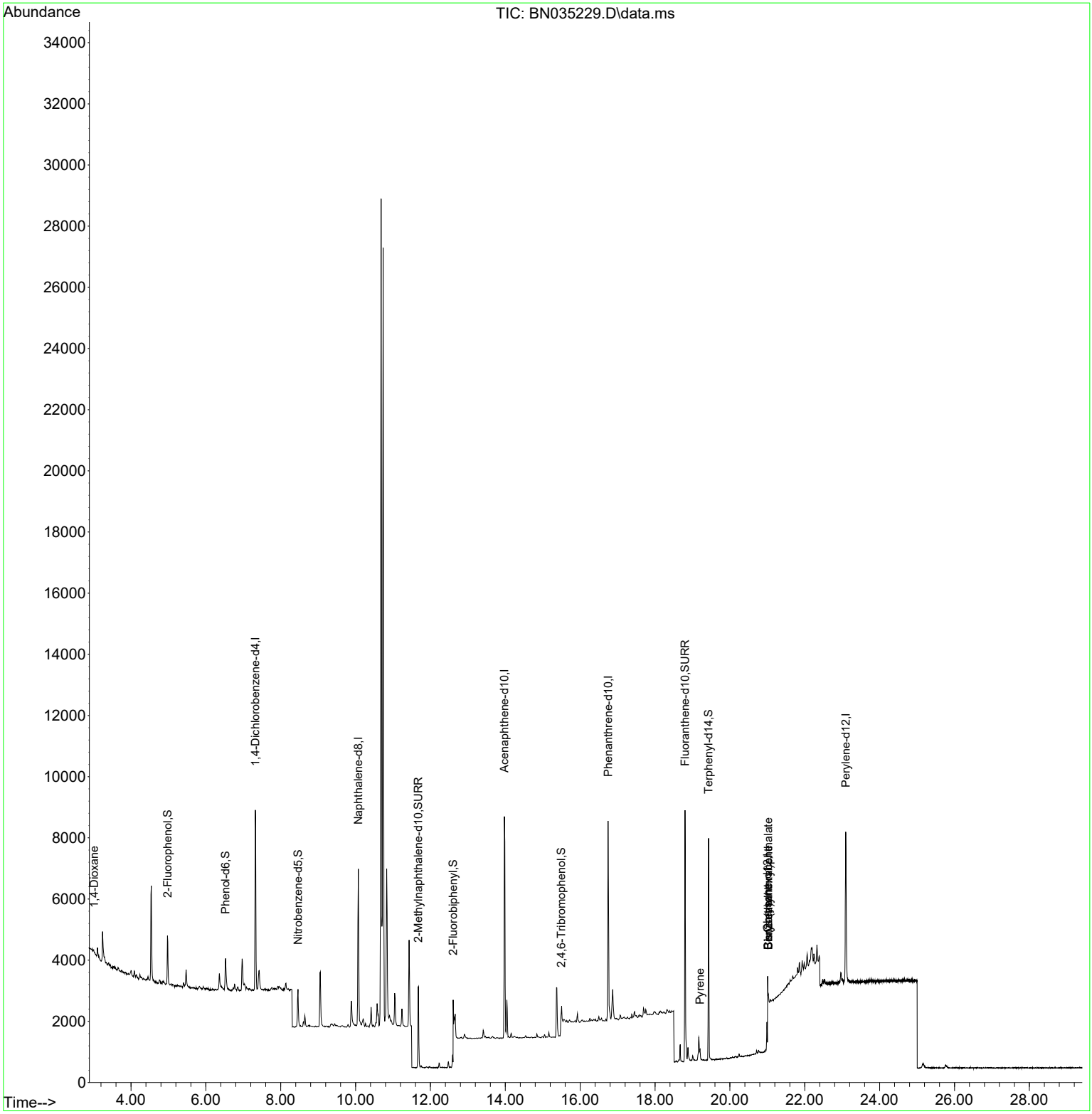
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.322	152	2749	0.400	ng	0.00
7) Naphthalene-d8	10.073	136	6688	0.400	ng	# 0.00
13) Acenaphthene-d10	13.976	164	4330	0.400	ng	-0.01
19) Phenanthrene-d10	16.746	188	8619	0.400	ng	# 0.00
29) Chrysene-d12	21.008	240	1170	0.400	ng	# 0.00
35) Perylene-d12	23.095	264	5974	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.982	112	1267	0.182	ng	0.00
5) Phenol-d6	6.528	99	948	0.108	ng	0.00
8) Nitrobenzene-d5	8.461	82	1311	0.225	ng	0.00
11) 2-Methylnaphthalene-d10	11.674	152	3299	0.277	ng	0.00
14) 2,4,6-Tribromophenol	15.494	330	730	0.234	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	1072	0.061	ng	0.00
27) Fluoranthene-d10	18.802	212	8814	0.334	ng	0.00
31) Terphenyl-d14	19.429	244	6893	2.808	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.018	88	52	0.021	ng	# 1
30) Pyrene	19.201	202	326	0.084	ng	# 95
32) Benzo(a)anthracene	21.026	228	520	0.128	ng	# 52
33) Chrysene	21.026	228	520	0.129	ng	# 57
34) Bis(2-ethylhexyl)phtha...	21.026	149	663	0.310	ng	# 93

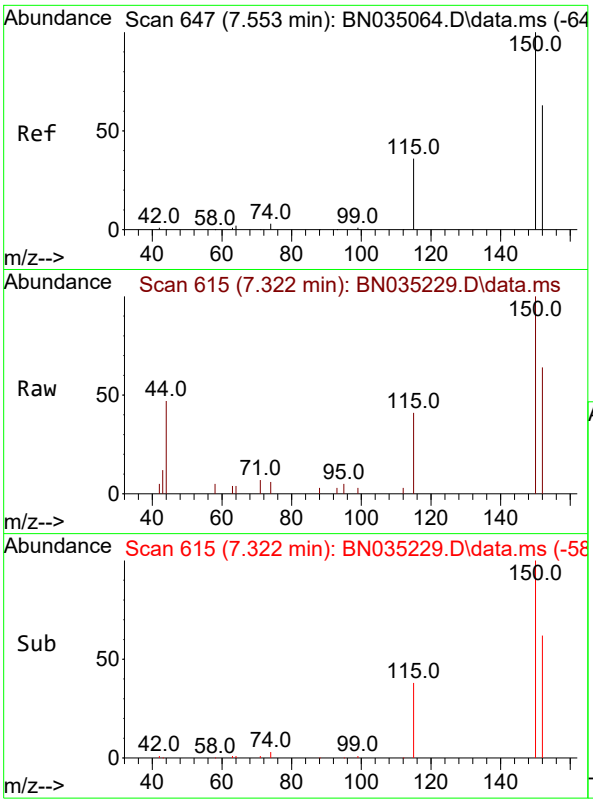
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035229.D
Acq On : 21 Nov 2024 19:24
Operator : RC/JU
Sample : P4934-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Quant Time: Nov 21 23:05:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration



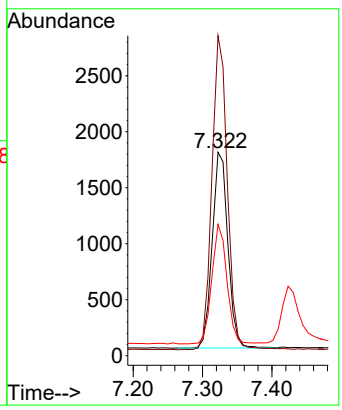


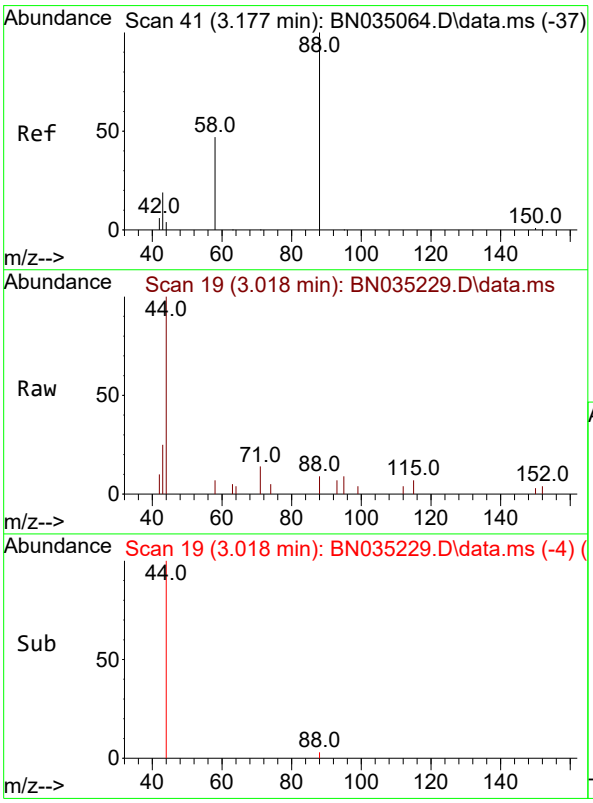
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.322 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Tgt Ion:152 Resp: 2749

Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.5	186.7
115	64.5	47.8	71.6

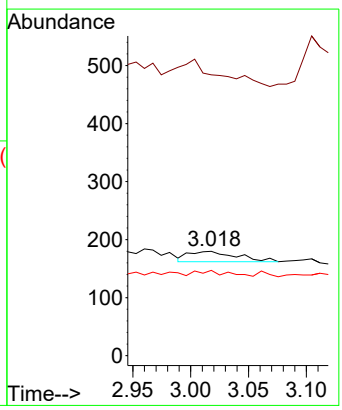


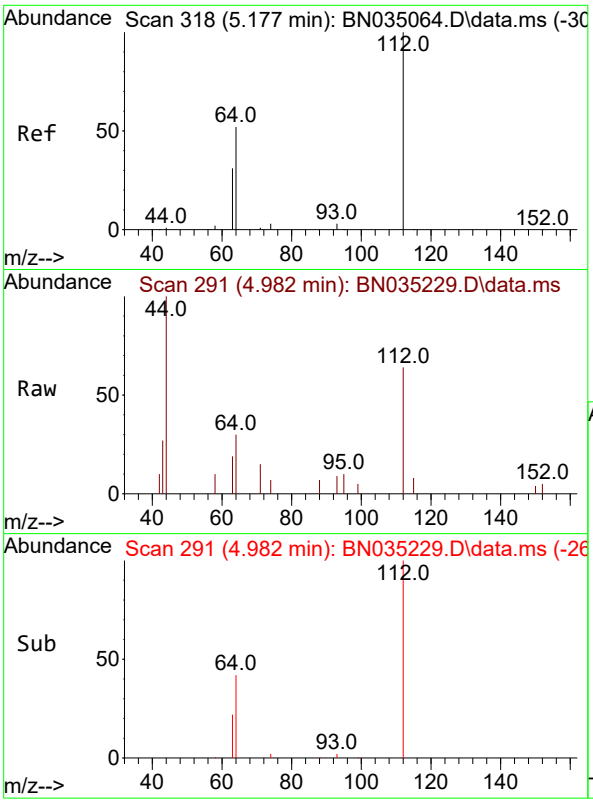


#2
1,4-Dioxane
Concen: 0.021 ng
RT: 3.018 min Scan# 19
Delta R.T. 0.007 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion: 88 Resp: 52

Ion	Ratio	Lower	Upper
88	100		
43	203.8	16.9	25.3#
58	32.7	39.0	58.4#



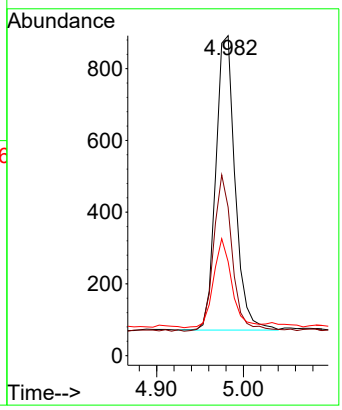


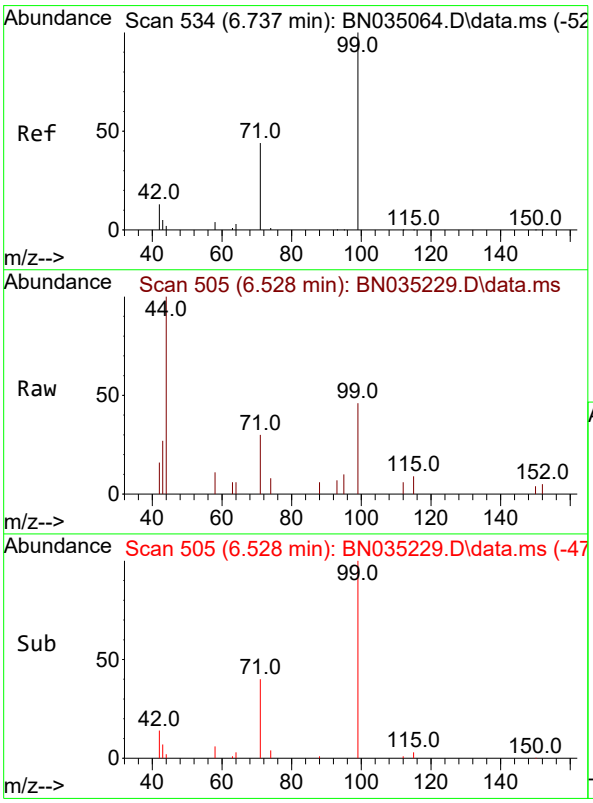
#4
2-Fluorophenol
Concen: 0.182 ng
RT: 4.982 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Tgt Ion:112 Resp: 1267

Ion	Ratio	Lower	Upper
112	100		
64	51.4	39.7	59.5
63	28.6	23.0	34.4

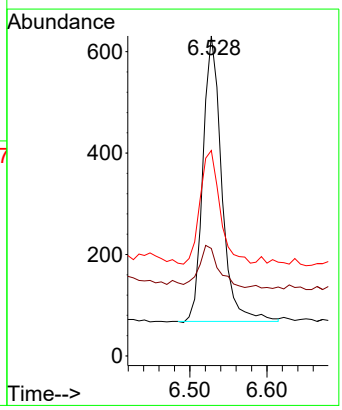


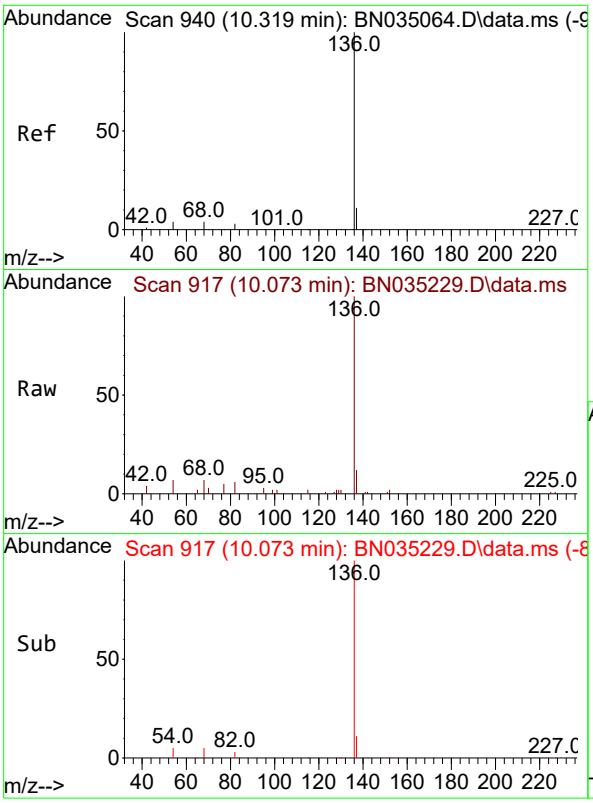


#5
Phenol-d6
Concen: 0.108 ng
RT: 6.528 min Scan# 505
Delta R.T. 0.000 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion: 99 Resp: 948

Ion	Ratio	Lower	Upper
99	100		
42	15.2	11.4	17.0
71	42.5	34.6	51.8



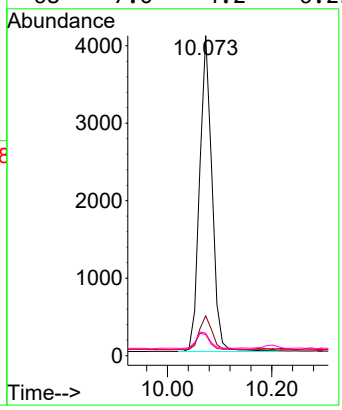


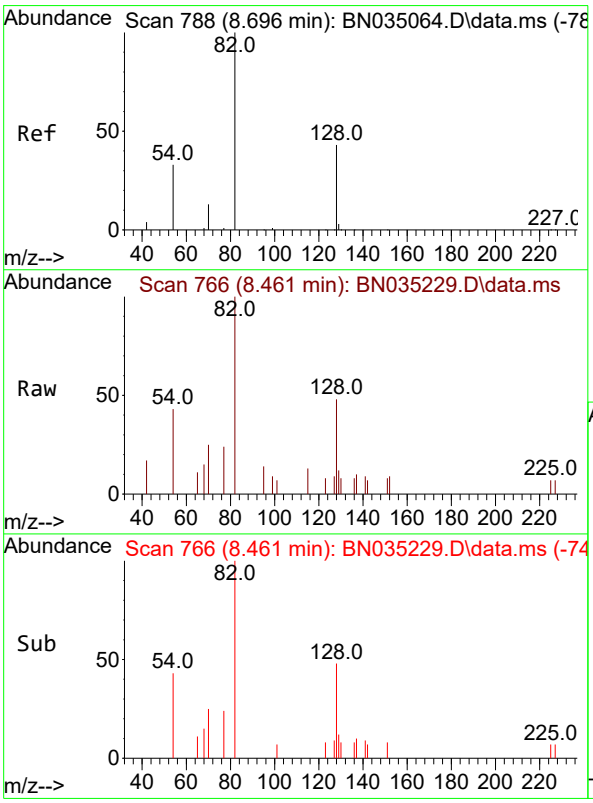
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.073 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Tgt Ion:136 Resp: 6688

Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.8	14.8
54	6.6	4.0	6.0#
68	7.0	4.2	6.2#

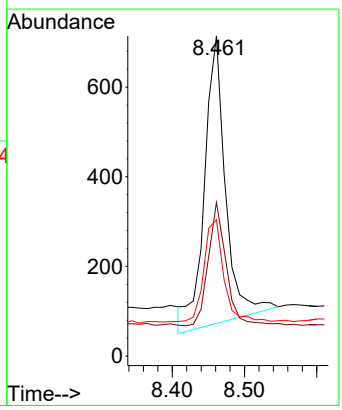


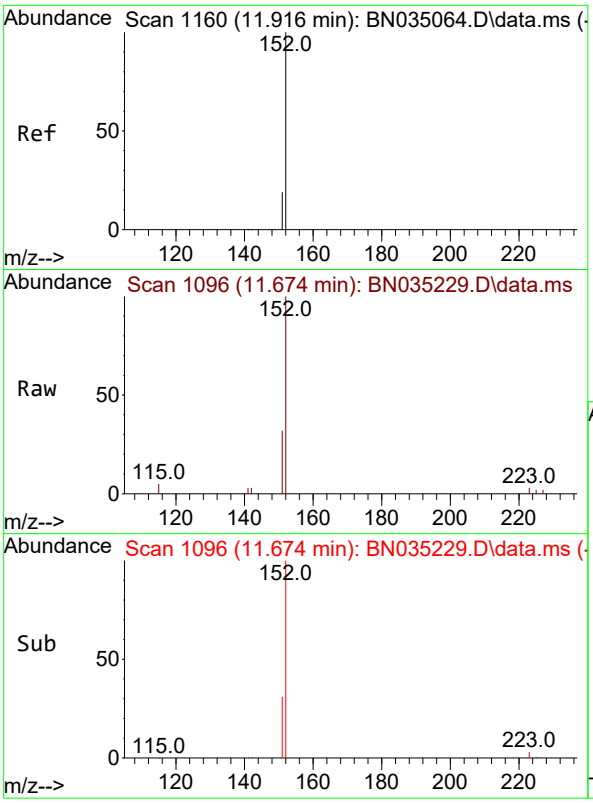


#8
Nitrobenzene-d5
Concen: 0.225 ng
RT: 8.461 min Scan# 766
Delta R.T. 0.000 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion: 82 Resp: 1311

Ion	Ratio	Lower	Upper
82	100		
128	48.0	36.5	54.7
54	42.6	28.7	43.1



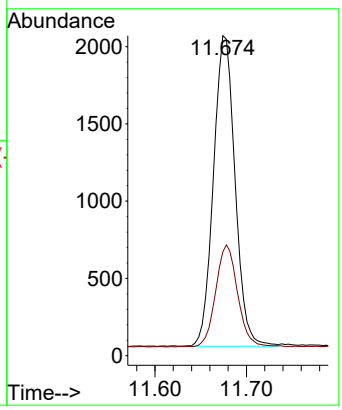


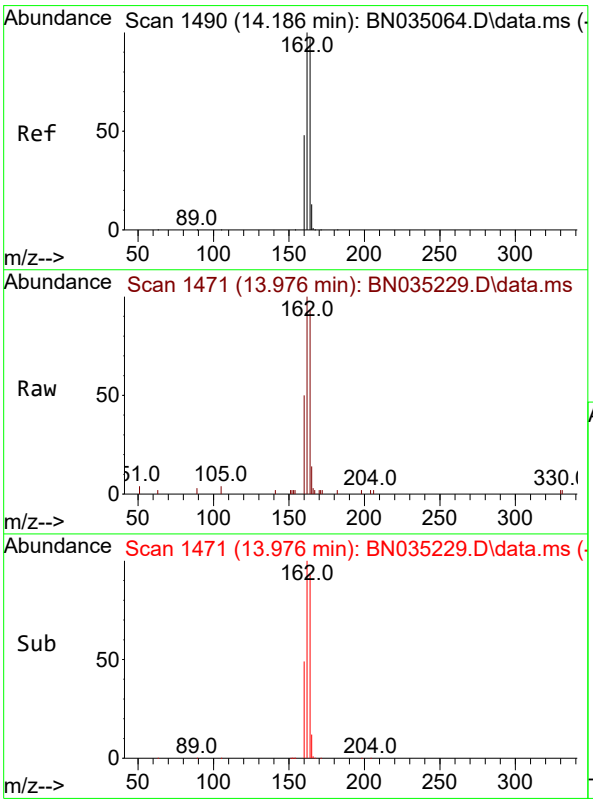
#11
2-Methylnaphthalene-d10
Concen: 0.277 ng
RT: 11.674 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Tgt Ion:152 Resp: 3299

Ion	Ratio	Lower	Upper
152	100		
151	33.4	16.2	24.4#

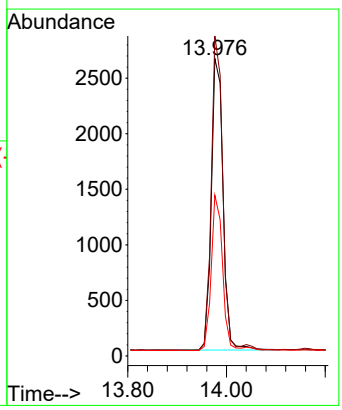


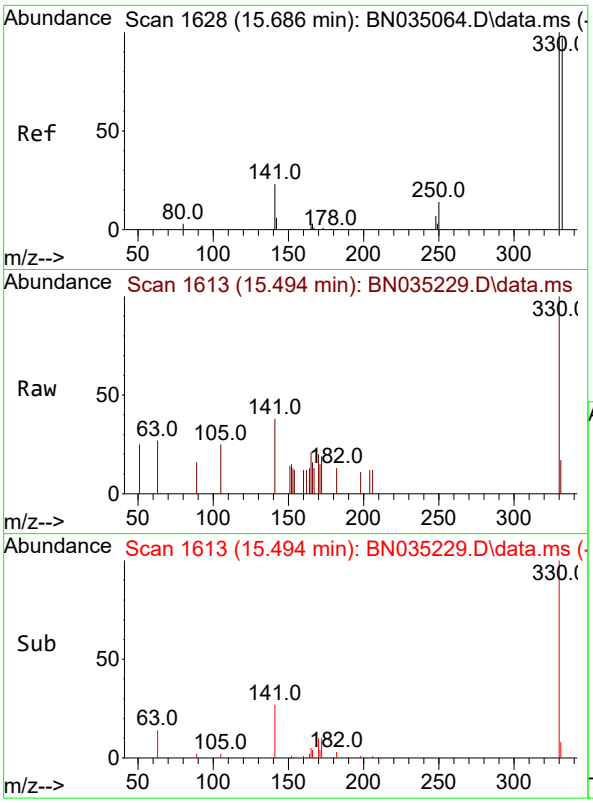


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 1471
Delta R.T. -0.011 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion:164 Resp: 4330

Ion	Ratio	Lower	Upper
164	100		
162	107.6	82.2	123.2
160	54.1	40.2	60.4



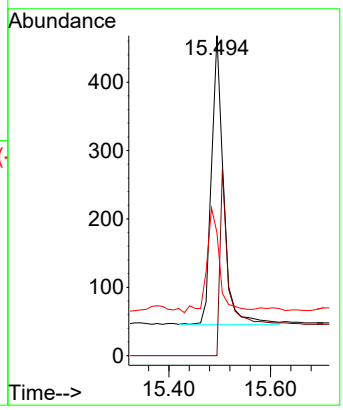


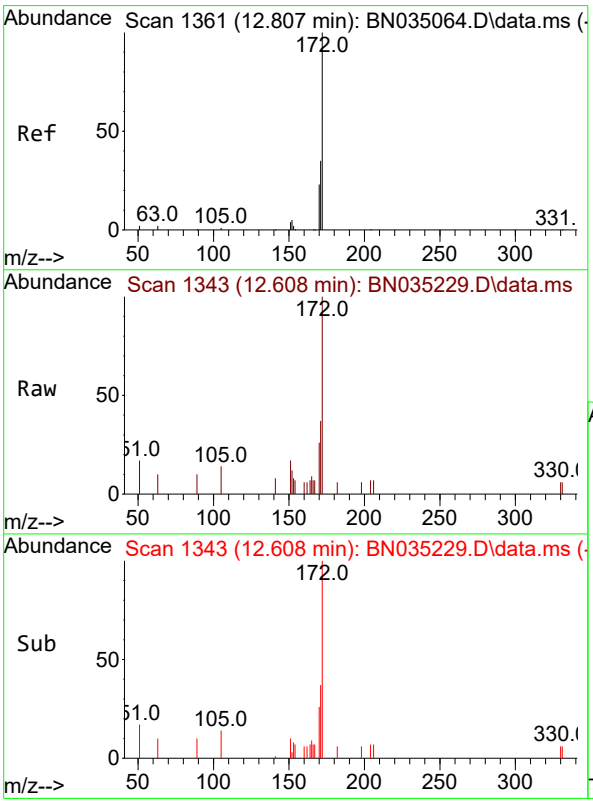
#14
2,4,6-Tribromophenol
Concen: 0.234 ng
RT: 15.494 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Tgt Ion:330 Resp: 730

Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.9	115.3#
141	38.4	29.6	44.4

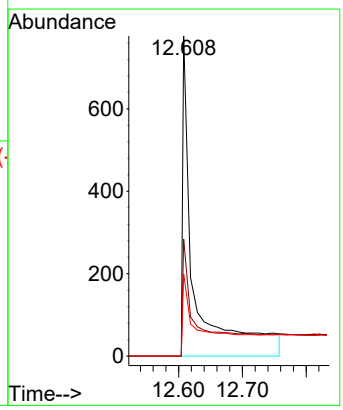


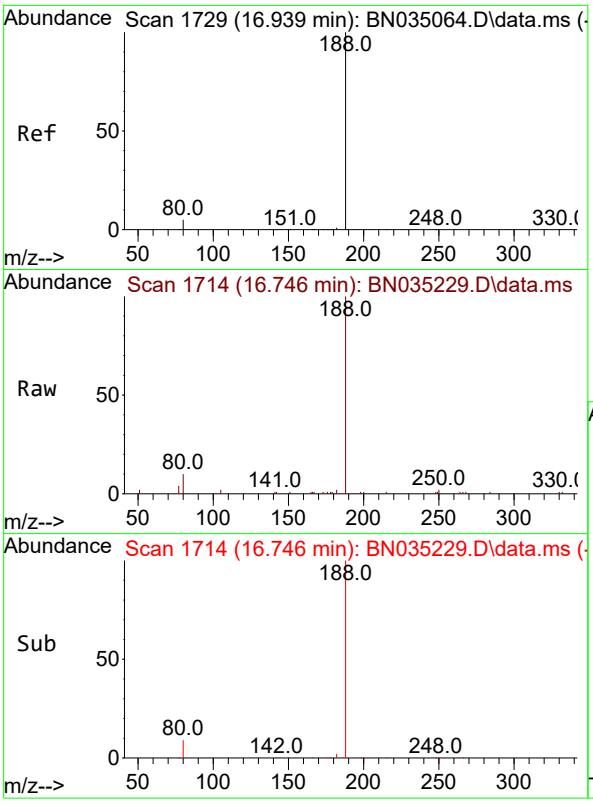


#15
2-Fluorobiphenyl
Concen: 0.061 ng
RT: 12.608 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion:172 Resp: 1072

Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.2	42.4
170	25.6	19.0	28.6



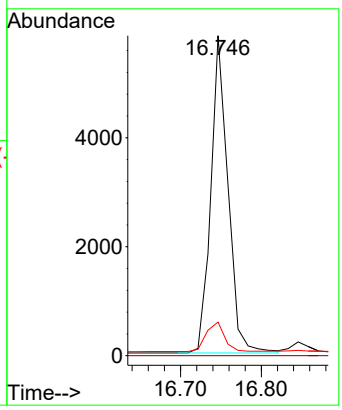


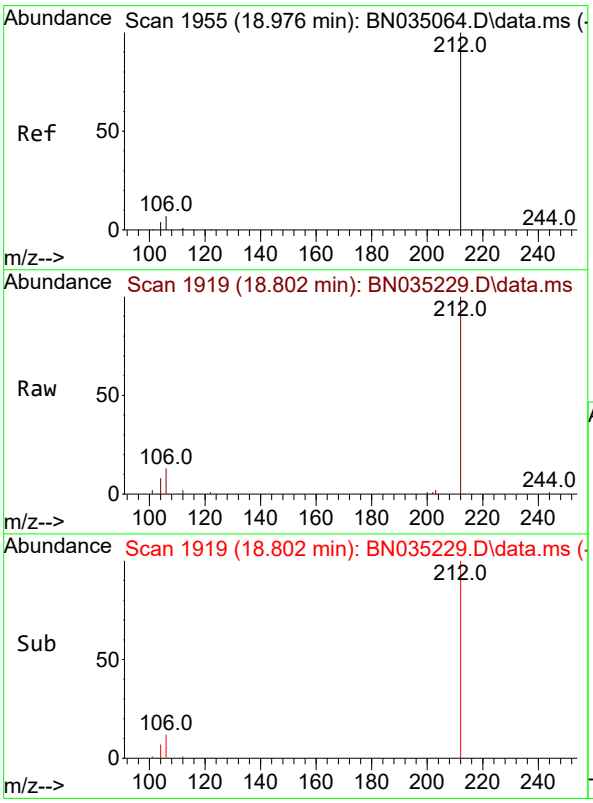
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.746 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Tgt Ion:188 Resp: 8619

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.5	4.3	6.5#

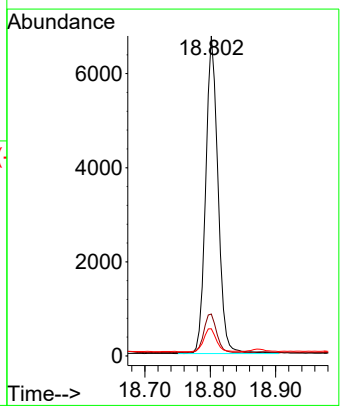


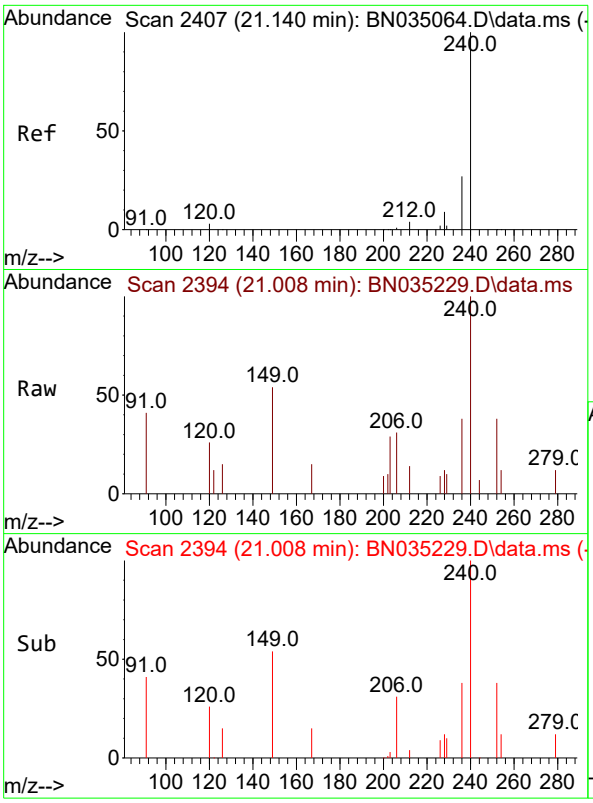


#27
Fluoranthene-d10
Concen: 0.334 ng
RT: 18.802 min Scan# 1919
Delta R.T. -0.005 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion:212 Resp: 8814

Ion	Ratio	Lower	Upper
212	100		
106	12.6	6.0	9.0#
104	7.3	3.5	5.3#



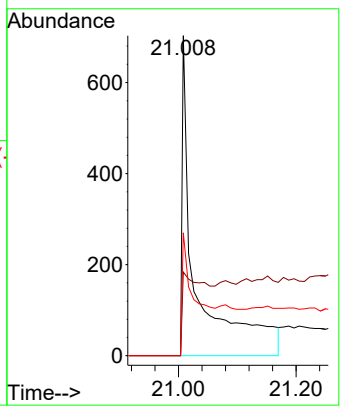


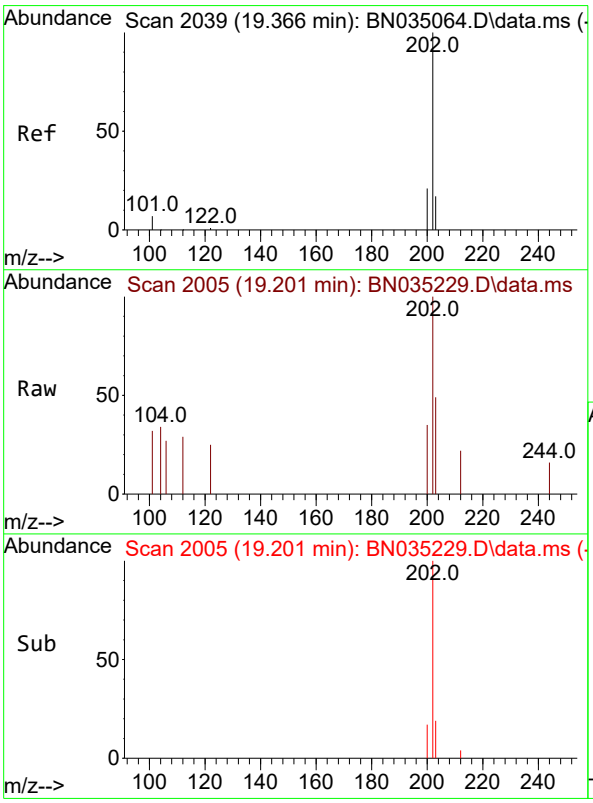
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Tgt Ion:240 Resp: 1170

Ion	Ratio	Lower	Upper
240	100		
120	26.2	3.8	5.6#
236	38.4	22.2	33.2#

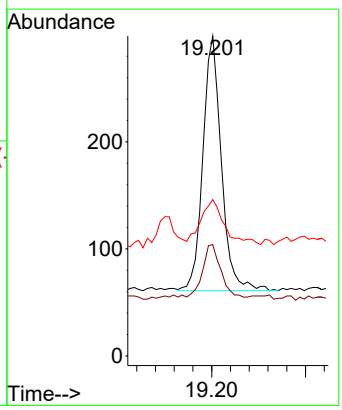


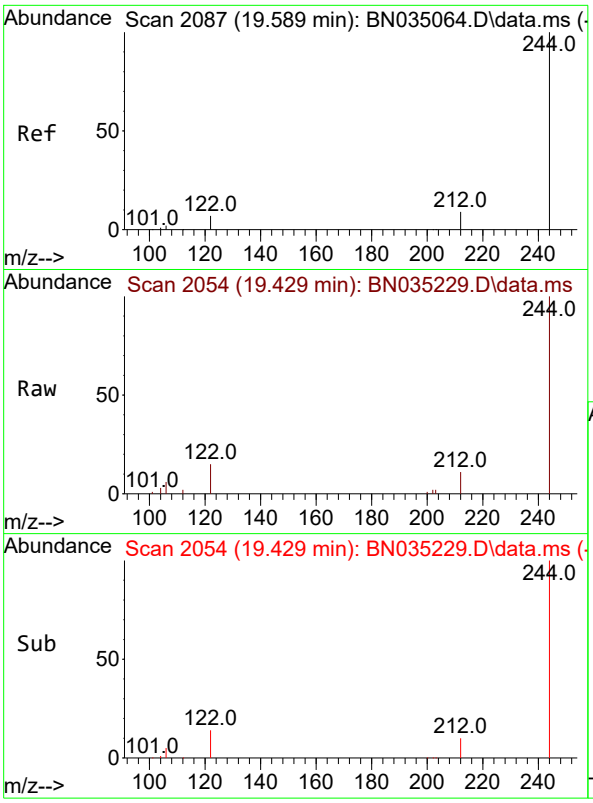


#30
Pyrene
Concen: 0.084 ng
RT: 19.201 min Scan# 2005
Delta R.T. -0.005 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion:202 Resp: 326

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	22.1	14.2	21.4#



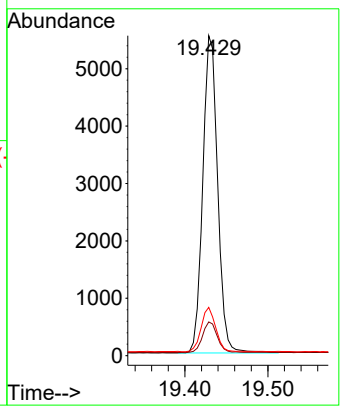


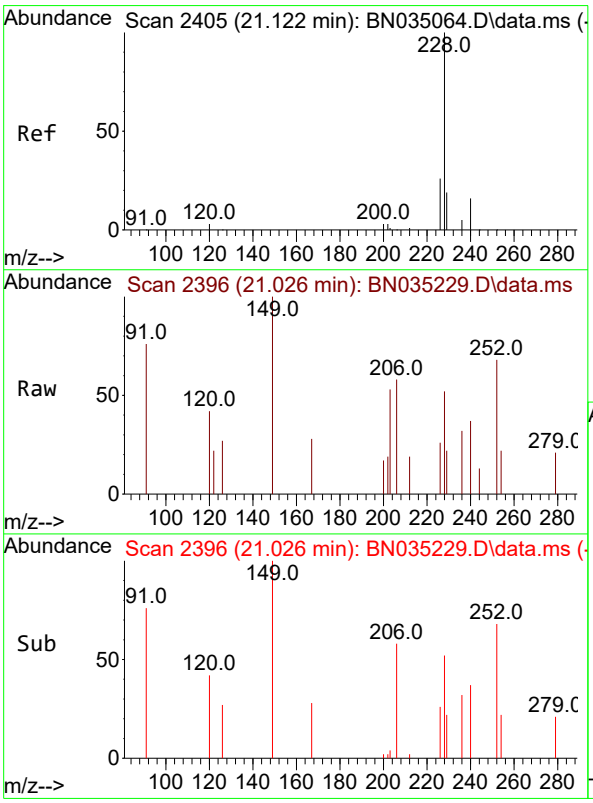
#31
Terphenyl-d14
Concen: 2.808 ng
RT: 19.429 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Tgt Ion:244 Resp: 6893

Ion	Ratio	Lower	Upper
244	100		
212	10.5	7.6	11.4
122	15.1	6.1	9.1#

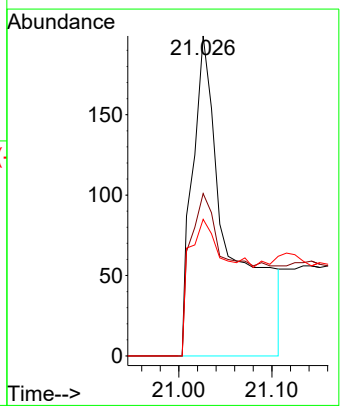


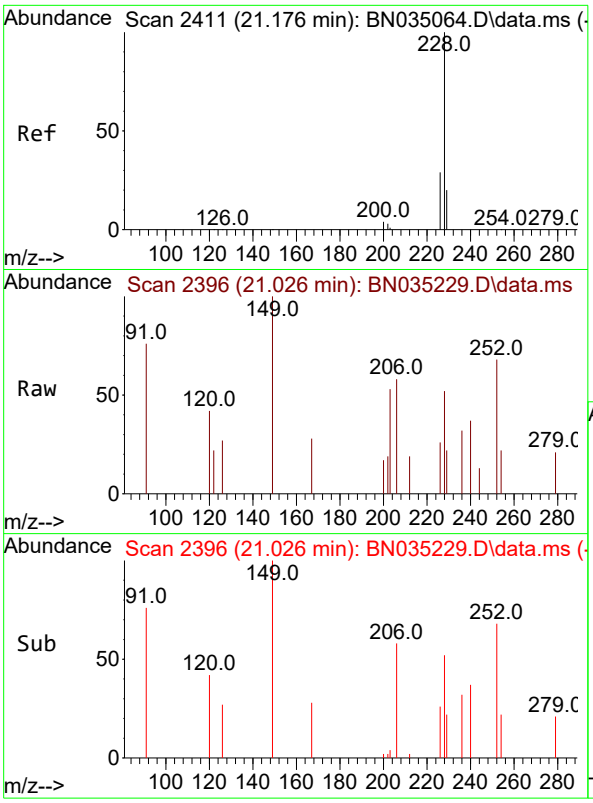


#32
Benzo(a)anthracene
Concen: 0.128 ng
RT: 21.026 min Scan# 2396
Delta R.T. -0.009 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion:228 Resp: 520

Ion	Ratio	Lower	Upper
228	100		
226	50.8	21.4	32.0#
229	42.7	15.7	23.5#



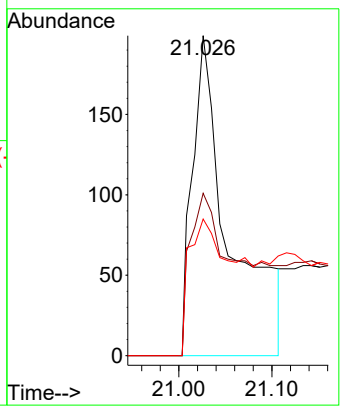


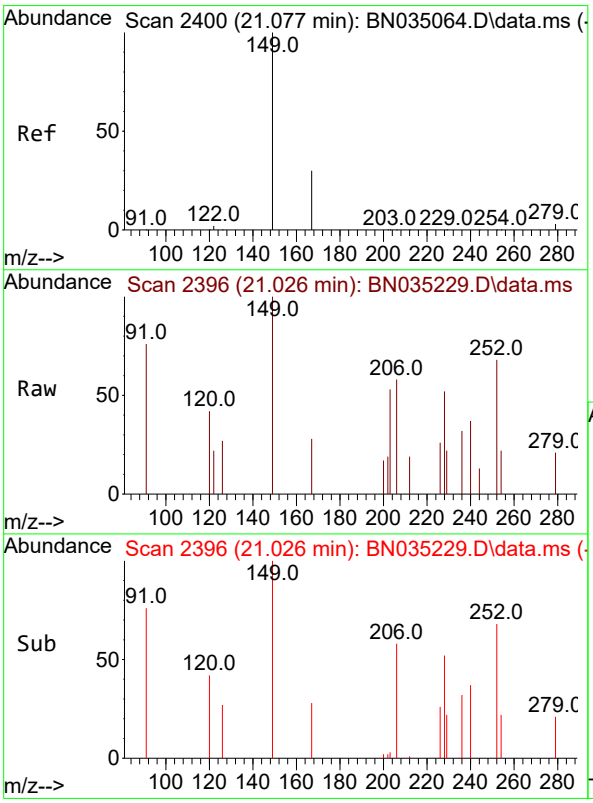
#33
Chrysene
Concen: 0.129 ng
RT: 21.026 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Tgt Ion:228 Resp: 520

Ion	Ratio	Lower	Upper
228	100		
226	50.8	23.7	35.5#
229	42.7	16.2	24.4#

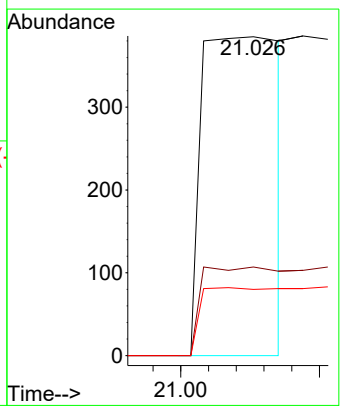


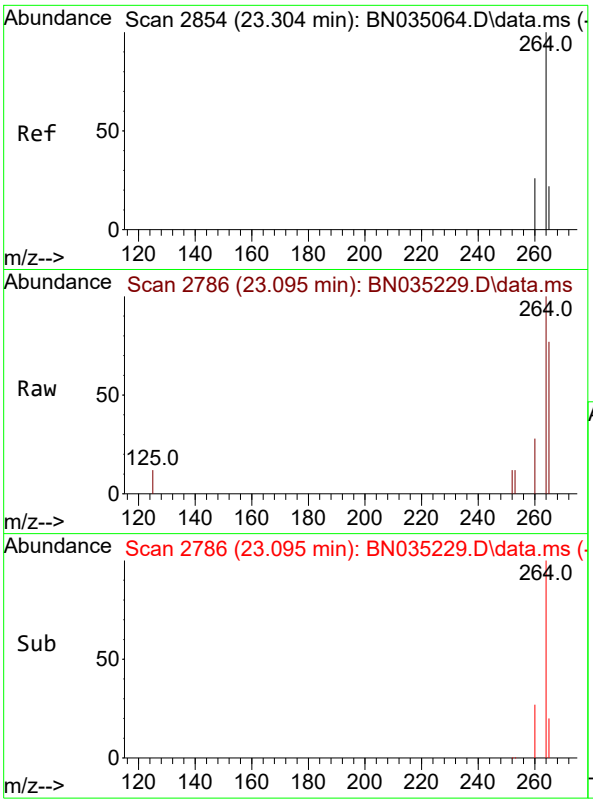


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.310 ng
RT: 21.026 min Scan# 2396
Delta R.T. 0.000 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Tgt Ion:149 Resp: 663

Ion	Ratio	Lower	Upper
149	100		
167	27.5	23.2	34.8
279	14.9	3.2	4.8#



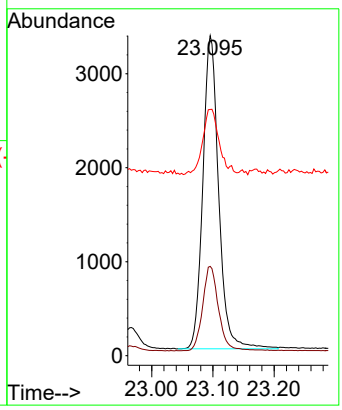


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.095 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035229.D
Acq: 21 Nov 2024 19:24

Instrument :
BNA_N
ClientSampleId :
DUP01-20241118

Tgt Ion:264 Resp: 5974

Ion	Ratio	Lower	Upper
264	100		
260	27.9	20.9	31.3
265	77.0	35.4	53.2#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035232.D
Acq On : 21 Nov 2024 21:12
Operator : RC/JU
Sample : P4934-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RB01-20241119

Quant Time: Nov 21 23:06:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.322	152	2945	0.400	ng	0.00
7) Naphthalene-d8	10.073	136	7124	0.400	ng	# 0.00
13) Acenaphthene-d10	13.976	164	4659	0.400	ng	-0.01
19) Phenanthrene-d10	16.746	188	9464	0.400	ng	# 0.00
29) Chrysene-d12	21.008	240	1183	0.400	ng	# 0.00
35) Perylene-d12	23.095	264	6123	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.975	112	880	0.118	ng	0.00
5) Phenol-d6	6.528	99	602	0.064	ng	0.00
8) Nitrobenzene-d5	8.461	82	1543	0.249	ng	0.00
11) 2-Methylnaphthalene-d10	11.674	152	3635	0.286	ng	0.00
14) 2,4,6-Tribromophenol	15.494	330	812	0.242	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	1183	0.063	ng	0.00
27) Fluoranthene-d10	18.801	212	10201	0.352	ng	0.00
31) Terphenyl-d14	19.429	244	10405	4.192	ng	0.00
Target Compounds						Qvalue
30) Pyrene	19.201	202	94	0.024	ng	# 86
32) Benzo(a)anthracene	21.026	228	328	0.080	ng	# 1
33) Chrysene	21.026	228	328	0.080	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.017	149	470	0.217	ng	# 68

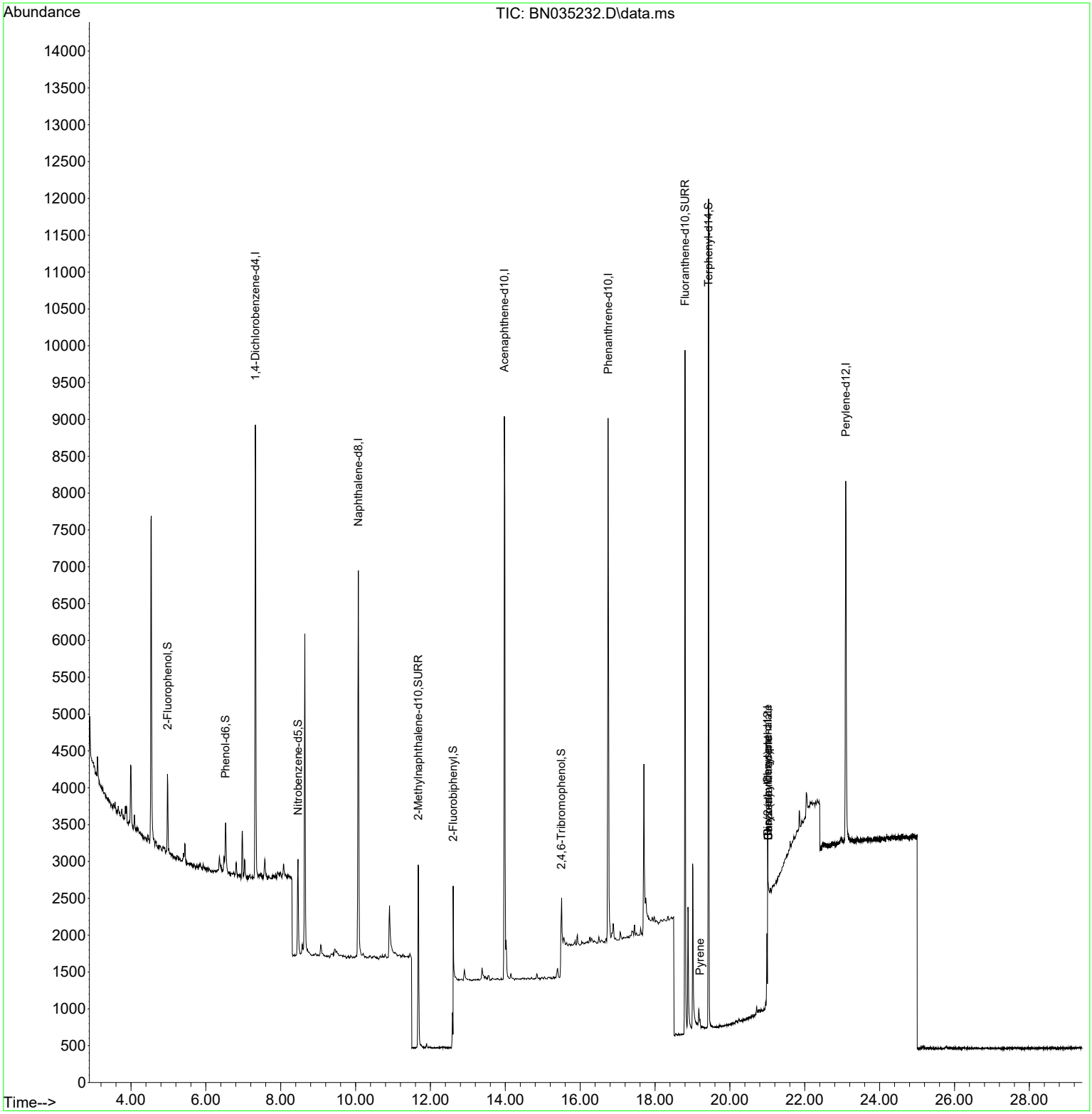
(#) = qualifier out of range (m) = manual integration (+) = signals summed

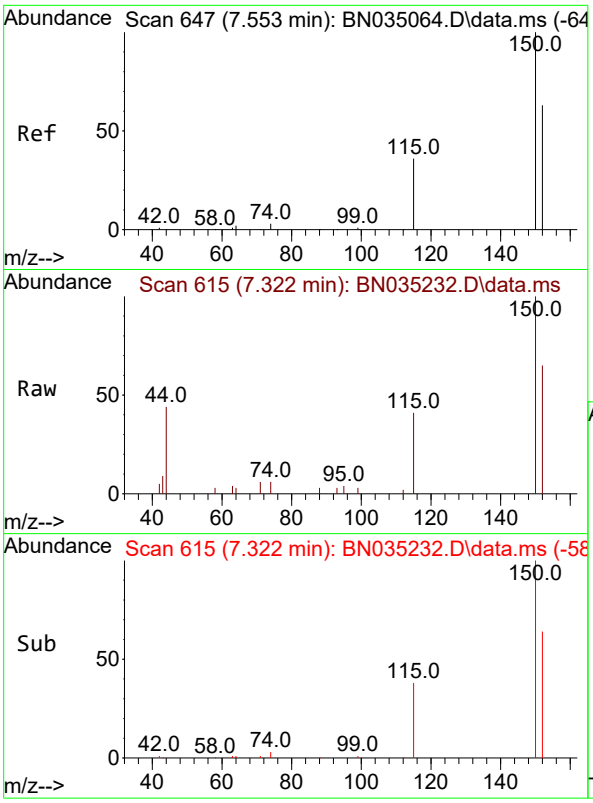
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035232.D
Acq On : 21 Nov 2024 21:12
Operator : RC/JU
Sample : P4934-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RB01-20241119

Quant Time: Nov 21 23:06:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration



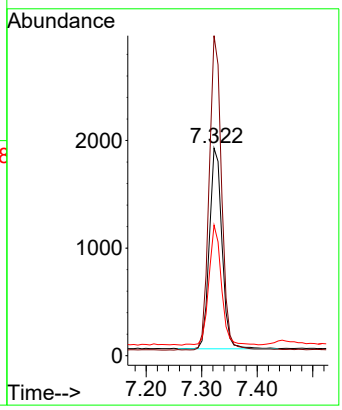


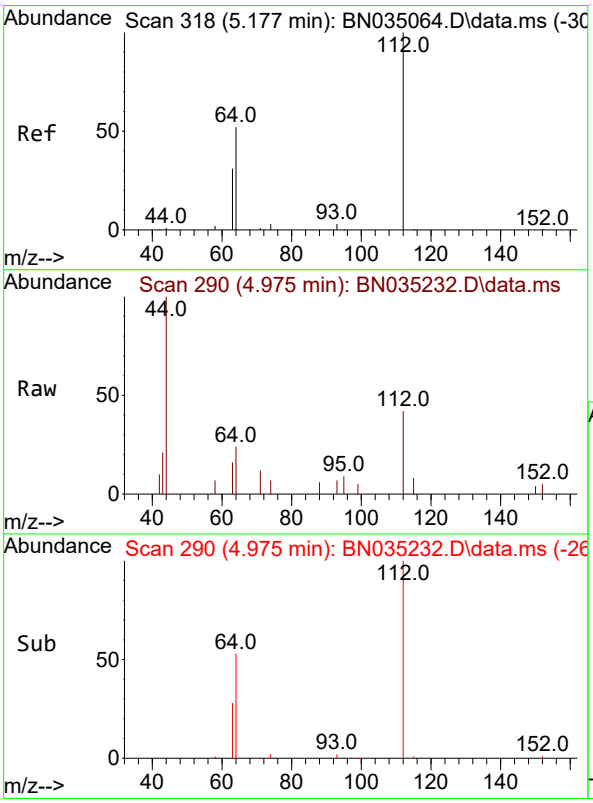
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.322 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Instrument :
BNA_N
ClientSampleId :
RB01-20241119

Tgt Ion:152 Resp: 2945

Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.5	186.7
115	62.9	47.8	71.6

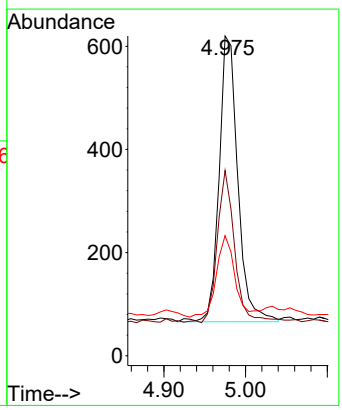


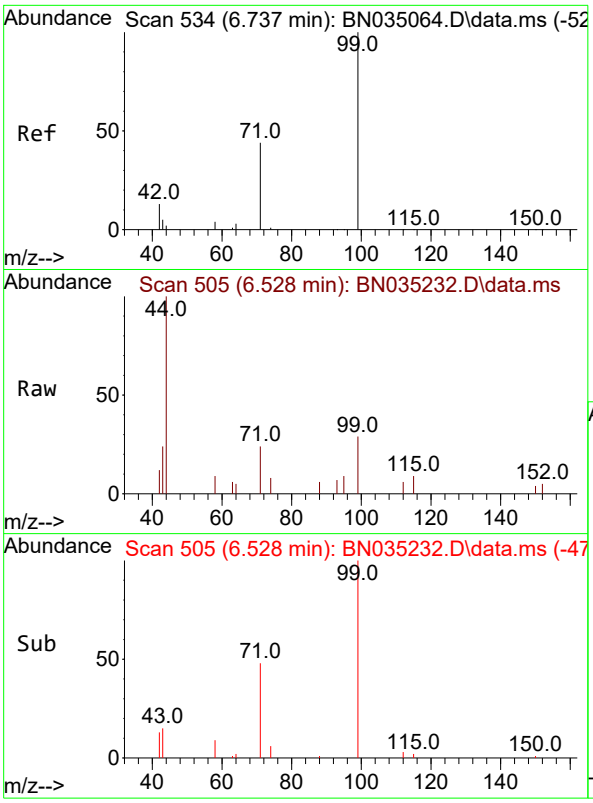


#4
2-Fluorophenol
Concen: 0.118 ng
RT: 4.975 min Scan# 290
Delta R.T. -0.007 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion:112 Resp: 880

Ion	Ratio	Lower	Upper
112	100		
64	48.5	39.7	59.5
63	28.0	23.0	34.4



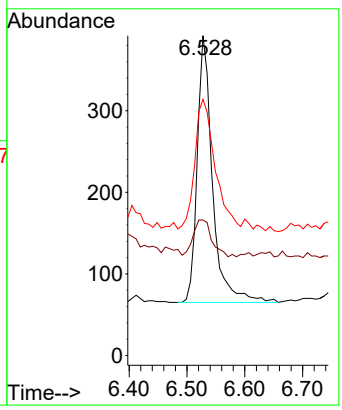


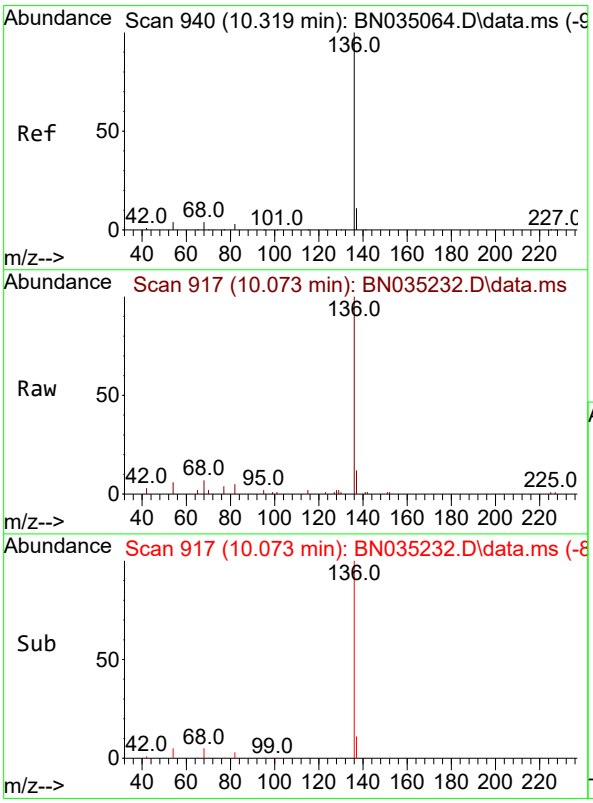
#5
Phenol-d6
Concen: 0.064 ng
RT: 6.528 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Instrument :
BNA_N
ClientSampleId :
RB01-20241119

Tgt Ion: 99 Resp: 602

Ion	Ratio	Lower	Upper
99	100		
42	16.9	11.4	17.0
71	63.8	34.6	51.8#

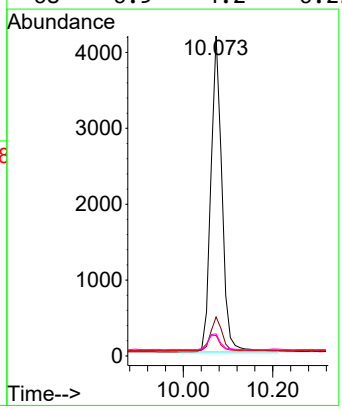


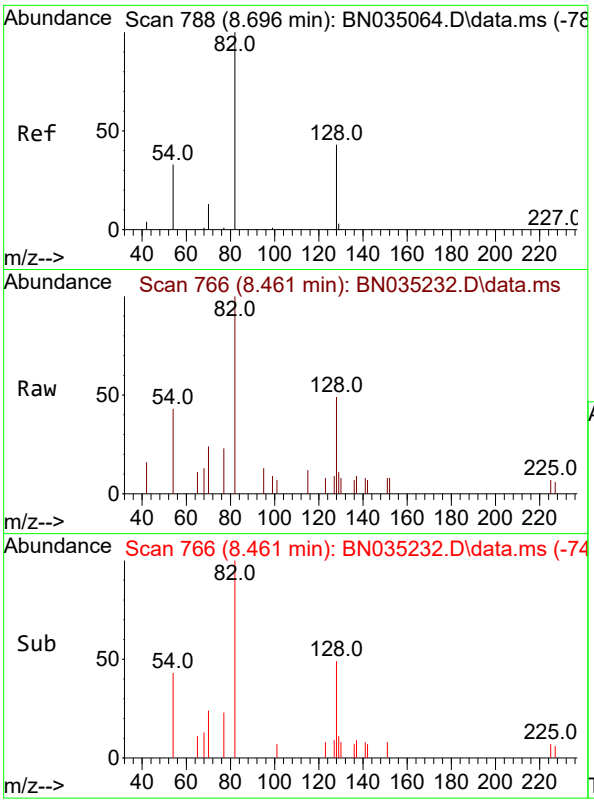


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.073 min Scan# 917
Delta R.T. -0.000 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion:136 Resp: 7124

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.8	14.8
54	6.4	4.0	6.0#
68	6.9	4.2	6.2#



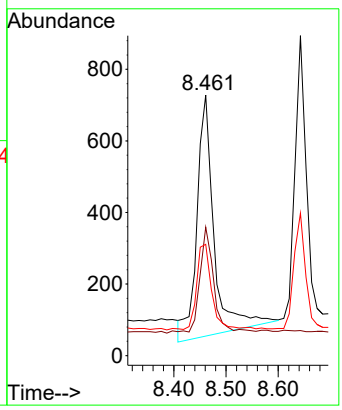


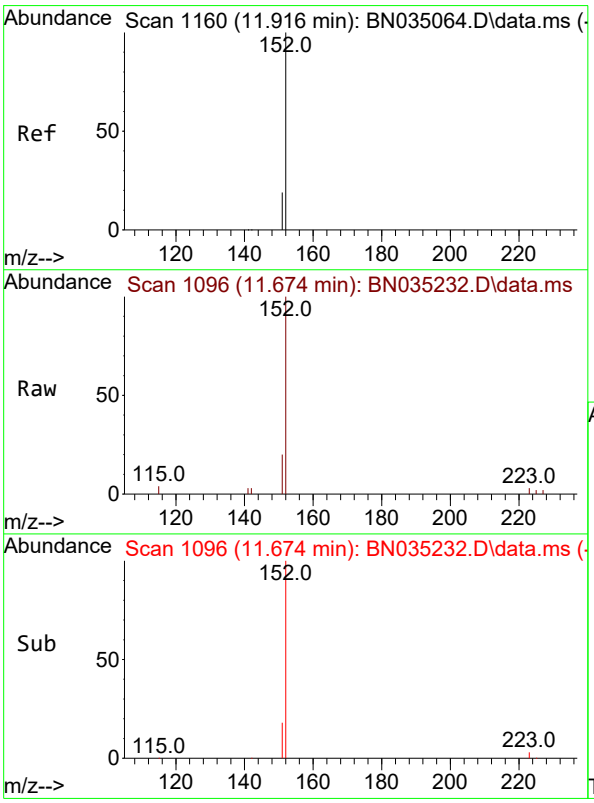
#8
Nitrobenzene-d5
Concen: 0.249 ng
RT: 8.461 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Instrument :
BNA_N
ClientSampleId :
RB01-20241119

Tgt Ion: 82 Resp: 1543

Ion	Ratio	Lower	Upper
82	100		
128	49.3	36.5	54.7
54	42.7	28.7	43.1

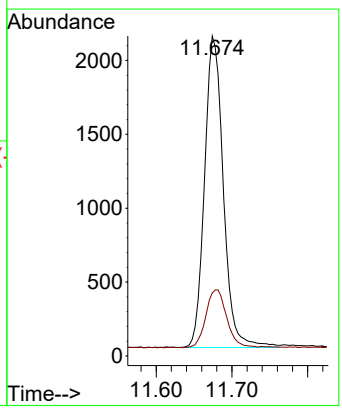


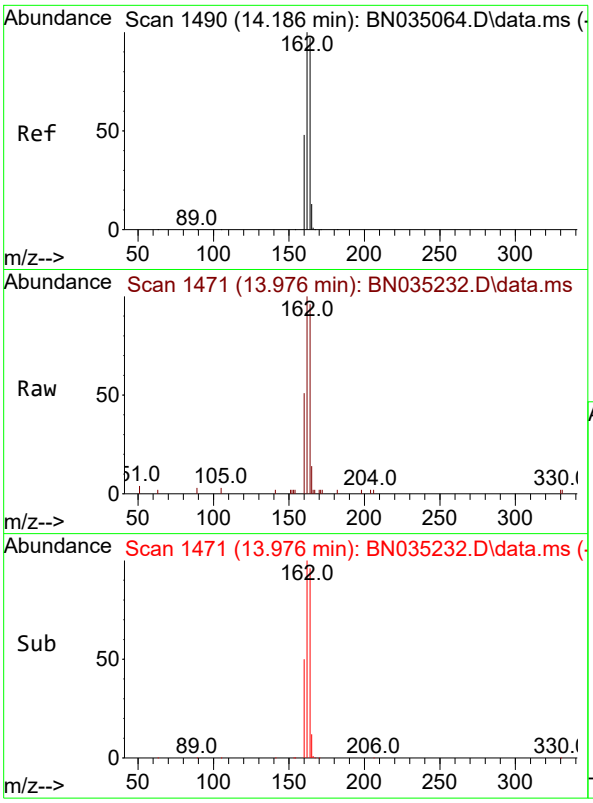


#11
2-Methylnaphthalene-d10
Concen: 0.286 ng
RT: 11.674 min Scan# 1096
Delta R.T. -0.004 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion:152 Resp: 3635

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.4



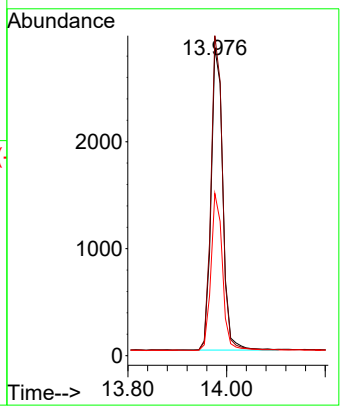


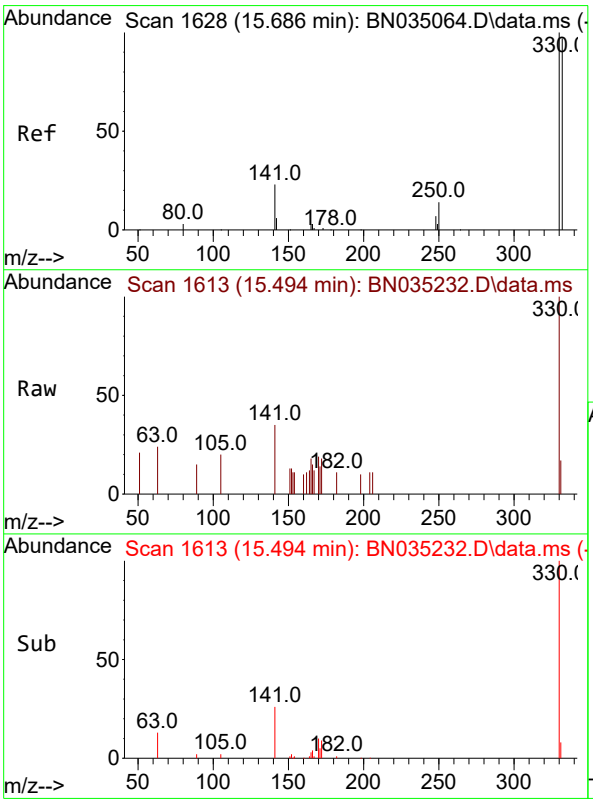
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Instrument :
BNA_N
ClientSampleId :
RB01-20241119

Tgt Ion:164 Resp: 4659

Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.2	123.2
160	52.7	40.2	60.4

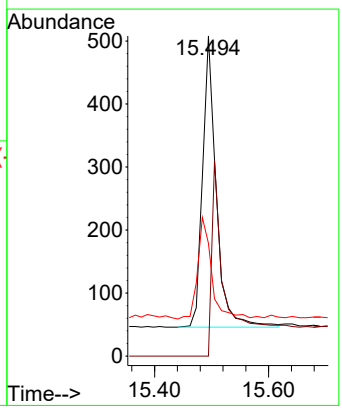


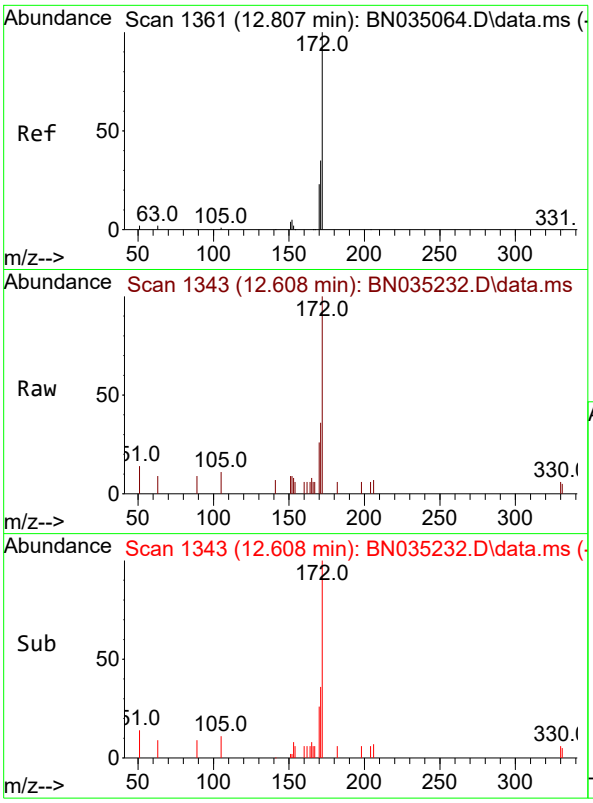


#14
2,4,6-Tribromophenol
Concen: 0.242 ng
RT: 15.494 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion:330 Resp: 812

Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.9	115.3#
141	36.2	29.6	44.4



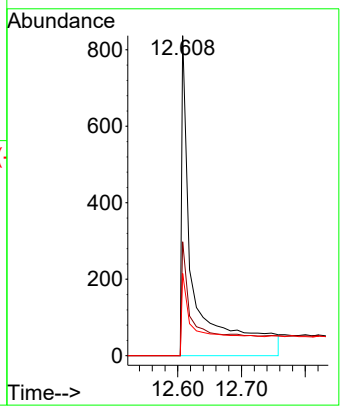


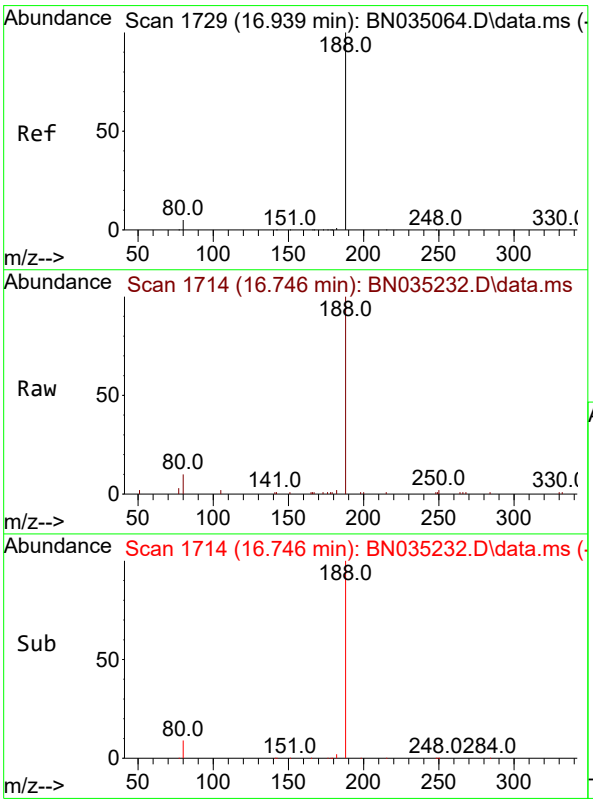
#15
2-Fluorobiphenyl
Concen: 0.063 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Instrument :
BNA_N
ClientSampleId :
RB01-20241119

Tgt Ion:172 Resp: 1183

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.4
170	25.7	19.0	28.6

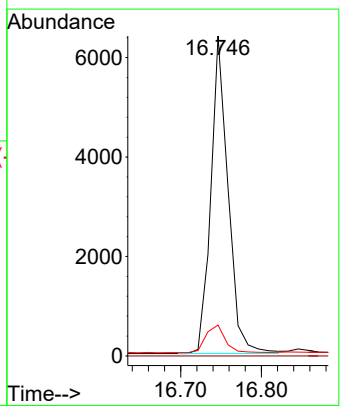


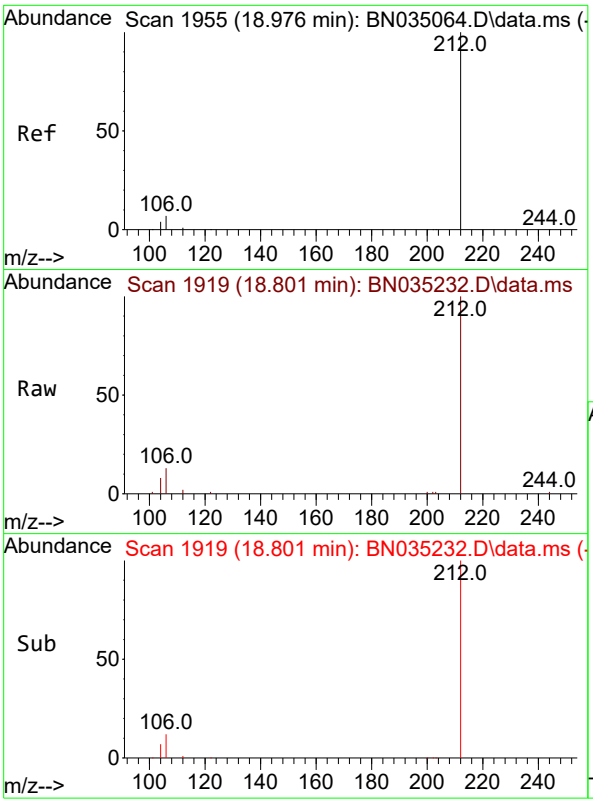


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.746 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion:188 Resp: 9464

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	4.3	6.5#



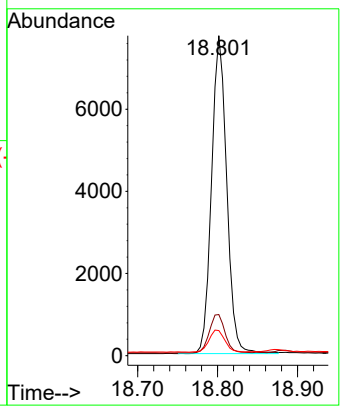


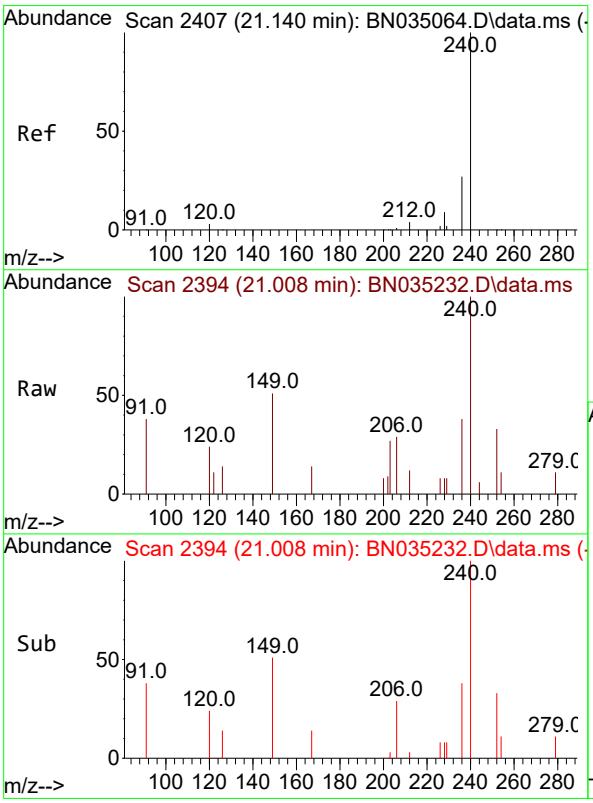
#27
Fluoranthene-d10
Concen: 0.352 ng
RT: 18.801 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Instrument :
BNA_N
ClientSampleId :
RB01-20241119

Tgt Ion:212 Resp: 10201

Ion	Ratio	Lower	Upper
212	100		
106	12.7	6.0	9.0#
104	7.2	3.5	5.3#

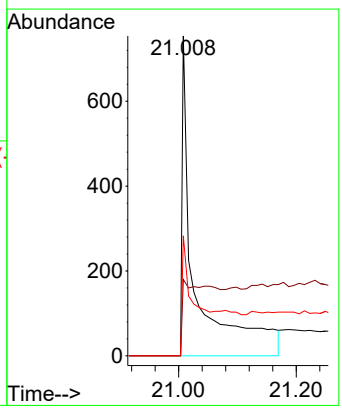


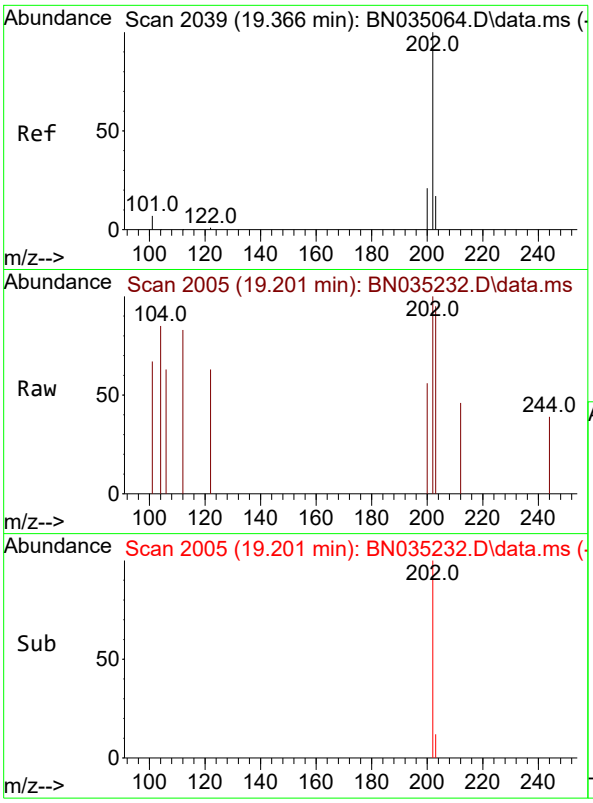


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion:240 Resp: 1183

Ion	Ratio	Lower	Upper
240	100		
120	23.9	3.8	5.6#
236	37.5	22.2	33.2#



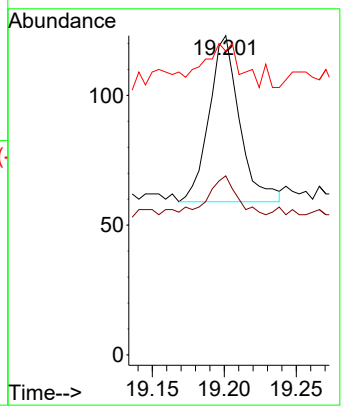


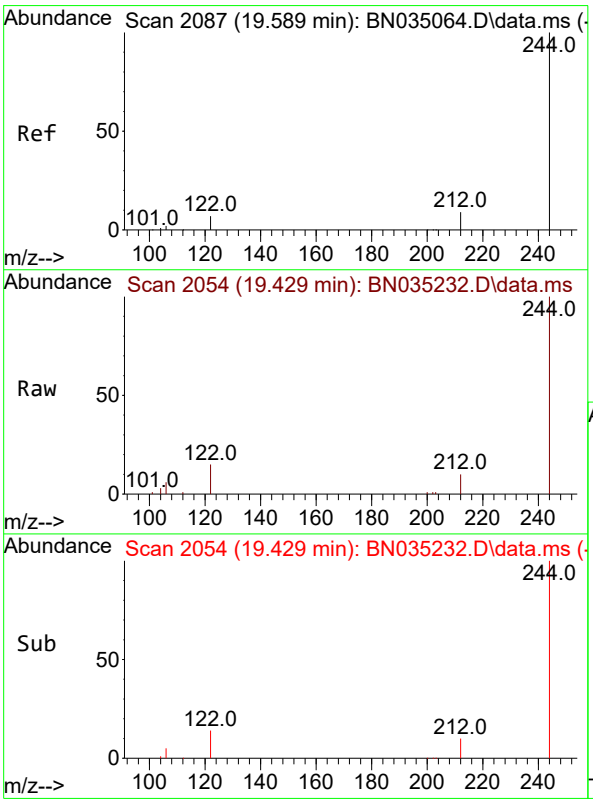
#30
Pyrene
Concen: 0.024 ng
RT: 19.201 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Instrument :
BNA_N
ClientSampleId :
RB01-20241119

Tgt Ion:202 Resp: 94

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	30.9	14.2	21.4#

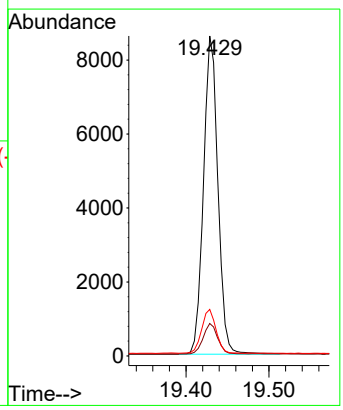


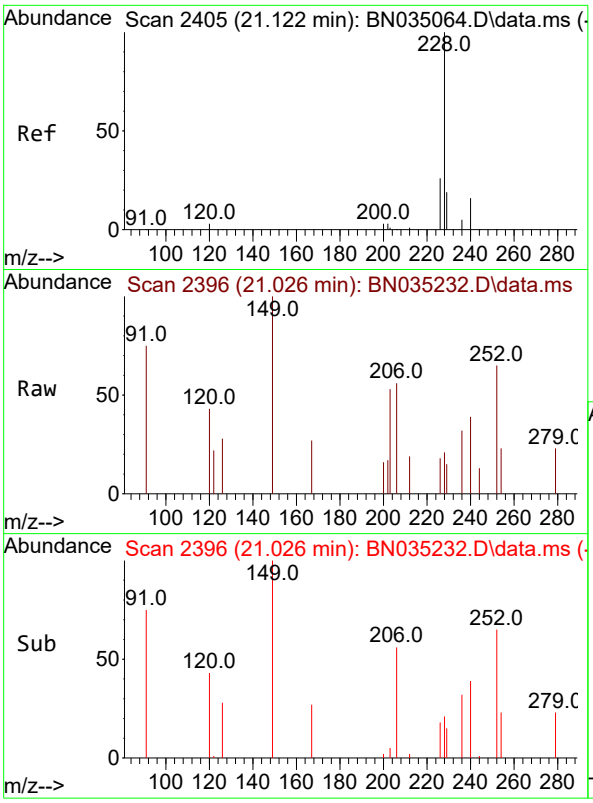


#31
Terphenyl-d14
Concen: 4.192 ng
RT: 19.429 min Scan# 2054
Delta R.T. -0.009 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion:244 Resp: 10405

Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.6	11.4
122	14.5	6.1	9.1#



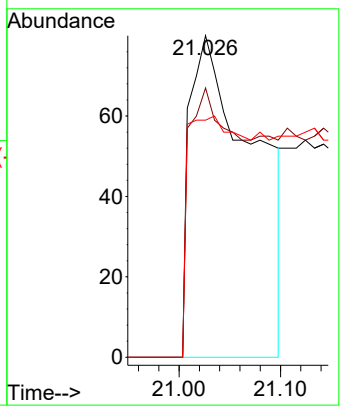


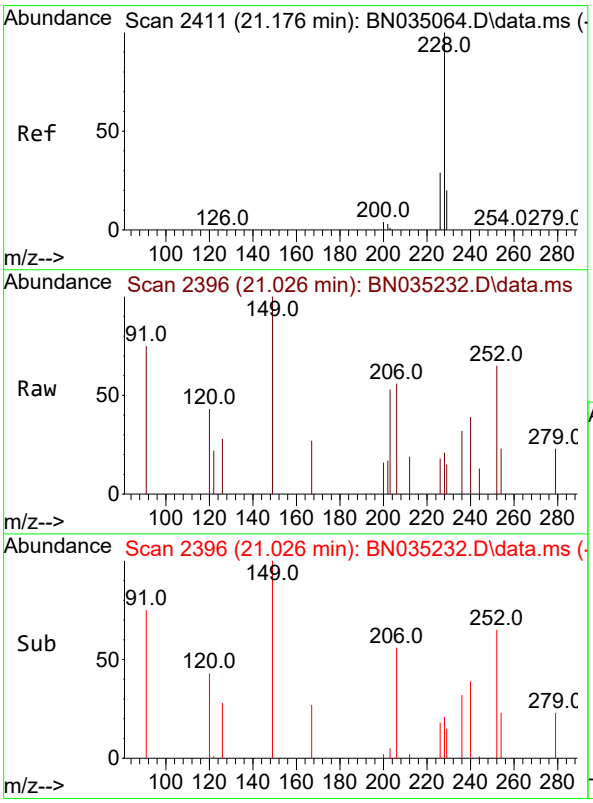
#32
Benzo(a)anthracene
Concen: 0.080 ng
RT: 21.026 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Instrument :
BNA_N
ClientSampleId :
RB01-20241119

Tgt Ion:228 Resp: 328

Ion	Ratio	Lower	Upper
228	100		
226	83.7	21.4	32.0#
229	73.8	15.7	23.5#

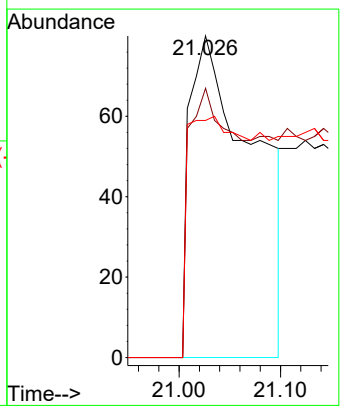


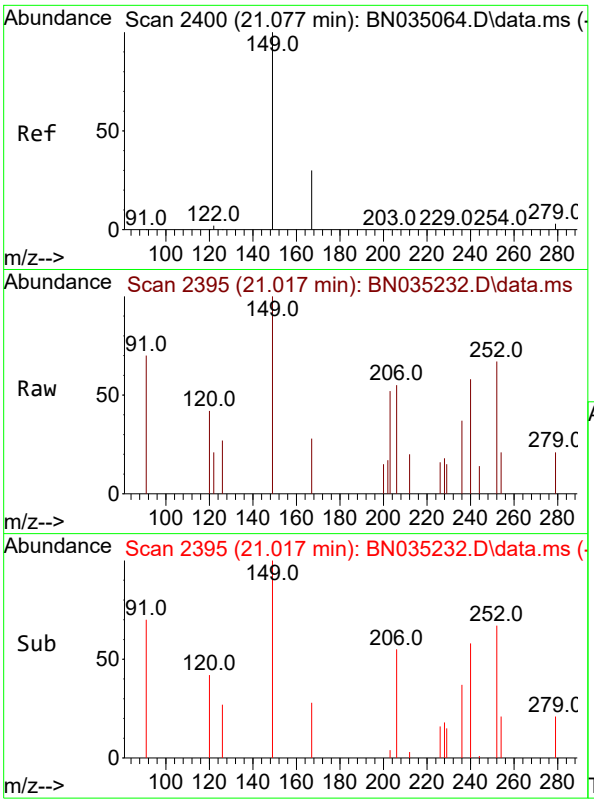


#33
Chrysene
Concen: 0.080 ng
RT: 21.026 min Scan# 2396
Delta R.T. -0.009 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion:228 Resp: 328

Ion	Ratio	Lower	Upper
228	100		
226	83.7	23.7	35.5#
229	73.8	16.2	24.4#



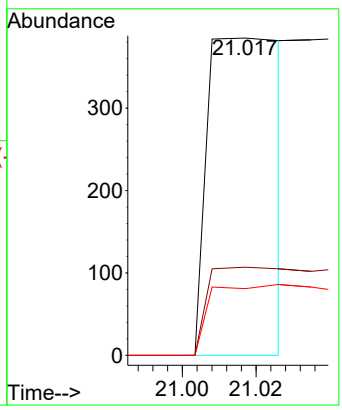


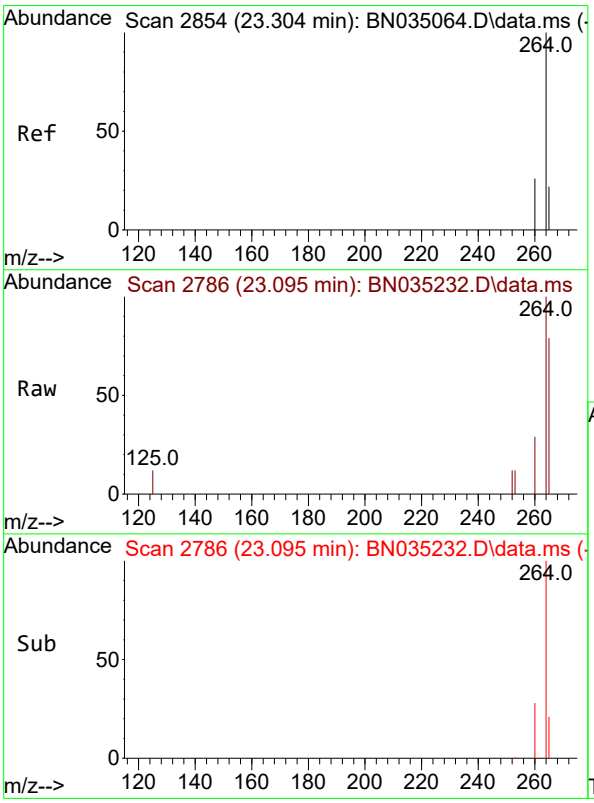
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.217 ng
RT: 21.017 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Instrument :
BNA_N
ClientSampleId :
RB01-20241119

Tgt Ion:149 Resp: 470

Ion	Ratio	Lower	Upper
149	100		
167	38.7	23.2	34.8#
279	48.5	3.2	4.8#

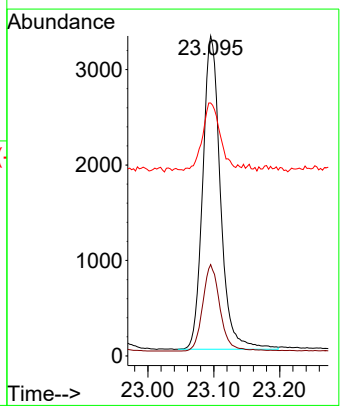




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.095 min Scan# 2786
Delta R.T. -0.009 min
Lab File: BN035232.D
Acq: 21 Nov 2024 21:12

Tgt Ion:264 Resp: 6123

Ion	Ratio	Lower	Upper
264	100		
260	28.5	20.9	31.3
265	79.1	35.4	53.2#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035233.D
Acq On : 21 Nov 2024 21:49
Operator : RC/JU
Sample : P4934-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Quant Time: Nov 21 23:06:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.322	152	2753	0.400	ng	0.00
7) Naphthalene-d8	10.073	136	6705	0.400	ng	# 0.00
13) Acenaphthene-d10	13.983	164	4351	0.400	ng	0.00
19) Phenanthrene-d10	16.753	188	9377	0.400	ng	# 0.00
29) Chrysene-d12	21.006	240	1394	0.400	ng	# 0.00
35) Perylene-d12	23.096	264	5766	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.975	112	841	0.120	ng	0.00
5) Phenol-d6	6.528	99	609	0.069	ng	0.00
8) Nitrobenzene-d5	8.461	82	1366	0.234	ng	0.00
11) 2-Methylnaphthalene-d10	11.674	152	3417	0.286	ng	0.00
14) 2,4,6-Tribromophenol	15.491	330	728	0.232	ng	0.00
15) 2-Fluorobiphenyl	12.604	172	1463	0.083	ng	0.00
27) Fluoranthene-d10	18.799	212	9717	0.338	ng	0.00
31) Terphenyl-d14	19.431	244	10756	3.677	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.271	42	67	0.029	ng	# 1
30) Pyrene	19.199	202	259	0.056	ng	# 94
32) Benzo(a)anthracene	21.024	228	401	0.083	ng	# 25
33) Chrysene	21.024	228	401	0.083	ng	# 31
34) Bis(2-ethylhexyl)phtha...	21.024	149	679	0.267	ng	# 59

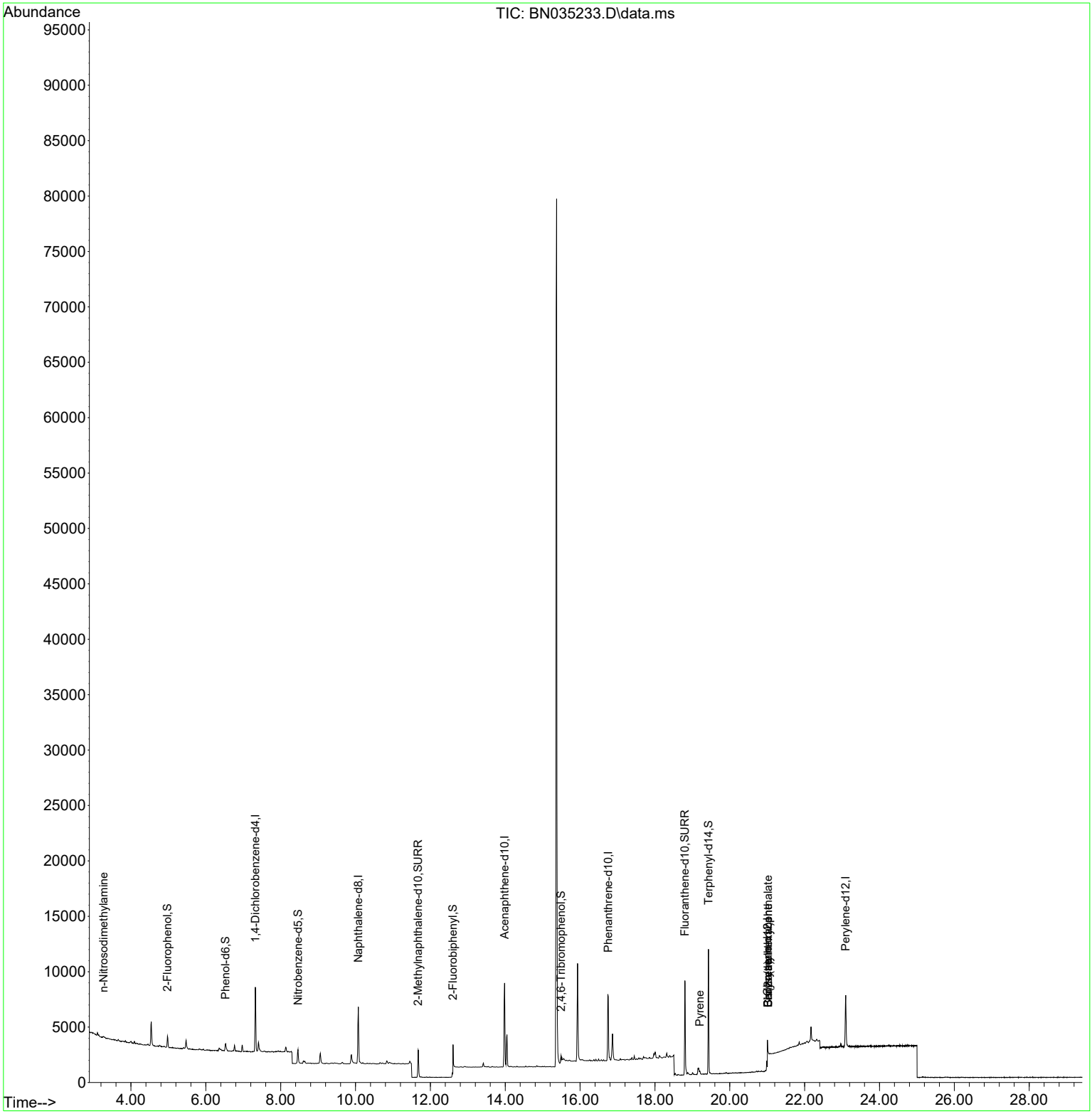
(#) = qualifier out of range (m) = manual integration (+) = signals summed

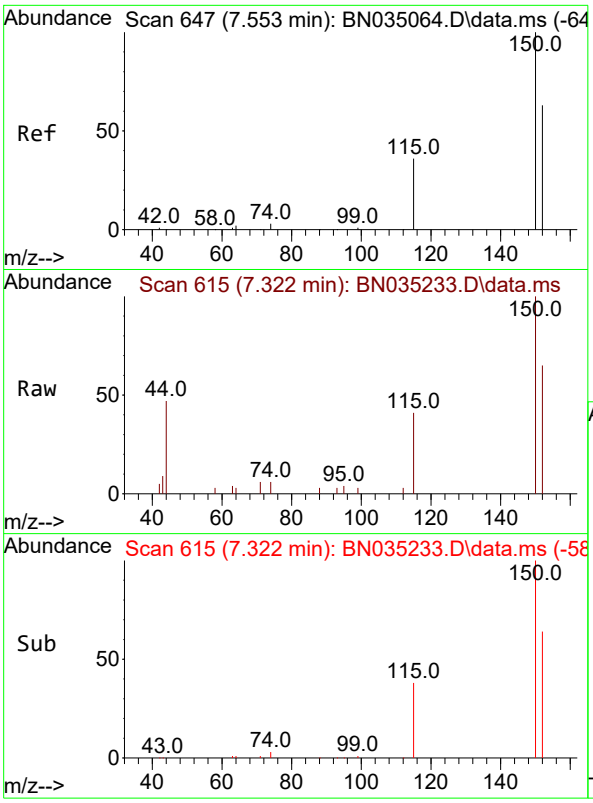
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035233.D
Acq On : 21 Nov 2024 21:49
Operator : RC/JU
Sample : P4934-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Quant Time: Nov 21 23:06:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration



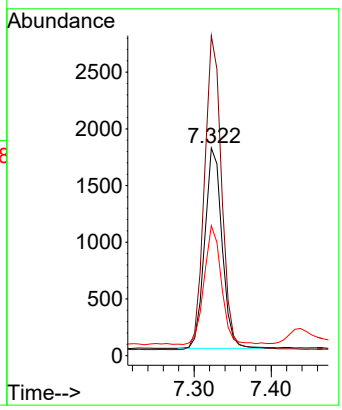


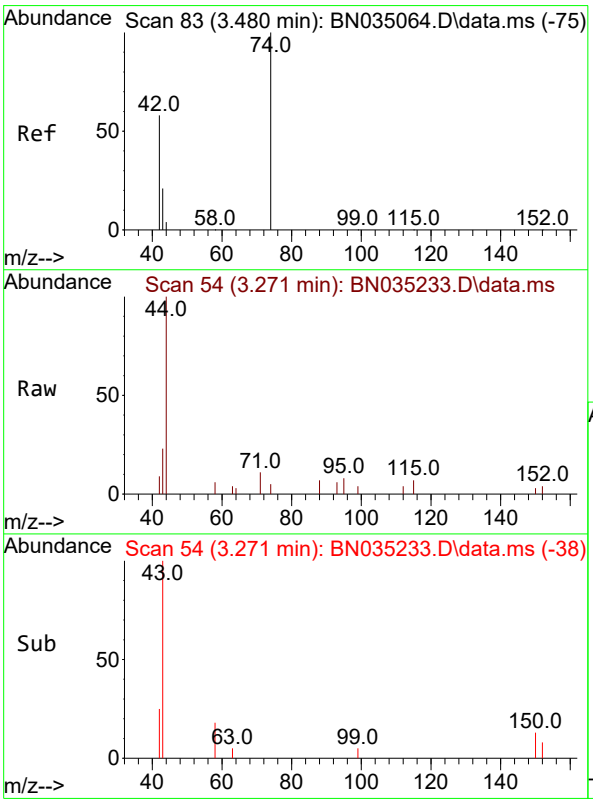
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.322 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Tgt Ion:152 Resp: 2753

Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.5	186.7
115	62.5	47.8	71.6

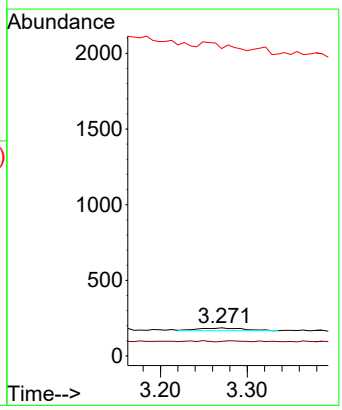


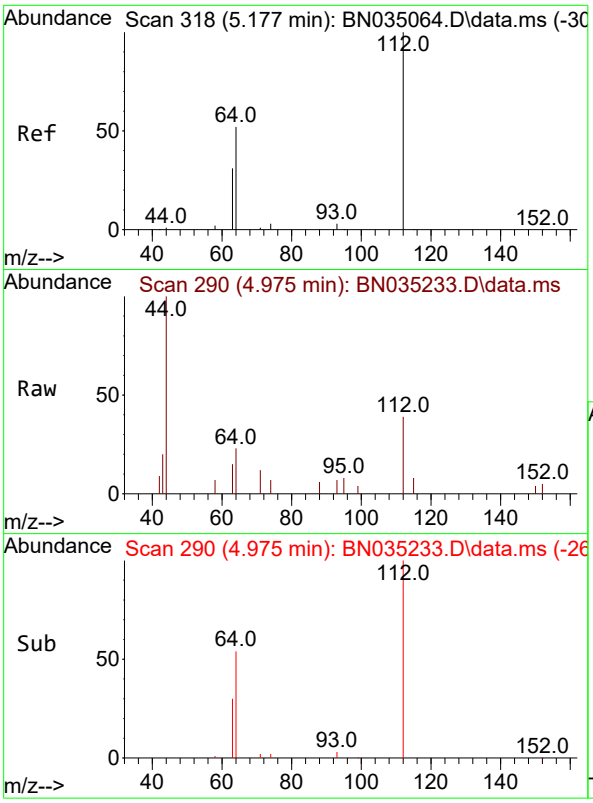


#3
n-Nitrosodimethylamine
Concen: 0.029 ng
RT: 3.271 min Scan# 54
Delta R.T. -0.036 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion: 42 Resp: 67

Ion	Ratio	Lower	Upper
42	100		
74	14.9	120.8	181.2#
44	0.0	2.9	4.3#



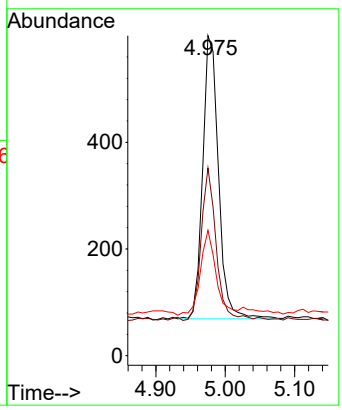


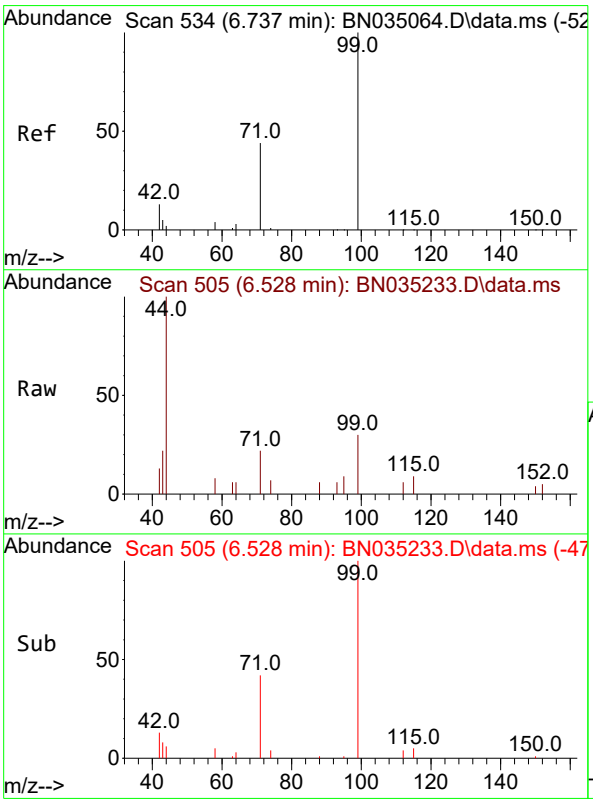
#4
2-Fluorophenol
Concen: 0.120 ng
RT: 4.975 min Scan# 2
Delta R.T. -0.007 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Tgt Ion:112 Resp: 841

Ion	Ratio	Lower	Upper
112	100		
64	51.7	39.7	59.5
63	29.6	23.0	34.4

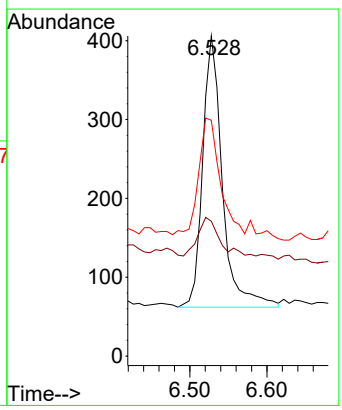


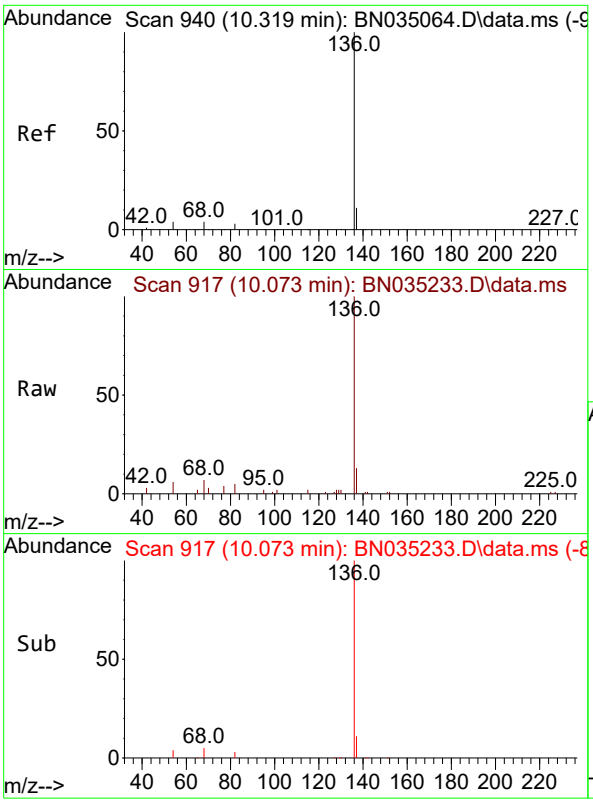


#5
Phenol-d6
Concen: 0.069 ng
RT: 6.528 min Scan# 505
Delta R.T. 0.000 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion: 99 Resp: 609

Ion	Ratio	Lower	Upper
99	100		
42	15.3	11.4	17.0
71	45.8	34.6	51.8



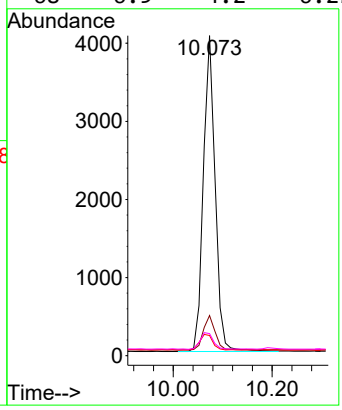


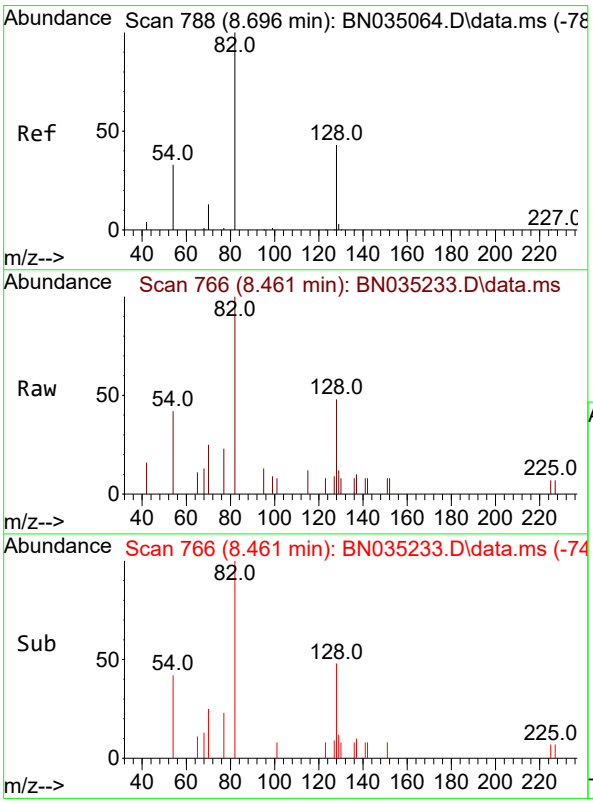
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.073 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Tgt Ion:136 Resp: 6705

Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.8	14.8
54	6.3	4.0	6.0#
68	6.9	4.2	6.2#

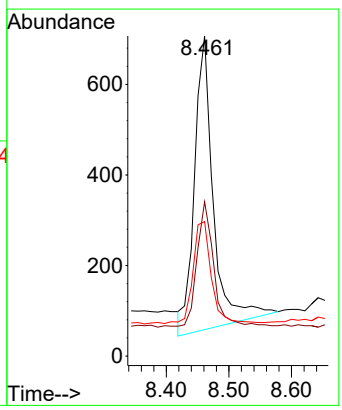


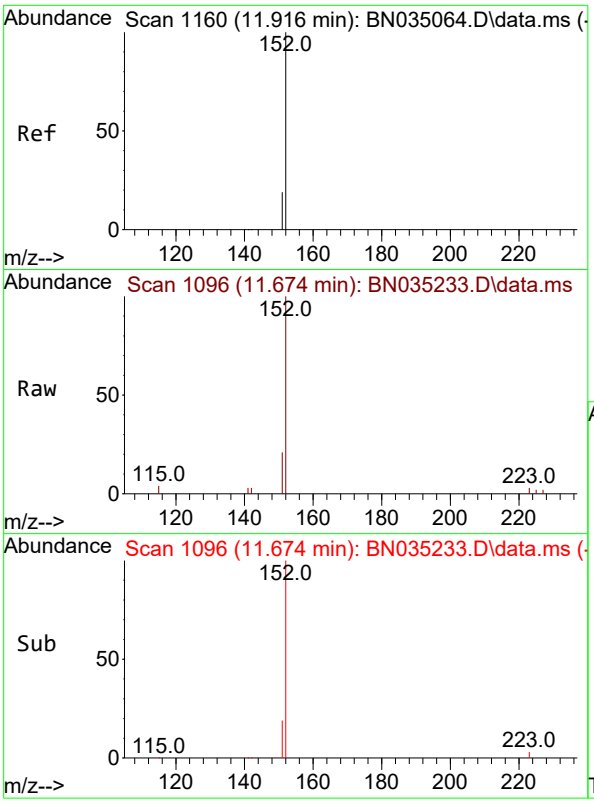


#8
Nitrobenzene-d5
Concen: 0.234 ng
RT: 8.461 min Scan# 766
Delta R.T. 0.000 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion: 82 Resp: 1366

Ion	Ratio	Lower	Upper
82	100		
128	48.2	36.5	54.7
54	42.0	28.7	43.1



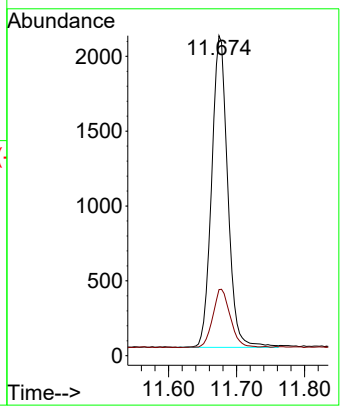


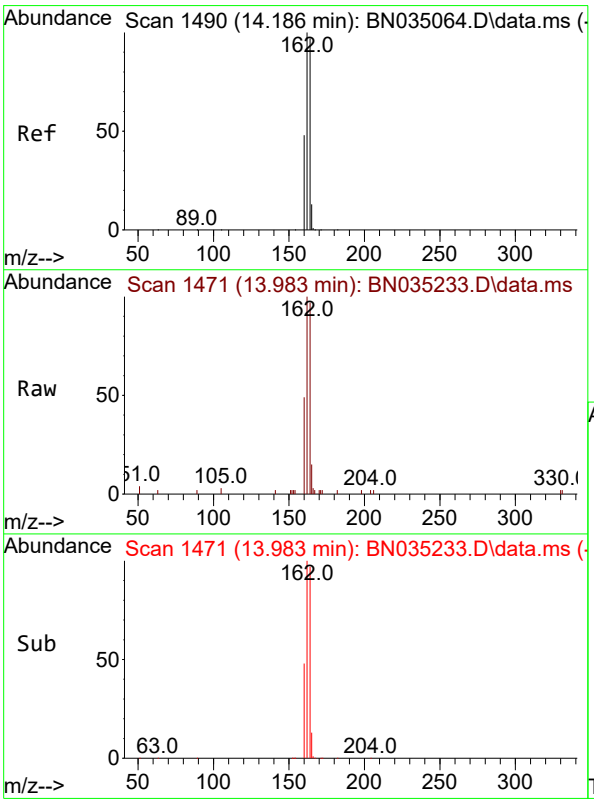
#11
2-Methylnaphthalene-d10
Concen: 0.286 ng
RT: 11.674 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Tgt Ion:152 Resp: 3417

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4

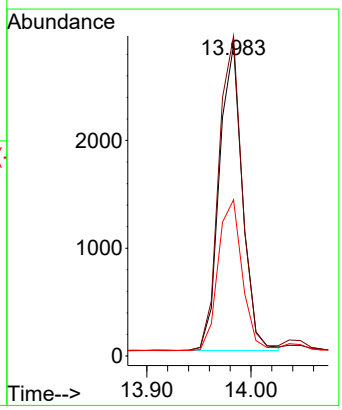


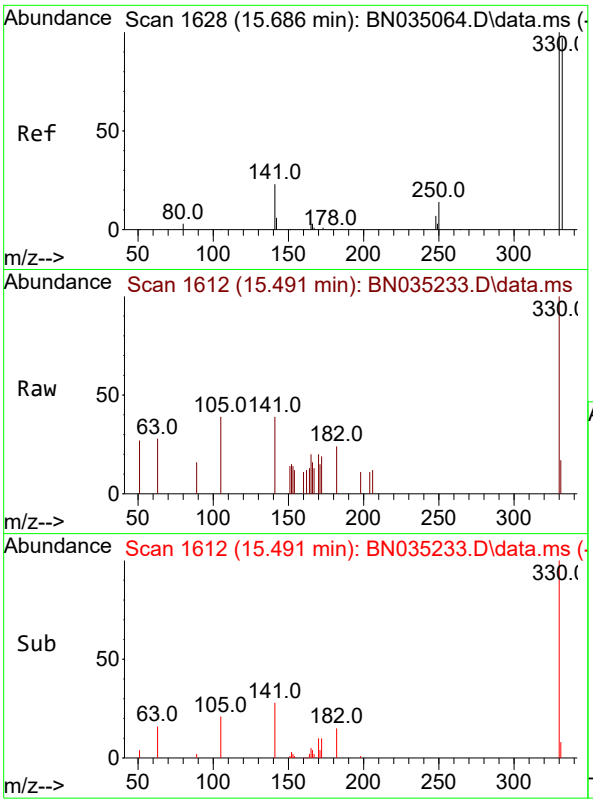


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.983 min Scan# 1471
Delta R.T. -0.004 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion:164 Resp: 4351

Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.2	123.2
160	50.2	40.2	60.4



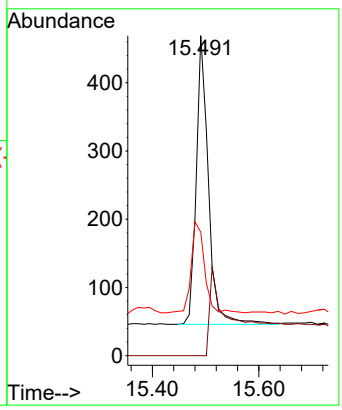


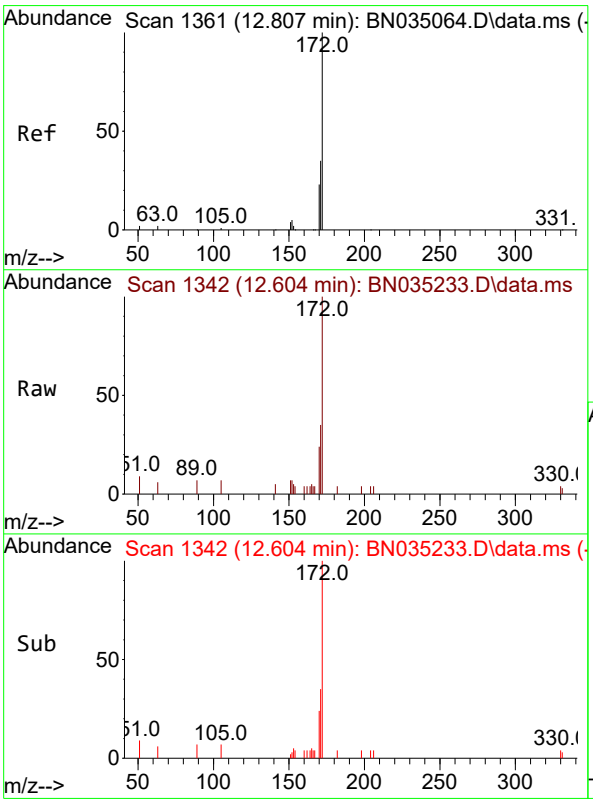
#14
2,4,6-Tribromophenol
Concen: 0.232 ng
RT: 15.491 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Tgt Ion:330 Resp: 728

Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.9	115.3#
141	34.3	29.6	44.4

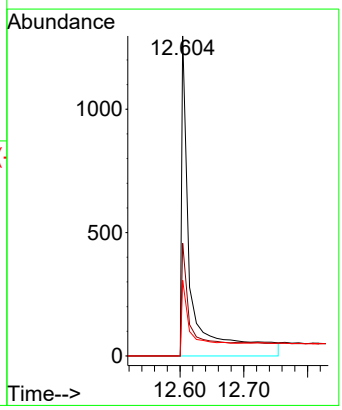


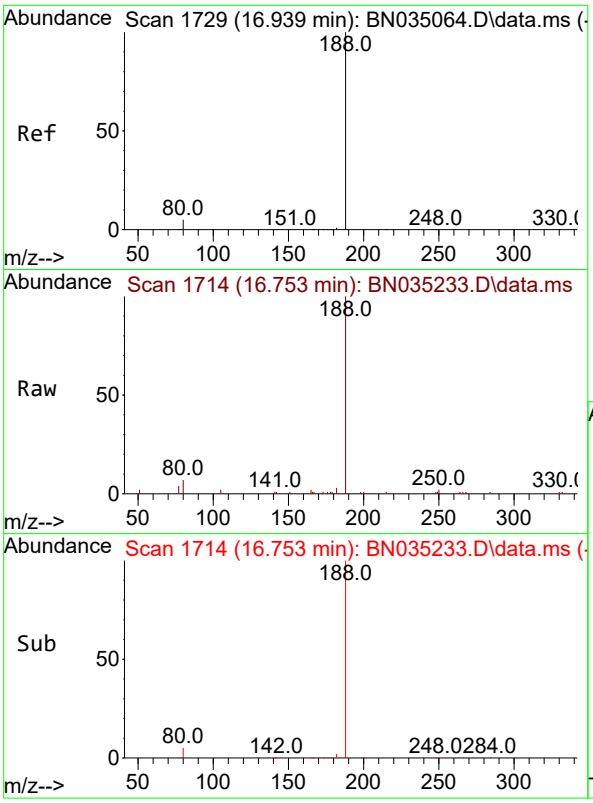


#15
2-Fluorobiphenyl
Concen: 0.083 ng
RT: 12.604 min Scan# 1342
Delta R.T. -0.004 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion:172 Resp: 1463

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.4
170	23.7	19.0	28.6



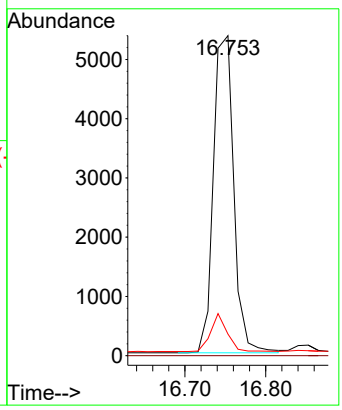


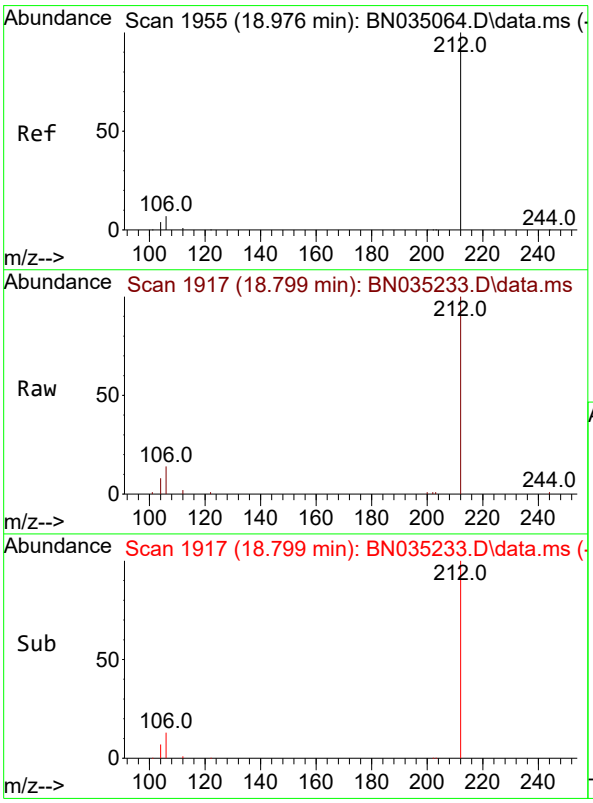
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.753 min Scan# 1
Delta R.T. 0.007 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Tgt Ion:188 Resp: 9377

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.7	4.3	6.5#

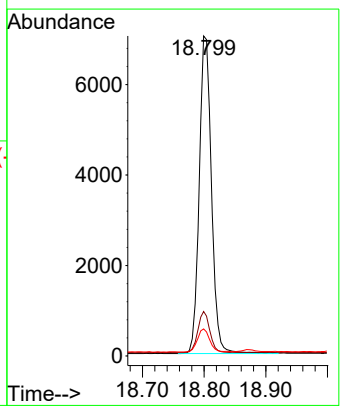


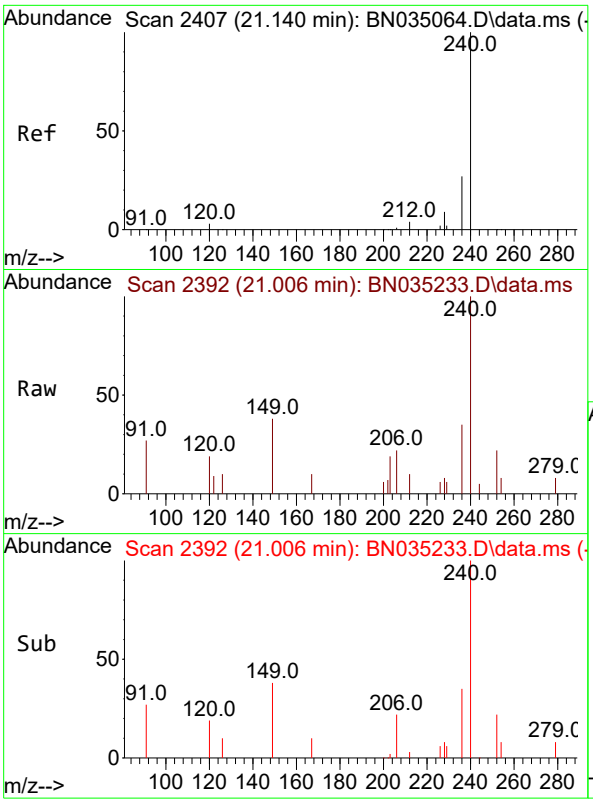


#27
Fluoranthene-d10
Concen: 0.338 ng
RT: 18.799 min Scan# 1917
Delta R.T. -0.007 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion:212 Resp: 9717

Ion	Ratio	Lower	Upper
212	100		
106	12.6	6.0	9.0#
104	7.3	3.5	5.3#



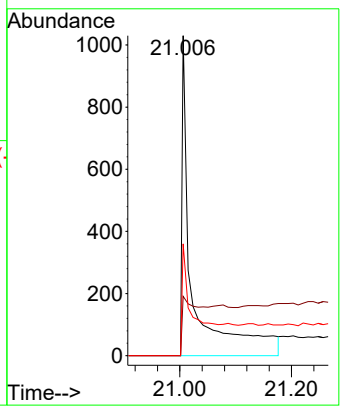


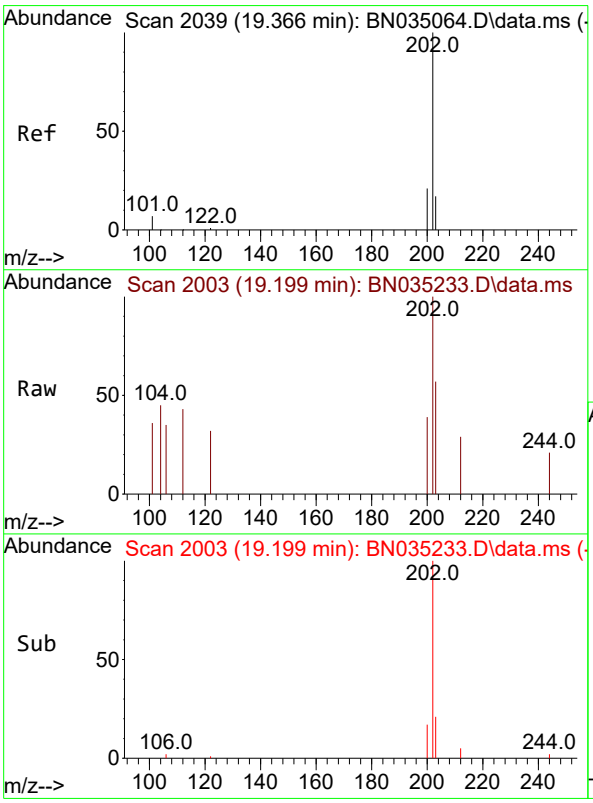
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.006 min Scan# 2
Delta R.T. -0.002 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Tgt Ion:240 Resp: 1394

Ion	Ratio	Lower	Upper
240	100		
120	18.5	3.8	5.6#
236	35.0	22.2	33.2#

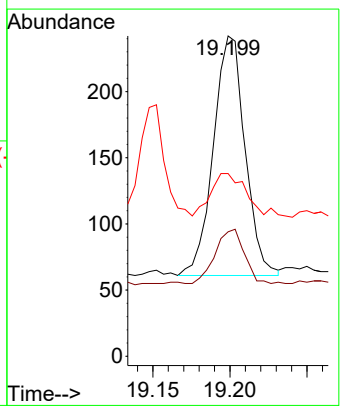


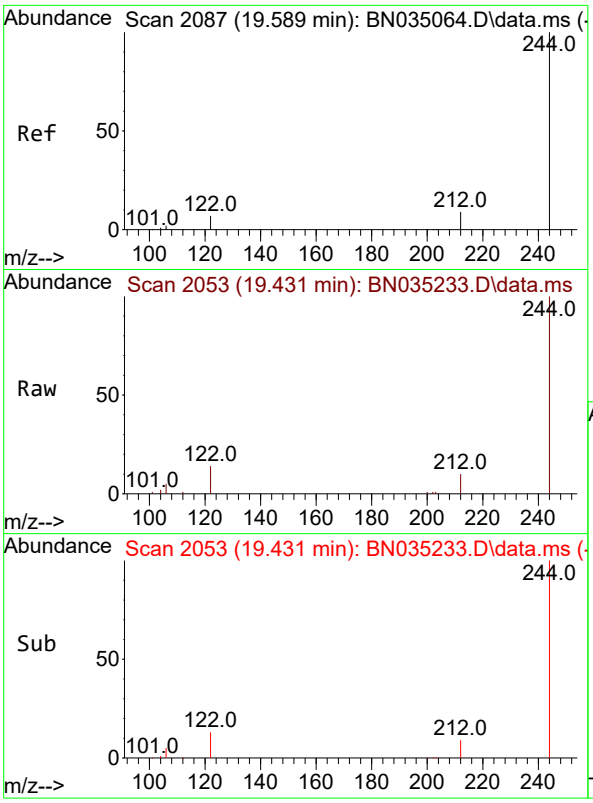


#30
Pyrene
Concen: 0.056 ng
RT: 19.199 min Scan# 2003
Delta R.T. -0.007 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion:202 Resp: 259

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	23.9	14.2	21.4#



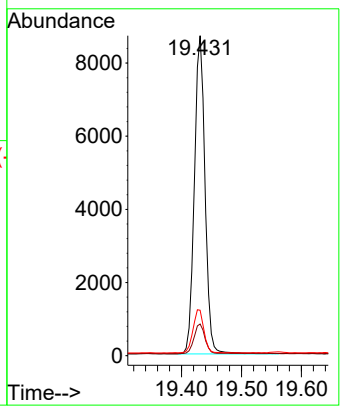


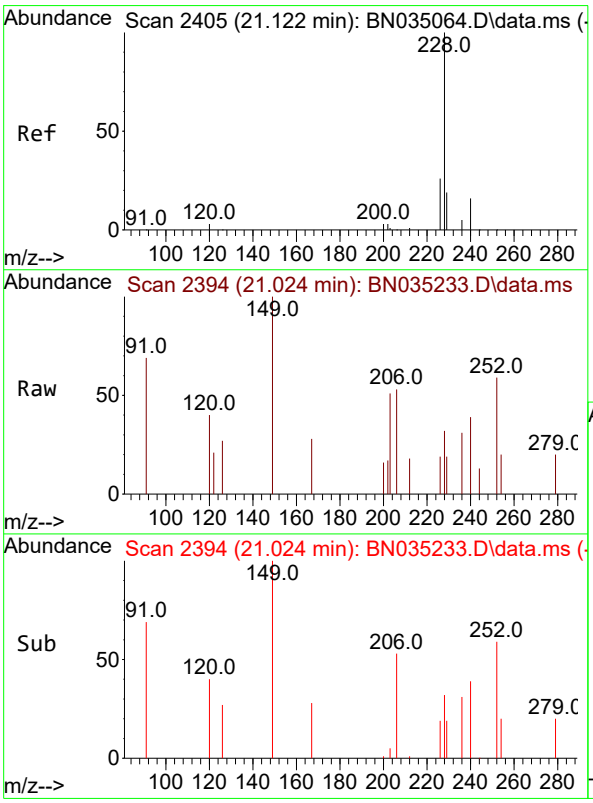
#31
Terphenyl-d14
Concen: 3.677 ng
RT: 19.431 min Scan# 2
Delta R.T. -0.007 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Tgt Ion:244 Resp: 10756

Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.6	11.4
122	14.2	6.1	9.1#

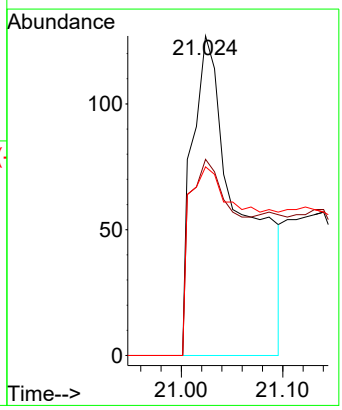


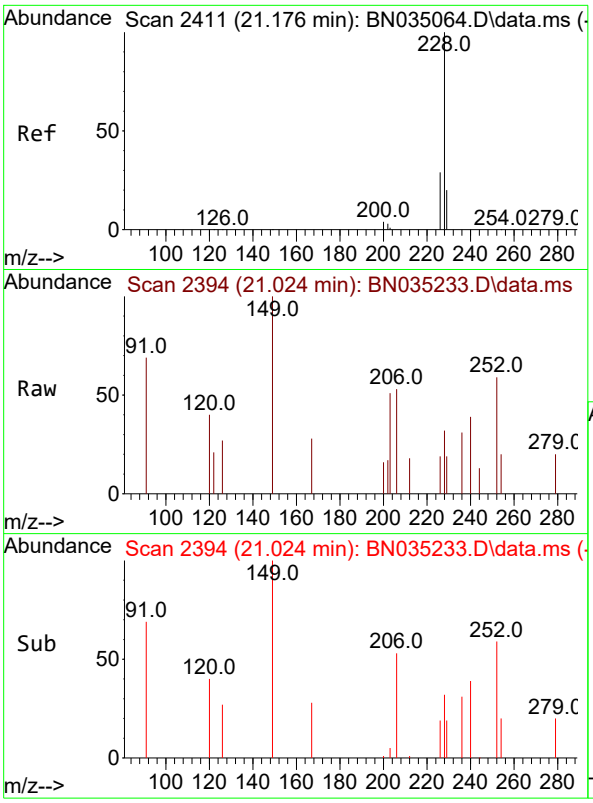


#32
Benzo(a)anthracene
Concen: 0.083 ng
RT: 21.024 min Scan# 2394
Delta R.T. -0.011 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion:228 Resp: 401

Ion	Ratio	Lower	Upper
228	100		
226	61.4	21.4	32.0#
229	59.1	15.7	23.5#



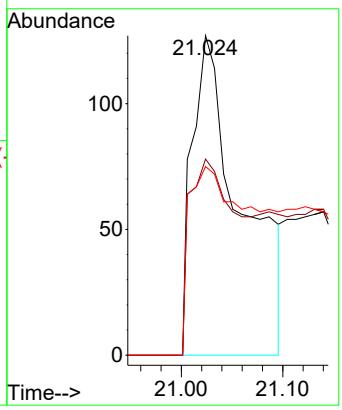


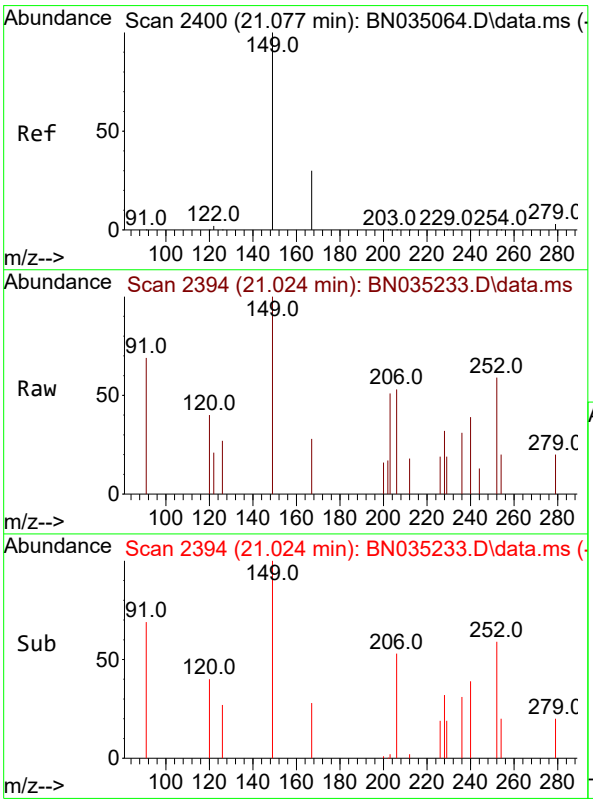
#33
Chrysene
Concen: 0.083 ng
RT: 21.024 min Scan# 2
Delta R.T. -0.011 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Tgt Ion:228 Resp: 401

Ion	Ratio	Lower	Upper
228	100		
226	61.4	23.7	35.5#
229	59.1	16.2	24.4#

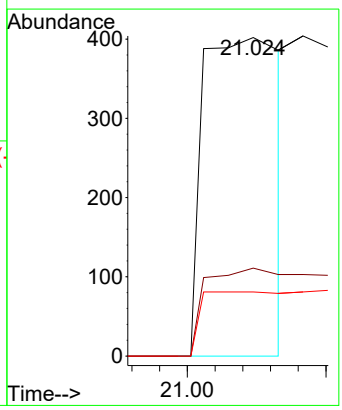


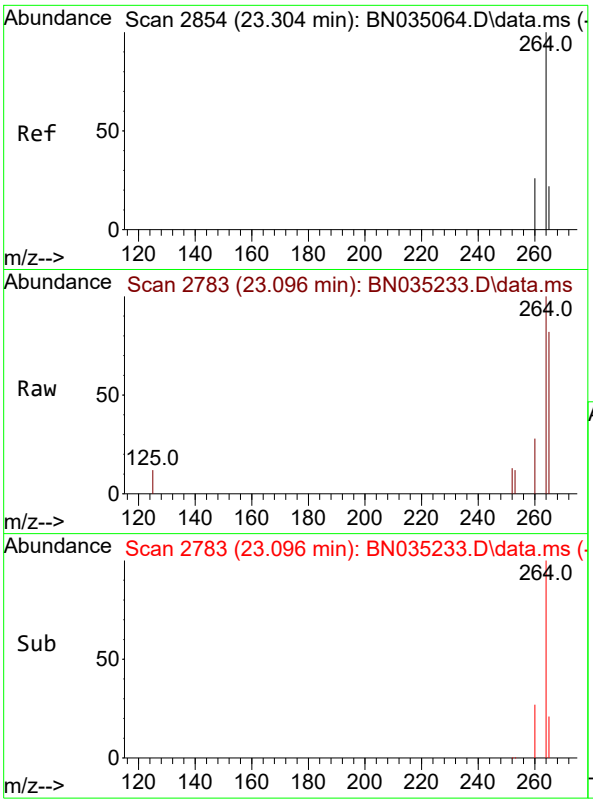


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.267 ng
RT: 21.024 min Scan# 2394
Delta R.T. -0.002 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Tgt Ion:149 Resp: 679

Ion	Ratio	Lower	Upper
149	100		
167	50.1	23.2	34.8#
279	20.6	3.2	4.8#



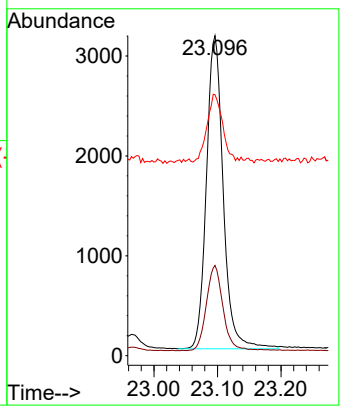


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.096 min Scan# 2
Delta R.T. -0.008 min
Lab File: BN035233.D
Acq: 21 Nov 2024 21:49

Instrument :
BNA_N
ClientSampleId :
BPOW6-8-20241119

Tgt Ion:264 Resp: 5766

Ion	Ratio	Lower	Upper
264	100		
260	28.2	20.9	31.3
265	81.6	35.4	53.2#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035234.D
Acq On : 21 Nov 2024 22:25
Operator : RC/JU
Sample : P4934-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Quant Time: Nov 21 23:06:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.322	152	2771	0.400	ng	0.00
7) Naphthalene-d8	10.073	136	6431	0.400	ng	# 0.00
13) Acenaphthene-d10	13.976	164	3947	0.400	ng	-0.01
19) Phenanthrene-d10	16.746	188	8351	0.400	ng	# 0.00
29) Chrysene-d12	21.008	240	946	0.400	ng	# 0.00
35) Perylene-d12	23.095	264	7194	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.975	112	860	0.122	ng	0.00
5) Phenol-d6	6.528	99	592	0.067	ng	0.00
8) Nitrobenzene-d5	8.461	82	1281	0.229	ng	0.00
11) 2-Methylnaphthalene-d10	11.674	152	3096	0.270	ng	0.00
14) 2,4,6-Tribromophenol	15.494	330	720	0.253	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	1009	0.063	ng	0.00
27) Fluoranthene-d10	18.801	212	9165	0.358	ng	0.00
31) Terphenyl-d14	19.429	244	9237	4.653	ng	0.00
Target Compounds						Qvalue
30) Pyrene	19.201	202	225	0.071	ng	# 95
32) Benzo(a)anthracene	21.026	228	436	0.132	ng	# 29
33) Chrysene	21.026	228	436	0.134	ng	# 35
34) Bis(2-ethylhexyl)phtha...	21.080	149	1894	1.096	ng	# 51

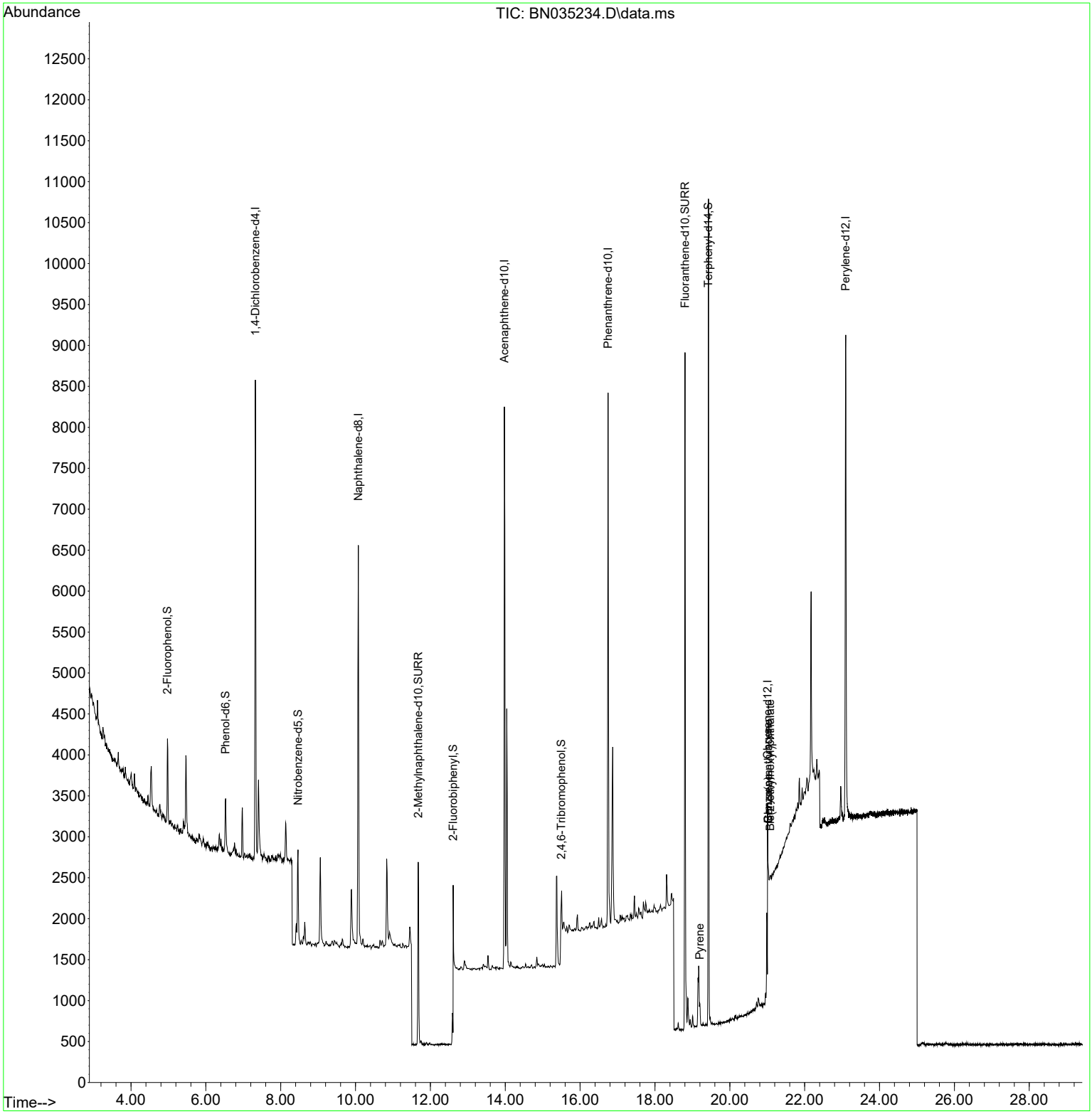
(#) = qualifier out of range (m) = manual integration (+) = signals summed

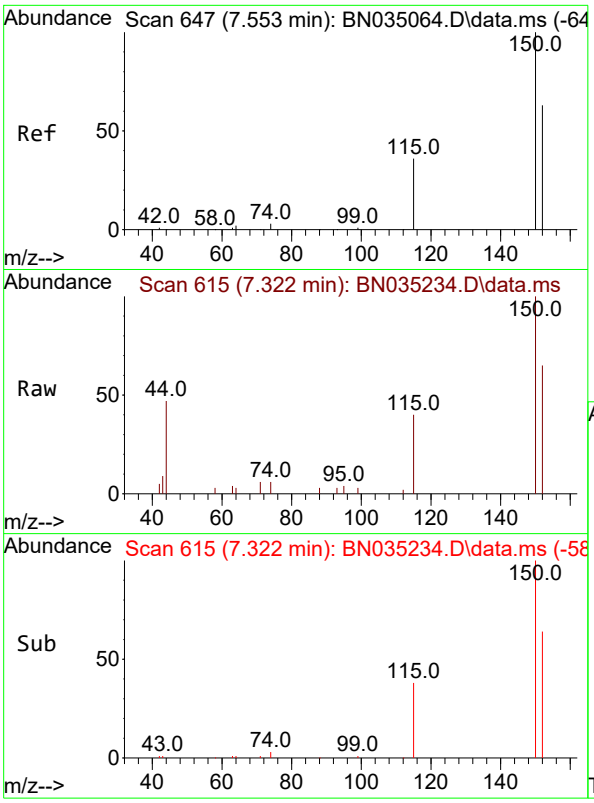
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035234.D
Acq On : 21 Nov 2024 22:25
Operator : RC/JU
Sample : P4934-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Quant Time: Nov 21 23:06:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration



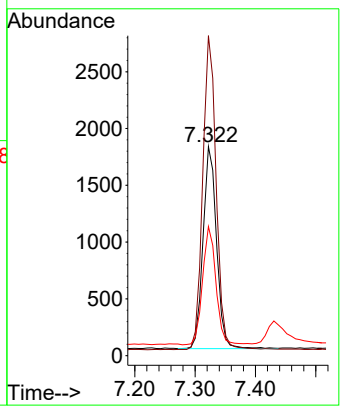


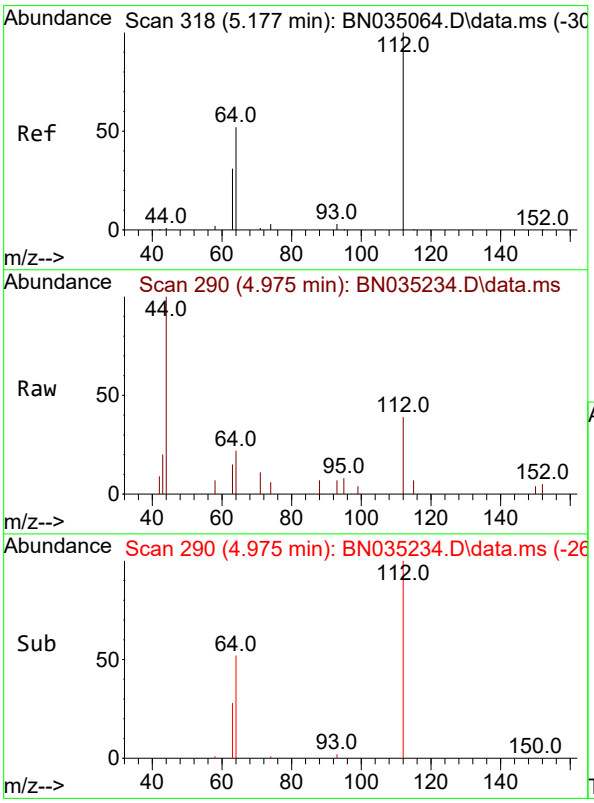
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.322 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Tgt Ion:152 Resp: 2771

Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.5	186.7
115	61.8	47.8	71.6

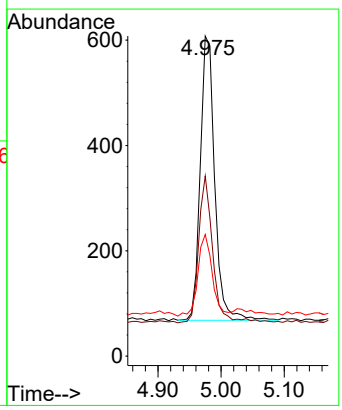


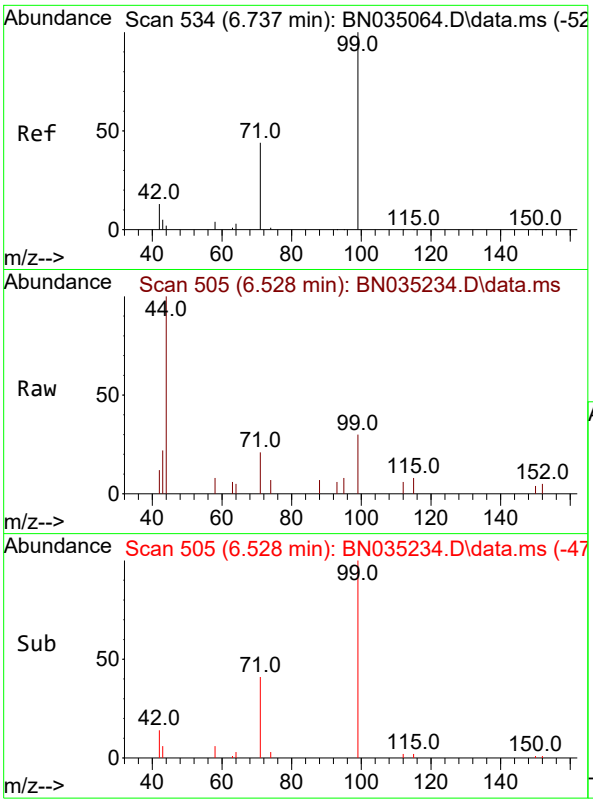


#4
2-Fluorophenol
Concen: 0.122 ng
RT: 4.975 min Scan# 290
Delta R.T. -0.007 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:112 Resp: 860

Ion	Ratio	Lower	Upper
112	100		
64	50.8	39.7	59.5
63	28.3	23.0	34.4



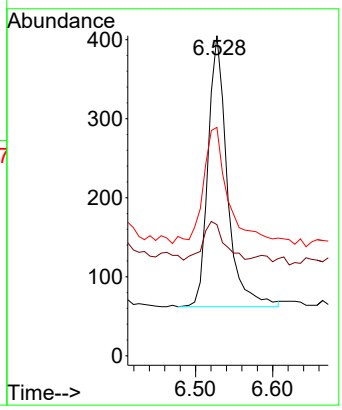


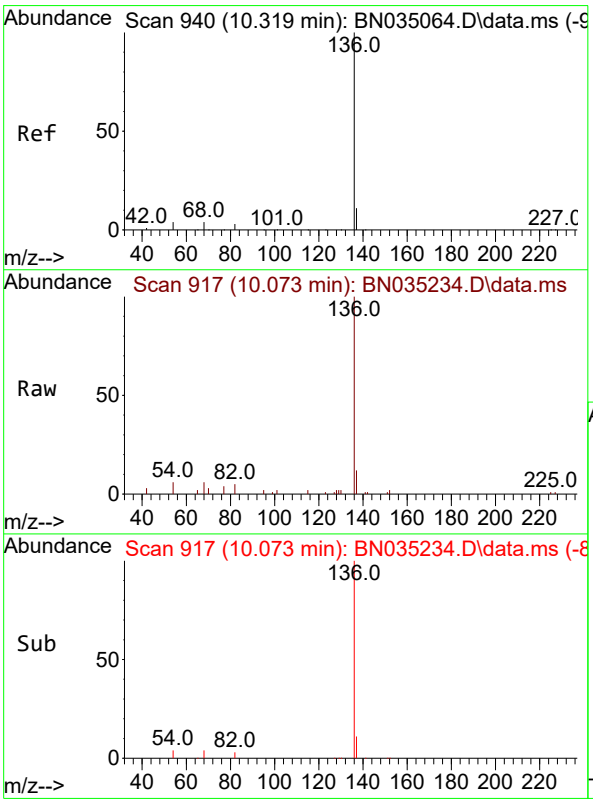
#5
Phenol-d6
Concen: 0.067 ng
RT: 6.528 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Tgt Ion: 99 Resp: 592

Ion	Ratio	Lower	Upper
99	100		
42	16.0	11.4	17.0
71	63.2	34.6	51.8#

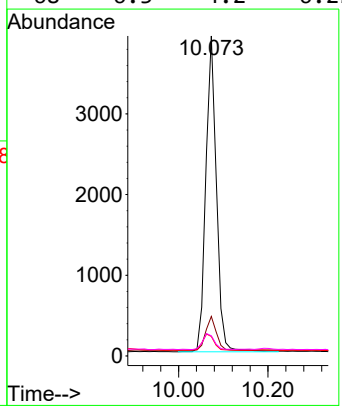


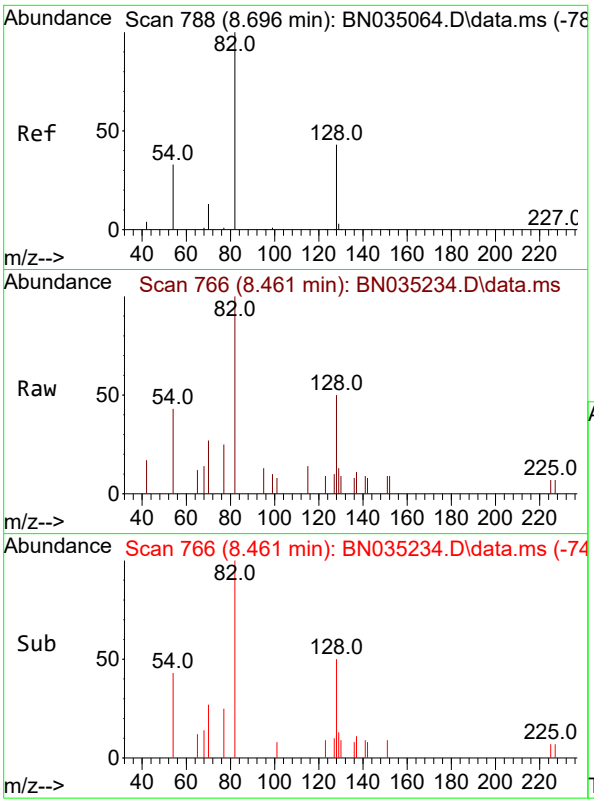


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.073 min Scan# 917
Delta R.T. -0.000 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:136 Resp: 6431

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.8	14.8
54	6.1	4.0	6.0#
68	6.3	4.2	6.2#



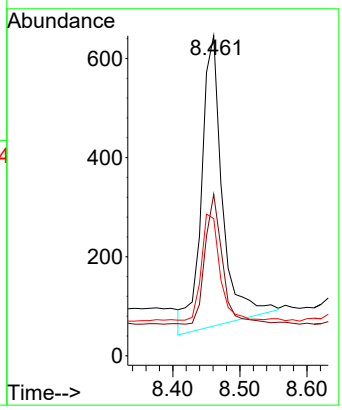


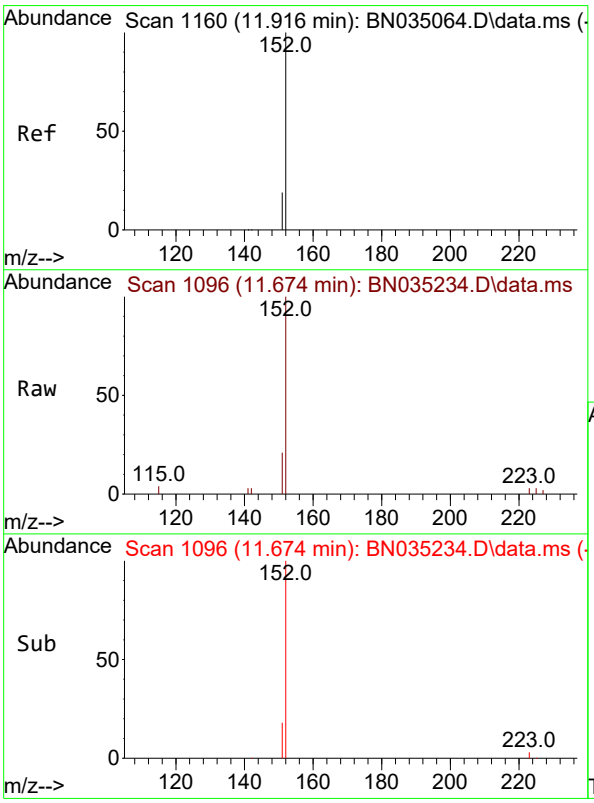
#8
Nitrobenzene-d5
Concen: 0.229 ng
RT: 8.461 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Tgt Ion: 82 Resp: 1281

Ion	Ratio	Lower	Upper
82	100		
128	50.5	36.5	54.7
54	42.9	28.7	43.1

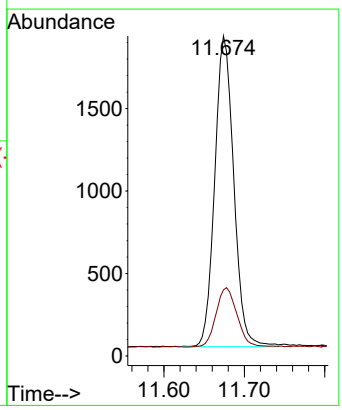


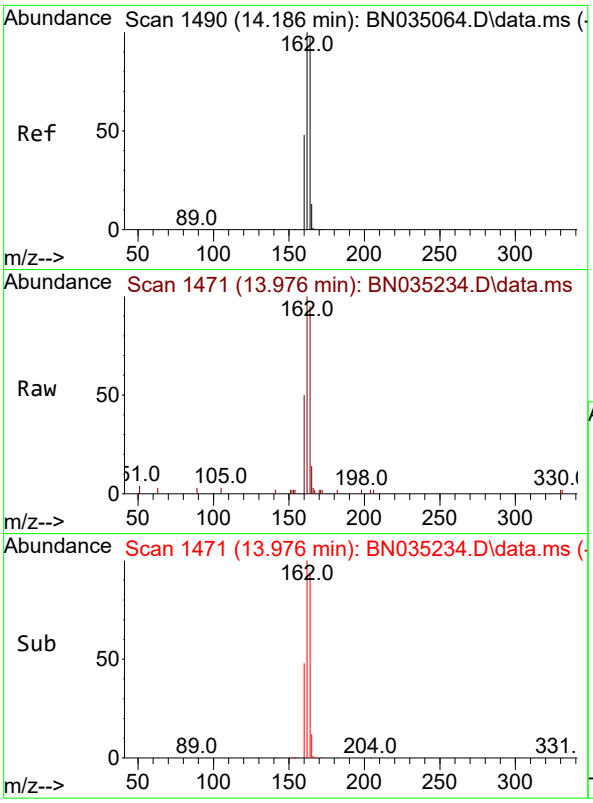


#11
2-Methylnaphthalene-d10
Concen: 0.270 ng
RT: 11.674 min Scan# 1096
Delta R.T. -0.004 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:152 Resp: 3096

Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.2	24.4



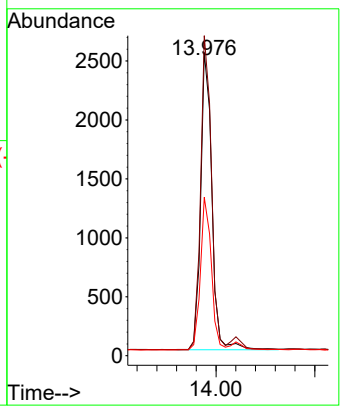


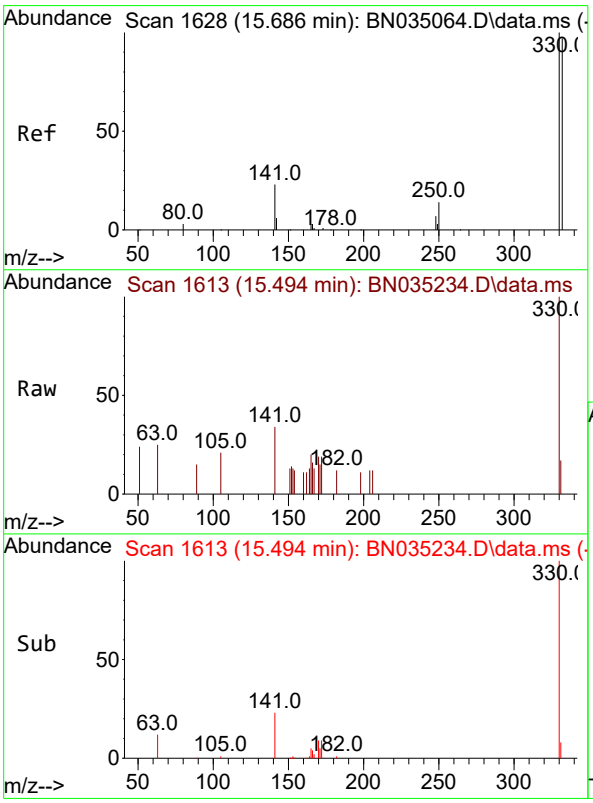
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Tgt Ion:164 Resp: 3947

Ion	Ratio	Lower	Upper
164	100		
162	105.6	82.2	123.2
160	52.3	40.2	60.4

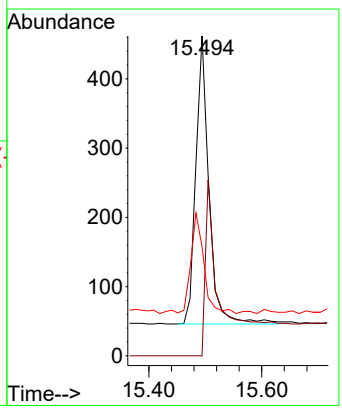


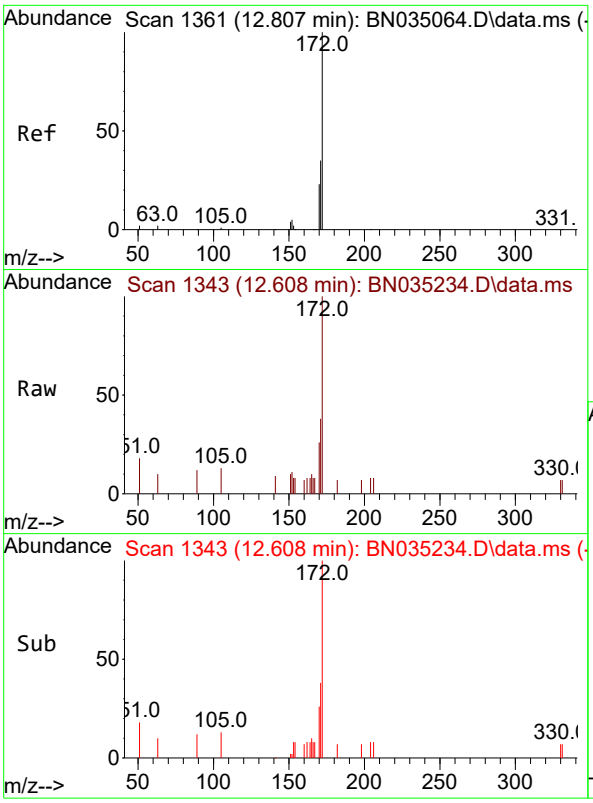


#14
2,4,6-Tribromophenol
Concen: 0.253 ng
RT: 15.494 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:330 Resp: 720

Ion	Ratio	Lower	Upper
330	100		
332	82.5	76.9	115.3
141	0.0	29.6	44.4#



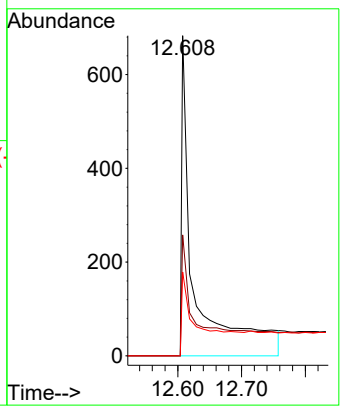


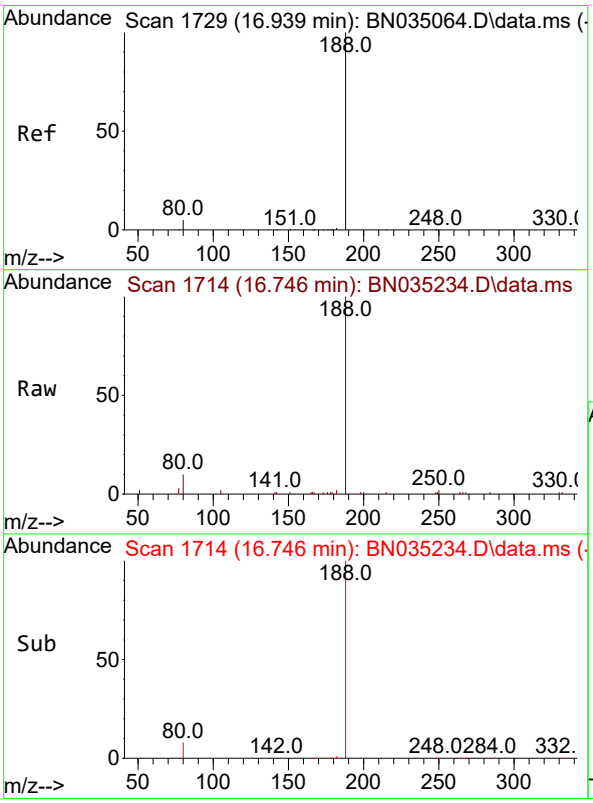
#15
2-Fluorobiphenyl
Concen: 0.063 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Tgt Ion:172 Resp: 1009

Ion	Ratio	Lower	Upper
172	100		
171	37.8	28.2	42.4
170	26.2	19.0	28.6

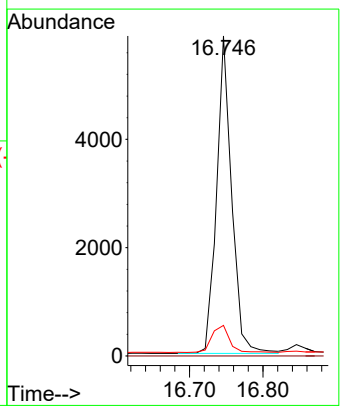


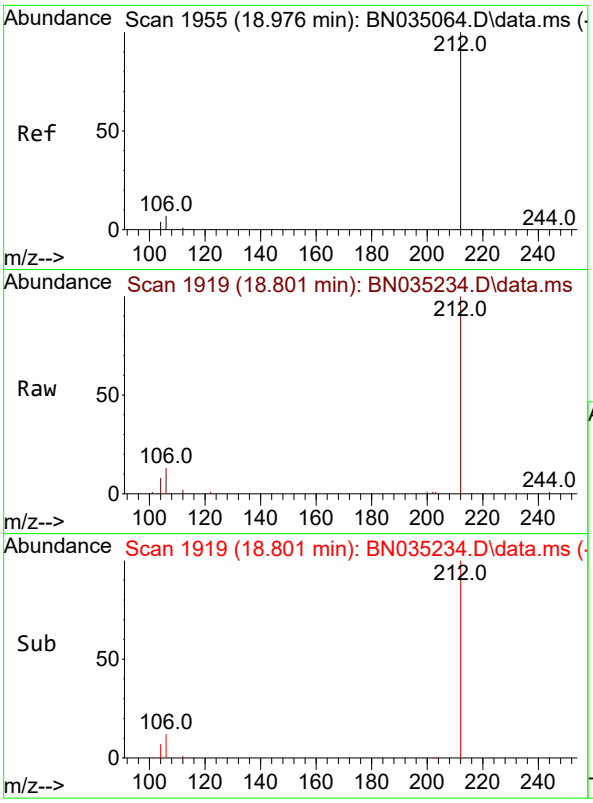


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.746 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:188 Resp: 8351

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	4.3	6.5#



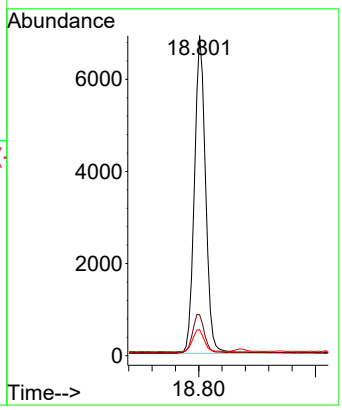


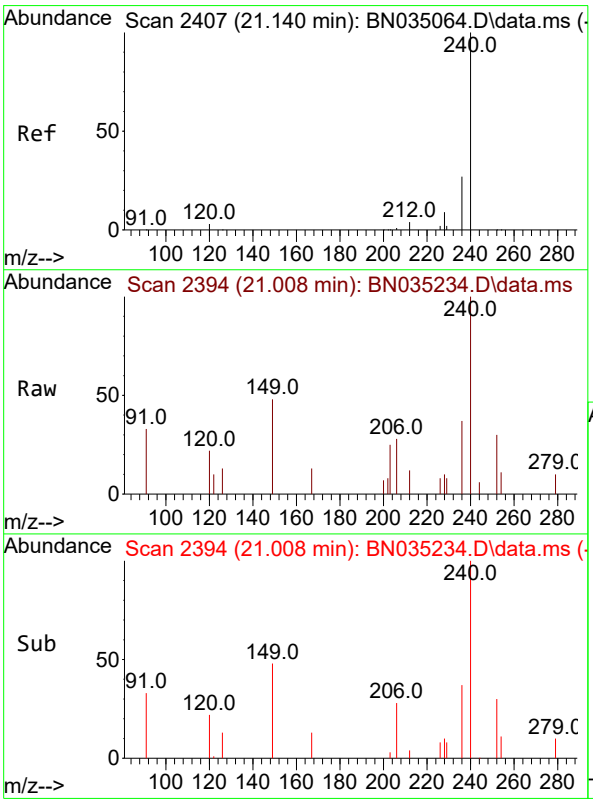
#27
Fluoranthene-d10
Concen: 0.358 ng
RT: 18.801 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Tgt Ion:212 Resp: 9165

Ion	Ratio	Lower	Upper
212	100		
106	12.5	6.0	9.0#
104	7.5	3.5	5.3#

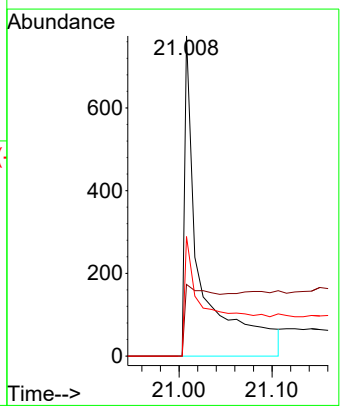


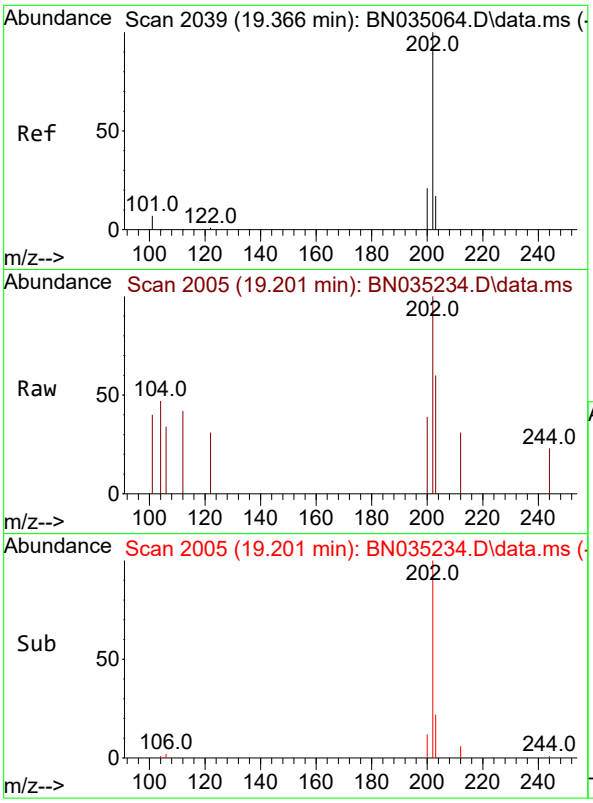


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:240 Resp: 946

Ion	Ratio	Lower	Upper
240	100		
120	22.4	3.8	5.6#
236	37.3	22.2	33.2#



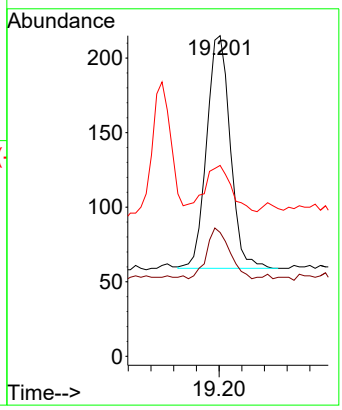


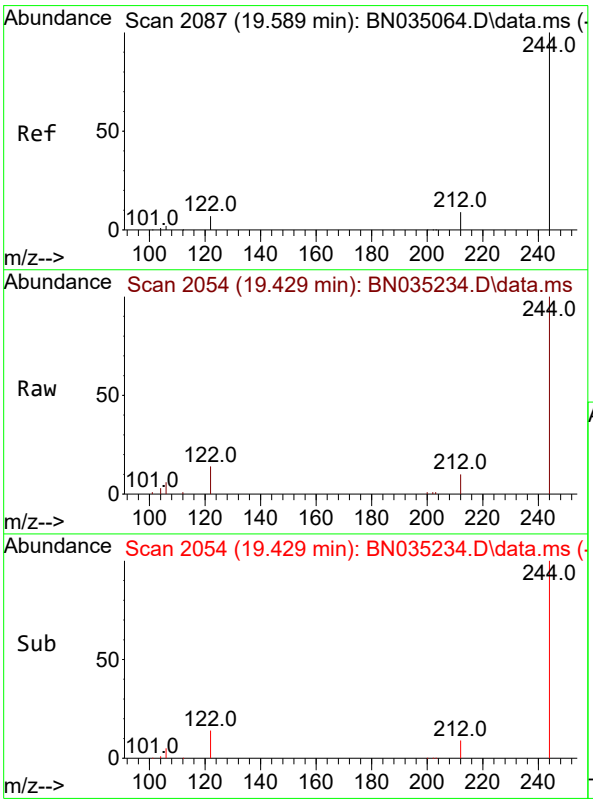
#30
Pyrene
Concen: 0.071 ng
RT: 19.201 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Tgt Ion:202 Resp: 225

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	22.7	14.2	21.4#

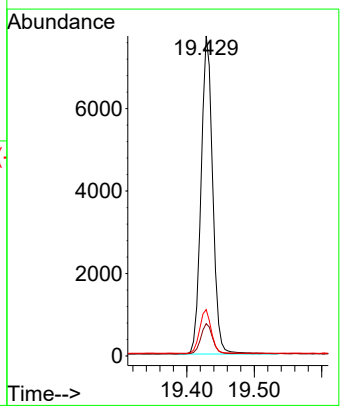


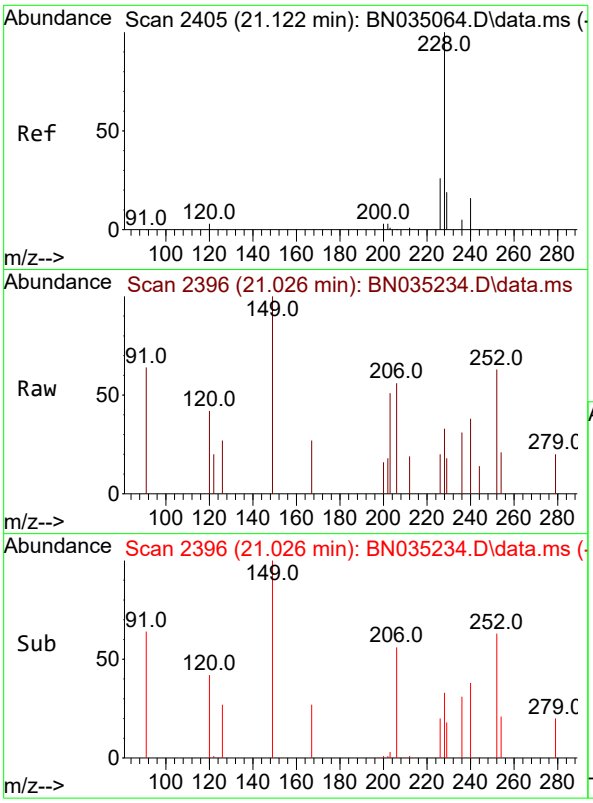


#31
Terphenyl-d14
Concen: 4.653 ng
RT: 19.429 min Scan# 2054
Delta R.T. -0.009 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:244 Resp: 9237

Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.6	11.4
122	14.5	6.1	9.1#



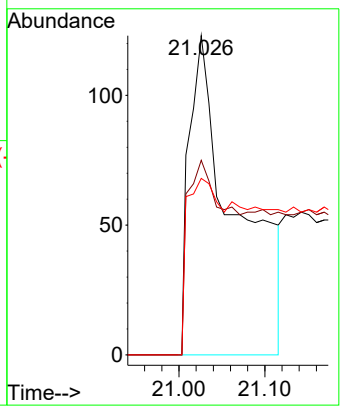


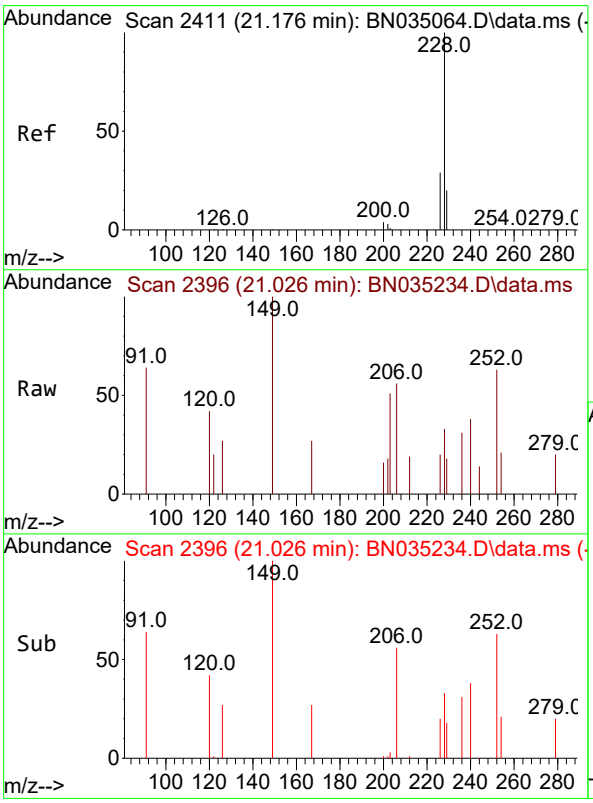
#32
Benzo(a)anthracene
Concen: 0.132 ng
RT: 21.026 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Tgt Ion:228 Resp: 436

Ion	Ratio	Lower	Upper
228	100		
226	61.0	21.4	32.0#
229	55.3	15.7	23.5#

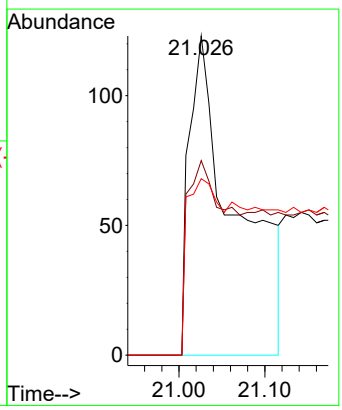


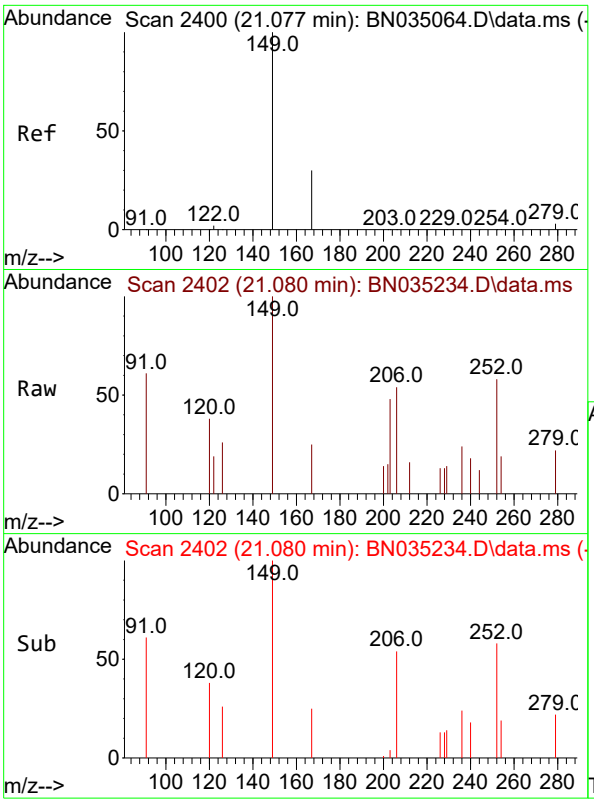


#33
Chrysene
Concen: 0.134 ng
RT: 21.026 min Scan# 2396
Delta R.T. -0.009 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:228 Resp: 436

Ion	Ratio	Lower	Upper
228	100		
226	61.0	23.7	35.5#
229	55.3	16.2	24.4#



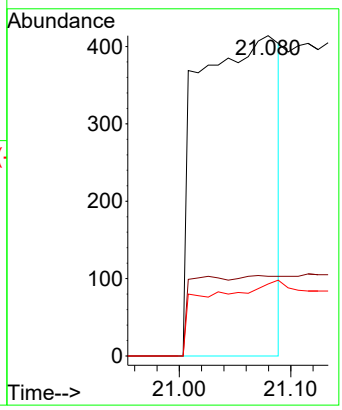


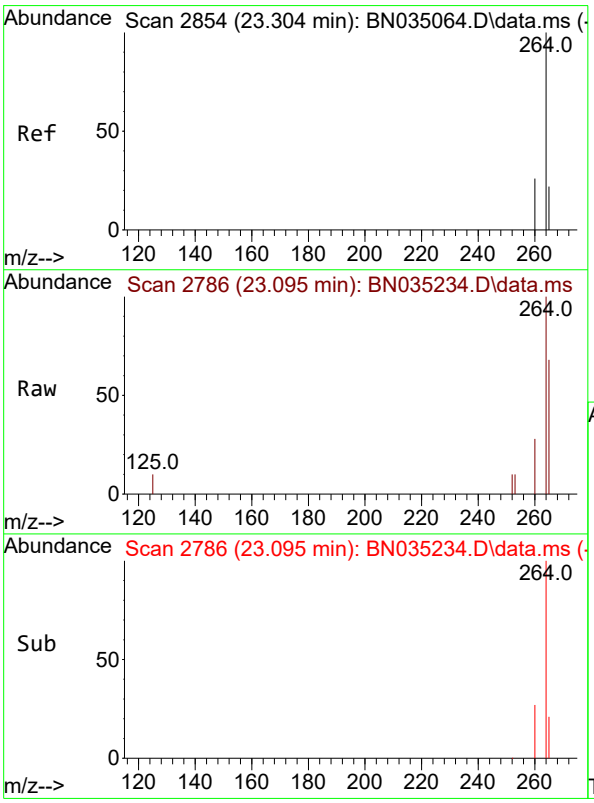
#34
Bis(2-ethylhexyl)phthalate
Concen: 1.096 ng
RT: 21.080 min Scan# 24
Delta R.T. 0.054 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Instrument :
BNA_N
ClientSampleId :
DUP02-20241119

Tgt Ion:149 Resp: 1894

Ion	Ratio	Lower	Upper
149	100		
167	0.0	23.2	34.8#
279	0.0	3.2	4.8#

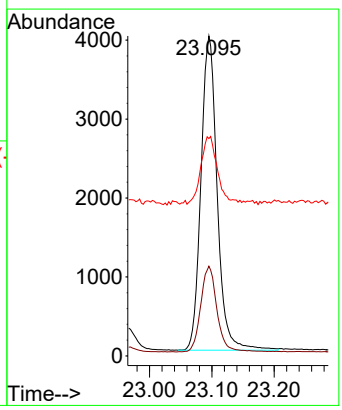




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.095 min Scan# 2786
Delta R.T. -0.009 min
Lab File: BN035234.D
Acq: 21 Nov 2024 22:25

Tgt Ion:264 Resp: 7194

Ion	Ratio	Lower	Upper
264	100		
260	28.1	20.9	31.3
265	67.9	35.4	53.2#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035235.D
Acq On : 21 Nov 2024 23:01
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Nov 21 23:33:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration

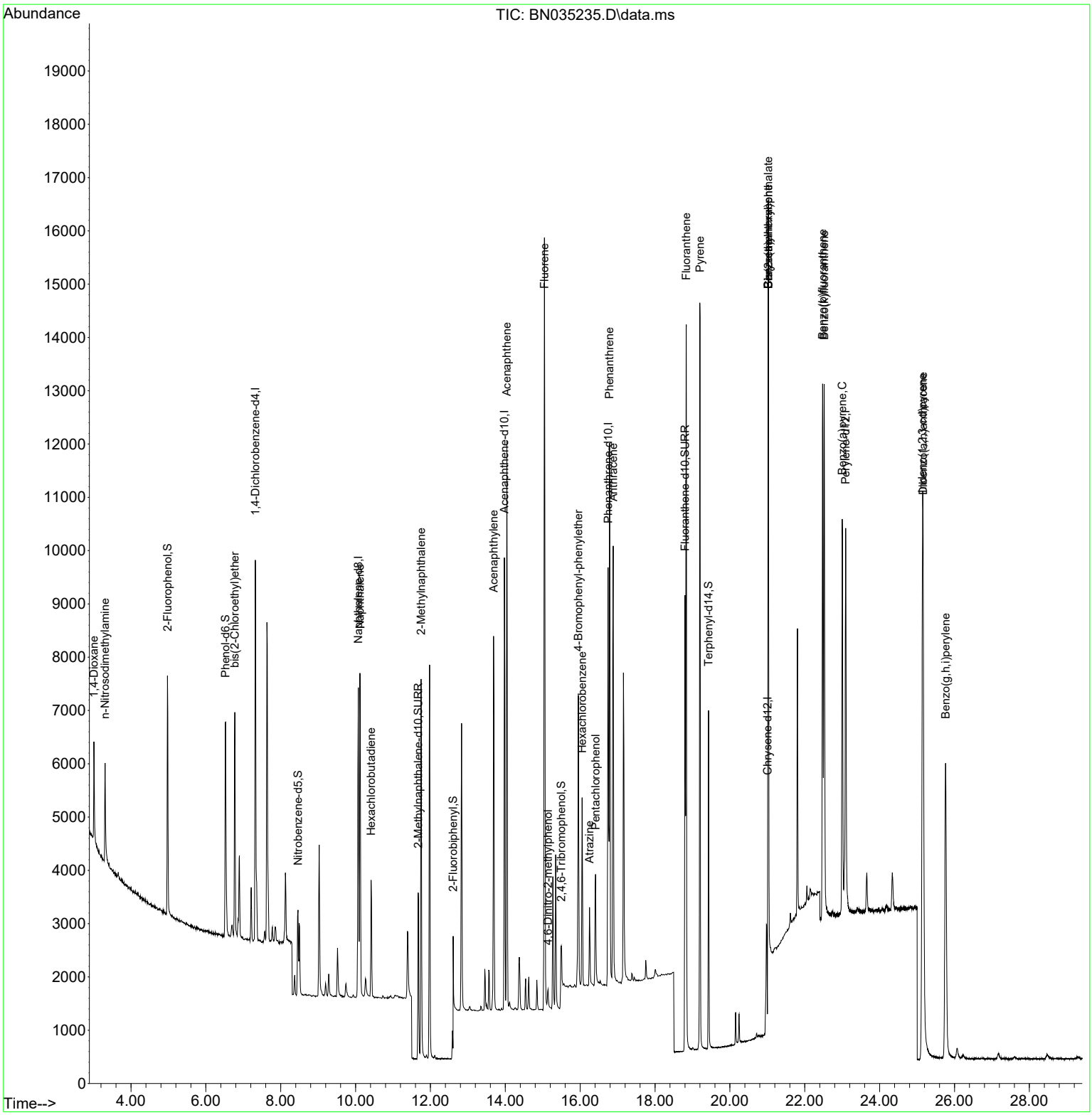
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.322	152	3350	0.400	ng		0.00
7) Naphthalene-d8	10.073	136	7674	0.400	ng		0.00
13) Acenaphthene-d10	13.976	164	4706	0.400	ng		-0.01
19) Phenanthrene-d10	16.746	188	9785	0.400	ng		# 0.00
29) Chrysene-d12	21.008	240	924	0.400	ng		# 0.00
35) Perylene-d12	23.092	264	8785	0.400	ng		#-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	4.975	112	3641	0.428	ng		0.00
5) Phenol-d6	6.528	99	4263	0.400	ng		0.00
8) Nitrobenzene-d5	8.461	82	1602	0.240	ng		0.00
11) 2-Methylnaphthalene-d10	11.674	152	4455	0.326	ng		0.00
14) 2,4,6-Tribromophenol	15.494	330	1140	0.336	ng		0.00
15) 2-Fluorobiphenyl	12.608	172	1202	0.063	ng		0.00
27) Fluoranthene-d10	18.802	212	9657	0.322	ng		0.00
31) Terphenyl-d14	19.429	244	6336	3.268	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.011	88	1275	0.419	ng		92
3) n-Nitrosodimethylamine	3.307	42	994	0.351	ng	#	88
6) bis(2-Chloroethyl)ether	6.773	93	3222	0.403	ng		97
9) Naphthalene	10.116	128	7849	0.392	ng		100
10) Hexachlorobutadiene	10.415	225	1778	0.303	ng	#	99
12) 2-Methylnaphthalene	11.750	142	5199	0.352	ng		96
16) Acenaphthylene	13.688	152	7880	0.392	ng		99
17) Acenaphthene	14.040	154	5046	0.383	ng		98
18) Fluorene	15.045	166	6711	0.346	ng		99
20) 4,6-Dinitro-2-methylph...	15.142	198	322	0.158	ng	#	47
21) 4-Bromophenyl-phenylether	15.952	248	2324	0.373	ng	#	84
22) Hexachlorobenzene	16.051	284	2690	0.416	ng		98
23) Atrazine	16.250	200	1260	0.225	ng		95
24) Pentachlorophenol	16.411	266	1189	0.393	ng		97
25) Phenanthrene	16.784	178	10390	0.403	ng		99
26) Anthracene	16.883	178	9521	0.403	ng		99
28) Fluoranthene	18.834	202	12485	0.353	ng	#	97
30) Pyrene	19.201	202	12814	4.164	ng		99
32) Benzo(a)anthracene	21.026	228	11745	3.650	ng		96
33) Chrysene	21.026	228	11745	3.685	ng		99
34) Bis(2-ethylhexyl)phtha...	21.026	149	1040	0.616	ng	#	85
36) Indeno(1,2,3-cd)pyrene	25.145	276	13630	0.389	ng	#	90
37) Benzo(b)fluoranthene	22.475	252	11553	0.391	ng	#	95
38) Benzo(k)fluoranthene	22.519	252	11920	0.403	ng	#	94
39) Benzo(a)pyrene	23.002	252	10296	0.396	ng	#	93
40) Dibenzo(a,h)anthracene	25.162	278	10355	0.373	ng	#	90
41) Benzo(g,h,i)perylene	25.762	276	11294	0.382	ng	#	91

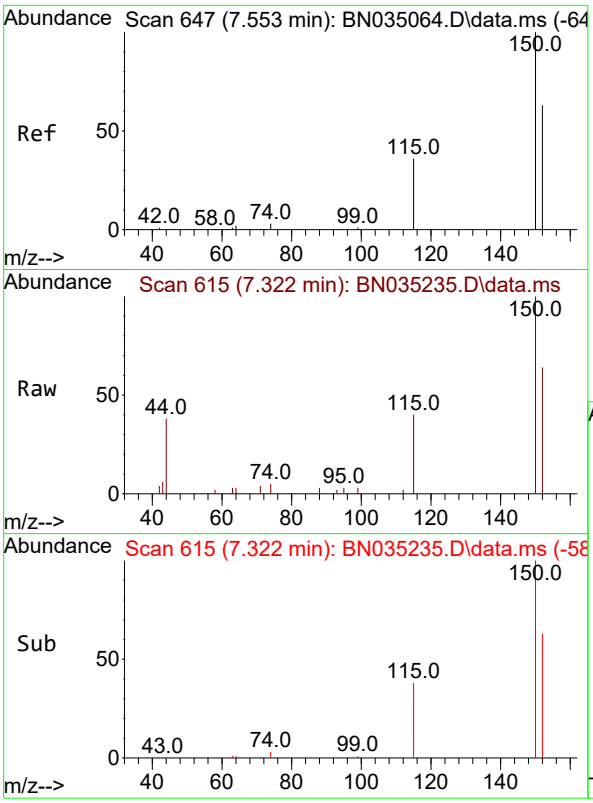
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112124\
Data File : BN035235.D
Acq On : 21 Nov 2024 23:01
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Nov 21 23:33:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:00:03 2024
Response via : Initial Calibration



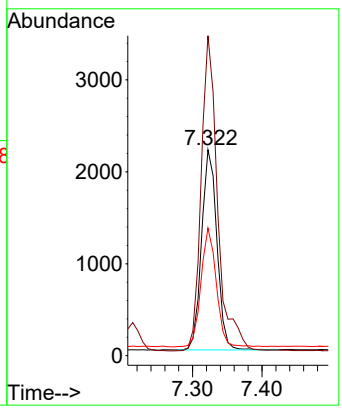


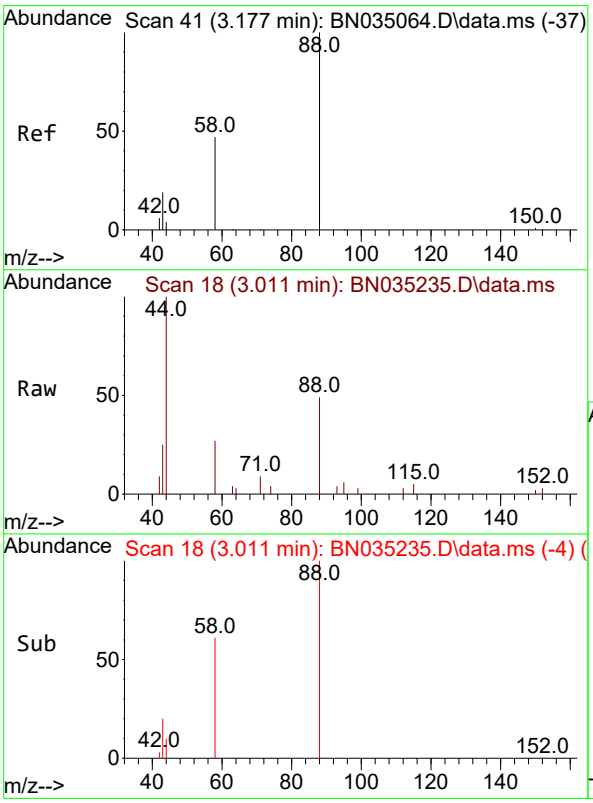
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.322 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 3350

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.5	186.7
115	62.1	47.8	71.6

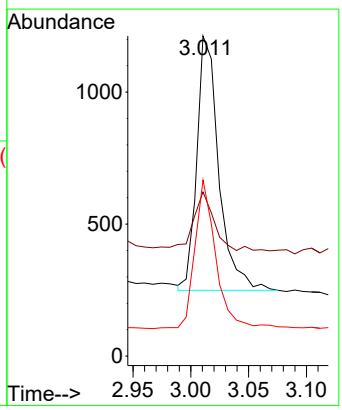


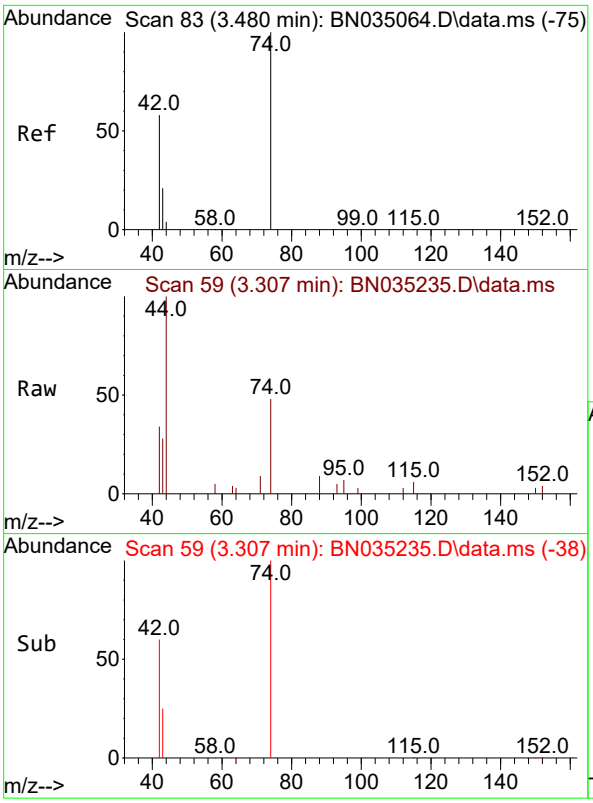


#2
1,4-Dioxane
Concen: 0.419 ng
RT: 3.011 min Scan# 18
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion: 88 Resp: 1275

Ion	Ratio	Lower	Upper
88	100		
43	22.0	16.9	25.3
58	56.2	39.0	58.4



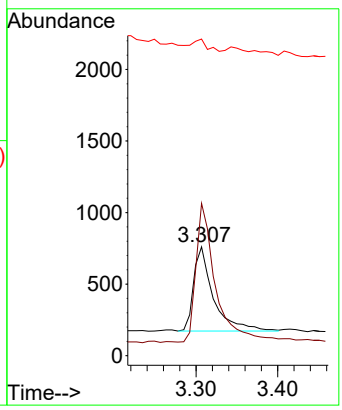


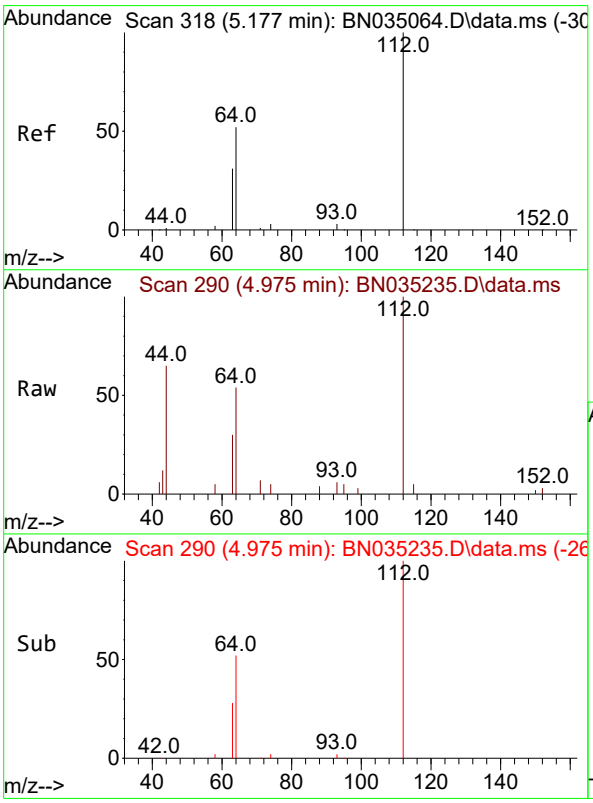
#3
n-Nitrosodimethylamine
Concen: 0.351 ng
RT: 3.307 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 994

Ion	Ratio	Lower	Upper
42	100		
74	166.1	120.8	181.2
44	10.4	2.9	4.3#

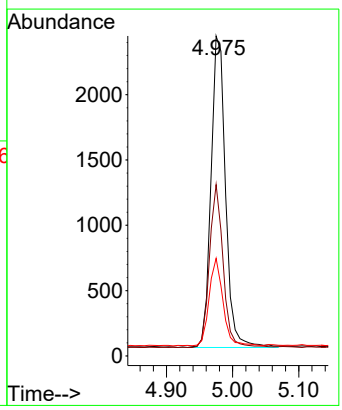


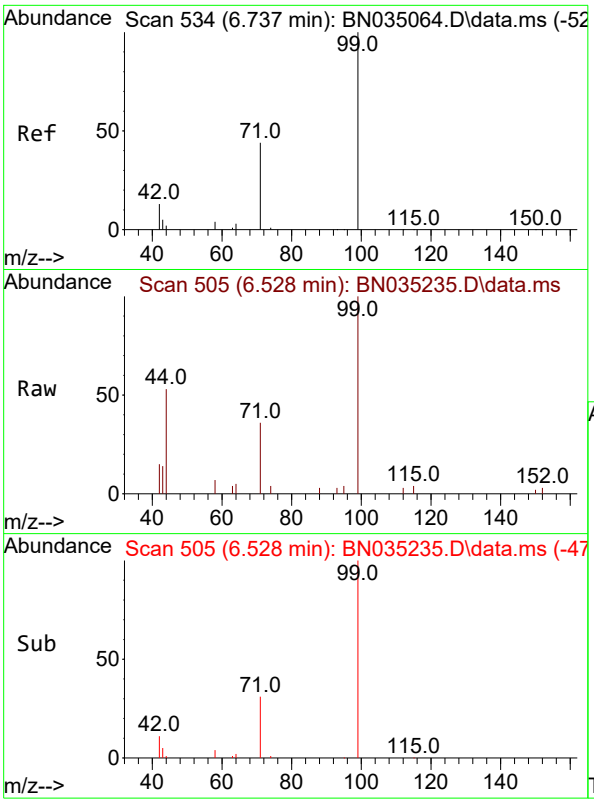


#4
2-Fluorophenol
Concen: 0.428 ng
RT: 4.975 min Scan# 290
Delta R.T. -0.007 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:112 Resp: 3641

Ion	Ratio	Lower	Upper
112	100		
64	48.9	39.7	59.5
63	26.9	23.0	34.4



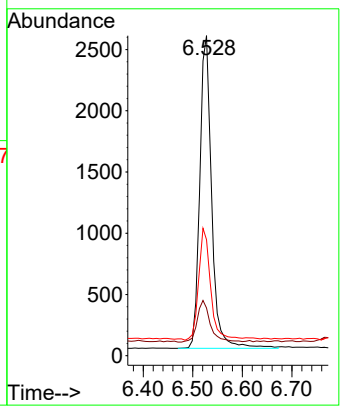


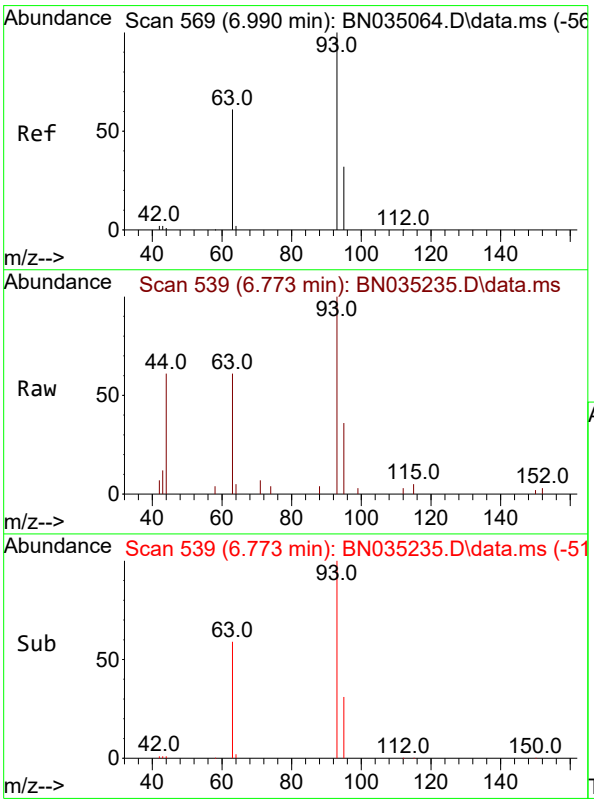
#5
Phenol-d6
Concen: 0.400 ng
RT: 6.528 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 4263

Ion	Ratio	Lower	Upper
99	100		
42	14.5	11.4	17.0
71	35.9	34.6	51.8

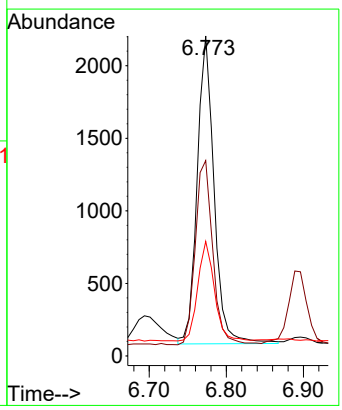


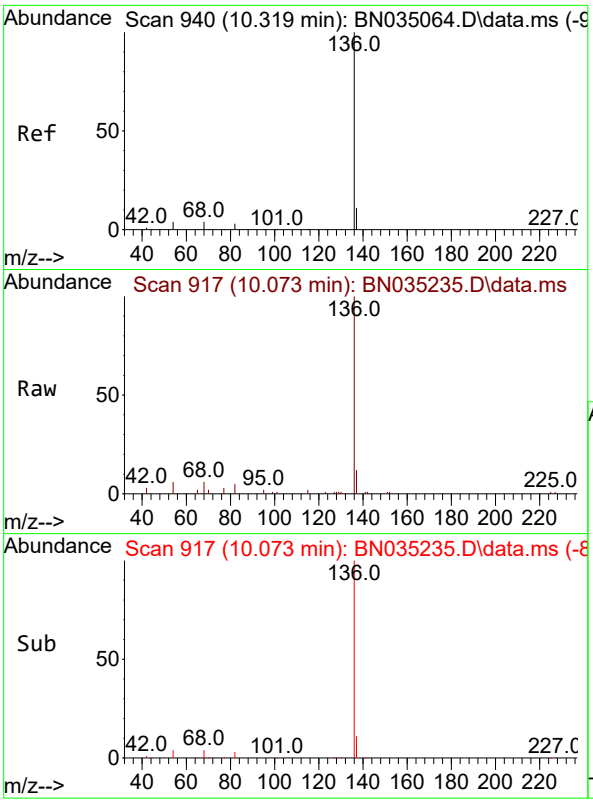


#6
bis(2-Chloroethyl)ether
Concen: 0.403 ng
RT: 6.773 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion: 93 Resp: 3222

Ion	Ratio	Lower	Upper
93	100		
63	61.9	47.4	71.2
95	31.4	26.2	39.4



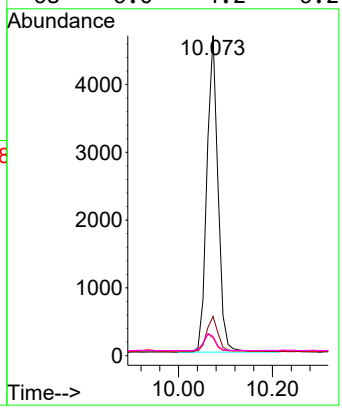


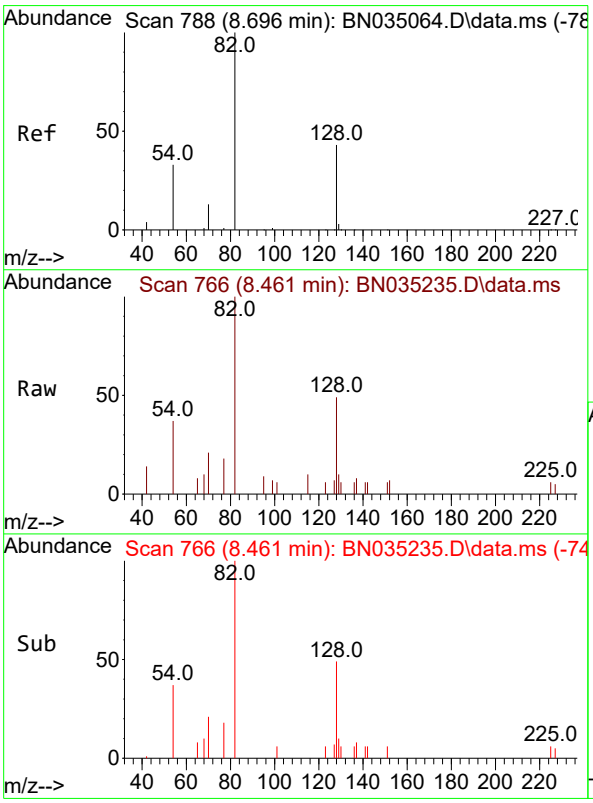
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.073 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 7674

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.8	14.8
54	5.6	4.0	6.0
68	6.0	4.2	6.2

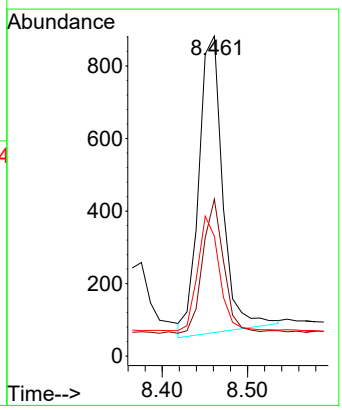


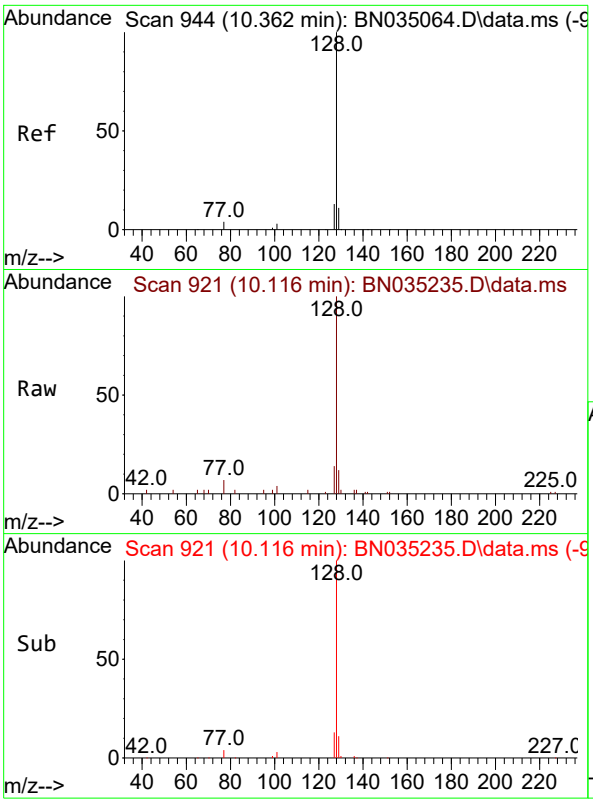


#8
Nitrobenzene-d5
Concen: 0.240 ng
RT: 8.461 min Scan# 766
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion: 82 Resp: 1602

Ion	Ratio	Lower	Upper
82	100		
128	49.0	36.5	54.7
54	37.5	28.7	43.1



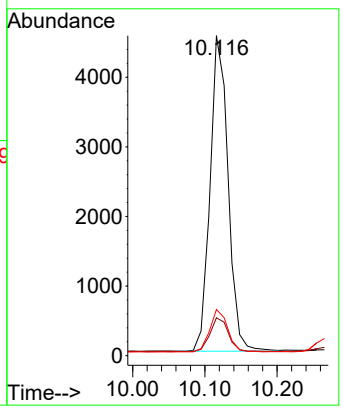


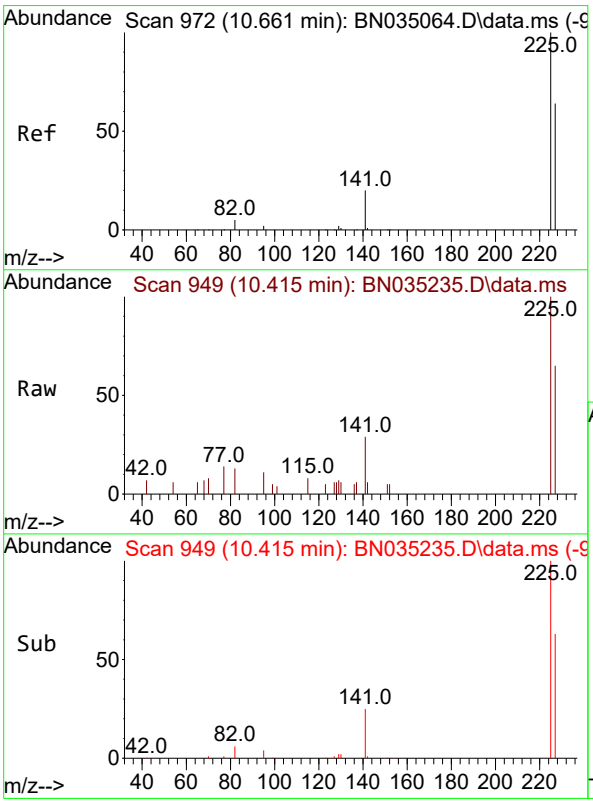
#9
Naphthalene
Concen: 0.392 ng
RT: 10.116 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 7849

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.6	14.4
127	14.5	11.6	17.4

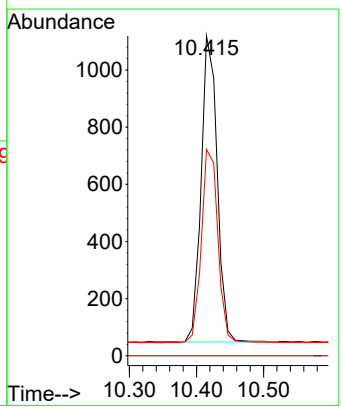


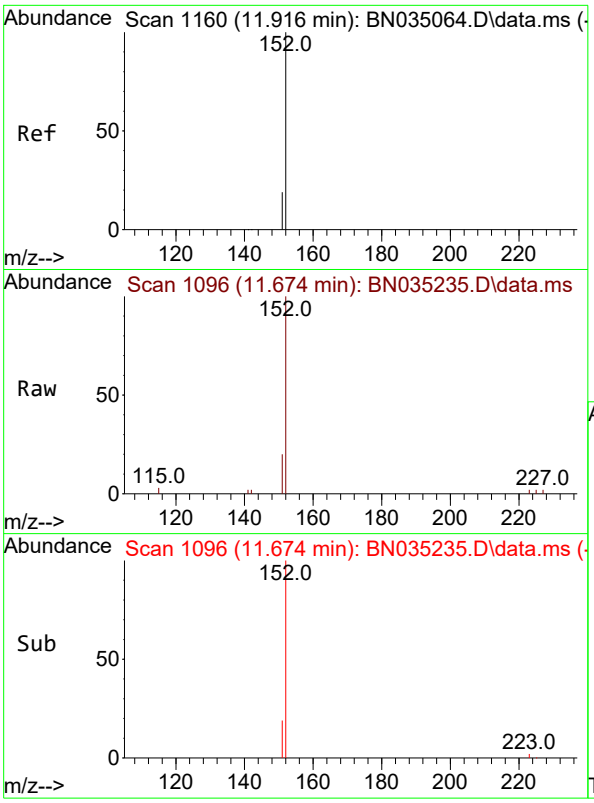


#10
Hexachlorobutadiene
Concen: 0.303 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.011 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:225 Resp: 1778

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.5	51.5	77.3



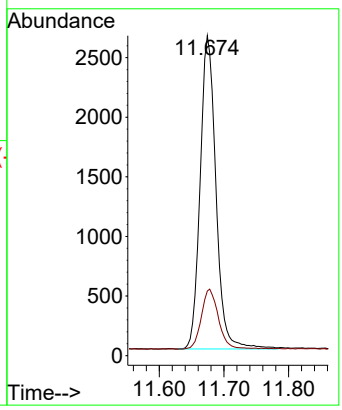


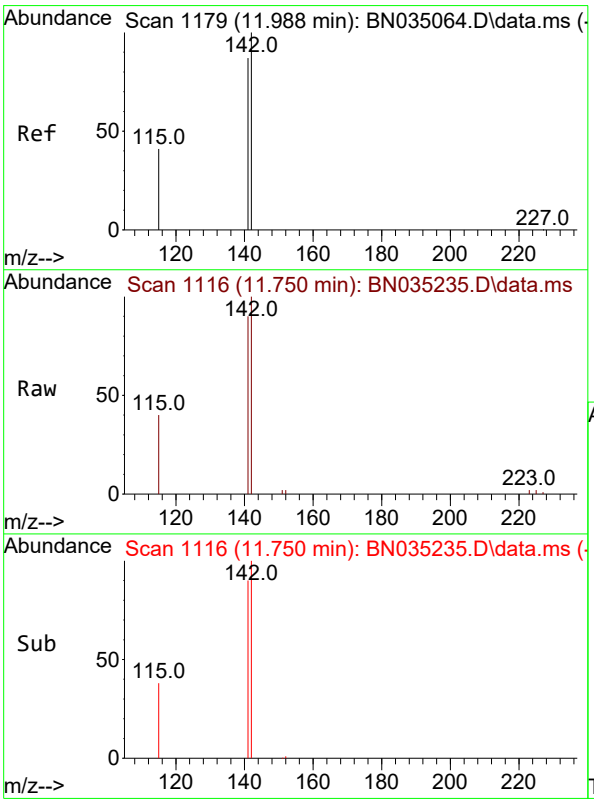
#11
2-Methylnaphthalene-d10
Concen: 0.326 ng
RT: 11.674 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 4455

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.4

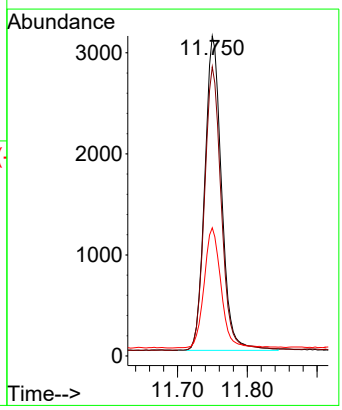


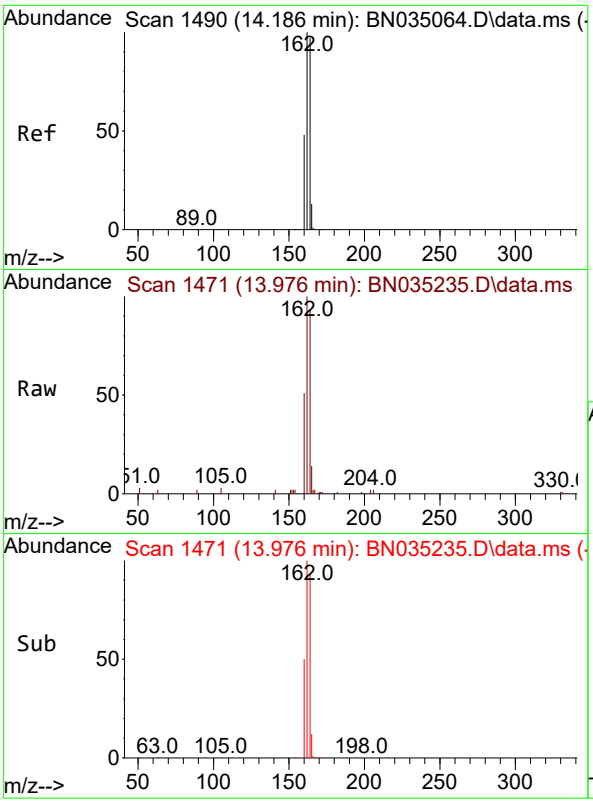


#12
2-Methylnaphthalene
Concen: 0.352 ng
RT: 11.750 min Scan# 1116
Delta R.T. -0.004 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:142 Resp: 5199

Ion	Ratio	Lower	Upper
142	100		
141	90.4	70.1	105.1
115	40.1	34.4	51.6



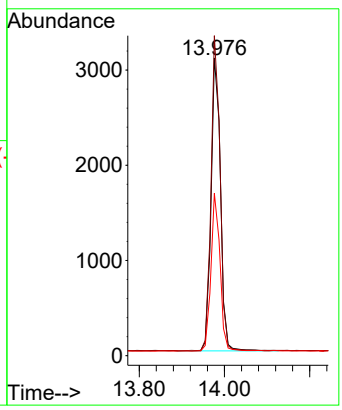


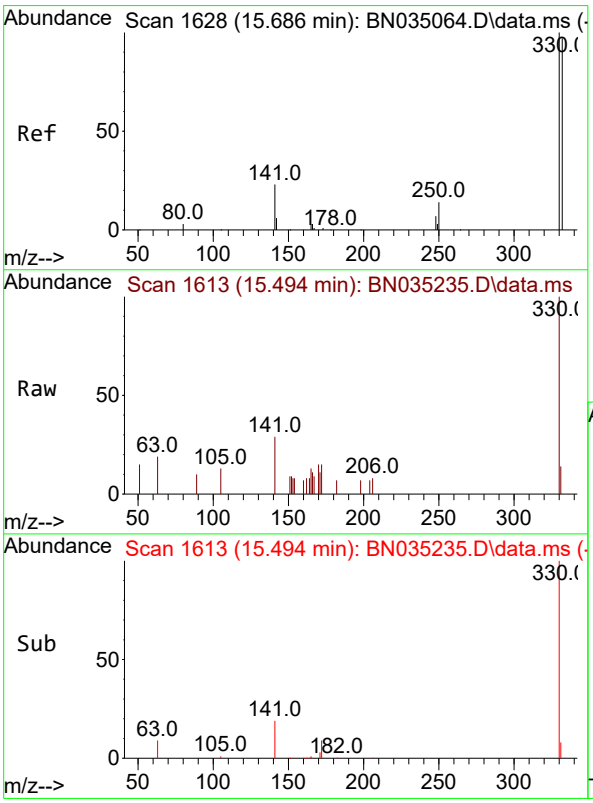
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 4706

Ion	Ratio	Lower	Upper
164	100		
162	107.5	82.2	123.2
160	54.6	40.2	60.4

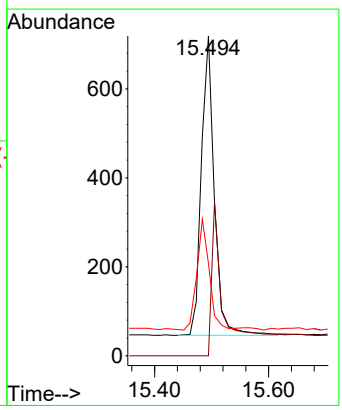


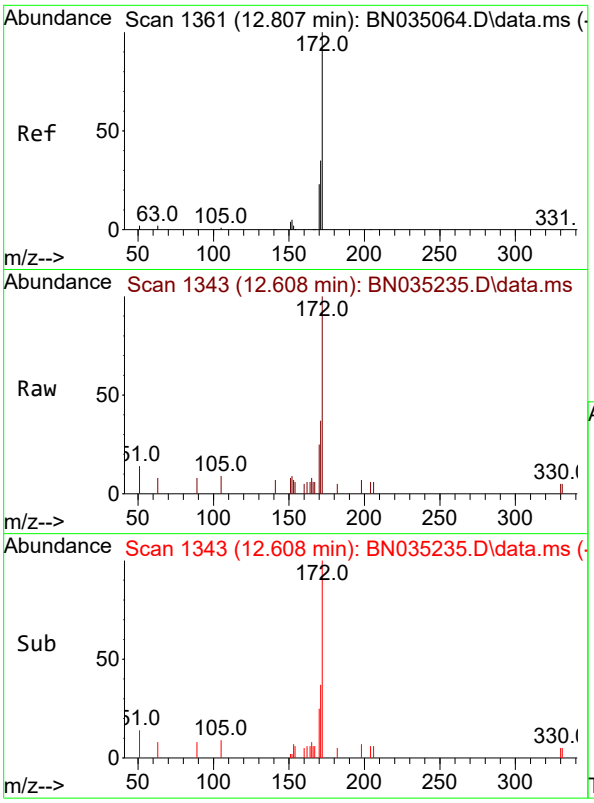


#14
2,4,6-Tribromophenol
Concen: 0.336 ng
RT: 15.494 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:330 Resp: 1140

Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.9	115.3#
141	34.2	29.6	44.4



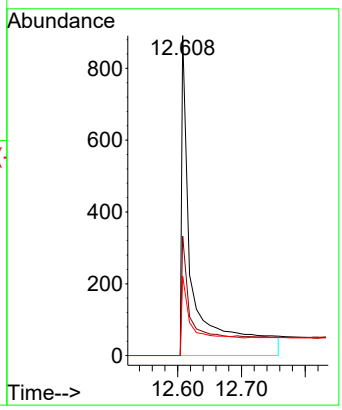


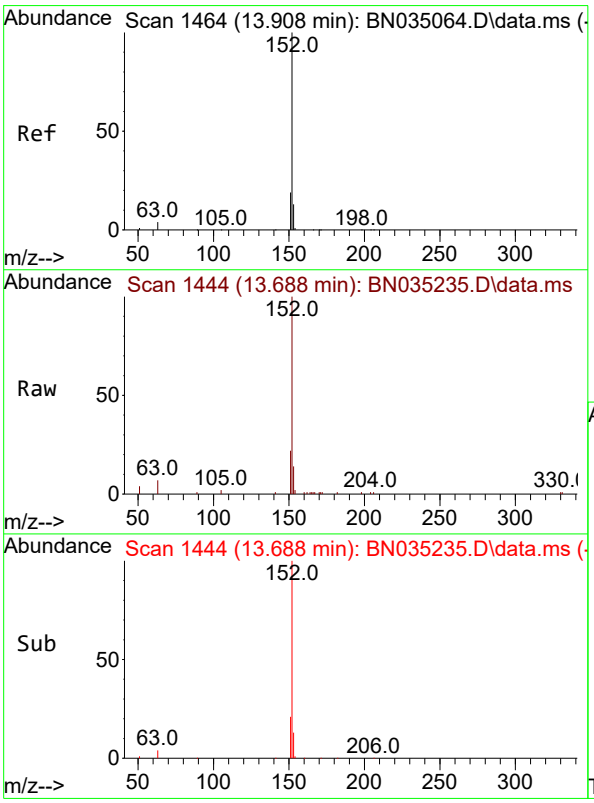
#15
2-Fluorobiphenyl
Concen: 0.063 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 1202

Ion	Ratio	Lower	Upper
172	100		
171	37.4	28.2	42.4
170	24.8	19.0	28.6

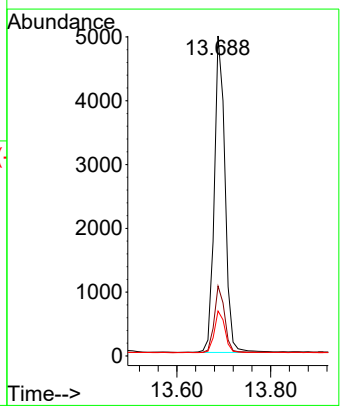


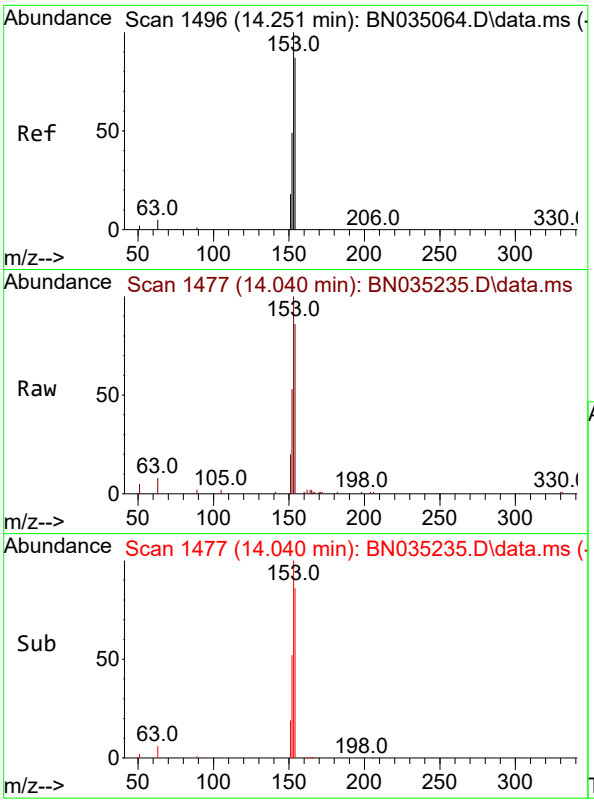


#16
Acenaphthylene
Concen: 0.392 ng
RT: 13.688 min Scan# 1444
Delta R.T. -0.011 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:152 Resp: 7880

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.8
153	13.3	10.2	15.4



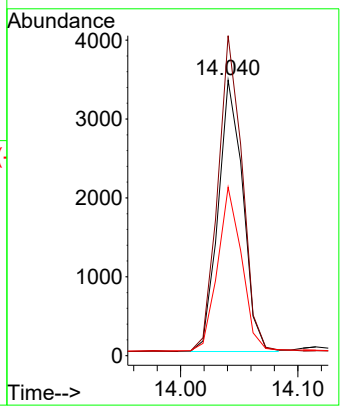


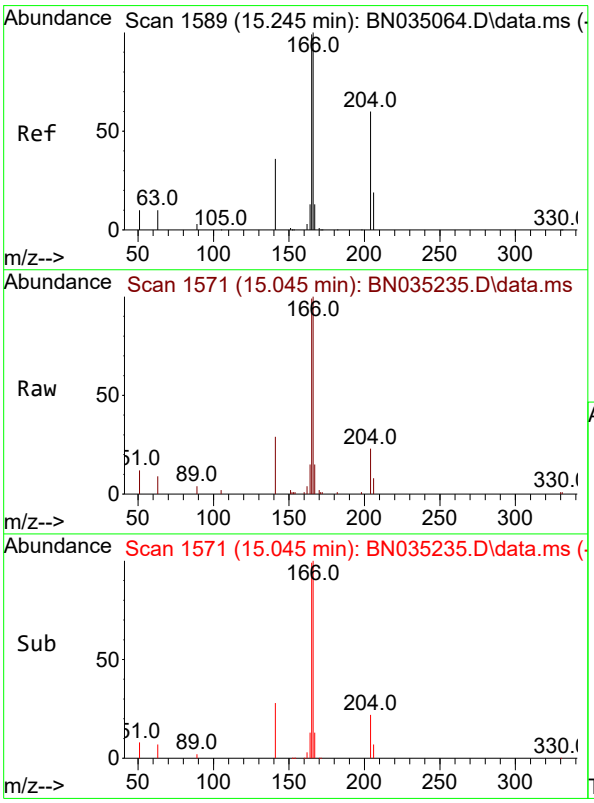
#17
Acenaphthene
Concen: 0.383 ng
RT: 14.040 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 5046

Ion	Ratio	Lower	Upper
154	100		
153	115.6	91.6	137.4
152	59.8	45.8	68.6

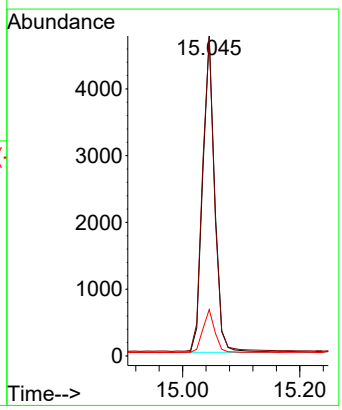


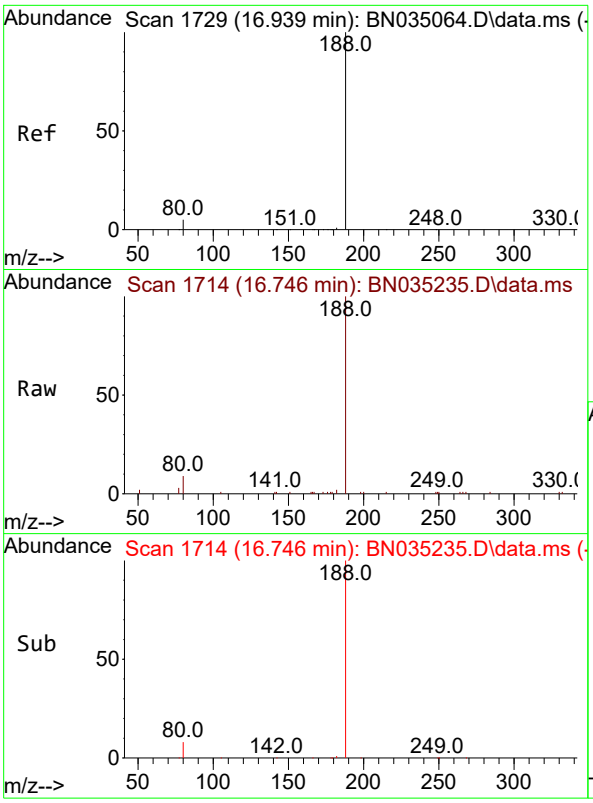


#18
Fluorene
Concen: 0.346 ng
RT: 15.045 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:166 Resp: 6711

Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.1	118.7
167	13.8	10.6	16.0



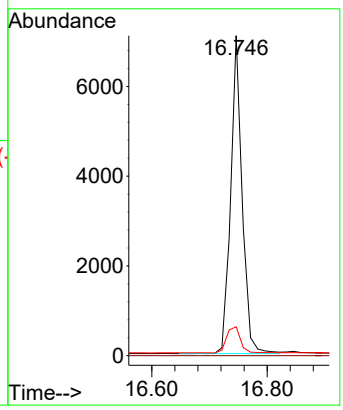


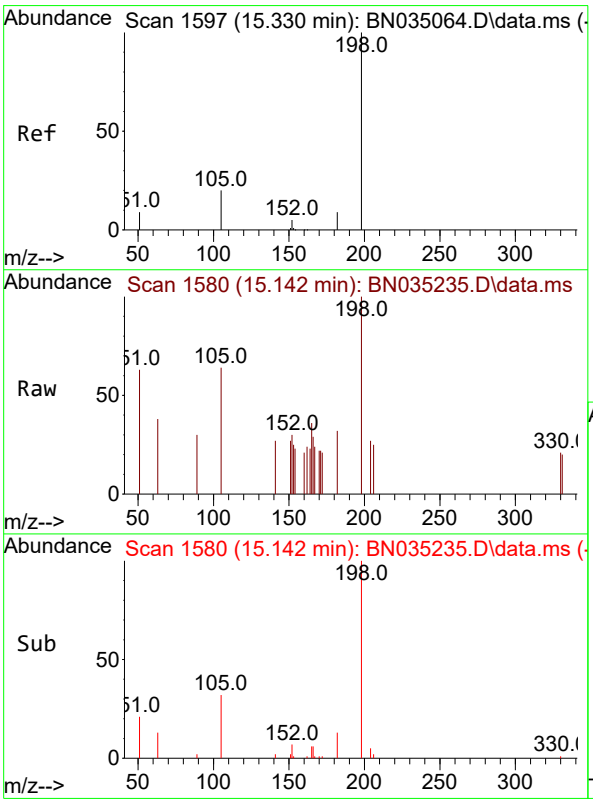
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.746 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 9785

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	4.3	6.5#

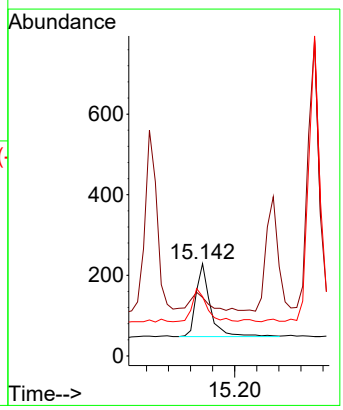


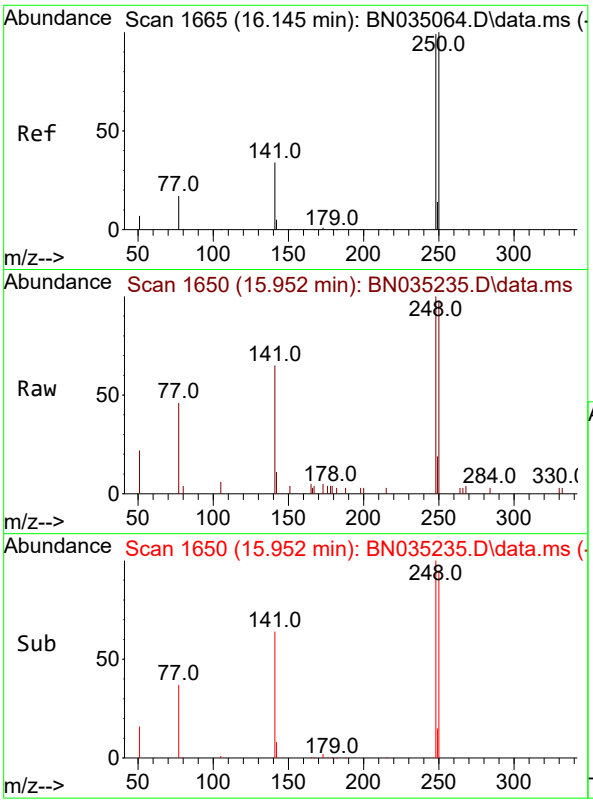


#20
4,6-Dinitro-2-methylphenol
Concen: 0.158 ng
RT: 15.142 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:198 Resp: 322

Ion	Ratio	Lower	Upper
198	100		
51	63.3	29.9	44.9#
105	64.2	23.7	35.5#



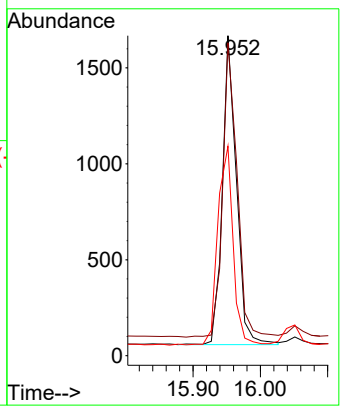


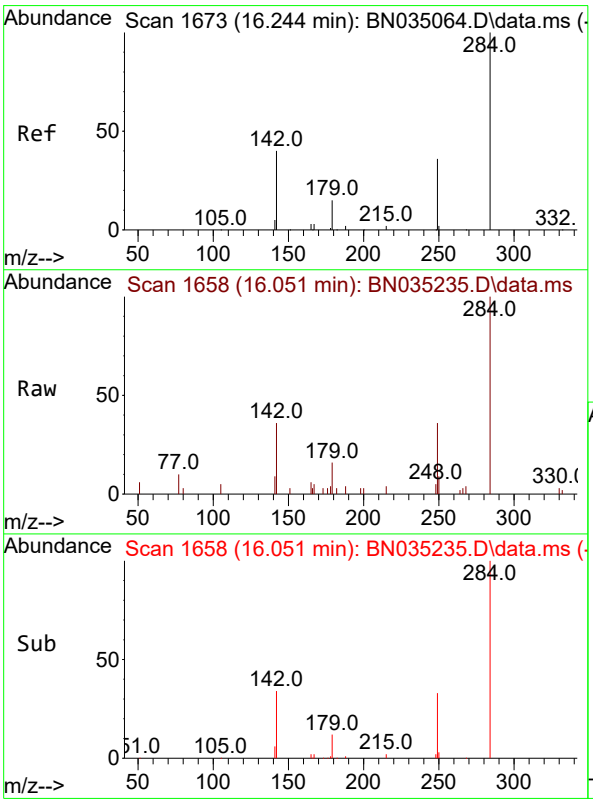
#21
4-Bromophenyl-phenylether
Concen: 0.373 ng
RT: 15.952 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 2324

Ion	Ratio	Lower	Upper
248	100		
250	97.8	81.2	121.8
141	65.5	29.1	43.7#

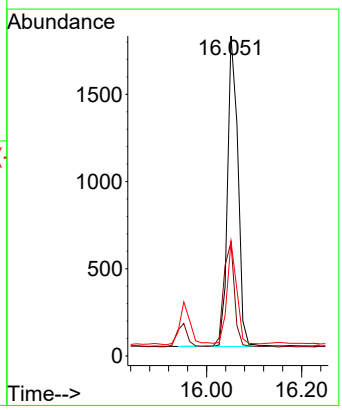


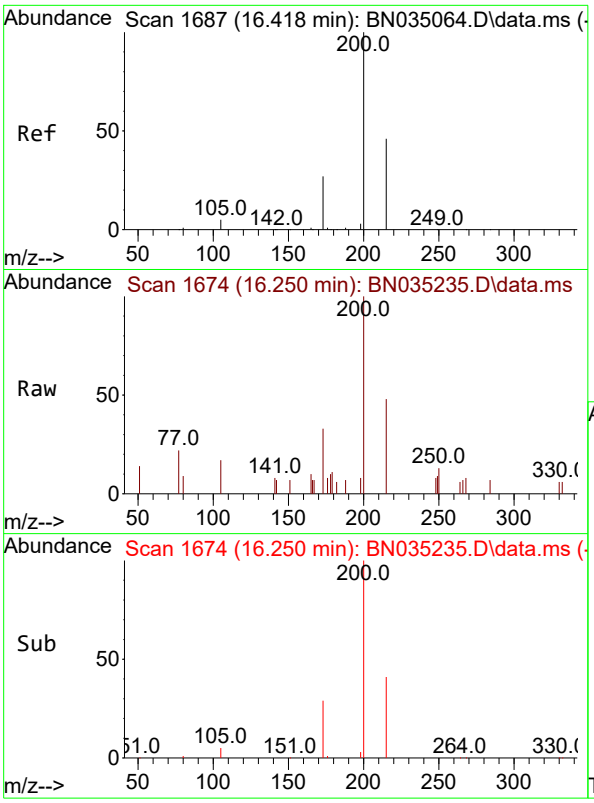


#22
Hexachlorobenzene
Concen: 0.416 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.012 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:284 Resp: 2690

Ion	Ratio	Lower	Upper
284	100		
142	35.7	28.2	42.4
249	30.9	26.2	39.2



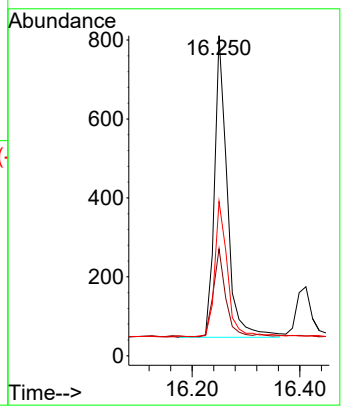


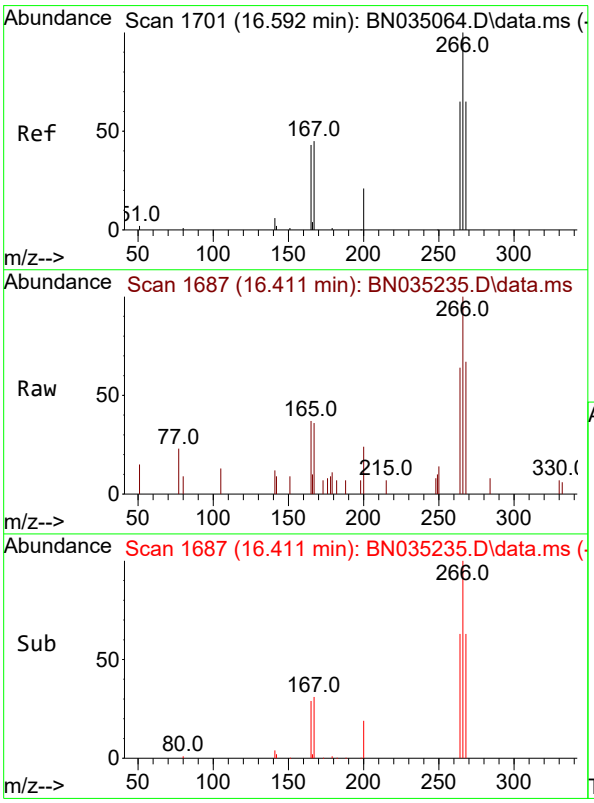
#23
Atrazine
Concen: 0.225 ng
RT: 16.250 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 1260

Ion	Ratio	Lower	Upper
200	100		
173	33.4	22.6	33.8
215	48.2	37.8	56.6

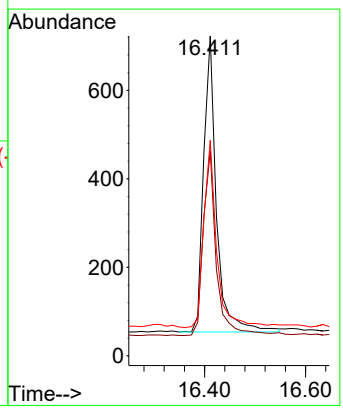


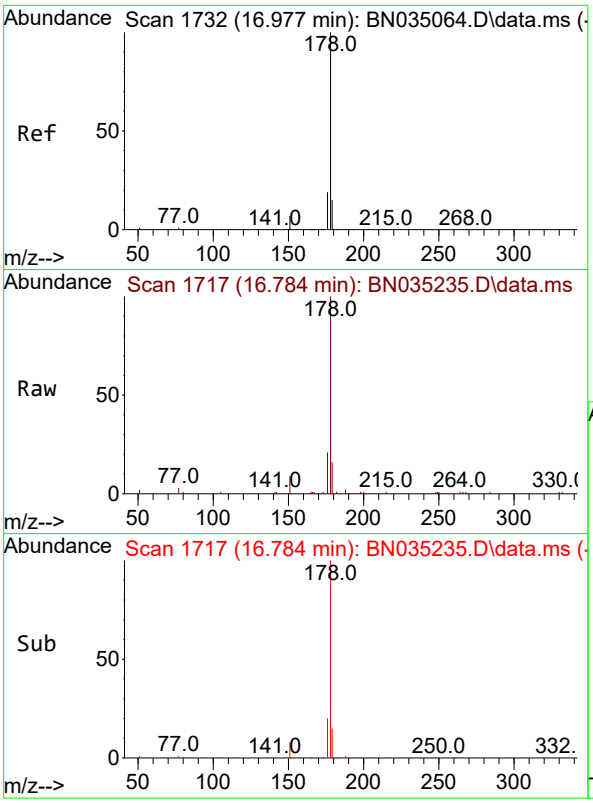


#24
Pentachlorophenol
Concen: 0.393 ng
RT: 16.411 min Scan# 1687
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:266 Resp: 1189

Ion	Ratio	Lower	Upper
266	100		
264	63.5	49.4	74.0
268	63.4	52.6	79.0



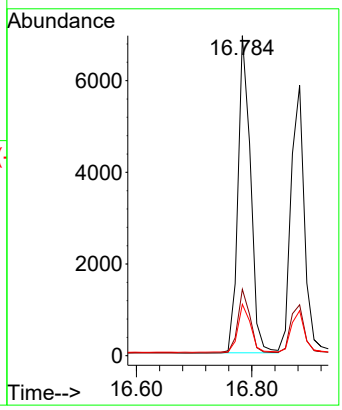


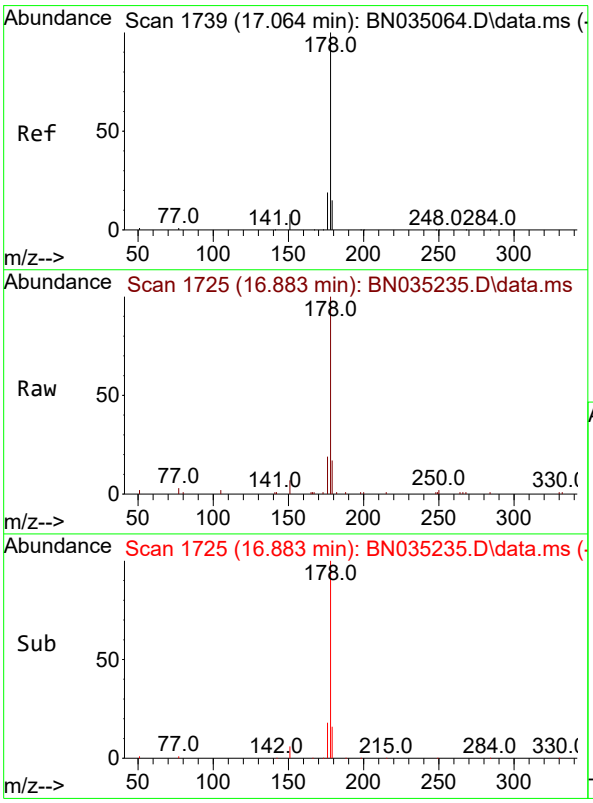
#25
Phenanthrene
Concen: 0.403 ng
RT: 16.784 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 10390

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.2	22.8
179	15.6	12.6	18.8

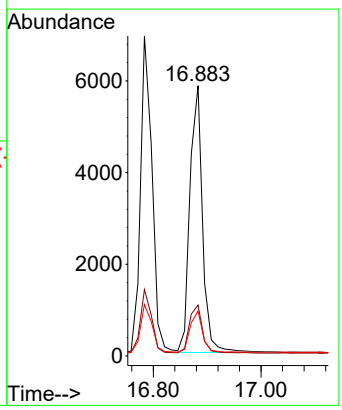


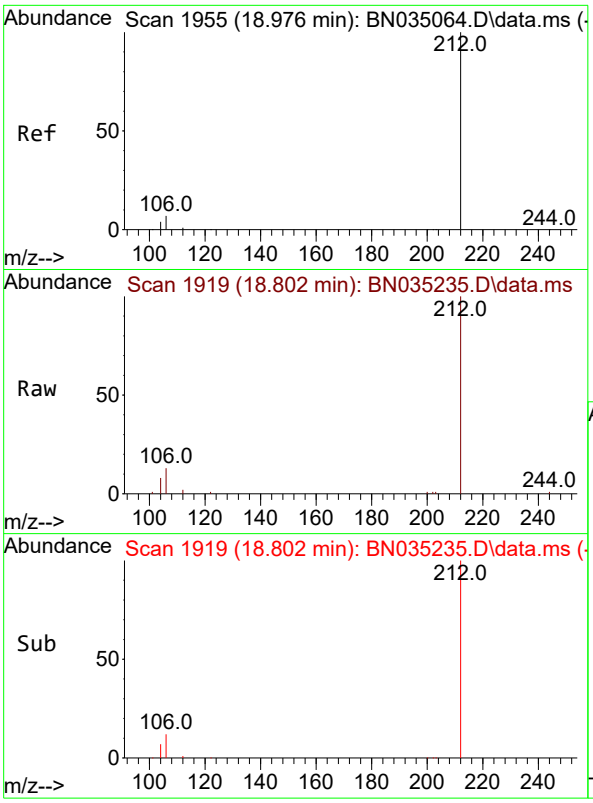


#26
Anthracene
Concen: 0.403 ng
RT: 16.883 min Scan# 1725
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:178 Resp: 9521

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	22.0
179	15.2	12.2	18.2



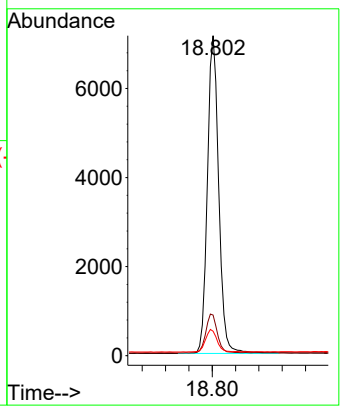


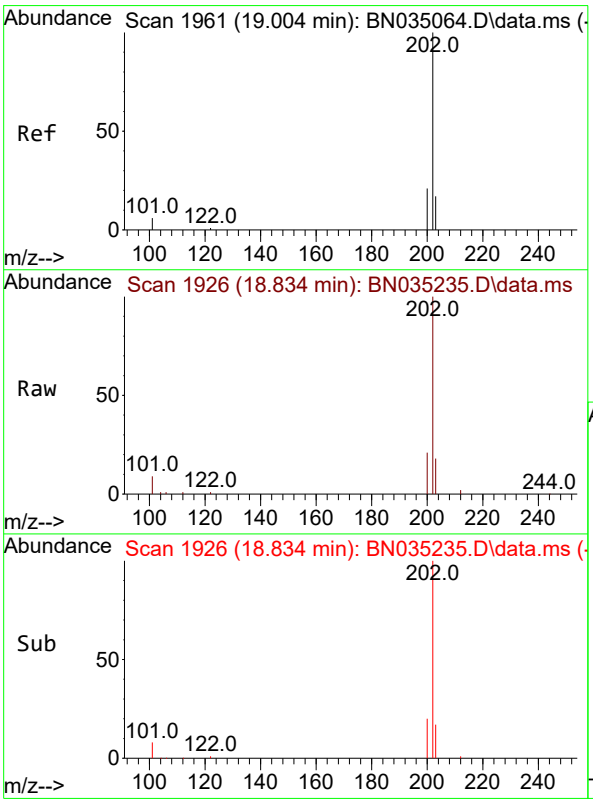
#27
Fluoranthene-d10
Concen: 0.322 ng
RT: 18.802 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 9657

Ion	Ratio	Lower	Upper
212	100		
106	12.4	6.0	9.0#
104	7.3	3.5	5.3#

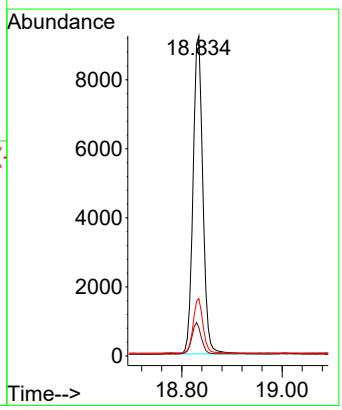


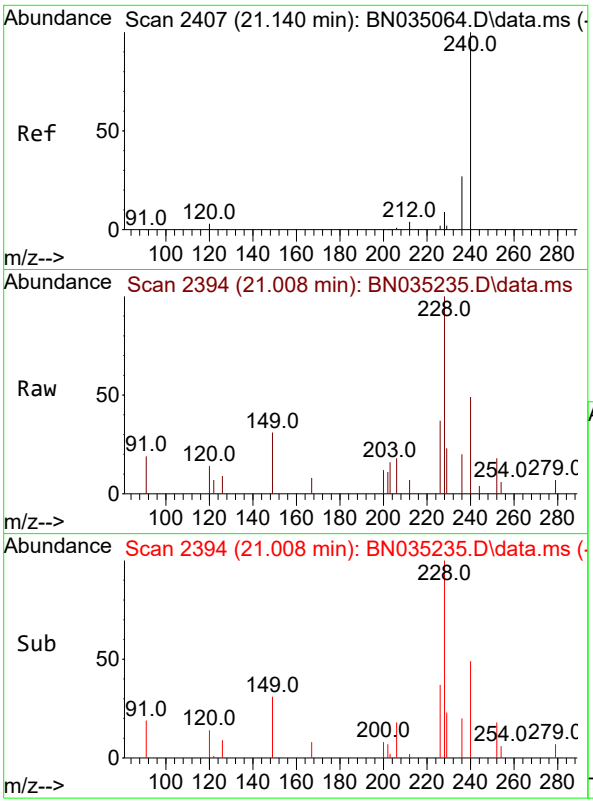


#28
Fluoranthene
Concen: 0.353 ng
RT: 18.834 min Scan# 1926
Delta R.T. -0.005 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:202 Resp: 12485

Ion	Ratio	Lower	Upper
202	100		
101	9.9	5.2	7.8#
203	17.0	13.8	20.8



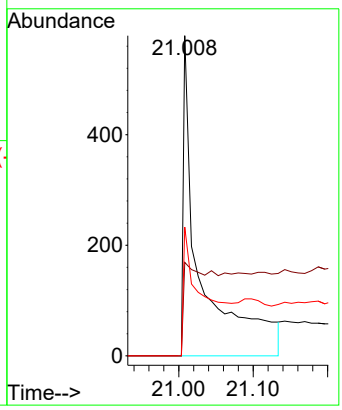


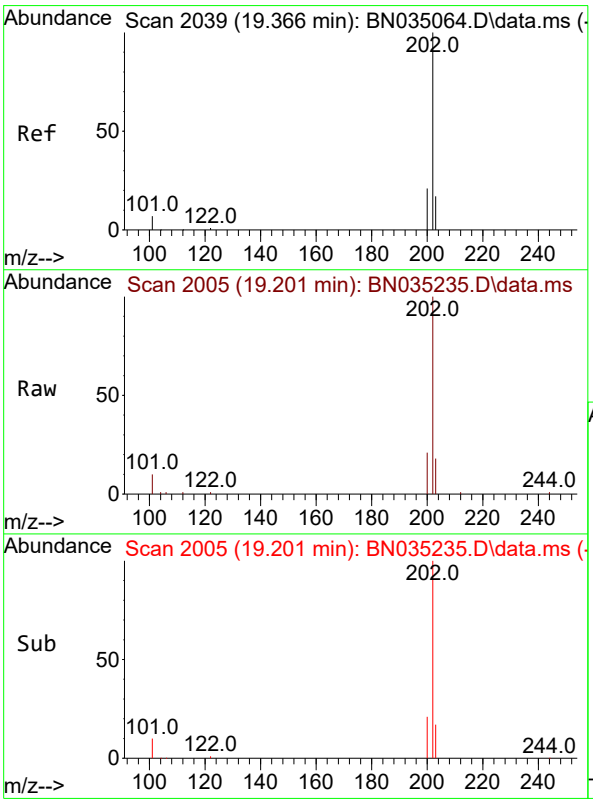
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 924

Ion	Ratio	Lower	Upper
240	100		
120	29.2	3.8	5.6#
236	40.2	22.2	33.2#

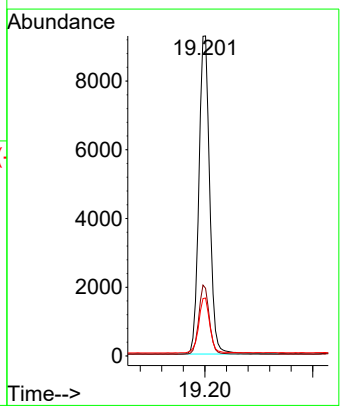


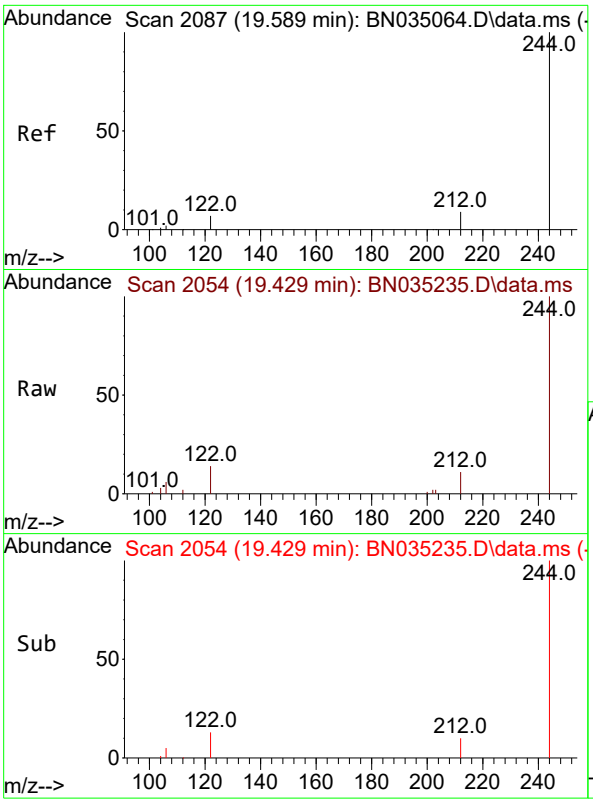


#30
Pyrene
Concen: 4.164 ng
RT: 19.201 min Scan# 2005
Delta R.T. -0.005 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:202 Resp: 12814

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.7	14.2	21.4



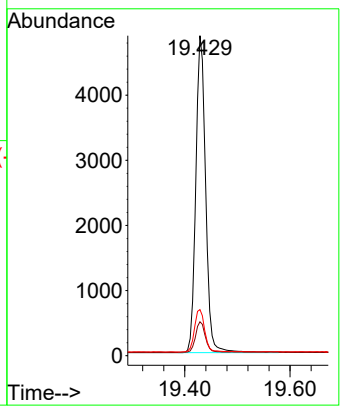


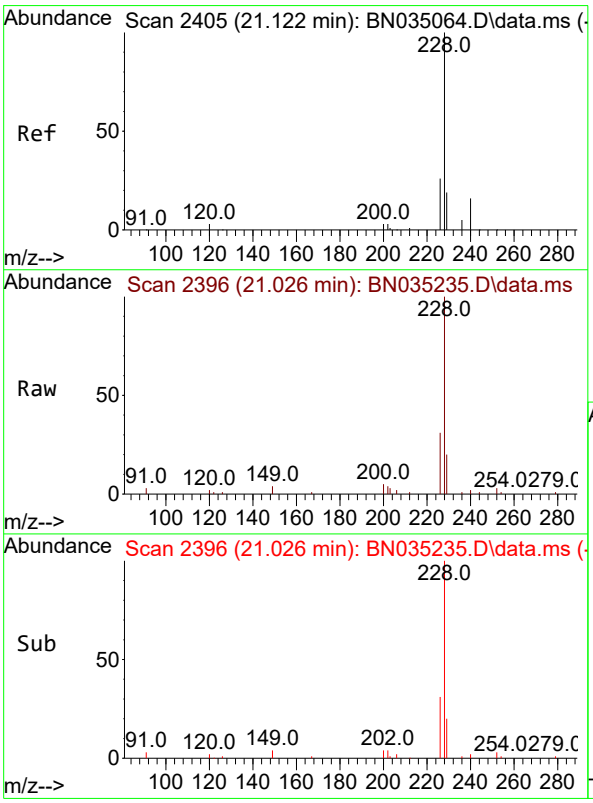
#31
Terphenyl-d14
Concen: 3.268 ng
RT: 19.429 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 6336

Ion	Ratio	Lower	Upper
244	100		
212	10.6	7.6	11.4
122	14.4	6.1	9.1#

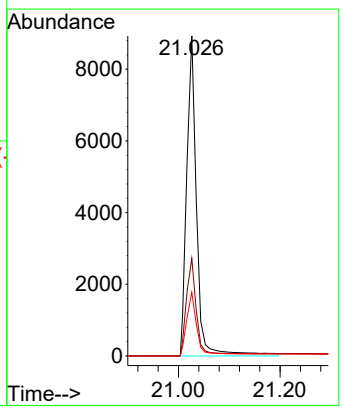


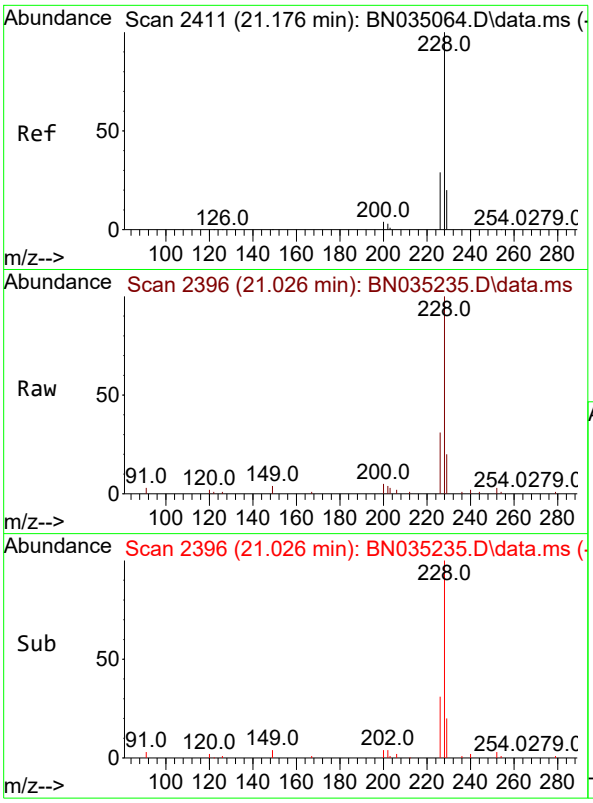


#32
Benzo(a)anthracene
Concen: 3.650 ng
RT: 21.026 min Scan# 2396
Delta R.T. -0.009 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:228 Resp: 11745

Ion	Ratio	Lower	Upper
228	100		
226	30.5	21.4	32.0
229	19.8	15.7	23.5



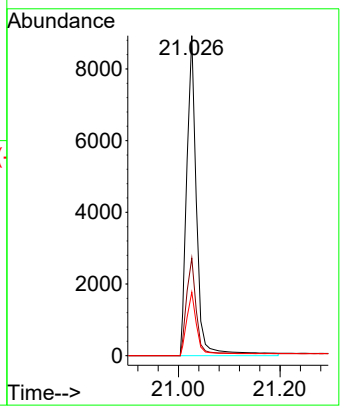


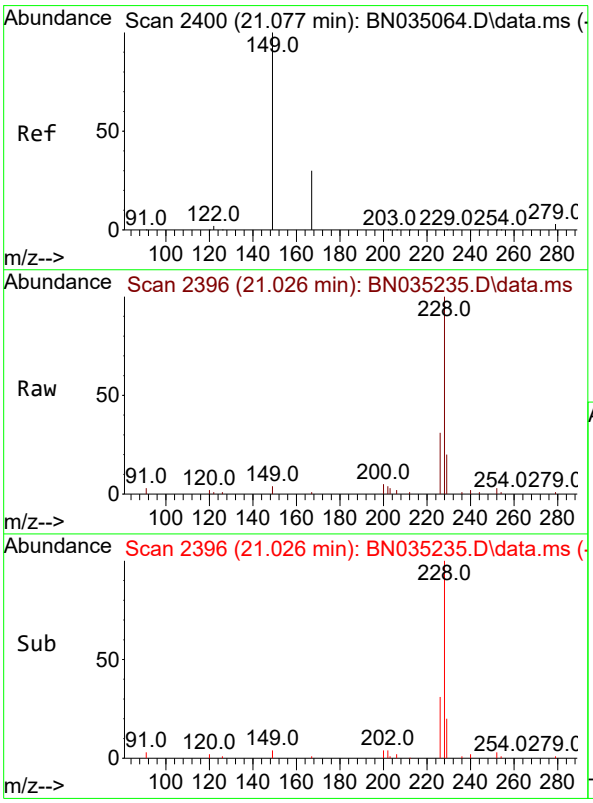
#33
Chrysene
Concen: 3.685 ng
RT: 21.026 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 11745

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.7	35.5
229	19.8	16.2	24.4

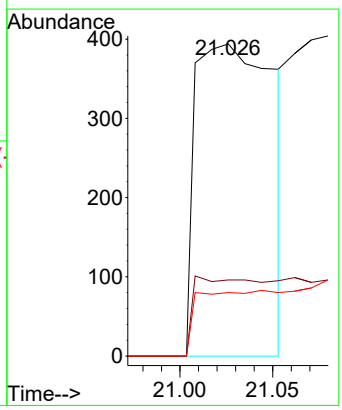


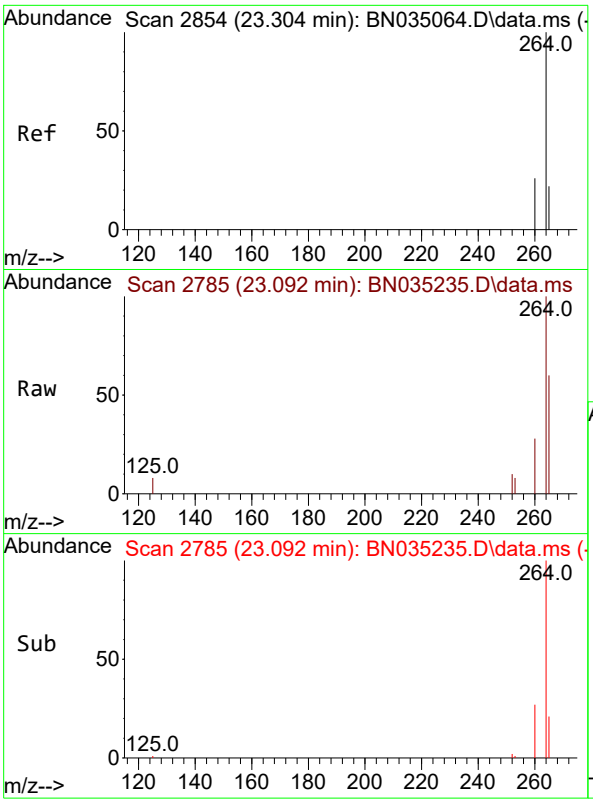


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.616 ng
RT: 21.026 min Scan# 2396
Delta R.T. -0.000 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:149 Resp: 1040

Ion	Ratio	Lower	Upper
149	100		
167	20.9	23.2	34.8#
279	0.0	3.2	4.8#



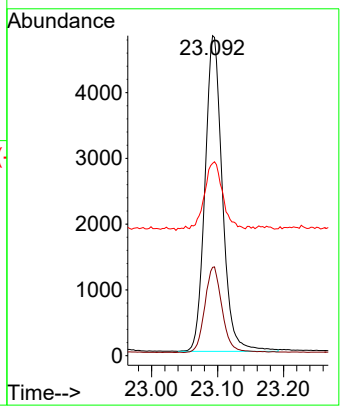


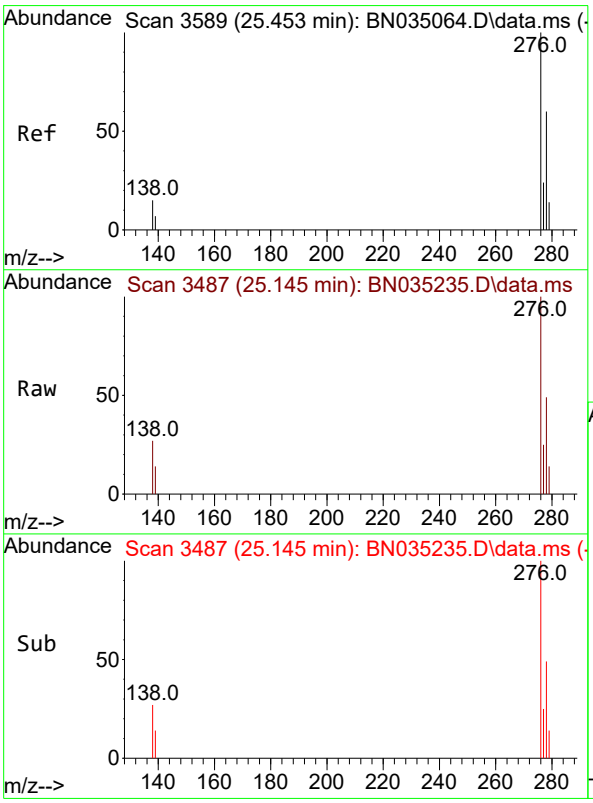
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.092 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 8785

Ion	Ratio	Lower	Upper
264	100		
260	27.6	20.9	31.3
265	60.1	35.4	53.2#

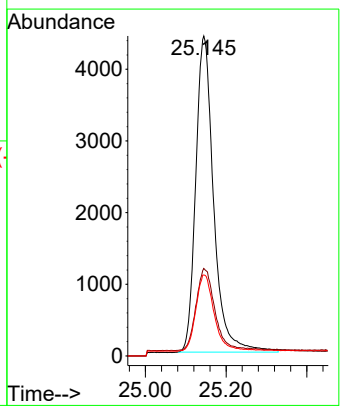


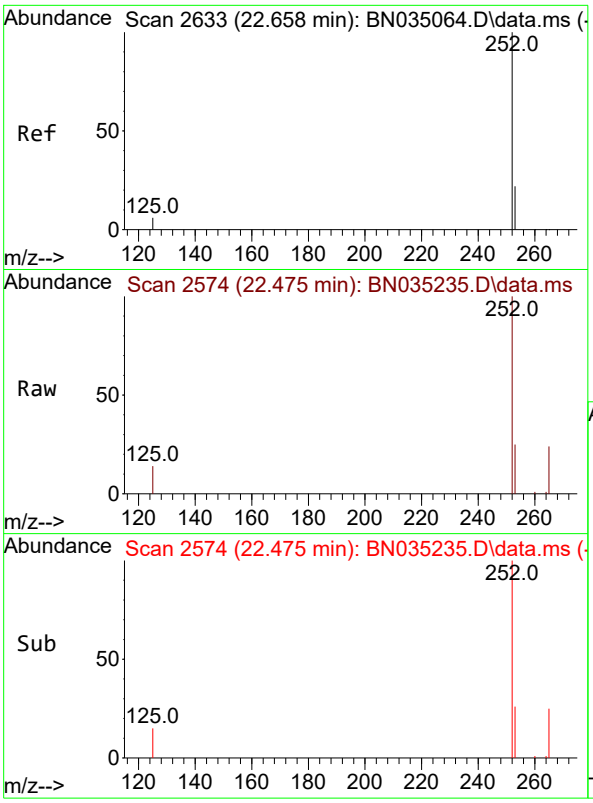


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.389 ng
RT: 25.145 min Scan# 3487
Delta R.T. -0.012 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:276 Resp: 13630

Ion	Ratio	Lower	Upper
276	100		
138	26.1	13.0	19.4#
277	23.9	19.8	29.6



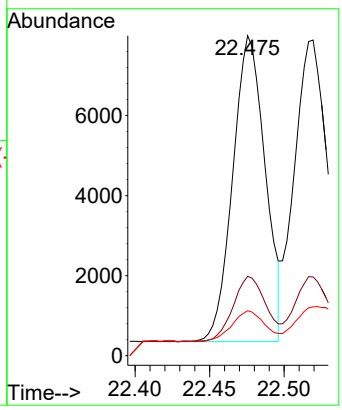


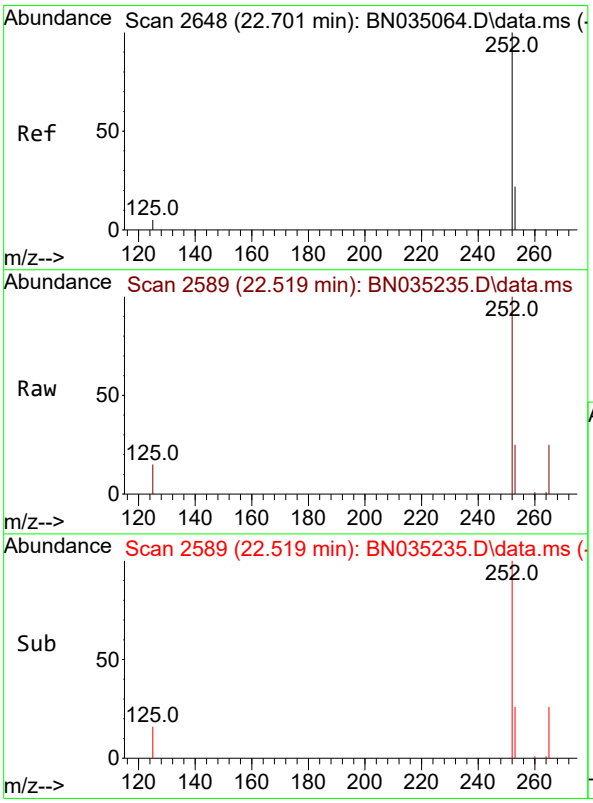
#37
Benzo(b)fluoranthene
Concen: 0.391 ng
RT: 22.475 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 11553

Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.3	28.9
125	14.0	6.2	9.2#

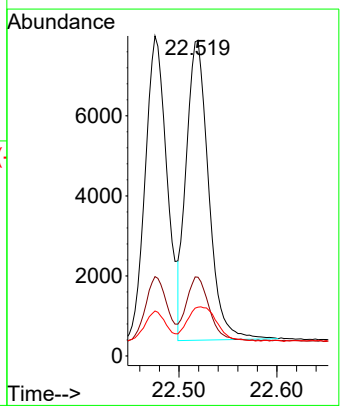


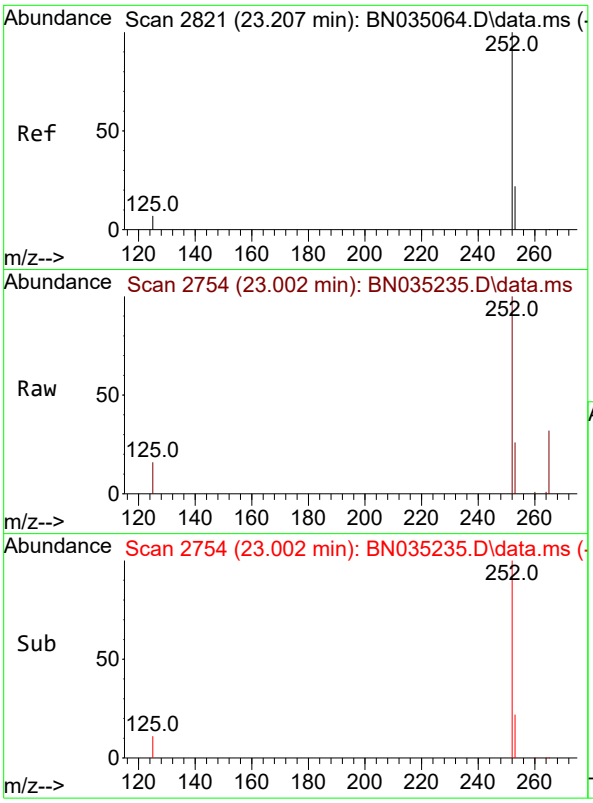


#38
Benzo(k)fluoranthene
Concen: 0.403 ng
RT: 22.519 min Scan# 2589
Delta R.T. -0.009 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:252 Resp: 11920

Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.5	29.3
125	15.4	6.5	9.7#



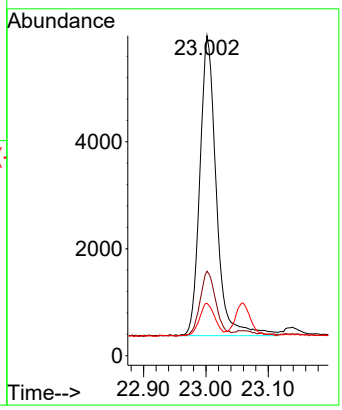


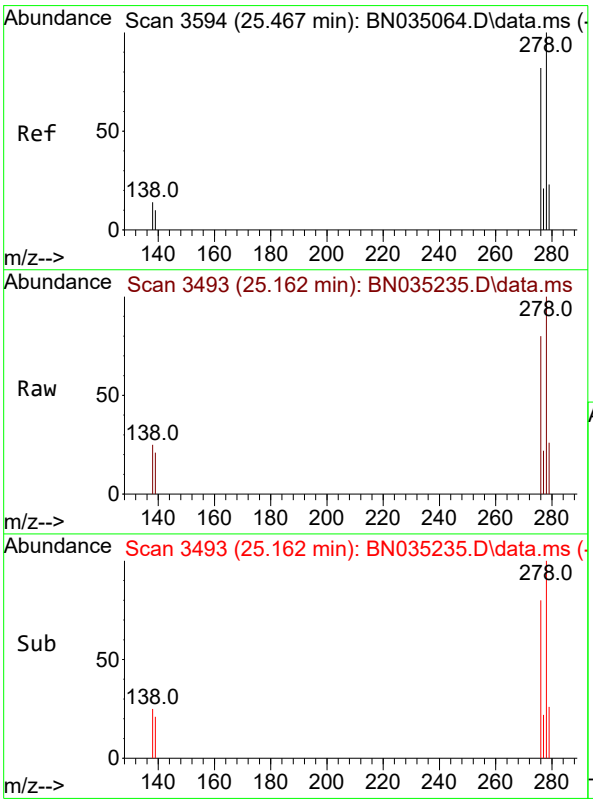
#39
Benzo(a)pyrene
Concen: 0.396 ng
RT: 23.002 min Scan# 2
Delta R.T. -0.012 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 10296

Ion	Ratio	Lower	Upper
252	100		
253	26.4	20.1	30.1
125	16.3	7.5	11.3#

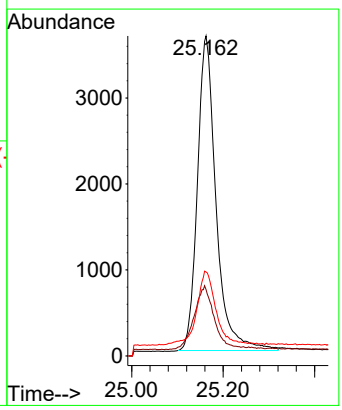


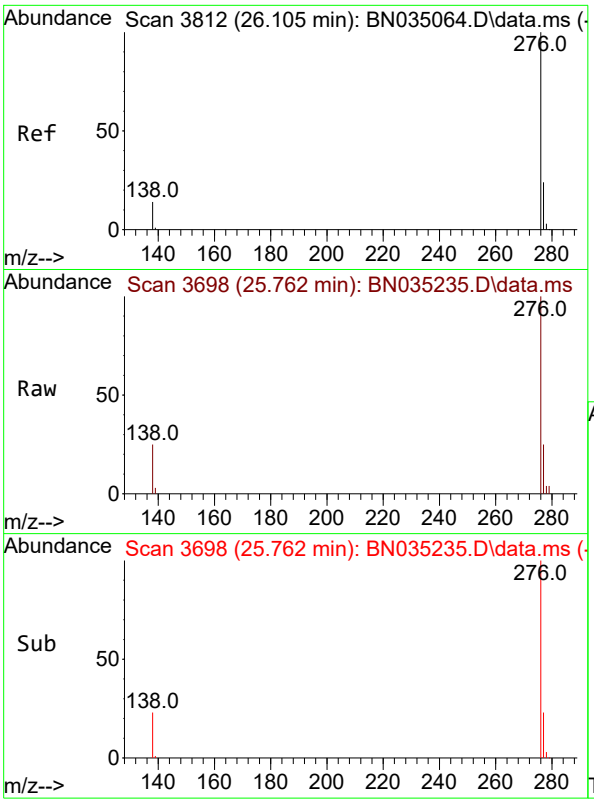


#40
Dibenzo(a,h)anthracene
Concen: 0.373 ng
RT: 25.162 min Scan# 3493
Delta R.T. -0.015 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Tgt Ion:278 Resp: 10355

Ion	Ratio	Lower	Upper
278	100		
139	20.7	9.3	13.9#
279	26.2	19.7	29.5



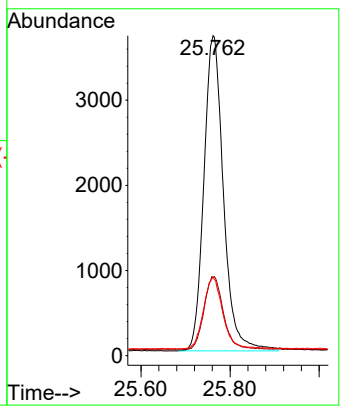


#41
Benzo(g,h,i)perylene
Concen: 0.382 ng
RT: 25.762 min Scan# 3
Delta R.T. -0.015 min
Lab File: BN035235.D
Acq: 21 Nov 2024 23:01

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 11294

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.9	29.9
138	24.5	11.6	17.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035277.D
Acq On : 25 Nov 2024 10:16
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Nov 25 18:31:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.315	152	2616	0.400	ng		0.00
7) Naphthalene-d8	10.063	136	6701	0.400	ng		0.00
13) Acenaphthene-d10	13.976	164	3999	0.400	ng		0.00
19) Phenanthrene-d10	16.734	188	9103	0.400	ng		0.00
29) Chrysene-d12	21.008	240	834	0.400	ng		0.00
35) Perylene-d12	23.081	264	5298	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.968	112	561	0.114	ng		0.00
5) Phenol-d6	6.520	99	781	0.113	ng		0.00
8) Nitrobenzene-d5	8.450	82	713	0.131	ng		0.00
11) 2-Methylnaphthalene-d10	11.670	152	939	0.100	ng		0.00
14) 2,4,6-Tribromophenol	15.484	330	174	0.085	ng		0.00
15) 2-Fluorobiphenyl	12.608	172	595	0.269	ng		0.00
27) Fluoranthene-d10	18.792	212	2168	0.089	ng		0.00
31) Terphenyl-d14	19.419	244	1310	0.085	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.010	88	245	0.130	ng	#	78
3) n-Nitrosodimethylamine	3.307	42	166	0.085	ng	#	74
6) bis(2-Chloroethyl)ether	6.766	93	595	0.102	ng		97
9) Naphthalene	10.116	128	1817	0.098	ng	#	92
10) Hexachlorobutadiene	10.415	225	471	0.090	ng	#	98
12) 2-Methylnaphthalene	11.746	142	1156	0.095	ng		98
16) Acenaphthylene	13.688	152	1859	0.092	ng		99
17) Acenaphthene	14.030	154	1144	0.090	ng		92
18) Fluorene	15.035	166	1538	0.087	ng		99
20) 4,6-Dinitro-2-methylph...	15.141	198	47	0.226	ng	#	21
21) 4-Bromophenyl-phenylether	15.952	248	565	0.098	ng	#	70
22) Hexachlorobenzene	16.051	284	743	0.090	ng		98
23) Atrazine	16.237	200	206	0.085	ng	#	82
24) Pentachlorophenol	16.399	266	157	0.079	ng	#	85
25) Phenanthrene	16.783	178	2552	0.091	ng		99
26) Anthracene	16.870	178	2057	0.086	ng		99
28) Fluoranthene	18.825	202	2840	0.080	ng		99
30) Pyrene	19.192	202	2830	0.093	ng		100
32) Benzo(a)anthracene	21.017	228	2709	0.093	ng		98
33) Chrysene	21.017	228	2709	0.093	ng		98
34) Bis(2-ethylhexyl)phtha...	21.017	149	540	Below Cal		#	66
36) Indeno(1,2,3-cd)pyrene	25.121	276	1824	0.084	ng		98
37) Benzo(b)fluoranthene	22.464	252	1993	0.087	ng	#	78
38) Benzo(k)fluoranthene	22.505	252	2076	0.085	ng	#	78
39) Benzo(a)pyrene	22.987	252	1578	0.090	ng	#	73
40) Dibenzo(a,h)anthracene	25.142	278	1273	0.078	ng	#	76
41) Benzo(g,h,i)perylene	25.738	276	1716	0.091	ng	#	88

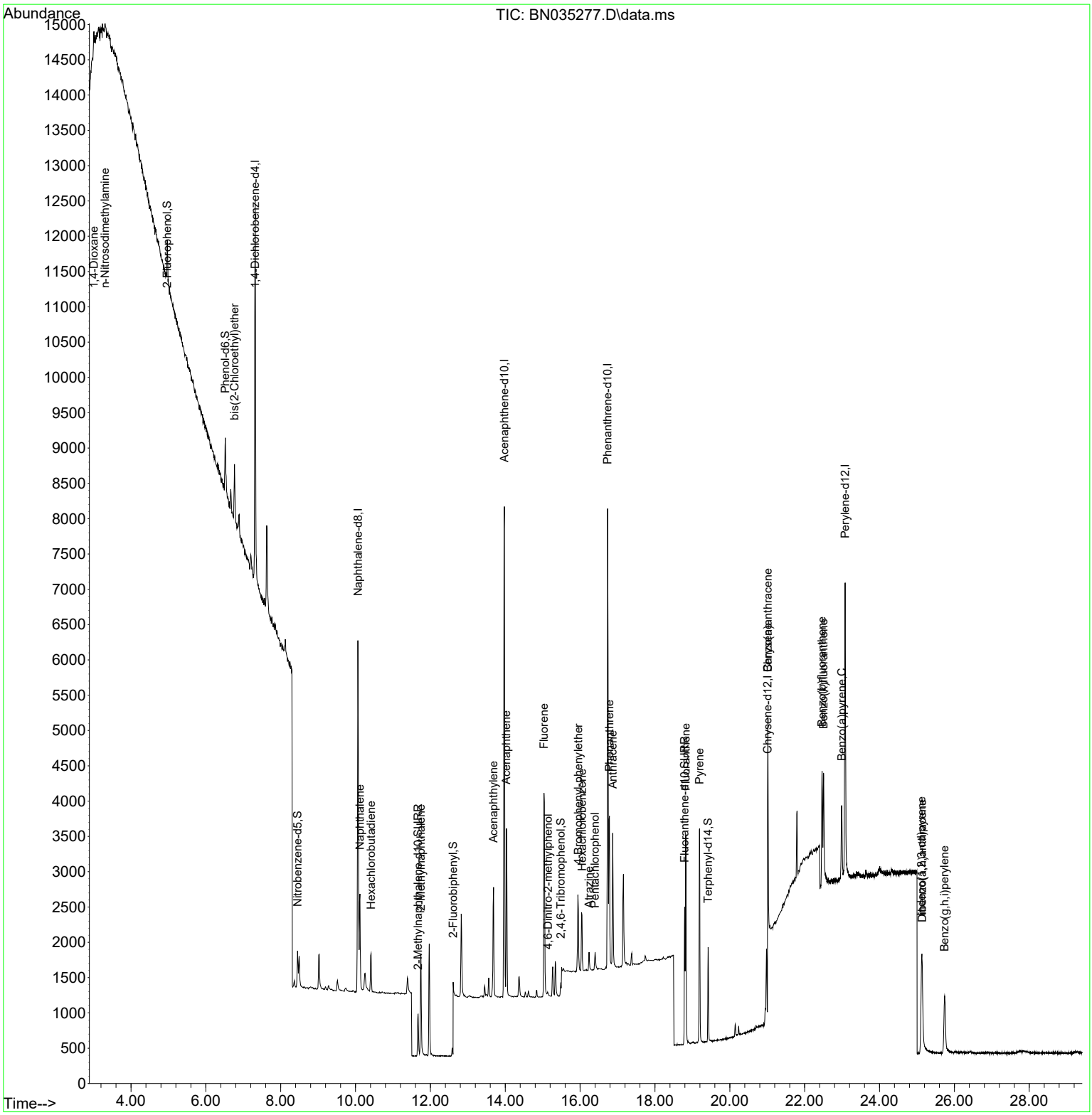
(#) = qualifier out of range (m) = manual integration (+) = signals summed

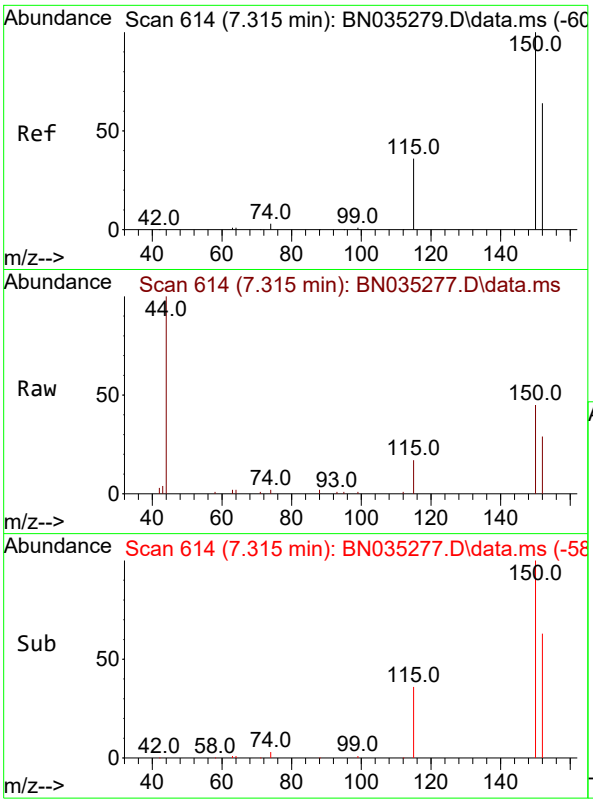
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035277.D
Acq On : 25 Nov 2024 10:16
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Nov 25 18:31:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration



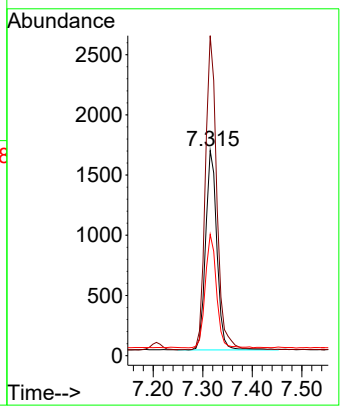


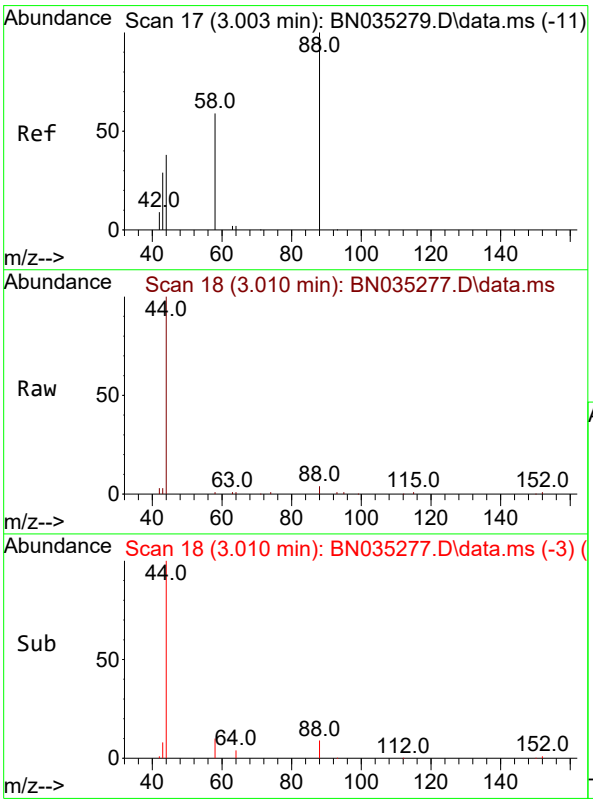
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 2616

Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.5	186.7
115	59.1	47.8	71.8

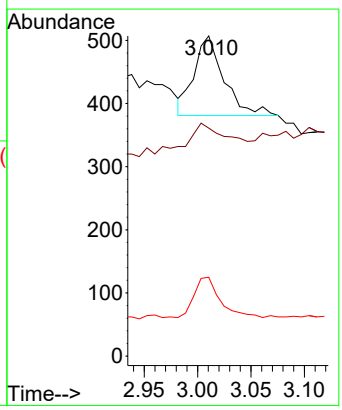


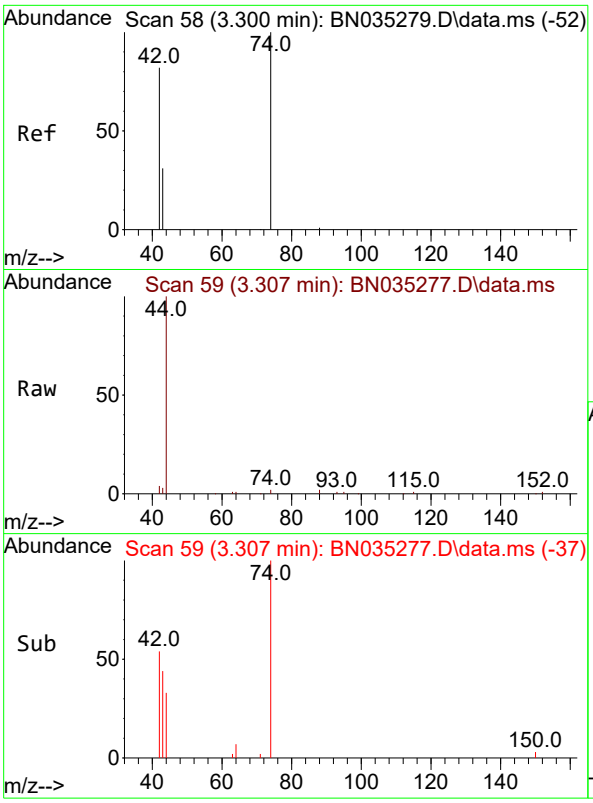


#2
1,4-Dioxane
Concen: 0.130 ng
RT: 3.010 min Scan# 18
Delta R.T. 0.007 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion: 88 Resp: 245

Ion	Ratio	Lower	Upper
88	100		
43	78.8	48.1	72.1#
58	44.9	46.9	70.3#



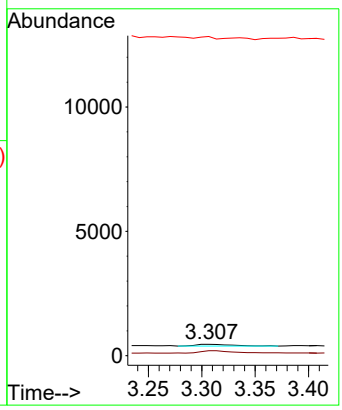


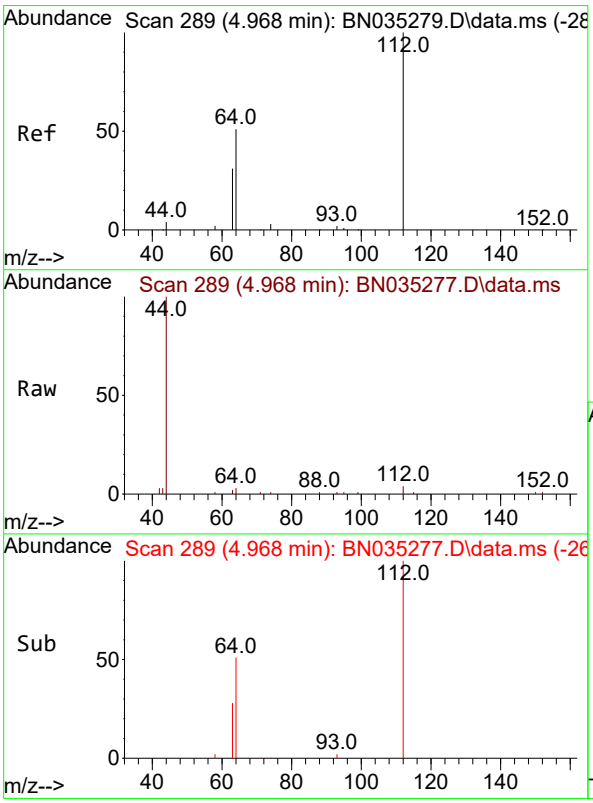
#3
n-Nitrosodimethylamine
Concen: 0.085 ng
RT: 3.307 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 42 Resp: 166

Ion	Ratio	Lower	Upper
42	100		
74	142.8	102.7	154.1
44	0.0	34.1	51.1#

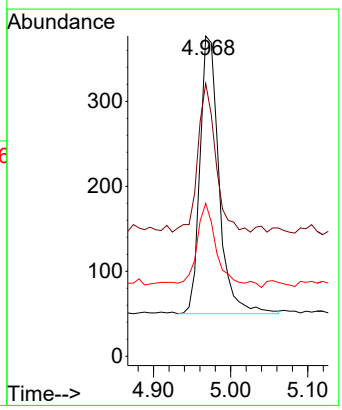


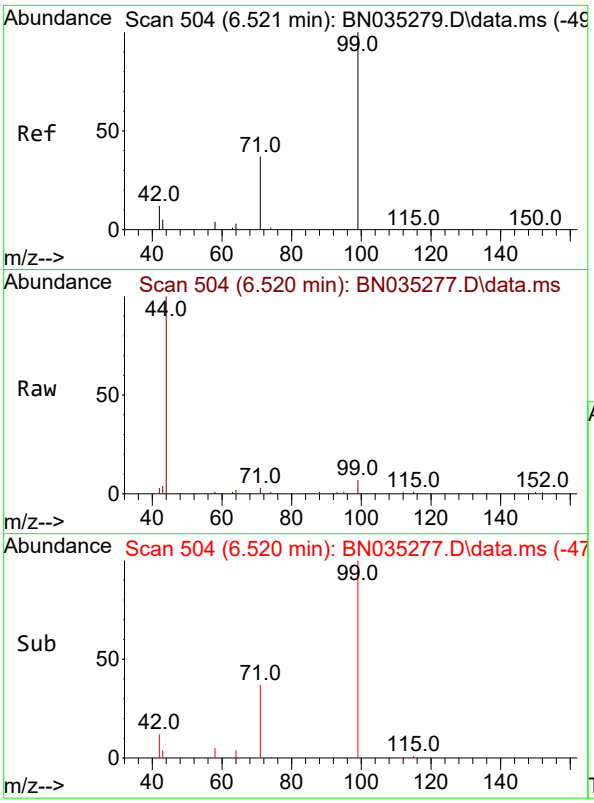


#4
2-Fluorophenol
Concen: 0.114 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:112 Resp: 561

Ion	Ratio	Lower	Upper
112	100		
64	49.9	40.4	60.6
63	32.1	23.8	35.8



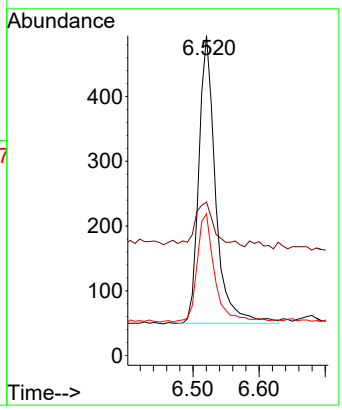


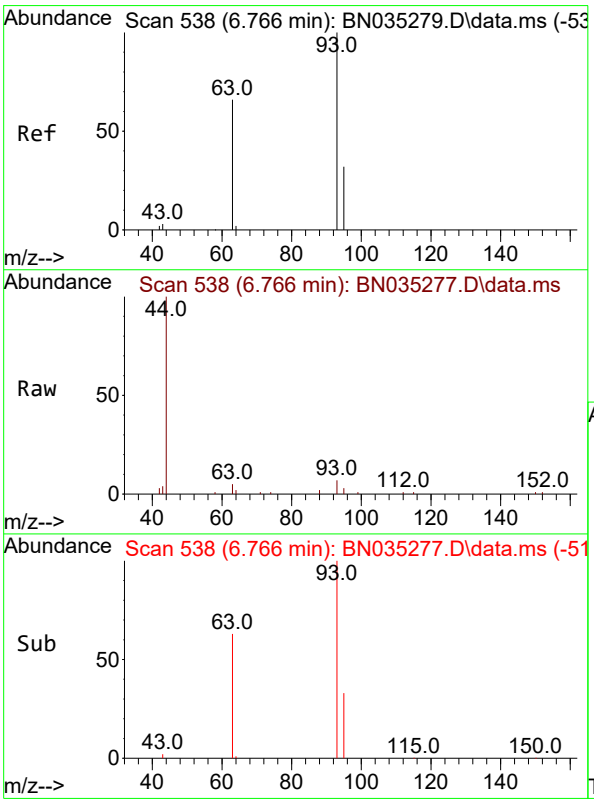
#5
Phenol-d6
Concen: 0.113 ng
RT: 6.520 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 99 Resp: 781

Ion	Ratio	Lower	Upper
99	100		
42	18.4	12.8	19.2
71	39.8	31.4	47.2

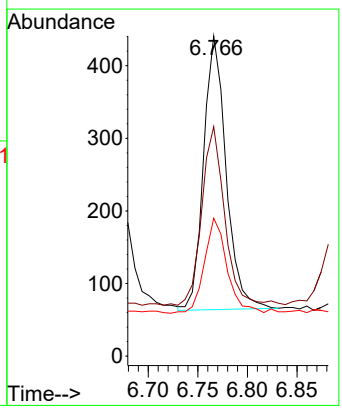


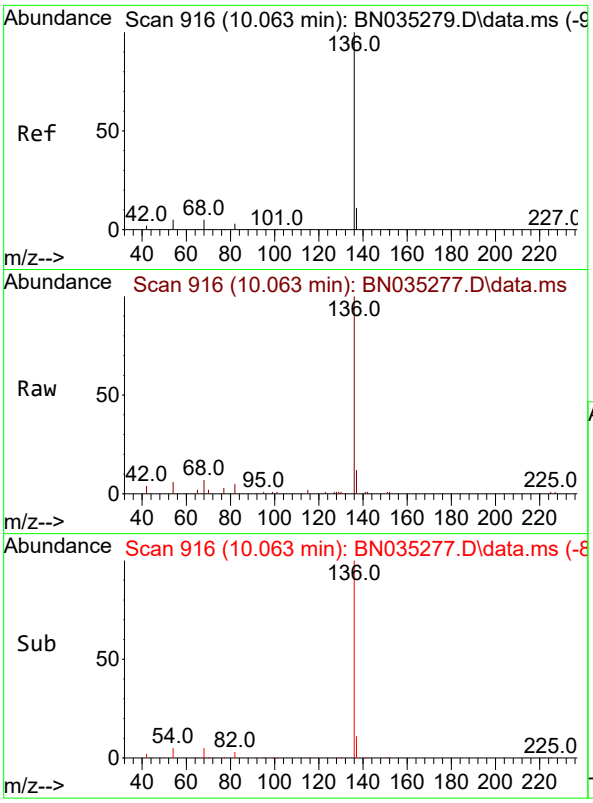


#6
bis(2-Chloroethyl)ether
Concen: 0.102 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion: 93 Resp: 595

Ion	Ratio	Lower	Upper
93	100		
63	66.6	52.3	78.5
95	35.0	25.5	38.3



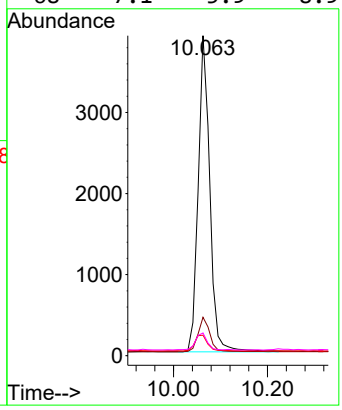


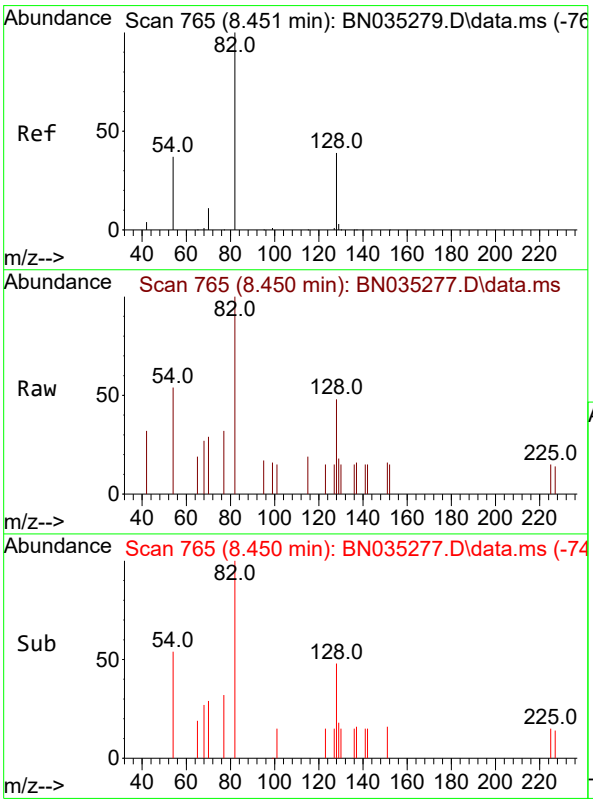
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:136 Resp: 6701

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.7	14.5
54	6.4	5.3	7.9
68	7.1	5.9	8.9

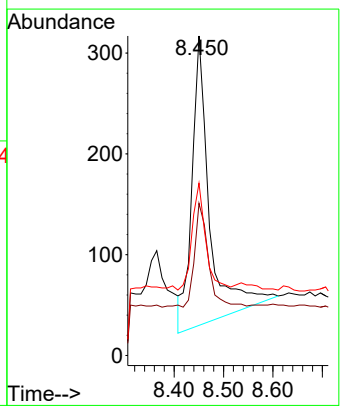


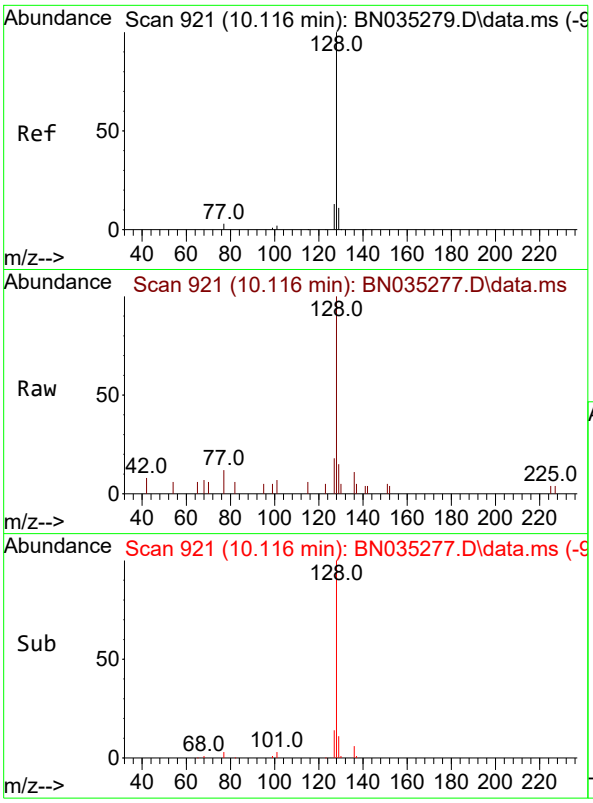


#8
Nitrobenzene-d5
Concen: 0.131 ng
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion: 82 Resp: 713

Ion	Ratio	Lower	Upper
82	100		
128	47.6	33.0	49.4
54	53.9	33.3	49.9#



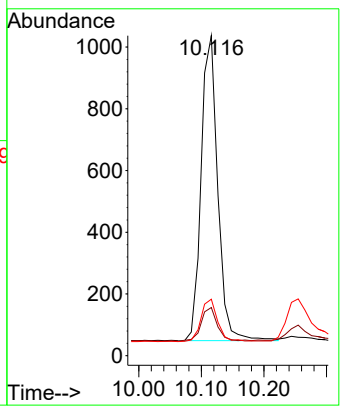


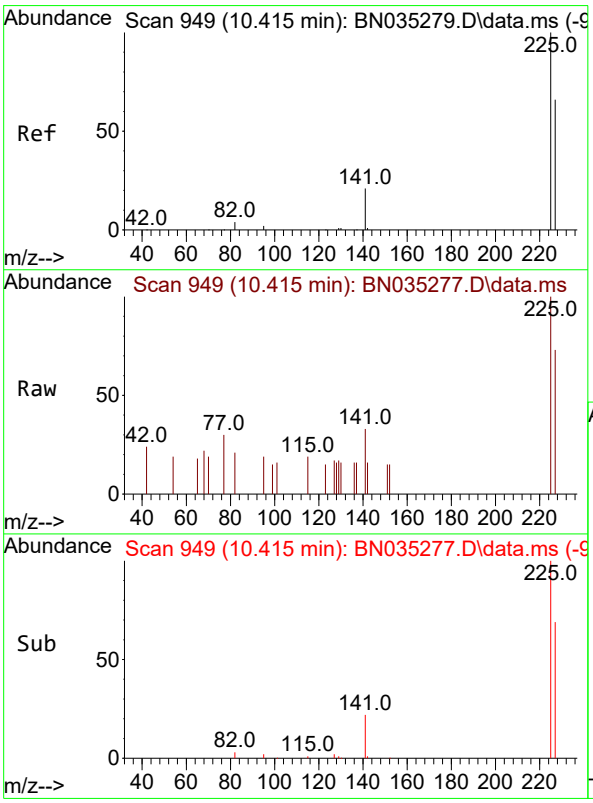
#9
Naphthalene
Concen: 0.098 ng
RT: 10.116 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:128 Resp: 1817

Ion	Ratio	Lower	Upper
128	100		
129	15.0	9.6	14.4#
127	17.6	11.3	16.9#

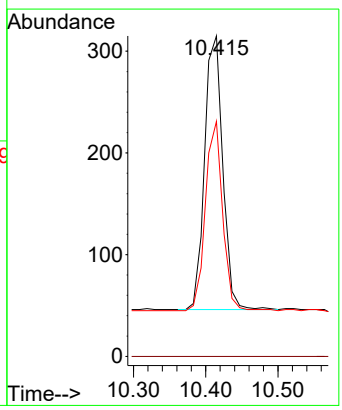


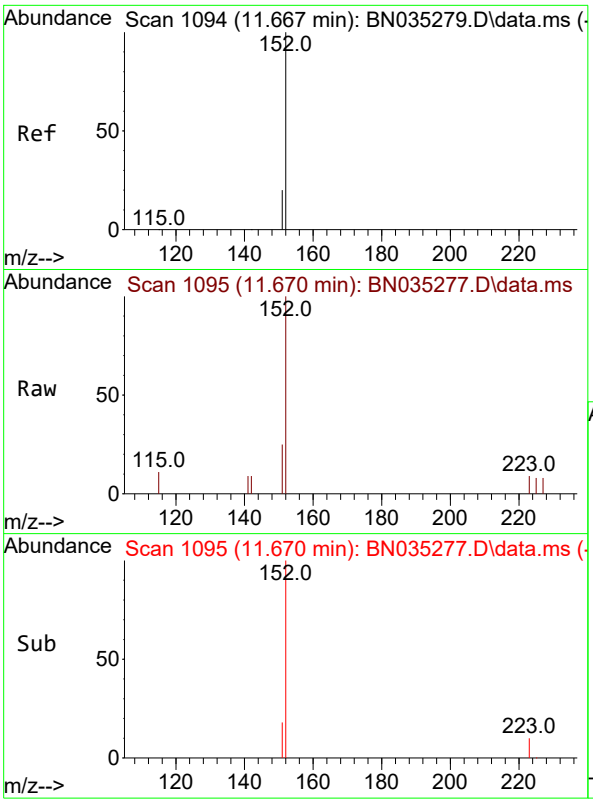


#10
Hexachlorobutadiene
Concen: 0.090 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:225 Resp: 471

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.6	51.3	76.9



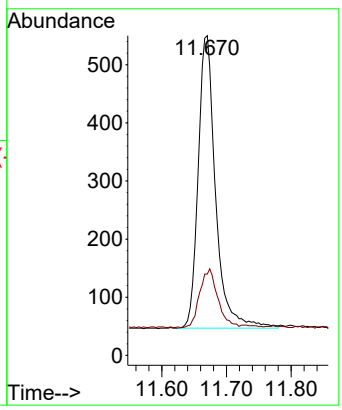


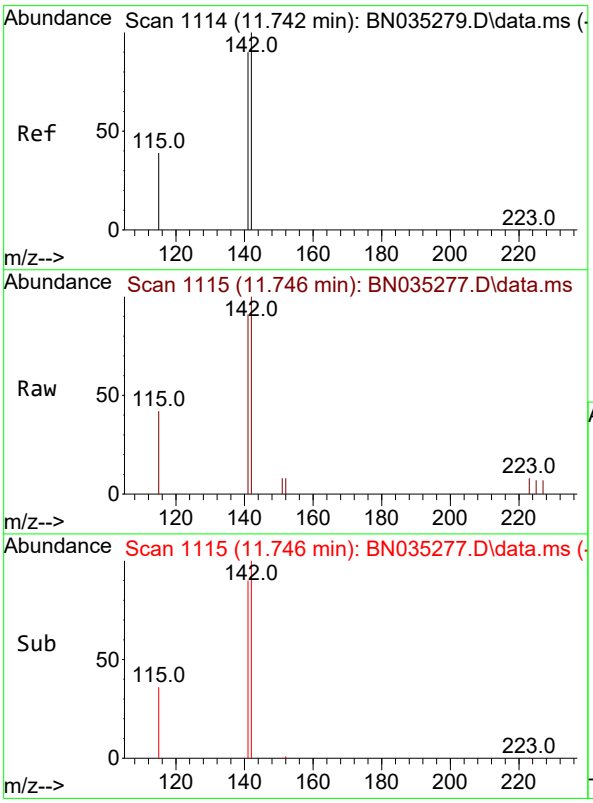
#11
2-Methylnaphthalene-d10
Concen: 0.100 ng
RT: 11.670 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 939

Ion	Ratio	Lower	Upper
152	100		
151	20.7	17.2	25.8

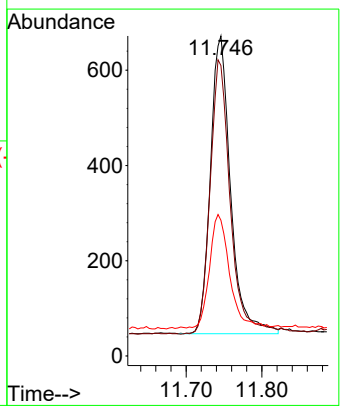


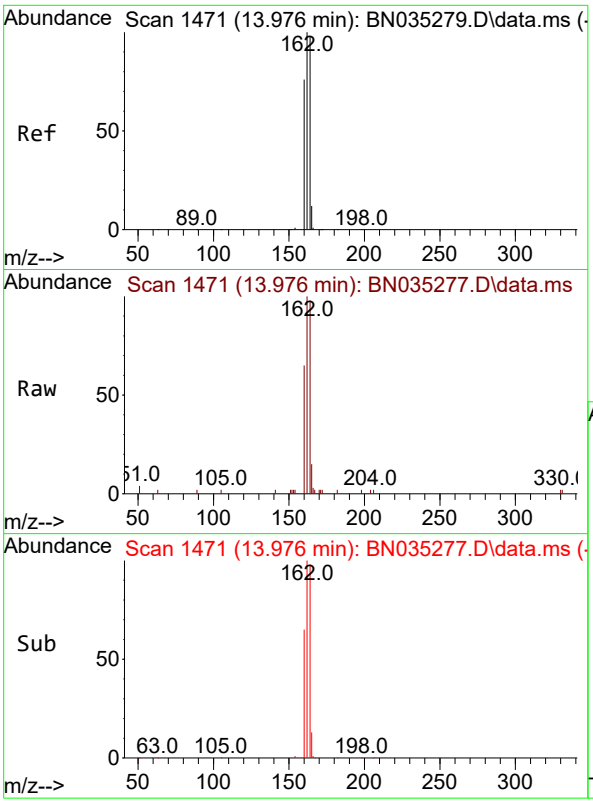


#12
2-Methylnaphthalene
Concen: 0.095 ng
RT: 11.746 min Scan# 1115
Delta R.T. 0.004 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:142 Resp: 1156

Ion	Ratio	Lower	Upper
142	100		
141	90.8	71.8	107.8
115	42.4	32.6	49.0



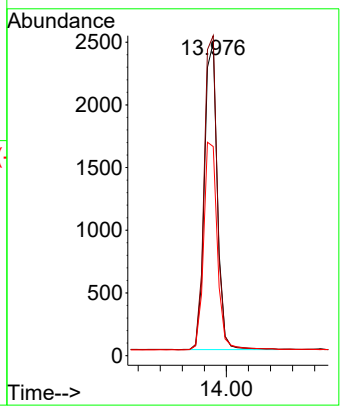


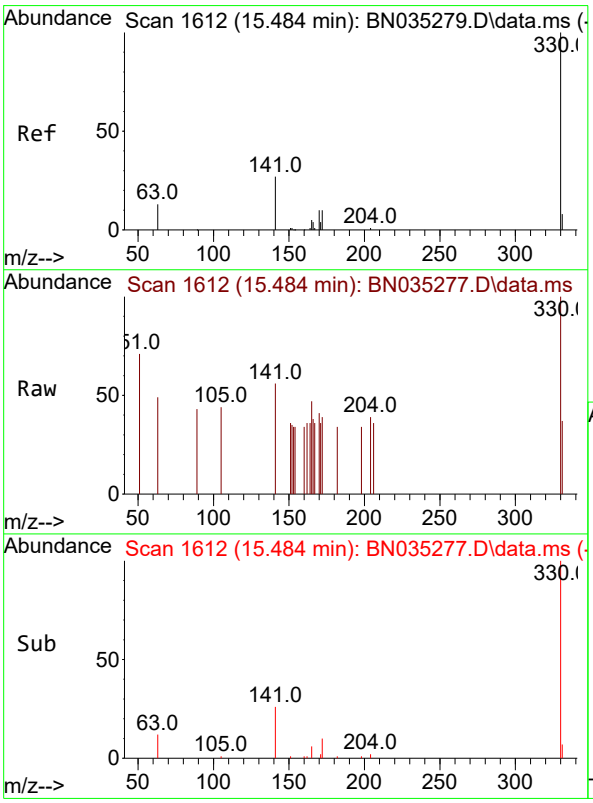
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:164 Resp: 3999

Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.0	123.0
160	66.8	63.0	94.4

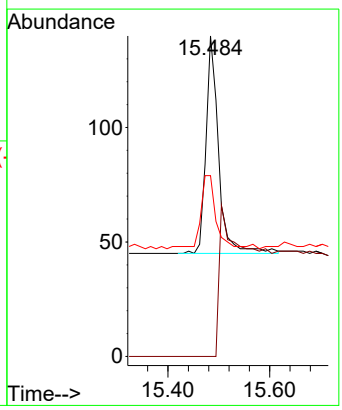


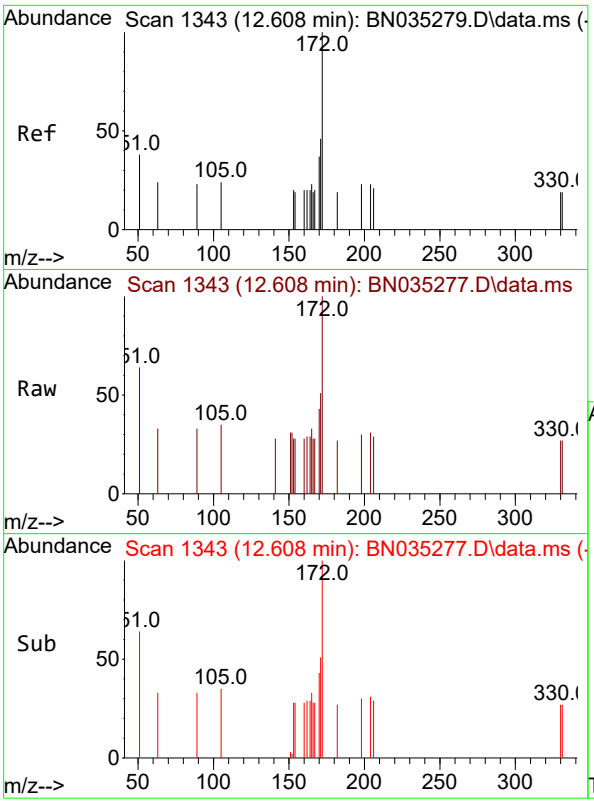


#14
2,4,6-Tribromophenol
Concen: 0.085 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:330 Resp: 174

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.5	32.4	48.6



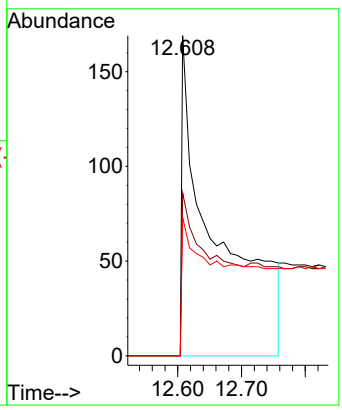


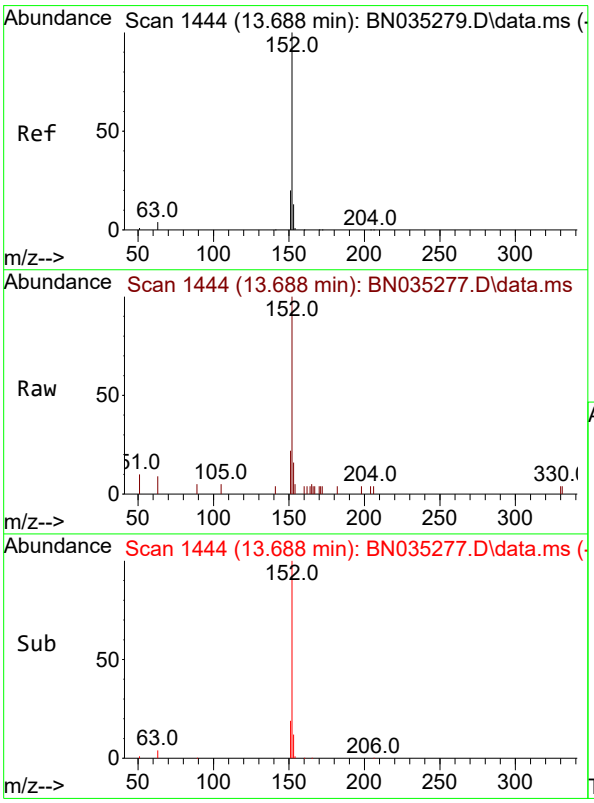
#15
2-Fluorobiphenyl
Concen: 0.269 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:172 Resp: 595

Ion	Ratio	Lower	Upper
172	100		
171	50.9	36.6	55.0
170	43.2	29.7	44.5

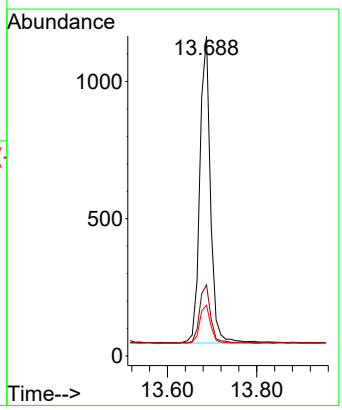


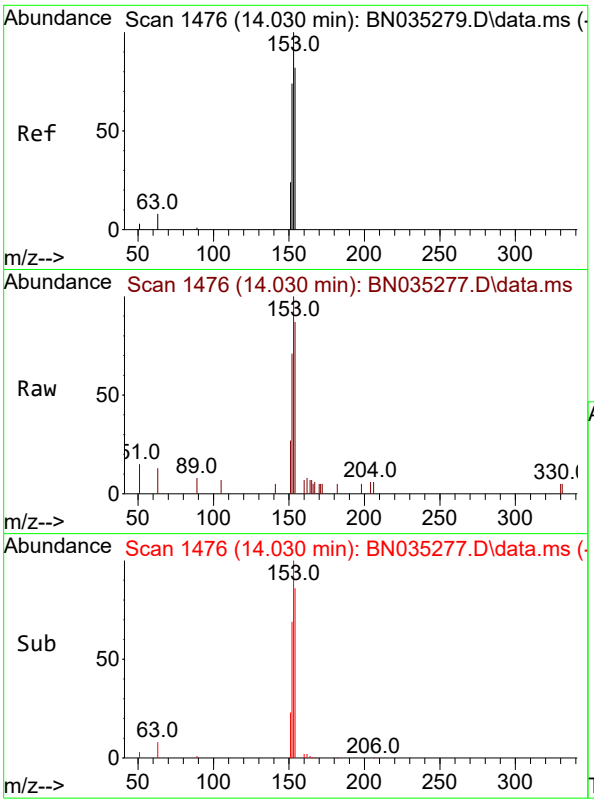


#16
Acenaphthylene
Concen: 0.092 ng
RT: 13.688 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:152 Resp: 1859

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.9	23.9
153	13.4	10.2	15.4



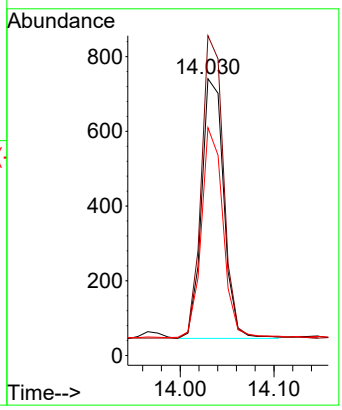


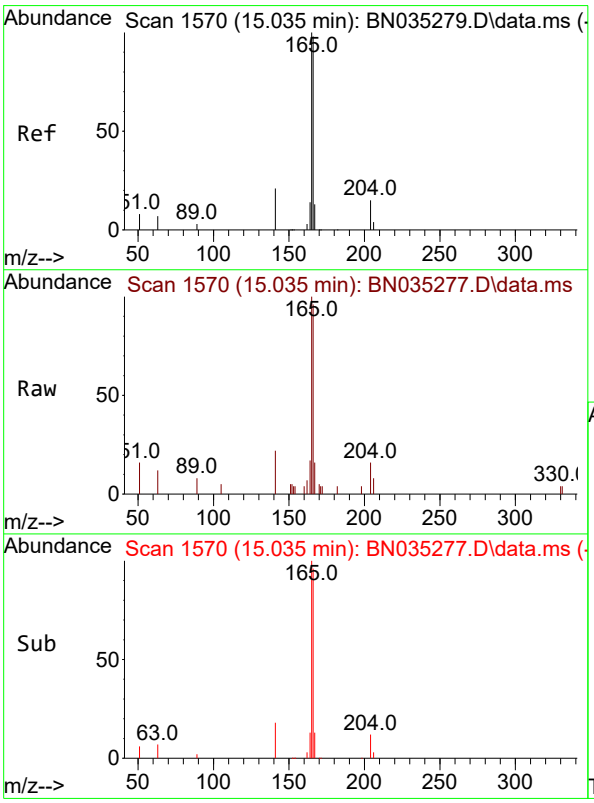
#17
Acenaphthene
Concen: 0.090 ng
RT: 14.030 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:154 Resp: 1144

Ion	Ratio	Lower	Upper
154	100		
153	115.4	96.1	144.1
152	78.8	72.2	108.2

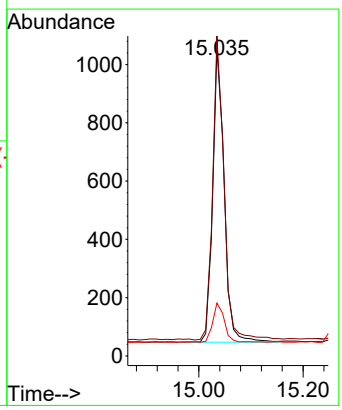


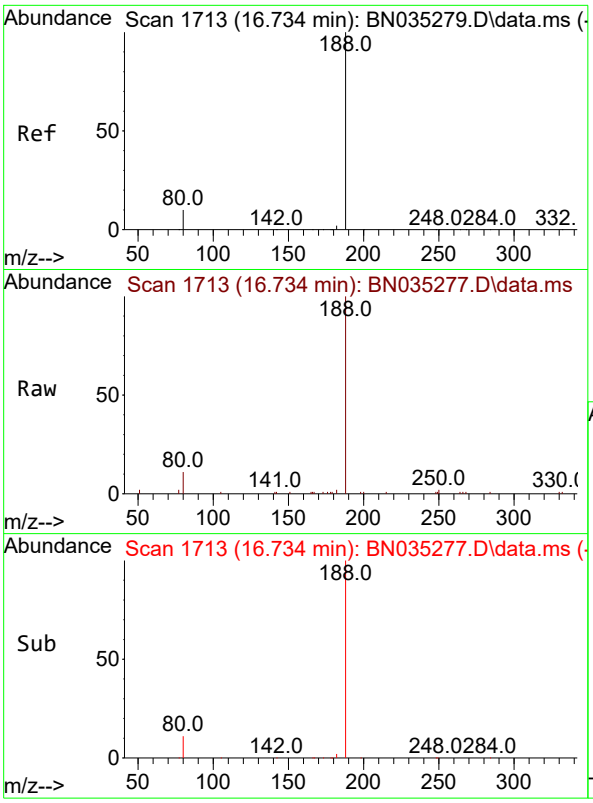


#18
Fluorene
Concen: 0.087 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:166 Resp: 1538

Ion	Ratio	Lower	Upper
166	100		
165	101.9	81.2	121.8
167	13.8	10.5	15.7



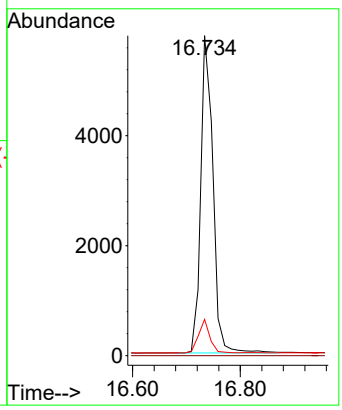


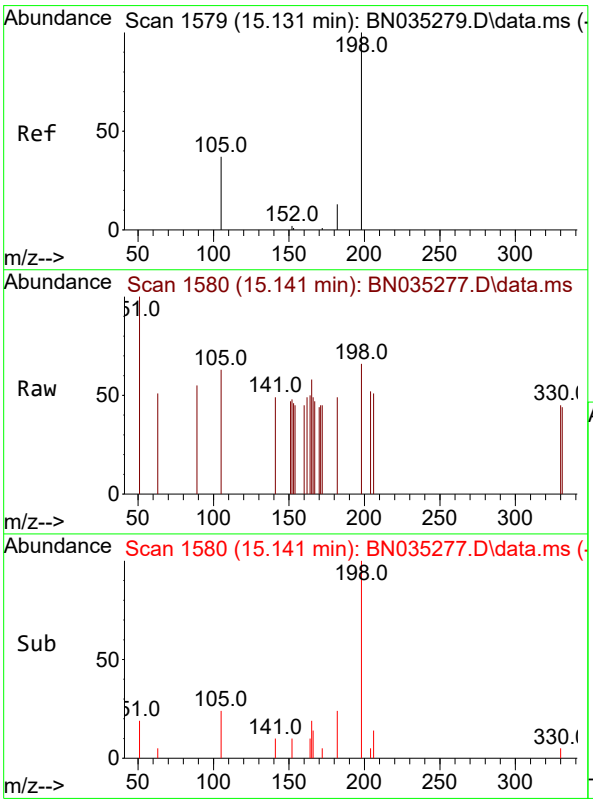
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:188 Resp: 9103

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.4	8.9	13.3

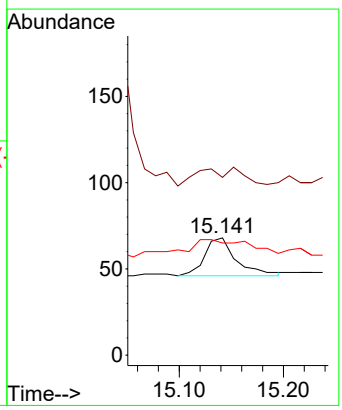


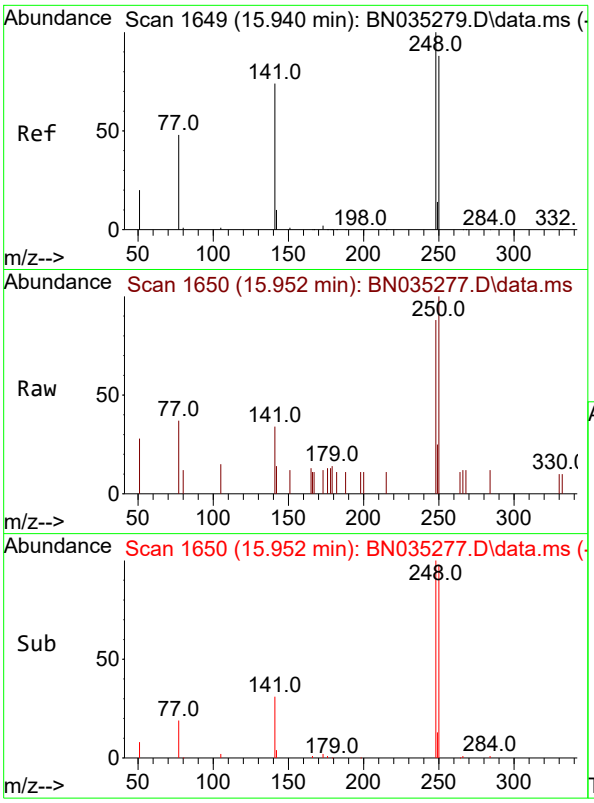


#20
4,6-Dinitro-2-methylphenol
Concen: 0.226 ng
RT: 15.141 min Scan# 1580
Delta R.T. 0.010 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:198 Resp: 47

Ion	Ratio	Lower	Upper
198	100		
51	151.5	53.6	80.4#
105	95.6	47.4	71.2#



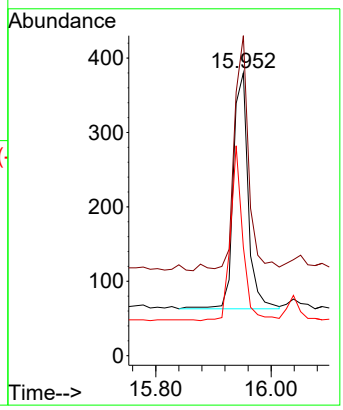


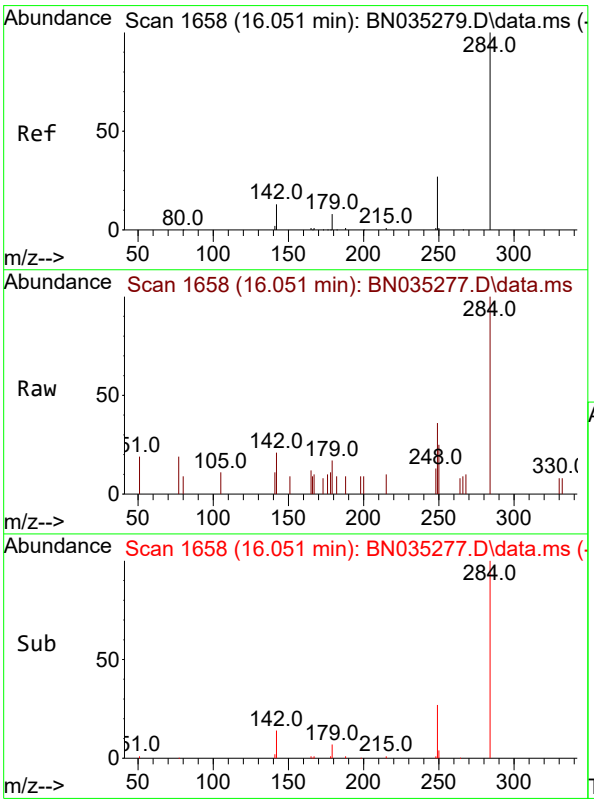
#21
4-Bromophenyl-phenylether
Concen: 0.098 ng
RT: 15.952 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:248 Resp: 565

Ion	Ratio	Lower	Upper
248	100		
250	113.2	74.8	112.2#
141	38.4	59.0	88.4#

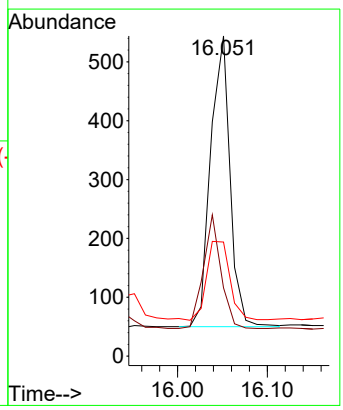


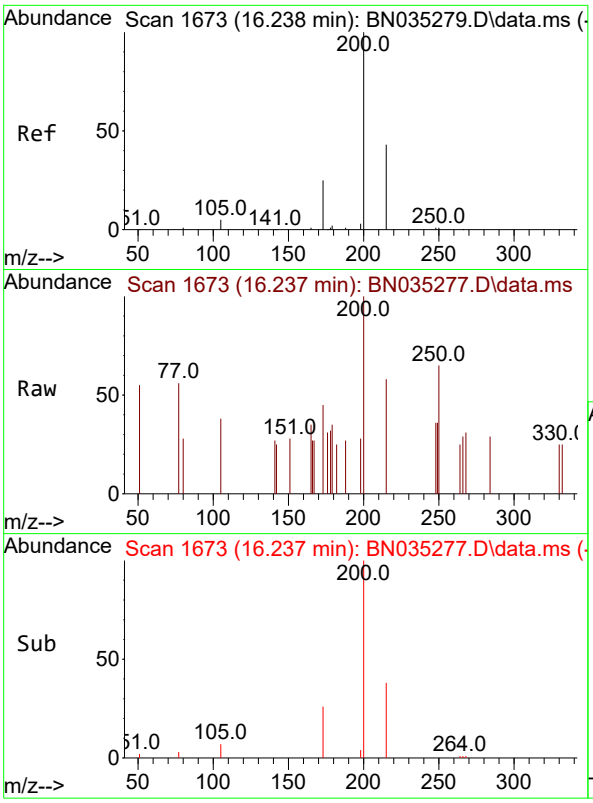


#22
Hexachlorobenzene
Concen: 0.090 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:284 Resp: 743

Ion	Ratio	Lower	Upper
284	100		
142	35.4	28.7	43.1
249	33.1	25.4	38.0



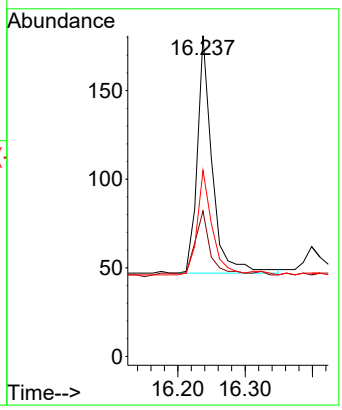


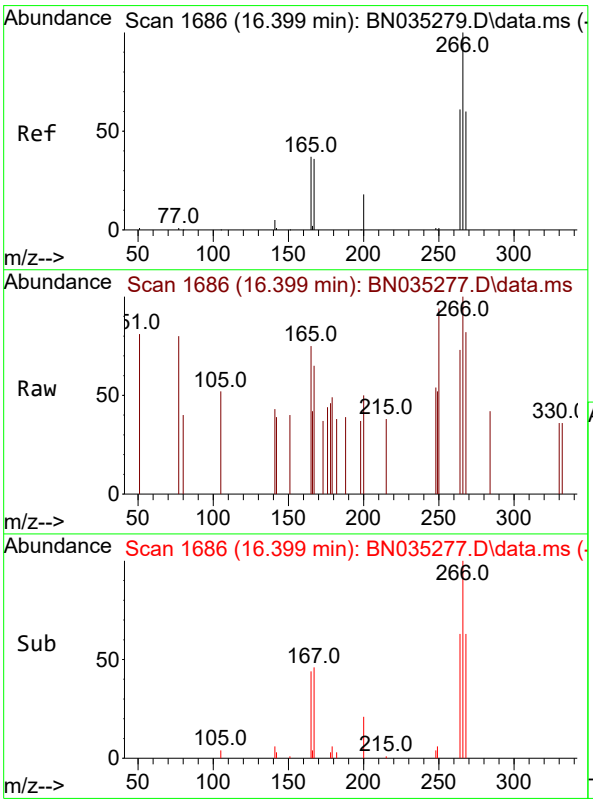
#23
Atrazine
Concen: 0.085 ng
RT: 16.237 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:200 Resp: 206

Ion	Ratio	Lower	Upper
200	100		
173	45.3	25.8	38.8#
215	58.0	38.6	58.0#

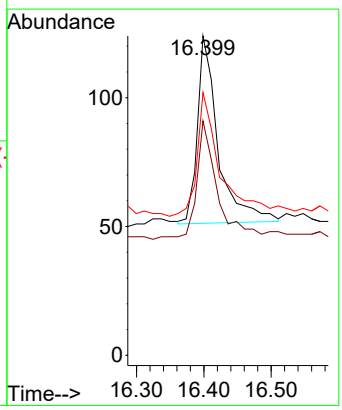


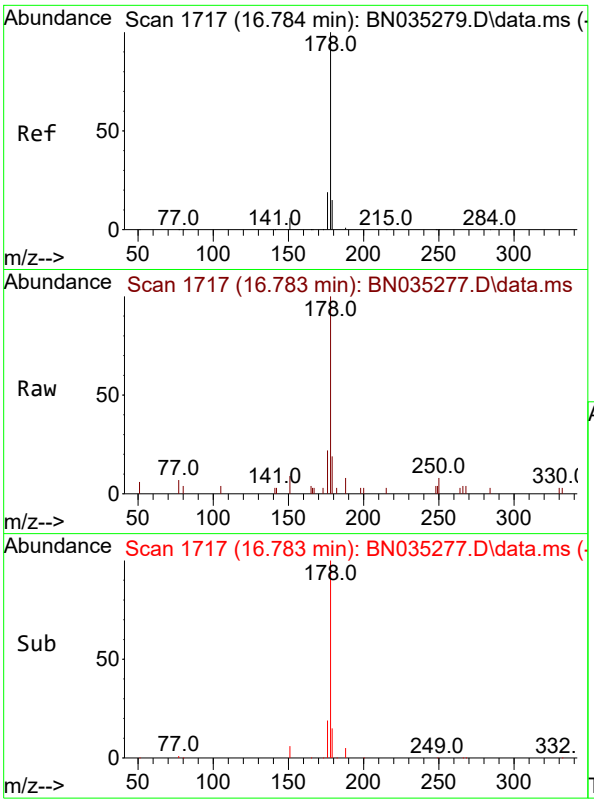


#24
Pentachlorophenol
Concen: 0.079 ng
RT: 16.399 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:266 Resp: 157

Ion	Ratio	Lower	Upper
266	100		
264	68.2	49.3	73.9
268	77.1	48.6	73.0#



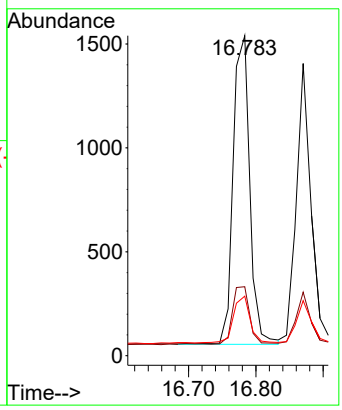


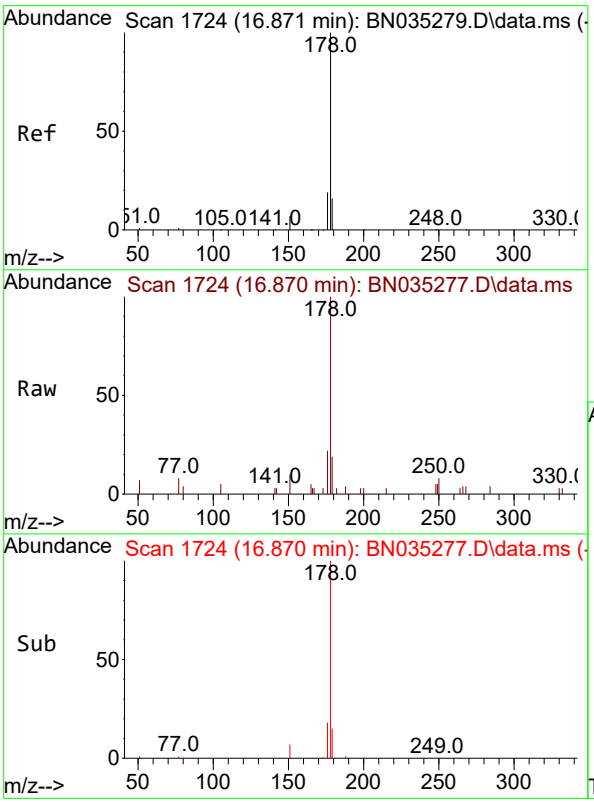
#25
Phenanthrene
Concen: 0.091 ng
RT: 16.783 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 2552

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.2	12.6	18.8

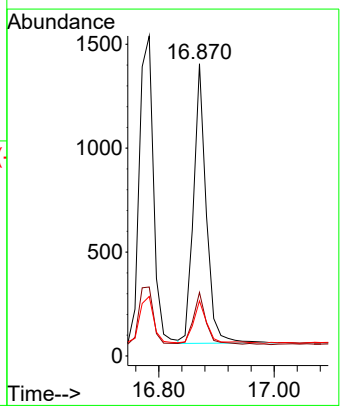


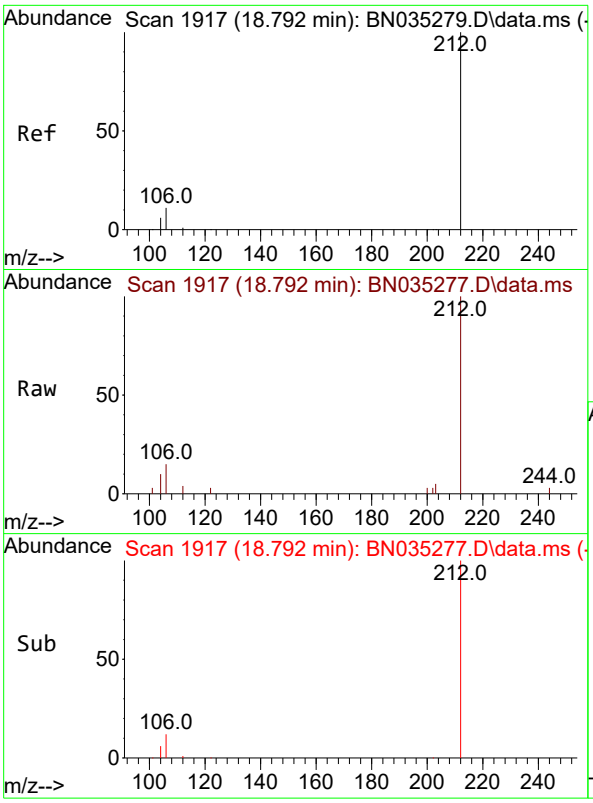


#26
Anthracene
Concen: 0.086 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:178 Resp: 2057

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	15.9	12.4	18.6



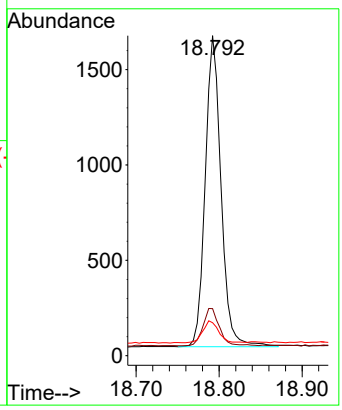


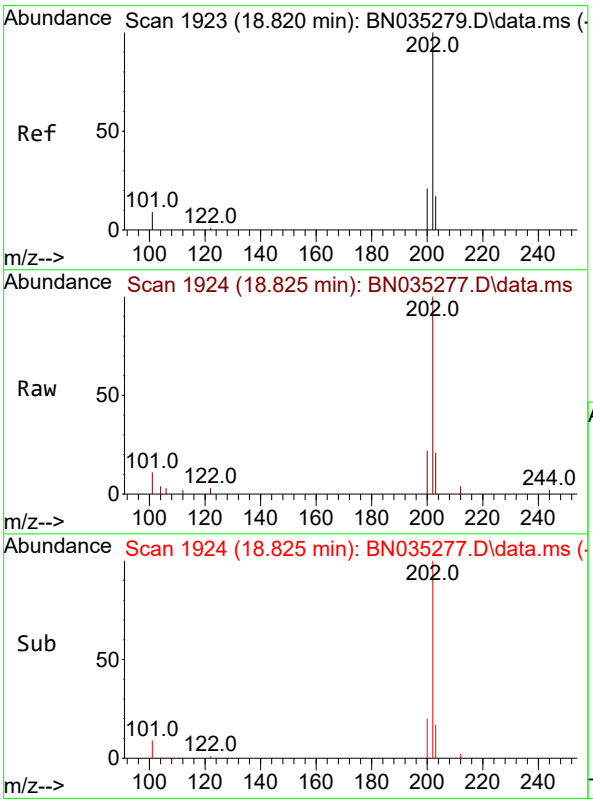
#27
Fluoranthene-d10
Concen: 0.089 ng
RT: 18.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:212 Resp: 2168

Ion	Ratio	Lower	Upper
212	100		
106	12.5	9.8	14.8
104	7.1	5.6	8.4

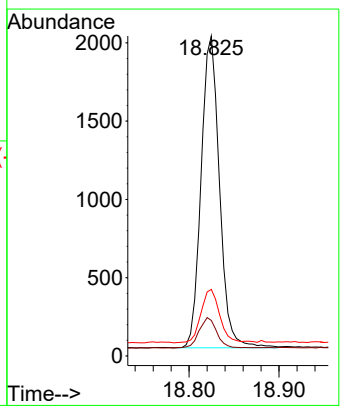


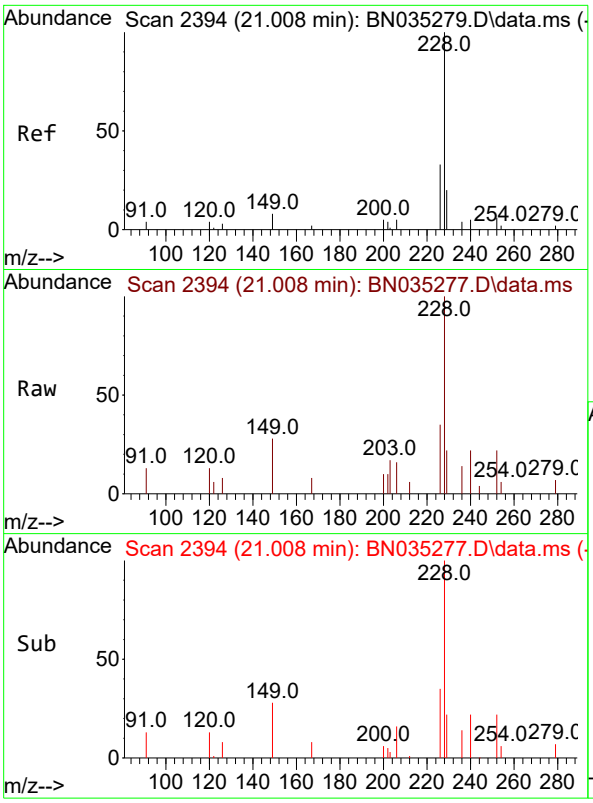


#28
Fluoranthene
Concen: 0.080 ng
RT: 18.825 min Scan# 1924
Delta R.T. 0.005 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:202 Resp: 2840

Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.6	11.4
203	17.6	13.8	20.8



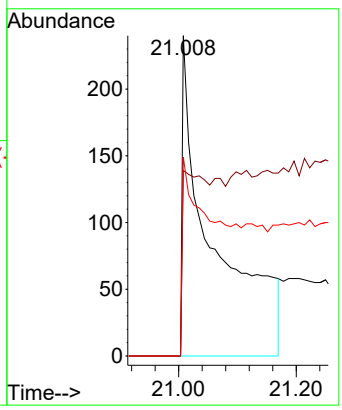


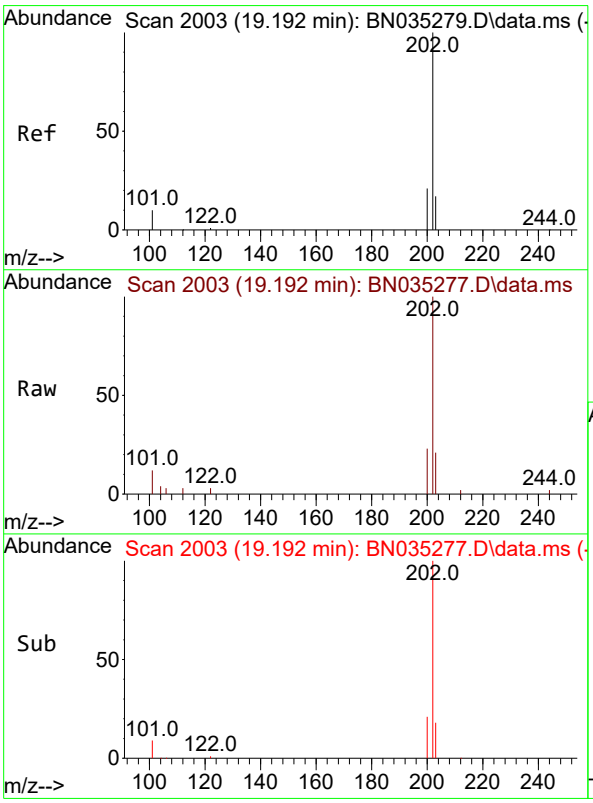
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:240 Resp: 834

Ion	Ratio	Lower	Upper
240	100		
120	57.9	54.9	82.3
236	62.1	54.0	81.0

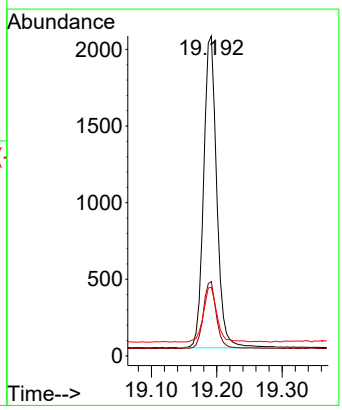


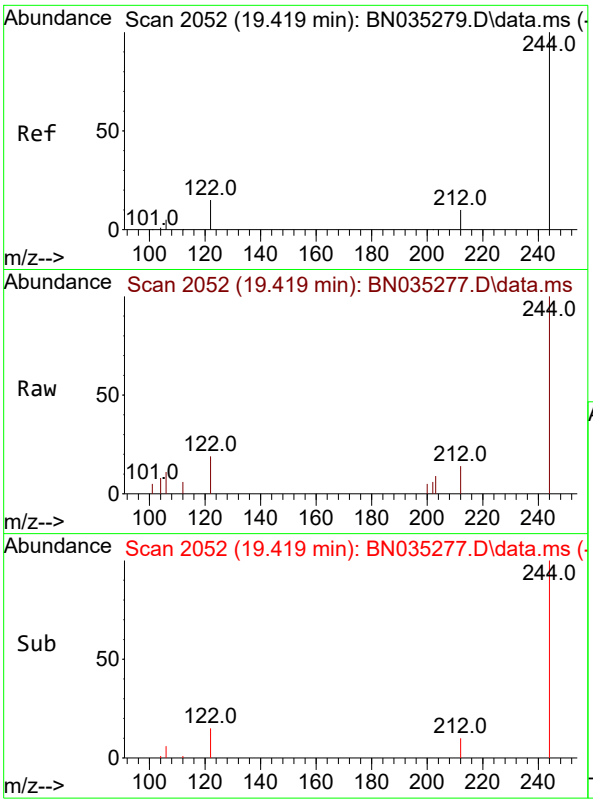


#30
Pyrene
Concen: 0.093 ng
RT: 19.192 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:202 Resp: 2830

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	17.9	14.4	21.6



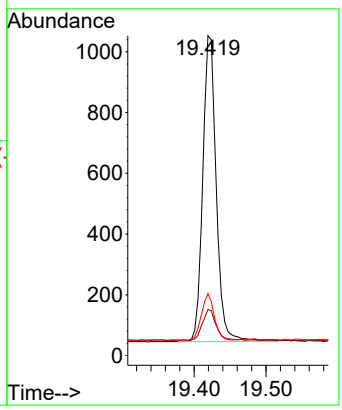


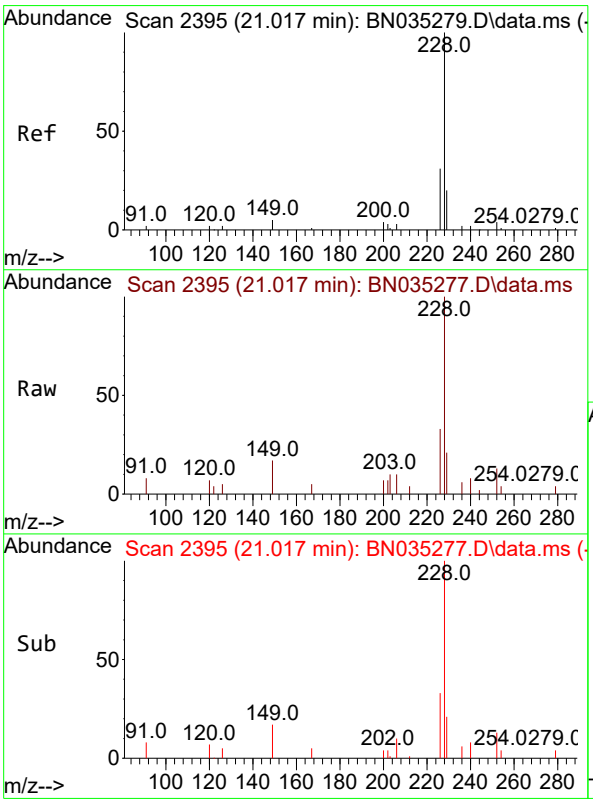
#31
Terphenyl-d14
Concen: 0.085 ng
RT: 19.419 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:244 Resp: 1310

Ion	Ratio	Lower	Upper
244	100		
212	14.4	9.4	14.0#
122	19.4	13.0	19.4

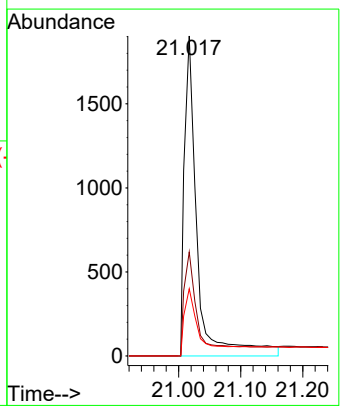


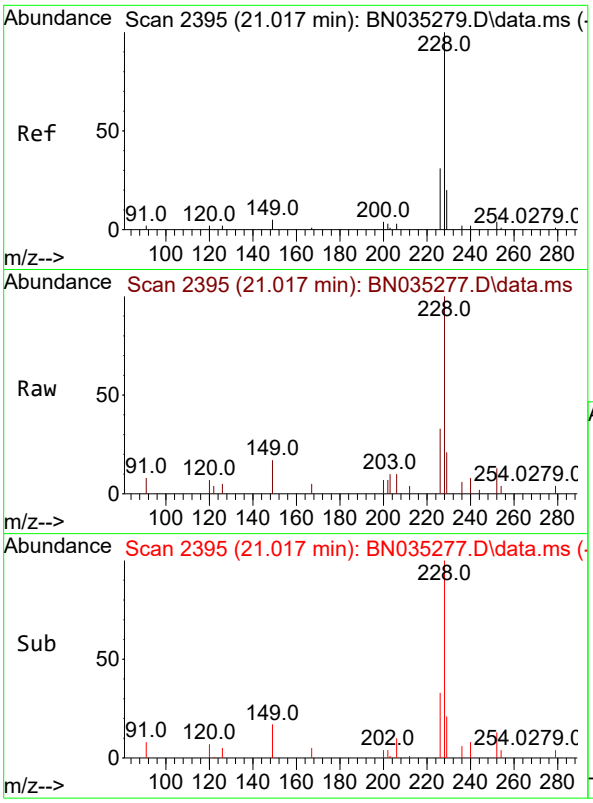


#32
Benzo(a)anthracene
Concen: 0.093 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:228 Resp: 2709

Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.7	37.1
229	21.0	16.2	24.2



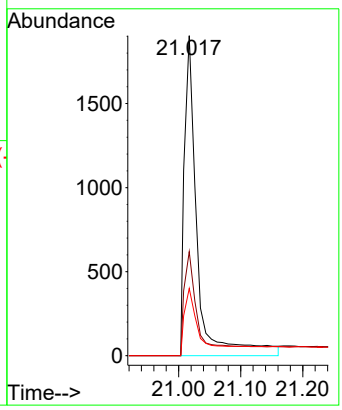


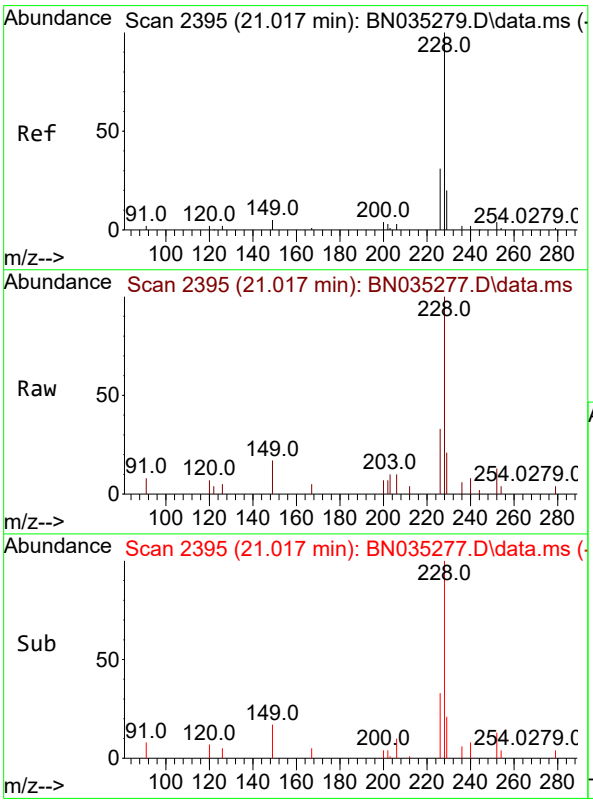
#33
Chrysene
Concen: 0.093 ng
RT: 21.017 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:228 Resp: 2709

Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.7	37.1
229	21.0	16.2	24.2

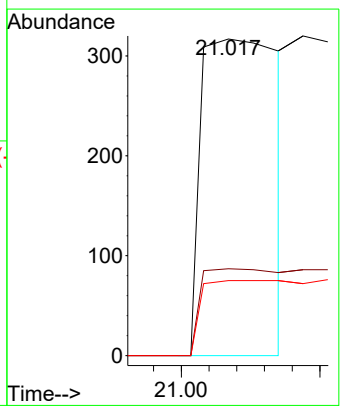


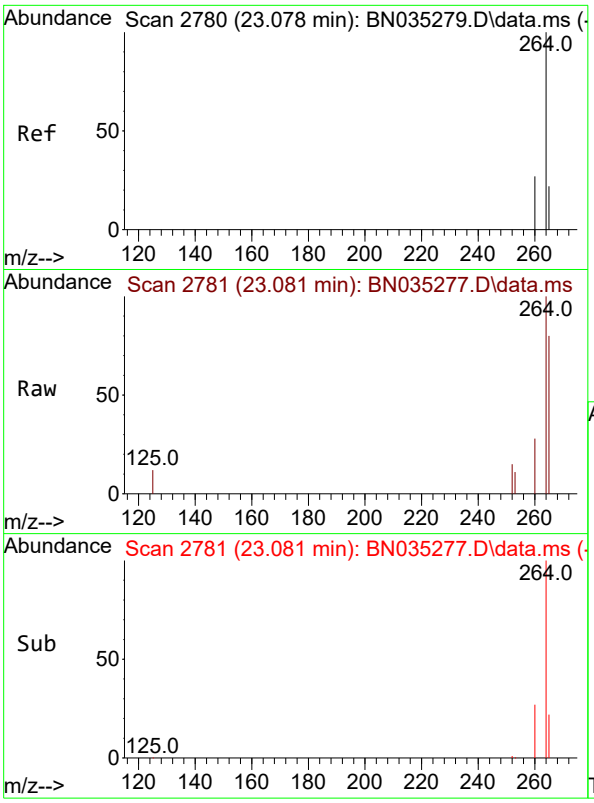


#34
Bis(2-ethylhexyl)phthalate
Concen: Below Cal
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:149 Resp: 540

Ion	Ratio	Lower	Upper
149	100		
167	27.4	0.0	0.0#
279	30.7	13.0	19.6#



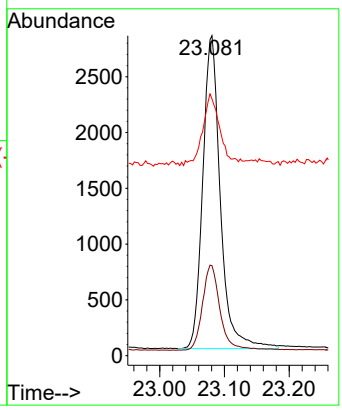


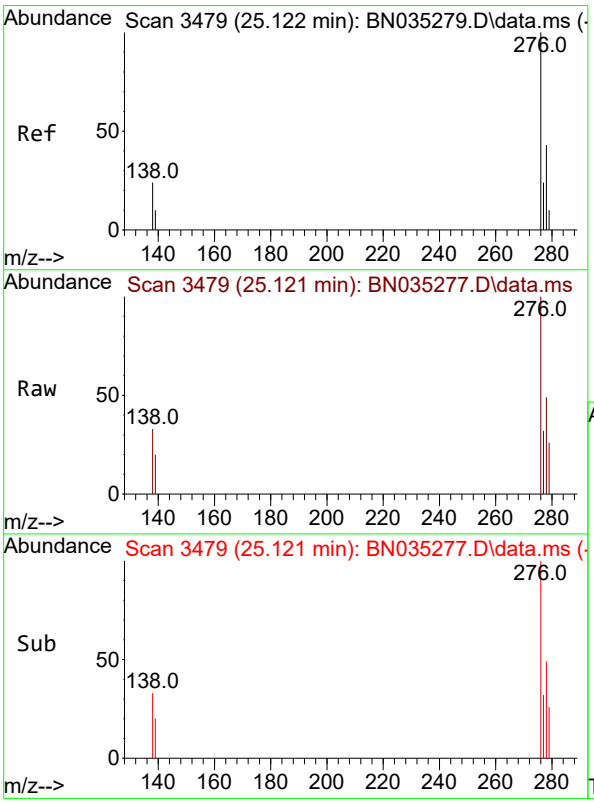
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.081 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:264 Resp: 5298

Ion	Ratio	Lower	Upper
264	100		
260	28.1	22.3	33.5
265	80.3	68.6	103.0

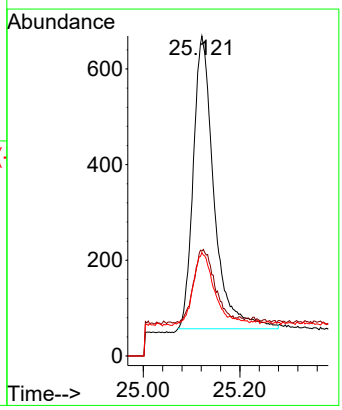


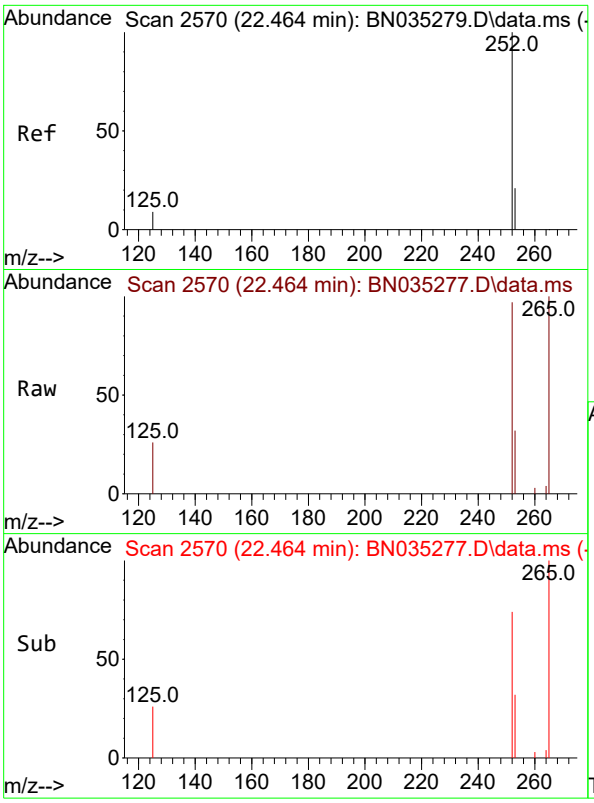


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.084 ng
RT: 25.121 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:276 Resp: 1824

Ion	Ratio	Lower	Upper
276	100		
138	21.8	18.8	28.2
277	22.8	18.2	27.4



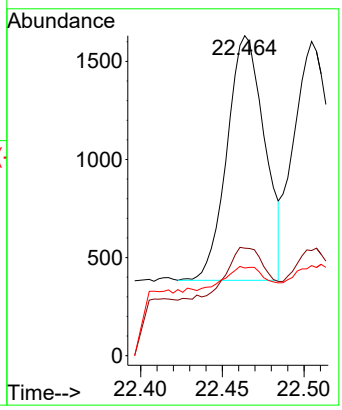


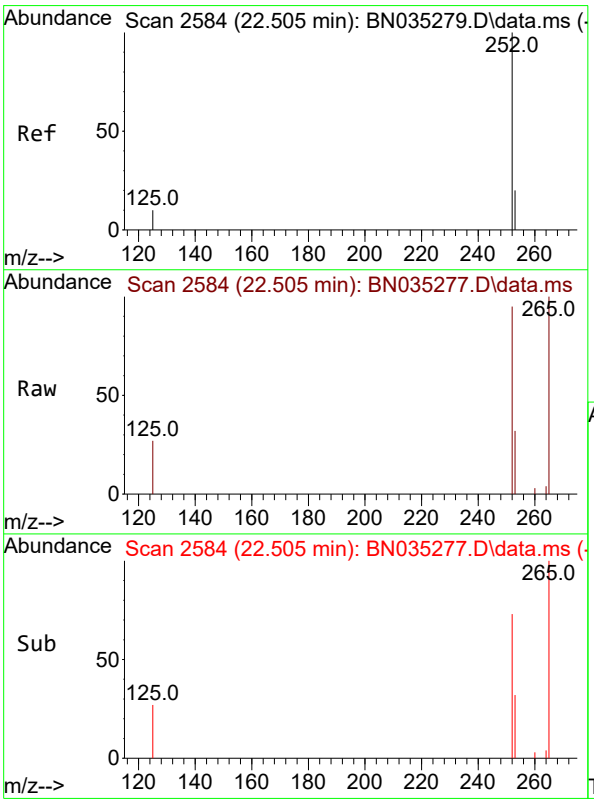
#37
Benzo(b)fluoranthene
Concen: 0.087 ng
RT: 22.464 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 1993

Ion	Ratio	Lower	Upper
252	100		
253	33.6	20.2	30.2#
125	27.4	12.0	18.0#

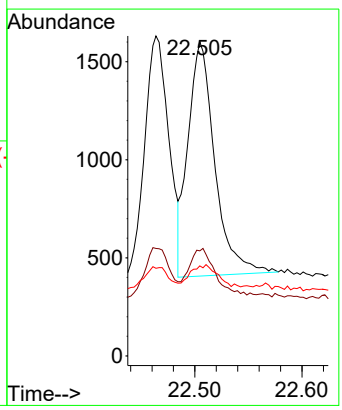


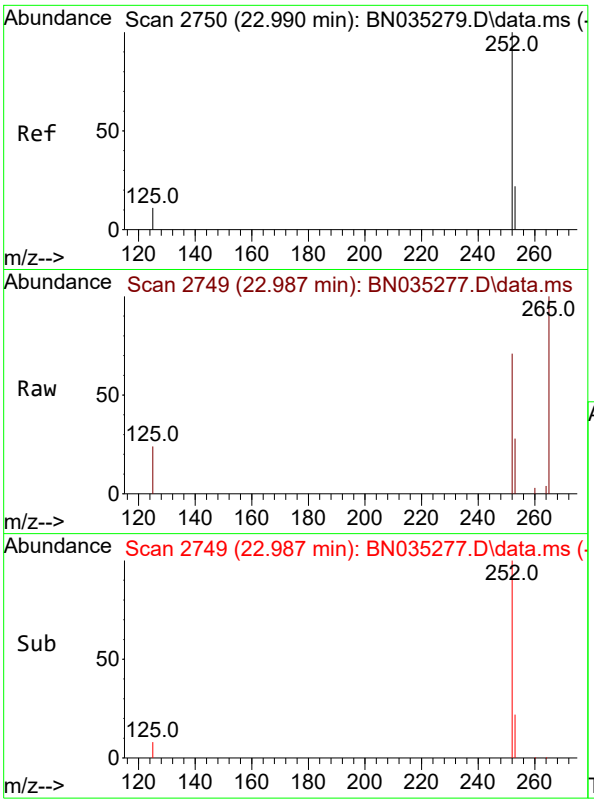


#38
Benzo(k)fluoranthene
Concen: 0.085 ng
RT: 22.505 min Scan# 2584
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:252 Resp: 2076

Ion	Ratio	Lower	Upper
252	100		
253	33.5	20.1	30.1#
125	28.7	12.7	19.1#



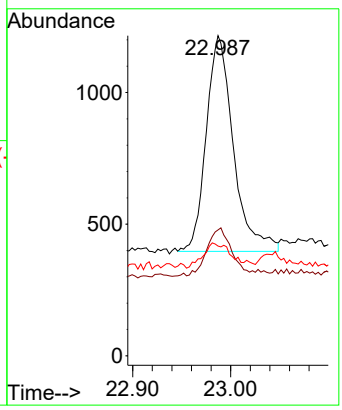


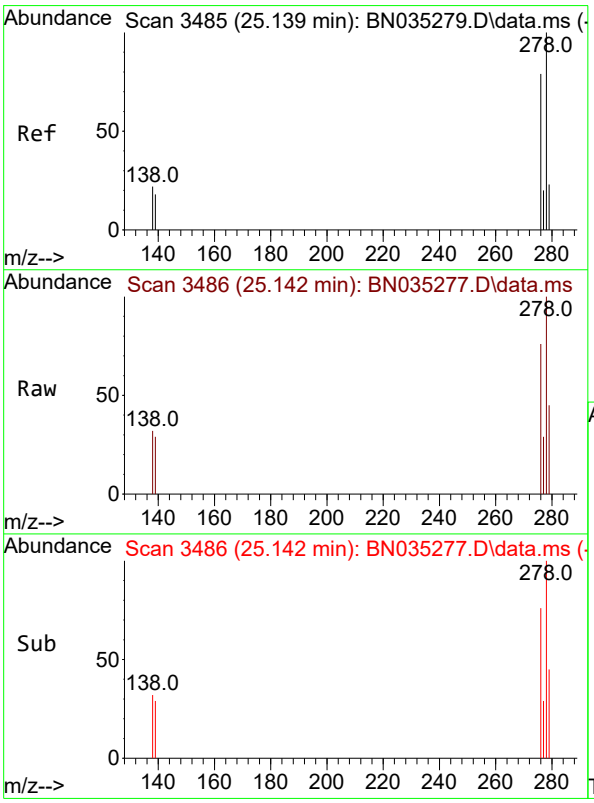
#39
Benzo(a)pyrene
Concen: 0.090 ng
RT: 22.987 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 1578

Ion	Ratio	Lower	Upper
252	100		
253	39.3	22.3	33.5#
125	34.3	15.3	22.9#

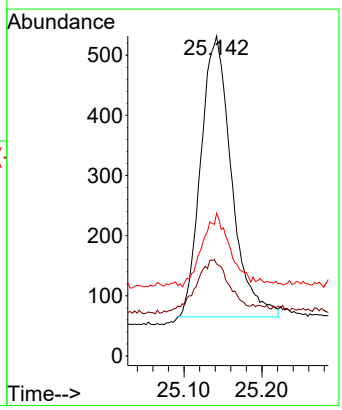


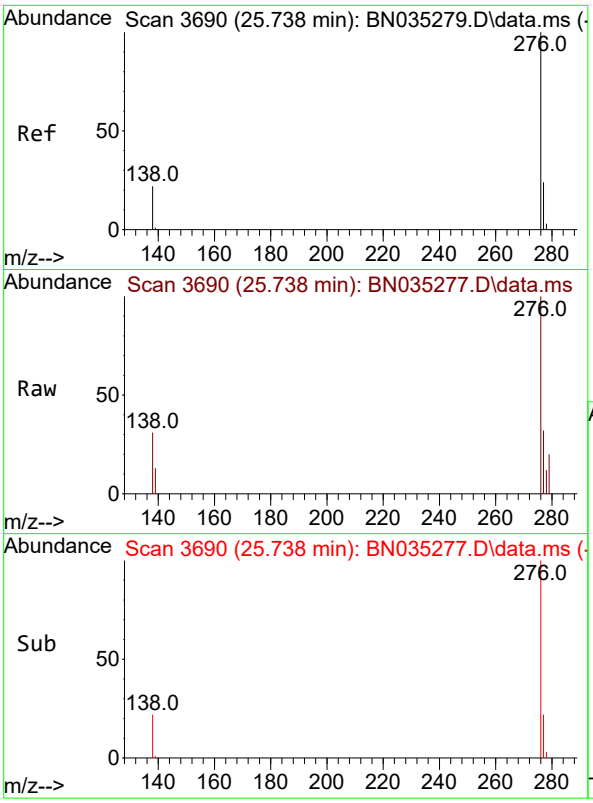


#40
Dibenzo(a,h)anthracene
Concen: 0.078 ng
RT: 25.142 min Scan# 3486
Delta R.T. 0.003 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Tgt Ion:278 Resp: 1273

Ion	Ratio	Lower	Upper
278	100		
139	28.8	17.0	25.6#
279	44.5	23.0	34.4#



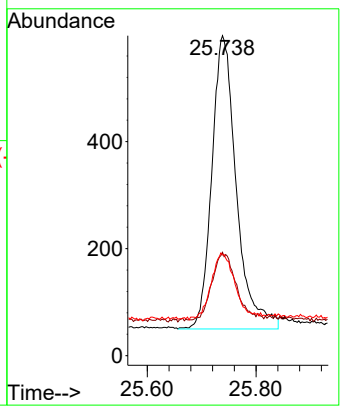


#41
Benzo(g,h,i)perylene
Concen: 0.091 ng
RT: 25.738 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN035277.D
Acq: 25 Nov 2024 10:16

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 1716

Ion	Ratio	Lower	Upper
276	100		
277	32.3	21.1	31.7#
138	31.4	19.8	29.8#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035278.D
Acq On : 25 Nov 2024 10:52
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Nov 25 18:31:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.315	152	2248	0.400	ng		0.00
7) Naphthalene-d8	10.063	136	5670	0.400	ng		0.00
13) Acenaphthene-d10	13.976	164	3200	0.400	ng		0.00
19) Phenanthrene-d10	16.734	188	7531	0.400	ng		0.00
29) Chrysene-d12	21.008	240	797	0.400	ng		0.00
35) Perylene-d12	23.084	264	4527	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.975	112	891	0.210	ng		0.00
5) Phenol-d6	6.520	99	1264	0.213	ng		0.00
8) Nitrobenzene-d5	8.450	82	1060	0.231	ng		0.00
11) 2-Methylnaphthalene-d10	11.666	152	1506	0.190	ng		0.00
14) 2,4,6-Tribromophenol	15.484	330	279	0.171	ng		0.00
15) 2-Fluorobiphenyl	12.608	172	679	0.384	ng		0.00
27) Fluoranthene-d10	18.792	212	3625	0.180	ng		0.00
31) Terphenyl-d14	19.424	244	2197	0.149	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.003	88	310	0.192	ng	#	75
3) n-Nitrosodimethylamine	3.299	42	314	0.188	ng	#	82
6) bis(2-Chloroethyl)ether	6.766	93	978	0.196	ng		98
9) Naphthalene	10.116	128	2990	0.190	ng		96
10) Hexachlorobutadiene	10.415	225	818	0.185	ng	#	98
12) 2-Methylnaphthalene	11.742	142	1929	0.187	ng		97
16) Acenaphthylene	13.688	152	2991	0.186	ng		99
17) Acenaphthene	14.040	154	1852	0.183	ng		97
18) Fluorene	15.035	166	2587	0.182	ng		98
20) 4,6-Dinitro-2-methylph...	15.131	198	102	0.283	ng	#	49
21) 4-Bromophenyl-phenylether	15.952	248	888	0.186	ng	#	70
22) Hexachlorobenzene	16.051	284	1264	0.185	ng		98
23) Atrazine	16.237	200	357	0.177	ng		92
24) Pentachlorophenol	16.399	266	252	0.154	ng		97
25) Phenanthrene	16.783	178	4155	0.180	ng		100
26) Anthracene	16.870	178	3384	0.170	ng		99
28) Fluoranthene	18.825	202	4828	0.165	ng		100
30) Pyrene	19.192	202	4697	0.162	ng		99
32) Benzo(a)anthracene	21.017	228	4459	0.161	ng		99
33) Chrysene	21.017	228	4459	0.161	ng		99
34) Bis(2-ethylhexyl)phtha...	21.017	149	696	0.104	ng	#	92
36) Indeno(1,2,3-cd)pyrene	25.121	276	3191	0.172	ng		99
37) Benzo(b)fluoranthene	22.467	252	3513	0.179	ng	#	90
38) Benzo(k)fluoranthene	22.505	252	3588	0.172	ng	#	90
39) Benzo(a)pyrene	22.990	252	2673	0.178	ng	#	87
40) Dibenzo(a,h)anthracene	25.142	278	2328	0.166	ng	#	90
41) Benzo(g,h,i)perylene	25.741	276	2967	0.183	ng		95

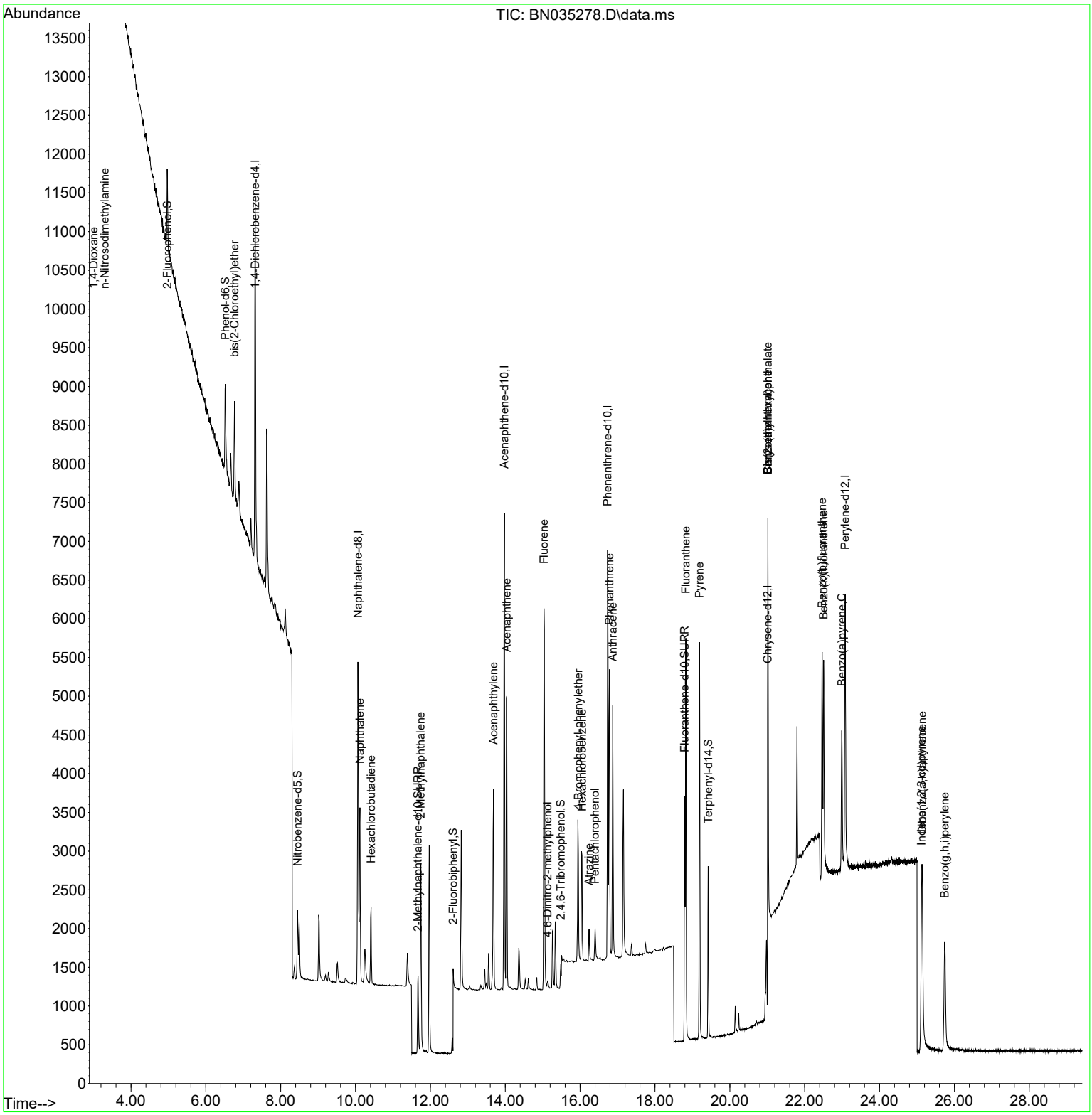
(#) = qualifier out of range (m) = manual integration (+) = signals summed

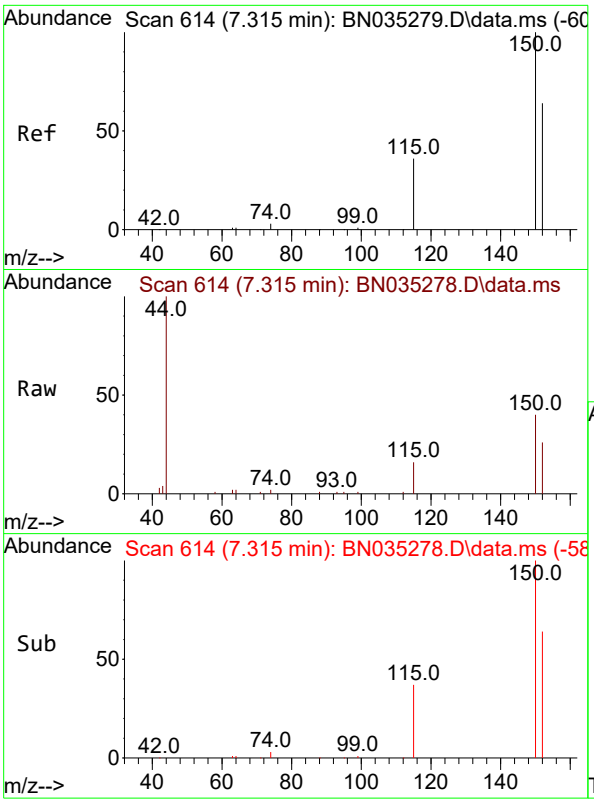
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035278.D
Acq On : 25 Nov 2024 10:52
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Nov 25 18:31:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration



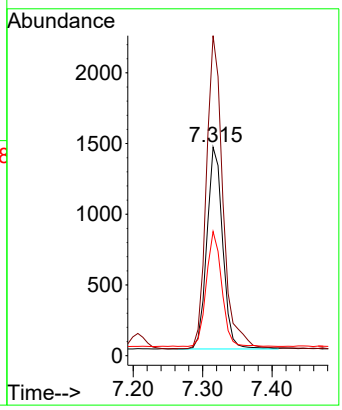


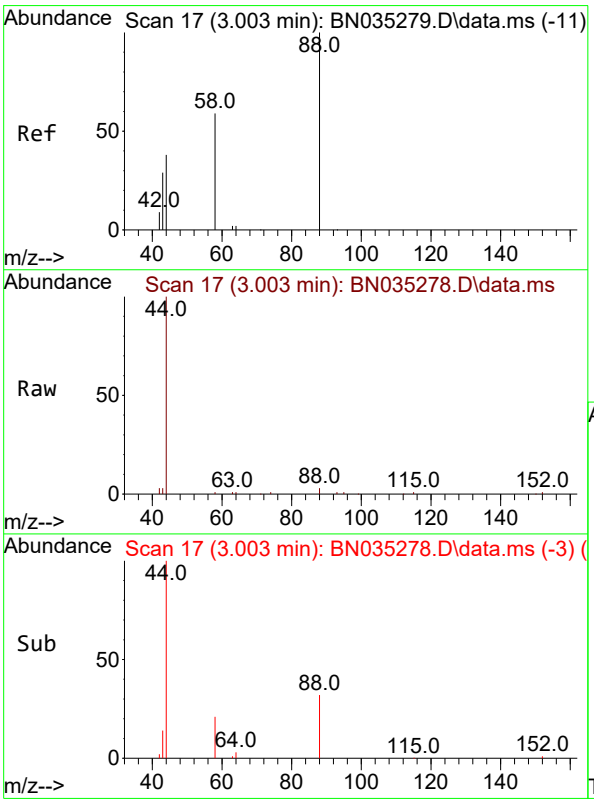
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 2248

Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.5	186.7
115	59.6	47.8	71.8

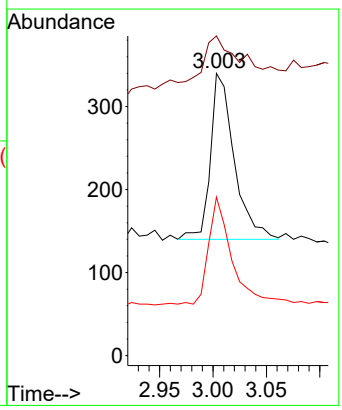


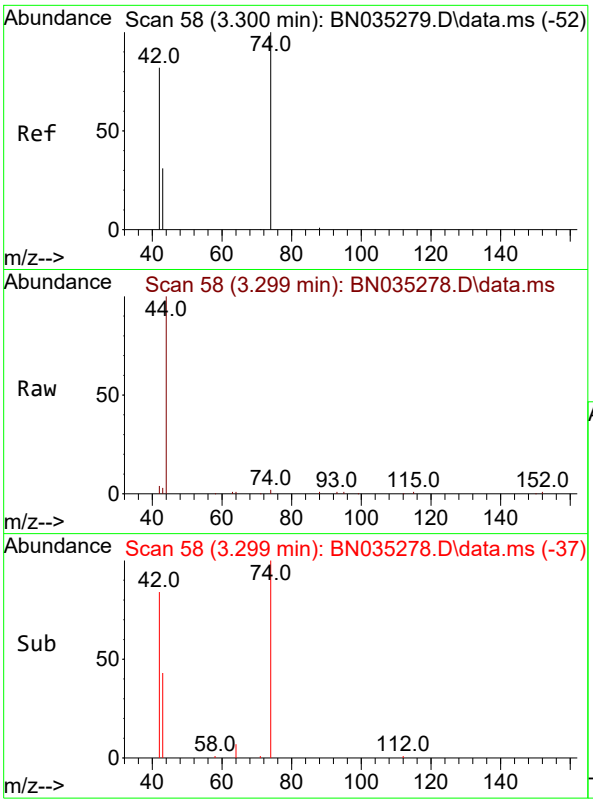


#2
1,4-Dioxane
Concen: 0.192 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion: 88 Resp: 310

Ion	Ratio	Lower	Upper
88	100		
43	91.0	48.1	72.1#
58	65.5	46.9	70.3



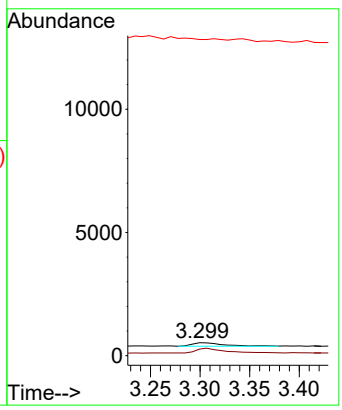


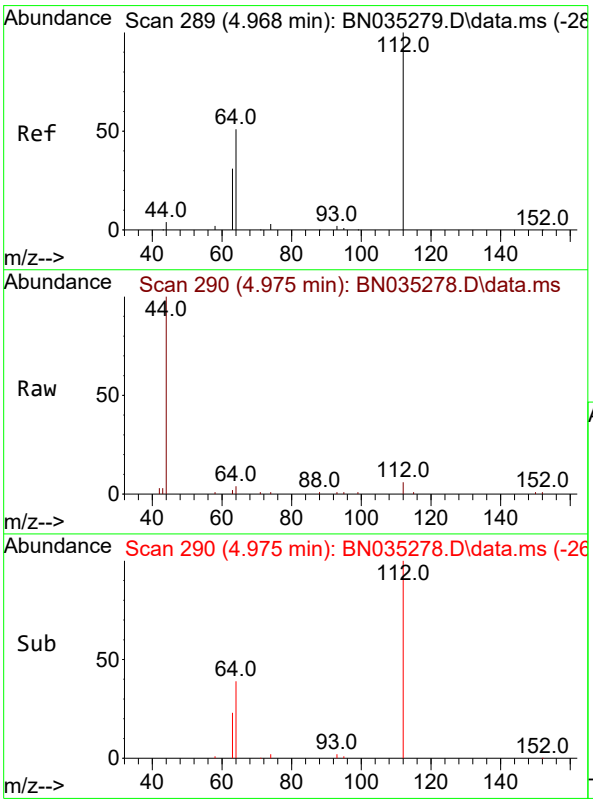
#3
n-Nitrosodimethylamine
Concen: 0.188 ng
RT: 3.299 min Scan# 5
Delta R.T. -0.001 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 42 Resp: 314

Ion	Ratio	Lower	Upper
42	100		
74	125.8	102.7	154.1
44	0.0	34.1	51.1#

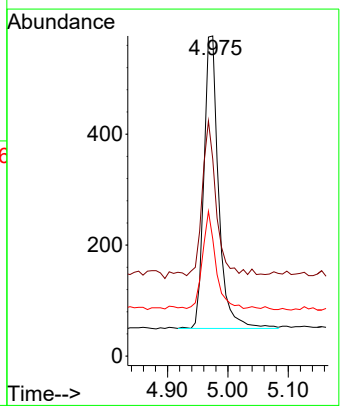


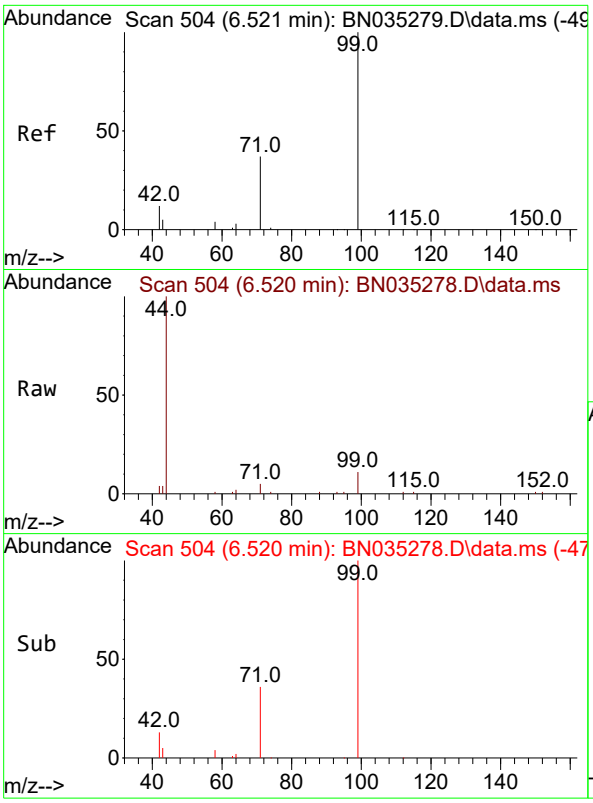


#4
2-Fluorophenol
Concen: 0.210 ng
RT: 4.975 min Scan# 290
Delta R.T. 0.007 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:112 Resp: 891

Ion	Ratio	Lower	Upper
112	100		
64	50.3	40.4	60.6
63	29.5	23.8	35.8



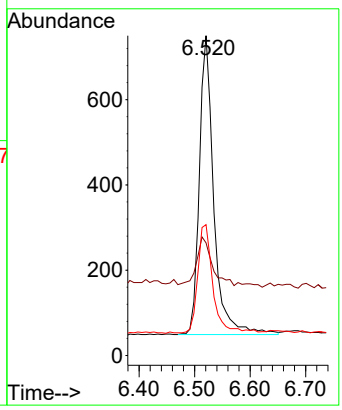


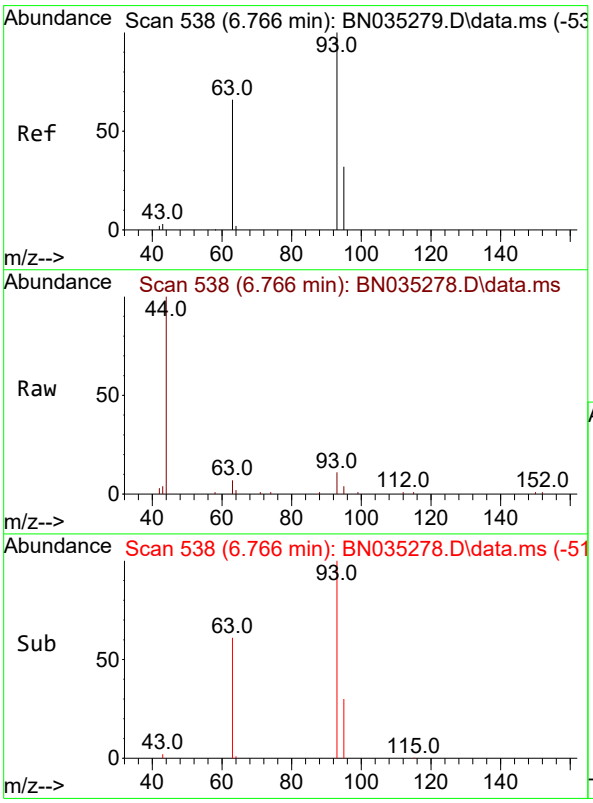
#5
Phenol-d6
Concen: 0.213 ng
RT: 6.520 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 1264

Ion	Ratio	Lower	Upper
99	100		
42	20.3	12.8	19.2#
71	37.8	31.4	47.2

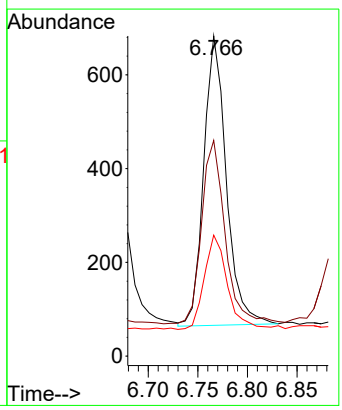


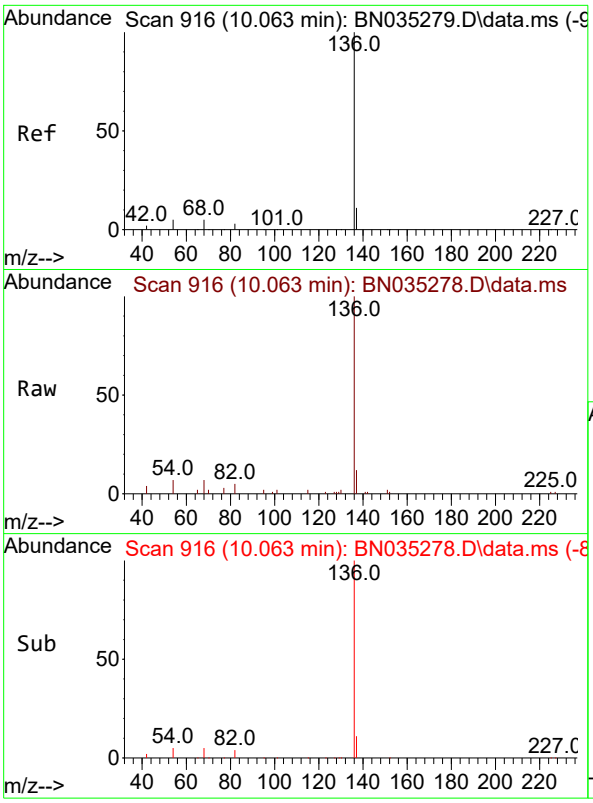


#6
bis(2-Chloroethyl)ether
Concen: 0.196 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion: 93 Resp: 978

Ion	Ratio	Lower	Upper
93	100		
63	66.0	52.3	78.5
95	33.7	25.5	38.3



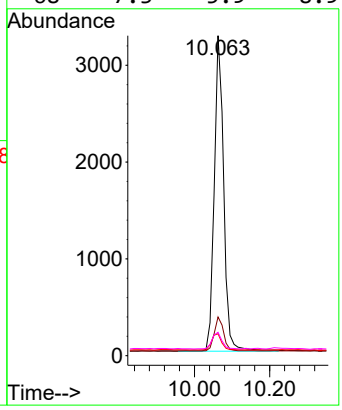


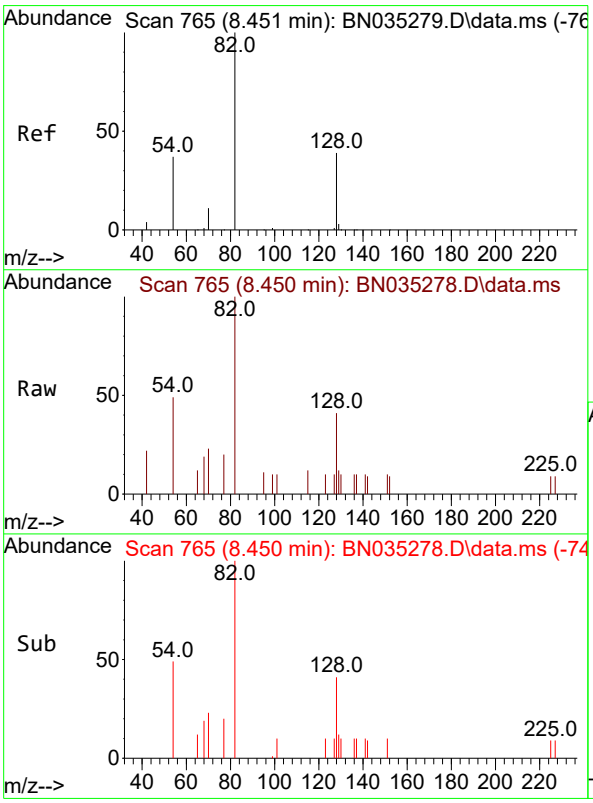
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:136 Resp: 5670

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	6.8	5.3	7.9
68	7.3	5.9	8.9

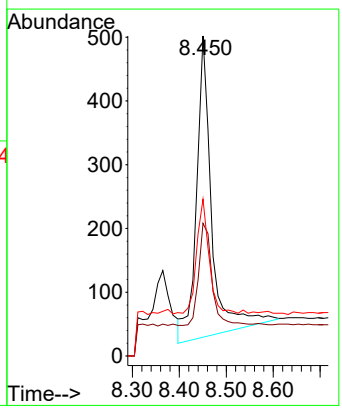


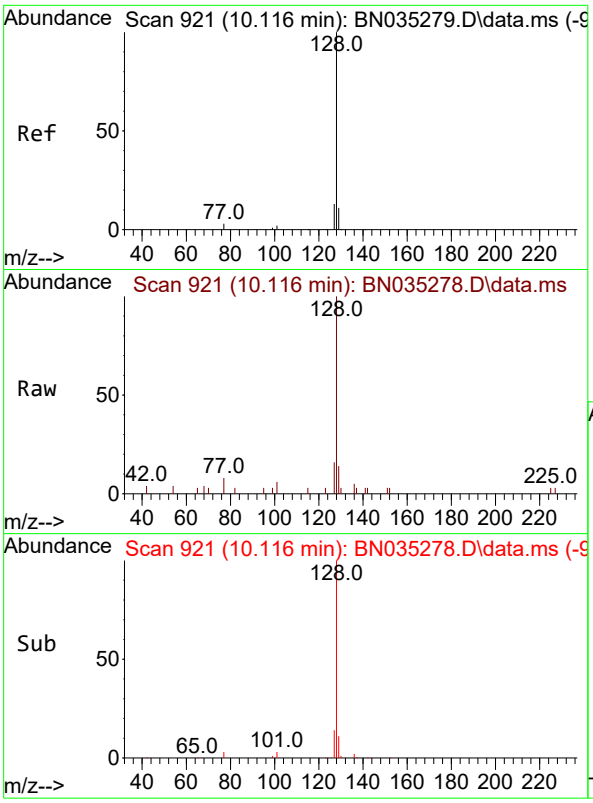


#8
Nitrobenzene-d5
Concen: 0.231 ng
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion: 82 Resp: 1060

Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.0	49.4
54	49.0	33.3	49.9



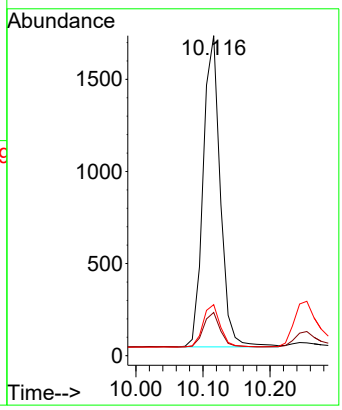


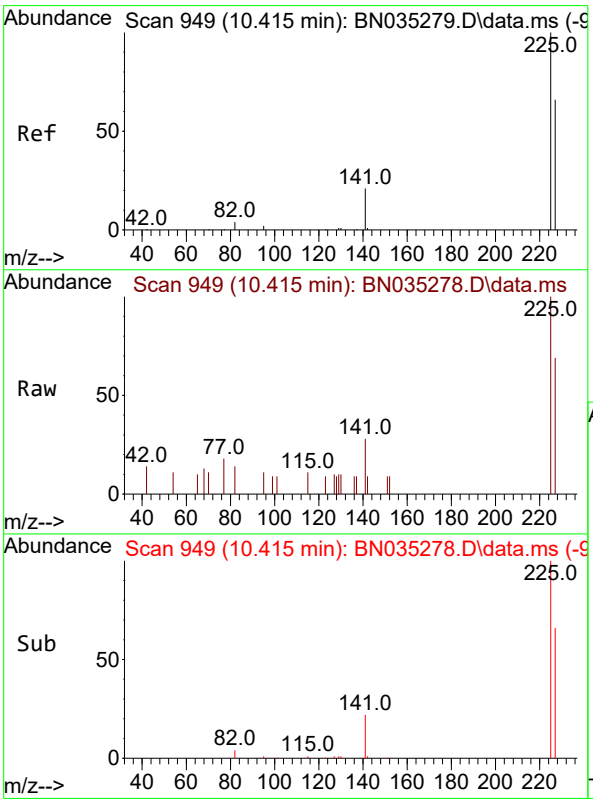
#9
Naphthalene
Concen: 0.190 ng
RT: 10.116 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 2990

Ion	Ratio	Lower	Upper
128	100		
129	13.5	9.6	14.4
127	15.9	11.3	16.9

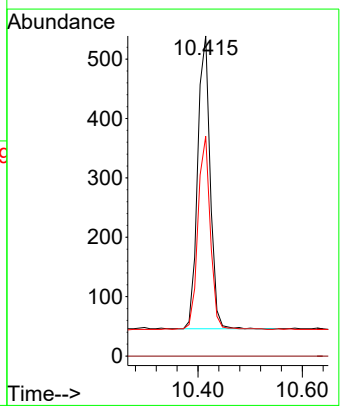


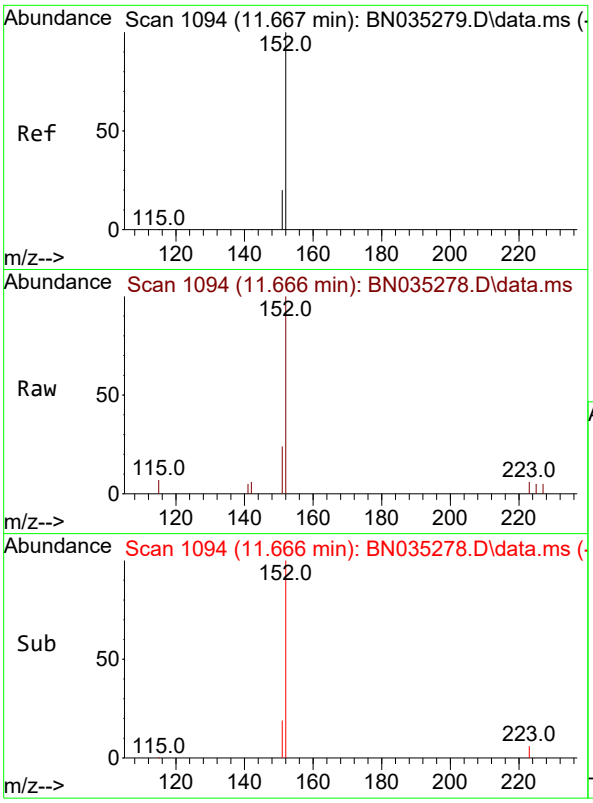


#10
Hexachlorobutadiene
Concen: 0.185 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:225 Resp: 818

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.4	51.3	76.9



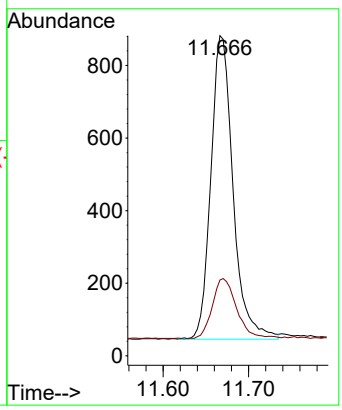


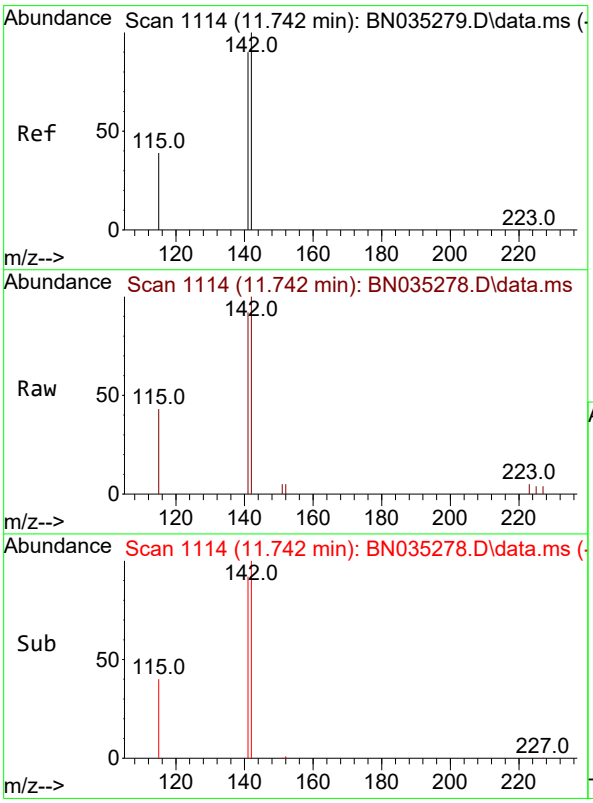
#11
2-Methylnaphthalene-d10
Concen: 0.190 ng
RT: 11.666 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 1506

Ion	Ratio	Lower	Upper
152	100		
151	22.0	17.2	25.8

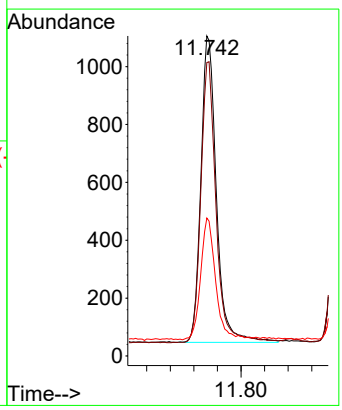


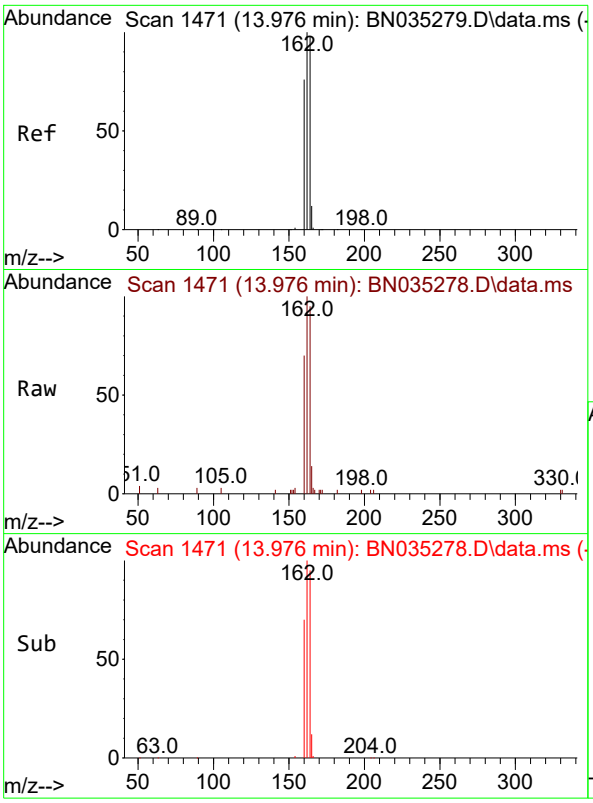


#12
2-Methylnaphthalene
Concen: 0.187 ng
RT: 11.742 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:142 Resp: 1929

Ion	Ratio	Lower	Upper
142	100		
141	91.7	71.8	107.8
115	43.1	32.6	49.0



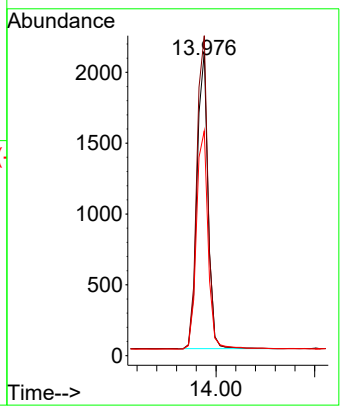


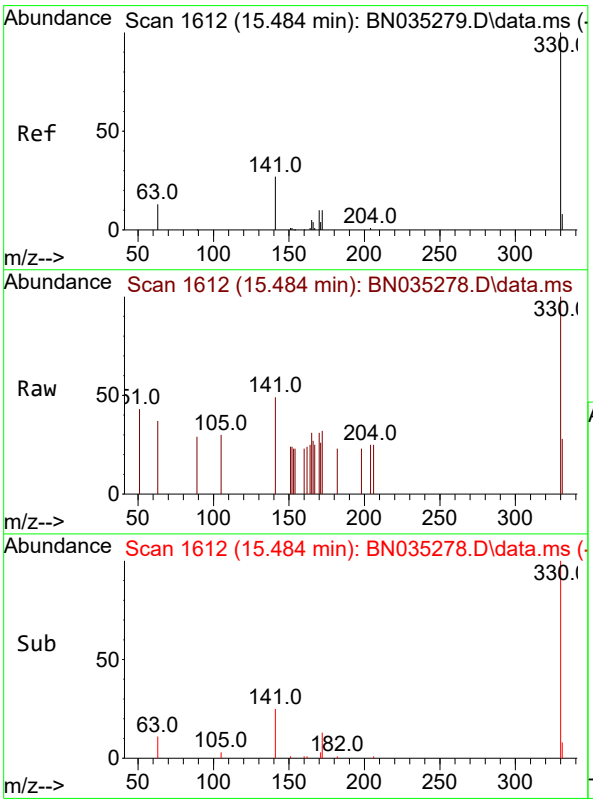
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:164 Resp: 3200

Ion	Ratio	Lower	Upper
164	100		
162	105.6	82.0	123.0
160	74.2	63.0	94.4

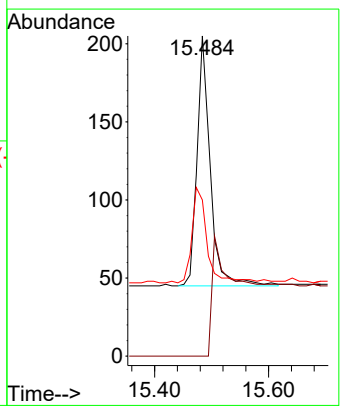


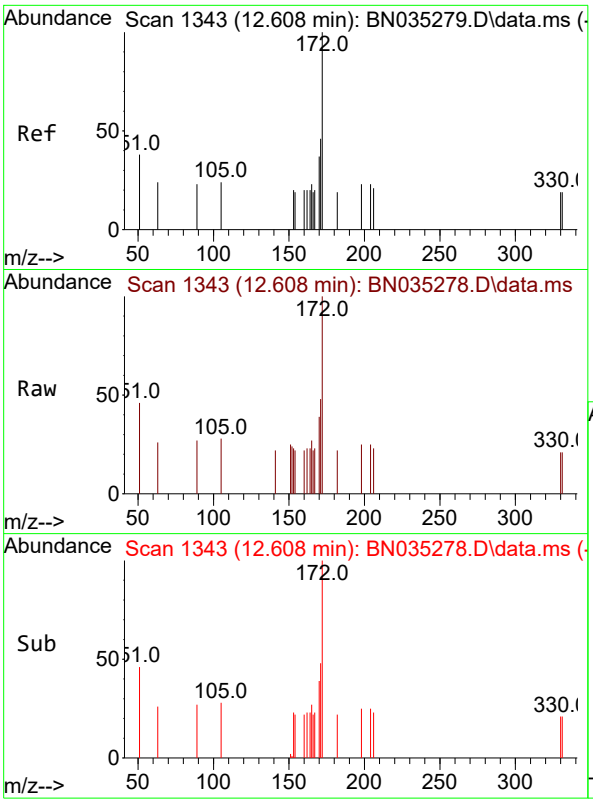


#14
2,4,6-Tribromophenol
Concen: 0.171 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:330 Resp: 279

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	43.4	32.4	48.6



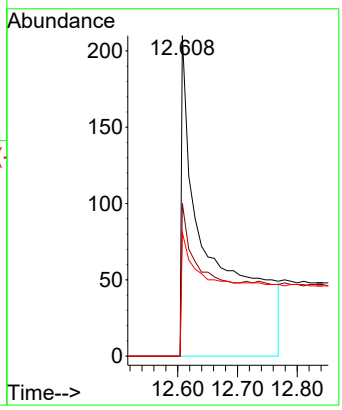


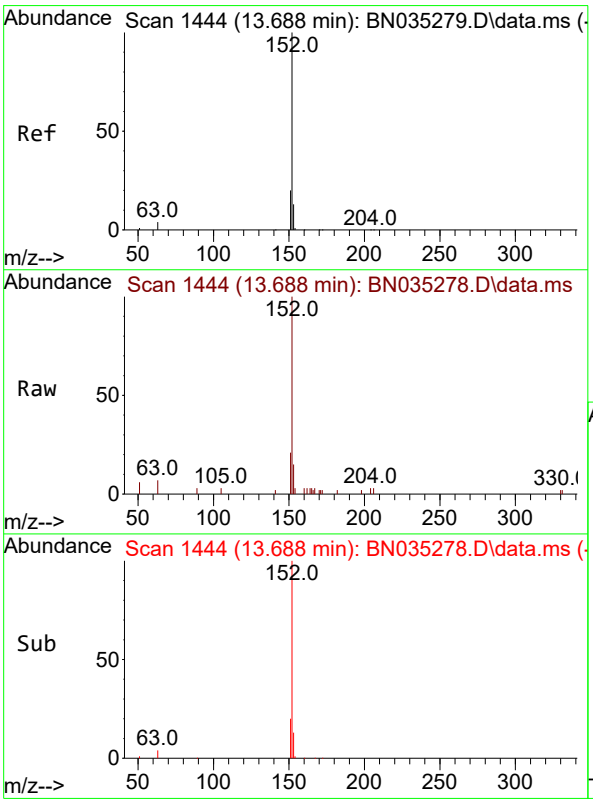
#15
2-Fluorobiphenyl
Concen: 0.384 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:172 Resp: 679

Ion	Ratio	Lower	Upper
172	100		
171	47.6	36.6	55.0
170	38.6	29.7	44.5

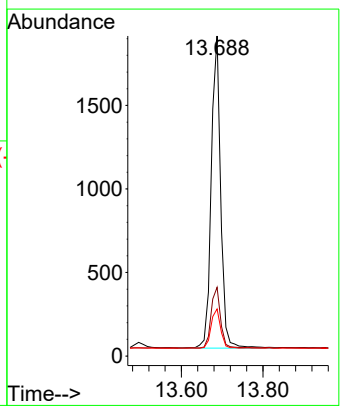


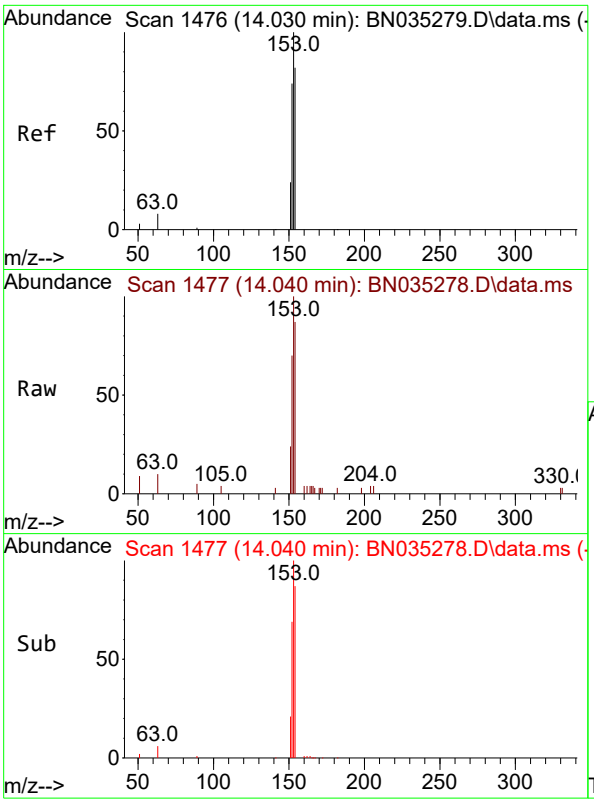


#16
Acenaphthylene
Concen: 0.186 ng
RT: 13.688 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:152 Resp: 2991

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.9	23.9
153	12.9	10.2	15.4



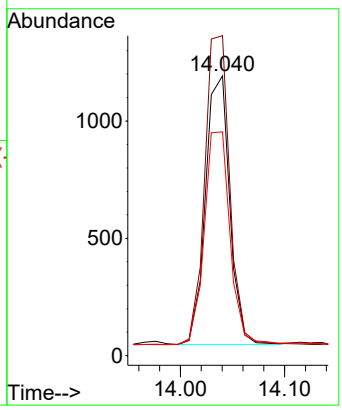


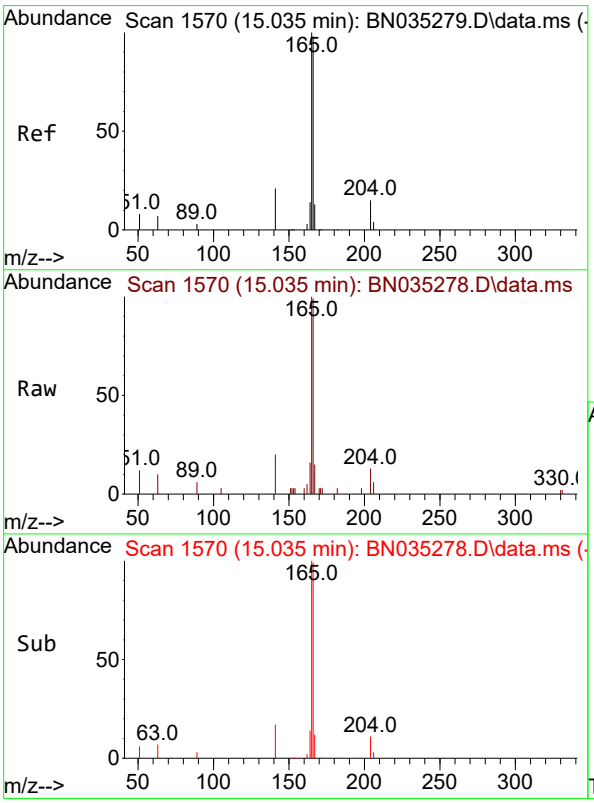
#17
Acenaphthene
Concen: 0.183 ng
RT: 14.040 min Scan# 14
Delta R.T. 0.010 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:154 Resp: 1852

Ion	Ratio	Lower	Upper
154	100		
153	119.7	96.1	144.1
152	84.6	72.2	108.2

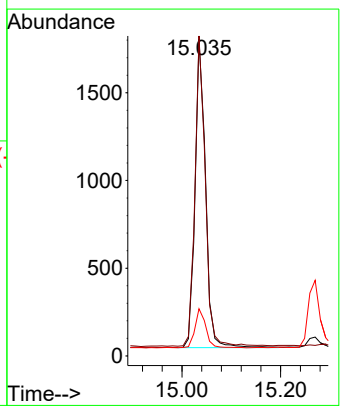


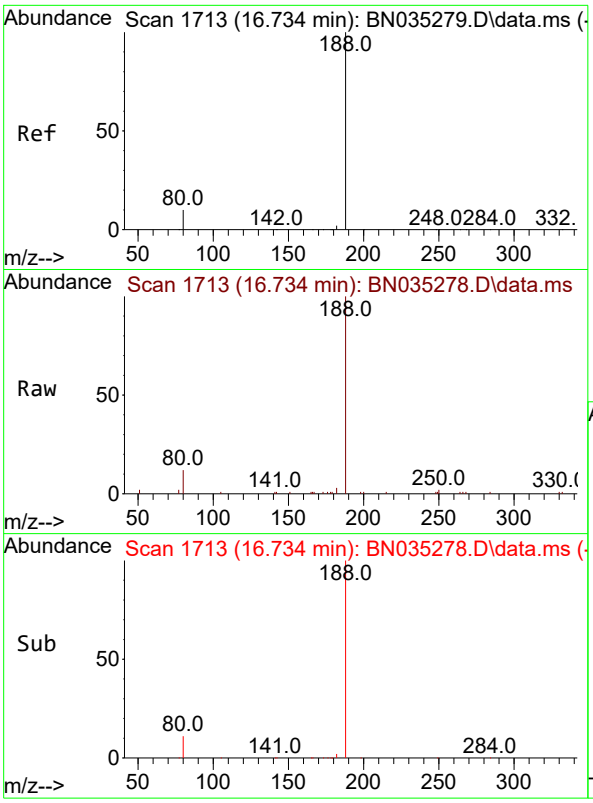


#18
Fluorene
Concen: 0.182 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:166 Resp: 2587

Ion	Ratio	Lower	Upper
166	100		
165	99.7	81.2	121.8
167	13.2	10.5	15.7



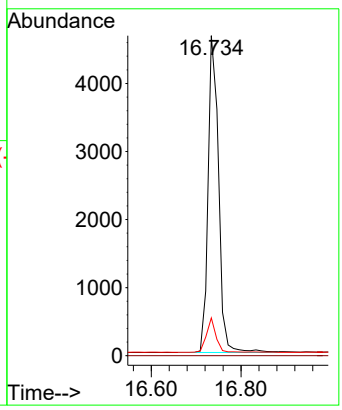


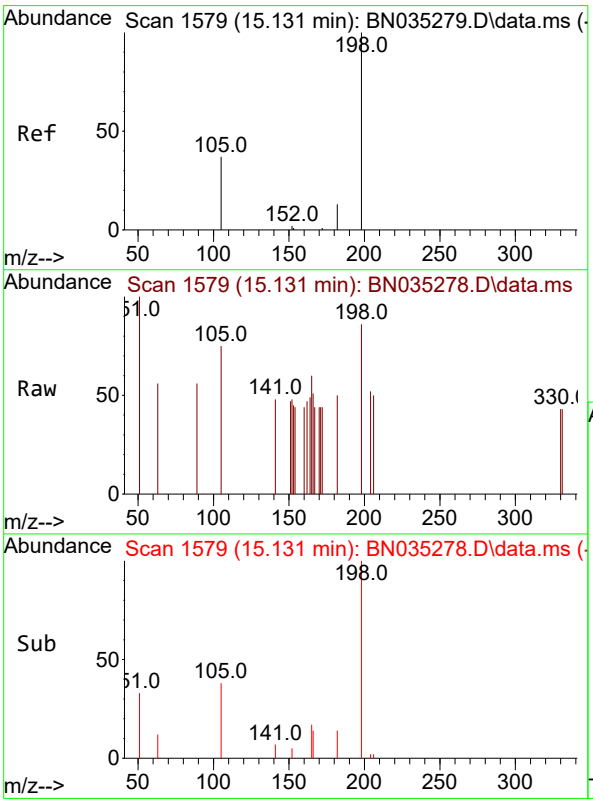
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 7531

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.8	8.9	13.3

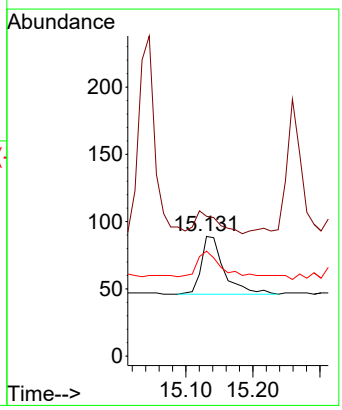


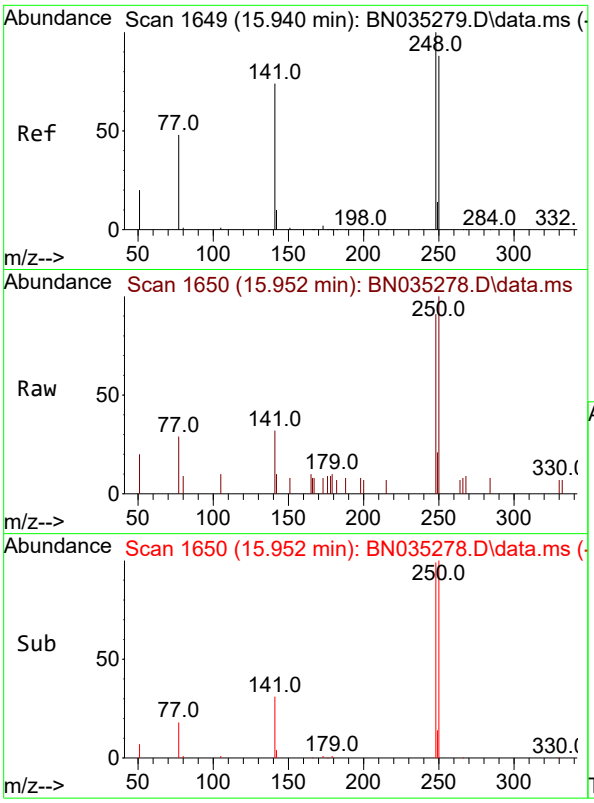


#20
4,6-Dinitro-2-methylphenol
Concen: 0.283 ng
RT: 15.131 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:198 Resp: 102

Ion	Ratio	Lower	Upper
198	100		
51	116.9	53.6	80.4#
105	87.6	47.4	71.2#



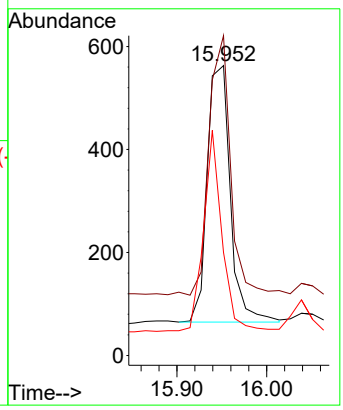


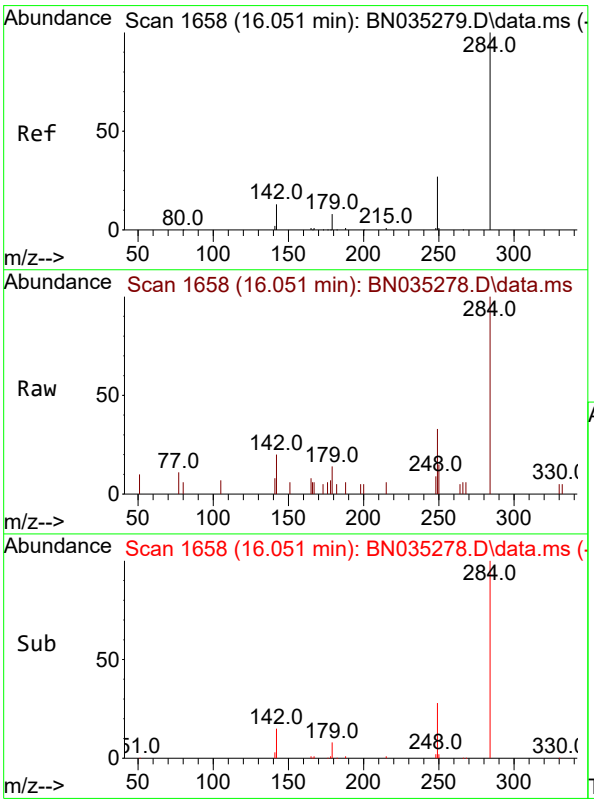
#21
4-Bromophenyl-phenylether
Concen: 0.186 ng
RT: 15.952 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:248 Resp: 888

Ion	Ratio	Lower	Upper
248	100		
250	110.3	74.8	112.2
141	35.5	59.0	88.4#

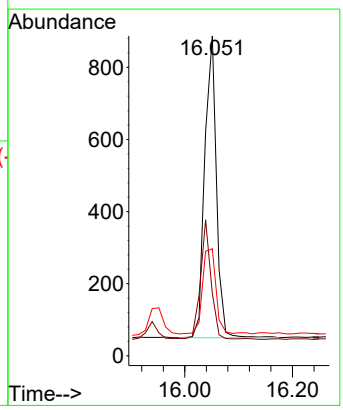


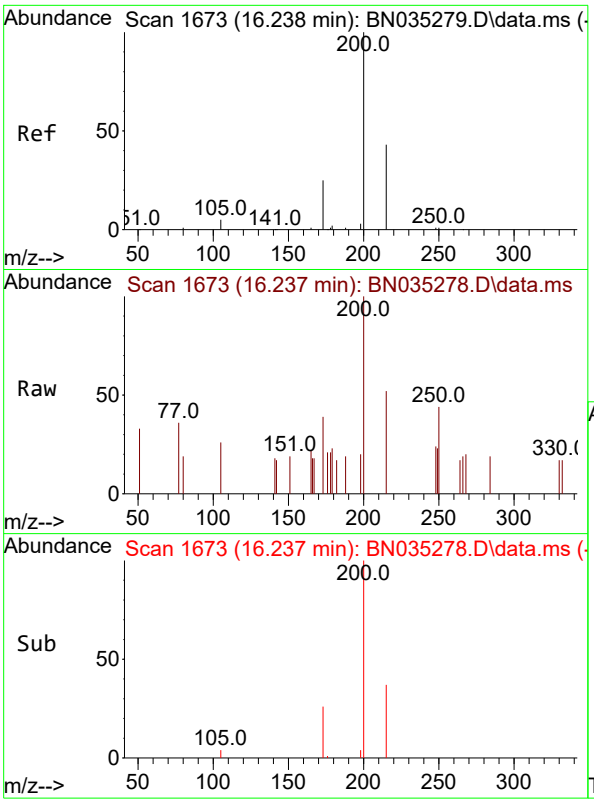


#22
Hexachlorobenzene
Concen: 0.185 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:284 Resp: 1264

Ion	Ratio	Lower	Upper
284	100		
142	35.2	28.7	43.1
249	33.8	25.4	38.0



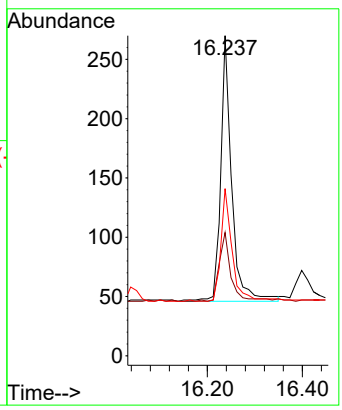


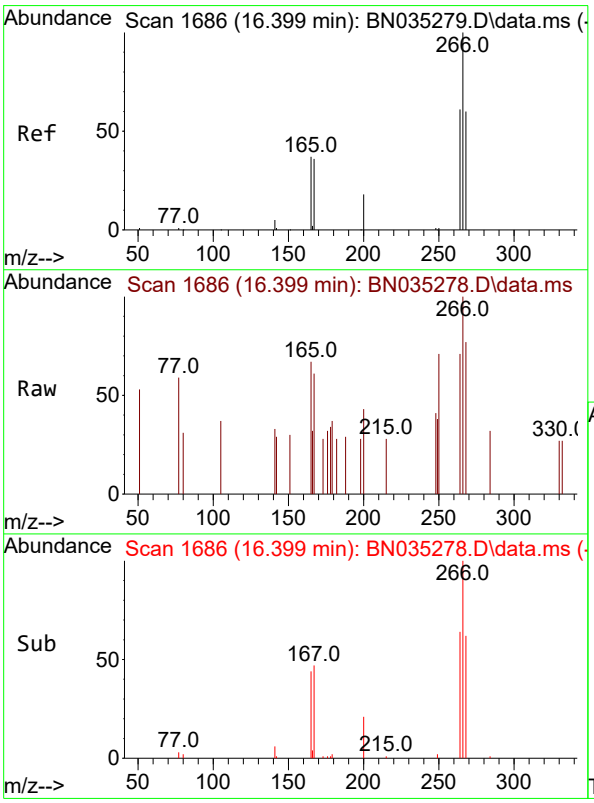
#23
Atrazine
Concen: 0.177 ng
RT: 16.237 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:200 Resp: 357

Ion	Ratio	Lower	Upper
200	100		
173	38.5	25.8	38.8
215	52.2	38.6	58.0

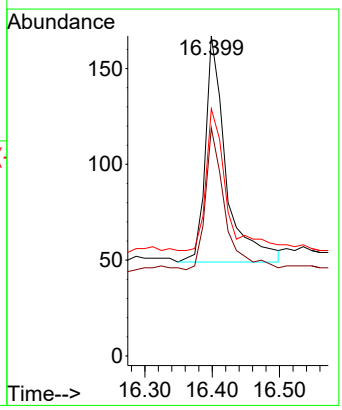


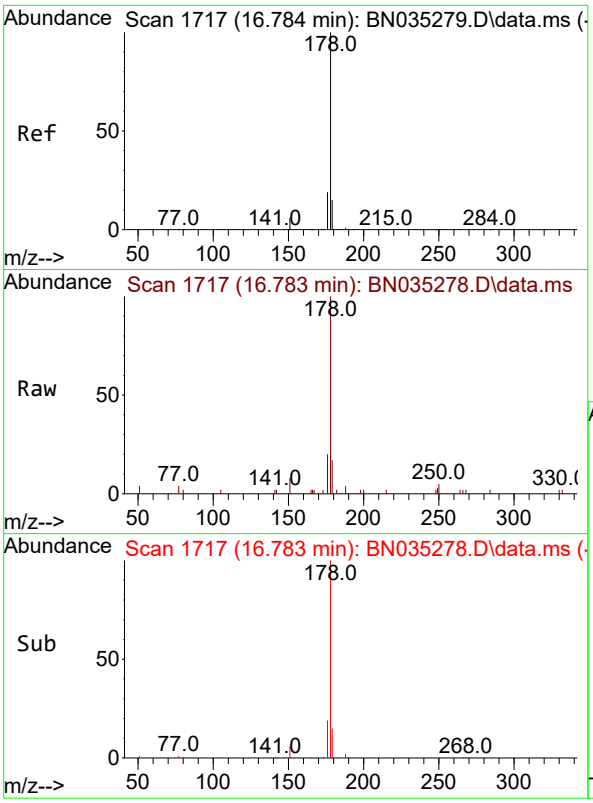


#24
Pentachlorophenol
Concen: 0.154 ng
RT: 16.399 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:266 Resp: 252

Ion	Ratio	Lower	Upper
266	100		
264	59.1	49.3	73.9
268	63.1	48.6	73.0



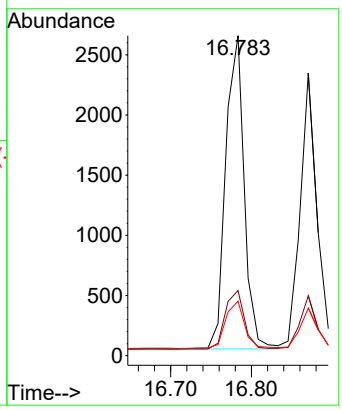


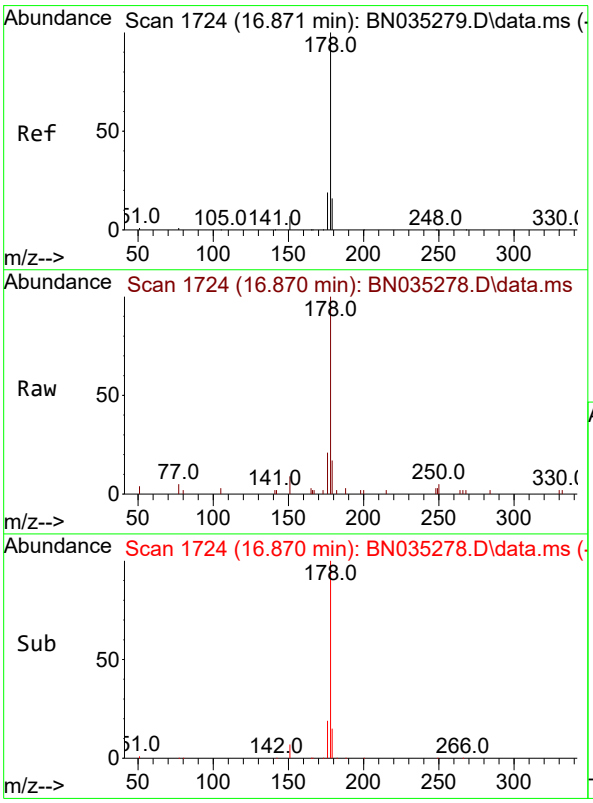
#25
Phenanthrene
Concen: 0.180 ng
RT: 16.783 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 4155

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.5	12.6	18.8

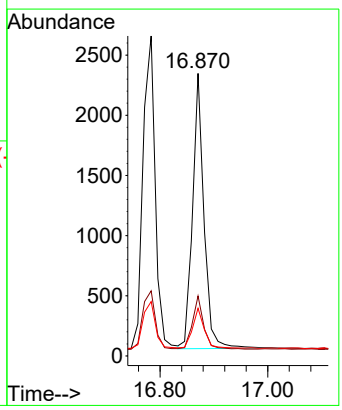


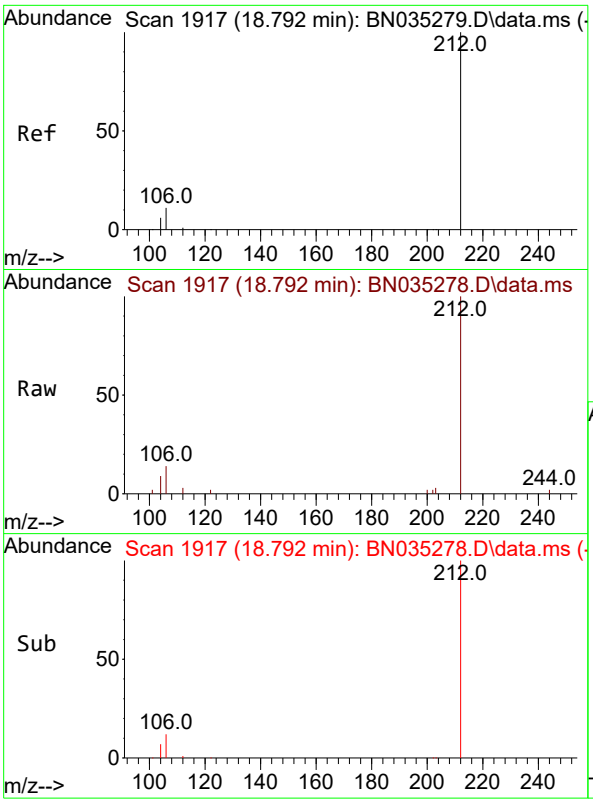


#26
Anthracene
Concen: 0.170 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:178 Resp: 3384

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.0	12.4	18.6



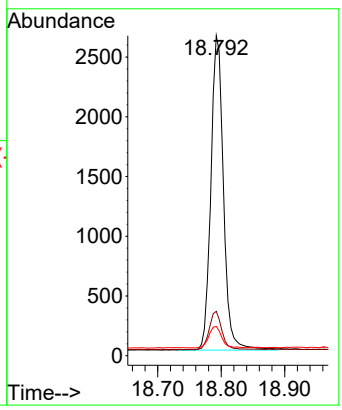


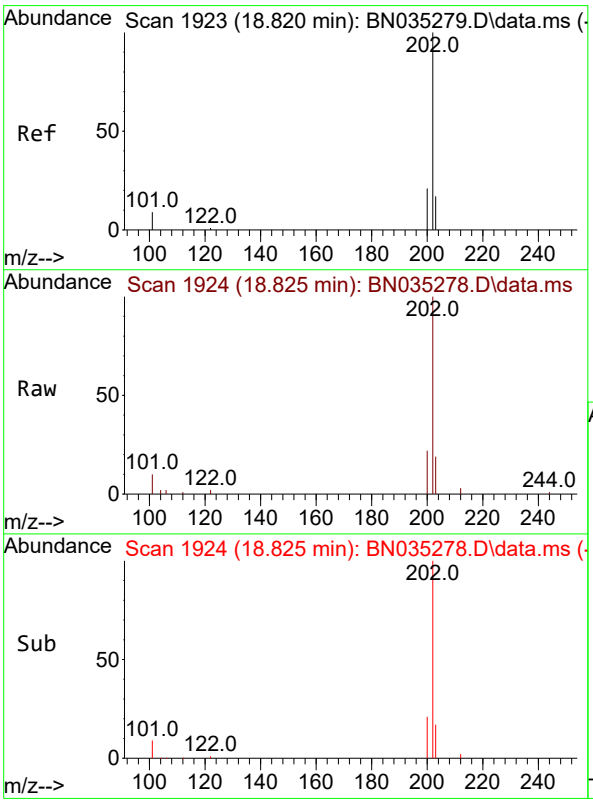
#27
Fluoranthene-d10
Concen: 0.180 ng
RT: 18.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:212 Resp: 3625

Ion	Ratio	Lower	Upper
212	100		
106	12.3	9.8	14.8
104	6.9	5.6	8.4

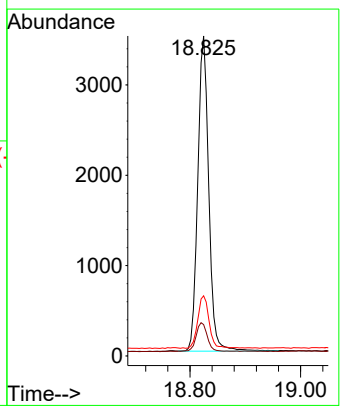


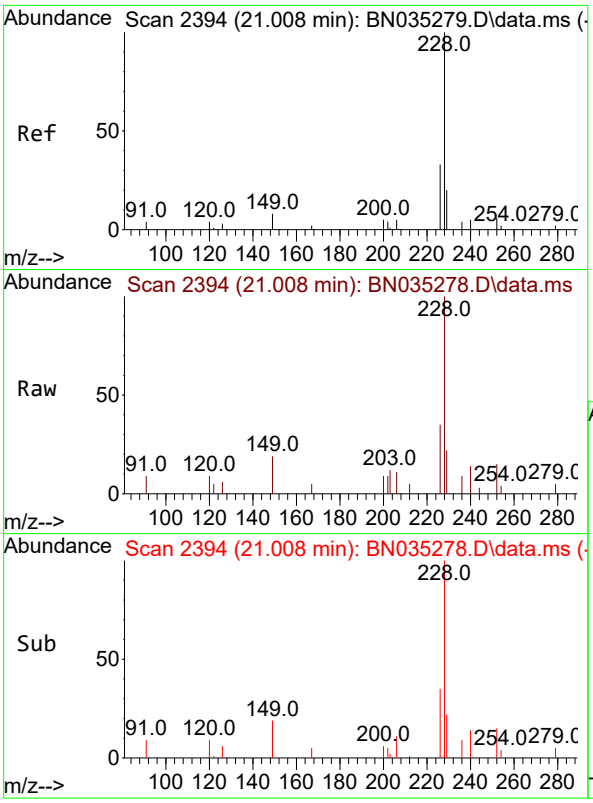


#28
Fluoranthene
Concen: 0.165 ng
RT: 18.825 min Scan# 1924
Delta R.T. 0.005 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:202 Resp: 4828

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.6	11.4
203	17.3	13.8	20.8



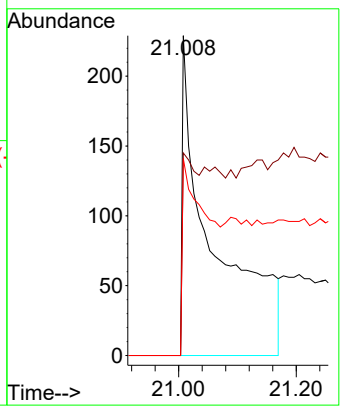


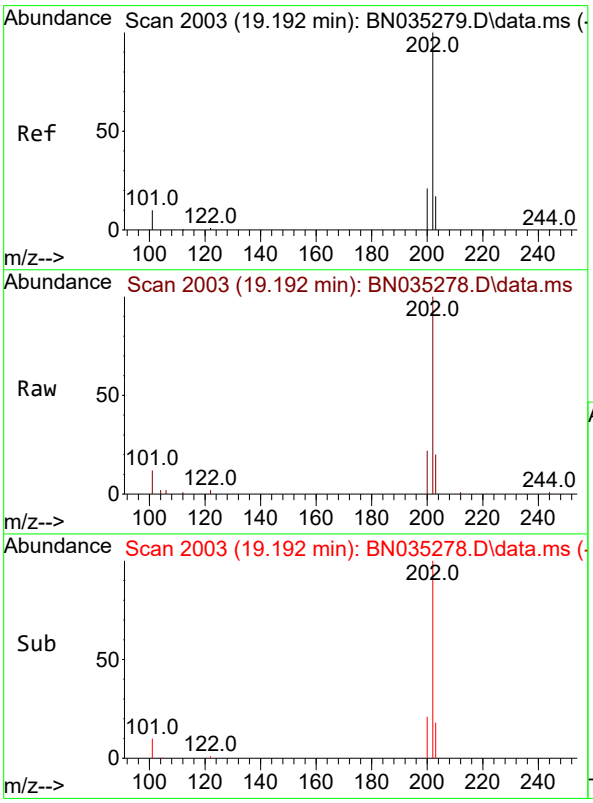
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:240 Resp: 797

Ion	Ratio	Lower	Upper
240	100		
120	63.3	54.9	82.3
236	61.6	54.0	81.0

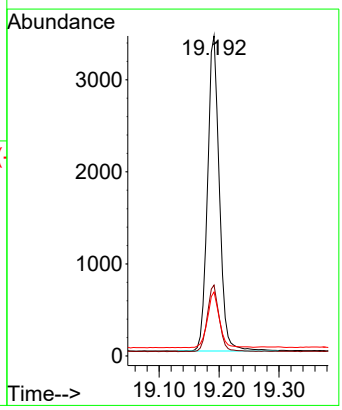


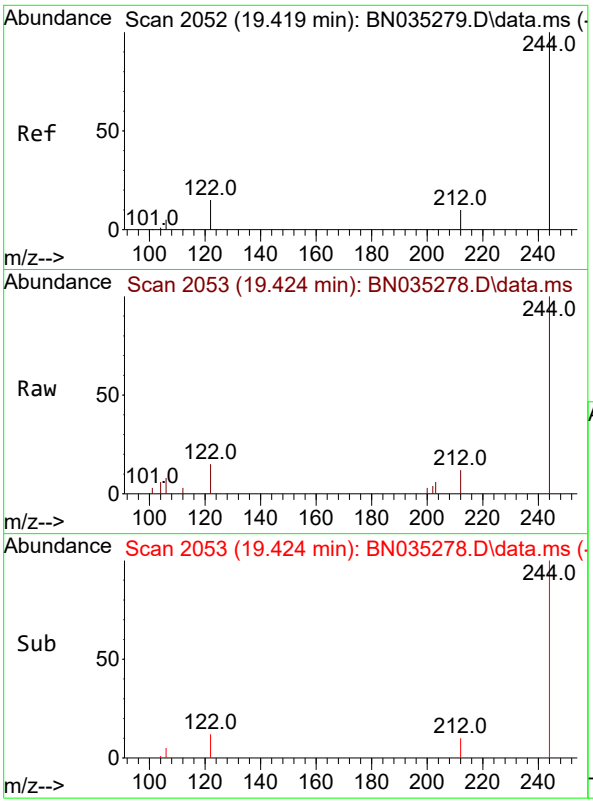


#30
Pyrene
Concen: 0.162 ng
RT: 19.192 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:202 Resp: 4697

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.7	14.4	21.6



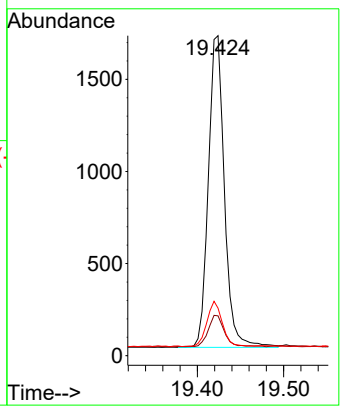


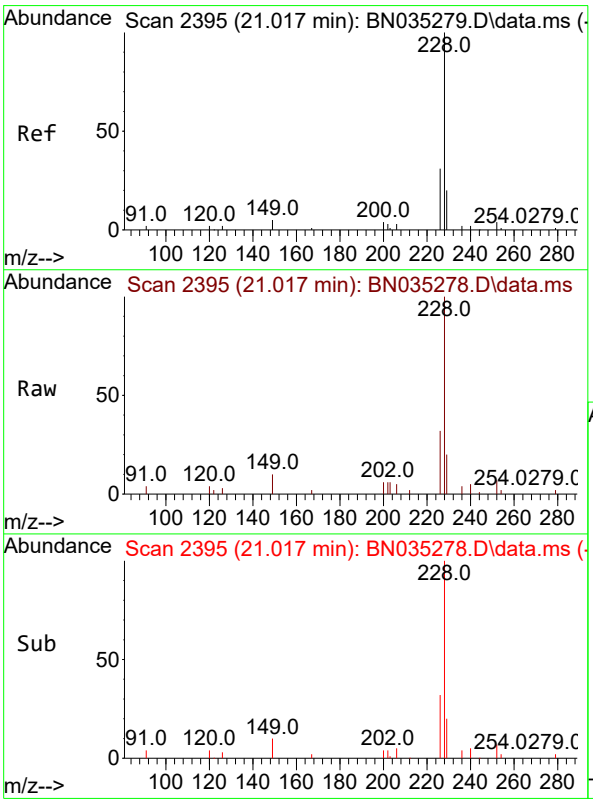
#31
Terphenyl-d14
Concen: 0.149 ng
RT: 19.424 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:244 Resp: 2197

Ion	Ratio	Lower	Upper
244	100		
212	12.4	9.4	14.0
122	14.9	13.0	19.4

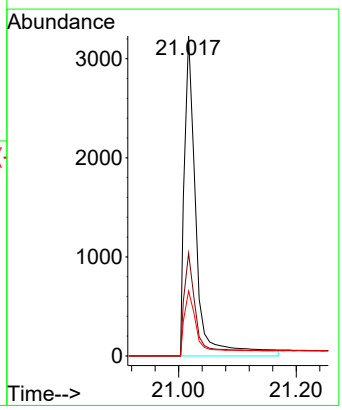


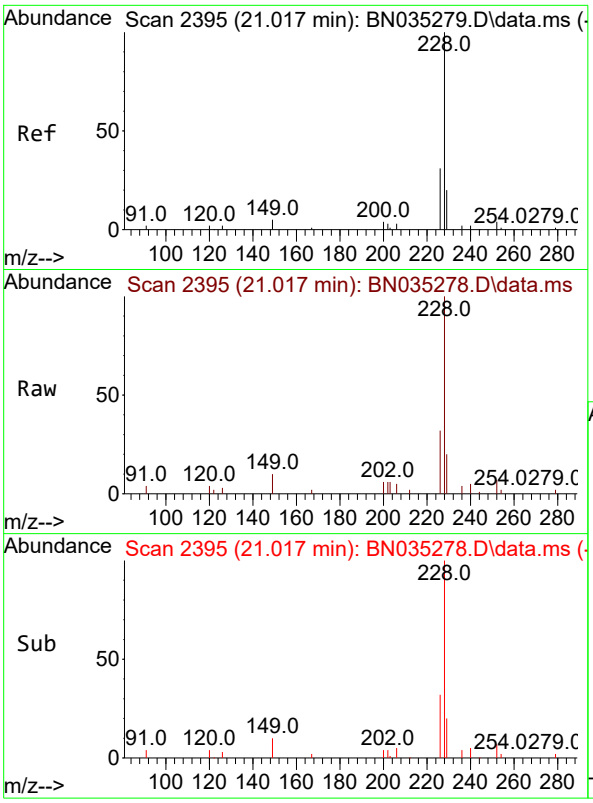


#32
Benzo(a)anthracene
Concen: 0.161 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:228 Resp: 4459

Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.7	37.1
229	20.3	16.2	24.2



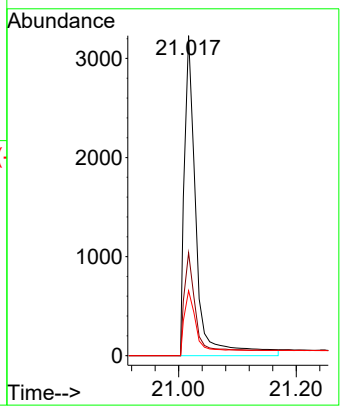


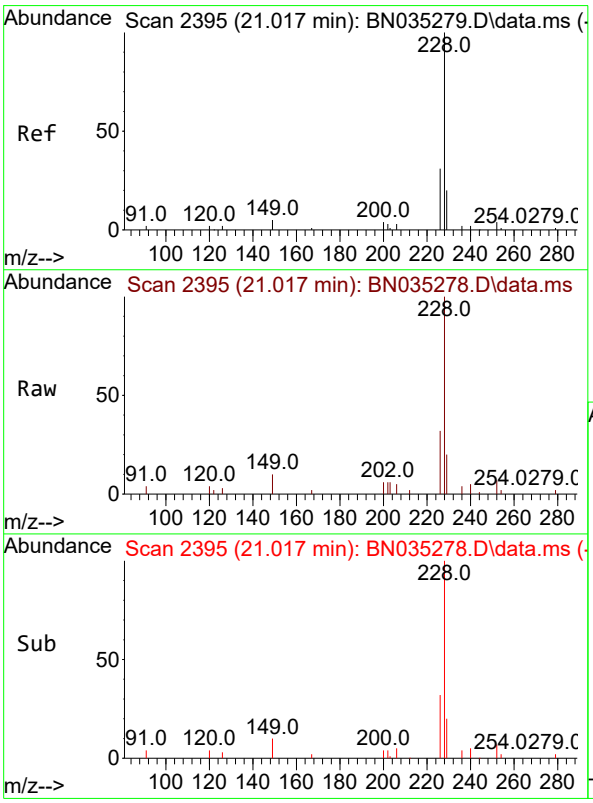
#33
Chrysene
Concen: 0.161 ng
RT: 21.017 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:228 Resp: 4459

Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.7	37.1
229	20.3	16.2	24.2

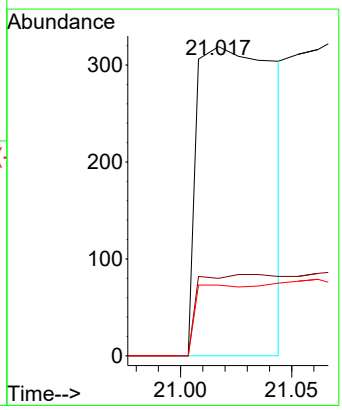


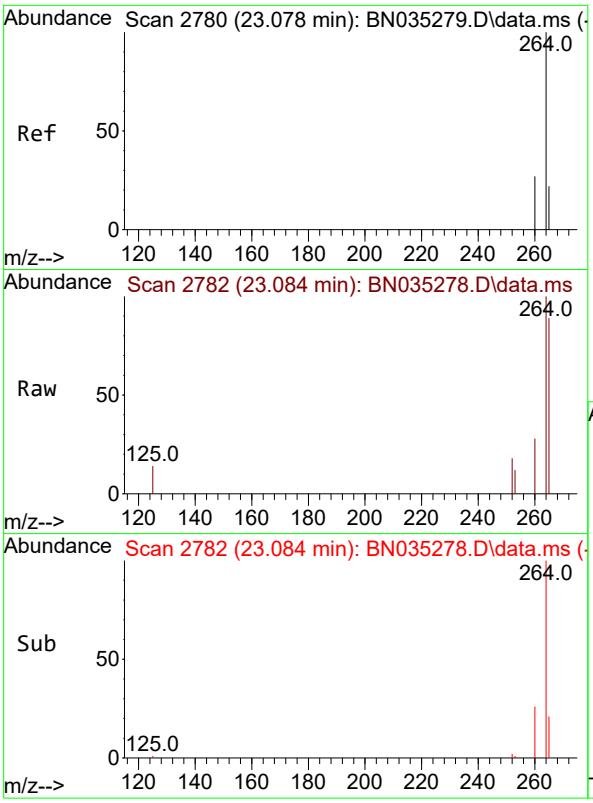


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.104 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:149 Resp: 696

Ion	Ratio	Lower	Upper
149	100		
167	26.7	0.0	0.0#
279	12.8	13.0	19.6#



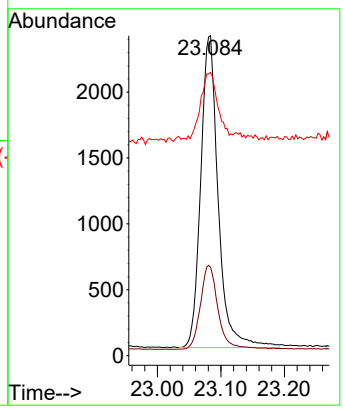


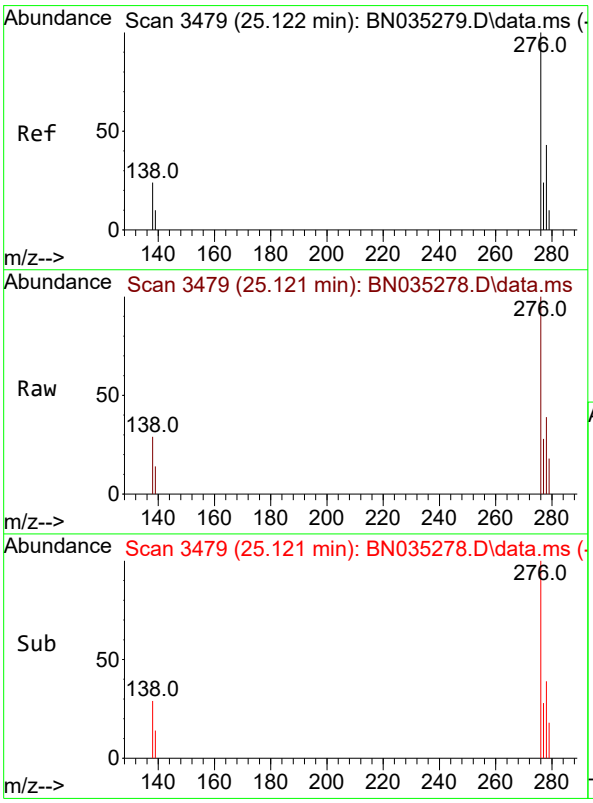
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.084 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:264 Resp: 4527

Ion	Ratio	Lower	Upper
264	100		
260	27.6	22.3	33.5
265	88.5	68.6	103.0

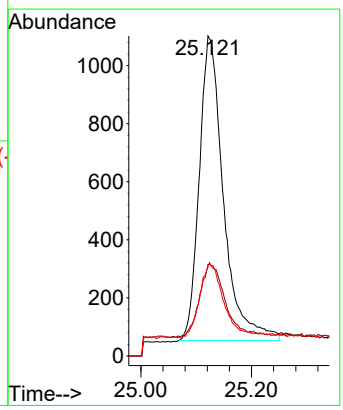


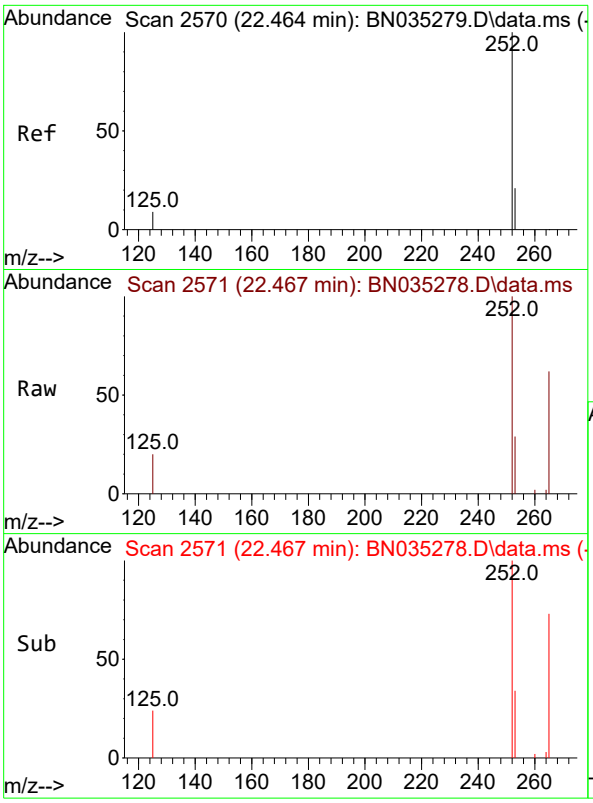


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.172 ng
RT: 25.121 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:276 Resp: 3191

Ion	Ratio	Lower	Upper
276	100		
138	23.2	18.8	28.2
277	23.0	18.2	27.4



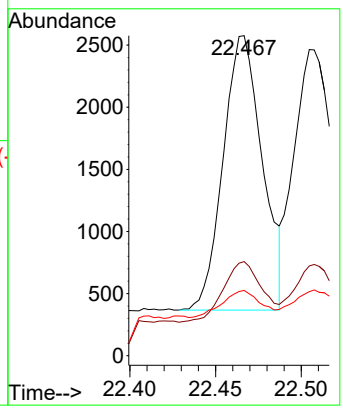


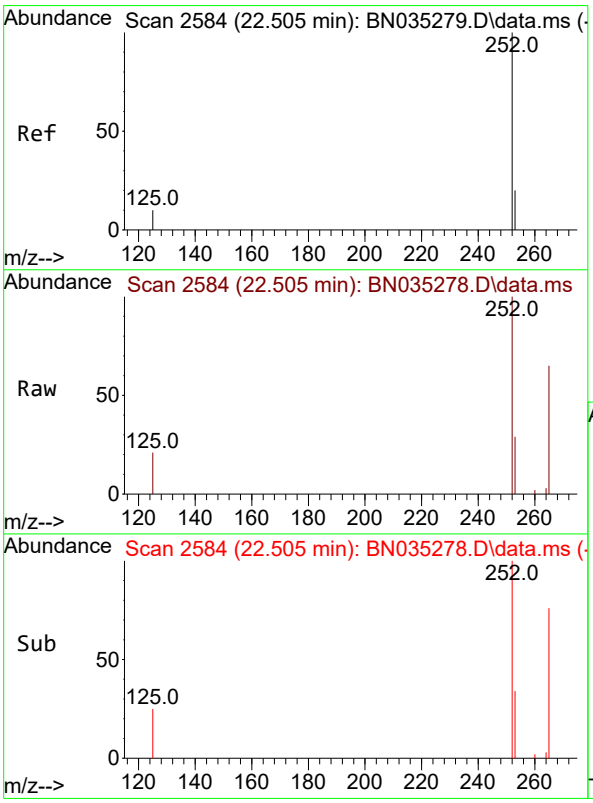
#37
Benzo(b)fluoranthene
Concen: 0.179 ng
RT: 22.467 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 3513

Ion	Ratio	Lower	Upper
252	100		
253	29.4	20.2	30.2
125	20.4	12.0	18.0#

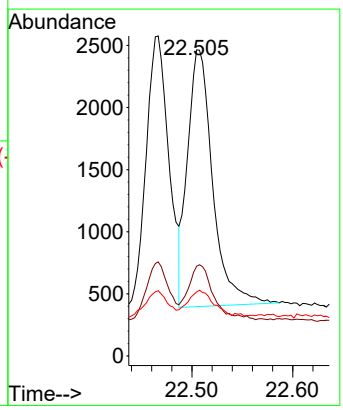


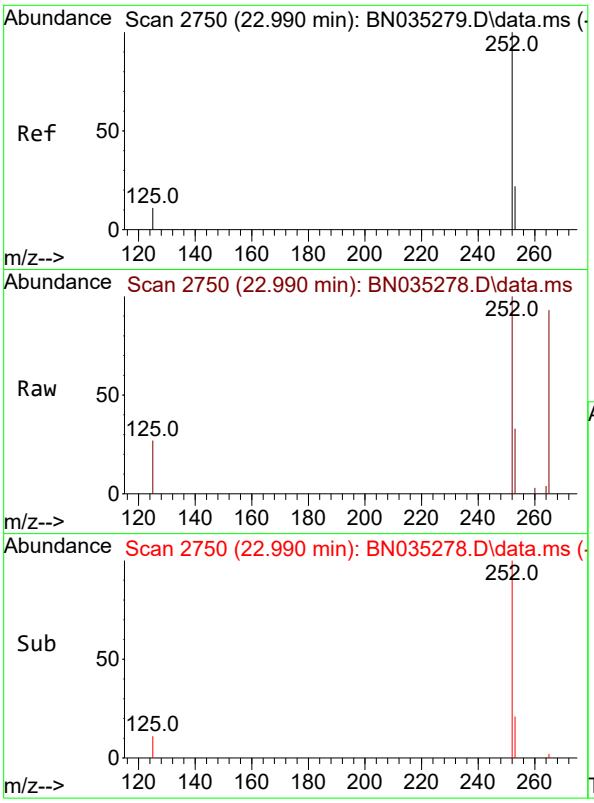


#38
Benzo(k)fluoranthene
Concen: 0.172 ng
RT: 22.505 min Scan# 2584
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:252 Resp: 3588

Ion	Ratio	Lower	Upper
252	100		
253	29.3	20.1	30.1
125	20.9	12.7	19.1#



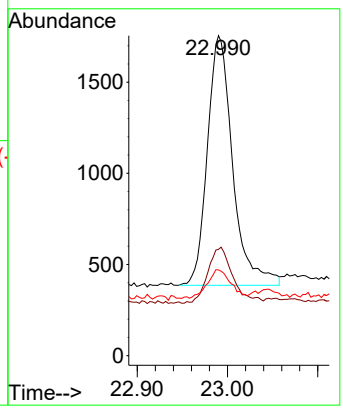


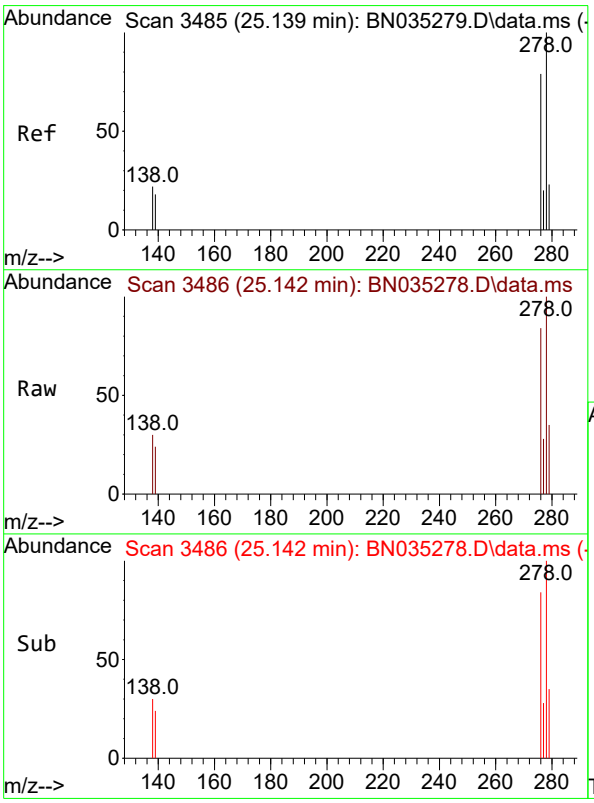
#39
Benzo(a)pyrene
Concen: 0.178 ng
RT: 22.990 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 2673

Ion	Ratio	Lower	Upper
252	100		
253	33.2	22.3	33.5
125	26.8	15.3	22.9#

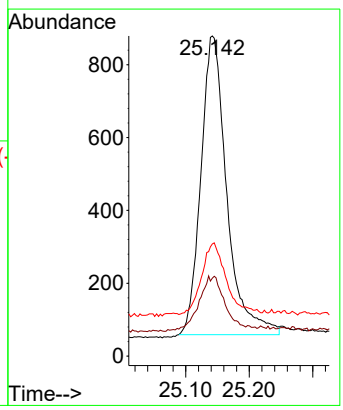


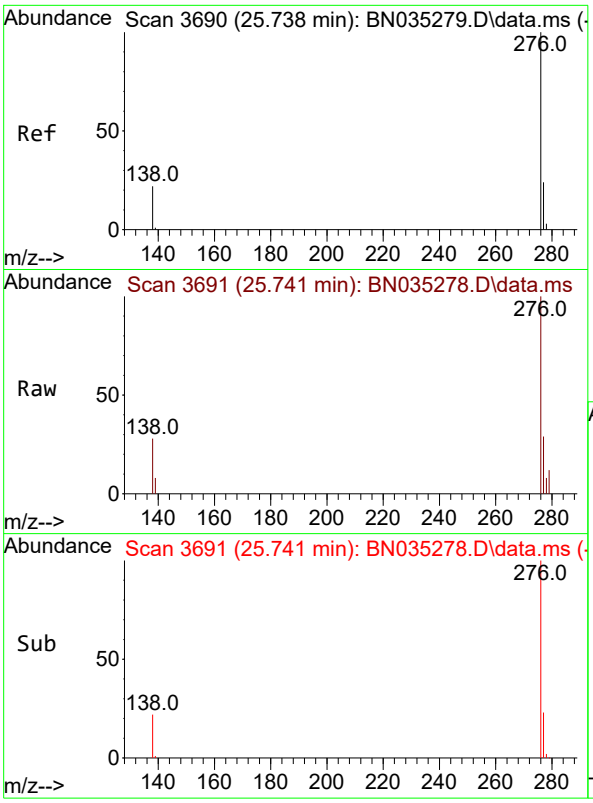


#40
Dibenzo(a,h)anthracene
Concen: 0.166 ng
RT: 25.142 min Scan# 3486
Delta R.T. 0.003 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Tgt Ion:278 Resp: 2328

Ion	Ratio	Lower	Upper
278	100		
139	24.3	17.0	25.6
279	35.0	23.0	34.4#



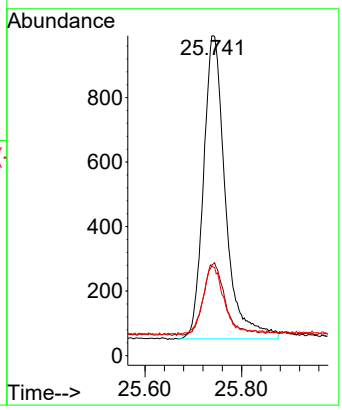


#41
Benzo(g,h,i)perylene
Concen: 0.183 ng
RT: 25.741 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN035278.D
Acq: 25 Nov 2024 10:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 2967

Ion	Ratio	Lower	Upper
276	100		
277	28.6	21.1	31.7
138	27.6	19.8	29.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035284.D
Acq On : 25 Nov 2024 14:29
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Quant Time: Nov 25 22:35:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	2519	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	5593	0.400	ng	0.00
13) Acenaphthene-d10	13.976	164	2659	0.400	ng	# 0.00
19) Phenanthrene-d10	16.734	188	5748	0.400	ng	0.00
29) Chrysene-d12	21.008	240	611	0.400	ng	0.00
35) Perylene-d12	23.081	264	3470	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	1712	0.360	ng	0.00
5) Phenol-d6	6.521	99	2314	0.348	ng	0.00
8) Nitrobenzene-d5	8.450	82	2129	0.469	ng	0.00
11) 2-Methylnaphthalene-d10	11.667	152	2635	0.337	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	546	0.402	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	683	0.465	ng	0.00
27) Fluoranthene-d10	18.792	212	4874	0.317	ng	0.00
31) Terphenyl-d14	19.419	244	3187	0.282	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	689	0.381	ng	# 83
3) n-Nitrosodimethylamine	3.299	42	809	0.431	ng	# 76
6) bis(2-Chloroethyl)ether	6.766	93	2132	0.381	ng	99
9) Naphthalene	10.116	128	5975	0.385	ng	99
10) Hexachlorobutadiene	10.415	225	1929	0.442	ng	# 100
12) 2-Methylnaphthalene	11.742	142	3297	0.325	ng	98
16) Acenaphthylene	13.688	152	5175	0.387	ng	99
17) Acenaphthene	14.030	154	3227	0.383	ng	# 90
18) Fluorene	15.035	166	4194	0.355	ng	97
20) 4,6-Dinitro-2-methylph...	15.131	198	239	0.477	ng	98
21) 4-Bromophenyl-phenylether	15.940	248	1328	0.364	ng	92
22) Hexachlorobenzene	16.051	284	2564	0.491	ng	98
23) Atrazine	16.237	200	643	0.419	ng	98
24) Pentachlorophenol	16.399	266	510	0.407	ng	95
25) Phenanthrene	16.784	178	6385	0.362	ng	100
26) Anthracene	16.870	178	4852	0.320	ng	99
28) Fluoranthene	18.825	202	6686	0.300	ng	99
30) Pyrene	19.192	202	6525	0.294	ng	100
32) Benzo(a)anthracene	21.017	228	5799	0.273	ng	100
33) Chrysene	21.017	228	5799	0.273	ng	100
34) Bis(2-ethylhexyl)phtha...	21.017	149	520	0.041	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.121	276	5652	0.398	ng	99
37) Benzo(b)fluoranthene	22.464	252	5358	0.355	ng	97
38) Benzo(k)fluoranthene	22.508	252	5559	0.348	ng	97
39) Benzo(a)pyrene	22.990	252	4167	0.361	ng	97
40) Dibenzo(a,h)anthracene	25.145	278	4182	0.389	ng	98
41) Benzo(g,h,i)perylene	25.738	276	5121	0.412	ng	99

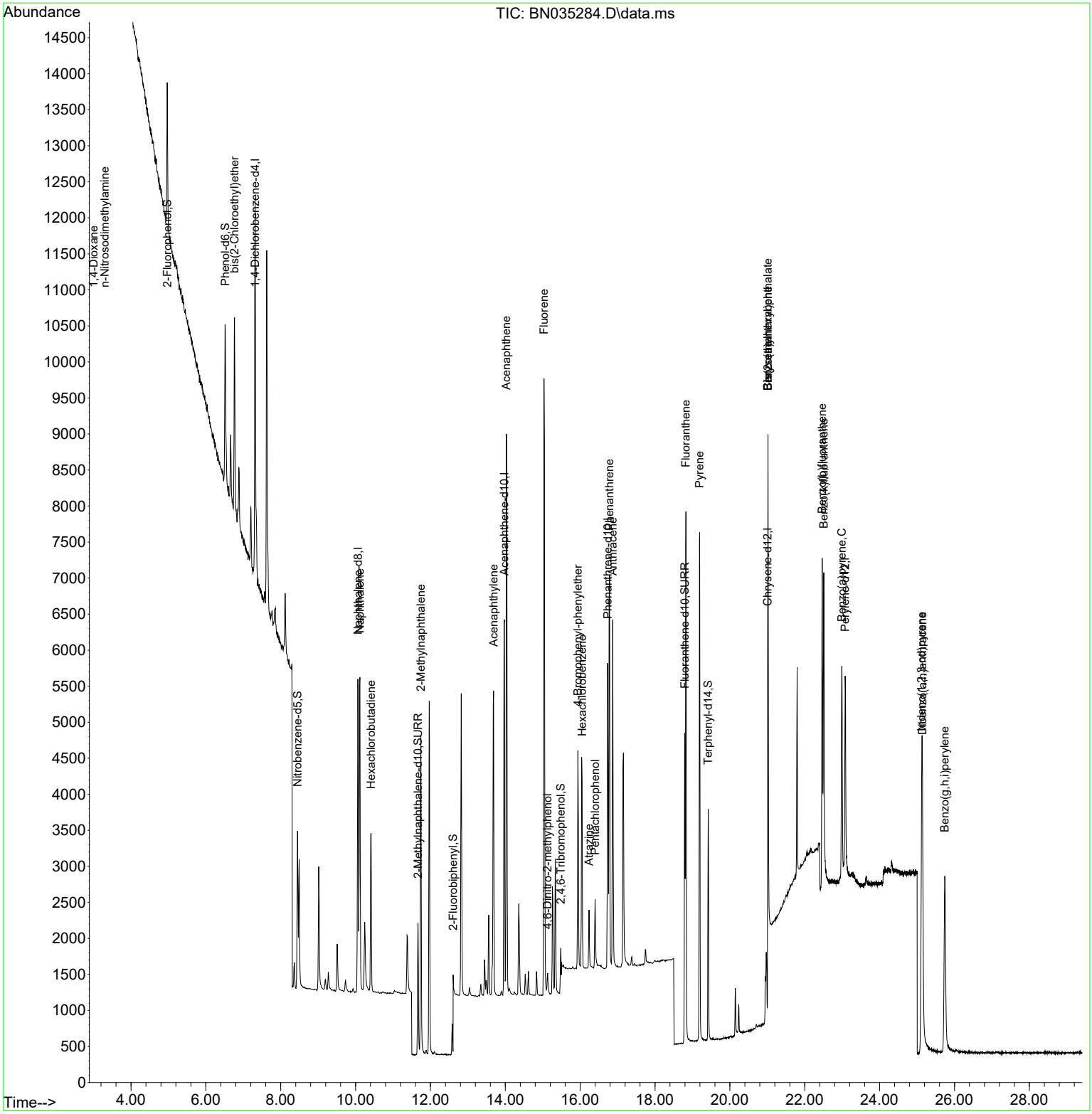
(#) = qualifier out of range (m) = manual integration (+) = signals summed

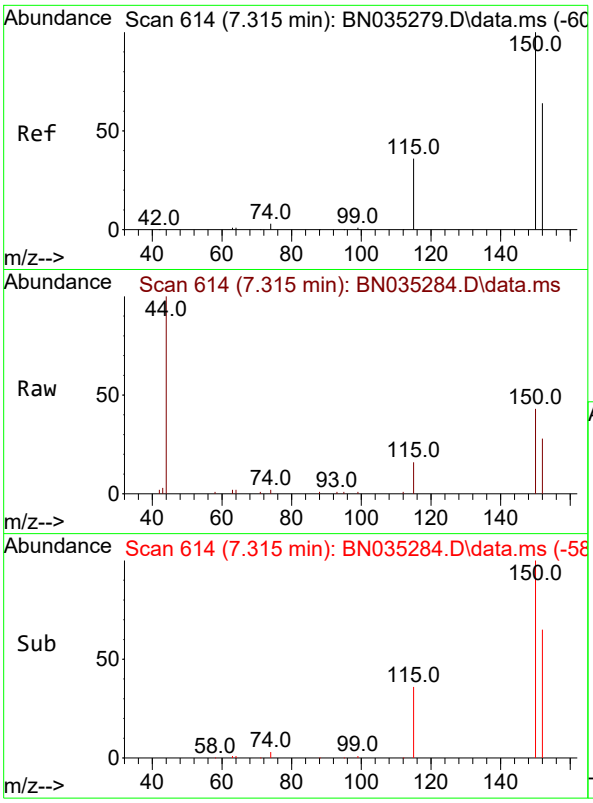
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035284.D
Acq On : 25 Nov 2024 14:29
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Quant Time: Nov 25 22:35:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration



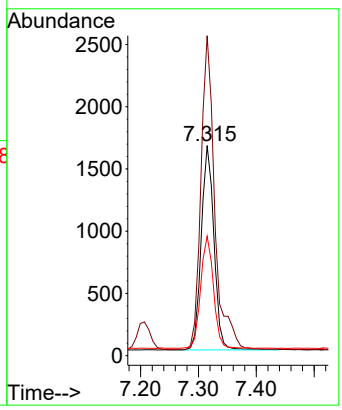


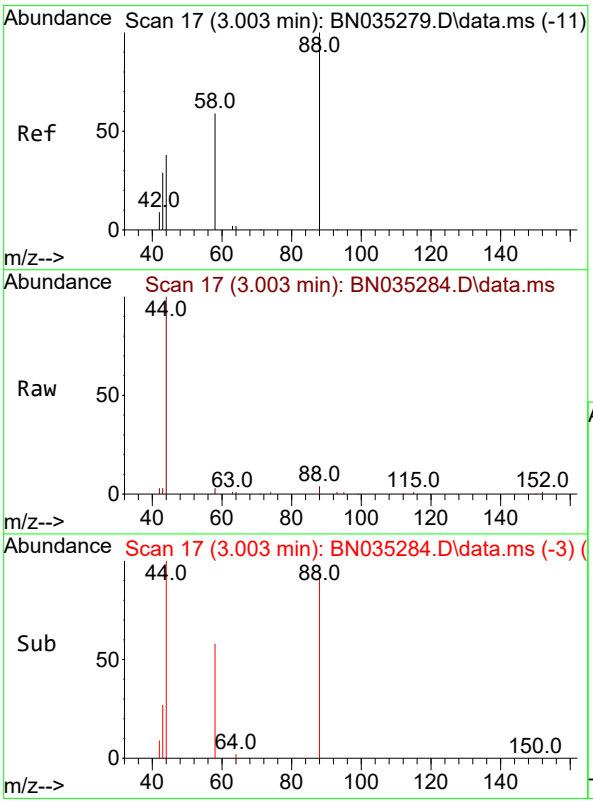
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:152 Resp: 2519

Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.5	186.7
115	56.9	47.8	71.8

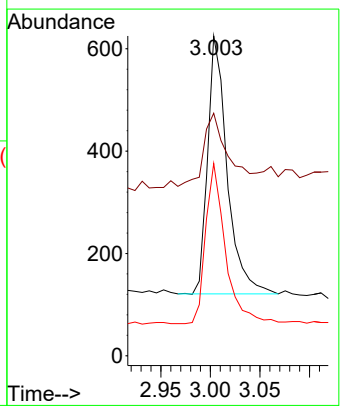


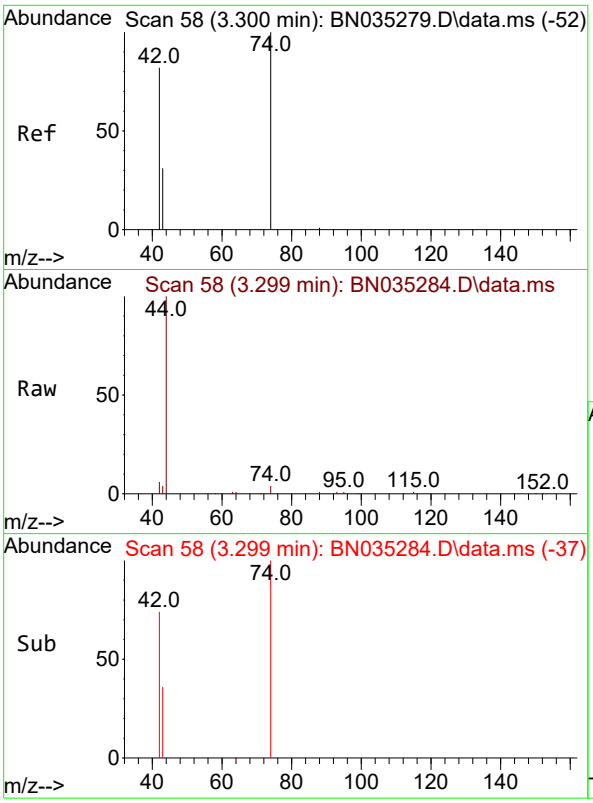


#2
1,4-Dioxane
Concen: 0.381 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion: 88 Resp: 689

Ion	Ratio	Lower	Upper
88	100		
43	38.3	48.1	72.1#
58	62.8	46.9	70.3



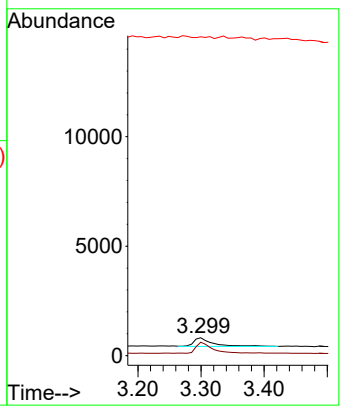


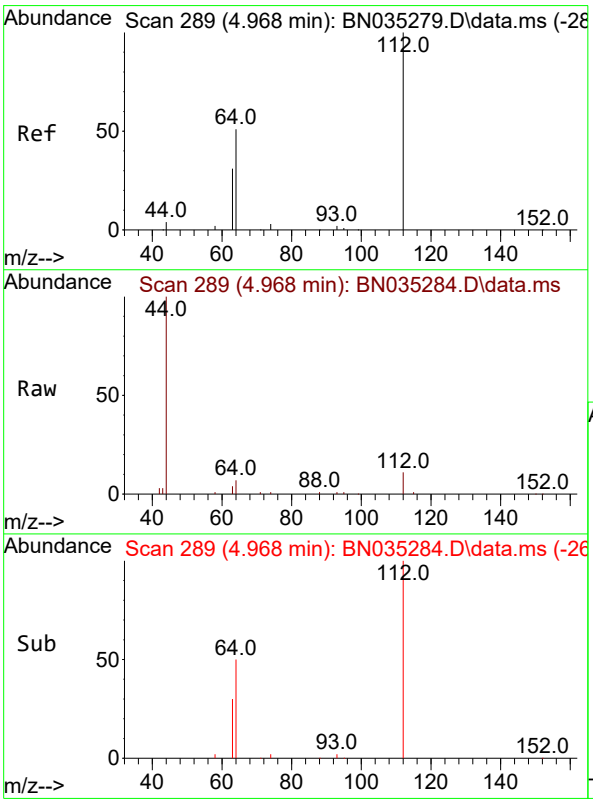
#3
n-Nitrosodimethylamine
Concen: 0.431 ng
RT: 3.299 min Scan# 5
Delta R.T. -0.001 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion: 42 Resp: 809

Ion	Ratio	Lower	Upper
42	100		
74	116.4	102.7	154.1
44	0.0	34.1	51.1#

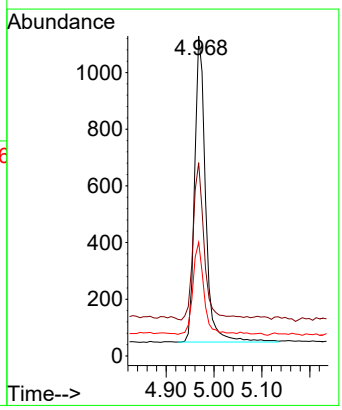


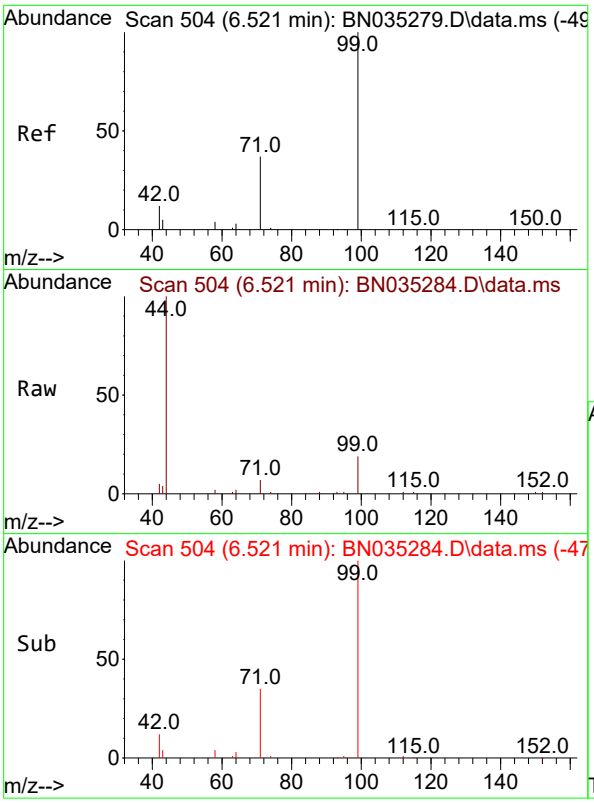


#4
2-Fluorophenol
Concen: 0.360 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:112 Resp: 1712

Ion	Ratio	Lower	Upper
112	100		
64	53.3	40.4	60.6
63	29.8	23.8	35.8



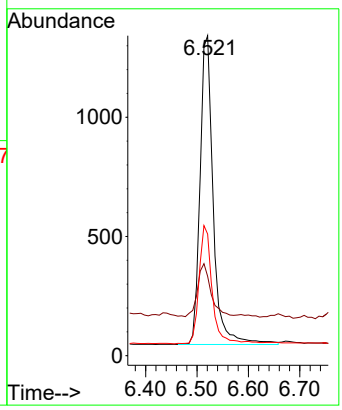


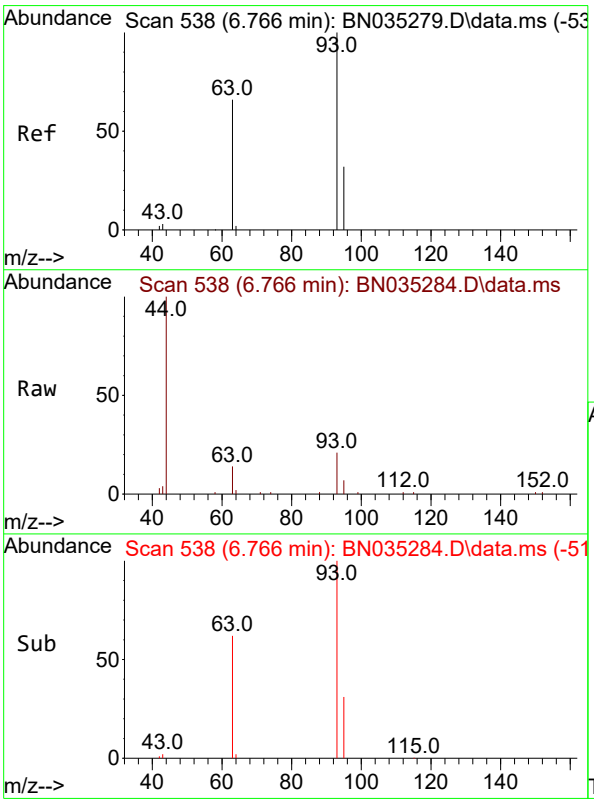
#5
Phenol-d6
Concen: 0.348 ng
RT: 6.521 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion: 99 Resp: 2314

Ion	Ratio	Lower	Upper
99	100		
42	17.3	12.8	19.2
71	38.1	31.4	47.2

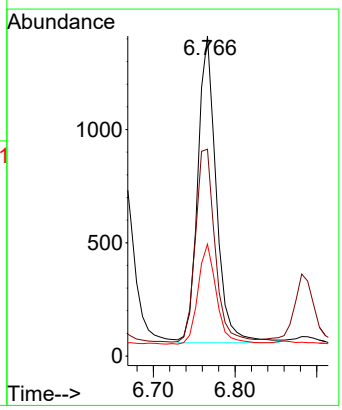


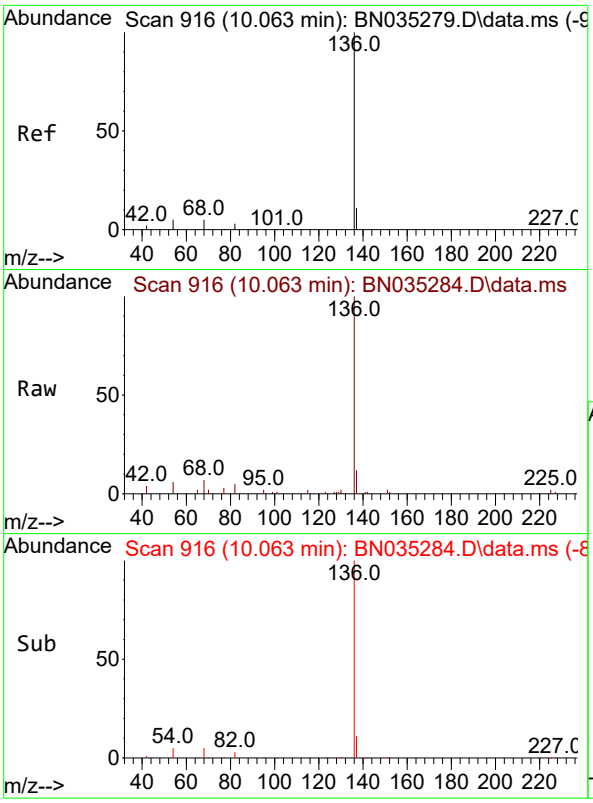


#6
bis(2-Chloroethyl)ether
Concen: 0.381 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion: 93 Resp: 2132

Ion	Ratio	Lower	Upper
93	100		
63	66.4	52.3	78.5
95	32.6	25.5	38.3



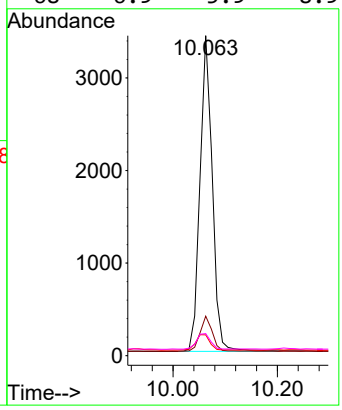


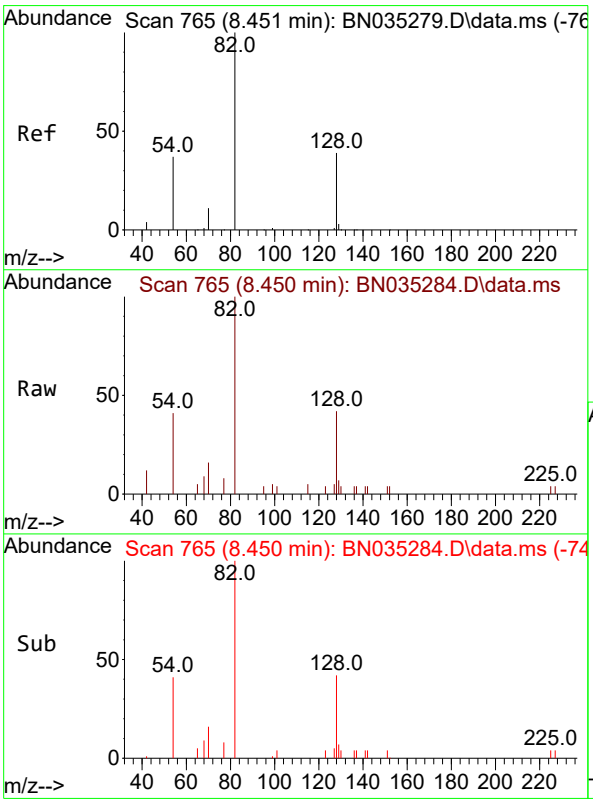
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:136 Resp: 5593

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.7	14.5
54	6.5	5.3	7.9
68	6.9	5.9	8.9

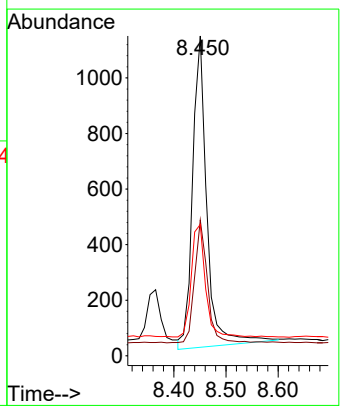


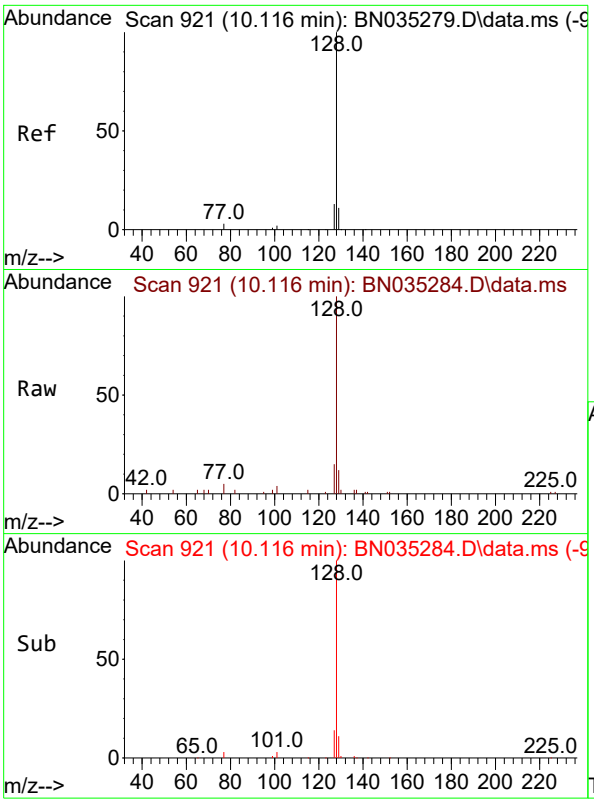


#8
Nitrobenzene-d5
Concen: 0.469 ng
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion: 82 Resp: 2129

Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.0	49.4
54	41.1	33.3	49.9



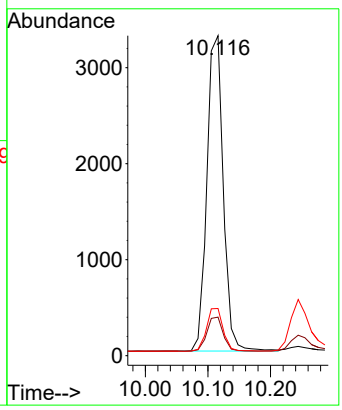


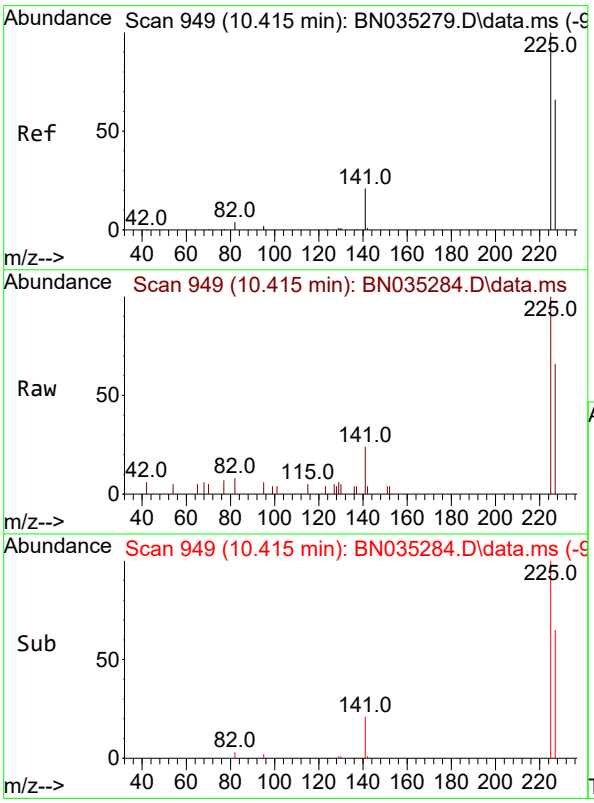
#9
Naphthalene
Concen: 0.385 ng
RT: 10.116 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:128 Resp: 5975

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.6	14.4
127	14.8	11.3	16.9

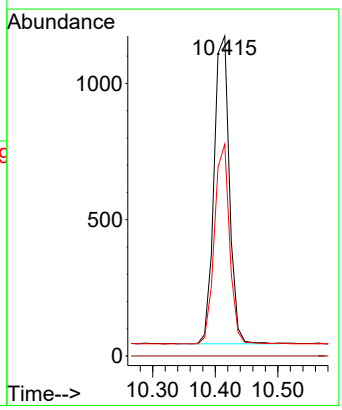


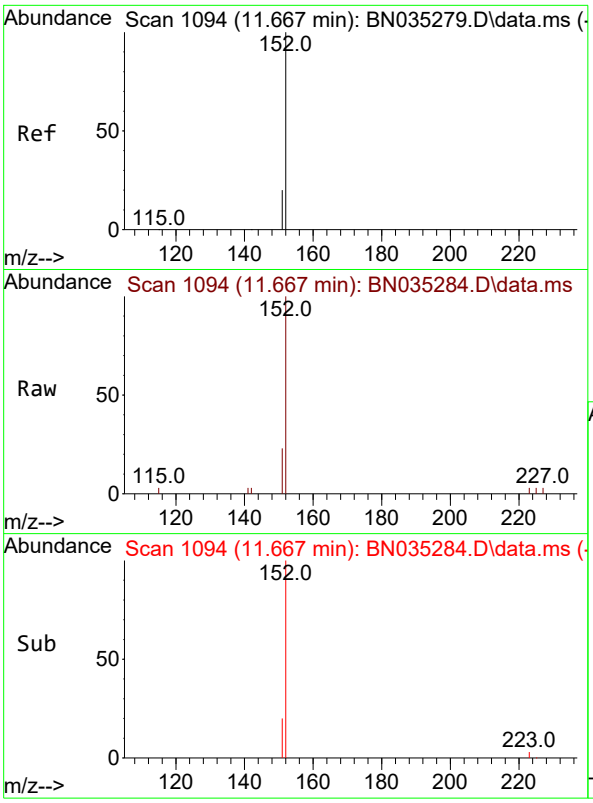


#10
Hexachlorobutadiene
Concen: 0.442 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:225 Resp: 1929

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.3	76.9



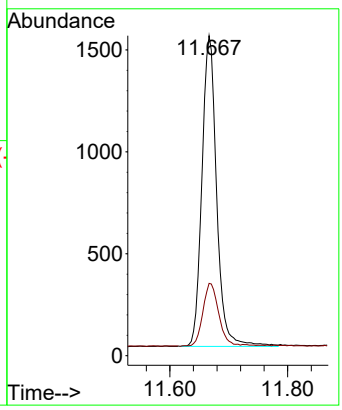


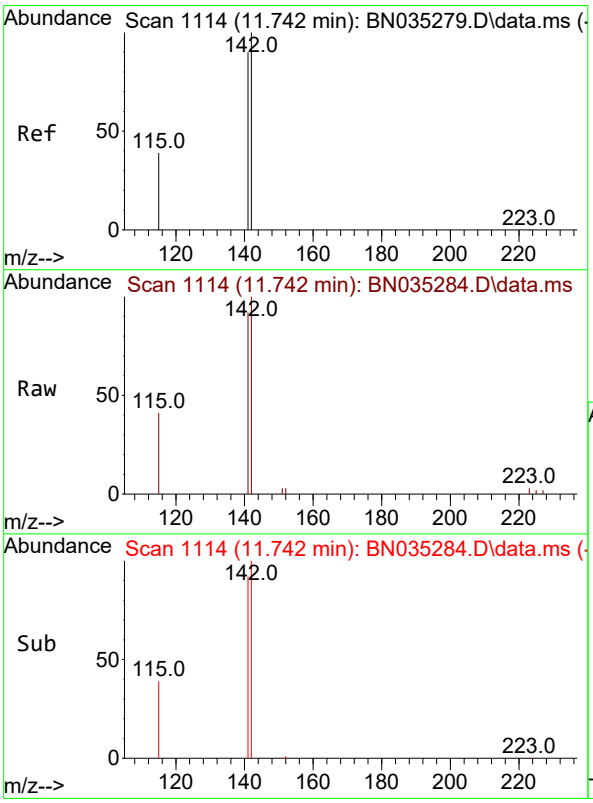
#11
2-Methylnaphthalene-d10
Concen: 0.337 ng
RT: 11.667 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:152 Resp: 2635

Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.2	25.8

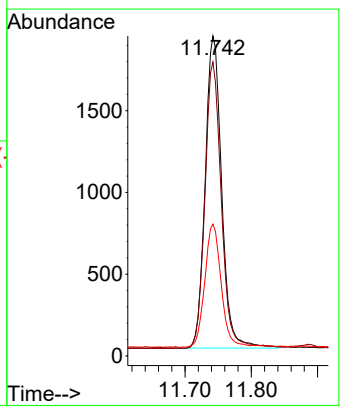


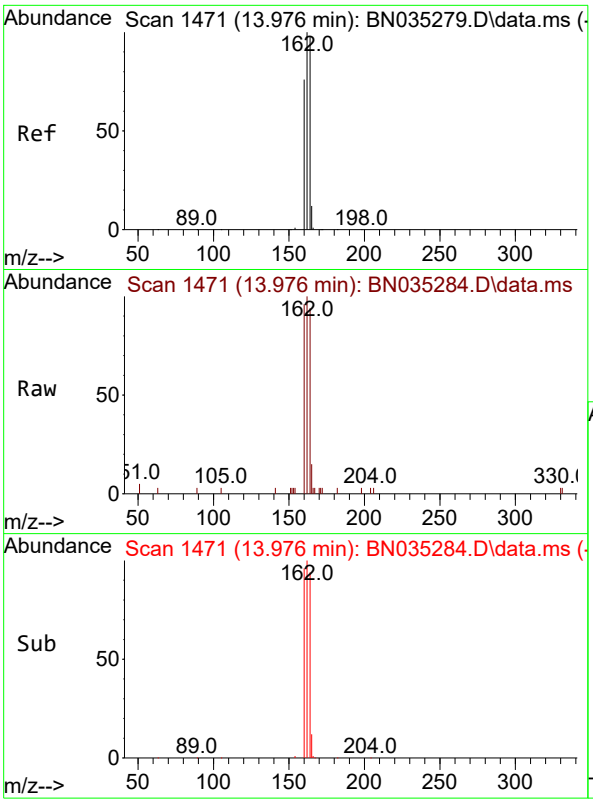


#12
2-Methylnaphthalene
Concen: 0.325 ng
RT: 11.742 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:142 Resp: 3297

Ion	Ratio	Lower	Upper
142	100		
141	91.9	71.8	107.8
115	41.2	32.6	49.0



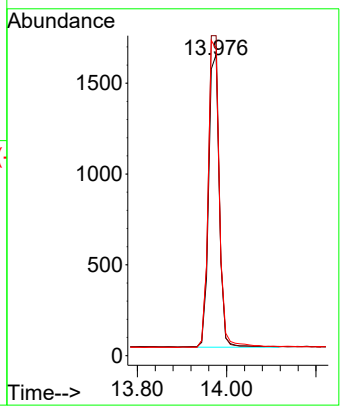


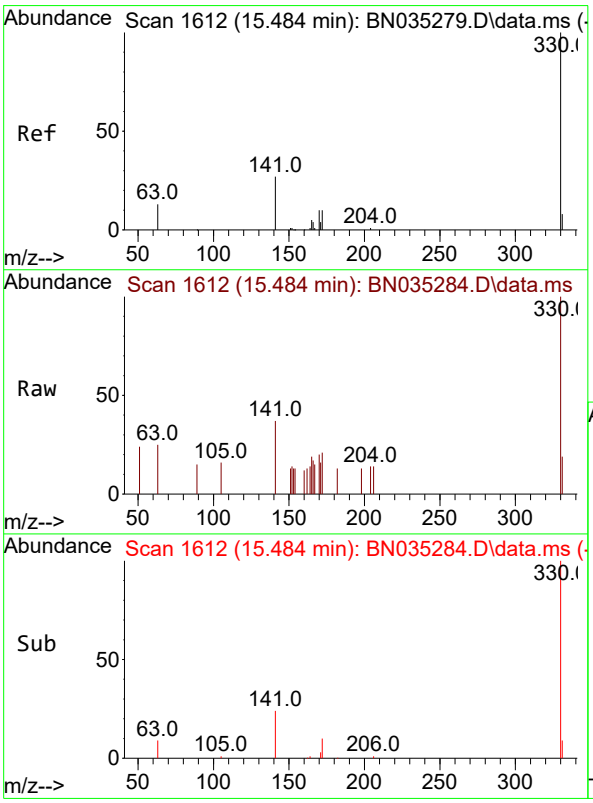
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:164 Resp: 2659

Ion	Ratio	Lower	Upper
164	100		
162	106.3	82.0	123.0
160	101.9	63.0	94.4#

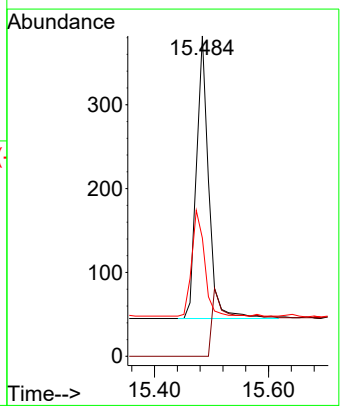


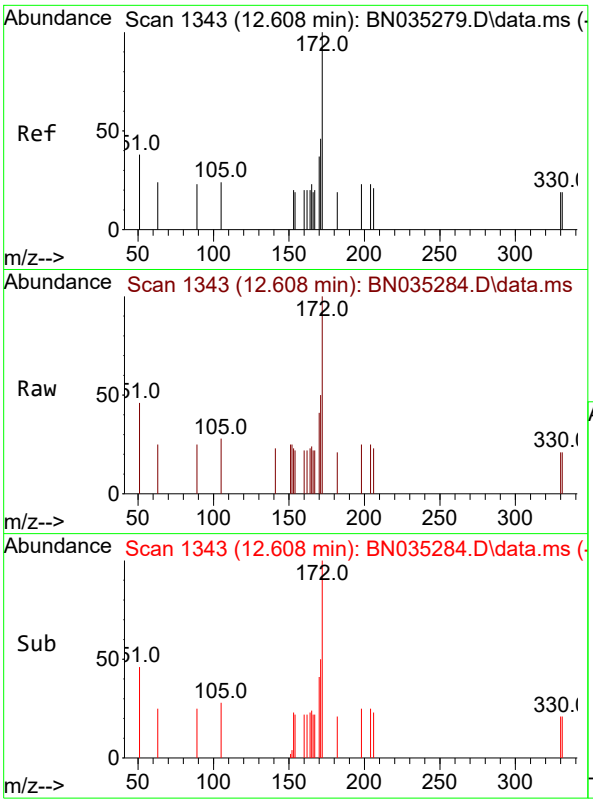


#14
2,4,6-Tribromophenol
Concen: 0.402 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:330 Resp: 546

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.7	32.4	48.6



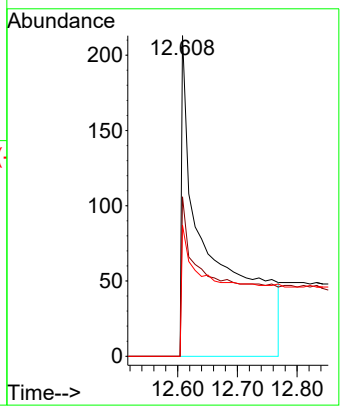


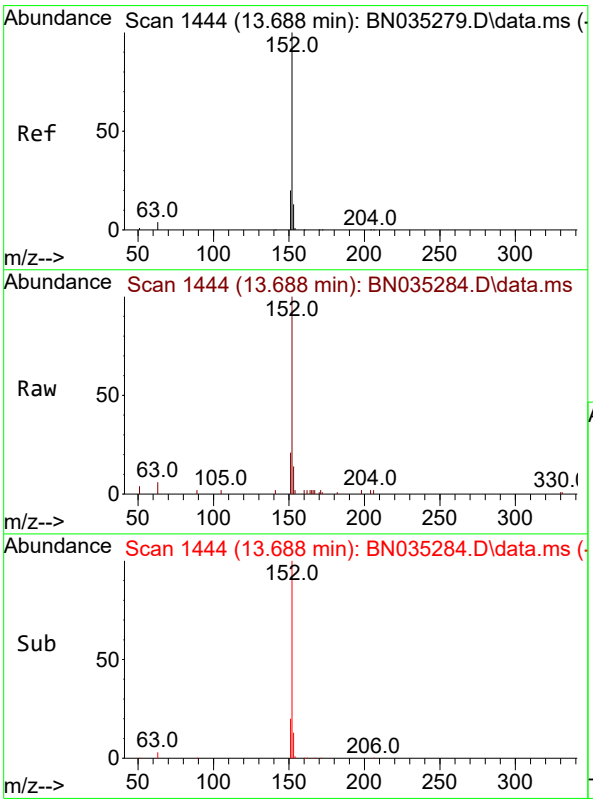
#15
2-Fluorobiphenyl
Concen: 0.465 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:172 Resp: 683

Ion	Ratio	Lower	Upper
172	100		
171	49.8	36.6	55.0
170	40.8	29.7	44.5

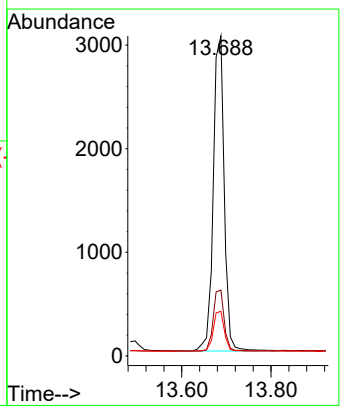


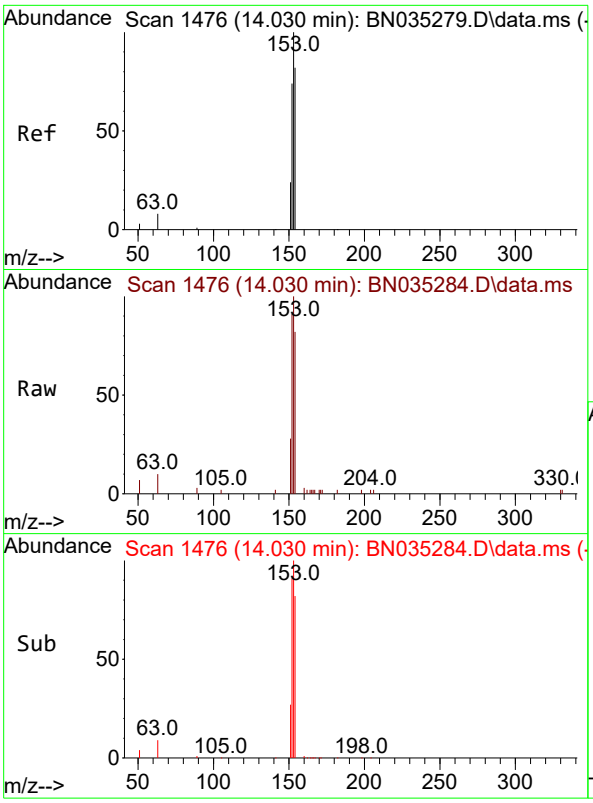


#16
Acenaphthylene
Concen: 0.387 ng
RT: 13.688 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:152 Resp: 5175

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.9	23.9
153	12.9	10.2	15.4



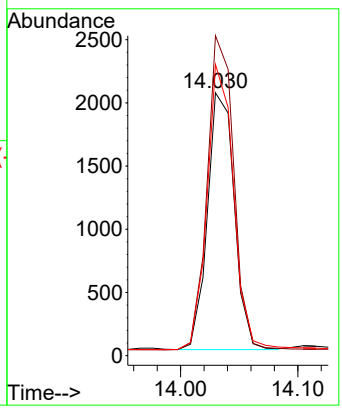


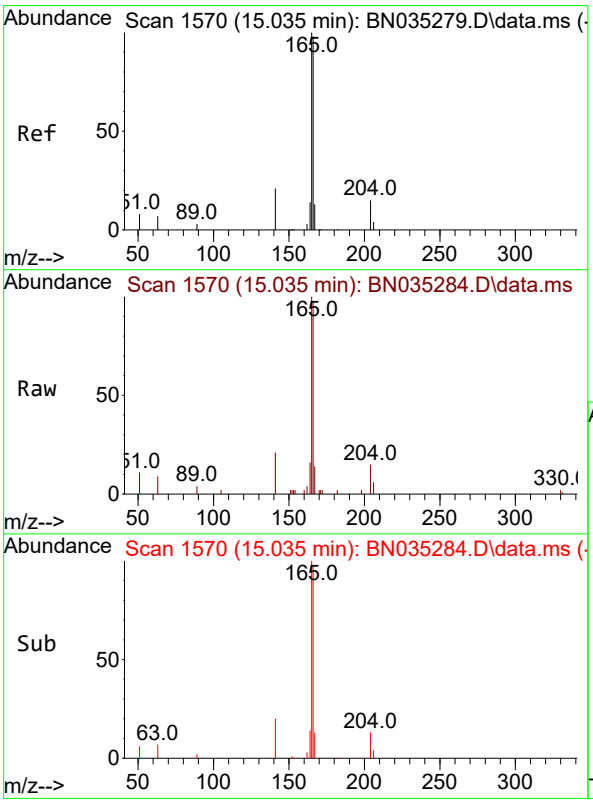
#17
Acenaphthene
Concen: 0.383 ng
RT: 14.030 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:154 Resp: 3227

Ion	Ratio	Lower	Upper
154	100		
153	121.8	96.1	144.1
152	111.1	72.2	108.2#

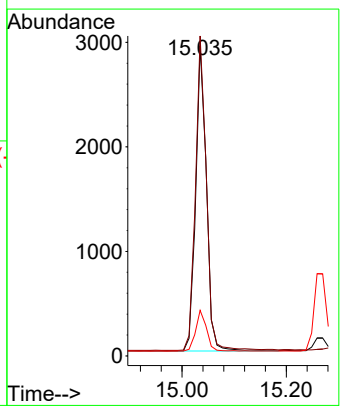


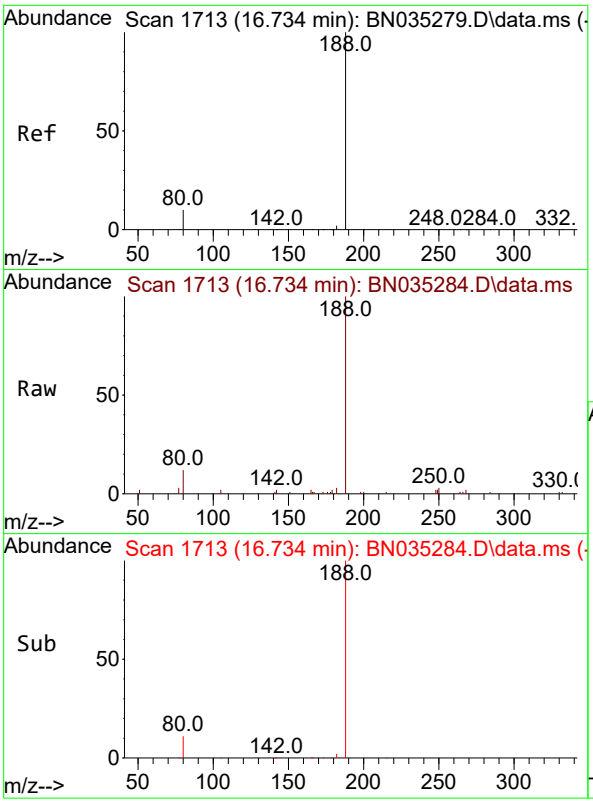


#18
Fluorene
Concen: 0.355 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:166 Resp: 4194

Ion	Ratio	Lower	Upper
166	100		
165	104.2	81.2	121.8
167	13.7	10.5	15.7



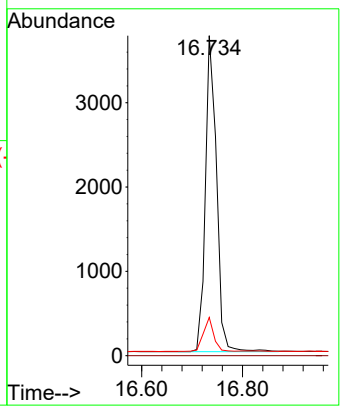


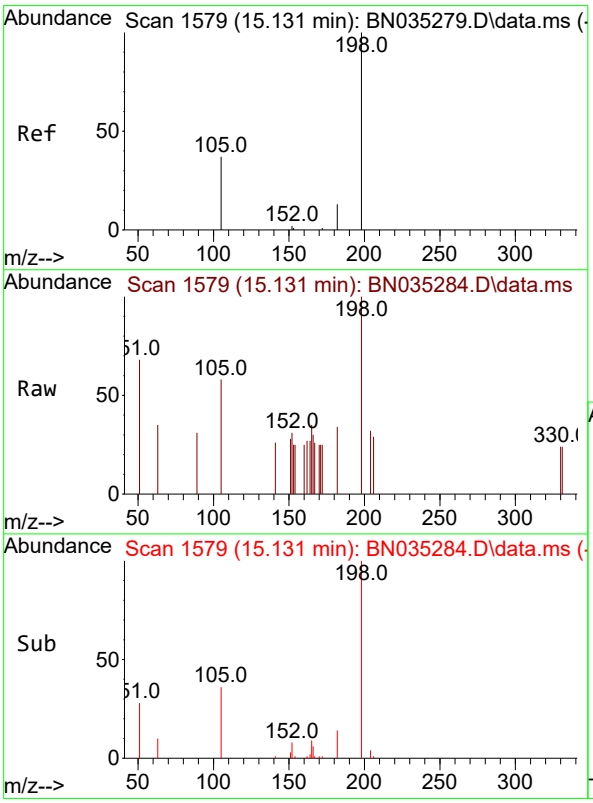
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:188 Resp: 5748

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.9	8.9	13.3

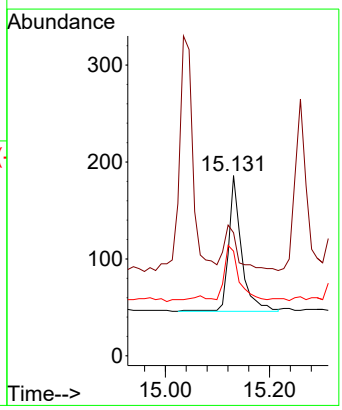


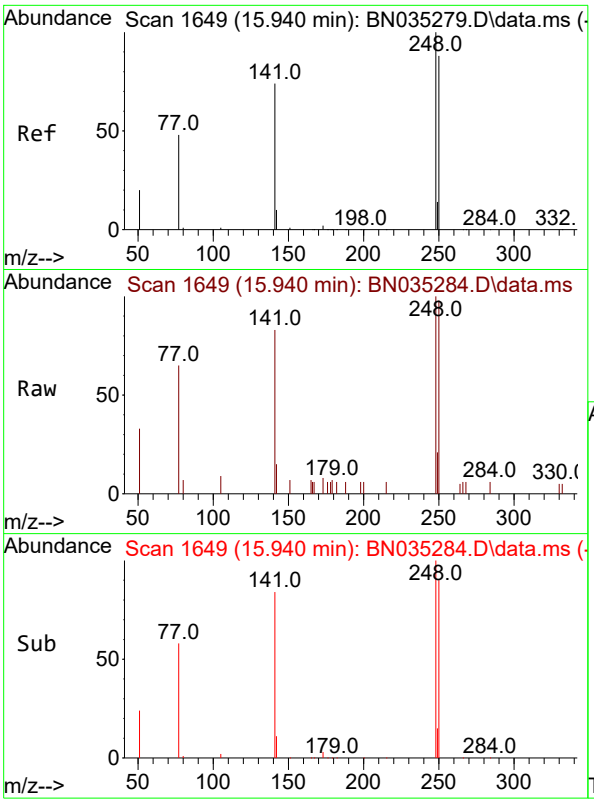


#20
4,6-Dinitro-2-methylphenol
Concen: 0.477 ng
RT: 15.131 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:198 Resp: 239

Ion	Ratio	Lower	Upper
198	100		
51	68.3	53.6	80.4
105	58.1	47.4	71.2



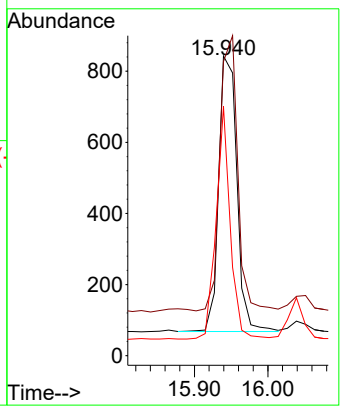


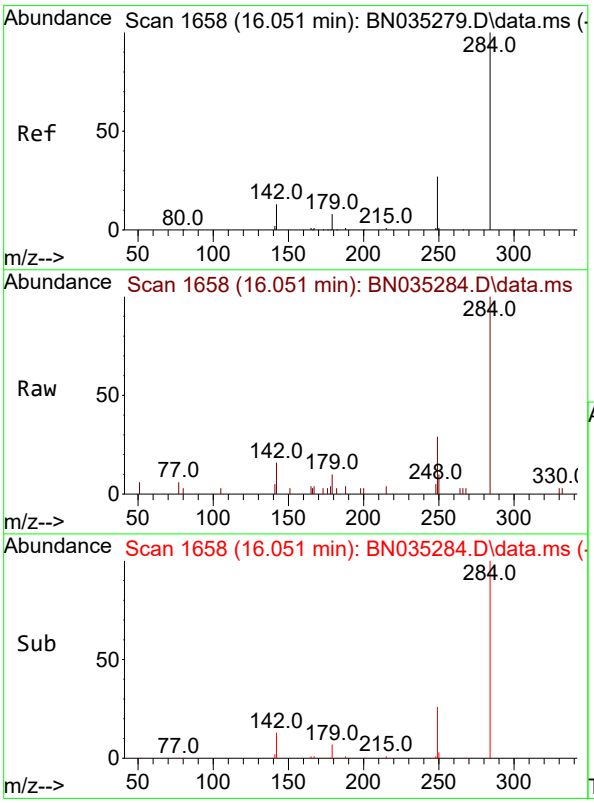
#21
4-Bromophenyl-phenylether
Concen: 0.364 ng
RT: 15.940 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:248 Resp: 1328

Ion	Ratio	Lower	Upper
248	100		
250	98.1	74.8	112.2
141	83.2	59.0	88.4

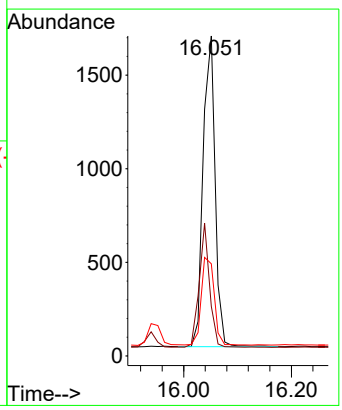


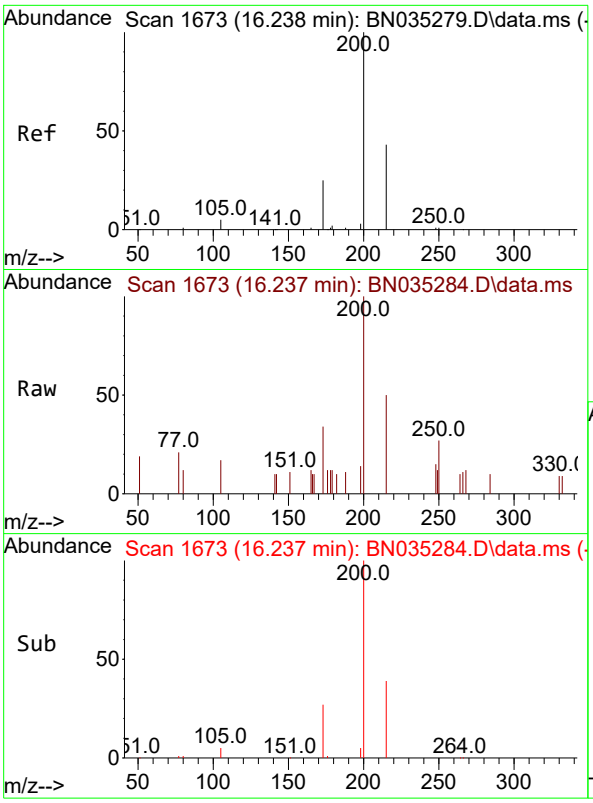


#22
Hexachlorobenzene
Concen: 0.491 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:284 Resp: 2564

Ion	Ratio	Lower	Upper
284	100		
142	35.1	28.7	43.1
249	30.5	25.4	38.0



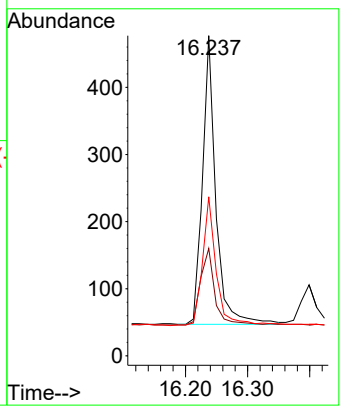


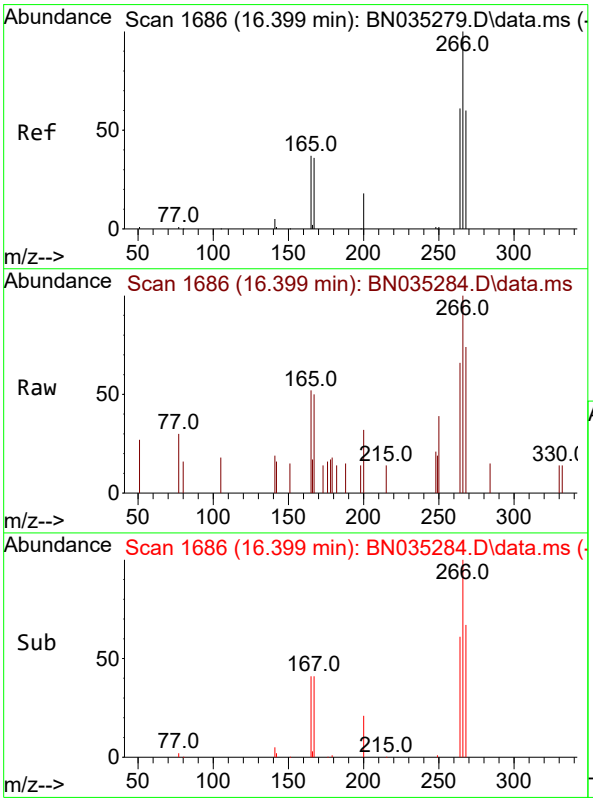
#23
Atrazine
Concen: 0.419 ng
RT: 16.237 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:200 Resp: 643

Ion	Ratio	Lower	Upper
200	100		
173	33.5	25.8	38.8
215	49.7	38.6	58.0

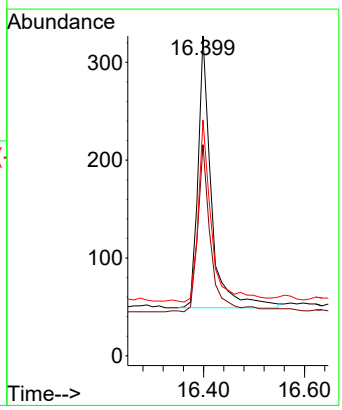


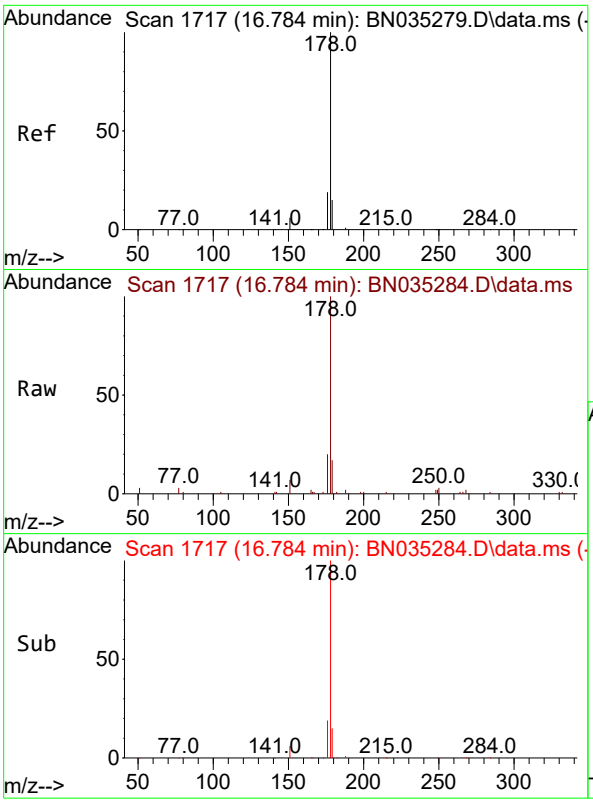


#24
Pentachlorophenol
Concen: 0.407 ng
RT: 16.399 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:266 Resp: 510

Ion	Ratio	Lower	Upper
266	100		
264	59.8	49.3	73.9
268	66.9	48.6	73.0



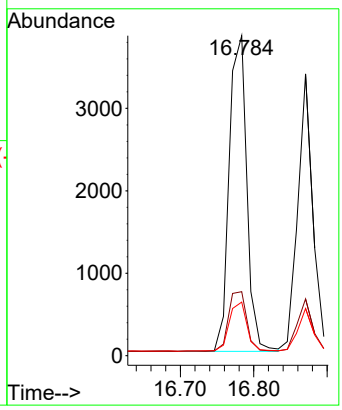


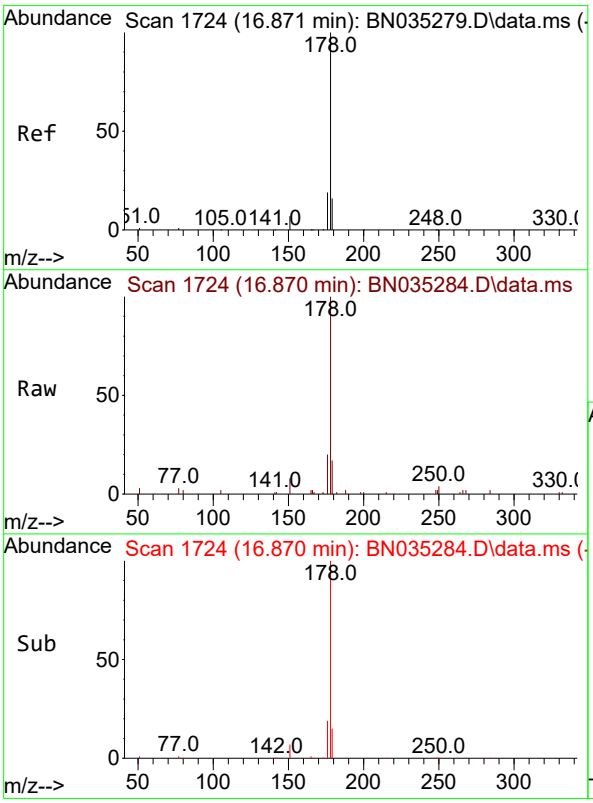
#25
Phenanthrene
Concen: 0.362 ng
RT: 16.784 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:178 Resp: 6385

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.8	12.6	18.8

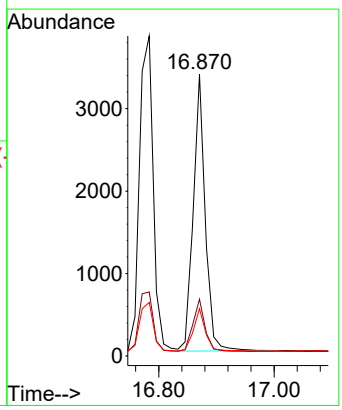


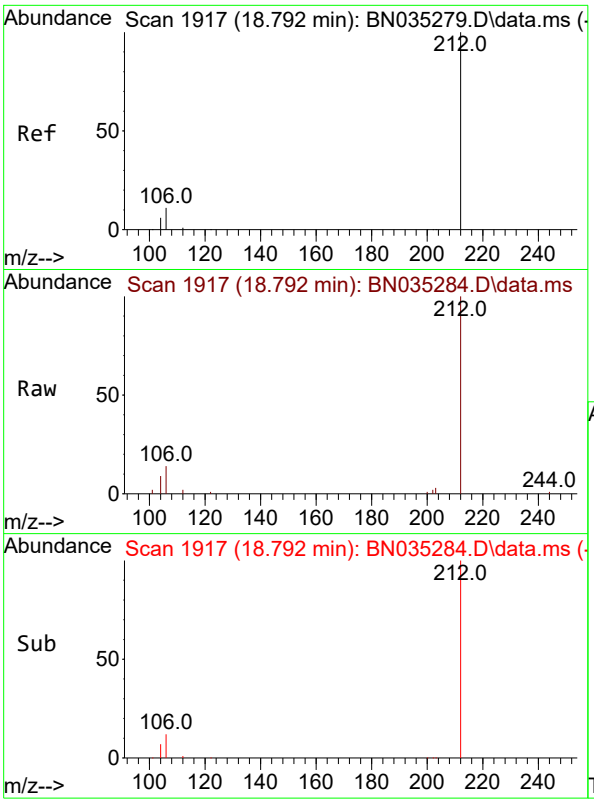


#26
Anthracene
Concen: 0.320 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:178 Resp: 4852

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.4
179	15.5	12.4	18.6



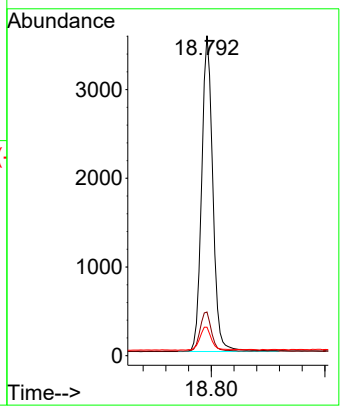


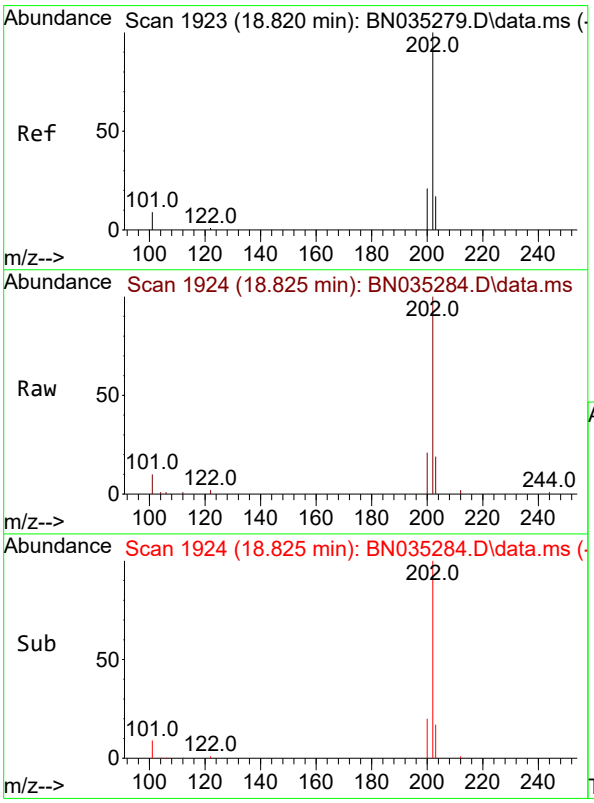
#27
Fluoranthene-d10
Concen: 0.317 ng
RT: 18.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:212 Resp: 4874

Ion	Ratio	Lower	Upper
212	100		
106	12.7	9.8	14.8
104	7.9	5.6	8.4

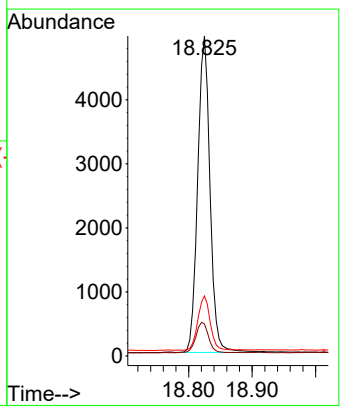


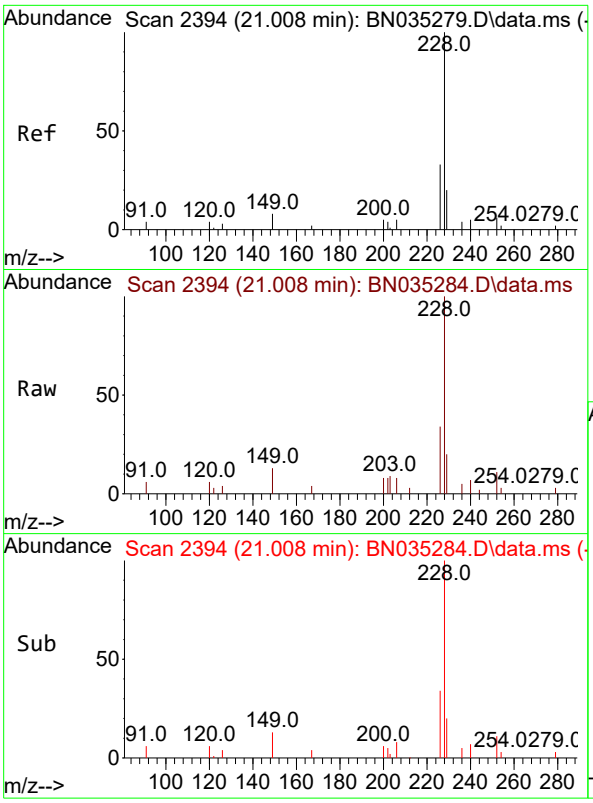


#28
Fluoranthene
Concen: 0.300 ng
RT: 18.825 min Scan# 1924
Delta R.T. 0.005 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:202 Resp: 6686

Ion	Ratio	Lower	Upper
202	100		
101	9.8	7.6	11.4
203	17.1	13.8	20.8



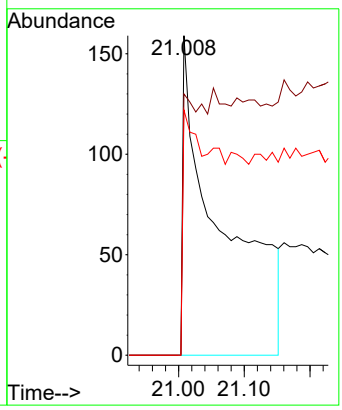


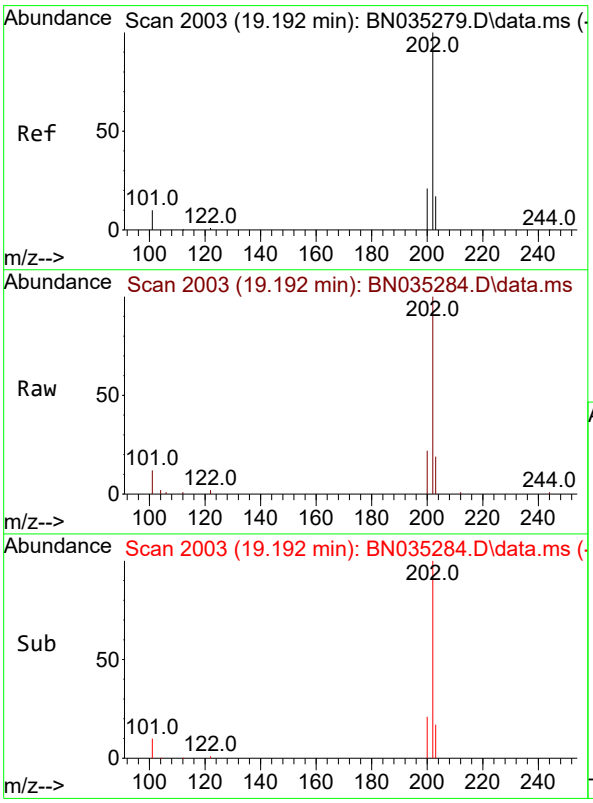
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:240 Resp: 611

Ion	Ratio	Lower	Upper
240	100		
120	81.8	54.9	82.3
236	76.7	54.0	81.0

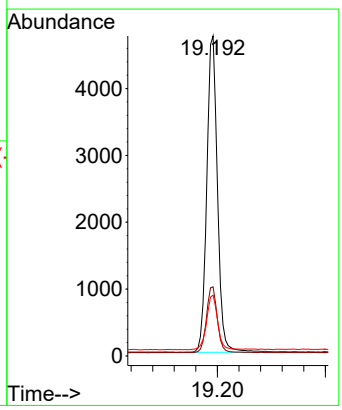


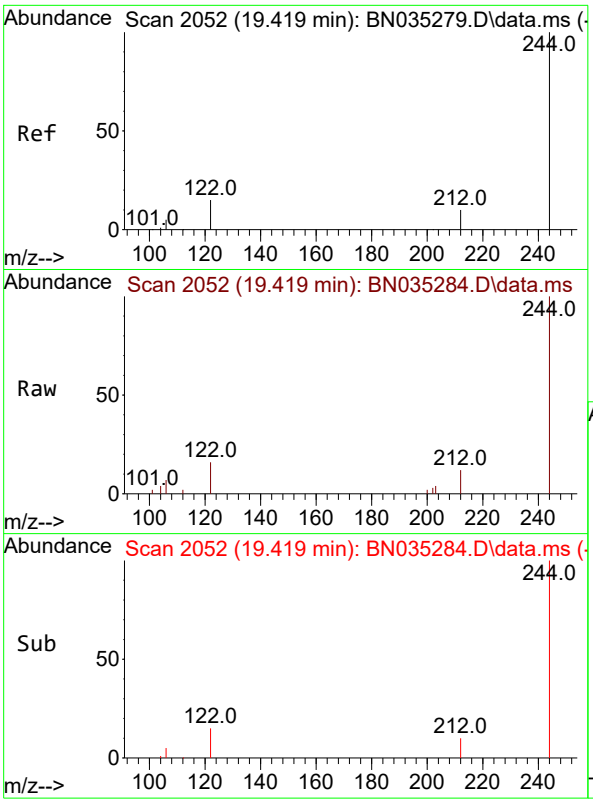


#30
Pyrene
Concen: 0.294 ng
RT: 19.192 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:202 Resp: 6525

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.9	14.4	21.6



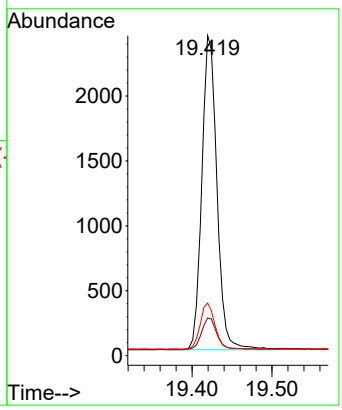


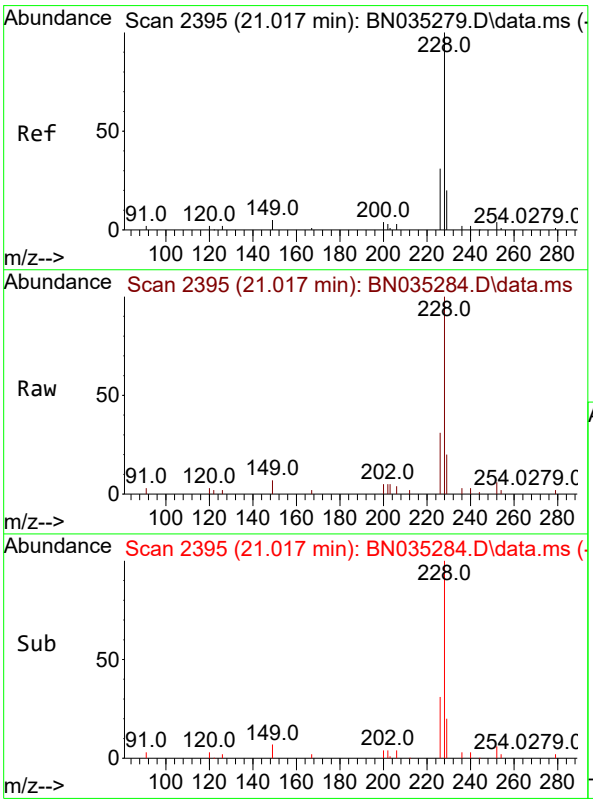
#31
Terphenyl-d14
Concen: 0.282 ng
RT: 19.419 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:244 Resp: 3187

Ion	Ratio	Lower	Upper
244	100		
212	11.8	9.4	14.0
122	16.4	13.0	19.4

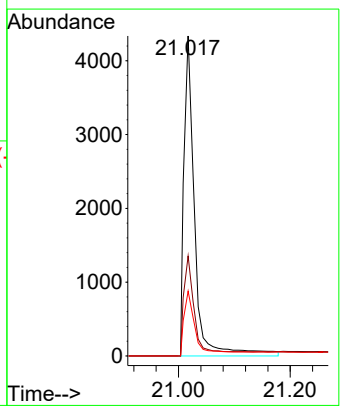


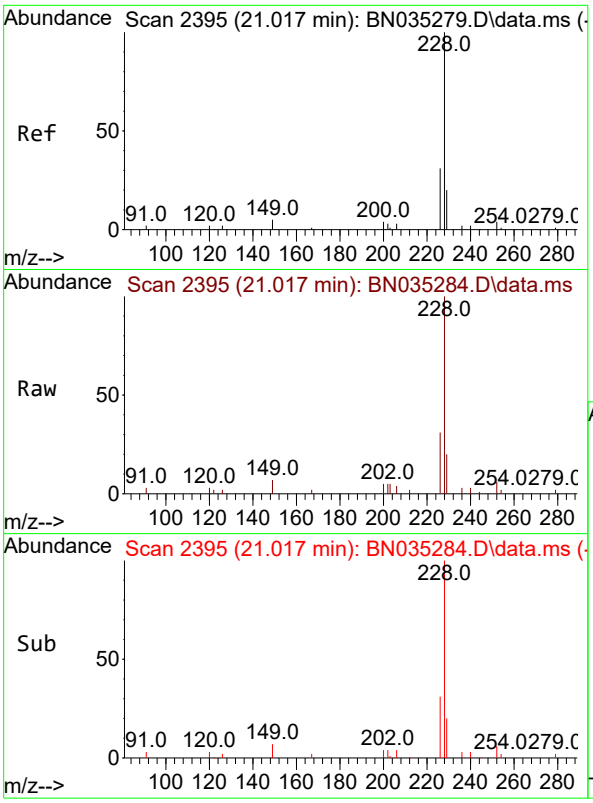


#32
Benzo(a)anthracene
Concen: 0.273 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:228 Resp: 5799

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.7	37.1
229	20.3	16.2	24.2



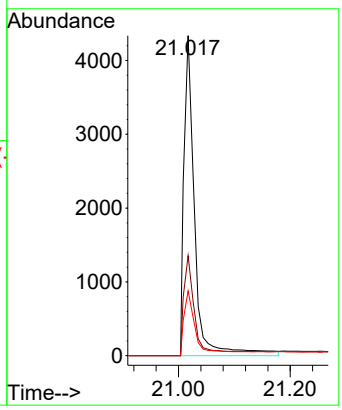


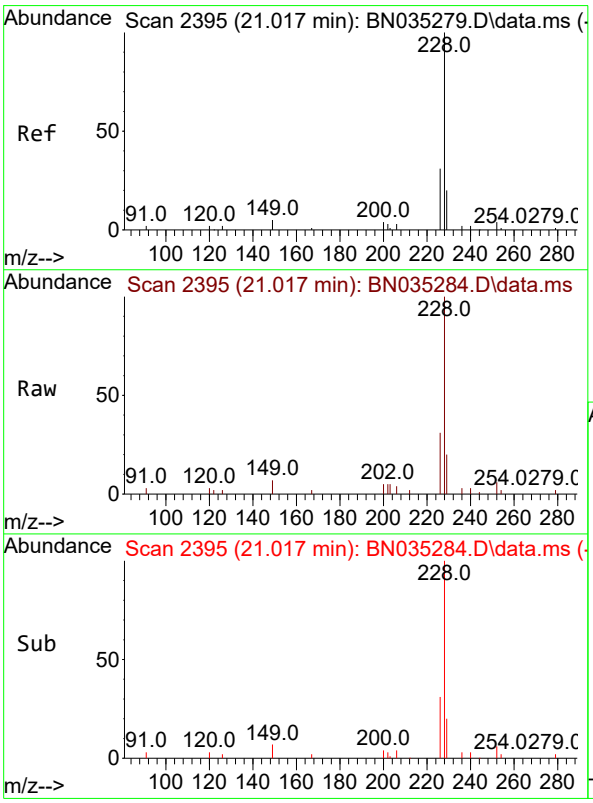
#33
Chrysene
Concen: 0.273 ng
RT: 21.017 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:228 Resp: 5799

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.7	37.1
229	20.3	16.2	24.2

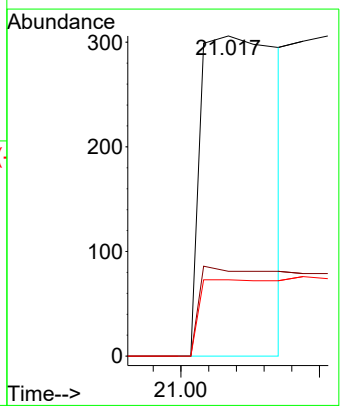


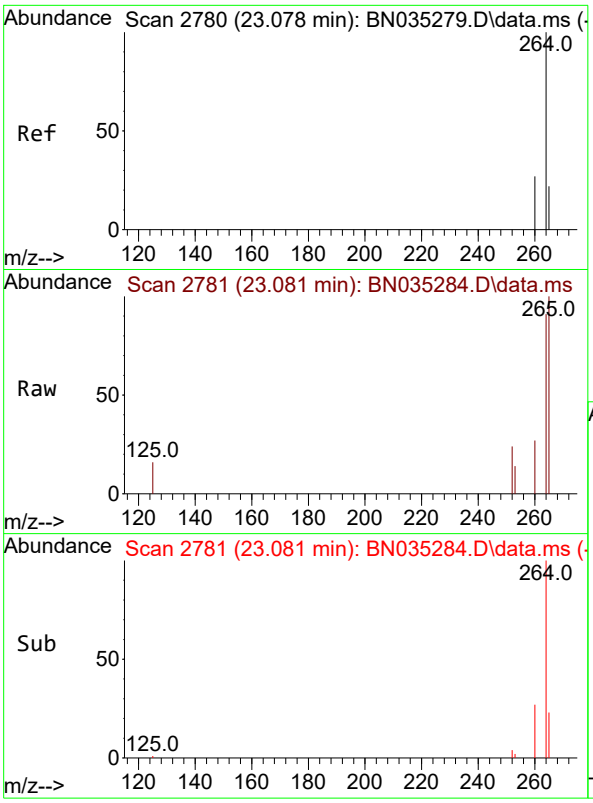


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.041 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:149 Resp: 520

Ion	Ratio	Lower	Upper
149	100		
167	35.4	0.0	0.0#
279	17.1	13.0	19.6



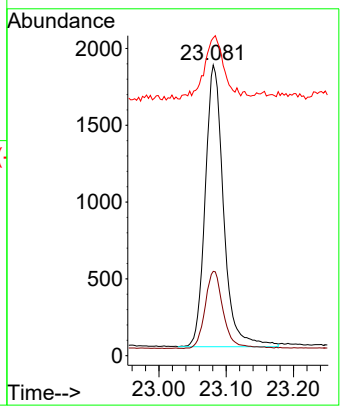


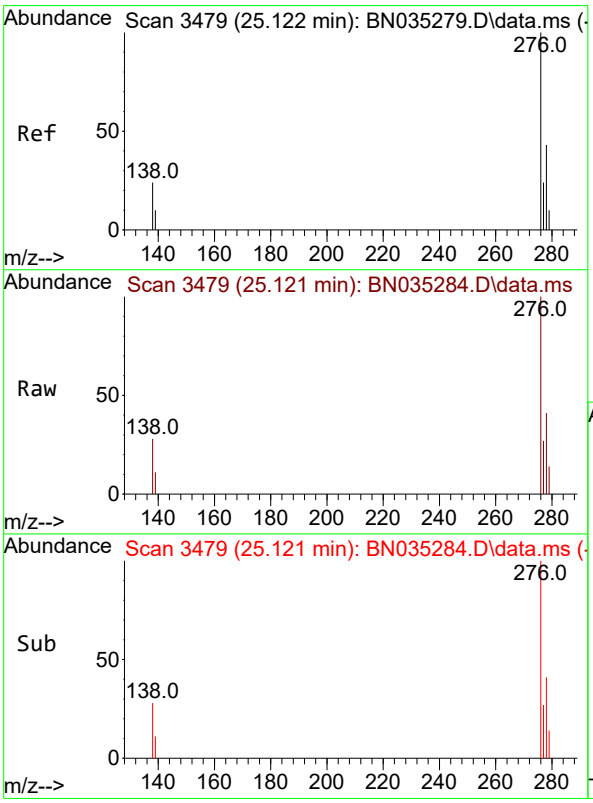
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.081 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:264 Resp: 3470

Ion	Ratio	Lower	Upper
264	100		
260	29.0	22.3	33.5
265	109.3	68.6	103.0#

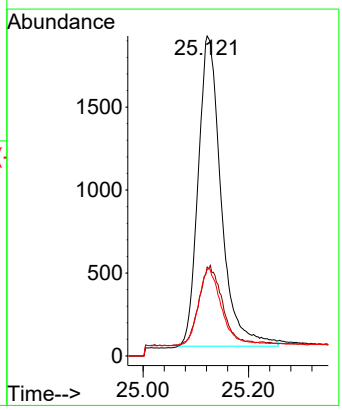


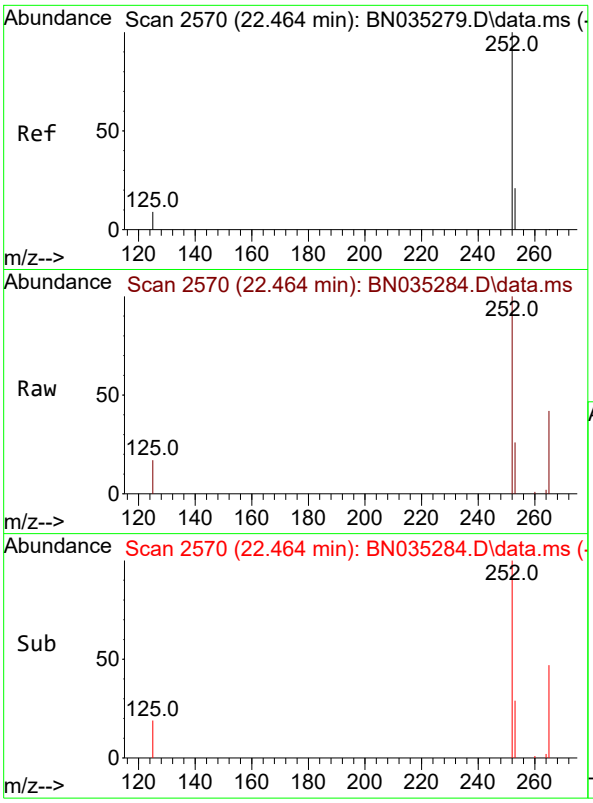


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.398 ng
RT: 25.121 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:276 Resp: 5652

Ion	Ratio	Lower	Upper
276	100		
138	23.1	18.8	28.2
277	23.0	18.2	27.4



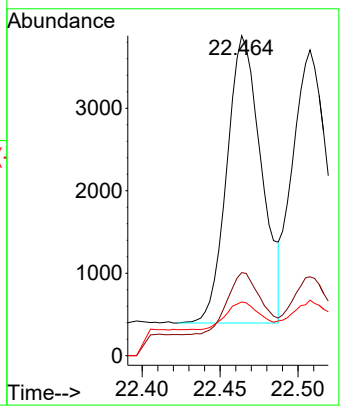


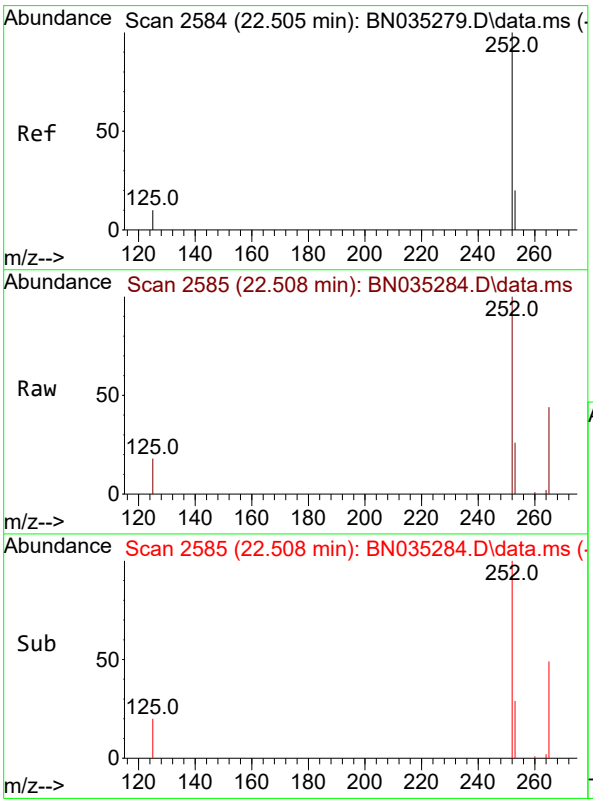
#37
Benzo(b)fluoranthene
Concen: 0.355 ng
RT: 22.464 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:252 Resp: 5358

Ion	Ratio	Lower	Upper
252	100		
253	26.0	20.2	30.2
125	16.8	12.0	18.0

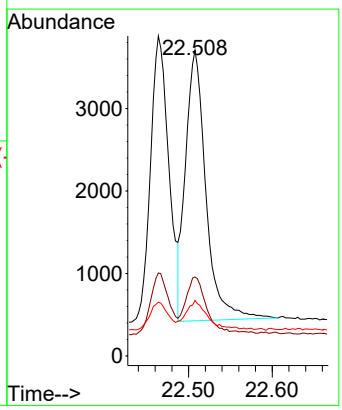


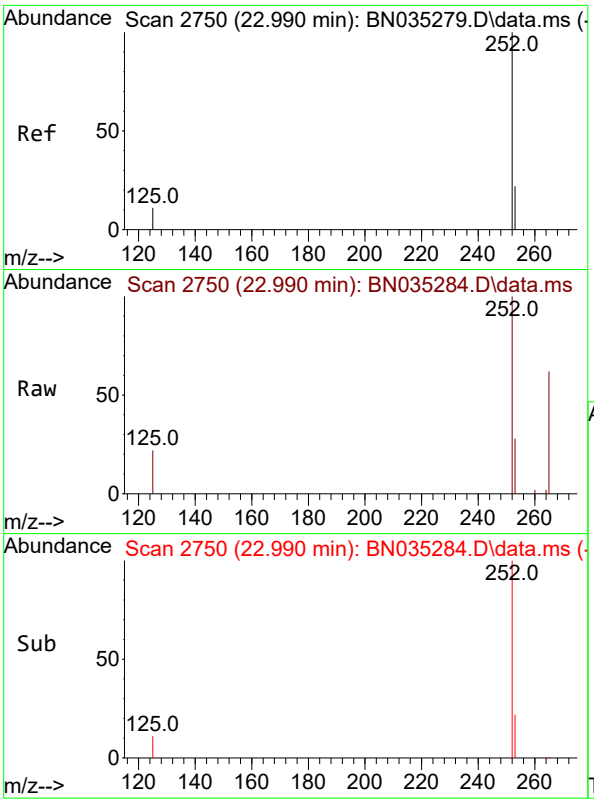


#38
Benzo(k)fluoranthene
Concen: 0.348 ng
RT: 22.508 min Scan# 2585
Delta R.T. 0.003 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:252 Resp: 5559

Ion	Ratio	Lower	Upper
252	100		
253	25.8	20.1	30.1
125	18.1	12.7	19.1



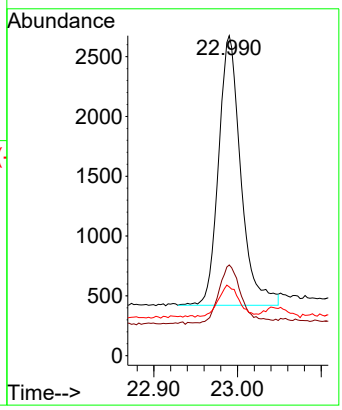


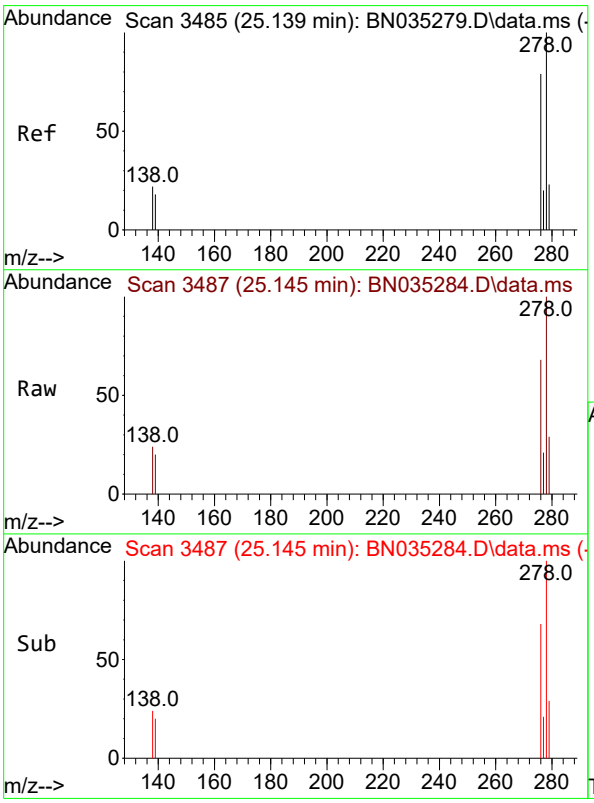
#39
Benzo(a)pyrene
Concen: 0.361 ng
RT: 22.990 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:252 Resp: 4167

Ion	Ratio	Lower	Upper
252	100		
253	28.3	22.3	33.5
125	21.5	15.3	22.9

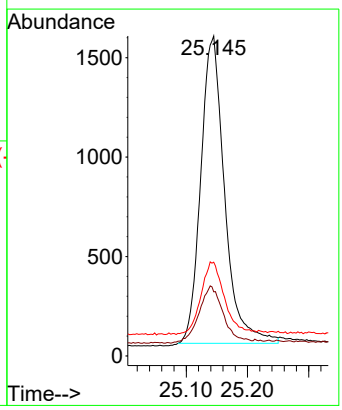


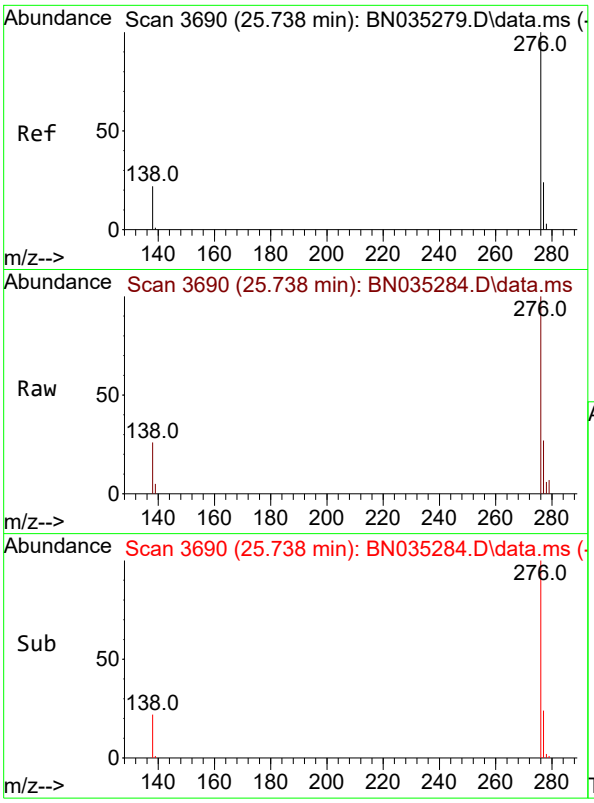


#40
Dibenzo(a,h)anthracene
Concen: 0.389 ng
RT: 25.145 min Scan# 3487
Delta R.T. 0.006 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Tgt Ion:278 Resp: 4182

Ion	Ratio	Lower	Upper
278	100		
139	20.1	17.0	25.6
279	29.3	23.0	34.4



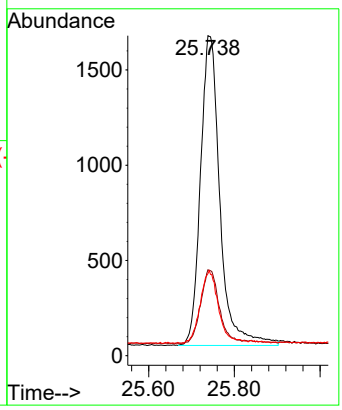


#41
Benzo(g,h,i)perylene
Concen: 0.412 ng
RT: 25.738 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN035284.D
Acq: 25 Nov 2024 14:29

Instrument :
BNA_N
ClientSampleId :
ICVBN112524

Tgt Ion:276 Resp: 5121

Ion	Ratio	Lower	Upper
276	100		
277	26.8	21.1	31.7
138	25.7	19.8	29.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035285.D
Acq On : 25 Nov 2024 15:44
Operator : RC/JU
Sample : PB165150BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB165150BL

Quant Time: Nov 25 18:32:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration

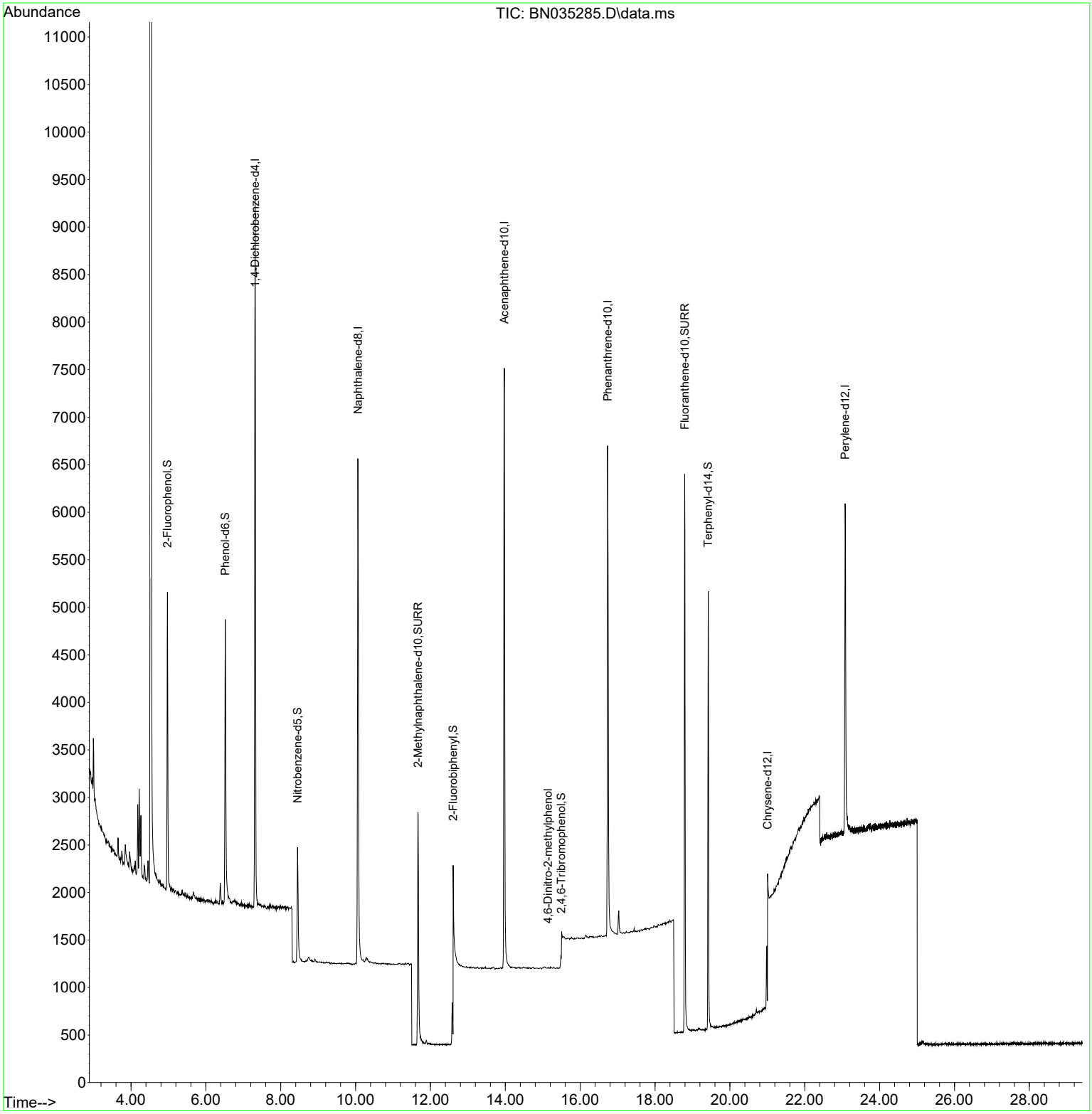
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	3592	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	7815	0.400	ng	0.00
13) Acenaphthene-d10	13.976	164	3951	0.400	ng	0.00
19) Phenanthrene-d10	16.734	188	8151	0.400	ng	0.00
29) Chrysene-d12	21.008	240	804	0.400	ng	# 0.00
35) Perylene-d12	23.081	264	4507	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.975	112	2542	0.375	ng	0.00
5) Phenol-d6	6.520	99	3467	0.366	ng	0.00
8) Nitrobenzene-d5	8.450	82	1413	0.223	ng	0.00
11) 2-Methylnaphthalene-d10	11.667	152	4135	0.378	ng	0.00
14) 2,4,6-Tribromophenol	15.494	330	137	0.068	ng	0.01
15) 2-Fluorobiphenyl	12.608	172	1594	0.730	ng	0.00
27) Fluoranthene-d10	18.792	212	7109	0.326	ng	0.00
31) Terphenyl-d14	19.419	244	4697	0.316	ng	0.00
Target Compounds						Qvalue
20) 4,6-Dinitro-2-methylph...	15.142	198	1	0.191	ng	# 1

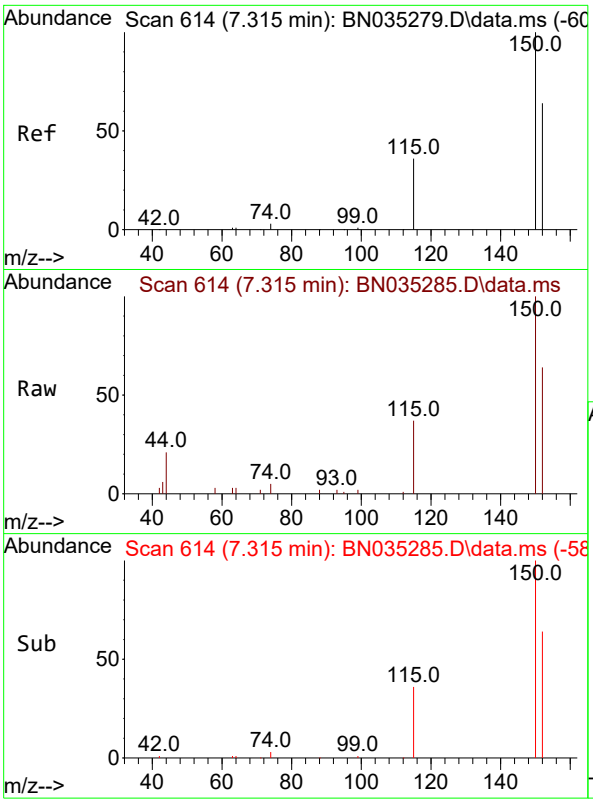
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035285.D
Acq On : 25 Nov 2024 15:44
Operator : RC/JU
Sample : PB165150BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB165150BL

Quant Time: Nov 25 18:32:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration



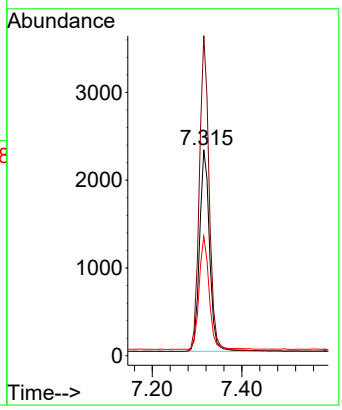


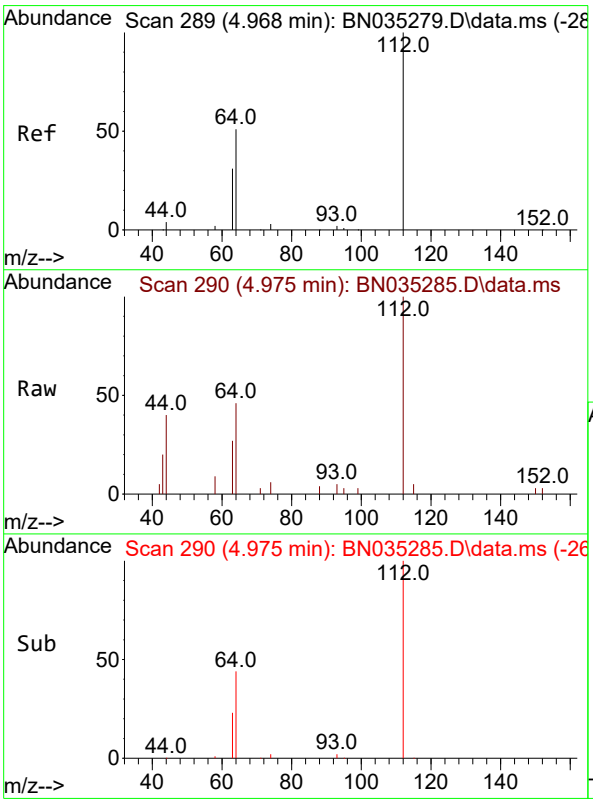
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Instrument :
BNA_N
ClientSampleId :
PB165150BL

Tgt Ion:152 Resp: 3592

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.5	186.7
115	57.9	47.8	71.8

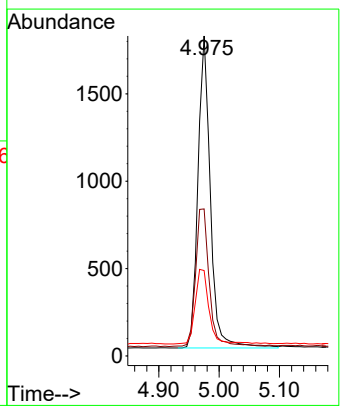


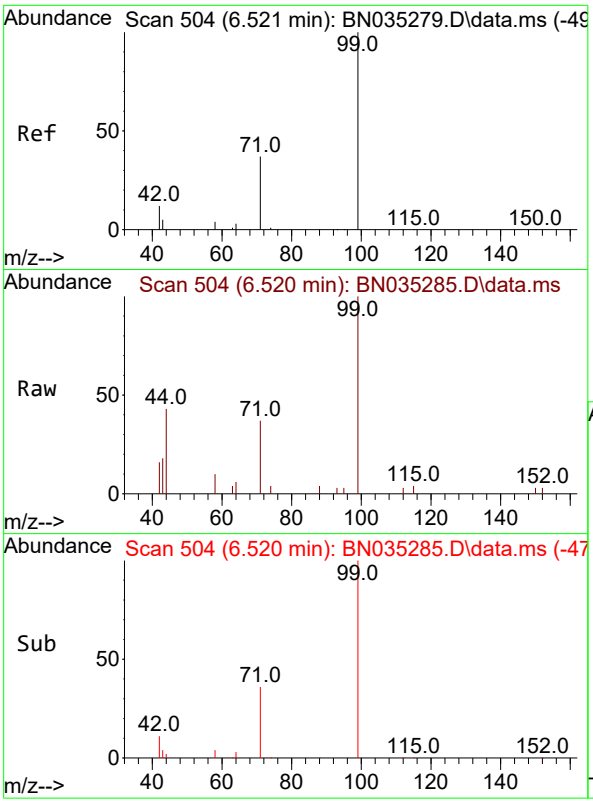


#4
2-Fluorophenol
Concen: 0.375 ng
RT: 4.975 min Scan# 290
Delta R.T. 0.007 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Tgt Ion:112 Resp: 2542

Ion	Ratio	Lower	Upper
112	100		
64	48.7	40.4	60.6
63	26.7	23.8	35.8



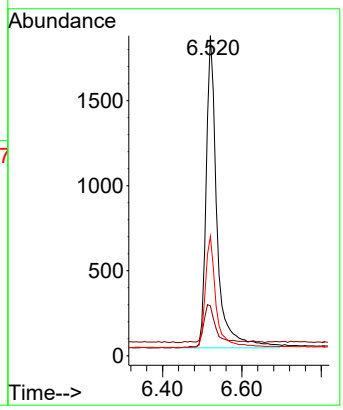


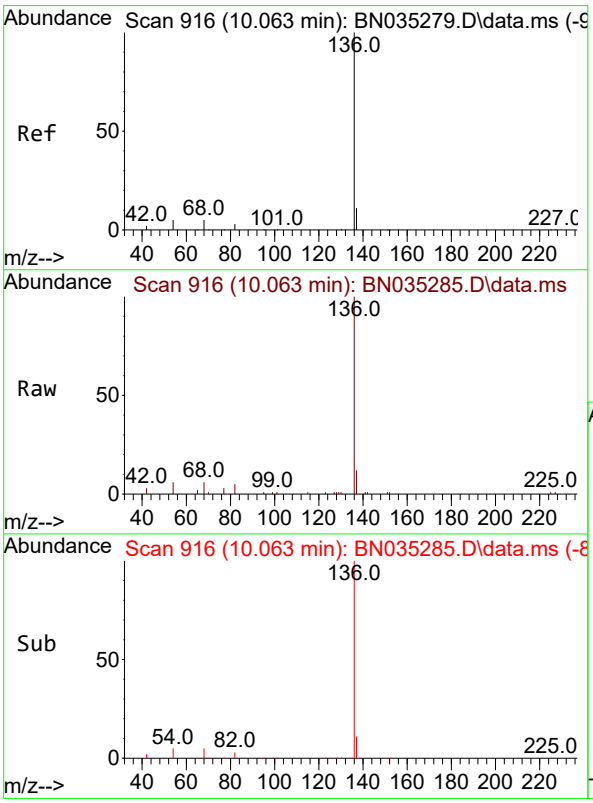
#5
Phenol-d6
Concen: 0.366 ng
RT: 6.520 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Instrument :
BNA_N
ClientSampleId :
PB165150BL

Tgt Ion: 99 Resp: 3467

Ion	Ratio	Lower	Upper
99	100		
42	12.2	12.8	19.2#
71	35.5	31.4	47.2

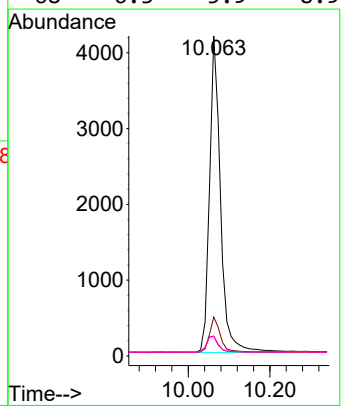


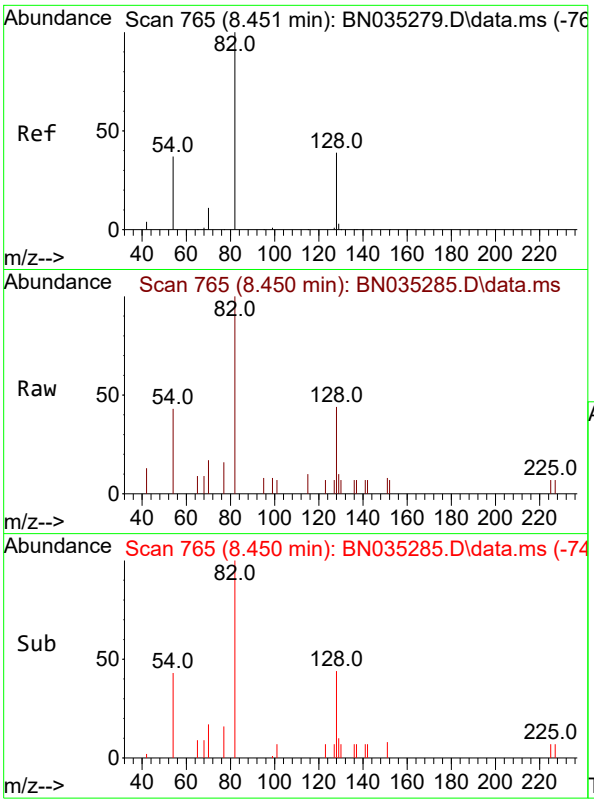


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Tgt Ion:136 Resp: 7815

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.7	14.5
54	6.1	5.3	7.9
68	6.3	5.9	8.9



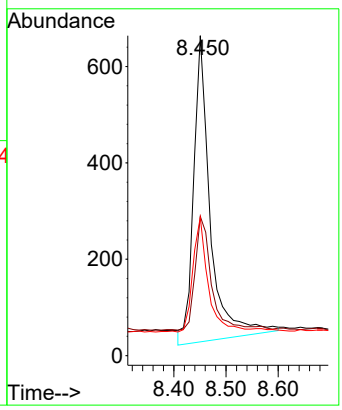


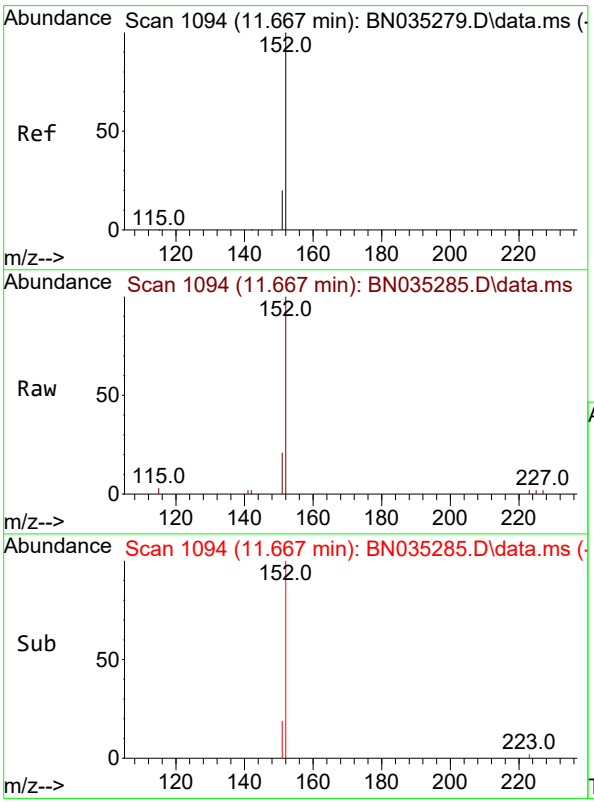
#8
Nitrobenzene-d5
Concen: 0.223 ng
RT: 8.450 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Instrument :
BNA_N
ClientSampleId :
PB165150BL

Tgt Ion: 82 Resp: 1413

Ion	Ratio	Lower	Upper
82	100		
128	43.5	33.0	49.4
54	43.2	33.3	49.9

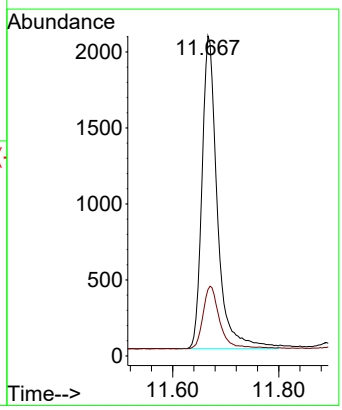


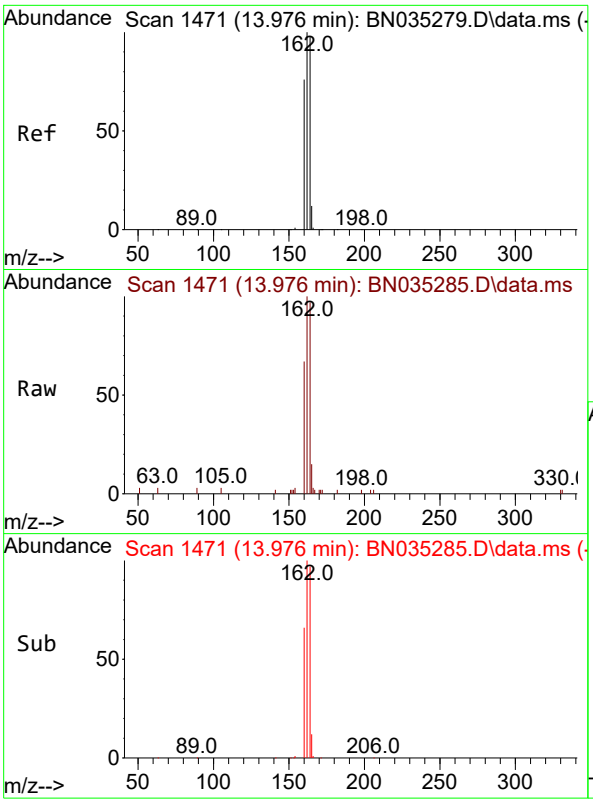


#11
2-Methylnaphthalene-d10
Concen: 0.378 ng
RT: 11.667 min Scan# 1094
Delta R.T. -0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Tgt Ion:152 Resp: 4135

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.2	25.8



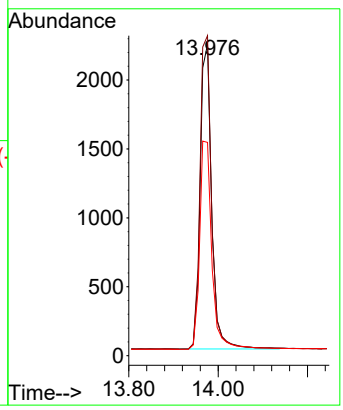


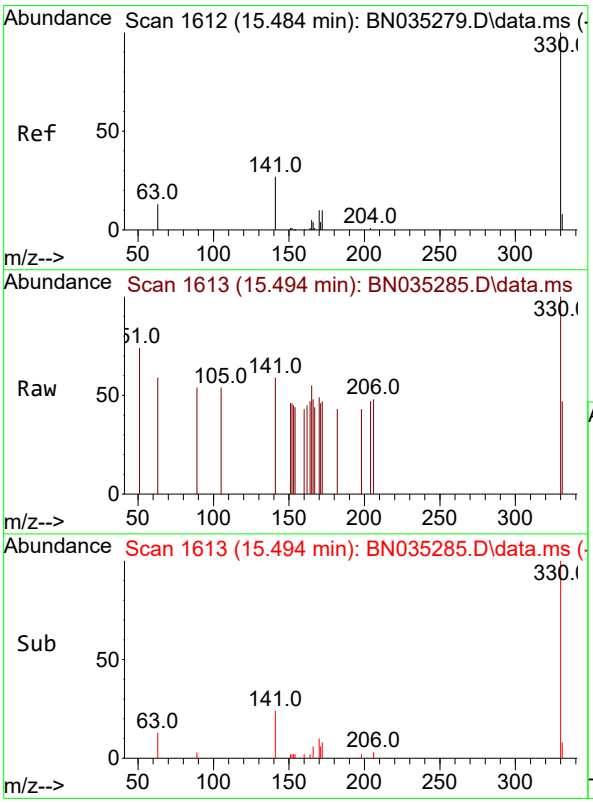
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.976 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Instrument :
BNA_N
ClientSampleId :
PB165150BL

Tgt Ion:164 Resp: 3951

Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.0	123.0
160	68.5	63.0	94.4

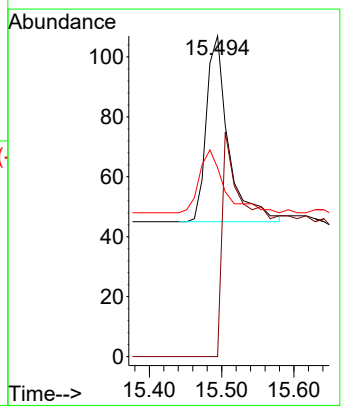


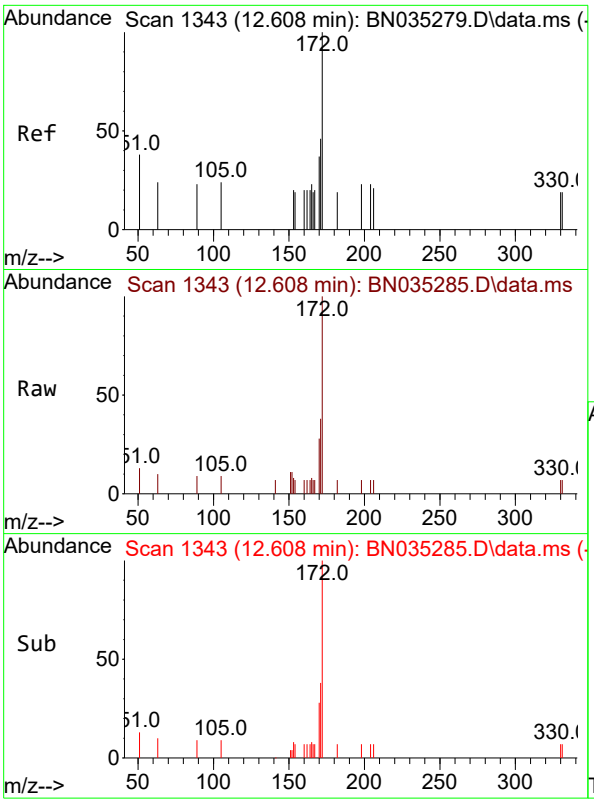


#14
2,4,6-Tribromophenol
Concen: 0.068 ng
RT: 15.494 min Scan# 1613
Delta R.T. 0.010 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Tgt Ion:330 Resp: 137

Ion	Ratio	Lower	Upper
330	100		
332	197.1	0.0	0.0#
141	0.0	32.4	48.6#



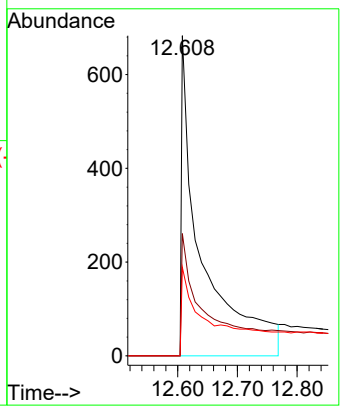


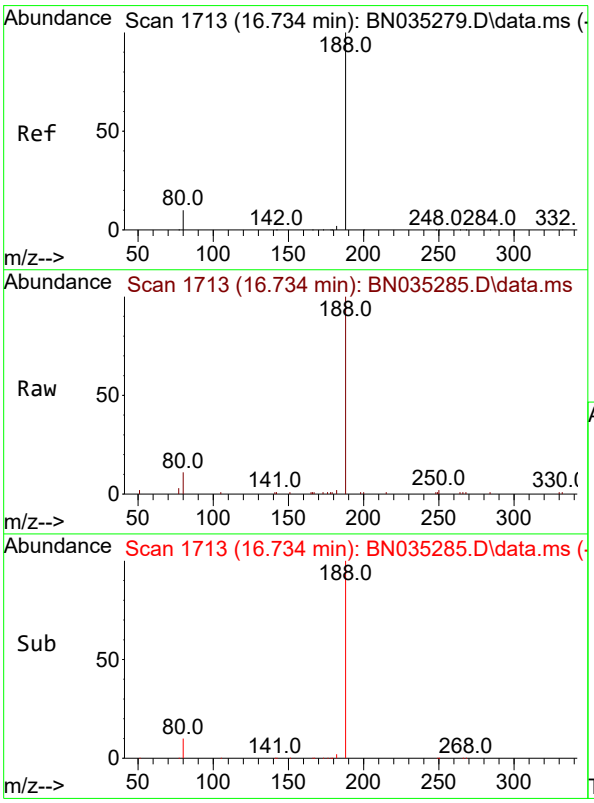
#15
2-Fluorobiphenyl
Concen: 0.730 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Instrument :
BNA_N
ClientSampleId :
PB165150BL

Tgt Ion:172 Resp: 1594

Ion	Ratio	Lower	Upper
172	100		
171	38.2	36.6	55.0
170	27.7	29.7	44.5#

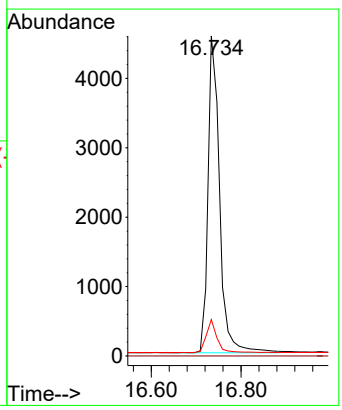


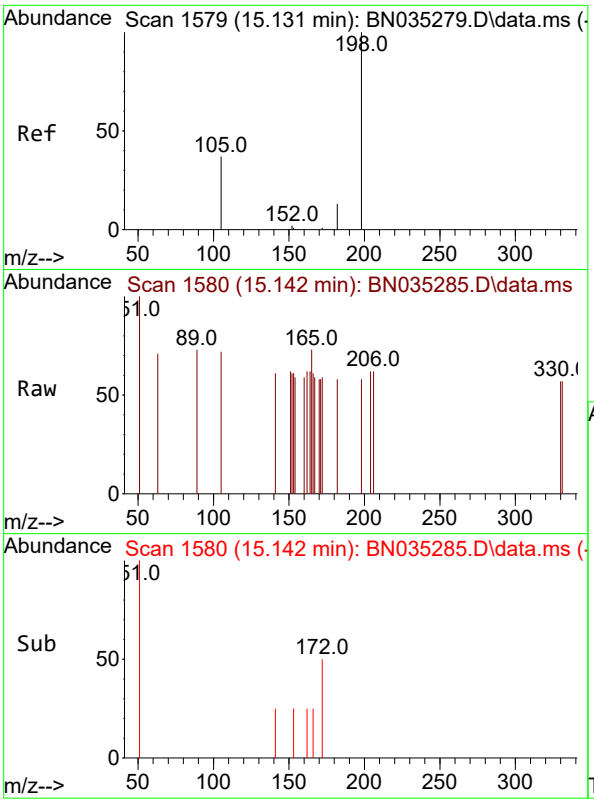


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Tgt Ion:188 Resp: 8151

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.3	8.9	13.3



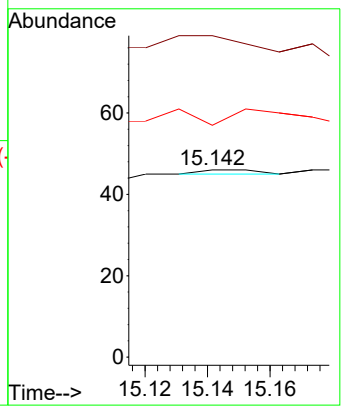


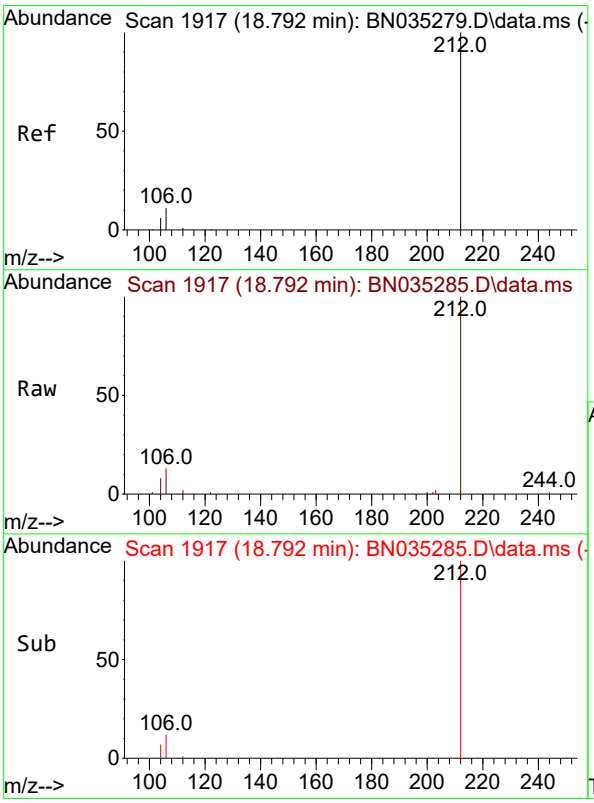
#20
4,6-Dinitro-2-methylphenol
Concen: 0.191 ng
RT: 15.142 min Scan# 1
Delta R.T. 0.011 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Instrument :
BNA_N
ClientSampleId :
PB165150BL

Tgt Ion:198 Resp: 1

Ion	Ratio	Lower	Upper
198	100		
51	171.7	53.6	80.4#
105	123.9	47.4	71.2#

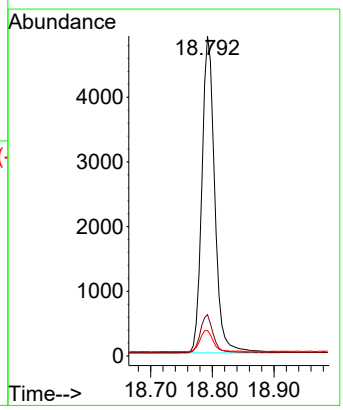


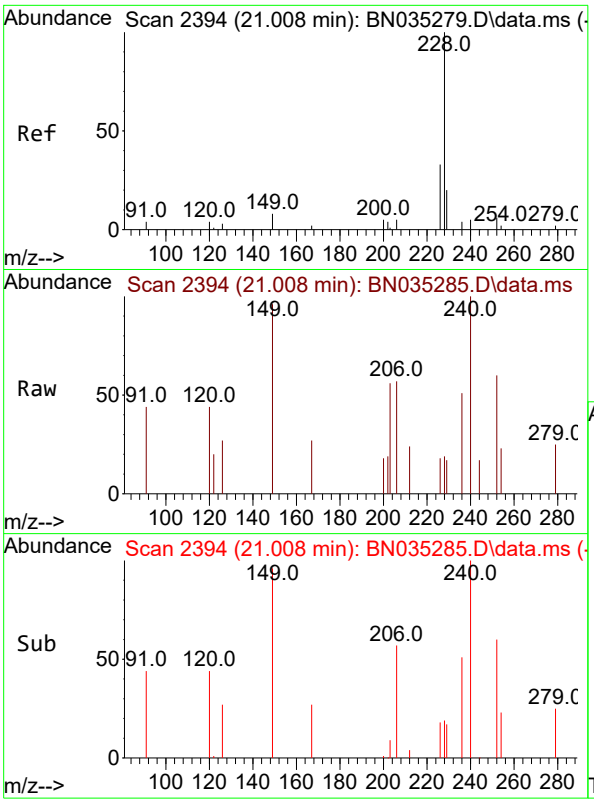


#27
Fluoranthene-d10
Concen: 0.326 ng
RT: 18.792 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Tgt Ion:212 Resp: 7109

Ion	Ratio	Lower	Upper
212	100		
106	12.0	9.8	14.8
104	6.7	5.6	8.4



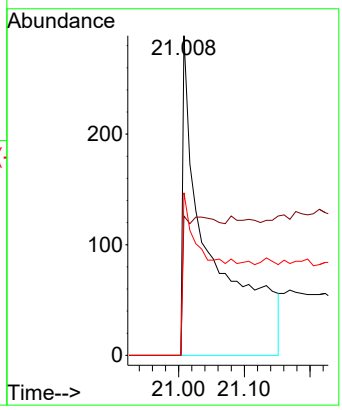


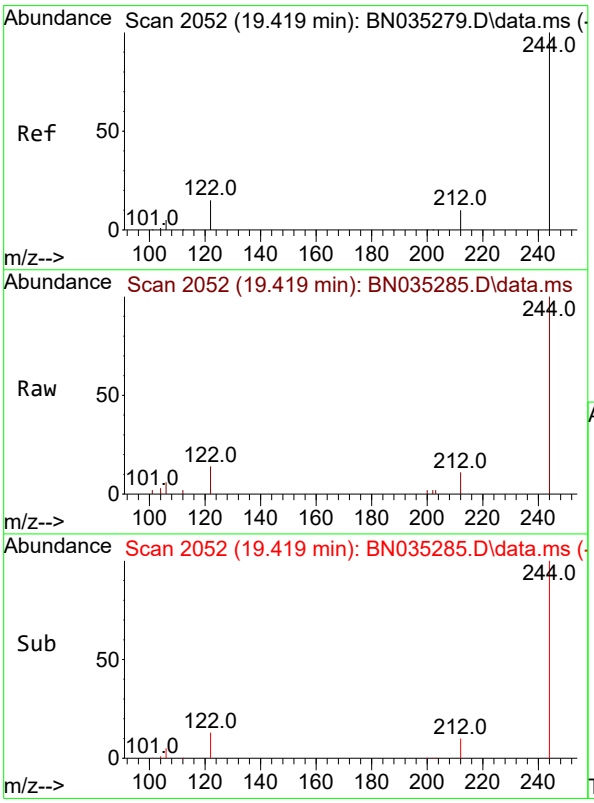
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Instrument :
BNA_N
ClientSampleId :
PB165150BL

Tgt Ion:240 Resp: 804

Ion	Ratio	Lower	Upper
240	100		
120	43.6	54.9	82.3#
236	50.9	54.0	81.0#

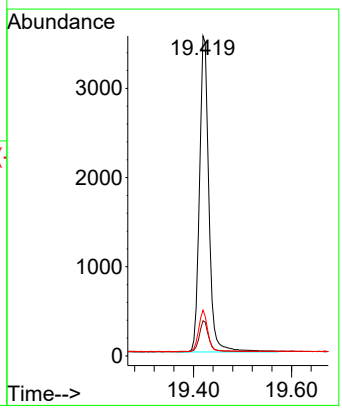


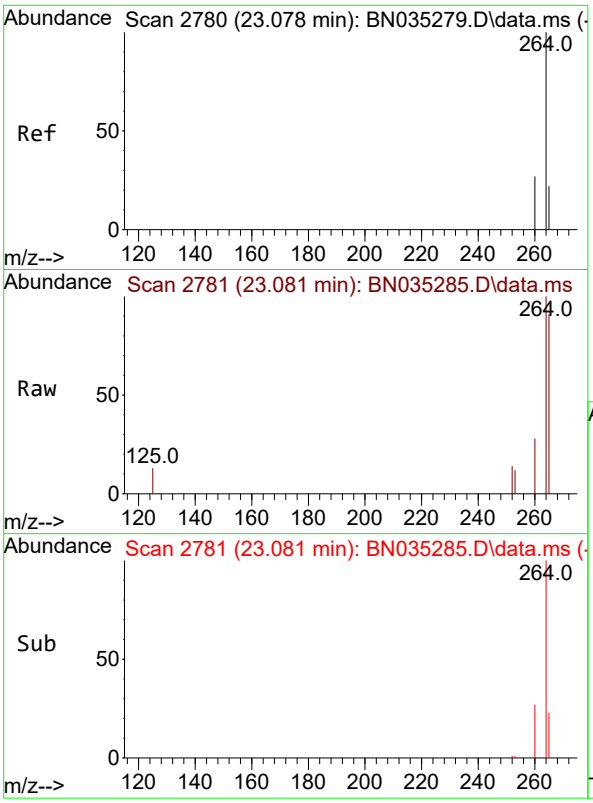


#31
Terphenyl-d14
Concen: 0.316 ng
RT: 19.419 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Tgt Ion:244 Resp: 4697

Ion	Ratio	Lower	Upper
244	100		
212	11.0	9.4	14.0
122	14.3	13.0	19.4



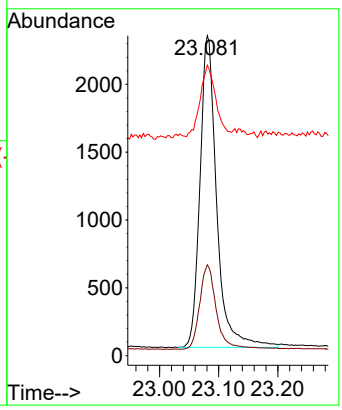


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.081 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035285.D
Acq: 25 Nov 2024 15:44

Instrument :
BNA_N
ClientSampleId :
PB165150BL

Tgt Ion:264 Resp: 4507

Ion	Ratio	Lower	Upper
264	100		
260	28.4	22.3	33.5
265	90.8	68.6	103.0



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035287.D
Acq On : 25 Nov 2024 16:56
Operator : RC/JU
Sample : P4934-05
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119

Quant Time: Nov 25 18:32:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration

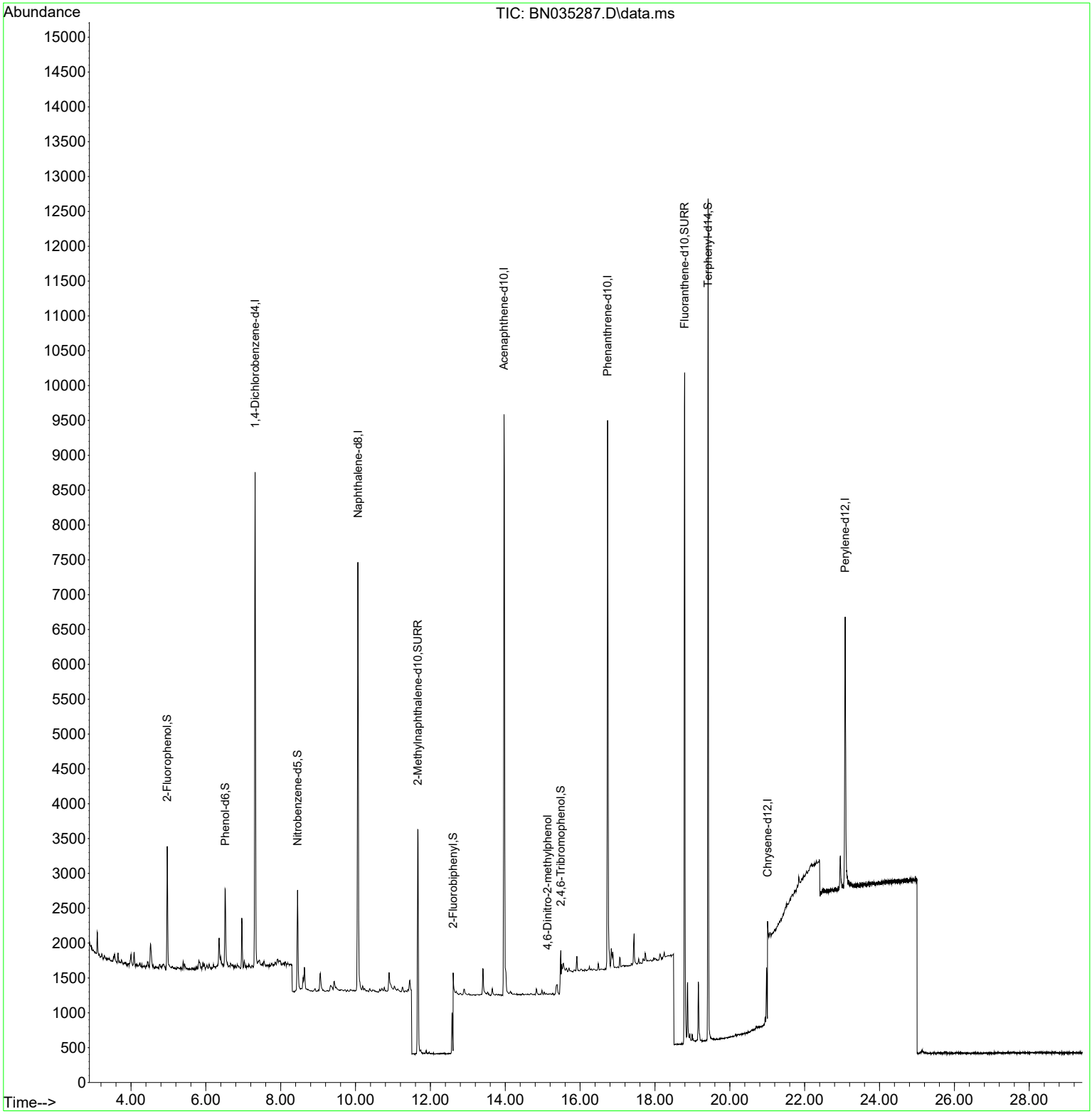
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	3377	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	8188	0.400	ng	0.00
13) Acenaphthene-d10	13.966	164	4836	0.400	ng	-0.01
19) Phenanthrene-d10	16.734	188	10344	0.400	ng	0.00
29) Chrysene-d12	21.008	240	824	0.400	ng	# 0.00
35) Perylene-d12	23.081	264	5052	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	1455	0.228	ng	0.00
5) Phenol-d6	6.520	99	1180	0.132	ng	0.00
8) Nitrobenzene-d5	8.450	82	2061	0.310	ng	0.00
11) 2-Methylnaphthalene-d10	11.663	152	4637	0.405	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	579	0.235	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	724	0.271	ng	0.00
27) Fluoranthene-d10	18.792	212	11214	0.405	ng	0.00
31) Terphenyl-d14	19.419	244	11493	0.755	ng	0.00
Target Compounds						Qvalue
20) 4,6-Dinitro-2-methylph...	15.131	198	2	0.191	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.017	149	536	Below Cal		# 62

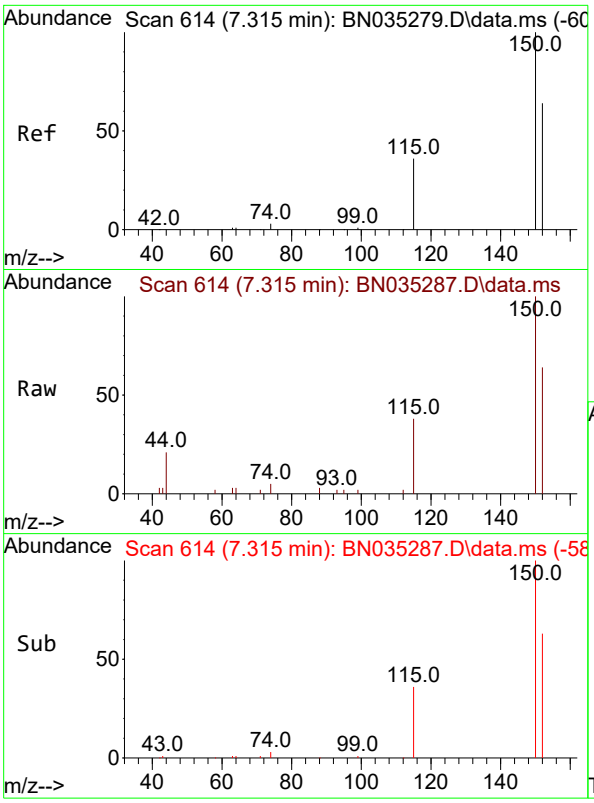
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035287.D
Acq On : 25 Nov 2024 16:56
Operator : RC/JU
Sample : P4934-05
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119

Quant Time: Nov 25 18:32:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 25 14:32:52 2024
Response via : Initial Calibration



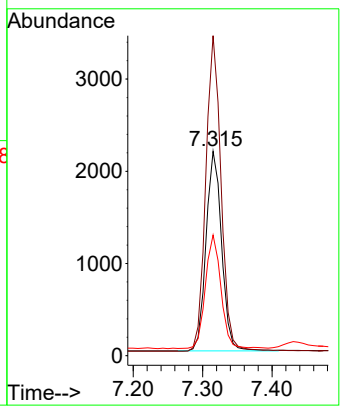


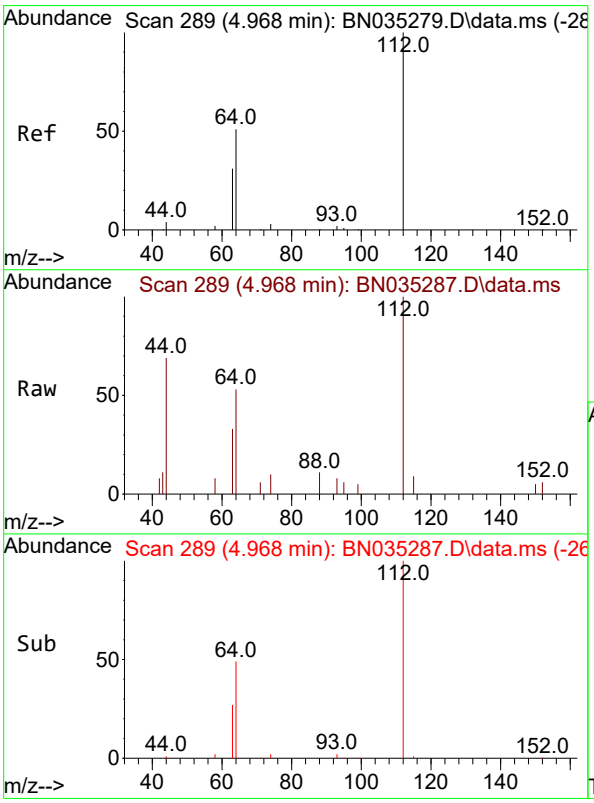
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119

Tgt Ion:152 Resp: 3377

Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.5	186.7
115	59.0	47.8	71.8

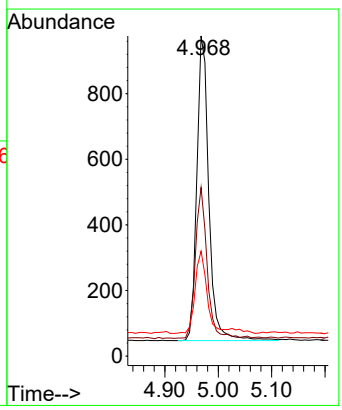


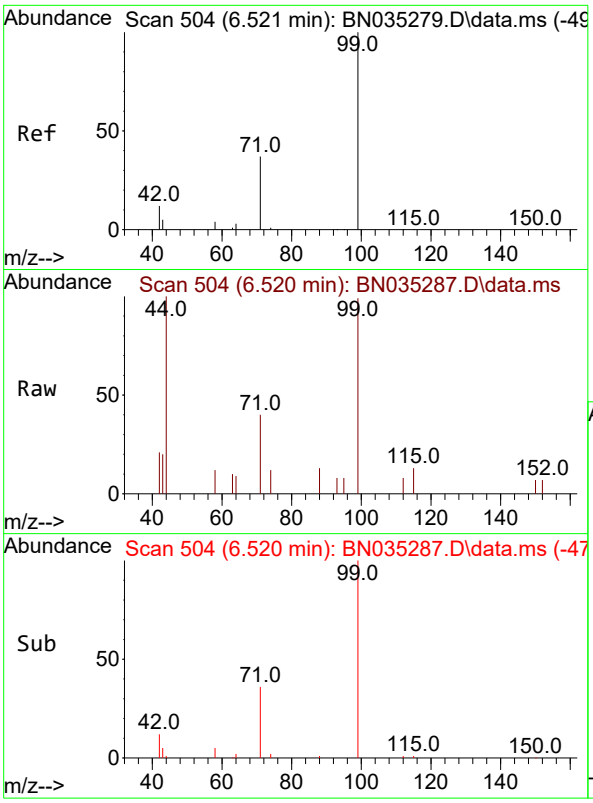


#4
2-Fluorophenol
Concen: 0.228 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion:112 Resp: 1455

Ion	Ratio	Lower	Upper
112	100		
64	48.0	40.4	60.6
63	26.4	23.8	35.8



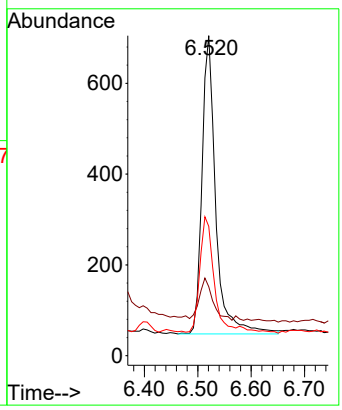


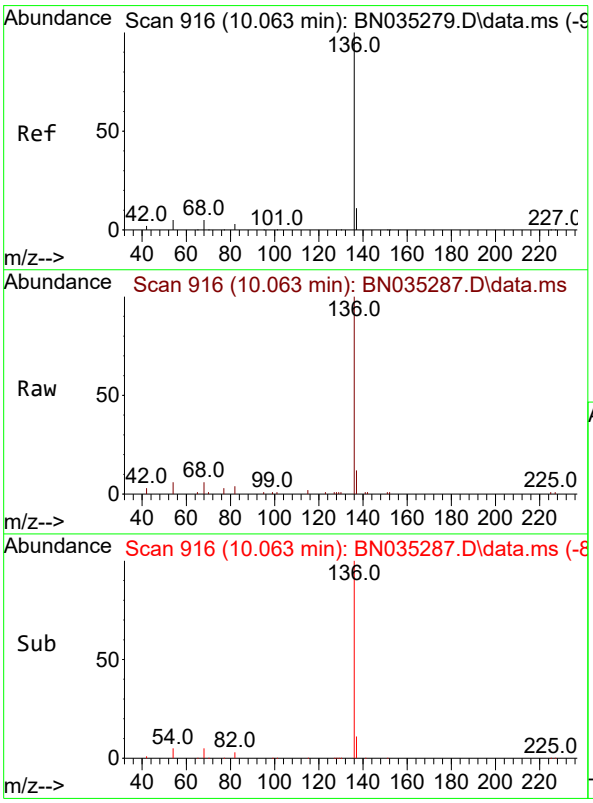
#5
Phenol-d6
Concen: 0.132 ng
RT: 6.520 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119

Tgt Ion: 99 Resp: 1180

Ion	Ratio	Lower	Upper
99	100		
42	13.6	12.8	19.2
71	41.9	31.4	47.2

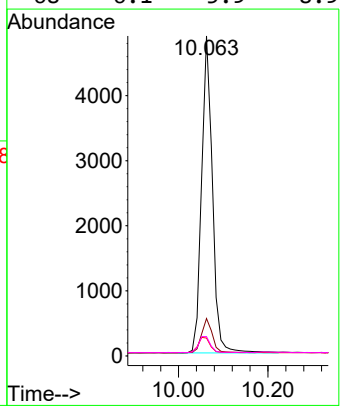


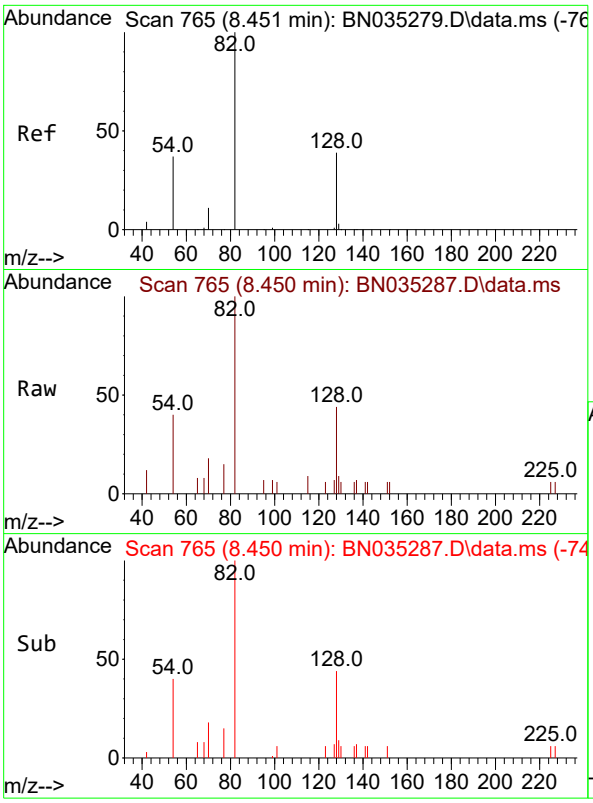


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 916
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion:136 Resp: 8188

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.7	14.5
54	5.6	5.3	7.9
68	6.1	5.9	8.9



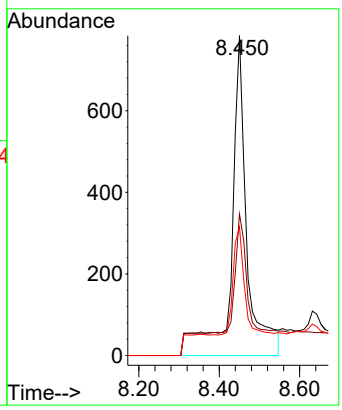


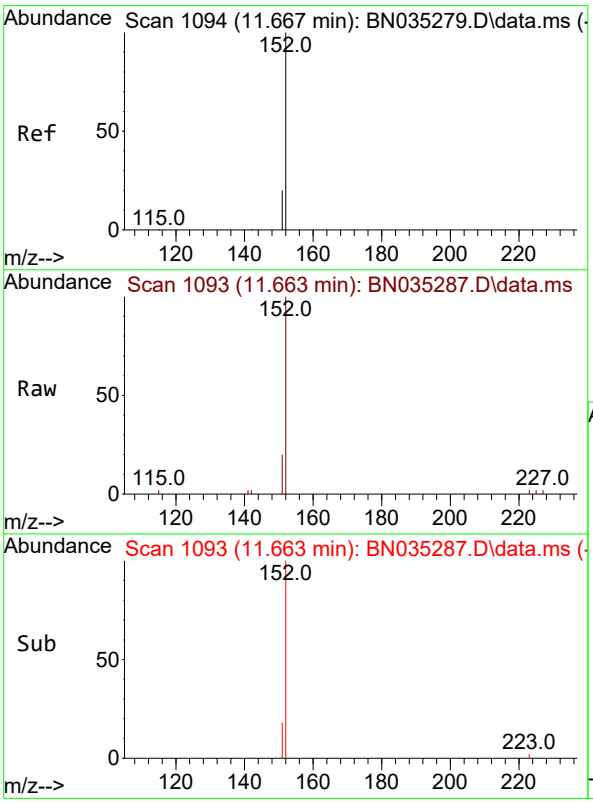
#8
Nitrobenzene-d5
Concen: 0.310 ng
RT: 8.450 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119

Tgt Ion: 82 Resp: 2061

Ion	Ratio	Lower	Upper
82	100		
128	44.3	33.0	49.4
54	40.2	33.3	49.9

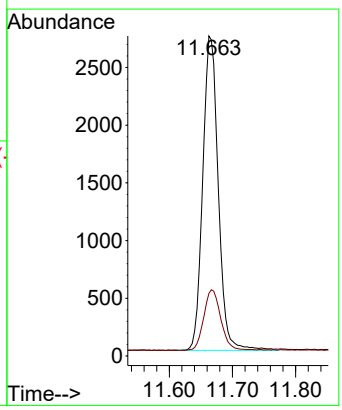


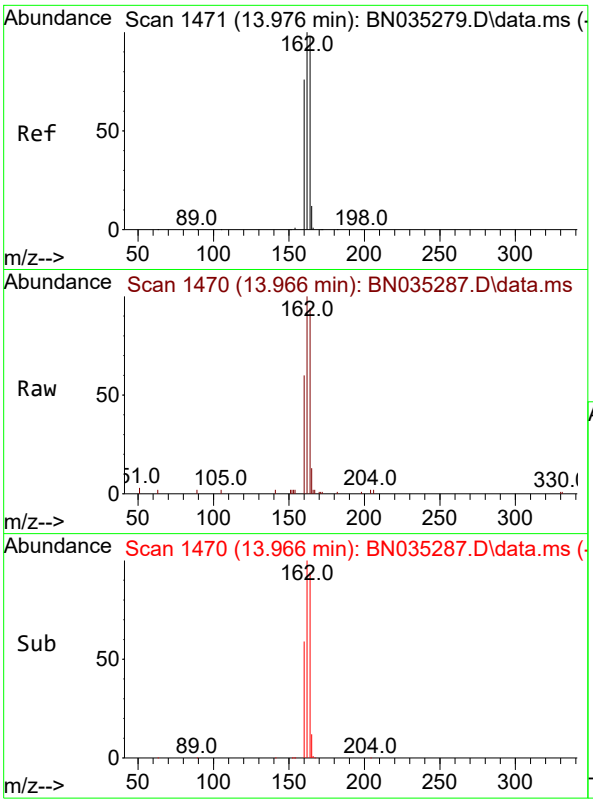


#11
2-Methylnaphthalene-d10
Concen: 0.405 ng
RT: 11.663 min Scan# 1093
Delta R.T. -0.004 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion:152 Resp: 4637

Ion	Ratio	Lower	Upper
152	100		
151	21.1	17.2	25.8



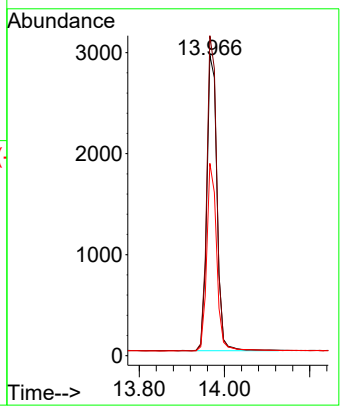


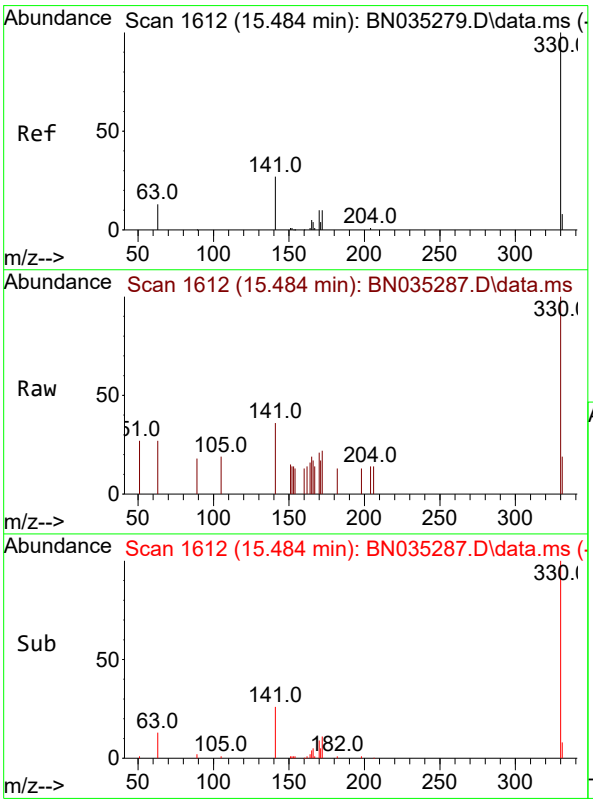
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.966 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119

Tgt Ion:164 Resp: 4836

Ion	Ratio	Lower	Upper
164	100		
162	106.5	82.0	123.0
160	64.0	63.0	94.4

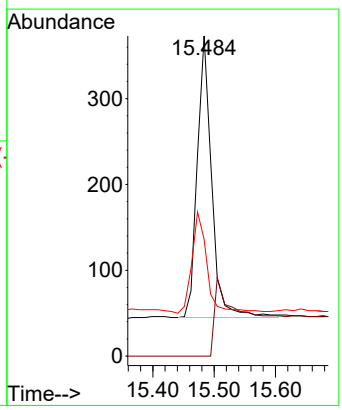


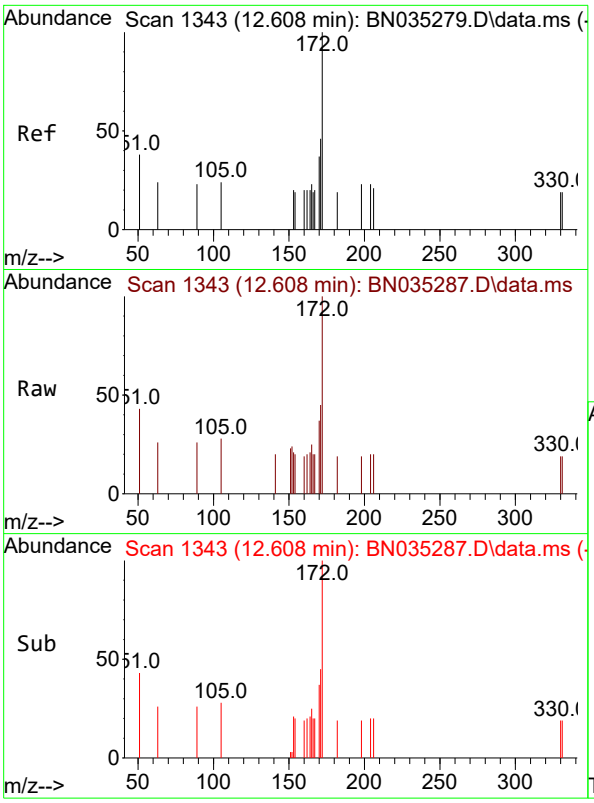


#14
2,4,6-Tribromophenol
Concen: 0.235 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion:330 Resp: 579

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.7	32.4	48.6



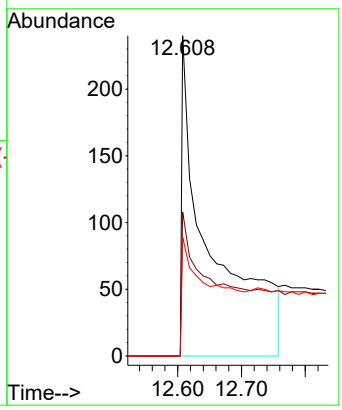


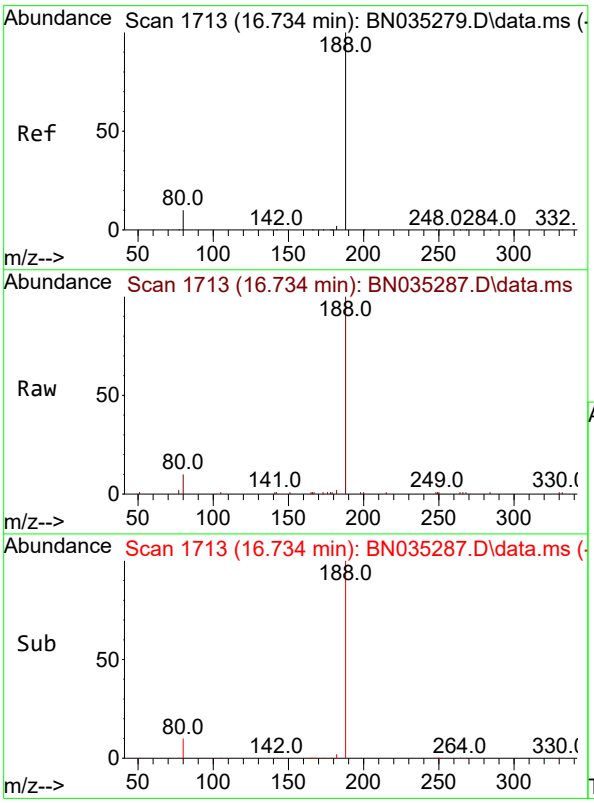
#15
2-Fluorobiphenyl
Concen: 0.271 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119

Tgt Ion:172 Resp: 724

Ion	Ratio	Lower	Upper
172	100		
171	45.0	36.6	55.0
170	37.1	29.7	44.5

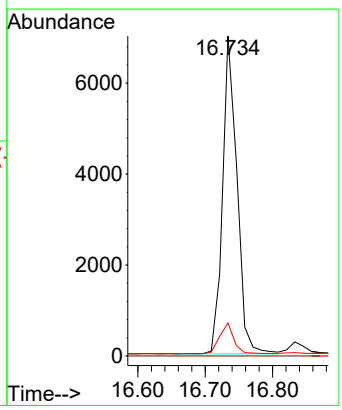


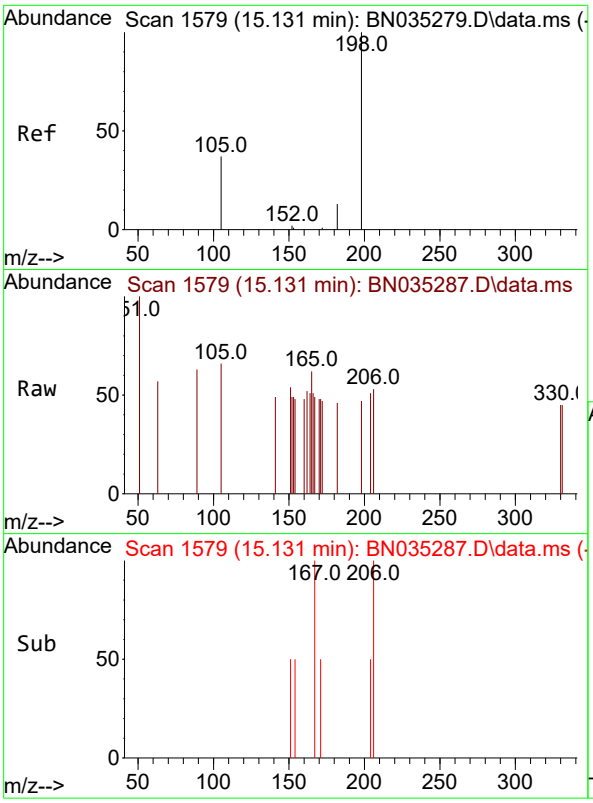


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion:188 Resp: 10344

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	8.9	13.3



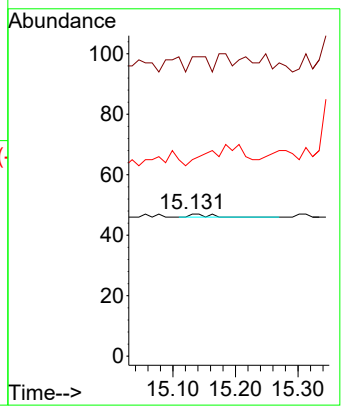


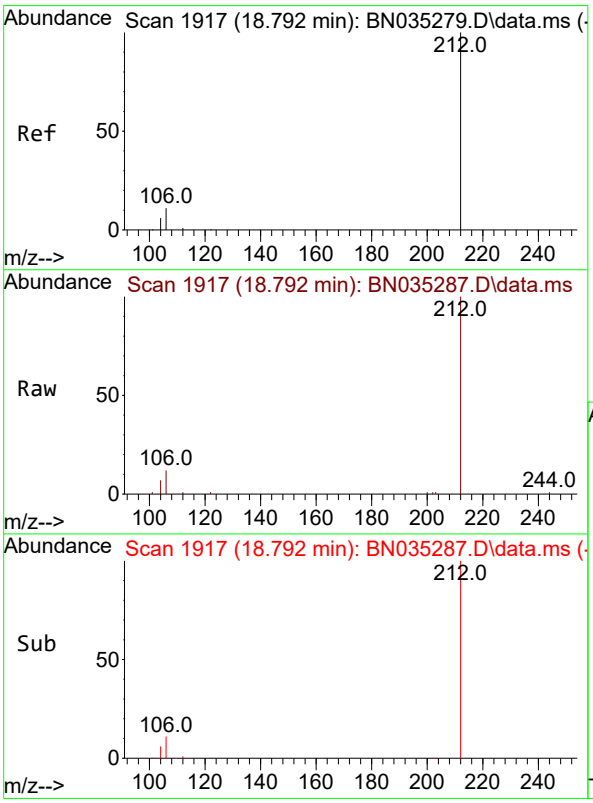
#20
4,6-Dinitro-2-methylphenol
Concen: 0.191 ng
RT: 15.131 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119

Tgt Ion:198 Resp: 2

Ion	Ratio	Lower	Upper
198	100		
51	210.6	53.6	80.4#
105	138.3	47.4	71.2#

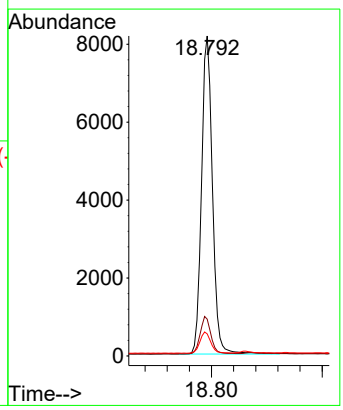


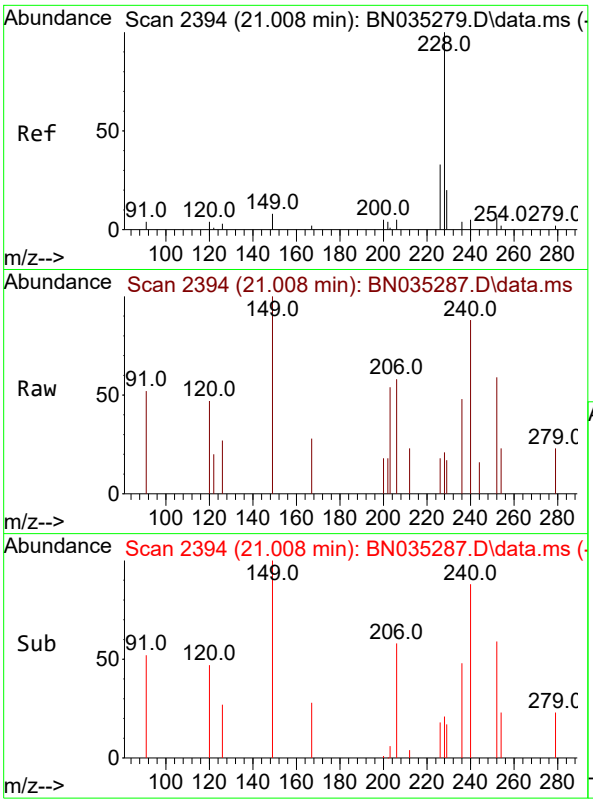


#27
Fluoranthene-d10
Concen: 0.405 ng
RT: 18.792 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion:212 Resp: 11214

Ion	Ratio	Lower	Upper
212	100		
106	11.4	9.8	14.8
104	6.8	5.6	8.4



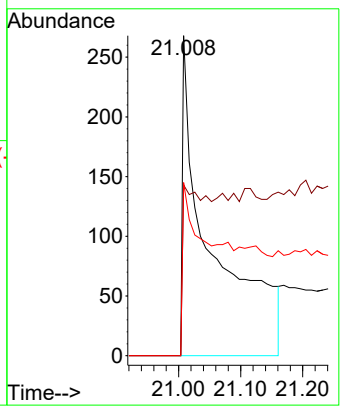


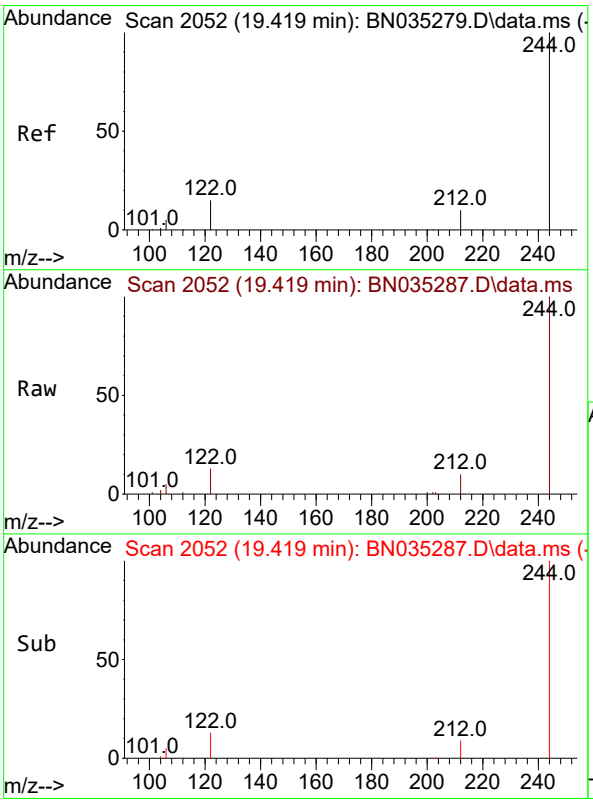
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119

Tgt Ion:240 Resp: 824

Ion	Ratio	Lower	Upper
240	100		
120	53.4	54.9	82.3#
236	54.1	54.0	81.0

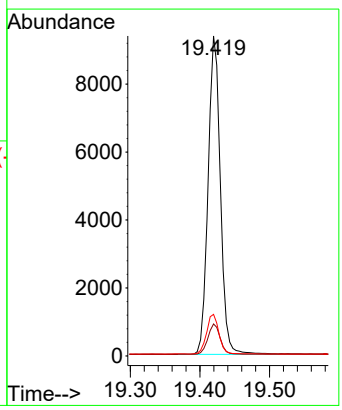


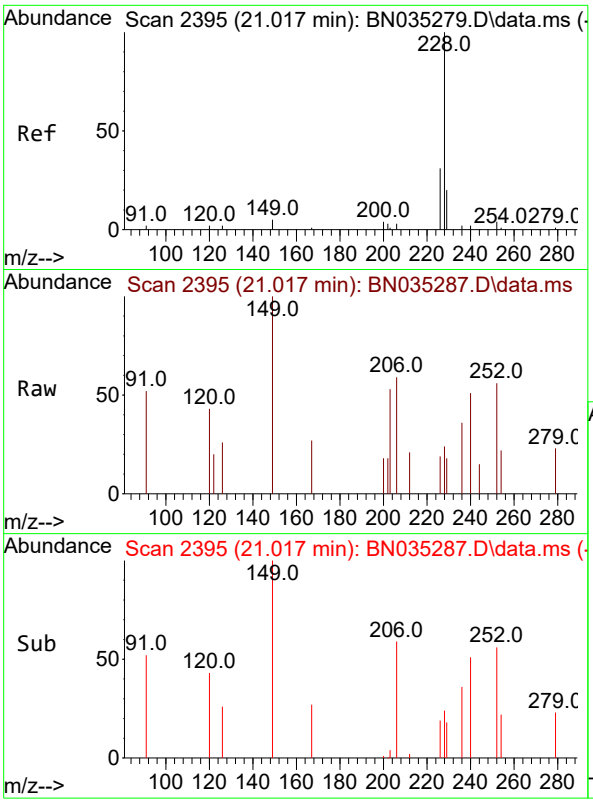


#31
Terphenyl-d14
Concen: 0.755 ng
RT: 19.419 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion:244 Resp: 11493

Ion	Ratio	Lower	Upper
244	100		
212	10.0	9.4	14.0
122	13.0	13.0	19.4



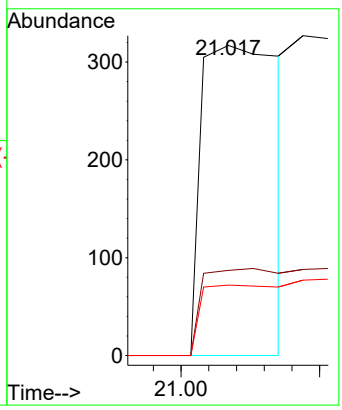


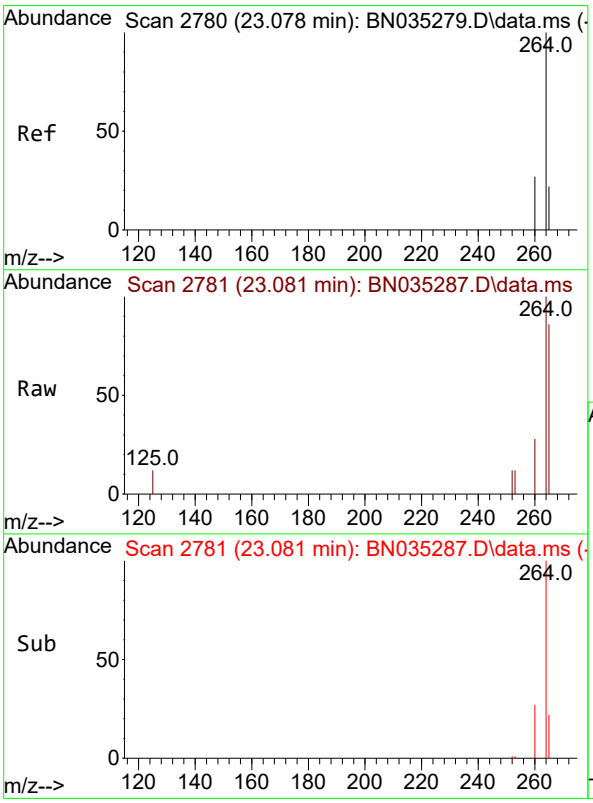
#34
Bis(2-ethylhexyl)phthalate
Concen: Below Cal
RT: 21.017 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119

Tgt Ion:149 Resp: 536

Ion	Ratio	Lower	Upper
149	100		
167	27.8	0.0	0.0#
279	0.0	13.0	19.6#

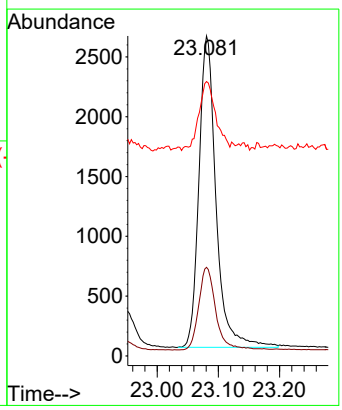




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.081 min Scan# 2781
Delta R.T. 0.003 min
Lab File: BN035287.D
Acq: 25 Nov 2024 16:56

Tgt Ion:264 Resp: 5052

Ion	Ratio	Lower	Upper
264	100		
260	27.7	22.3	33.5
265	85.8	68.6	103.0



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035288.D
Acq On : 25 Nov 2024 17:32
Operator : RC/JU
Sample : P4934-06MS
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Quant Time: Nov 26 03:31:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	3628	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	8728	0.400	ng	# 0.00
13) Acenaphthene-d10	13.966	164	5209	0.400	ng	#-0.01
19) Phenanthrene-d10	16.734	188	11399	0.400	ng	0.00
29) Chrysene-d12	21.008	240	743	0.400	ng	0.00
35) Perylene-d12	23.078	264	5613	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.975	112	1549	0.226	ng	0.00
5) Phenol-d6	6.521	99	1362	0.142	ng	0.00
8) Nitrobenzene-d5	8.450	82	1496	0.211	ng	0.00
11) 2-Methylnaphthalene-d10	11.663	152	4722	0.386	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	658	0.247	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	421	0.146	ng	0.00
27) Fluoranthene-d10	18.792	212	11634	0.381	ng	0.00
31) Terphenyl-d14	19.419	244	10548	0.768	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	511	0.196	ng	# 90
3) n-Nitrosodimethylamine	3.299	42	354	0.131	ng	# 72
6) bis(2-Chloroethyl)ether	6.766	93	2973	0.369	ng	99
9) Naphthalene	10.105	128	7856	0.324	ng	99
10) Hexachlorobutadiene	10.404	225	1619	0.238	ng	# 100
12) 2-Methylnaphthalene	11.742	142	5352	0.338	ng	99
16) Acenaphthylene	13.677	152	8167	0.312	ng	99
17) Acenaphthene	14.030	154	5230	0.317	ng	# 88
18) Fluorene	15.035	166	7099	0.307	ng	98
20) 4,6-Dinitro-2-methylph...	15.131	198	305	0.374	ng	89
21) 4-Bromophenyl-phenylether	15.939	248	2574	0.356	ng	98
22) Hexachlorobenzene	16.051	284	3029	0.292	ng	99
23) Atrazine	16.237	200	1155	0.379	ng	96
24) Pentachlorophenol	16.399	266	774	0.312	ng	98
25) Phenanthrene	16.771	178	12309	0.352	ng	99
26) Anthracene	16.870	178	10530	0.350	ng	100
28) Fluoranthene	18.820	202	13774	0.312	ng	99
30) Pyrene	19.187	202	13805	0.511	ng	100
32) Benzo(a)anthracene	21.017	228	10096	0.390	ng	99
33) Chrysene	21.017	228	10096	0.390	ng	99
34) Bis(2-ethylhexyl)phtha...	21.017	149	578	0.407	ng	# 62
36) Indeno(1,2,3-cd)pyrene	25.124	276	9354	0.407	ng	99
37) Benzo(b)fluoranthene	22.464	252	8402	0.344	ng	98
38) Benzo(k)fluoranthene	22.505	252	9589	0.372	ng	98
39) Benzo(a)pyrene	22.990	252	7534	0.404	ng	97
40) Dibenzo(a,h)anthracene	25.139	278	7128	0.410	ng	96
41) Benzo(g,h,i)perylene	25.738	276	7780	0.387	ng	99

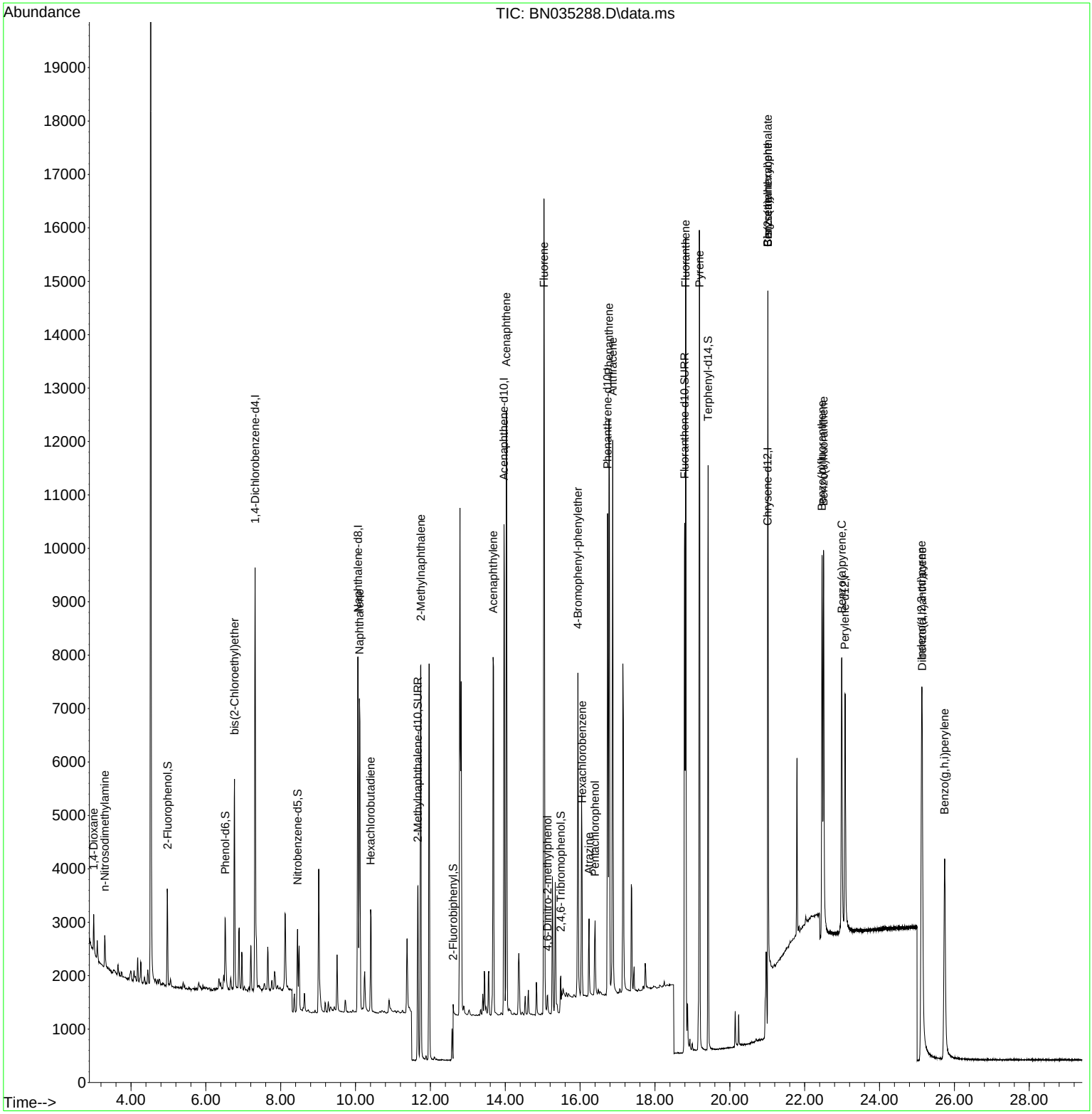
(#) = qualifier out of range (m) = manual integration (+) = signals summed

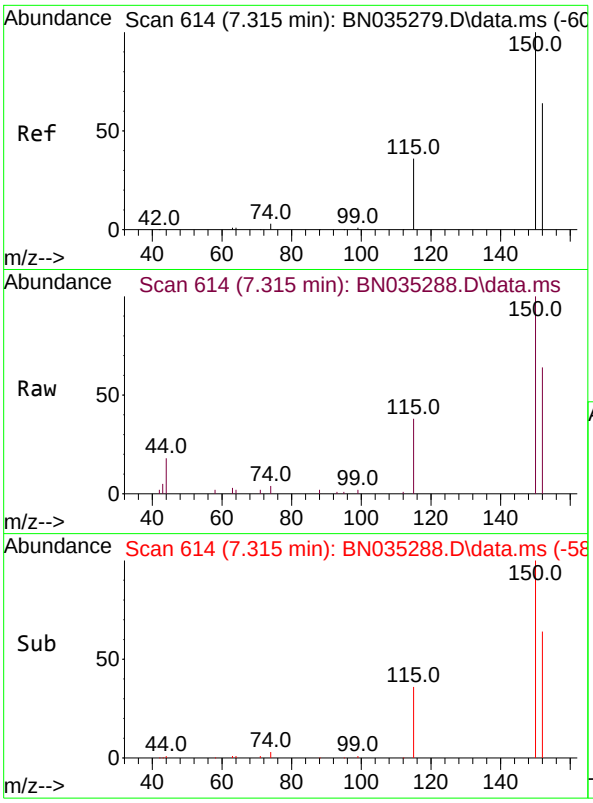
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035288.D
Acq On : 25 Nov 2024 17:32
Operator : RC/JU
Sample : P4934-06MS
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Quant Time: Nov 26 03:31:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration



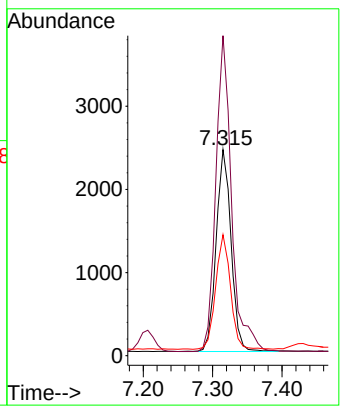


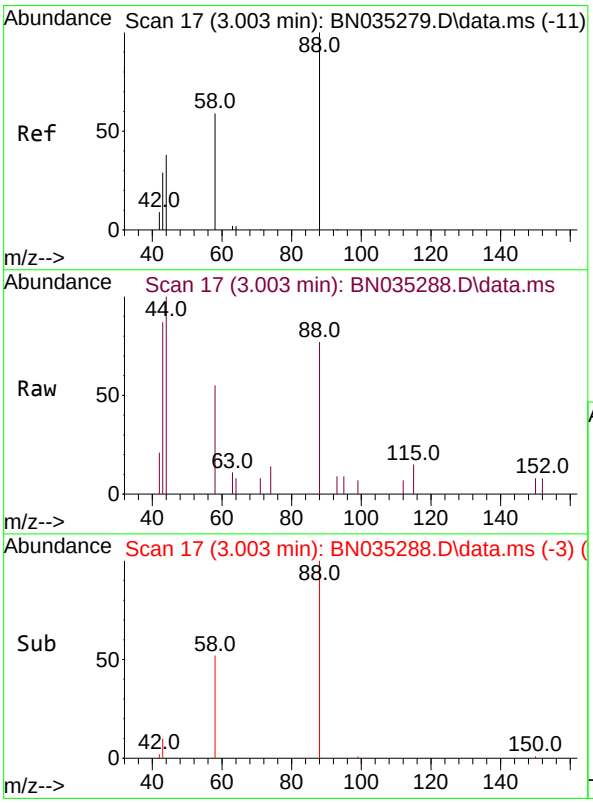
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion:152 Resp: 3628

Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.5	186.7
115	58.7	47.8	71.8

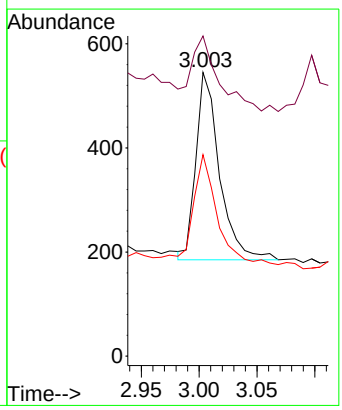


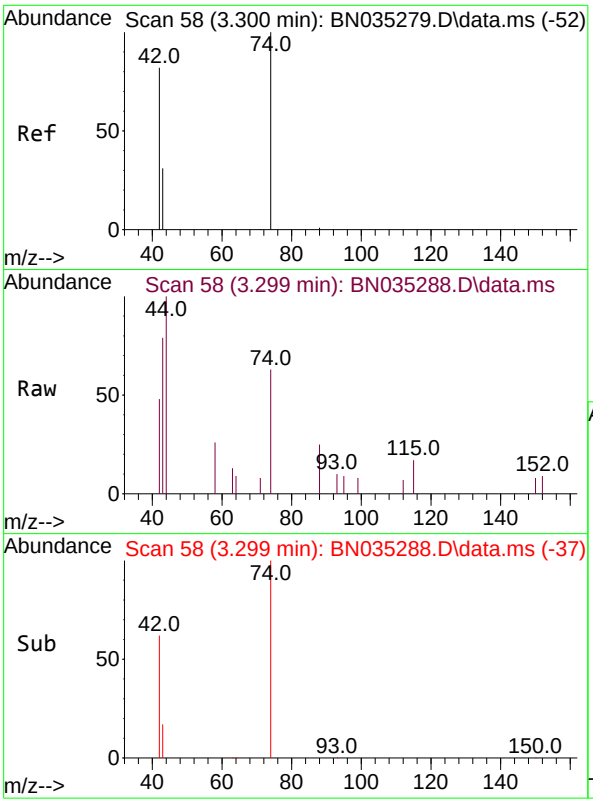


#2
1,4-Dioxane
Concen: 0.196 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion: 88 Resp: 511

Ion	Ratio	Lower	Upper
88	100		
43	46.4	48.1	72.1#
58	60.3	46.9	70.3



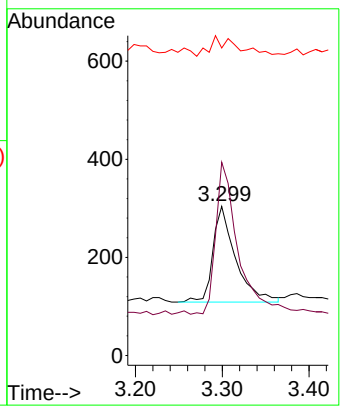


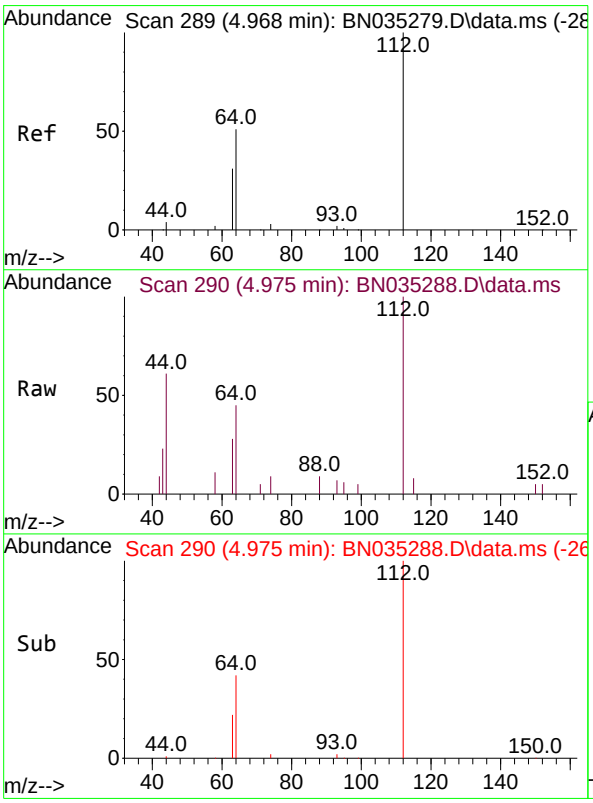
#3
n-Nitrosodimethylamine
Concen: 0.131 ng
RT: 3.299 min Scan# 5
Delta R.T. -0.001 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion: 42 Resp: 354

Ion	Ratio	Lower	Upper
42	100		
74	161.6	102.7	154.1#
44	26.6	34.1	51.1#

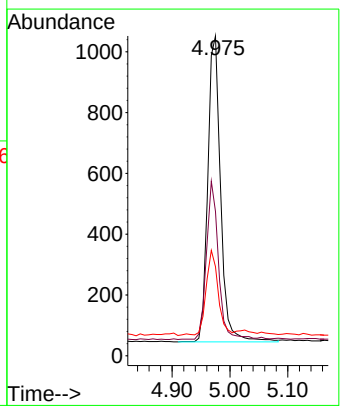


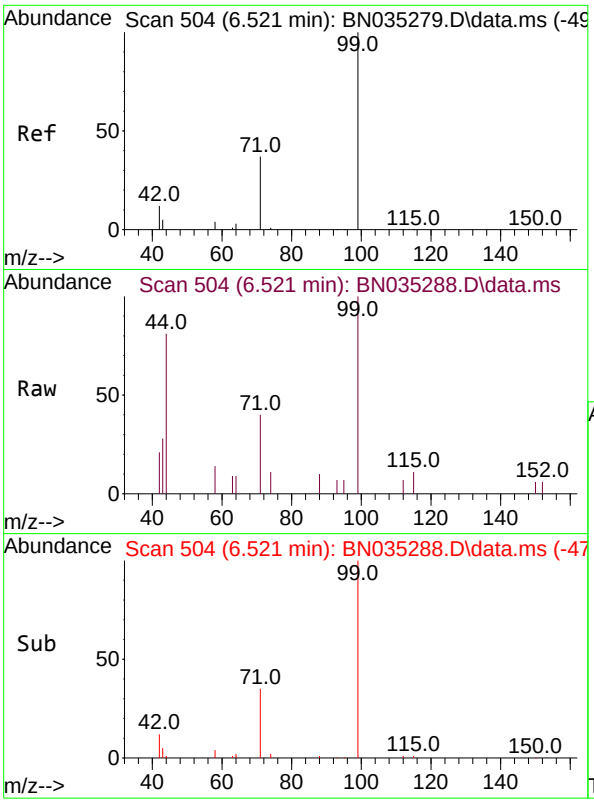


#4
2-Fluorophenol
Concen: 0.226 ng
RT: 4.975 min Scan# 290
Delta R.T. 0.007 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:112 Resp: 1549

Ion	Ratio	Lower	Upper
112	100		
64	47.9	40.4	60.6
63	25.6	23.8	35.8



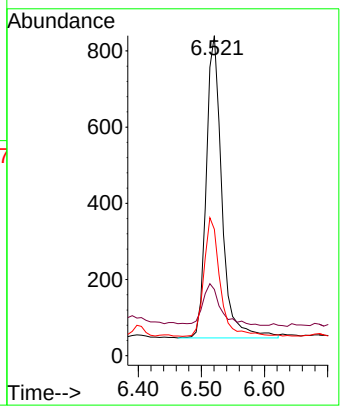


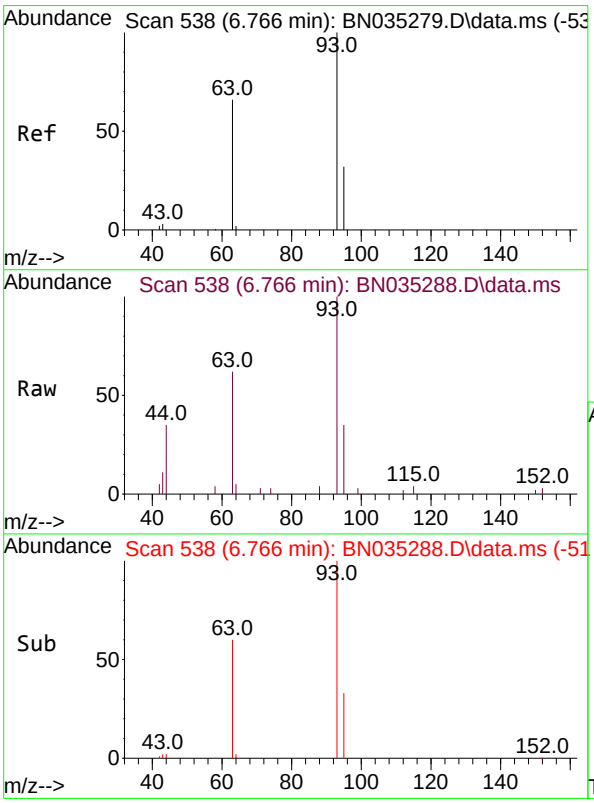
#5
Phenol-d6
Concen: 0.142 ng
RT: 6.521 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion: 99 Resp: 1362

Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.8	19.2
71	40.7	31.4	47.2

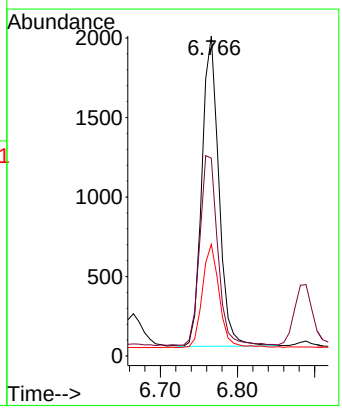


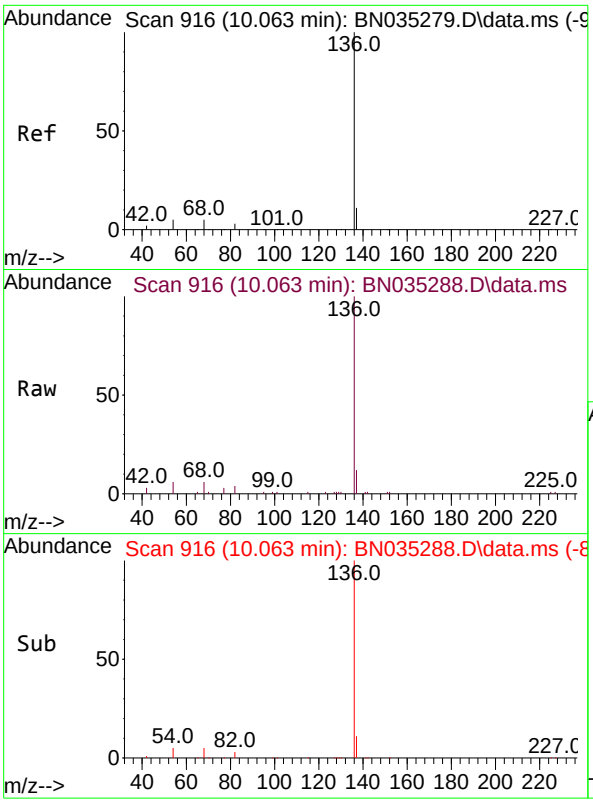


#6
bis(2-Chloroethyl)ether
Concen: 0.369 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion: 93 Resp: 2973

Ion	Ratio	Lower	Upper
93	100		
63	65.3	52.3	78.5
95	33.3	25.5	38.3



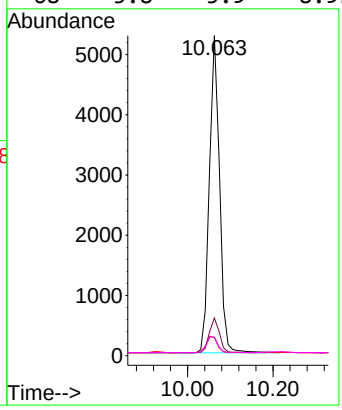


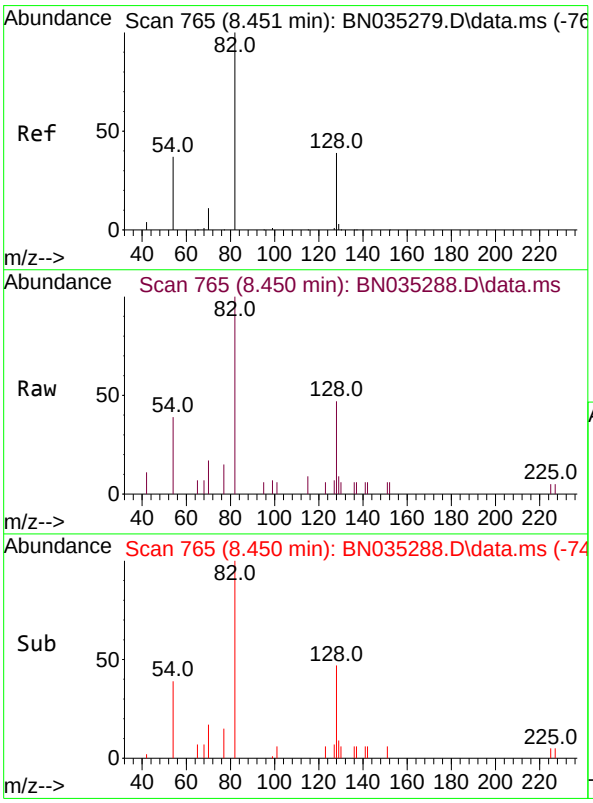
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion:136 Resp: 8728

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.7	14.5
54	5.6	5.3	7.9
68	5.8	5.9	8.9#

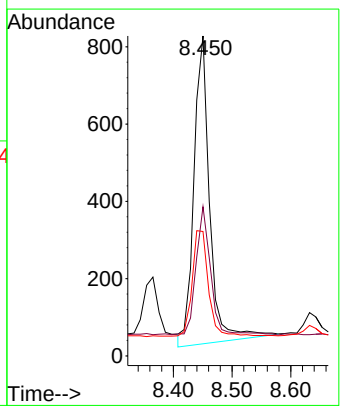


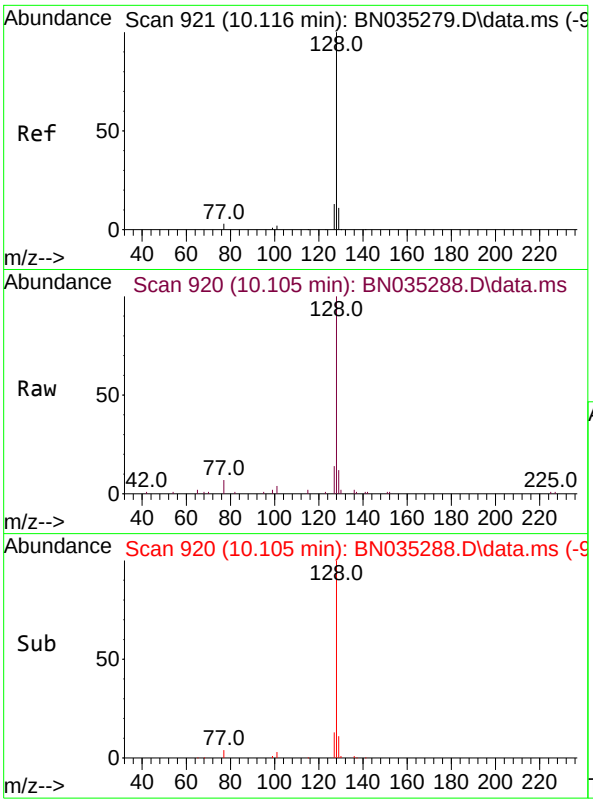


#8
Nitrobenzene-d5
Concen: 0.211 ng
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion: 82 Resp: 1496

Ion	Ratio	Lower	Upper
82	100		
128	46.6	33.0	49.4
54	38.9	33.3	49.9



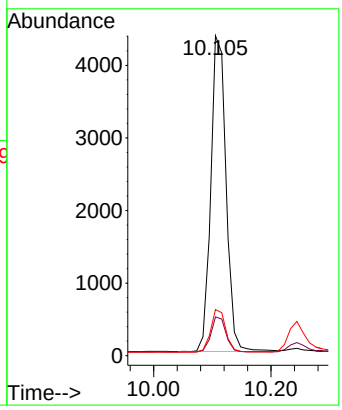


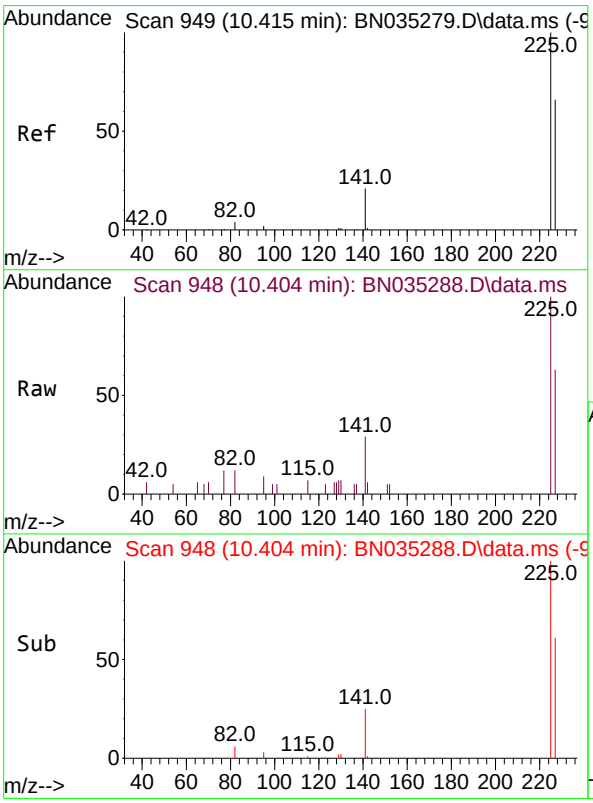
#9
Naphthalene
Concen: 0.324 ng
RT: 10.105 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion:128 Resp: 7856

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.6	14.4
127	14.4	11.3	16.9

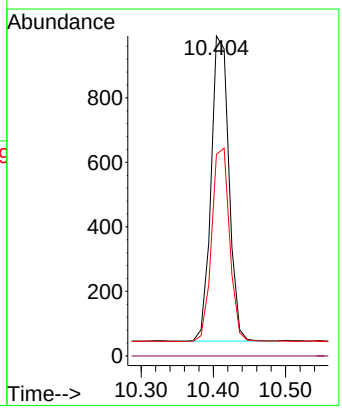


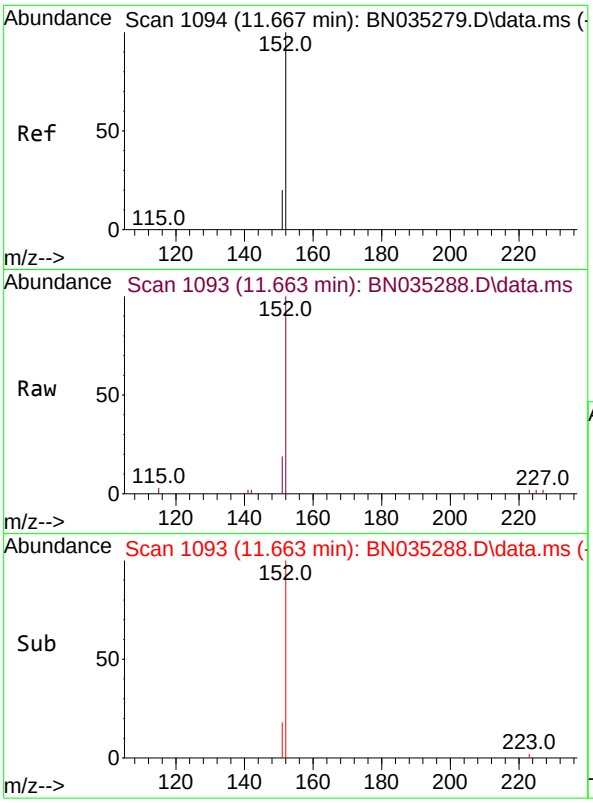


#10
Hexachlorobutadiene
Concen: 0.238 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:225 Resp: 1619

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.3	76.9



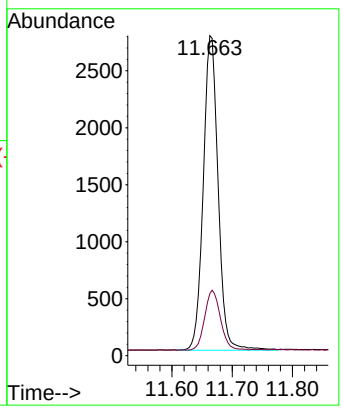


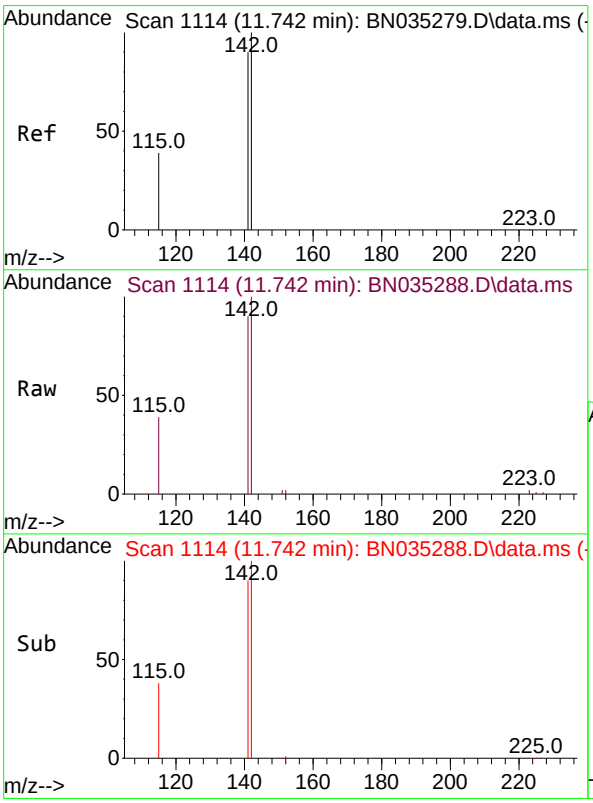
#11
2-Methylnaphthalene-d10
Concen: 0.386 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion:152 Resp: 4722

Ion	Ratio	Lower	Upper
152	100		
151	20.0	17.2	25.8

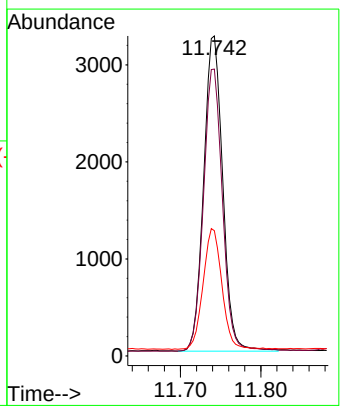


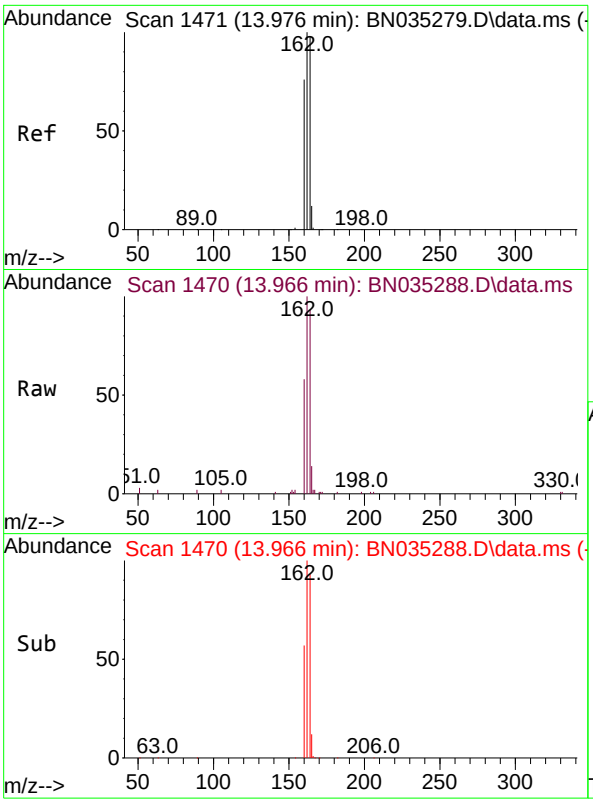


#12
2-Methylnaphthalene
Concen: 0.338 ng
RT: 11.742 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:142 Resp: 5352

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.8	107.8
115	39.2	32.6	49.0



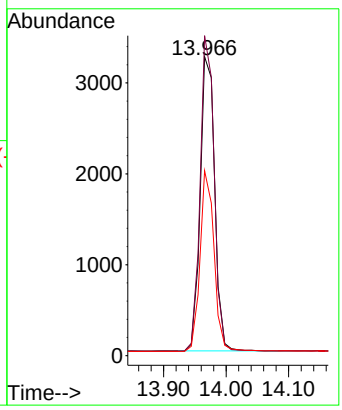


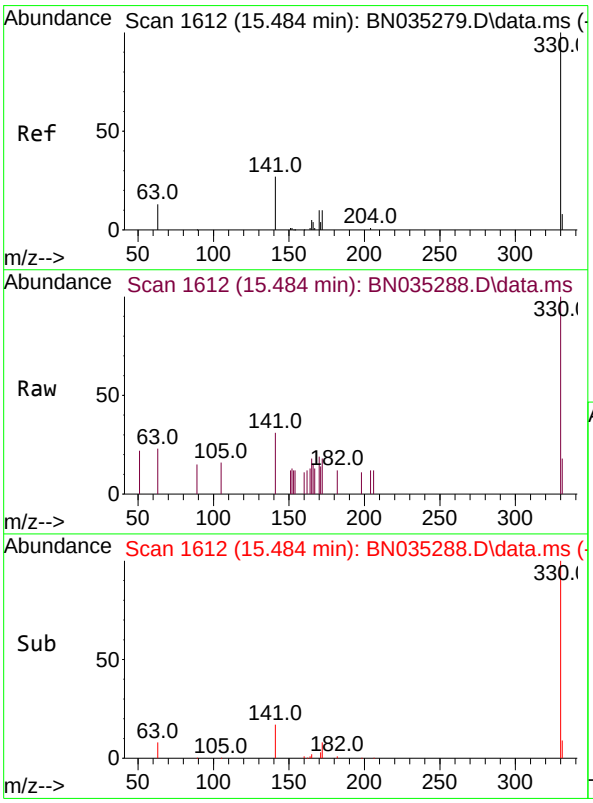
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.966 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion:164 Resp: 5209

Ion	Ratio	Lower	Upper
164	100		
162	107.1	82.0	123.0
160	61.9	63.0	94.4#

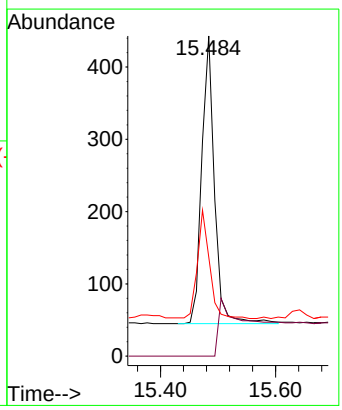


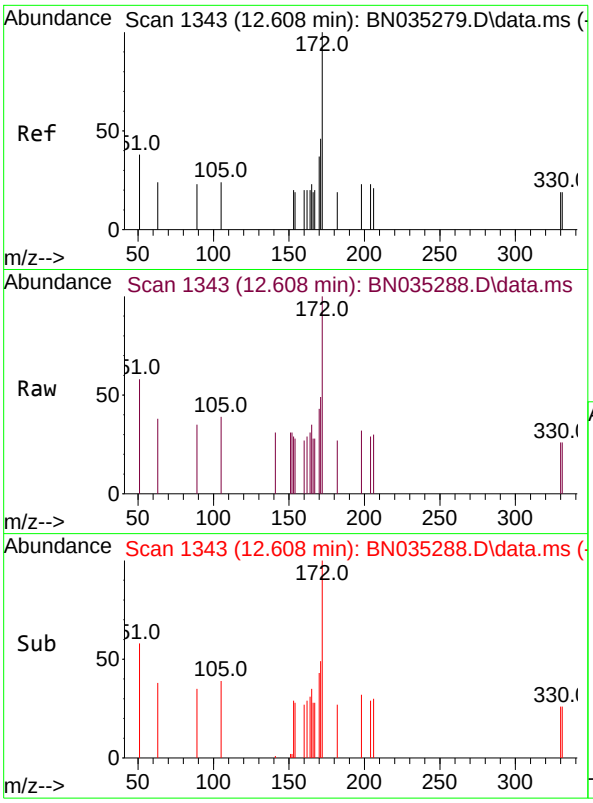


#14
2,4,6-Tribromophenol
Concen: 0.247 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:330 Resp: 658

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.4	32.4	48.6



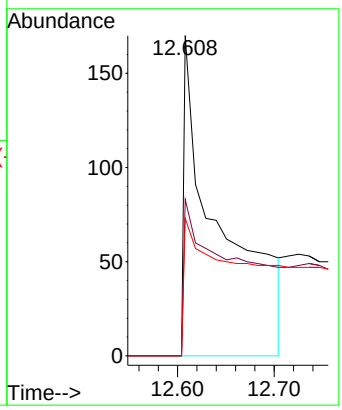


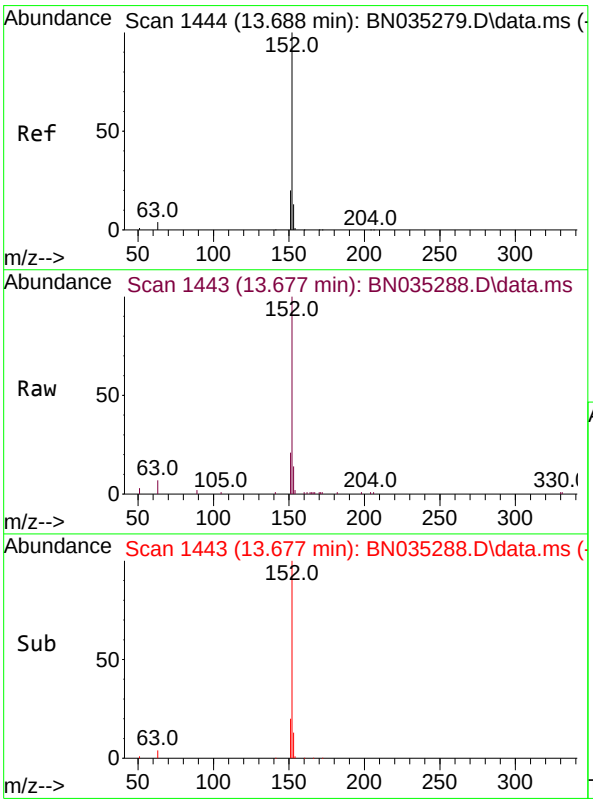
#15
2-Fluorobiphenyl
Concen: 0.146 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion:172 Resp: 421

Ion	Ratio	Lower	Upper
172	100		
171	48.8	36.6	55.0
170	42.9	29.7	44.5

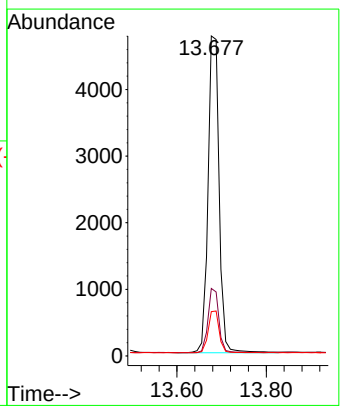


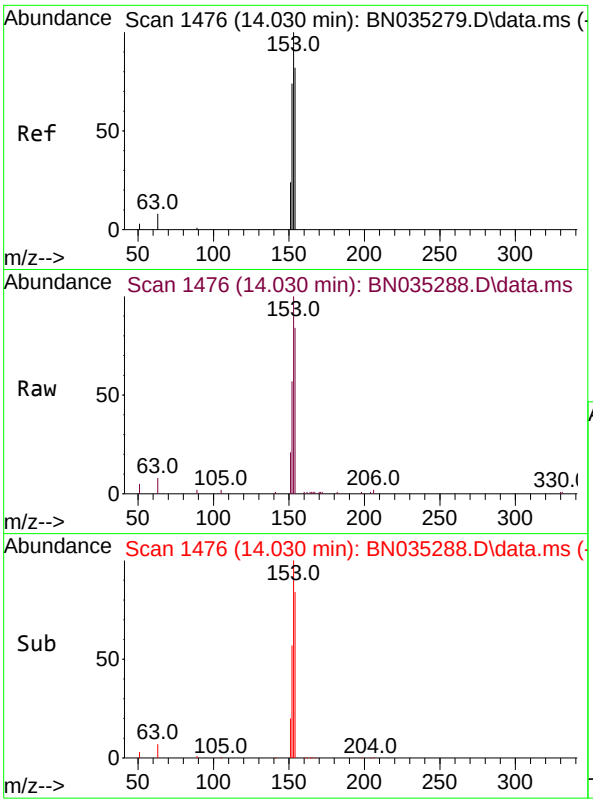


#16
Acenaphthylene
Concen: 0.312 ng
RT: 13.677 min Scan# 1443
Delta R.T. -0.011 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:152 Resp: 8167

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	13.1	10.2	15.4



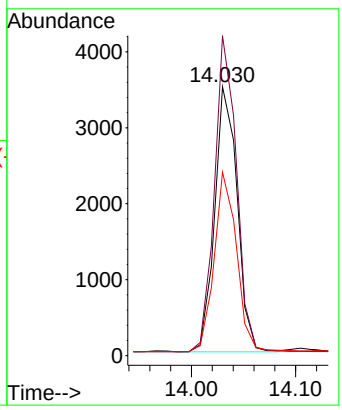


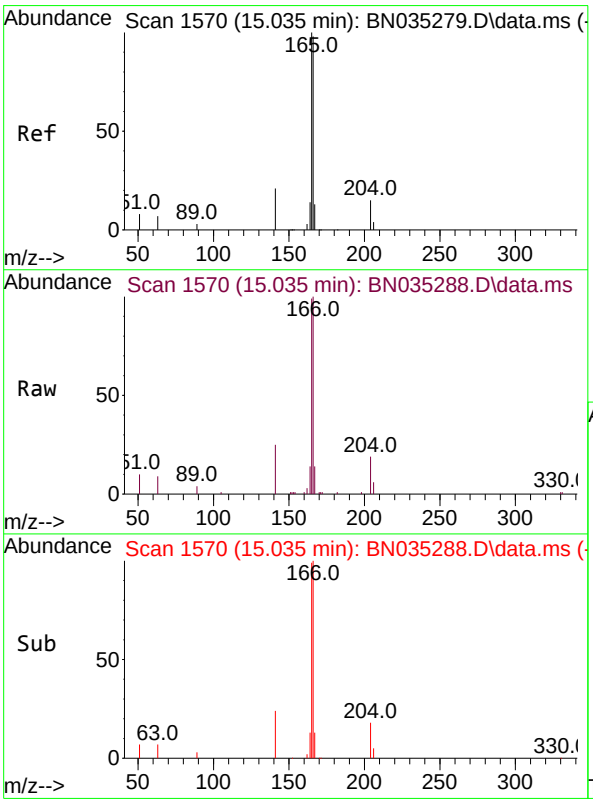
#17
Acenaphthene
Concen: 0.317 ng
RT: 14.030 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion:154 Resp: 5230

Ion	Ratio	Lower	Upper
154	100		
153	117.7	96.1	144.1
152	67.5	72.2	108.2#

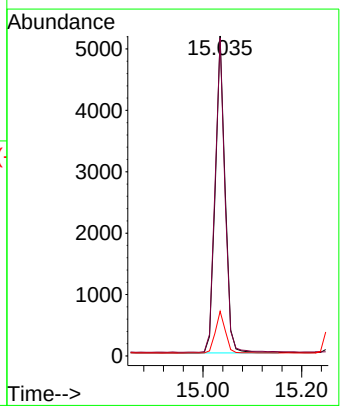


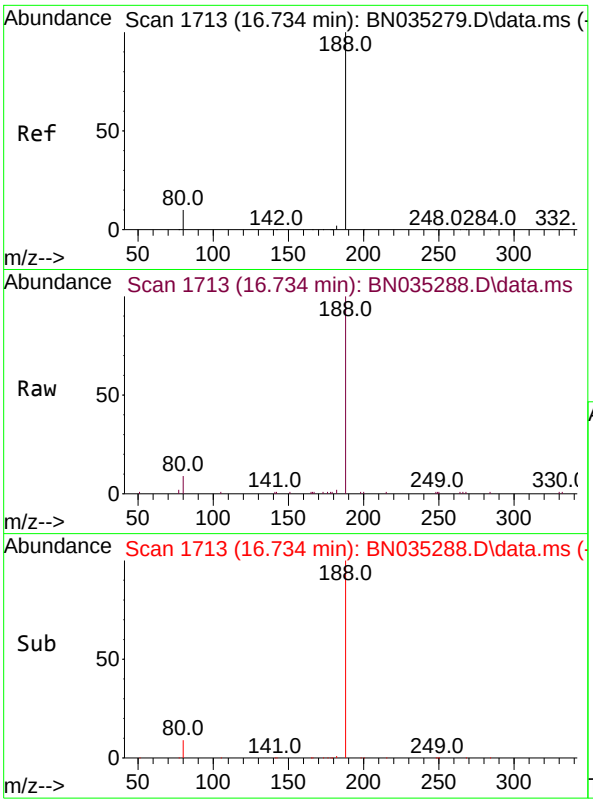


#18
Fluorene
Concen: 0.307 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:166 Resp: 7099

Ion	Ratio	Lower	Upper
166	100		
165	99.7	81.2	121.8
167	13.4	10.5	15.7



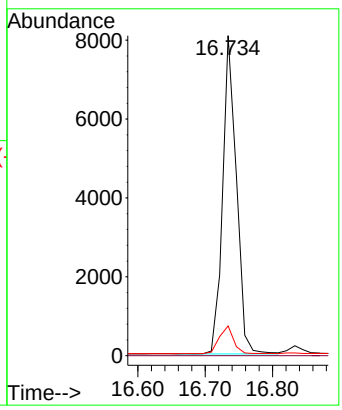


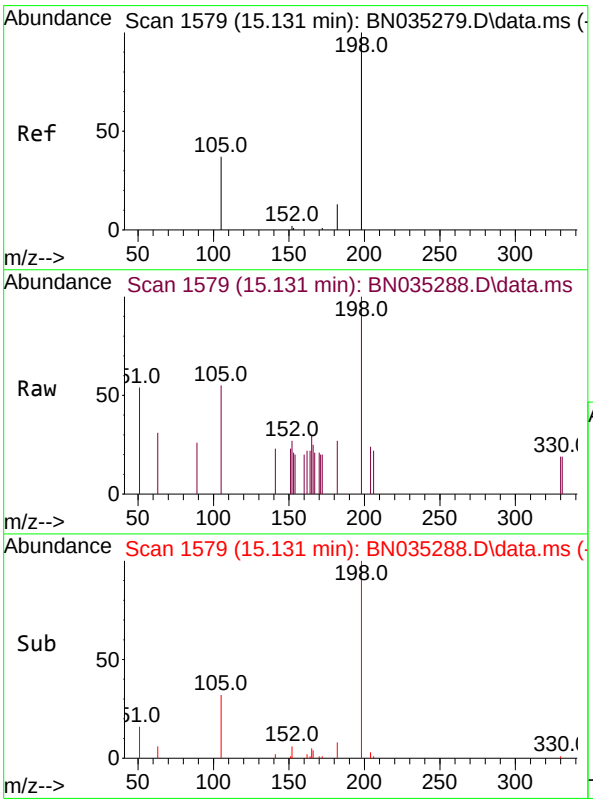
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion:188 Resp: 11399

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.3	8.9	13.3

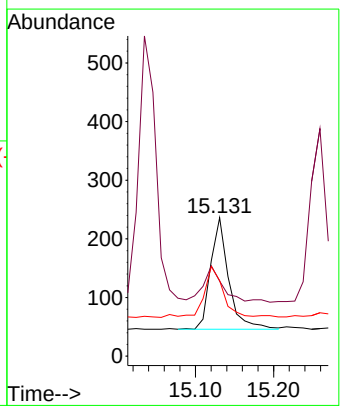


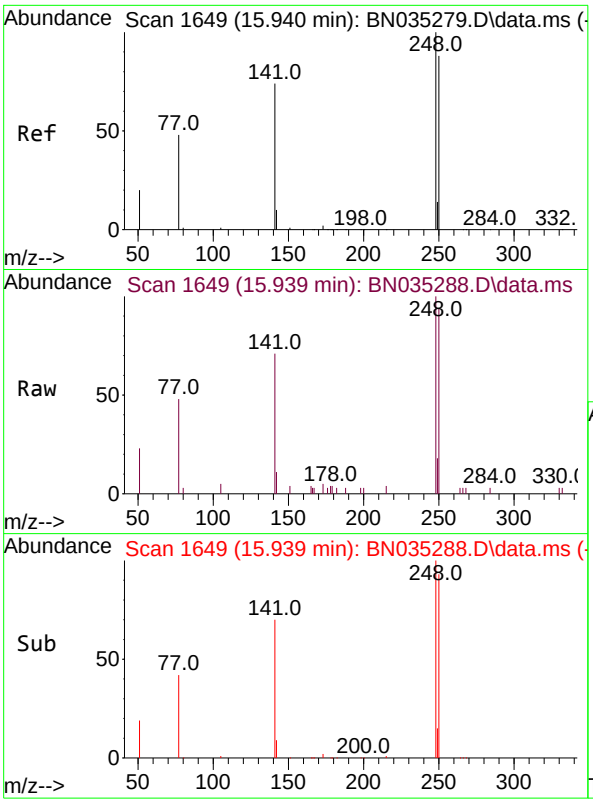


#20
4,6-Dinitro-2-methylphenol
Concen: 0.374 ng
RT: 15.131 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:198 Resp: 305

Ion	Ratio	Lower	Upper
198	100		
51	54.2	53.6	80.4
105	54.7	47.4	71.2



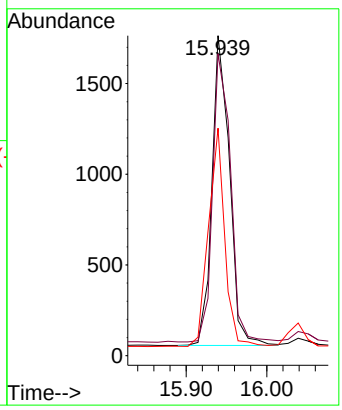


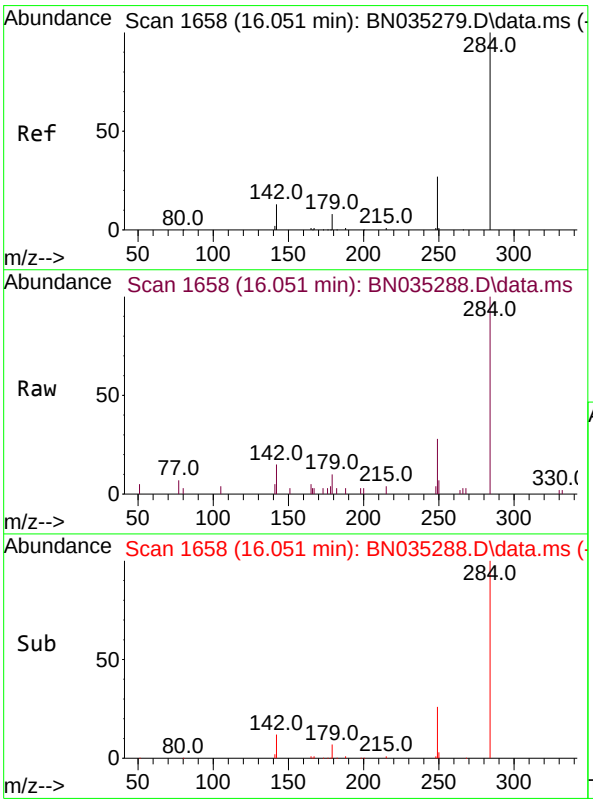
#21
4-Bromophenyl-phenylether
Concen: 0.356 ng
RT: 15.939 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion:248 Resp: 2574

Ion	Ratio	Lower	Upper
248	100		
250	94.3	74.8	112.2
141	71.1	59.0	88.4

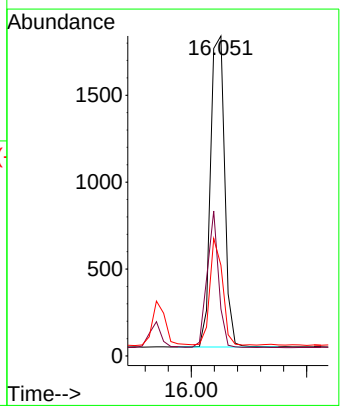


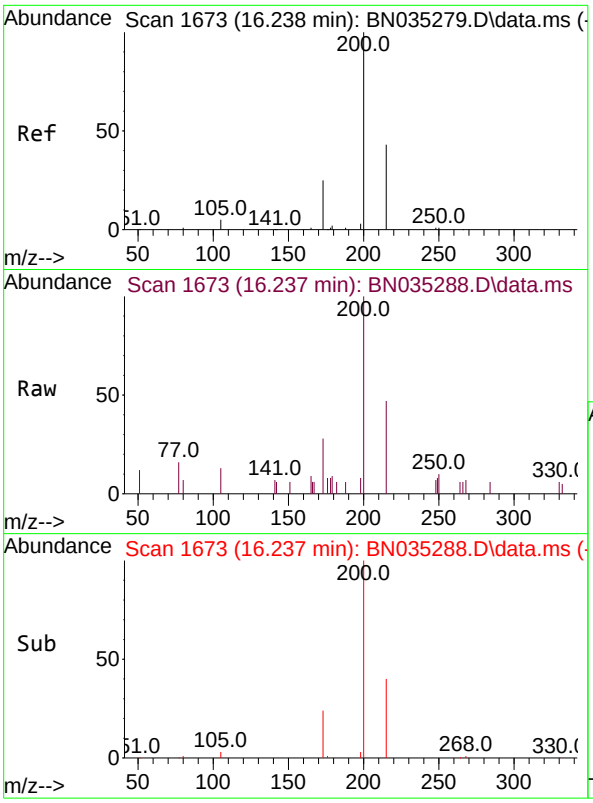


#22
Hexachlorobenzene
Concen: 0.292 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:284 Resp: 3029

Ion	Ratio	Lower	Upper
284	100		
142	36.0	28.7	43.1
249	30.9	25.4	38.0



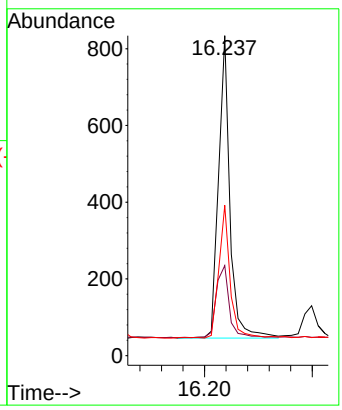


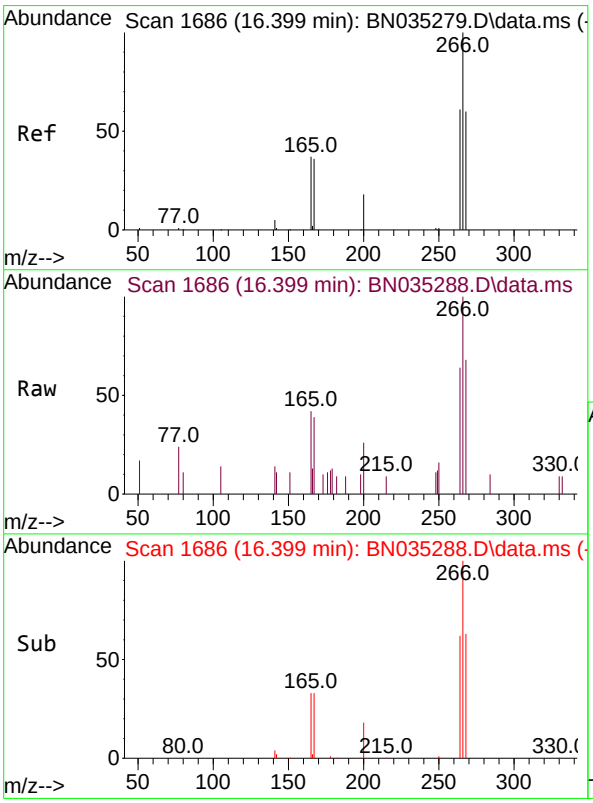
#23
Atrazine
Concen: 0.379 ng
RT: 16.237 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion:200 Resp: 1155

Ion	Ratio	Lower	Upper
200	100		
173	28.2	25.8	38.8
215	47.0	38.6	58.0

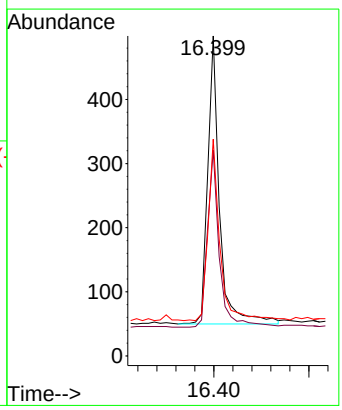


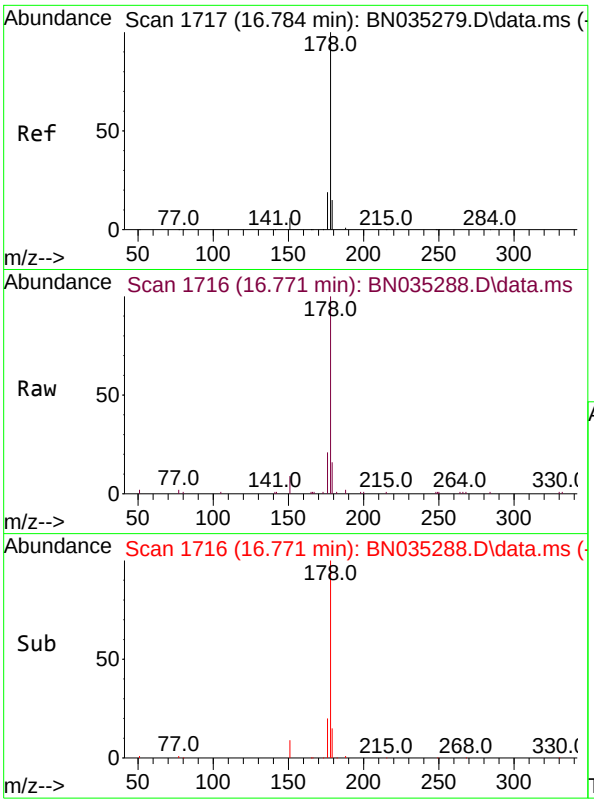


#24
Pentachlorophenol
Concen: 0.312 ng
RT: 16.399 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:266 Resp: 774

Ion	Ratio	Lower	Upper
266	100		
264	61.9	49.3	73.9
268	63.3	48.6	73.0



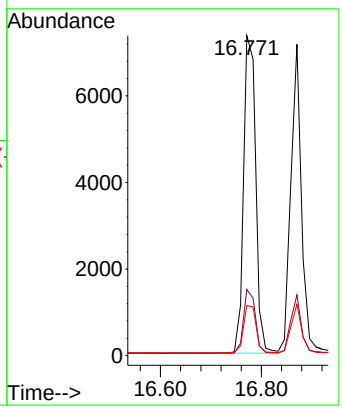


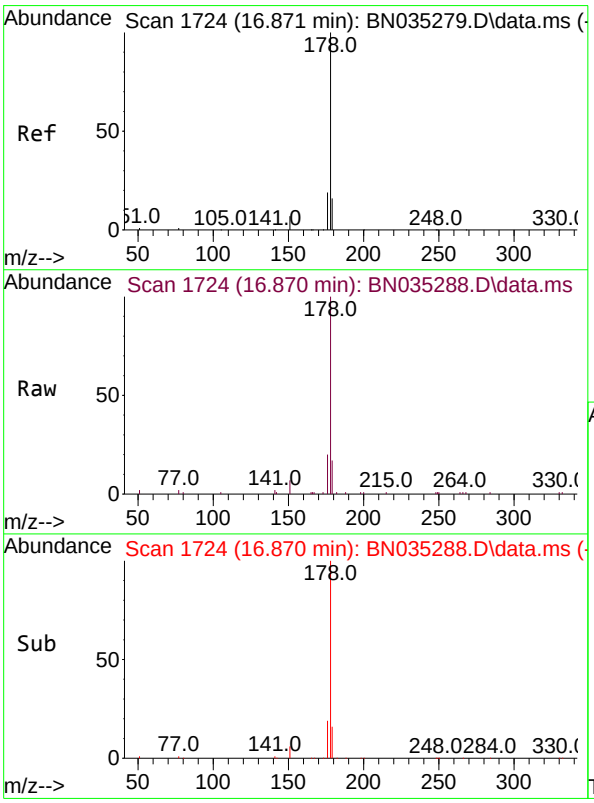
#25
Phenanthrene
Concen: 0.352 ng
RT: 16.771 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion:178 Resp: 12309

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.3	12.6	18.8

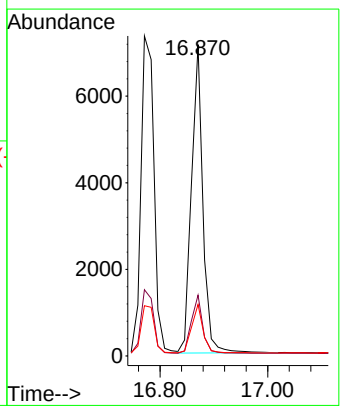


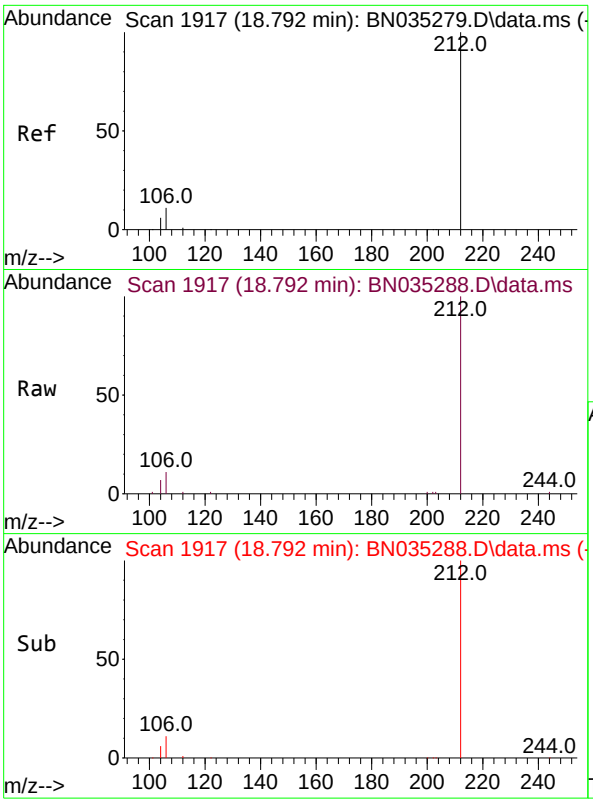


#26
Anthracene
Concen: 0.350 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:178 Resp: 10530

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.7	12.4	18.6



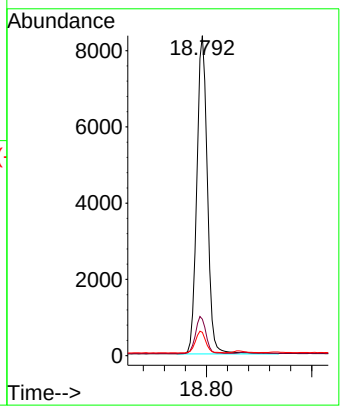


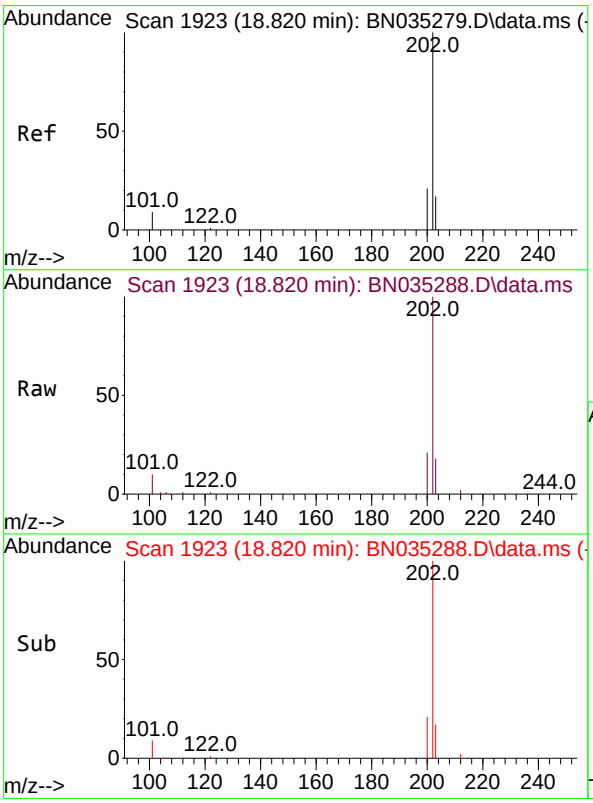
#27
Fluoranthene-d10
Concen: 0.381 ng
RT: 18.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion:212 Resp: 11634

Ion	Ratio	Lower	Upper
212	100		
106	11.5	9.8	14.8
104	6.7	5.6	8.4

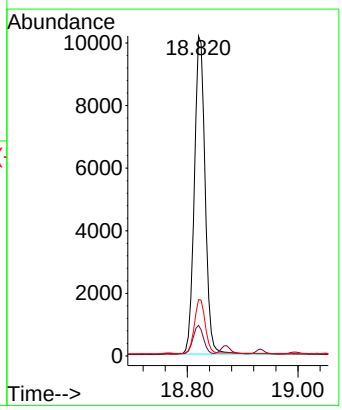


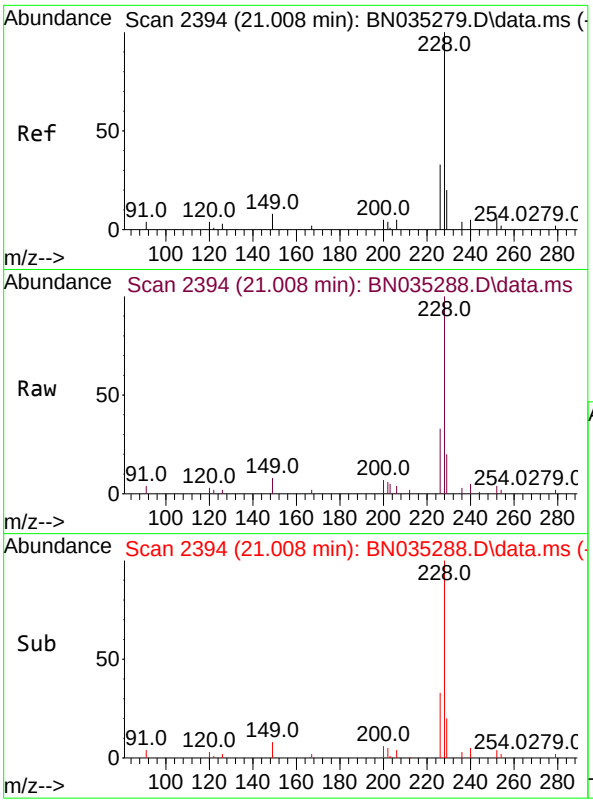


#28
Fluoranthene
Concen: 0.312 ng
RT: 18.820 min Scan# 1923
Delta R.T. 0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:202 Resp: 13774

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.6	11.4
203	17.0	13.8	20.8



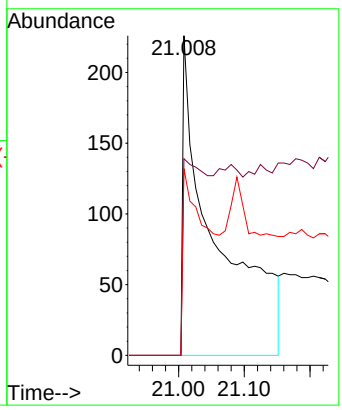


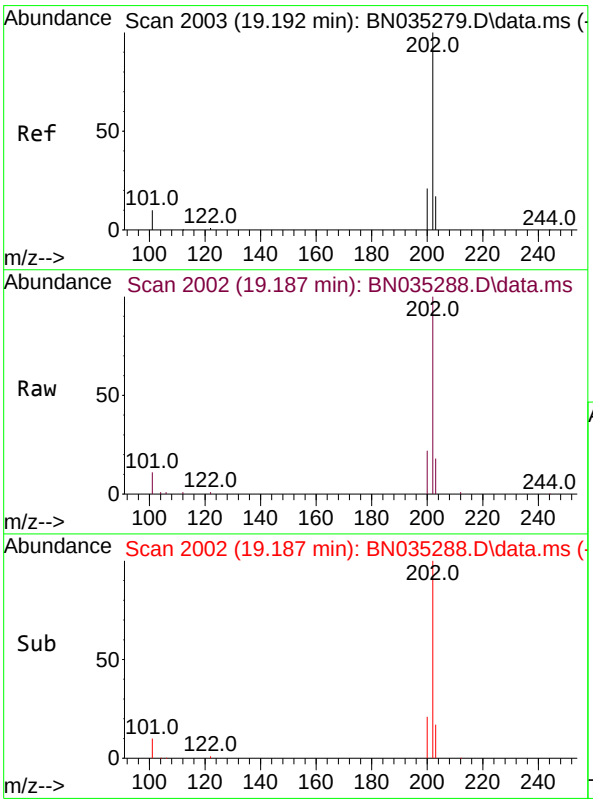
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion:240 Resp: 743

Ion	Ratio	Lower	Upper
240	100		
120	61.5	54.9	82.3
236	58.4	54.0	81.0

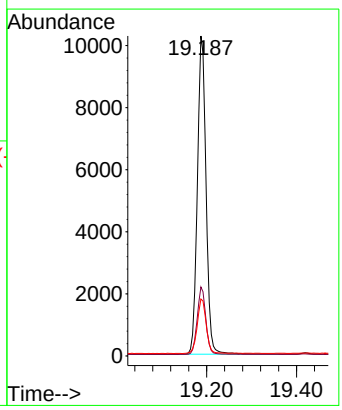


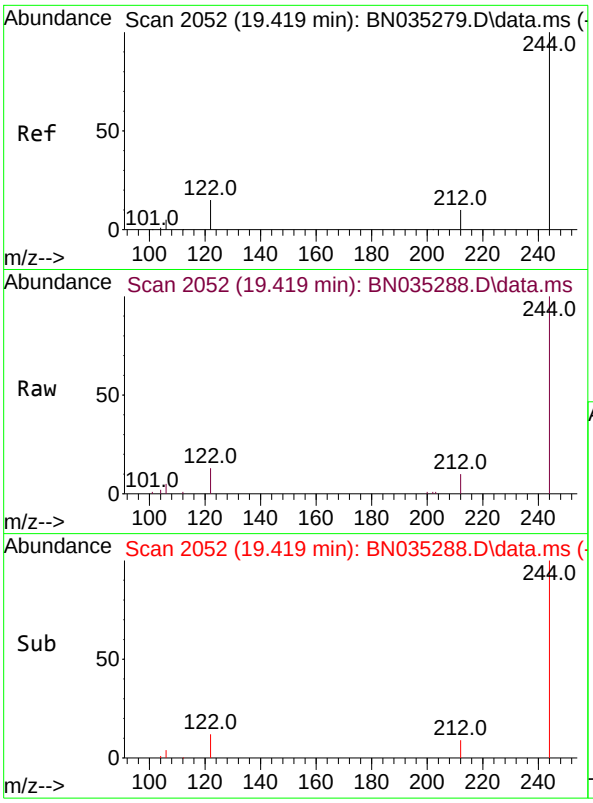


#30
Pyrene
Concen: 0.511 ng
RT: 19.187 min Scan# 2002
Delta R.T. -0.005 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:202 Resp: 13805

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.6	14.4	21.6



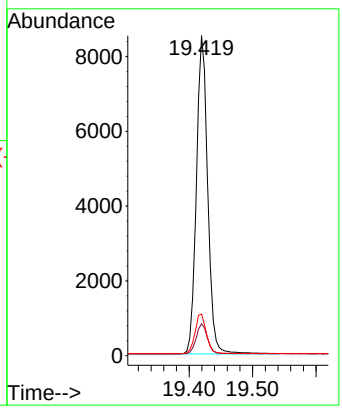


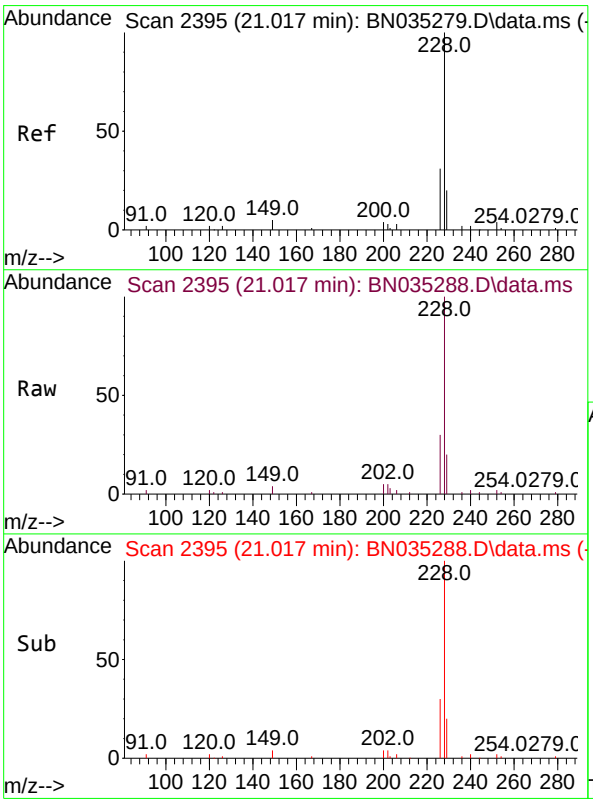
#31
Terphenyl-d14
Concen: 0.768 ng
RT: 19.419 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion:244 Resp: 10548

Ion	Ratio	Lower	Upper
244	100		
212	10.0	9.4	14.0
122	13.0	13.0	19.4

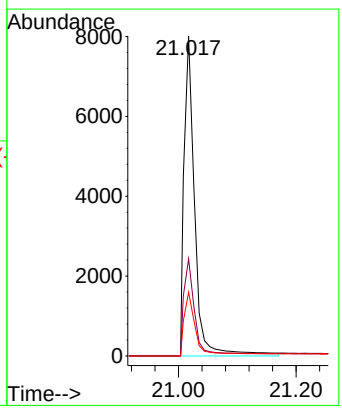


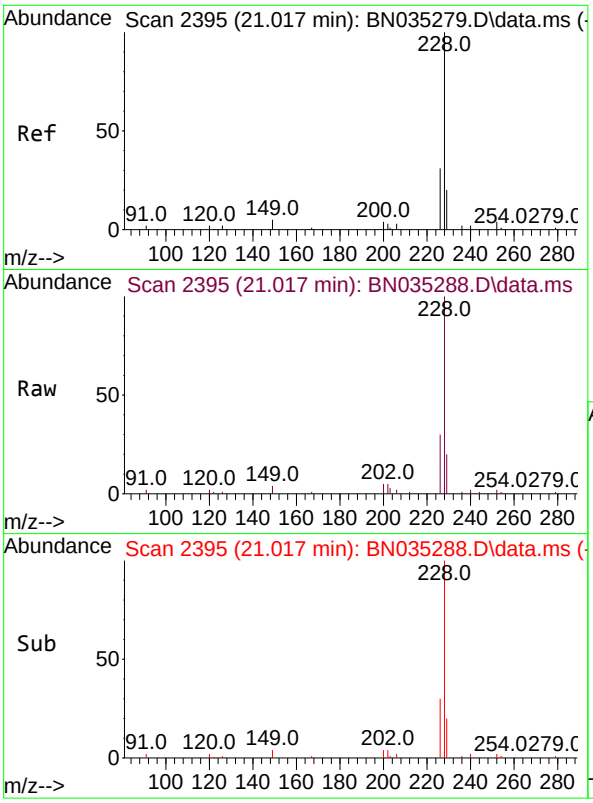


#32
Benzo(a)anthracene
Concen: 0.390 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:228 Resp: 10096

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	19.9	16.2	24.2



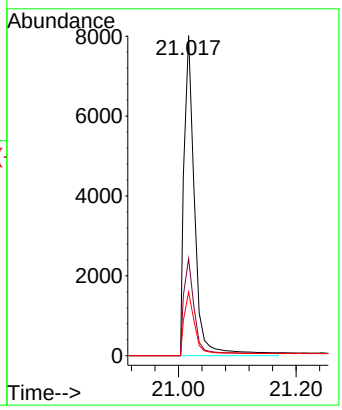


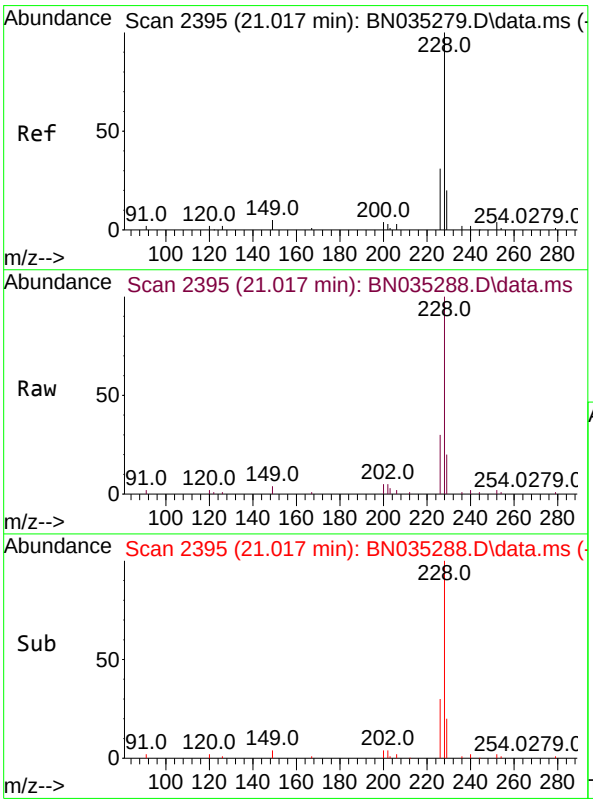
#33
Chrysene
Concen: 0.390 ng
RT: 21.017 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion:228 Resp: 10096

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	19.9	16.2	24.2

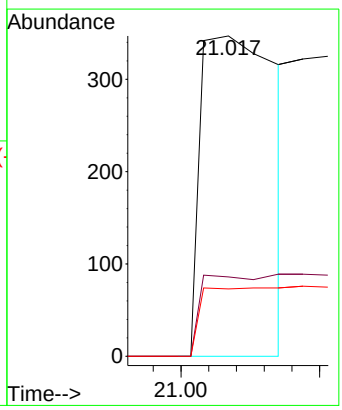


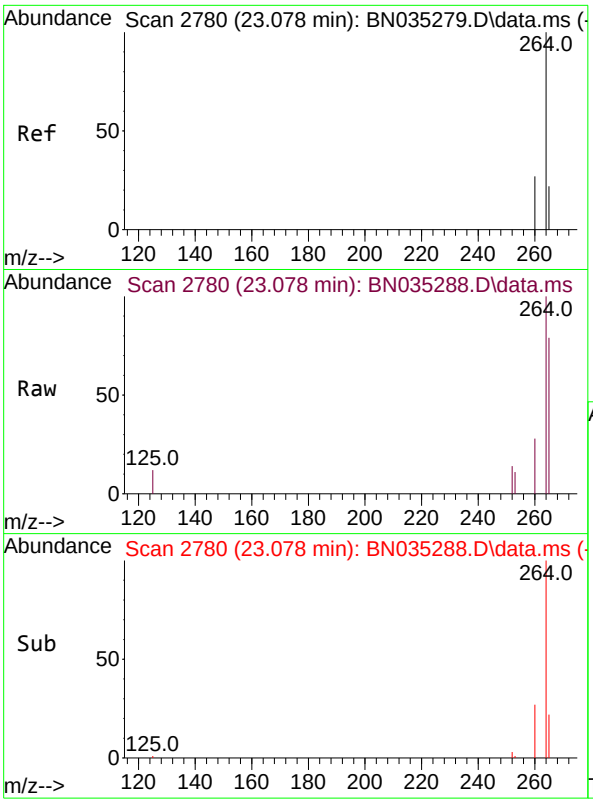


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.407 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:149 Resp: 578

Ion	Ratio	Lower	Upper
149	100		
167	18.2	0.0	0.0#
279	0.0	13.0	19.6#



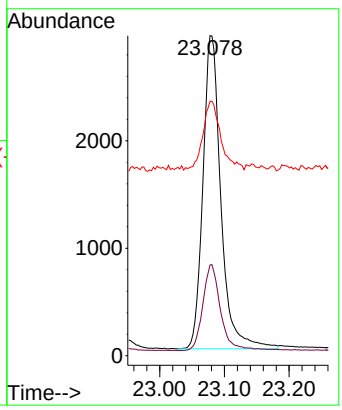


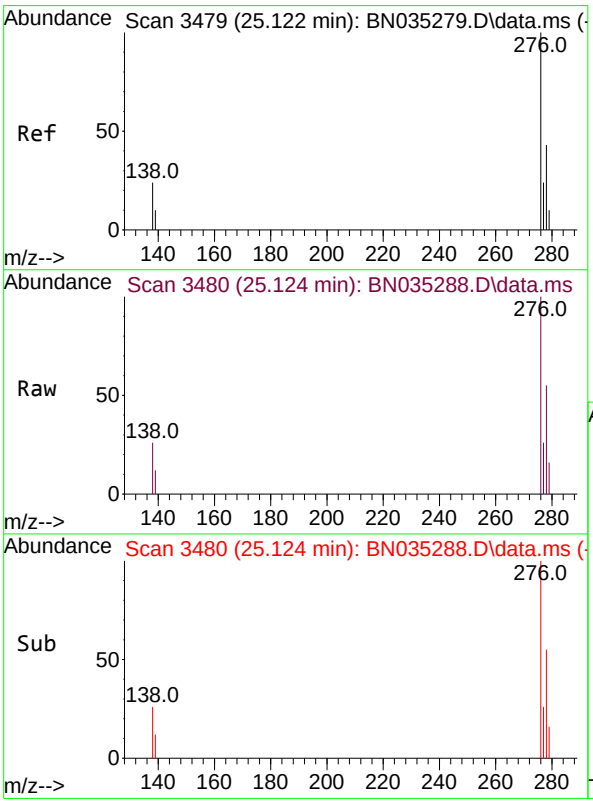
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.078 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion:264 Resp: 5613

Ion	Ratio	Lower	Upper
264	100		
260	28.4	22.3	33.5
265	79.5	68.6	103.0

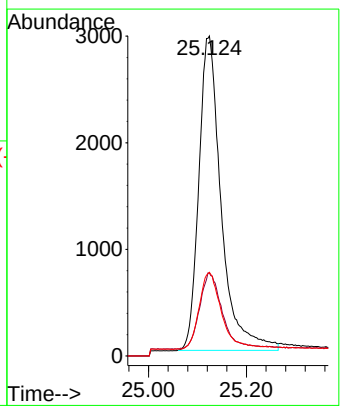


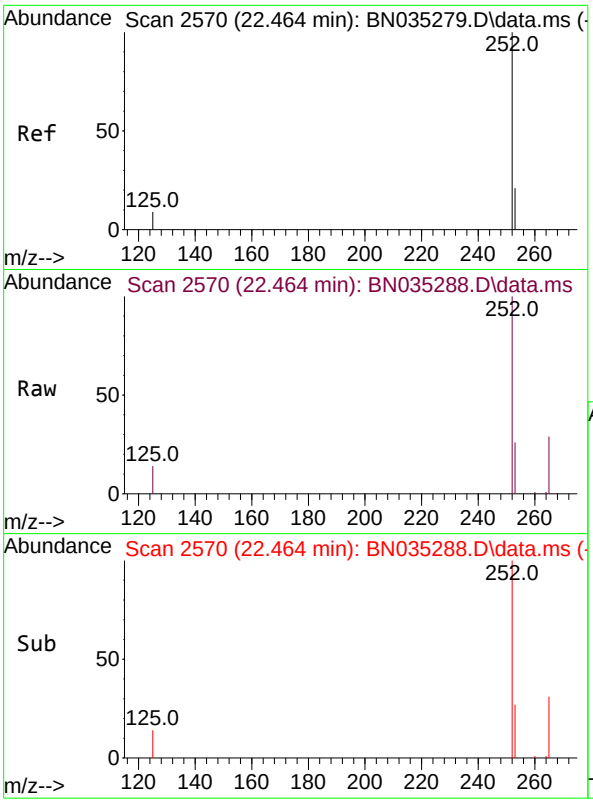


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.407 ng
RT: 25.124 min Scan# 3480
Delta R.T. 0.003 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:276 Resp: 9354

Ion	Ratio	Lower	Upper
276	100		
138	23.4	18.8	28.2
277	24.0	18.2	27.4



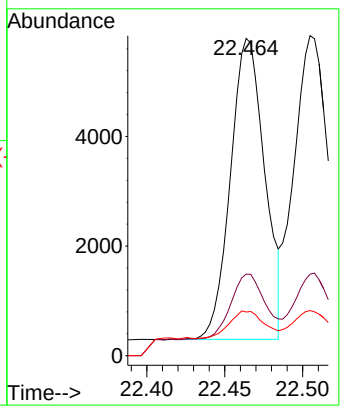


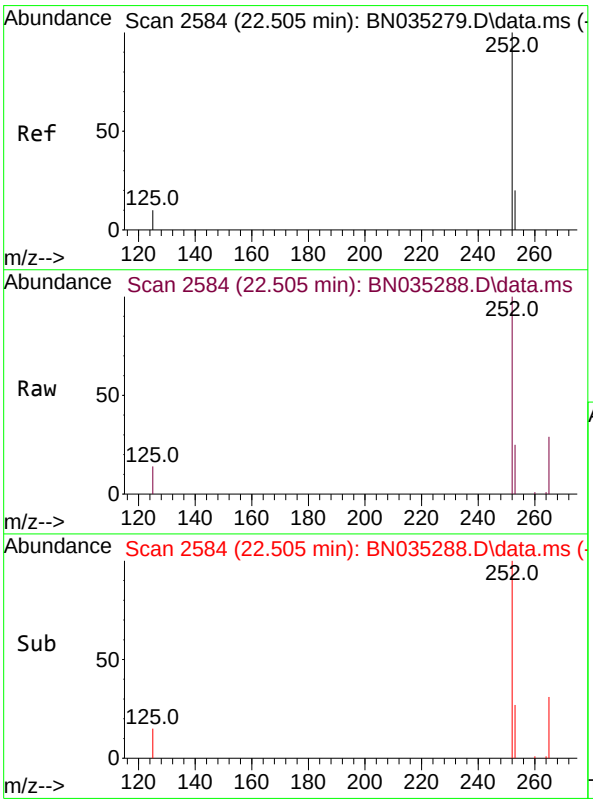
#37
Benzo(b)fluoranthene
Concen: 0.344 ng
RT: 22.464 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion:252 Resp: 8402

Ion	Ratio	Lower	Upper
252	100		
253	25.7	20.2	30.2
125	13.8	12.0	18.0

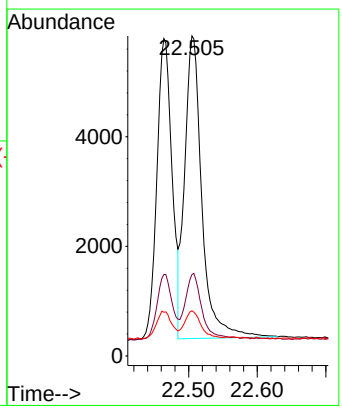


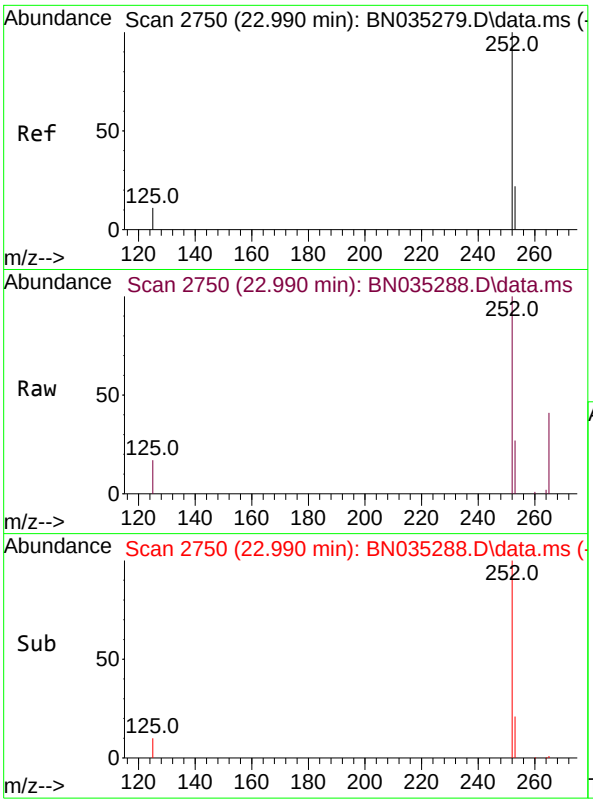


#38
Benzo(k)fluoranthene
Concen: 0.372 ng
RT: 22.505 min Scan# 2584
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:252 Resp: 9589

Ion	Ratio	Lower	Upper
252	100		
253	25.5	20.1	30.1
125	14.1	12.7	19.1



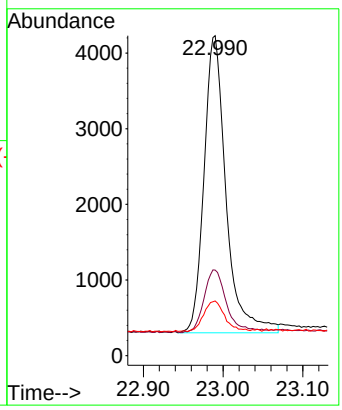


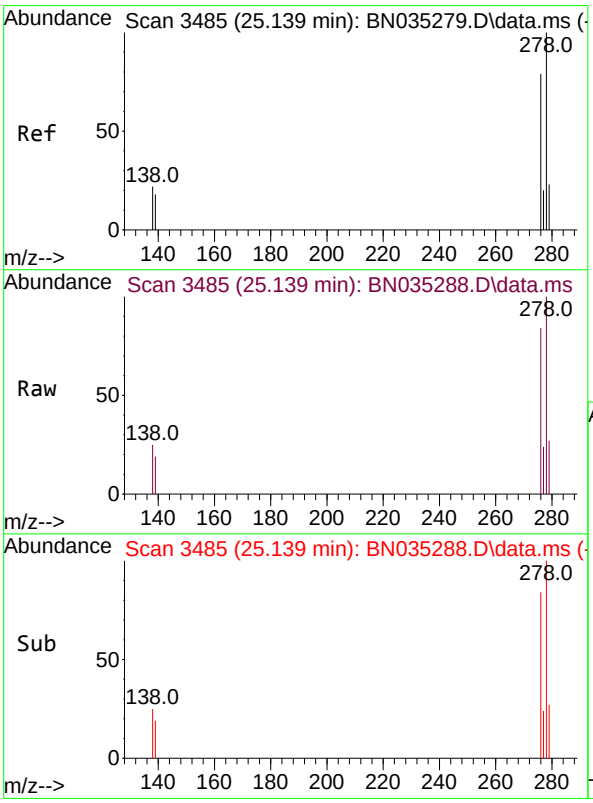
#39
Benzo(a)pyrene
Concen: 0.404 ng
RT: 22.990 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion:252 Resp: 7534

Ion	Ratio	Lower	Upper
252	100		
253	26.7	22.3	33.5
125	17.1	15.3	22.9

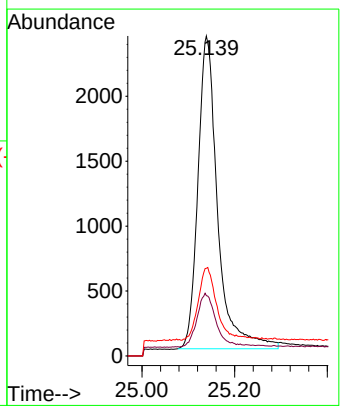


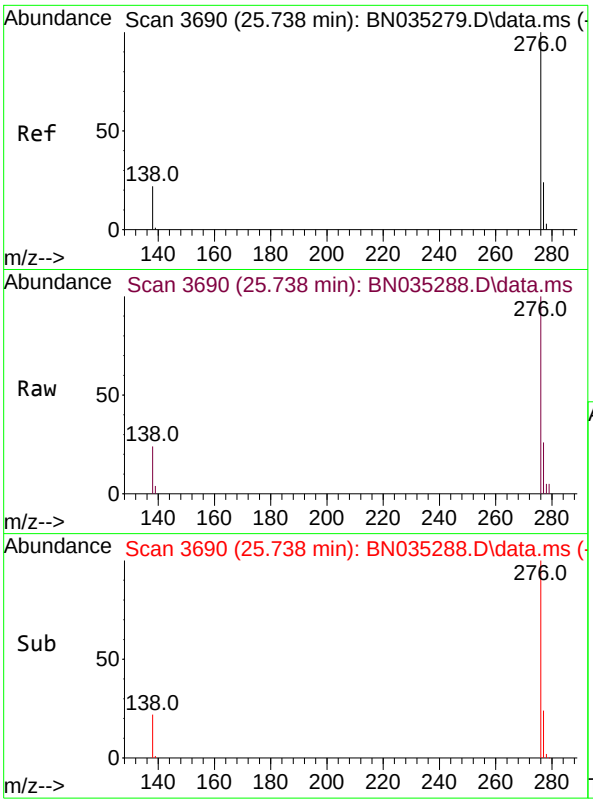


#40
Dibenzo(a,h)anthracene
Concen: 0.410 ng
RT: 25.139 min Scan# 3485
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Tgt Ion:278 Resp: 7128

Ion	Ratio	Lower	Upper
278	100		
139	18.9	17.0	25.6
279	27.4	23.0	34.4



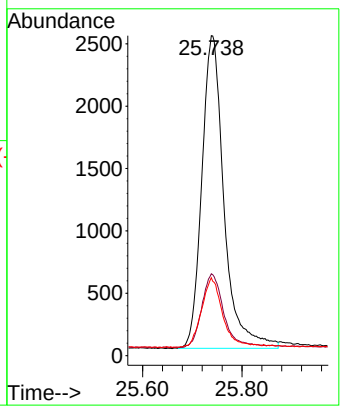


#41
Benzo(g,h,i)perylene
Concen: 0.387 ng
RT: 25.738 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN035288.D
Acq: 25 Nov 2024 17:32

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MS

Tgt Ion:276 Resp: 7780

Ion	Ratio	Lower	Upper
276	100		
277	25.6	21.1	31.7
138	24.4	19.8	29.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035289.D
Acq On : 25 Nov 2024 18:08
Operator : RC/JU
Sample : P4934-07MSD
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Quant Time: Nov 26 03:31:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.315	152	3339	0.400	ng		0.00
7) Naphthalene-d8	10.063	136	8134	0.400	ng	#	0.00
13) Acenaphthene-d10	13.973	164	4891	0.400	ng	#	0.00
19) Phenanthrene-d10	16.741	188	10884	0.400	ng	#	0.00
29) Chrysene-d12	21.006	240	706	0.400	ng	#	0.00
35) Perylene-d12	23.078	264	5495	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.968	112	1508	0.239	ng		0.00
5) Phenol-d6	6.521	99	1353	0.154	ng		0.00
8) Nitrobenzene-d5	8.451	82	1421	0.215	ng		0.00
11) 2-Methylnaphthalene-d10	11.663	152	4611	0.405	ng		0.00
14) 2,4,6-Tribromophenol	15.480	330	693	0.278	ng		0.00
15) 2-Fluorobiphenyl	12.604	172	705	0.261	ng		0.00
27) Fluoranthene-d10	18.790	212	12387	0.425	ng		0.00
31) Terphenyl-d14	19.422	244	11299	0.866	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.003	88	513	0.214	ng		98
3) n-Nitrosodimethylamine	3.300	42	342	0.137	ng	#	66
6) bis(2-Chloroethyl)ether	6.766	93	2896	0.390	ng		100
9) Naphthalene	10.105	128	7573	0.336	ng		99
10) Hexachlorobutadiene	10.404	225	1554	0.245	ng	#	100
12) 2-Methylnaphthalene	11.742	142	5217	0.353	ng		99
16) Acenaphthylene	13.684	152	8019	0.326	ng		99
17) Acenaphthene	14.037	154	5118	0.330	ng	#	88
18) Fluorene	15.031	166	7060	0.325	ng		98
20) 4,6-Dinitro-2-methylph...	15.127	198	326	0.396	ng		93
21) 4-Bromophenyl-phenylether	15.947	248	2609	0.378	ng	#	78
22) Hexachlorobenzene	16.046	284	2959	0.299	ng		100
23) Atrazine	16.232	200	1177	0.405	ng		100
24) Pentachlorophenol	16.393	266	881	0.371	ng		98
25) Phenanthrene	16.778	178	12541	0.375	ng		100
26) Anthracene	16.865	178	10829	0.377	ng		100
28) Fluoranthene	18.823	202	14601	0.346	ng		99
30) Pyrene	19.189	202	14755	0.575	ng		100
32) Benzo(a)anthracene	21.015	228	11175	0.455	ng		99
33) Chrysene	21.015	228	11175	0.455	ng		99
34) Bis(2-ethylhexyl)phtha...	21.006	149	746	0.552	ng	#	97
36) Indeno(1,2,3-cd)pyrene	25.122	276	9501	0.422	ng		99
37) Benzo(b)fluoranthene	22.464	252	8918	0.373	ng		99
38) Benzo(k)fluoranthene	22.505	252	9698	0.384	ng		97
39) Benzo(a)pyrene	22.988	252	7735	0.424	ng		97
40) Dibenzo(a,h)anthracene	25.140	278	7121	0.419	ng		97
41) Benzo(g,h,i)perylene	25.739	276	7906	0.402	ng		98

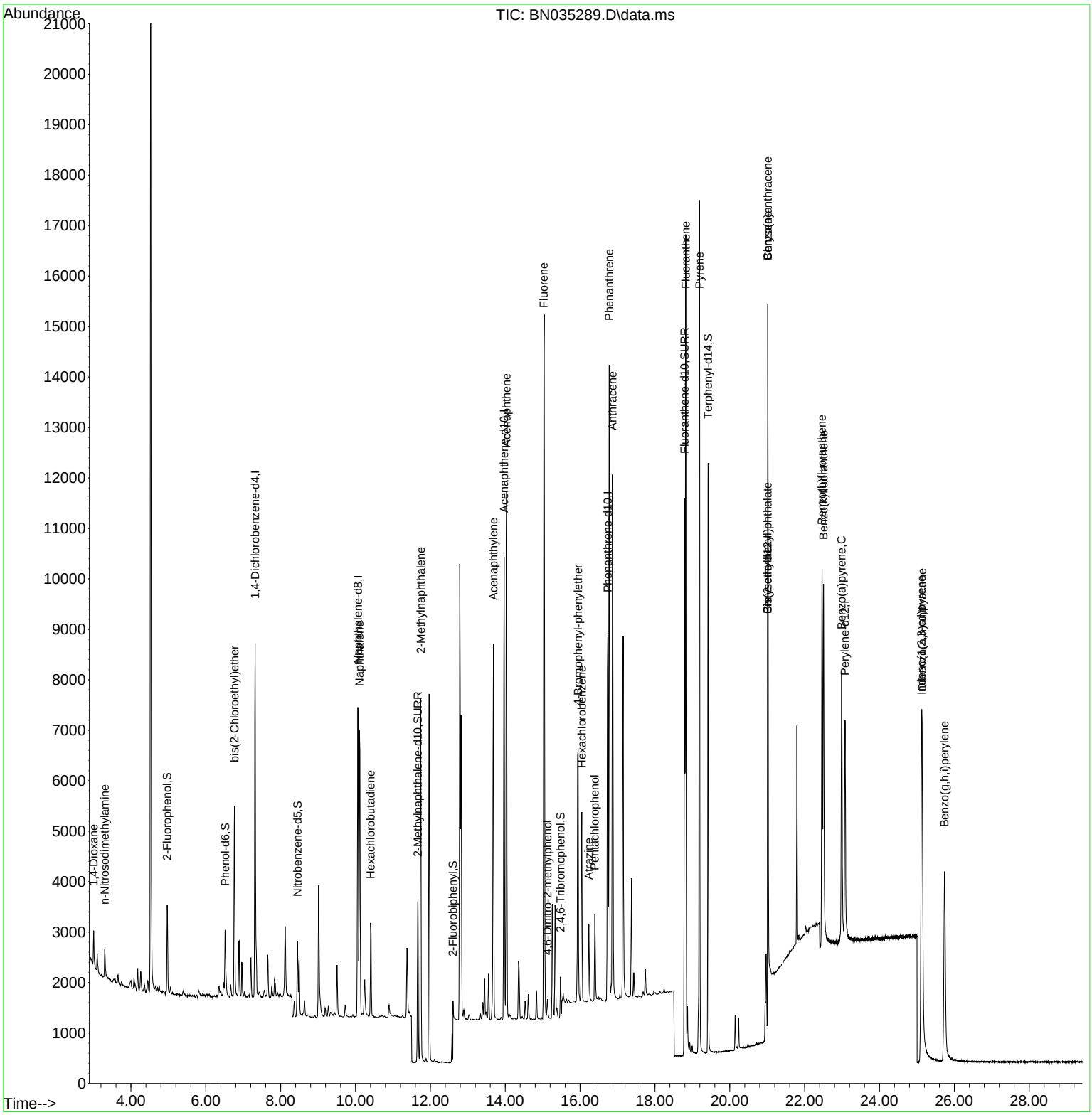
(#) = qualifier out of range (m) = manual integration (+) = signals summed

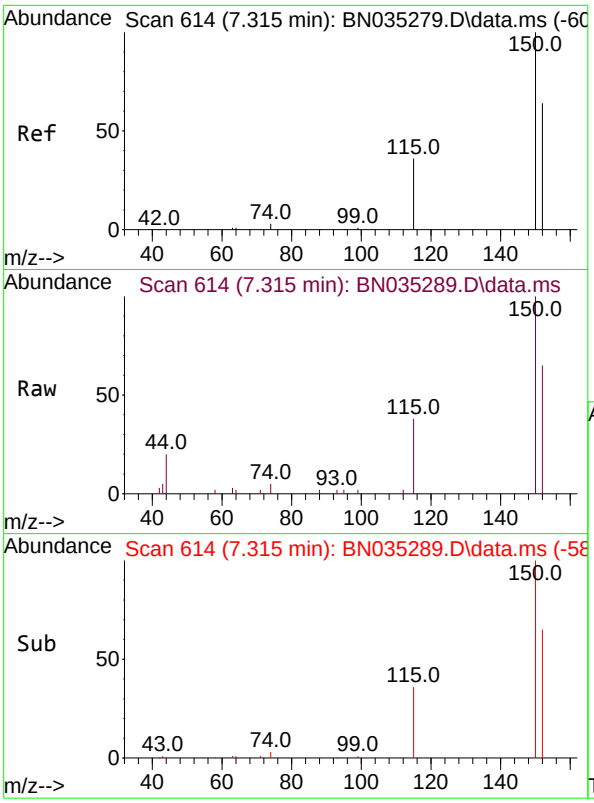
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035289.D
Acq On : 25 Nov 2024 18:08
Operator : RC/JU
Sample : P4934-07MSD
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Quant Time: Nov 26 03:31:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration



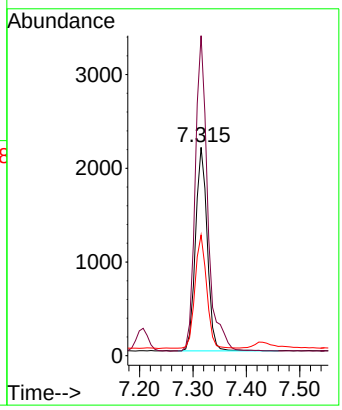


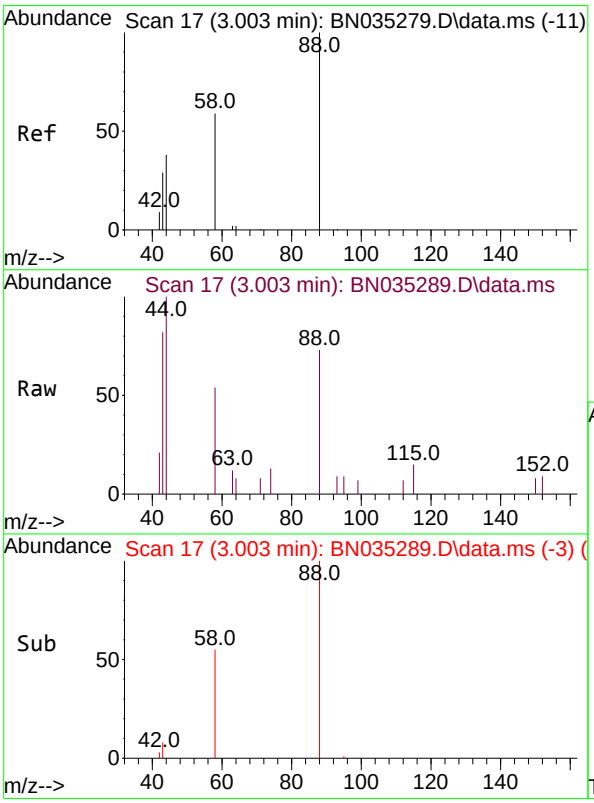
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion:152 Resp: 3339

Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.5	186.7
115	57.9	47.8	71.8

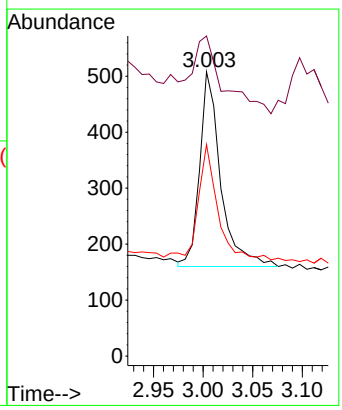


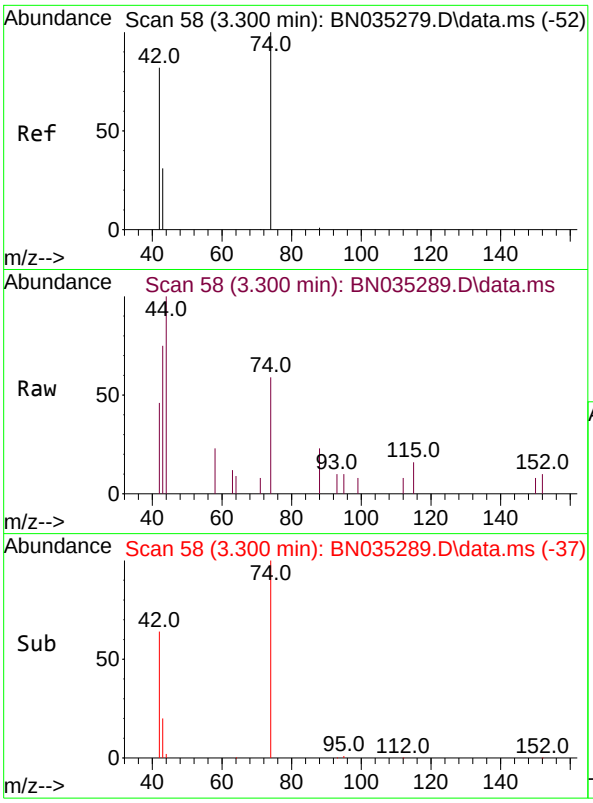


#2
1,4-Dioxane
Concen: 0.214 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion: 88 Resp: 513

Ion	Ratio	Lower	Upper
88	100		
43	60.2	48.1	72.1
58	55.2	46.9	70.3



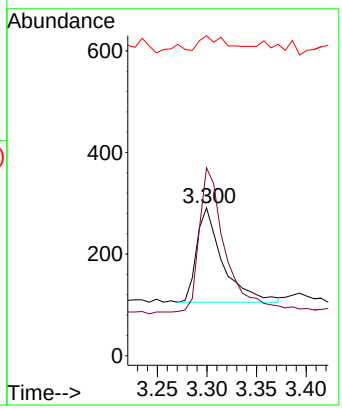


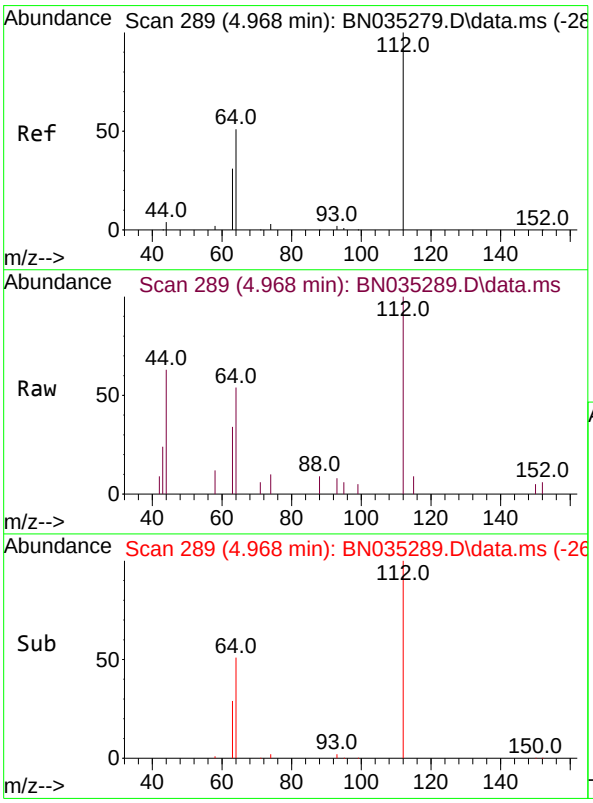
#3
n-Nitrosodimethylamine
Concen: 0.137 ng
RT: 3.300 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion: 42 Resp: 342

Ion	Ratio	Lower	Upper
42	100		
74	165.8	102.7	154.1#
44	17.3	34.1	51.1#

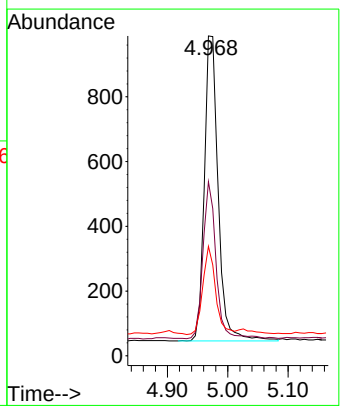


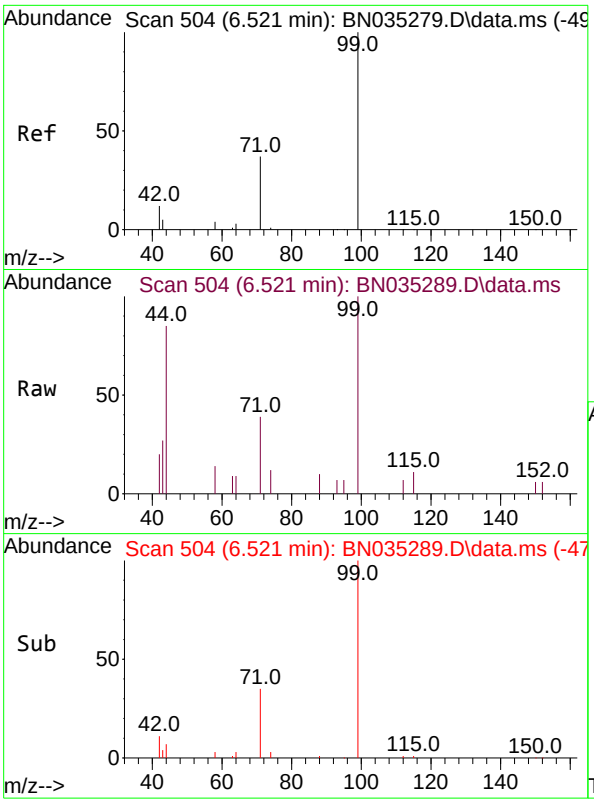


#4
2-Fluorophenol
Concen: 0.239 ng
RT: 4.968 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:112 Resp: 1508

Ion	Ratio	Lower	Upper
112	100		
64	48.6	40.4	60.6
63	26.7	23.8	35.8



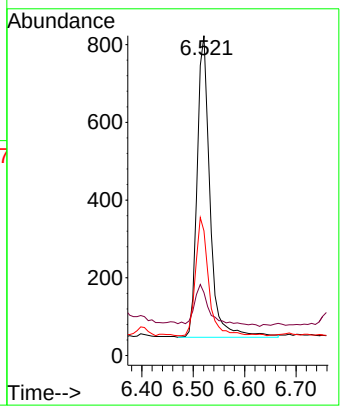


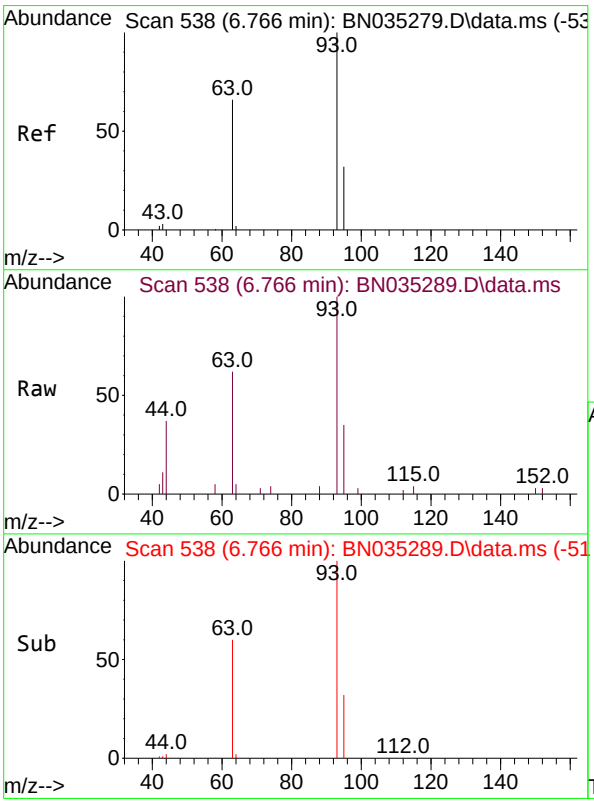
#5
Phenol-d6
Concen: 0.154 ng
RT: 6.521 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion: 99 Resp: 1353

Ion	Ratio	Lower	Upper
99	100		
42	16.9	12.8	19.2
71	39.3	31.4	47.2

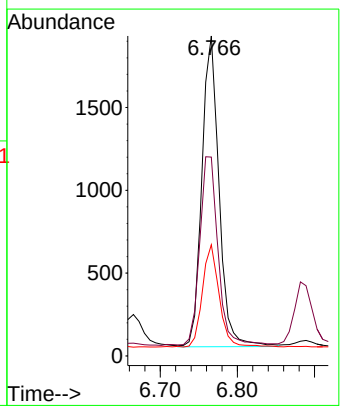


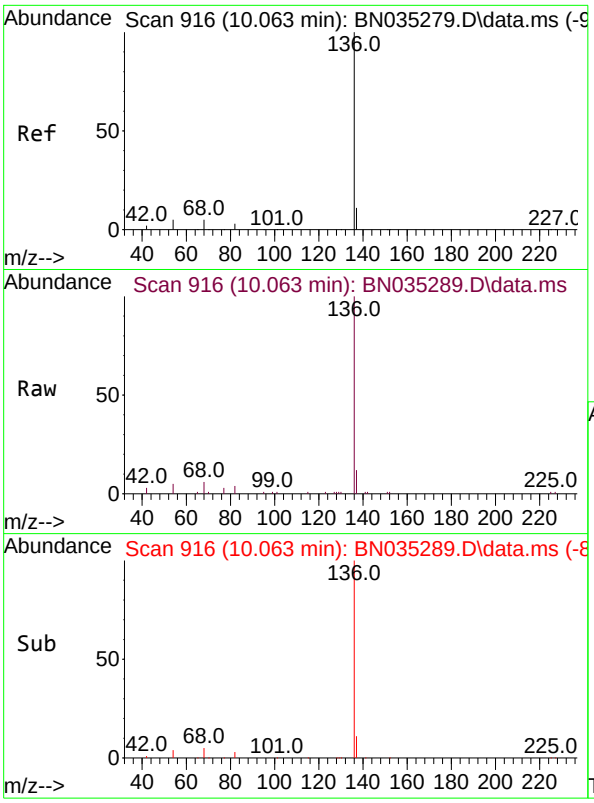


#6
bis(2-Chloroethyl)ether
Concen: 0.390 ng
RT: 6.766 min Scan# 538
Delta R.T. 0.000 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion: 93 Resp: 2896

Ion	Ratio	Lower	Upper
93	100		
63	64.9	52.3	78.5
95	32.0	25.5	38.3



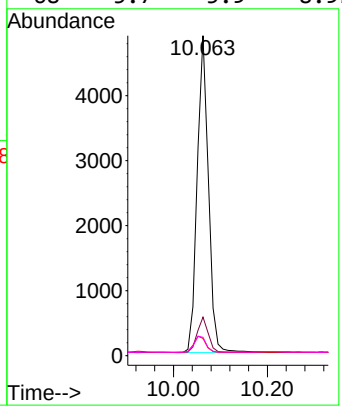


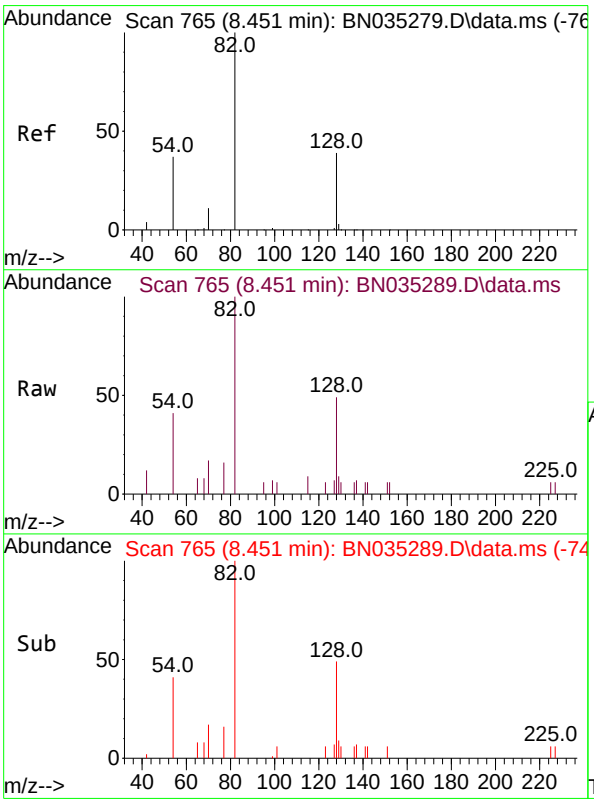
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion:136 Resp: 8134

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.7	14.5
54	5.4	5.3	7.9
68	5.7	5.9	8.9#

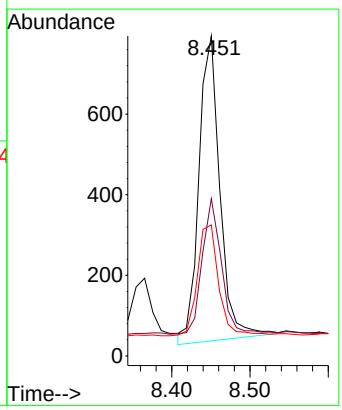


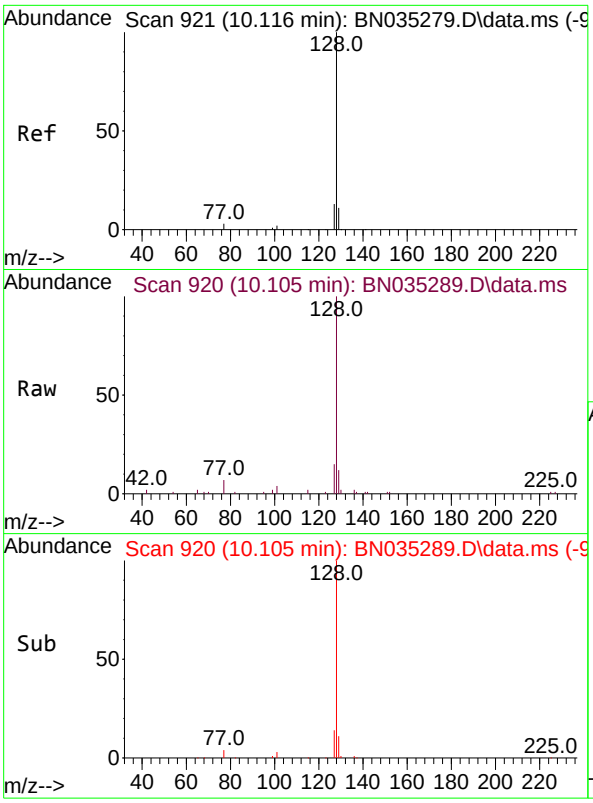


#8
Nitrobenzene-d5
Concen: 0.215 ng
RT: 8.451 min Scan# 765
Delta R.T. 0.000 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion: 82 Resp: 1421

Ion	Ratio	Lower	Upper
82	100		
128	49.1	33.0	49.4
54	40.9	33.3	49.9



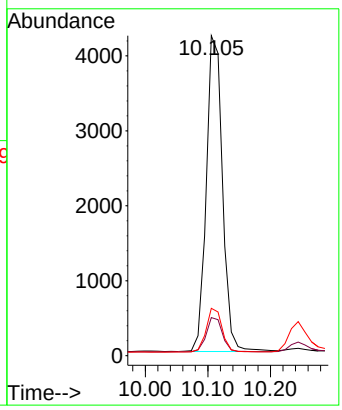


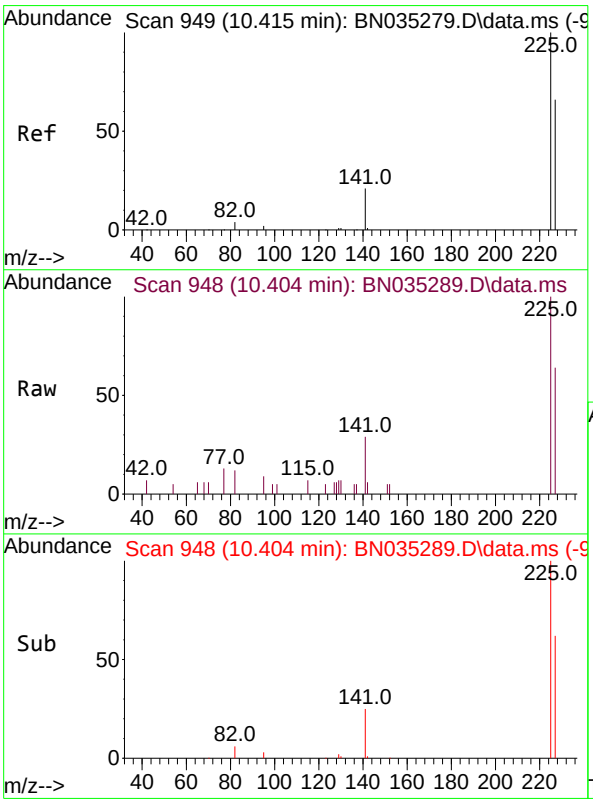
#9
Naphthalene
Concen: 0.336 ng
RT: 10.105 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion:128 Resp: 7573

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.6	14.4
127	14.8	11.3	16.9

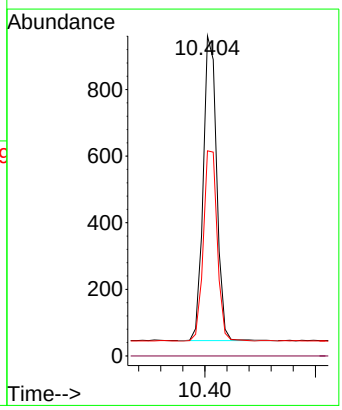


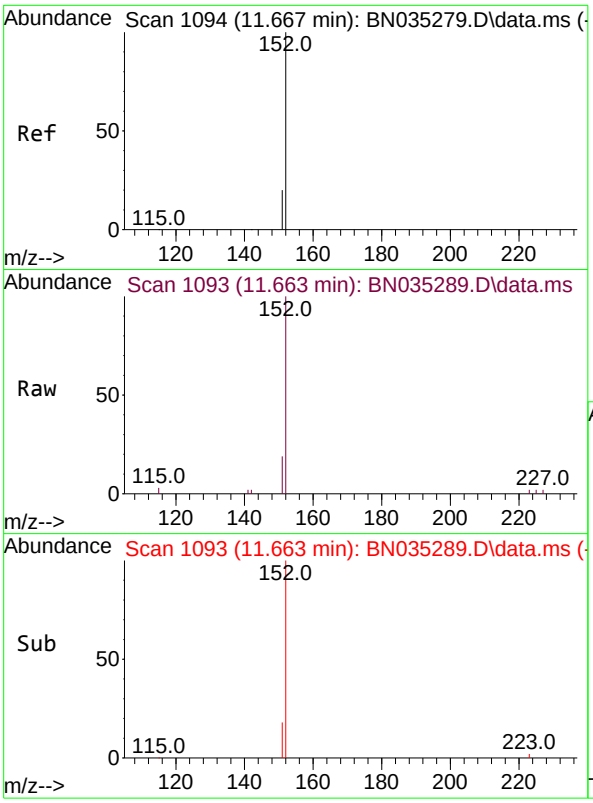


#10
Hexachlorobutadiene
Concen: 0.245 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:225 Resp: 1554

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	51.3	76.9



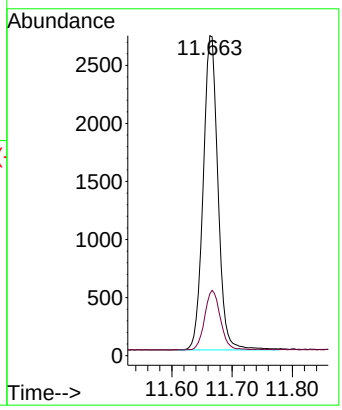


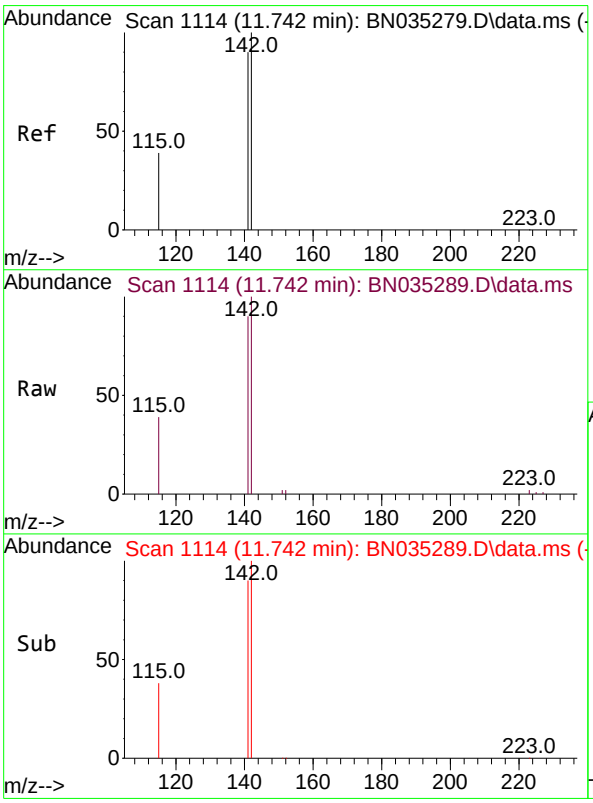
#11
2-Methylnaphthalene-d10
Concen: 0.405 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion:152 Resp: 4611

Ion	Ratio	Lower	Upper
152	100		
151	20.0	17.2	25.8

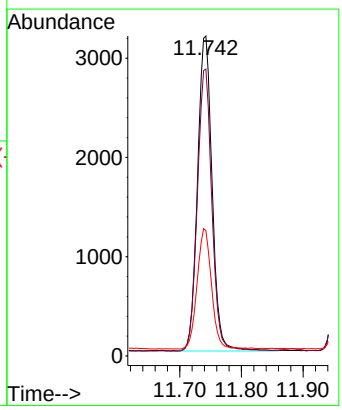


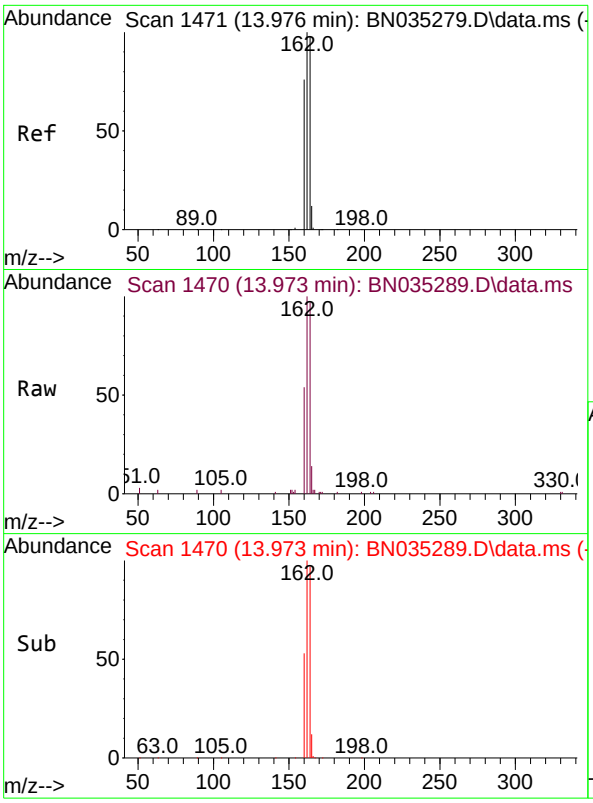


#12
2-Methylnaphthalene
Concen: 0.353 ng
RT: 11.742 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:142 Resp: 5217

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.8	107.8
115	39.2	32.6	49.0



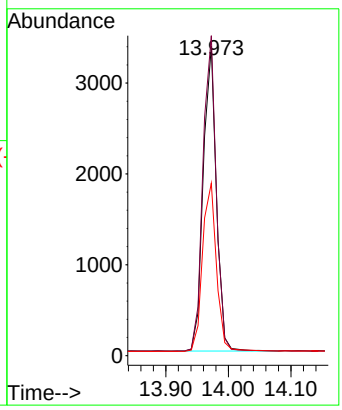


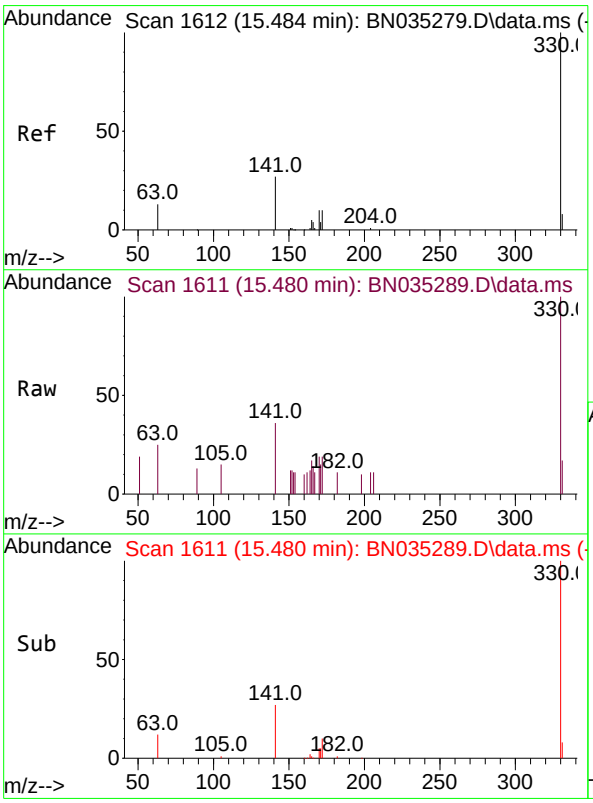
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.973 min Scan# 14
Delta R.T. -0.004 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion:164 Resp: 4891

Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.0	123.0
160	55.8	63.0	94.4#

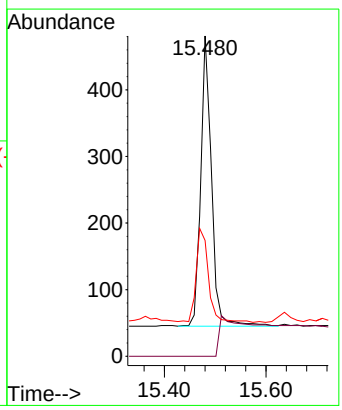


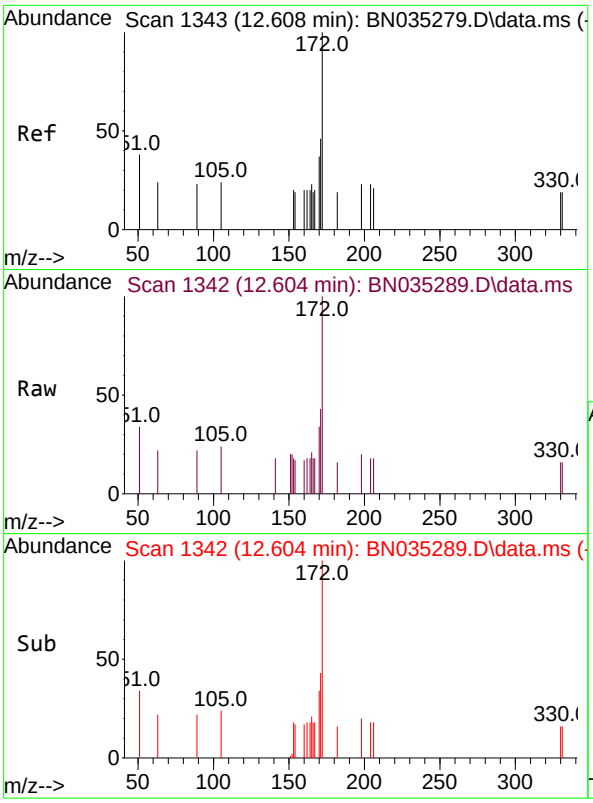


#14
2,4,6-Tribromophenol
Concen: 0.278 ng
RT: 15.480 min Scan# 1611
Delta R.T. -0.004 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:330 Resp: 693

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	36.4	32.4	48.6



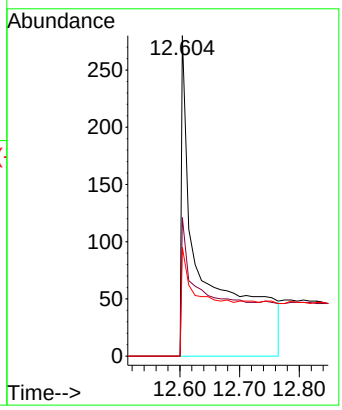


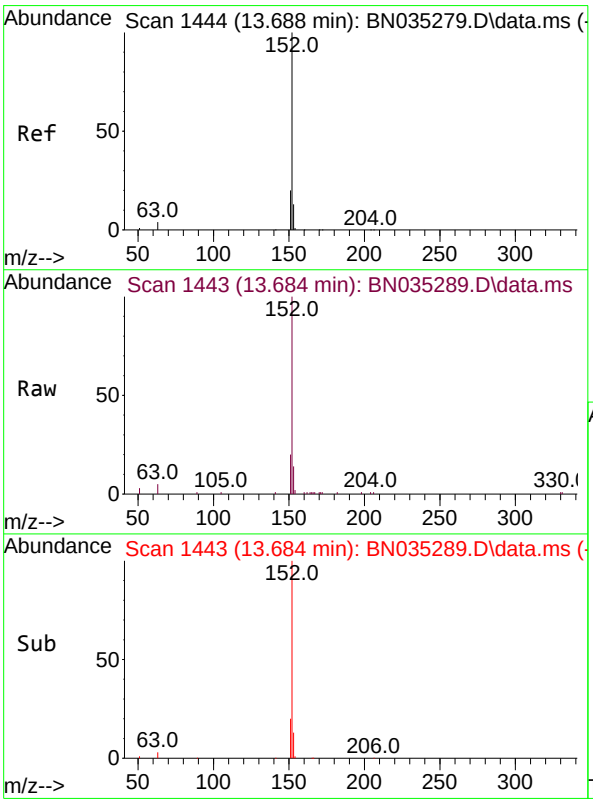
#15
2-Fluorobiphenyl
Concen: 0.261 ng
RT: 12.604 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion:172 Resp: 705

Ion	Ratio	Lower	Upper
172	100		
171	43.2	36.6	55.0
170	33.9	29.7	44.5

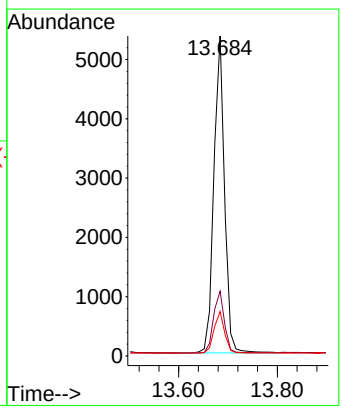


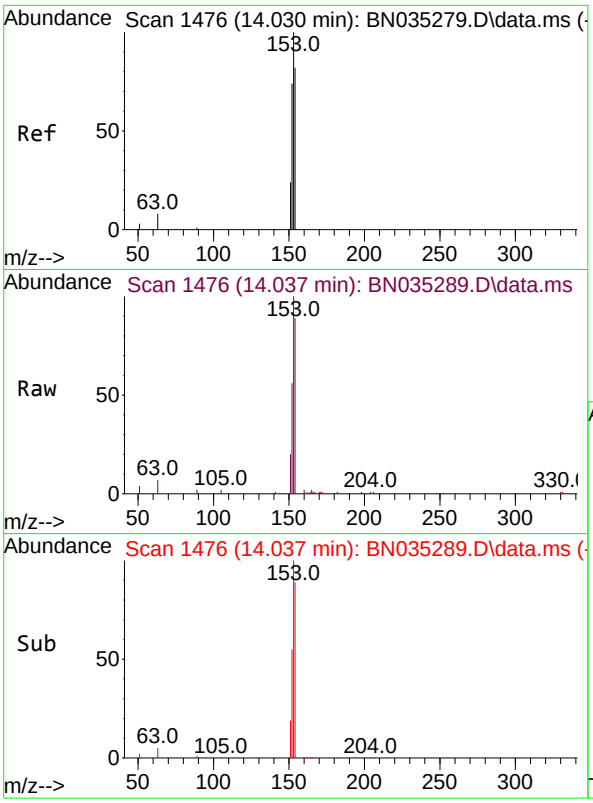


#16
Acenaphthylene
Concen: 0.326 ng
RT: 13.684 min Scan# 1443
Delta R.T. -0.004 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:152 Resp: 8019

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.2	10.2	15.4



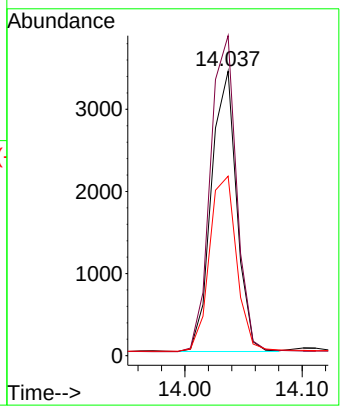


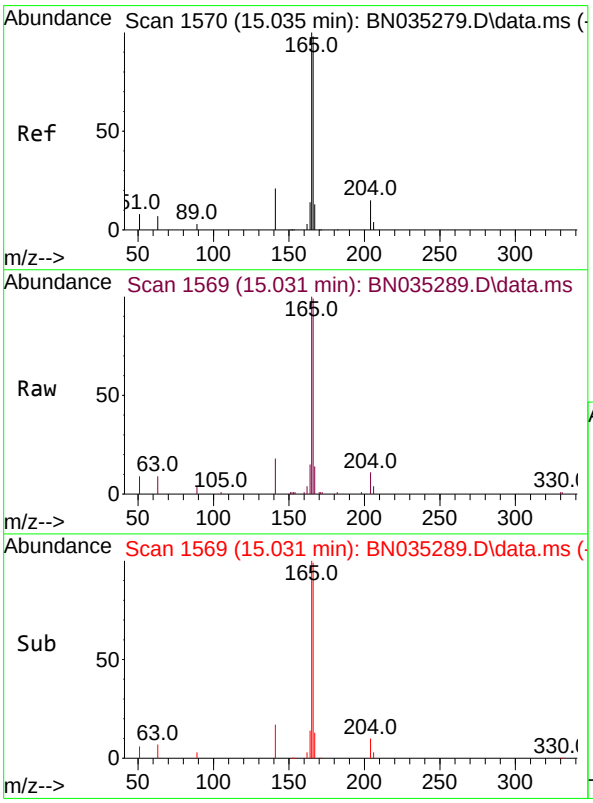
#17
Acenaphthene
Concen: 0.330 ng
RT: 14.037 min Scan# 14
Delta R.T. 0.007 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion:154 Resp: 5118

Ion	Ratio	Lower	Upper
154	100		
153	117.1	96.1	144.1
152	67.3	72.2	108.2#

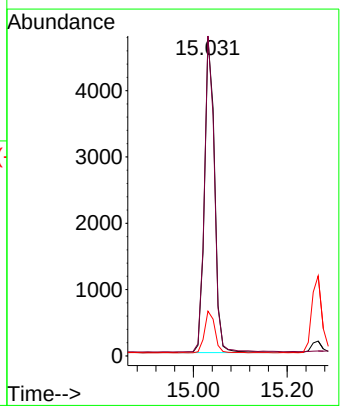


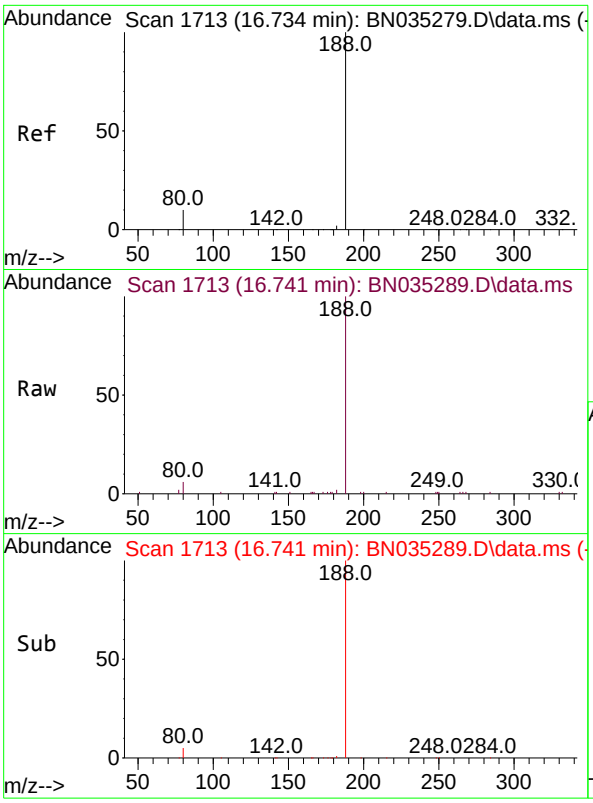


#18
Fluorene
Concen: 0.325 ng
RT: 15.031 min Scan# 1569
Delta R.T. -0.004 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:166 Resp: 7060

Ion	Ratio	Lower	Upper
166	100		
165	99.4	81.2	121.8
167	13.5	10.5	15.7



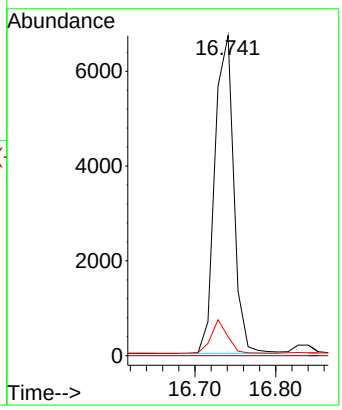


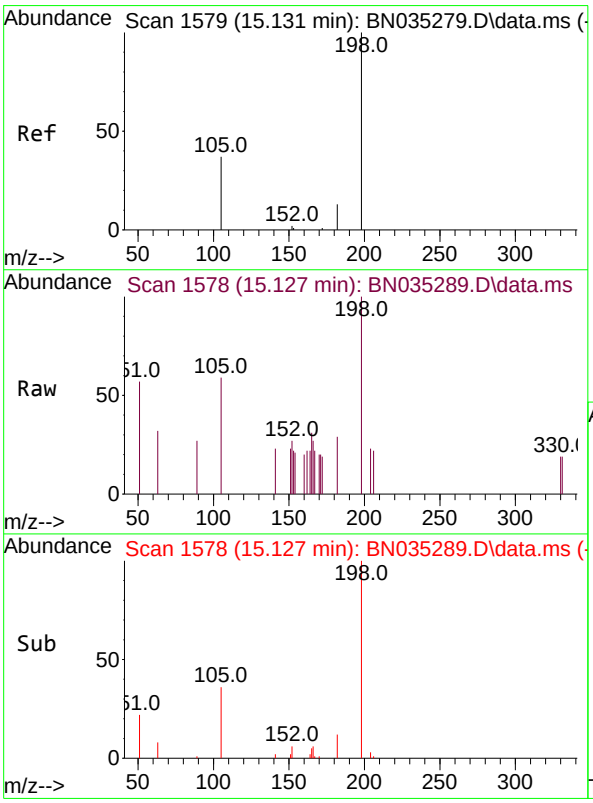
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.741 min Scan# 1
Delta R.T. 0.007 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion:188 Resp: 10884

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.9	8.9	13.3#

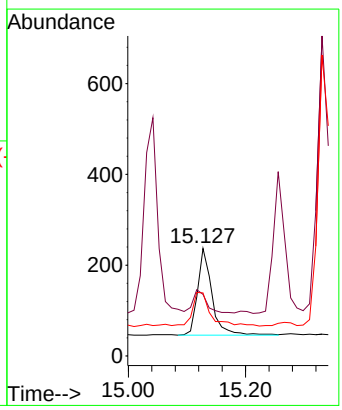


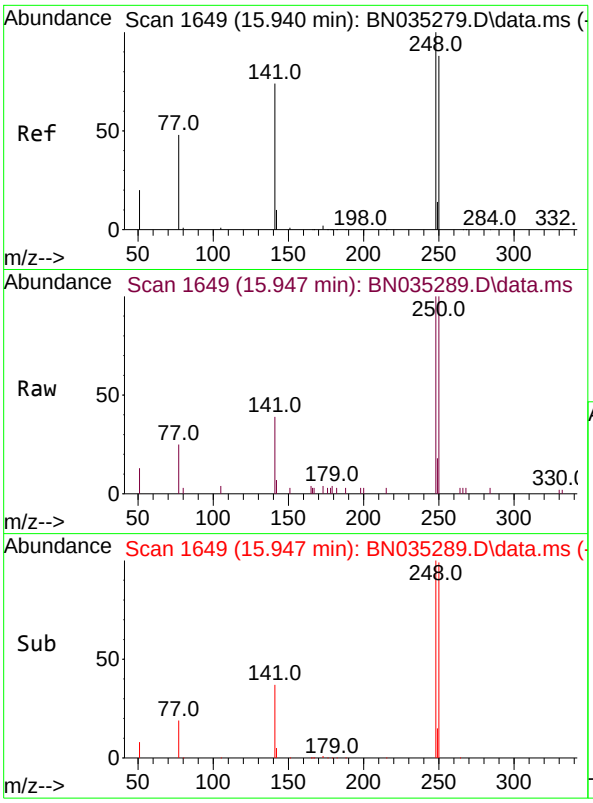


#20
4,6-Dinitro-2-methylphenol
Concen: 0.396 ng
RT: 15.127 min Scan# 1578
Delta R.T. -0.004 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:198 Resp: 326

Ion	Ratio	Lower	Upper
198	100		
51	57.4	53.6	80.4
105	58.6	47.4	71.2



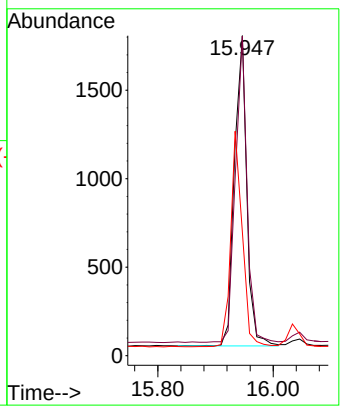


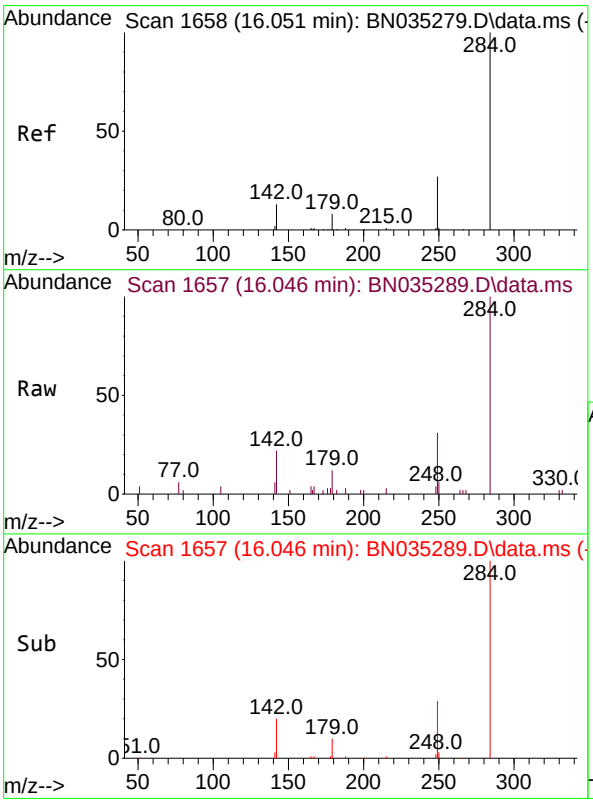
#21
4-Bromophenyl-phenylether
Concen: 0.378 ng
RT: 15.947 min Scan# 1
Delta R.T. 0.007 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion:248 Resp: 2609

Ion	Ratio	Lower	Upper
248	100		
250	99.8	74.8	112.2
141	38.7	59.0	88.4#

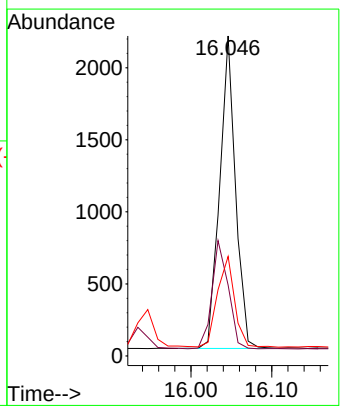


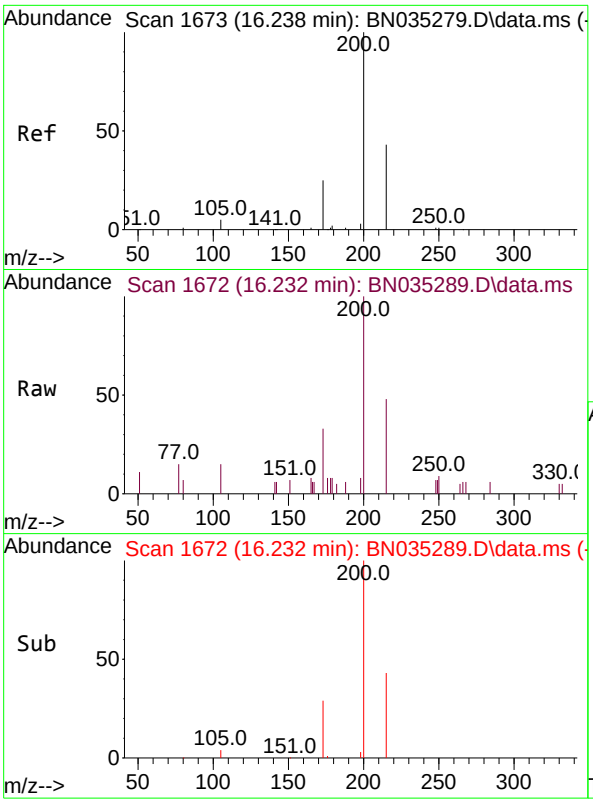


#22
Hexachlorobenzene
Concen: 0.299 ng
RT: 16.046 min Scan# 1657
Delta R.T. -0.005 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:284 Resp: 2959

Ion	Ratio	Lower	Upper
284	100		
142	35.8	28.7	43.1
249	31.3	25.4	38.0



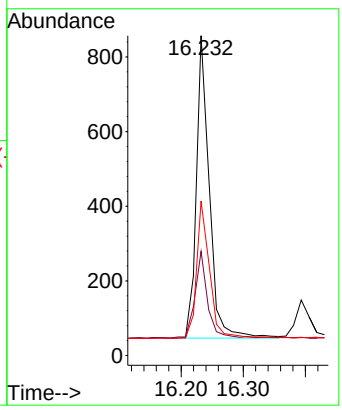


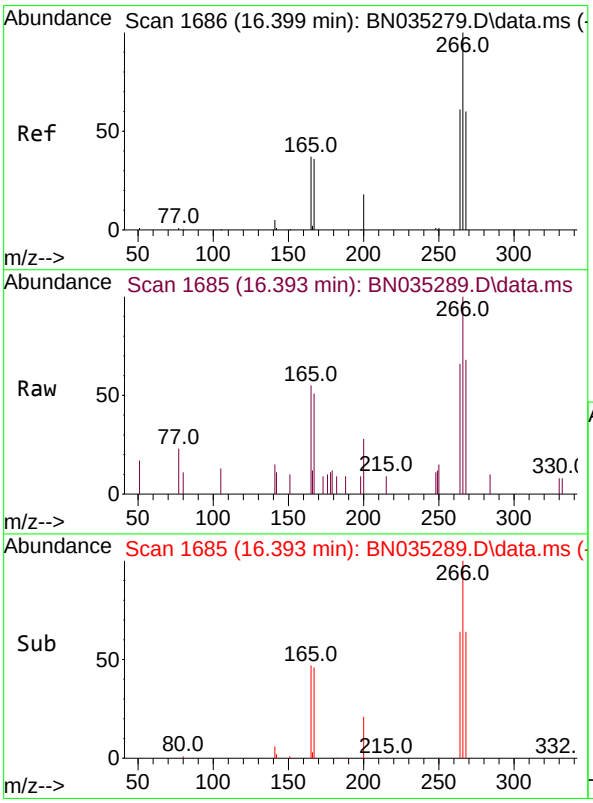
#23
Atrazine
Concen: 0.405 ng
RT: 16.232 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion:200 Resp: 1177

Ion	Ratio	Lower	Upper
200	100		
173	32.6	25.8	38.8
215	48.3	38.6	58.0

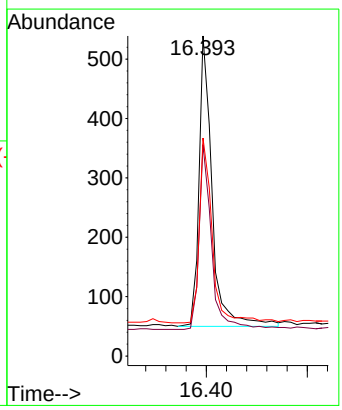


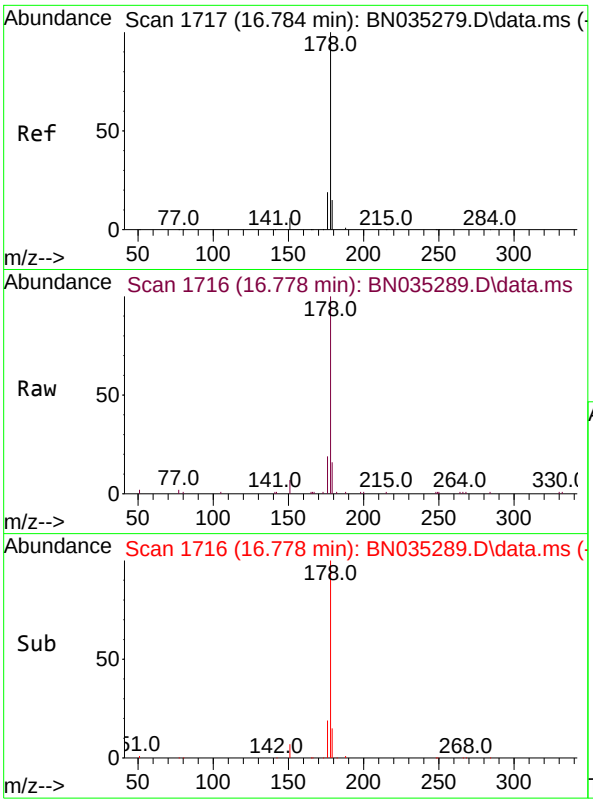


#24
Pentachlorophenol
Concen: 0.371 ng
RT: 16.393 min Scan# 1685
Delta R.T. -0.006 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:266 Resp: 881

Ion	Ratio	Lower	Upper
266	100		
264	61.1	49.3	73.9
268	62.9	48.6	73.0



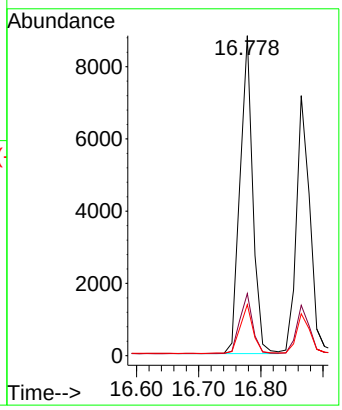


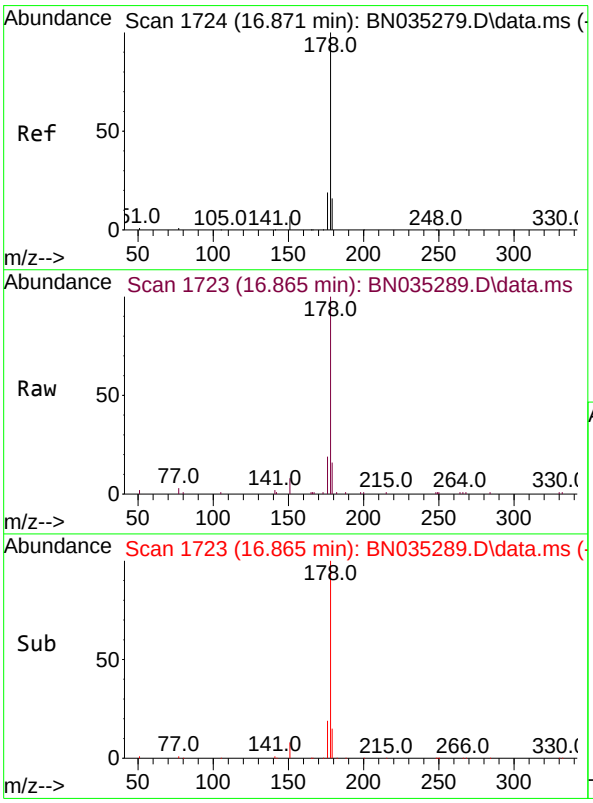
#25
Phenanthrene
Concen: 0.375 ng
RT: 16.778 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion:178 Resp: 12541

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.6	12.6	18.8

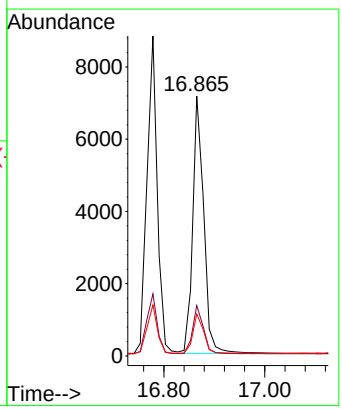


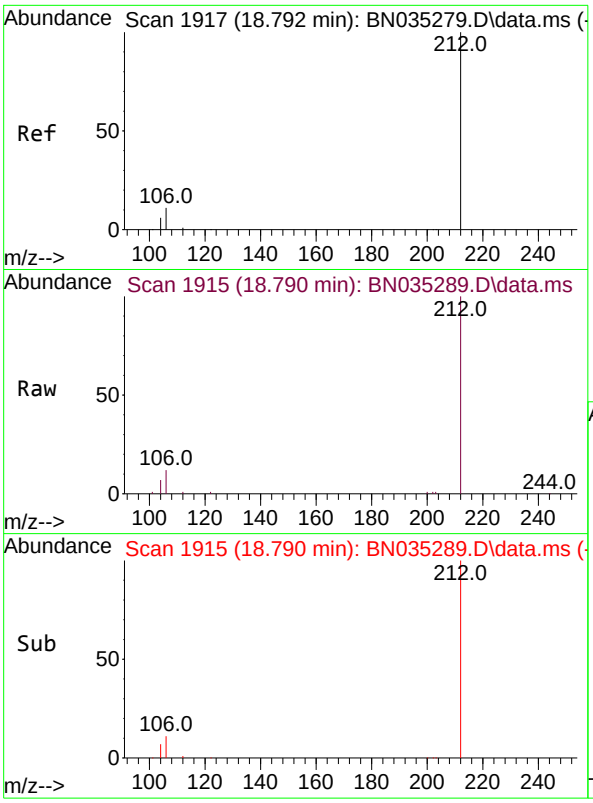


#26
Anthracene
Concen: 0.377 ng
RT: 16.865 min Scan# 1723
Delta R.T. -0.005 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:178 Resp: 10829

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.4	12.4	18.6



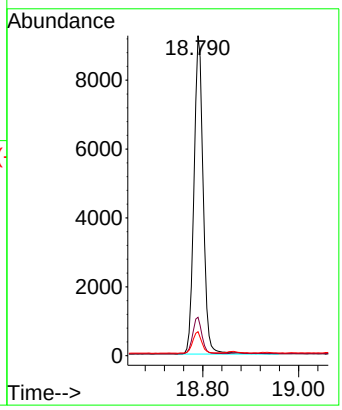


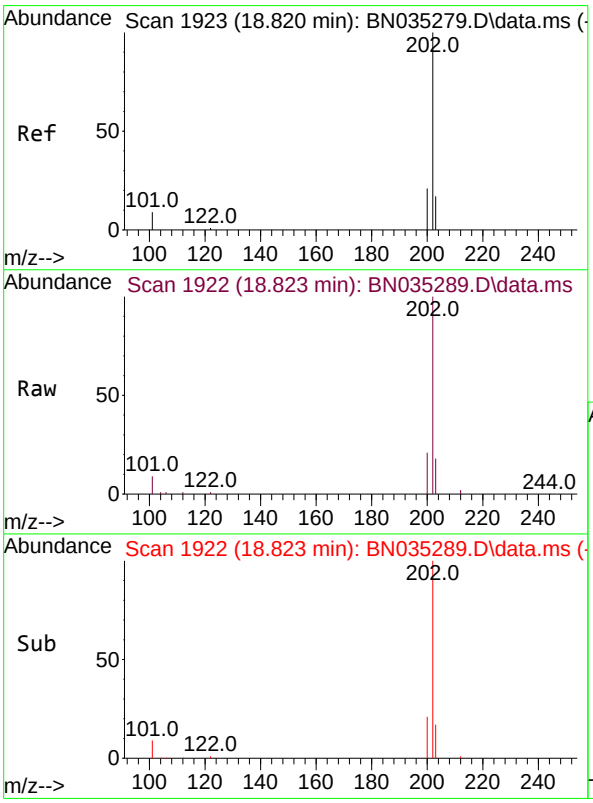
#27
Fluoranthene-d10
Concen: 0.425 ng
RT: 18.790 min Scan# 1
Delta R.T. -0.002 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion:212 Resp: 12387

Ion	Ratio	Lower	Upper
212	100		
106	11.5	9.8	14.8
104	6.7	5.6	8.4

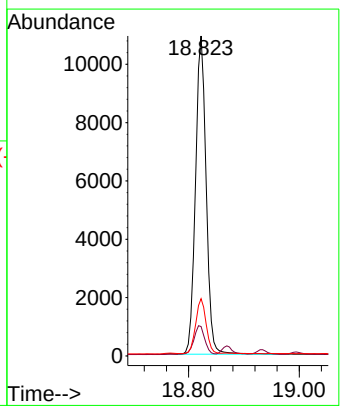


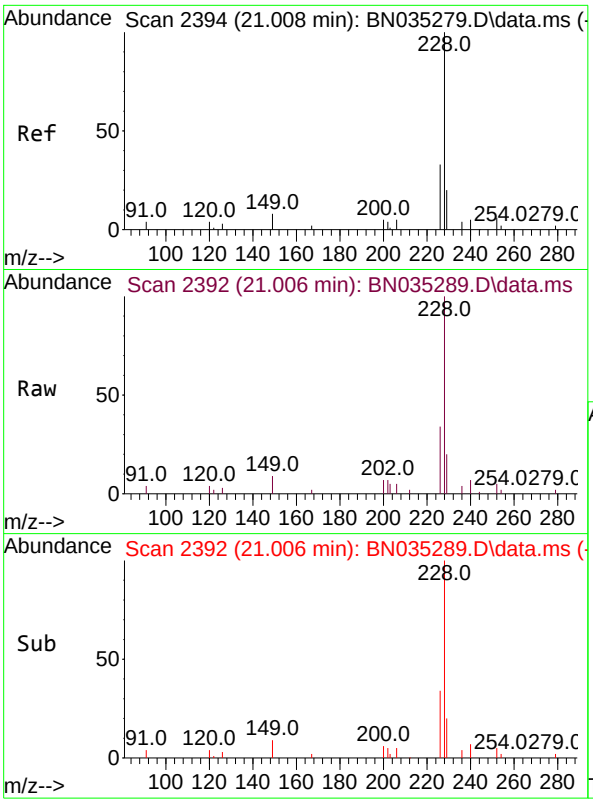


#28
Fluoranthene
Concen: 0.346 ng
RT: 18.823 min Scan# 1922
Delta R.T. 0.003 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:202 Resp: 14601

Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.6	11.4
203	16.8	13.8	20.8



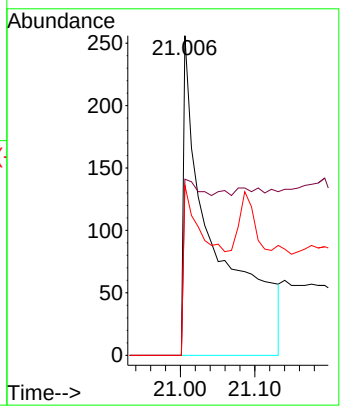


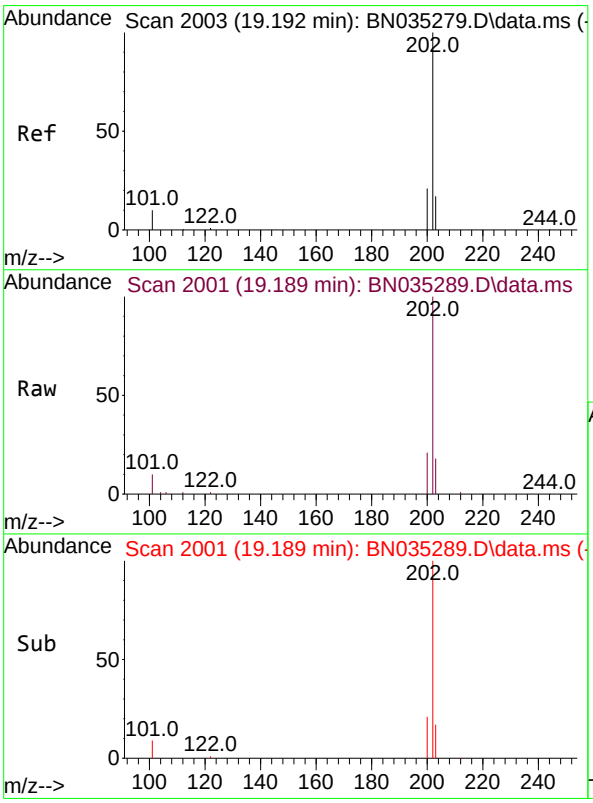
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.006 min Scan# 2
Delta R.T. -0.002 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion:240 Resp: 706

Ion	Ratio	Lower	Upper
240	100		
120	55.1	54.9	82.3
236	53.1	54.0	81.0#

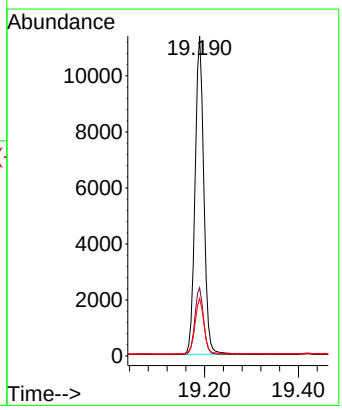


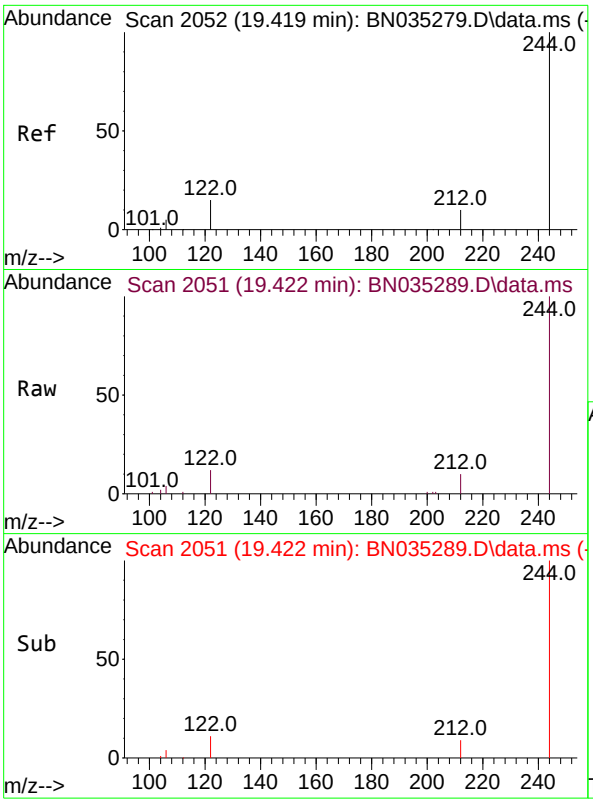


#30
Pyrene
Concen: 0.575 ng
RT: 19.189 min Scan# 2001
Delta R.T. -0.003 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:202 Resp: 14755

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.7	14.4	21.6



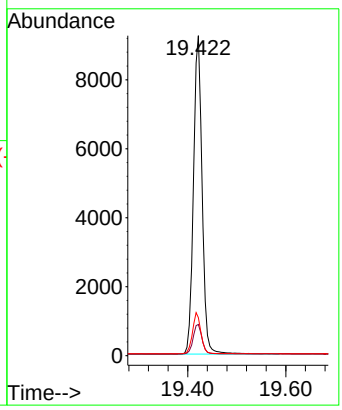


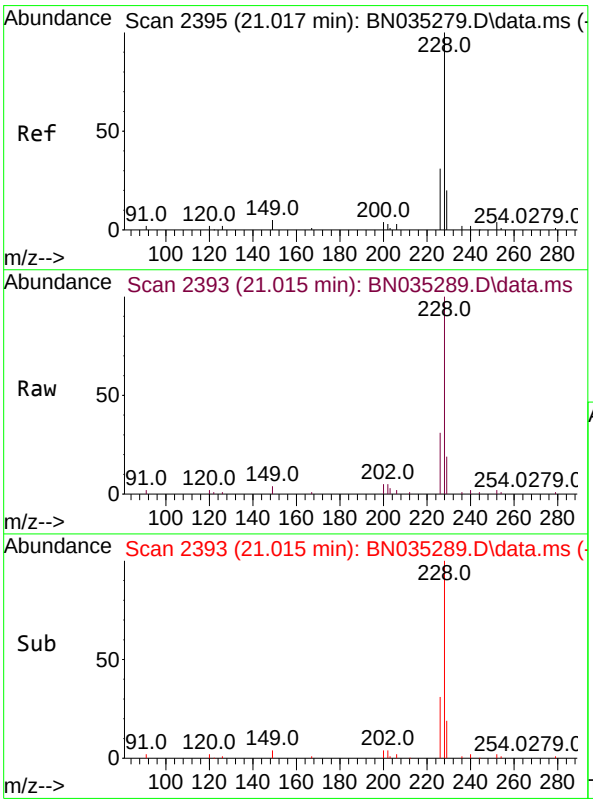
#31
Terphenyl-d14
Concen: 0.866 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion:244 Resp: 11299

Ion	Ratio	Lower	Upper
244	100		
212	9.8	9.4	14.0
122	11.9	13.0	19.4#

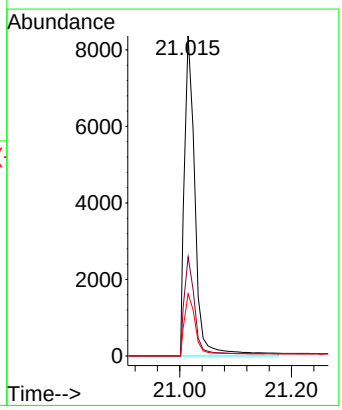


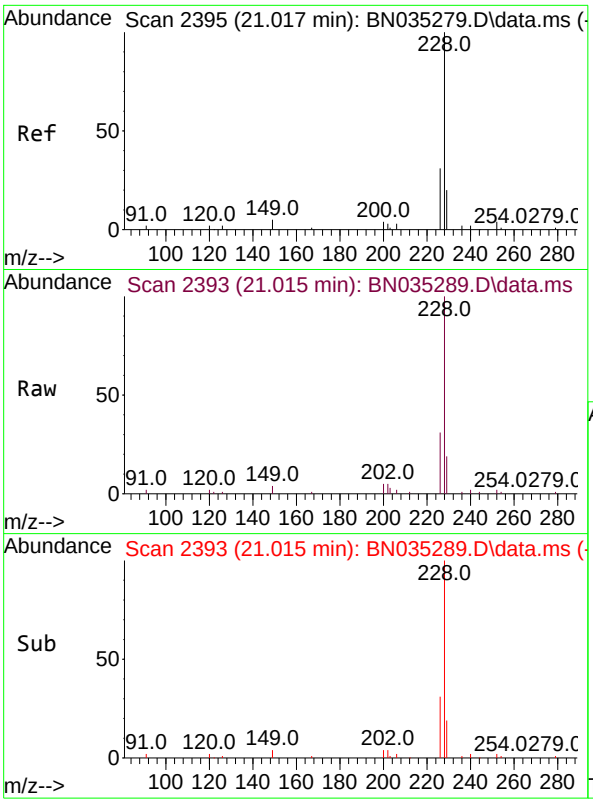


#32
Benzo(a)anthracene
Concen: 0.455 ng
RT: 21.015 min Scan# 2393
Delta R.T. -0.002 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:228 Resp: 11175

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.7	37.1
229	19.4	16.2	24.2



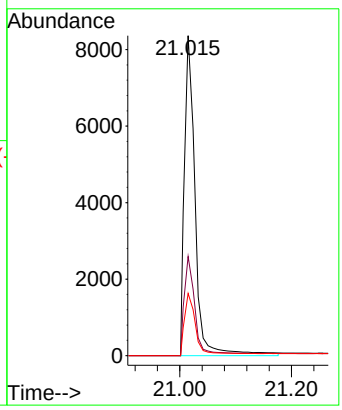


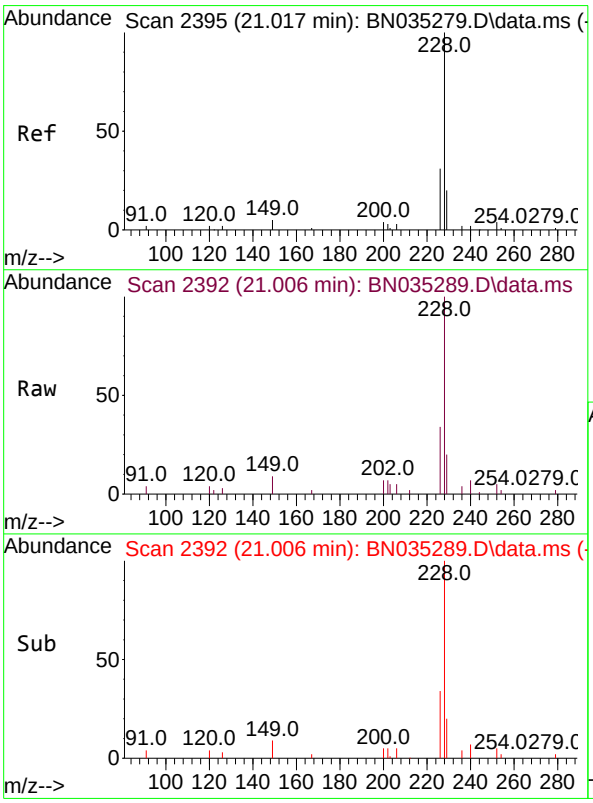
#33
Chrysene
Concen: 0.455 ng
RT: 21.015 min Scan# 2
Delta R.T. -0.002 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion:228 Resp: 11175

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.7	37.1
229	19.4	16.2	24.2

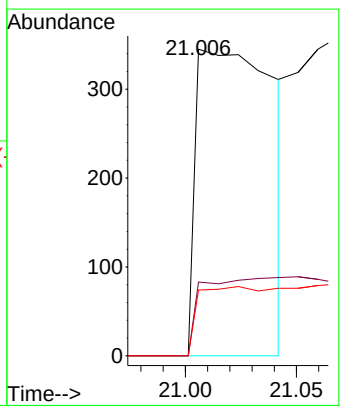


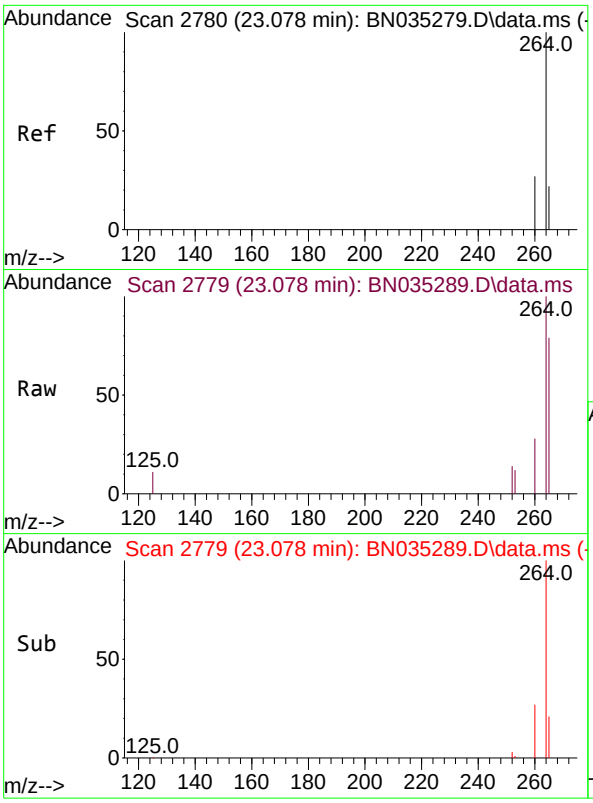


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.552 ng
RT: 21.006 min Scan# 2392
Delta R.T. -0.011 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:149 Resp: 746

Ion	Ratio	Lower	Upper
149	100		
167	0.0	0.0	0.0
279	17.4	13.0	19.6



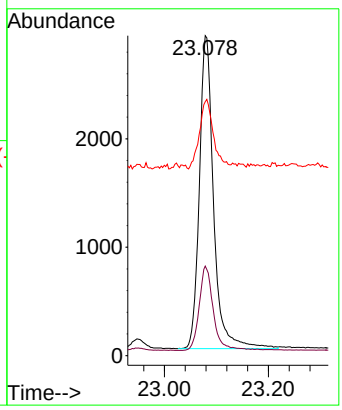


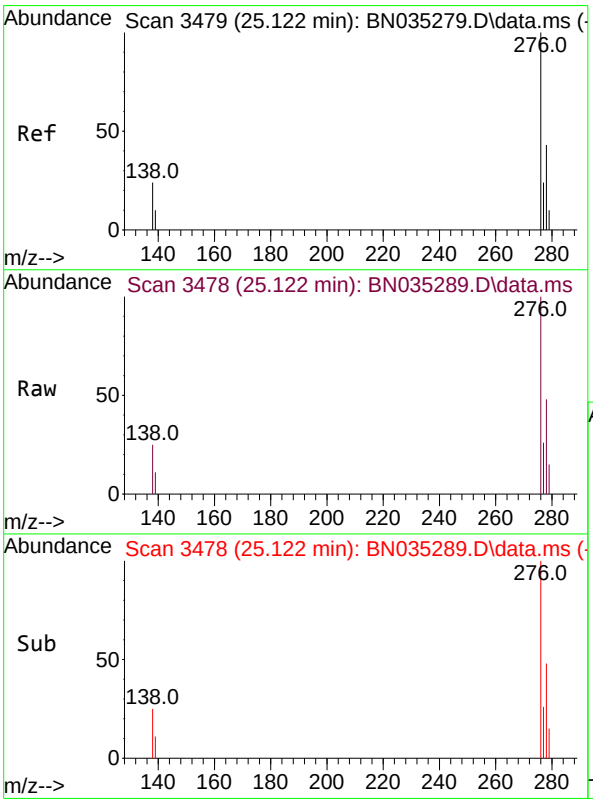
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.078 min Scan# 2
Delta R.T. 0.001 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion:264 Resp: 5495

Ion	Ratio	Lower	Upper
264	100		
260	28.0	22.3	33.5
265	79.3	68.6	103.0

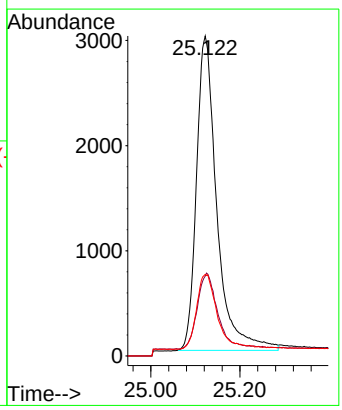


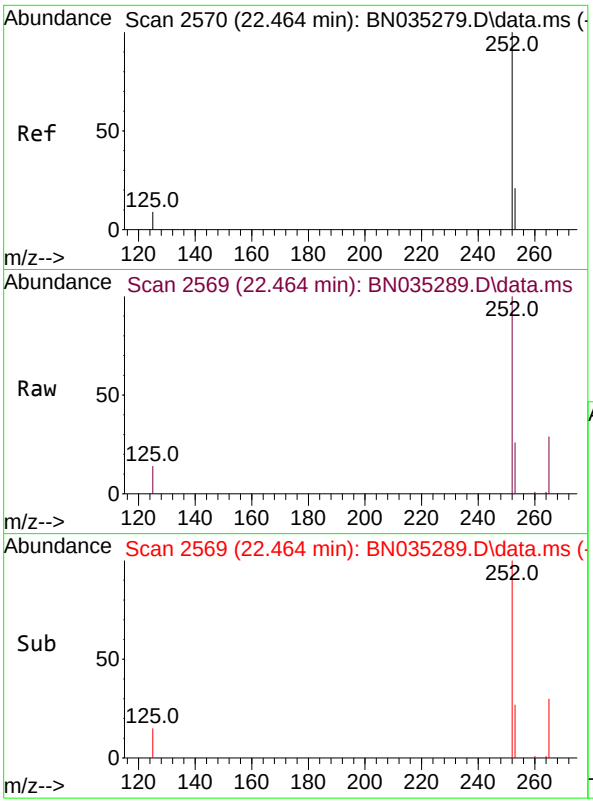


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.422 ng
RT: 25.122 min Scan# 3478
Delta R.T. 0.001 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:276 Resp: 9501

Ion	Ratio	Lower	Upper
276	100		
138	23.6	18.8	28.2
277	23.4	18.2	27.4



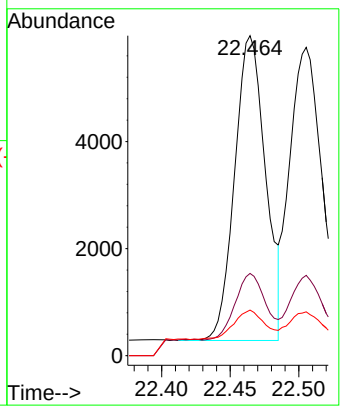


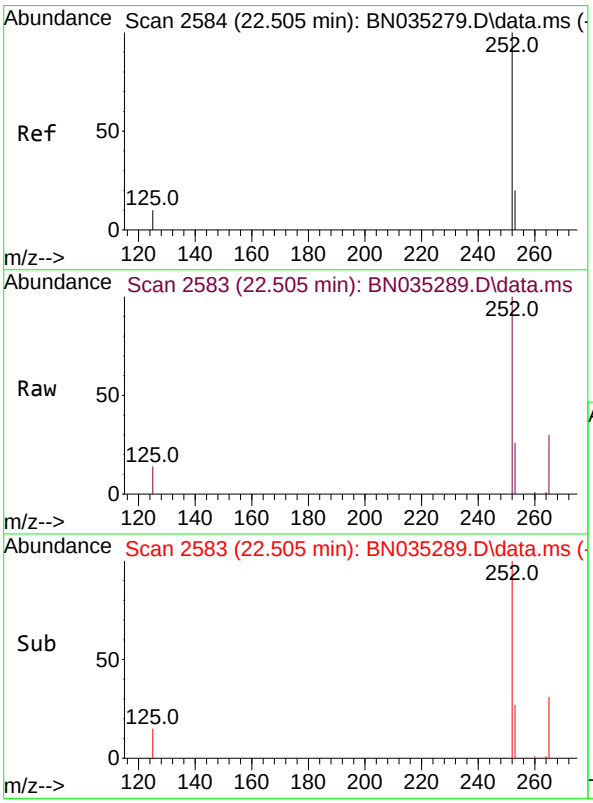
#37
Benzo(b)fluoranthene
Concen: 0.373 ng
RT: 22.464 min Scan# 2
Delta R.T. 0.001 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion:252 Resp: 8918

Ion	Ratio	Lower	Upper
252	100		
253	25.7	20.2	30.2
125	14.3	12.0	18.0

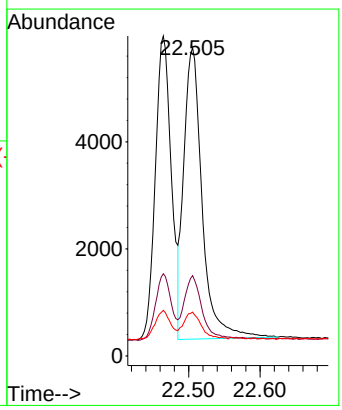


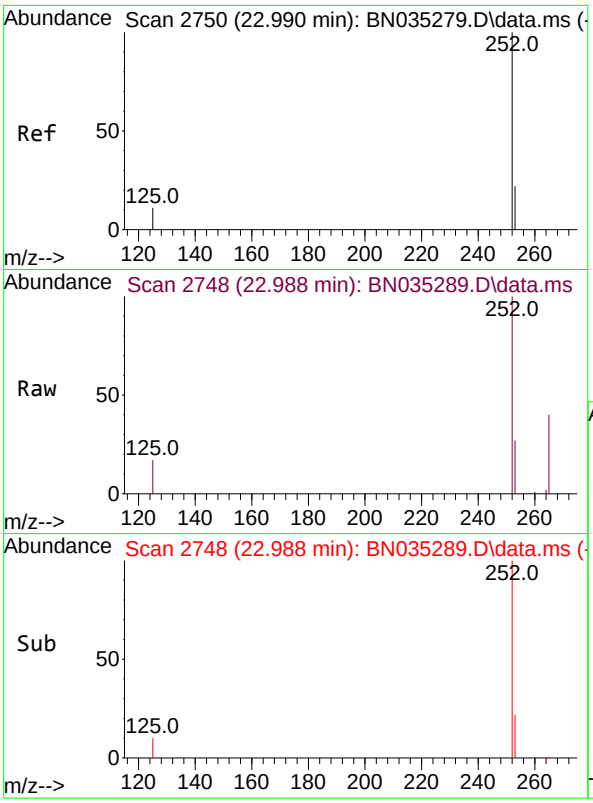


#38
Benzo(k)fluoranthene
Concen: 0.384 ng
RT: 22.505 min Scan# 2583
Delta R.T. 0.001 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:252 Resp: 9698

Ion	Ratio	Lower	Upper
252	100		
253	26.1	20.1	30.1
125	14.2	12.7	19.1



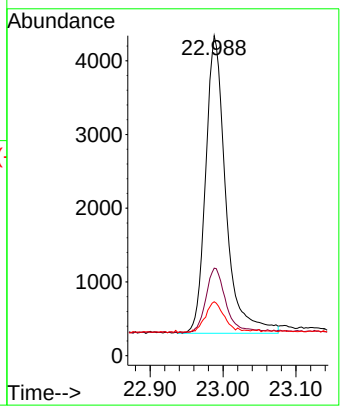


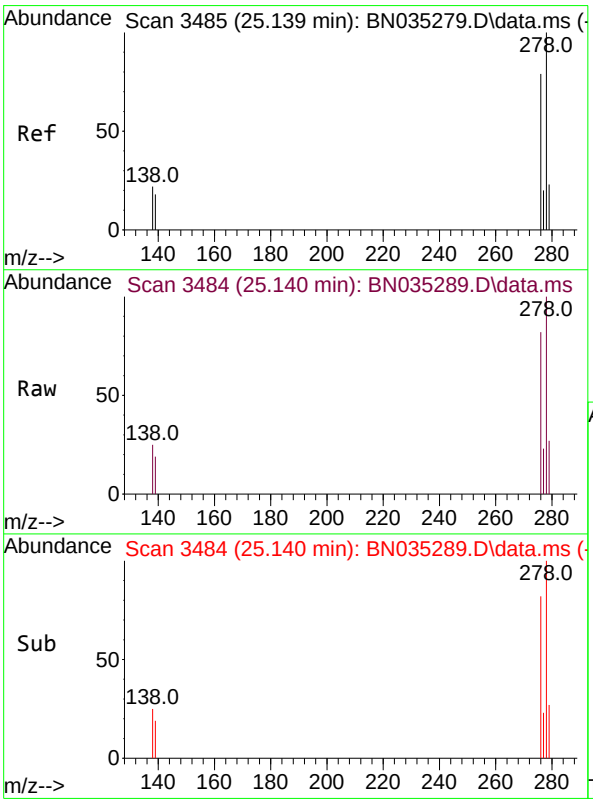
#39
Benzo(a)pyrene
Concen: 0.424 ng
RT: 22.988 min Scan# 2
Delta R.T. -0.002 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion:252 Resp: 7735

Ion	Ratio	Lower	Upper
252	100		
253	27.4	22.3	33.5
125	16.8	15.3	22.9

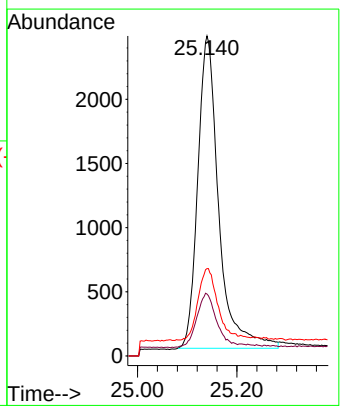


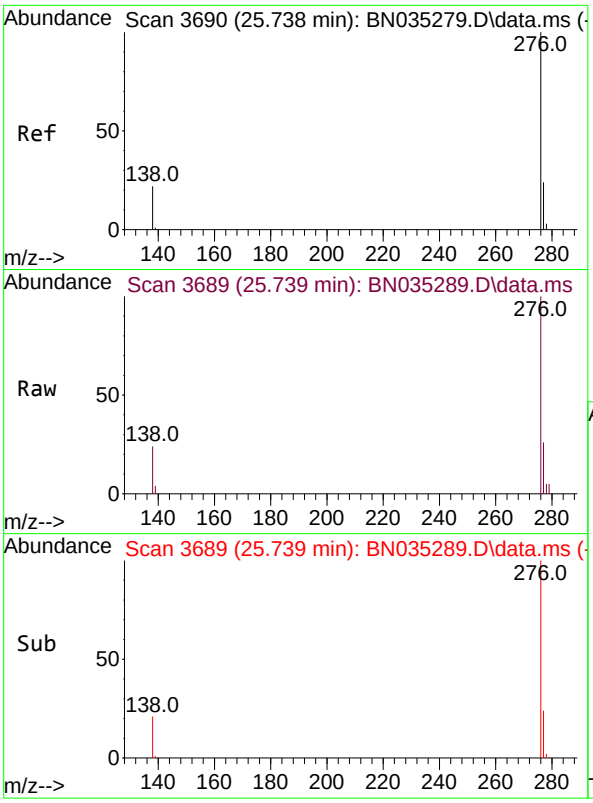


#40
Dibenzo(a,h)anthracene
Concen: 0.419 ng
RT: 25.140 min Scan# 3484
Delta R.T. 0.001 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Tgt Ion:278 Resp: 7121

Ion	Ratio	Lower	Upper
278	100		
139	19.4	17.0	25.6
279	27.3	23.0	34.4



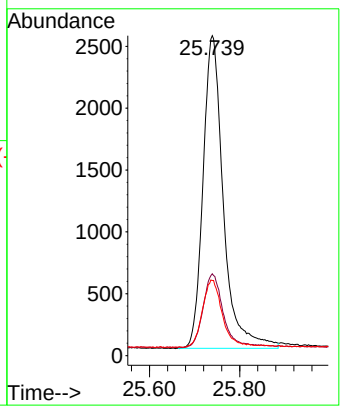


#41
Benzo(g,h,i)perylene
Concen: 0.402 ng
RT: 25.739 min Scan# 3
Delta R.T. 0.001 min
Lab File: BN035289.D
Acq: 25 Nov 2024 18:08

Instrument :
BNA_N
ClientSampleId :
BPOW6-10-20241119MSD

Tgt Ion:276 Resp: 7906

Ion	Ratio	Lower	Upper
276	100		
277	25.6	21.1	31.7
138	23.5	19.8	29.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035290.D
Acq On : 25 Nov 2024 18:44
Operator : RC/JU
Sample : PB165150BS
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Quant Time: Nov 26 03:32:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	3630	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	8519	0.400	ng	# 0.00
13) Acenaphthene-d10	13.966	164	4791	0.400	ng	#-0.01
19) Phenanthrene-d10	16.734	188	9614	0.400	ng	0.00
29) Chrysene-d12	21.008	240	730	0.400	ng	0.00
35) Perylene-d12	23.081	264	5488	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.975	112	2994	0.437	ng	0.00
5) Phenol-d6	6.520	99	3620	0.378	ng	0.00
8) Nitrobenzene-d5	8.450	82	1711	0.248	ng	0.00
11) 2-Methylnaphthalene-d10	11.663	152	5762	0.483	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	538	0.220	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	722	0.273	ng	0.00
27) Fluoranthene-d10	18.792	212	8963	0.348	ng	0.00
31) Terphenyl-d14	19.419	244	6215	0.461	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.003	88	1166	0.447	ng	# 87
3) n-Nitrosodimethylamine	3.292	42	1003	0.371	ng	# 74
6) bis(2-Chloroethyl)ether	6.766	93	3531	0.438	ng	94
9) Naphthalene	10.105	128	8426	0.356	ng	99
10) Hexachlorobutadiene	10.415	225	1969	0.296	ng	# 100
12) 2-Methylnaphthalene	11.742	142	5618	0.363	ng	99
16) Acenaphthylene	13.688	152	8047	0.334	ng	100
17) Acenaphthene	14.030	154	5138	0.338	ng	# 87
18) Fluorene	15.035	166	6631	0.312	ng	98
20) 4,6-Dinitro-2-methylph...	15.131	198	262	0.378	ng	95
21) 4-Bromophenyl-phenylether	15.939	248	2264	0.371	ng	97
22) Hexachlorobenzene	16.051	284	2814	0.322	ng	98
23) Atrazine	16.237	200	929	0.362	ng	97
24) Pentachlorophenol	16.399	266	706	0.337	ng	97
25) Phenanthrene	16.771	178	10143	0.343	ng	100
26) Anthracene	16.870	178	8875	0.350	ng	99
28) Fluoranthene	18.820	202	10421	0.280	ng	99
30) Pyrene	19.187	202	9974	0.376	ng	99
32) Benzo(a)anthracene	21.017	228	8490	0.334	ng	99
33) Chrysene	21.017	228	8490	0.334	ng	99
34) Bis(2-ethylhexyl)phtha...	21.008	149	560	0.401	ng	# 62
36) Indeno(1,2,3-cd)pyrene	25.124	276	8459	0.376	ng	99
37) Benzo(b)fluoranthene	22.464	252	7319	0.307	ng	98
38) Benzo(k)fluoranthene	22.505	252	8291	0.329	ng	98
39) Benzo(a)pyrene	22.990	252	6610	0.363	ng	98
40) Dibenzo(a,h)anthracene	25.142	278	6393	0.376	ng	97
41) Benzo(g,h,i)perylene	25.741	276	7117	0.362	ng	98

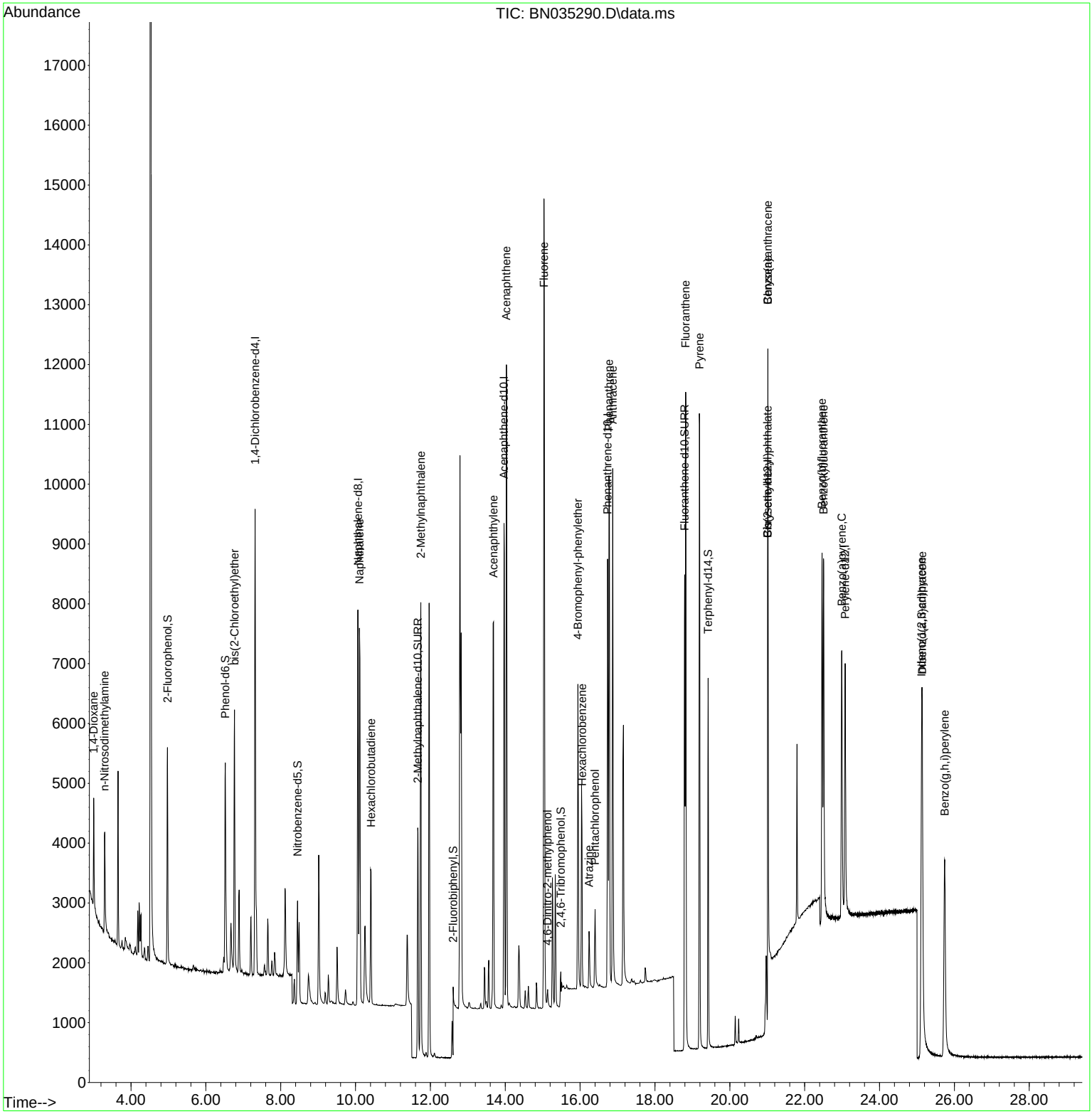
(#) = qualifier out of range (m) = manual integration (+) = signals summed

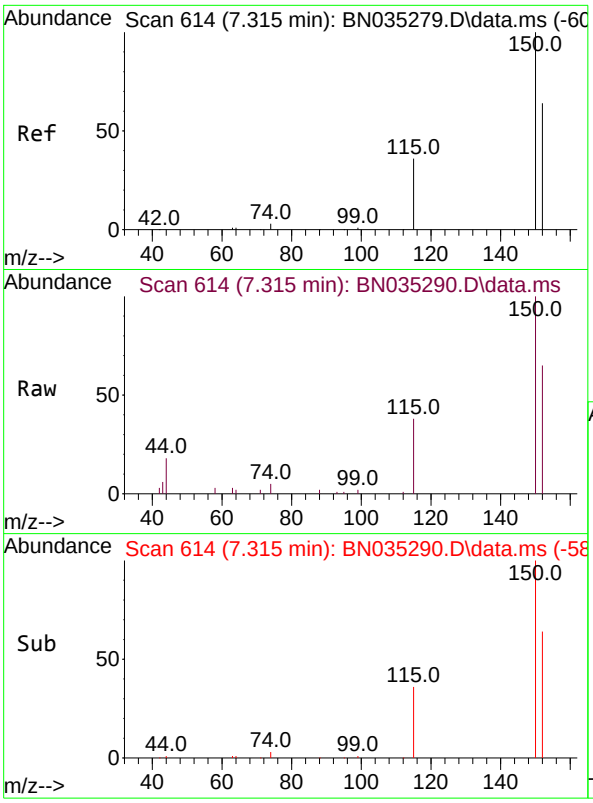
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035290.D
Acq On : 25 Nov 2024 18:44
Operator : RC/JU
Sample : PB165150BS
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Quant Time: Nov 26 03:32:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration



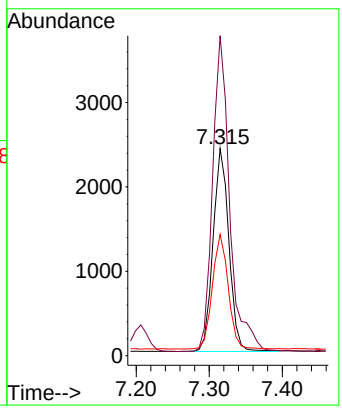


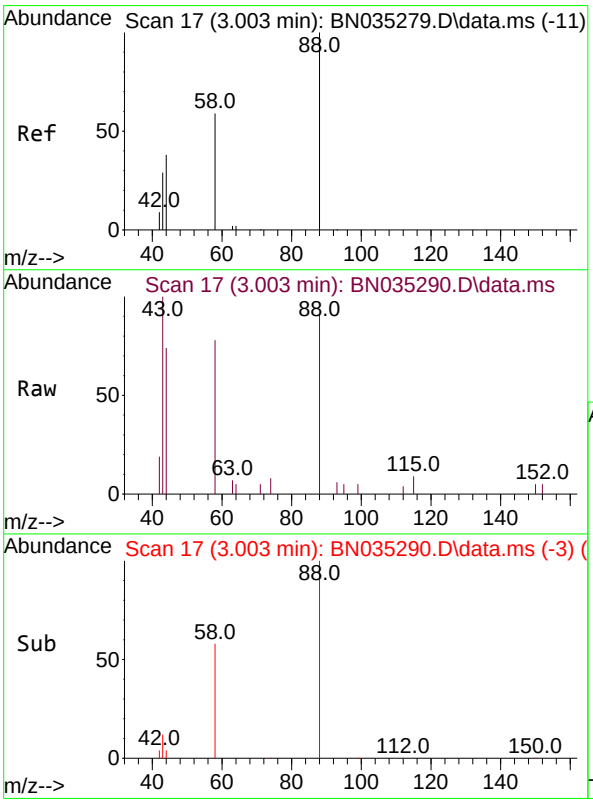
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion:152 Resp: 3630

Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.5	186.7
115	58.5	47.8	71.8

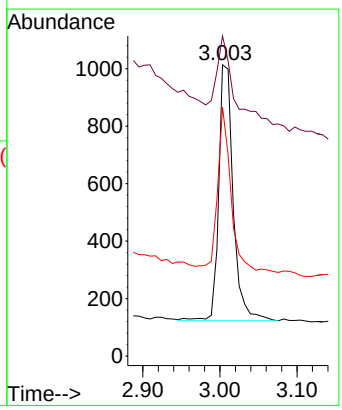


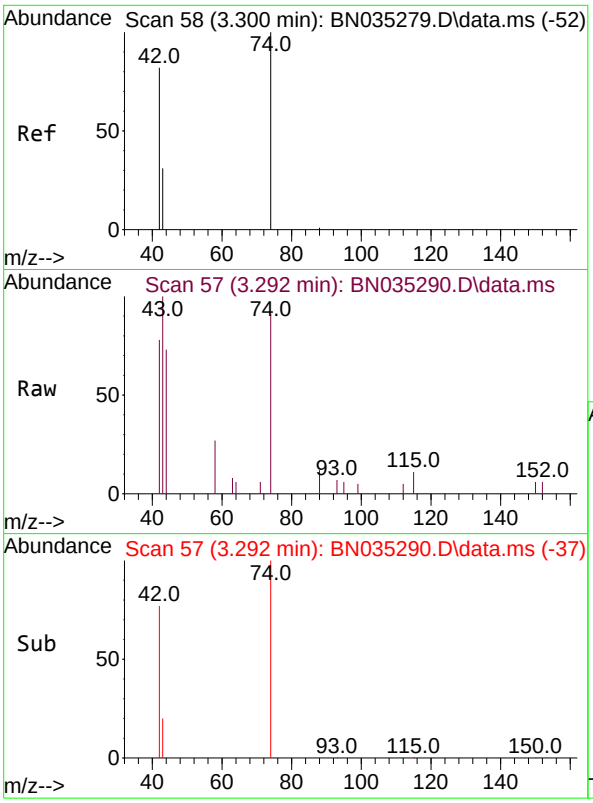


#2
1,4-Dioxane
Concen: 0.447 ng
RT: 3.003 min Scan# 17
Delta R.T. 0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion: 88 Resp: 1166

Ion	Ratio	Lower	Upper
88	100		
43	41.9	48.1	72.1#
58	59.9	46.9	70.3



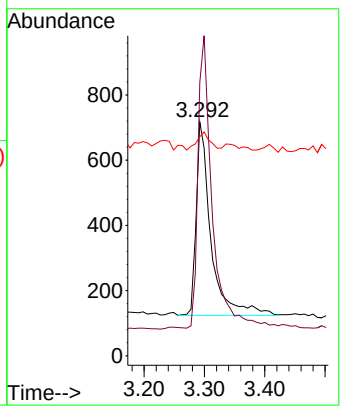


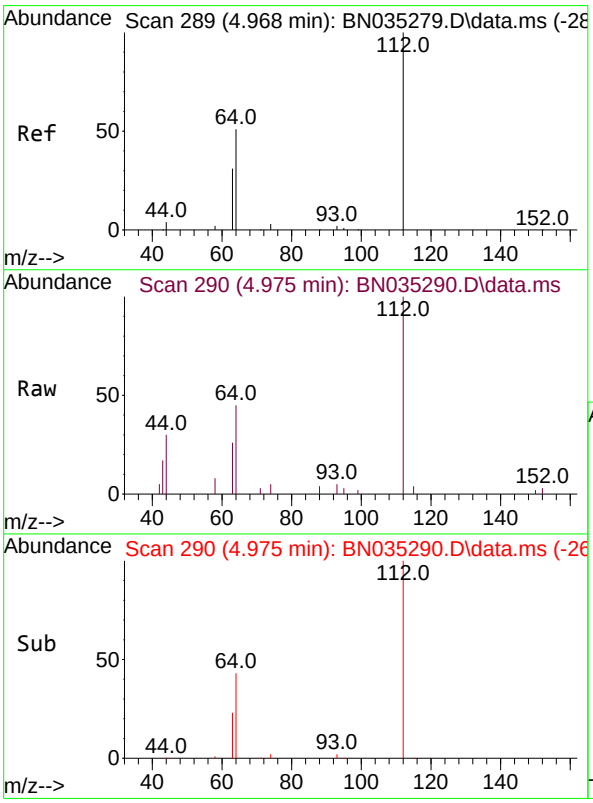
#3
n-Nitrosodimethylamine
Concen: 0.371 ng
RT: 3.292 min Scan# 5
Delta R.T. -0.008 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion: 42 Resp: 1003

Ion	Ratio	Lower	Upper
42	100		
74	147.2	102.7	154.1
44	8.2	34.1	51.1#

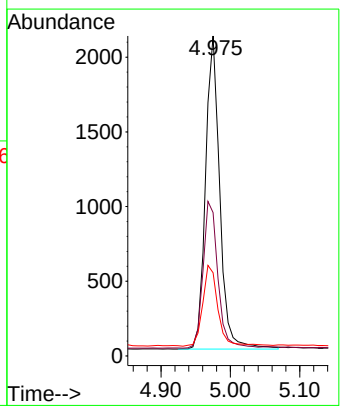


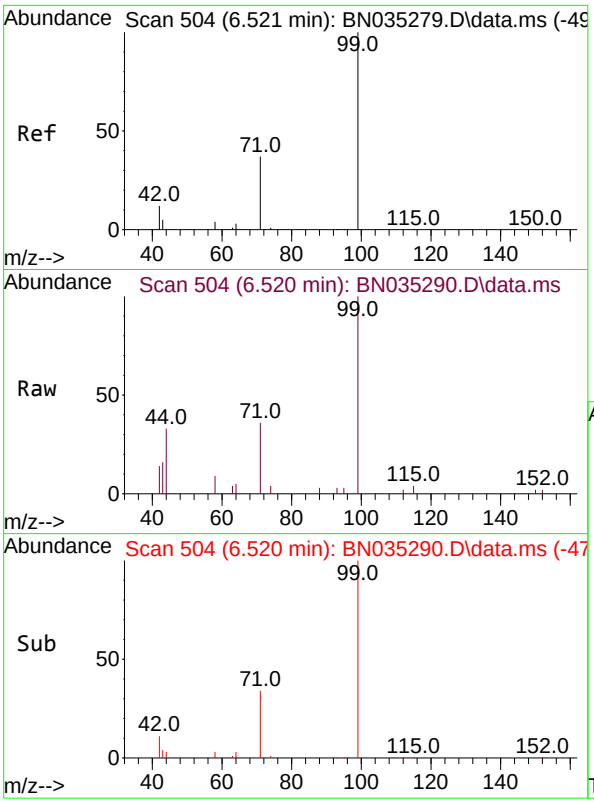


#4
2-Fluorophenol
Concen: 0.437 ng
RT: 4.975 min Scan# 290
Delta R.T. 0.007 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:112 Resp: 2994

Ion	Ratio	Lower	Upper
112	100		
64	48.5	40.4	60.6
63	27.5	23.8	35.8



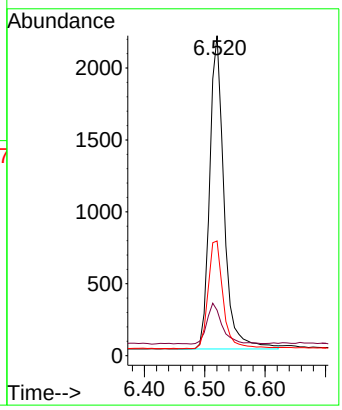


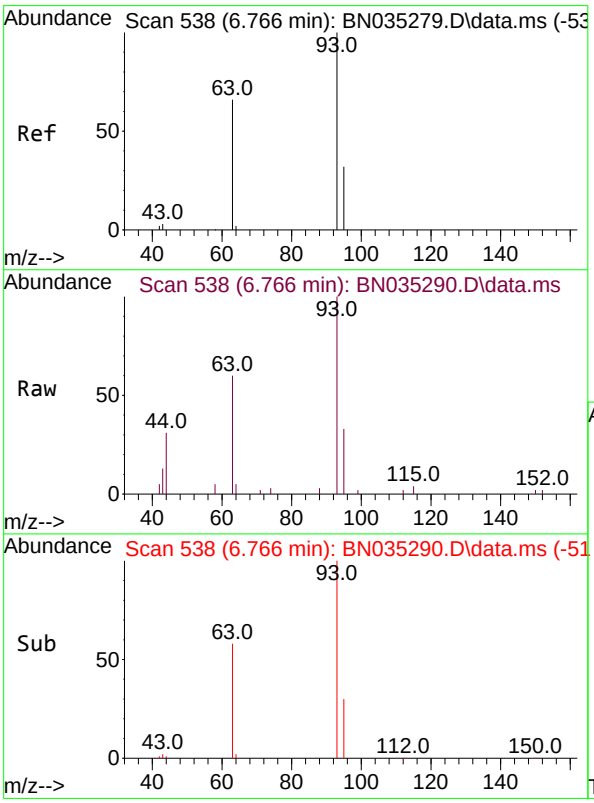
#5
Phenol-d6
Concen: 0.378 ng
RT: 6.520 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion: 99 Resp: 3620

Ion	Ratio	Lower	Upper
99	100		
42	13.8	12.8	19.2
71	35.9	31.4	47.2

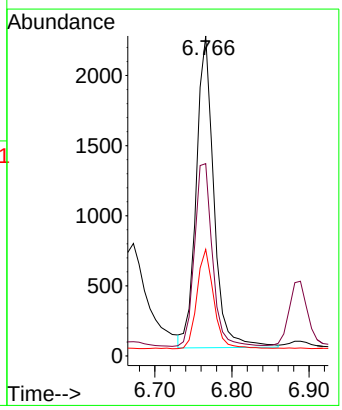


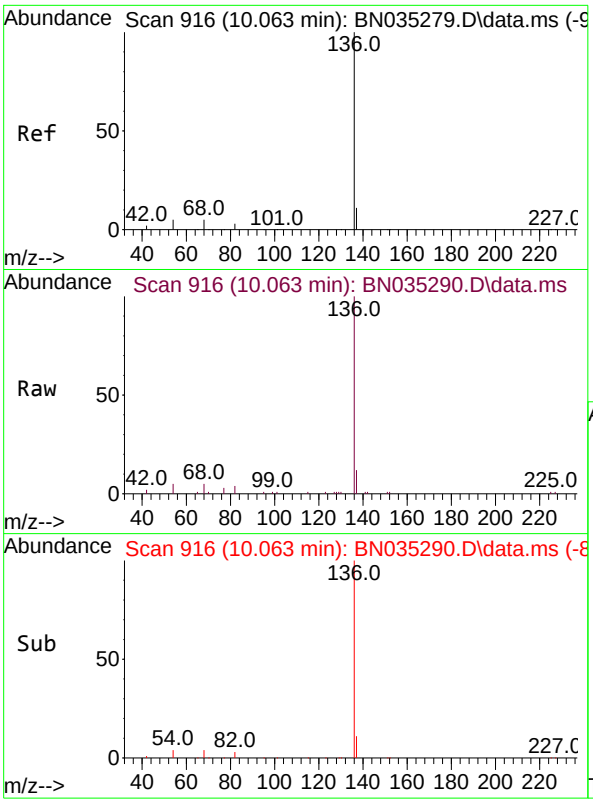


#6
bis(2-Chloroethyl)ether
Concen: 0.438 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion: 93 Resp: 3531

Ion	Ratio	Lower	Upper
93	100		
63	59.4	52.3	78.5
95	30.4	25.5	38.3



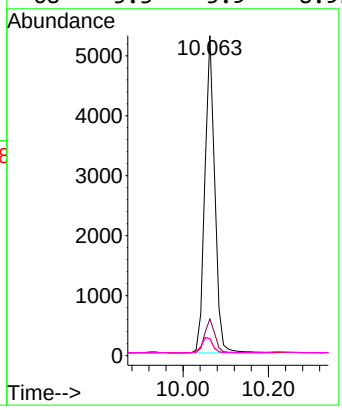


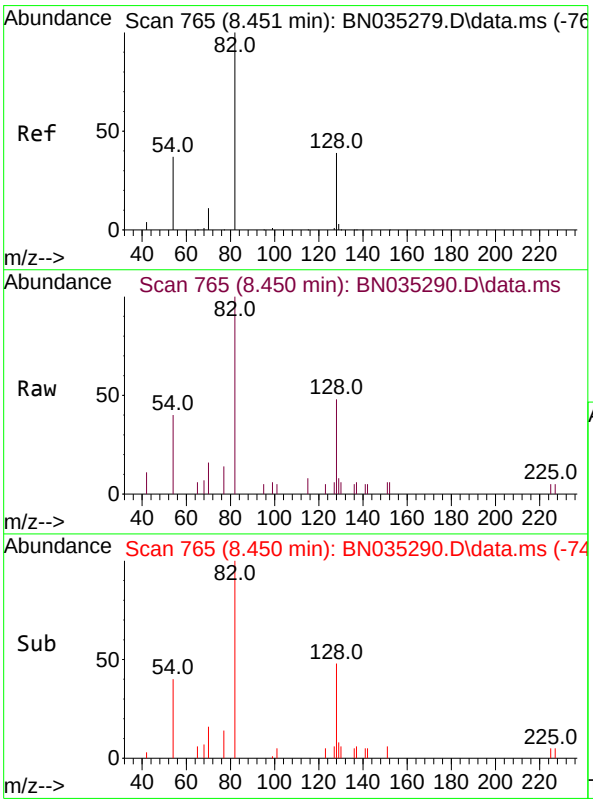
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion:136 Resp: 8519

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.7	14.5
54	5.3	5.3	7.9
68	5.3	5.9	8.9#

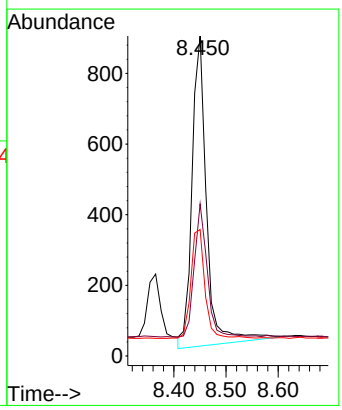


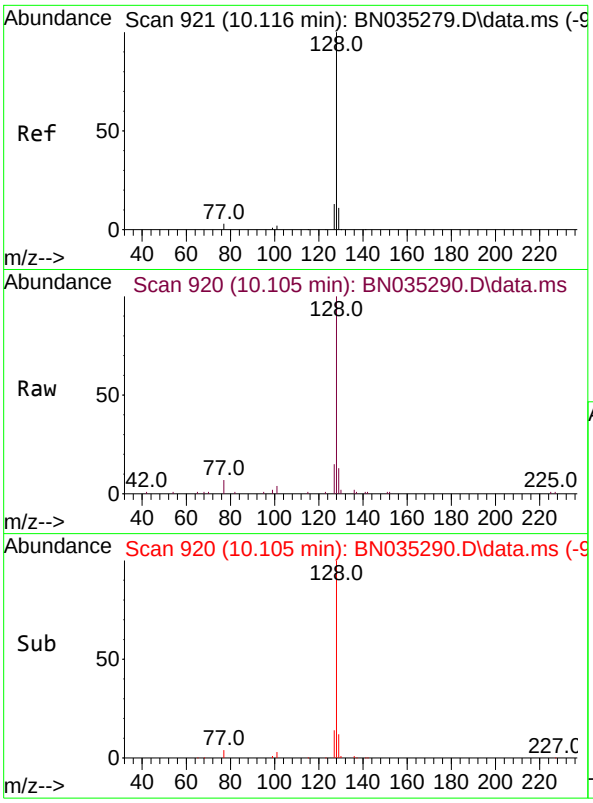


#8
Nitrobenzene-d5
Concen: 0.248 ng
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion: 82 Resp: 1711

Ion	Ratio	Lower	Upper
82	100		
128	47.6	33.0	49.4
54	39.5	33.3	49.9



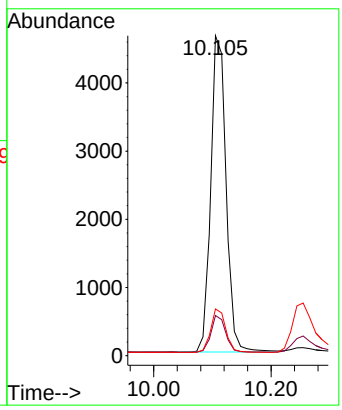


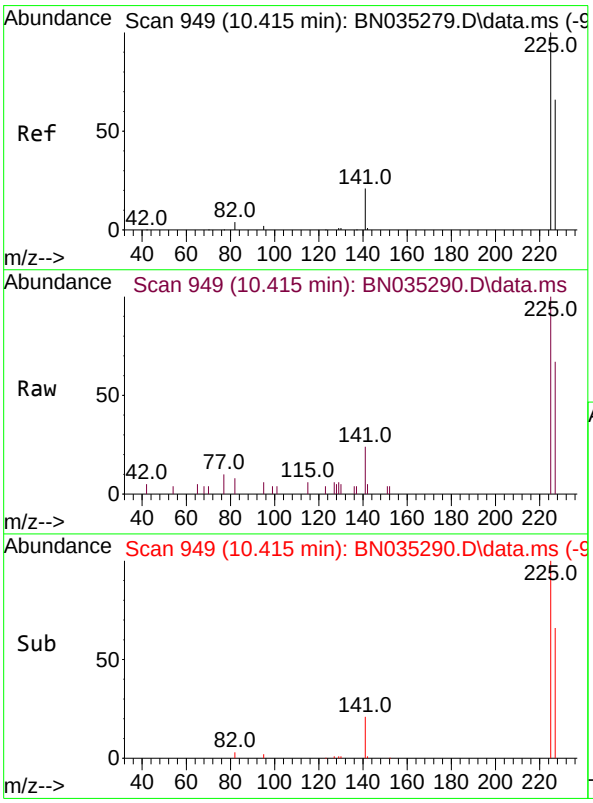
#9
Naphthalene
Concen: 0.356 ng
RT: 10.105 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion:128 Resp: 8426

Ion	Ratio	Lower	Upper
128	100		
129	12.6	9.6	14.4
127	14.6	11.3	16.9

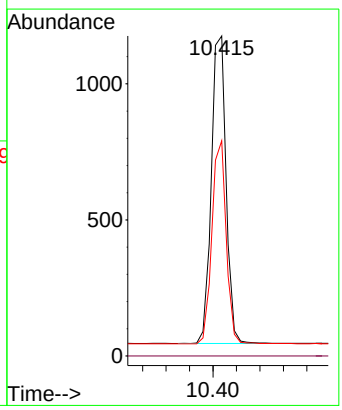


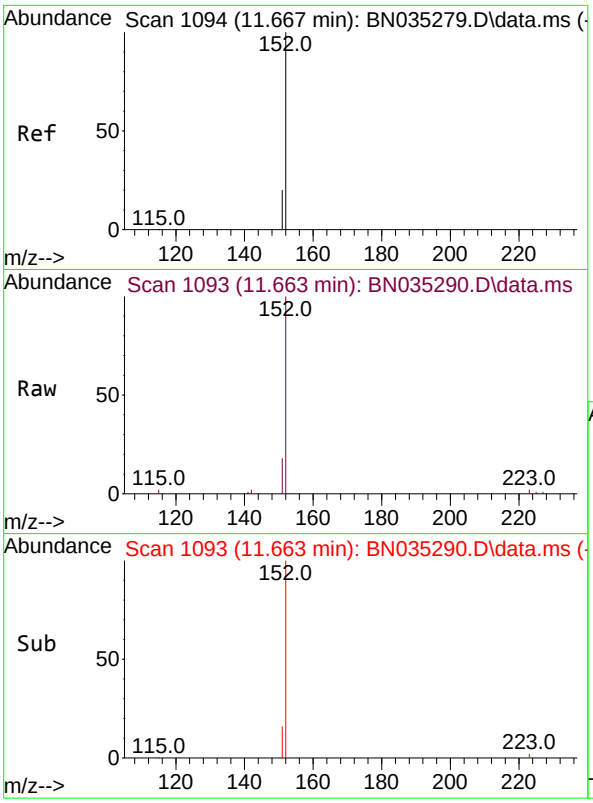


#10
Hexachlorobutadiene
Concen: 0.296 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:225 Resp: 1969

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.3	76.9



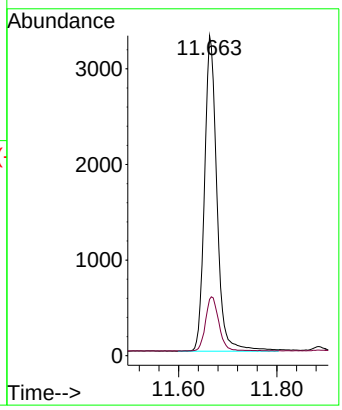


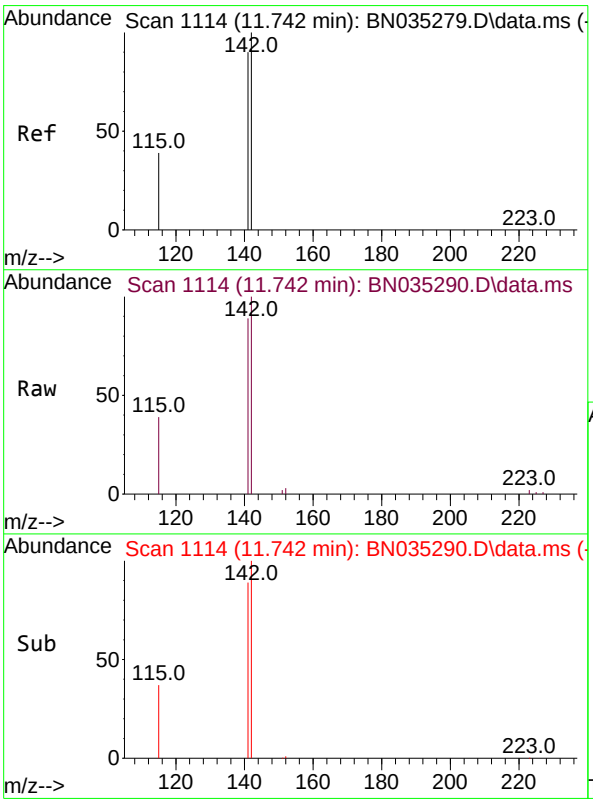
#11
2-Methylnaphthalene-d10
Concen: 0.483 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion:152 Resp: 5762

Ion	Ratio	Lower	Upper
152	100		
151	18.4	17.2	25.8

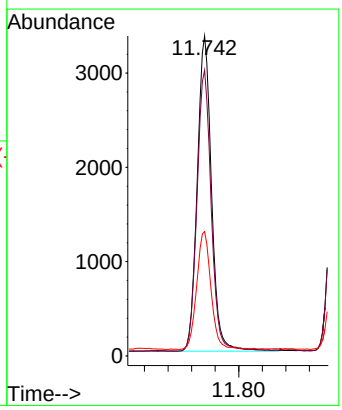


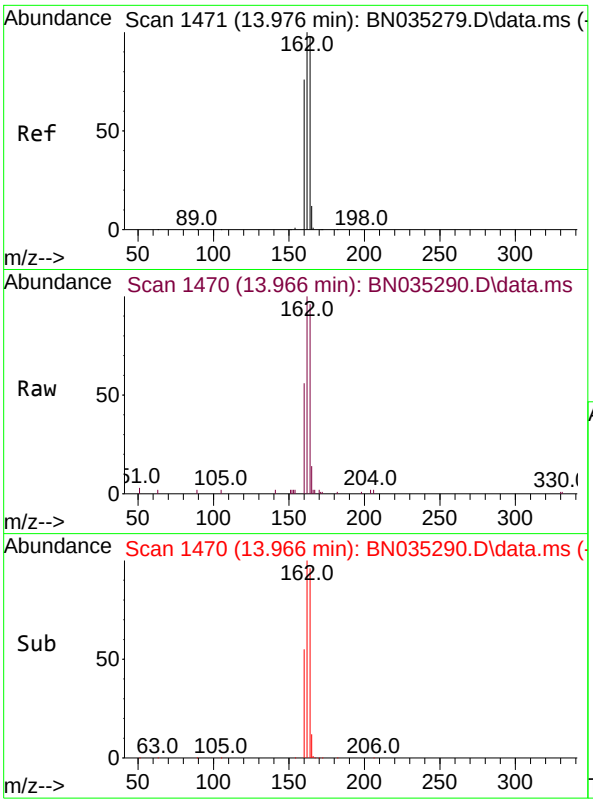


#12
2-Methylnaphthalene
Concen: 0.363 ng
RT: 11.742 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:142 Resp: 5618

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.8	107.8
115	38.8	32.6	49.0



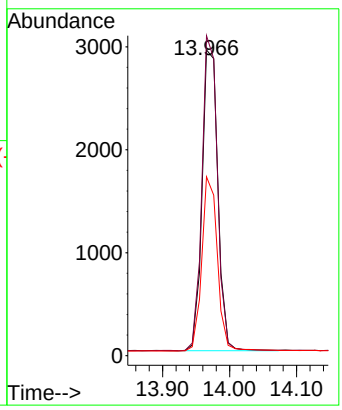


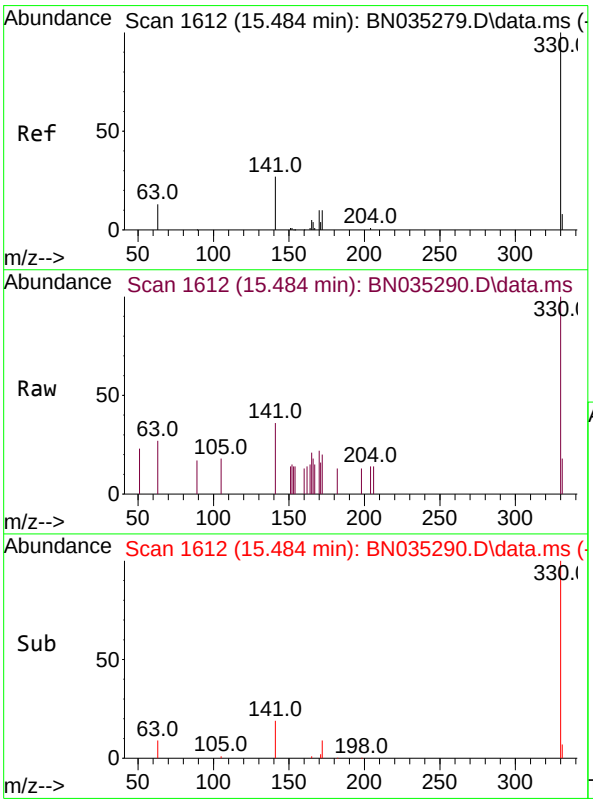
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.966 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion:164 Resp: 4791

Ion	Ratio	Lower	Upper
164	100		
162	104.6	82.0	123.0
160	58.5	63.0	94.4#

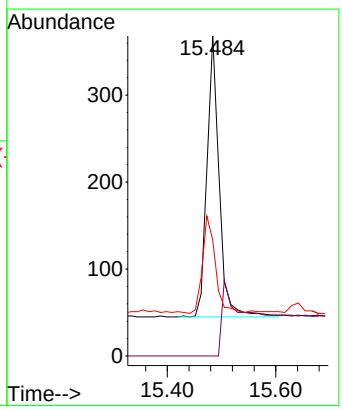


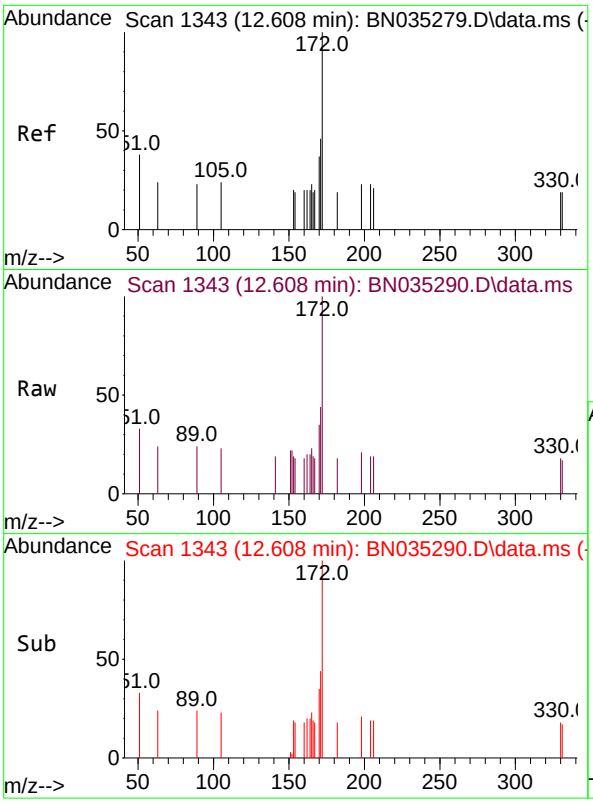


#14
2,4,6-Tribromophenol
Concen: 0.220 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:330 Resp: 538

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.7	32.4	48.6



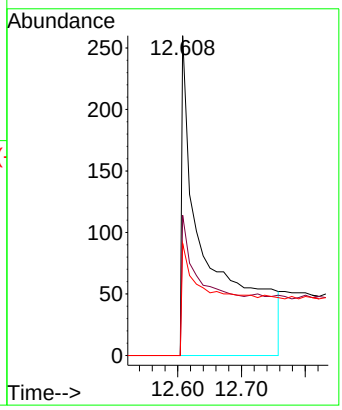


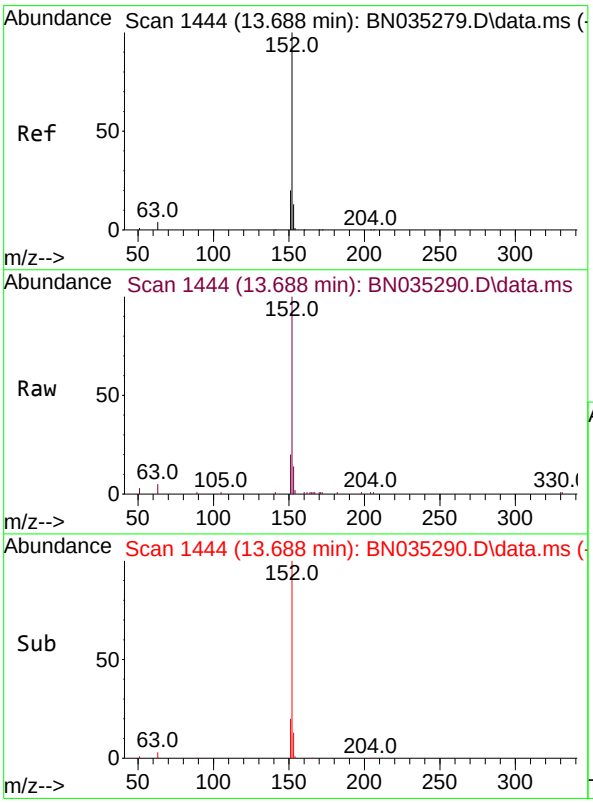
#15
2-Fluorobiphenyl
Concen: 0.273 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion:172 Resp: 722

Ion	Ratio	Lower	Upper
172	100		
171	43.8	36.6	55.0
170	35.0	29.7	44.5

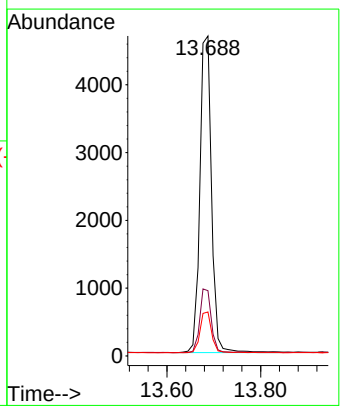


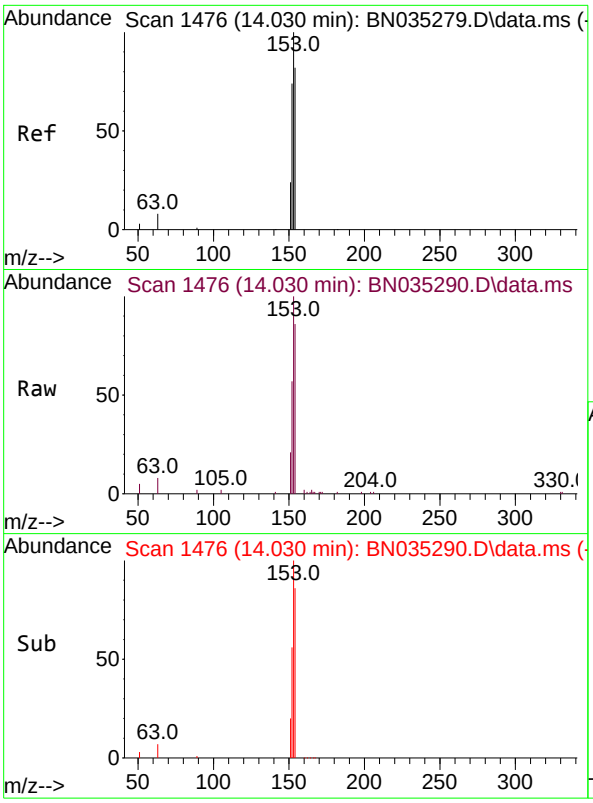


#16
Acenaphthylene
Concen: 0.334 ng
RT: 13.688 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:152 Resp: 8047

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	12.8	10.2	15.4



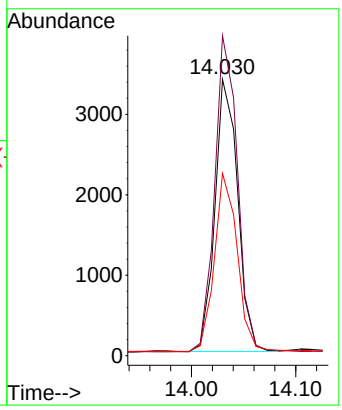


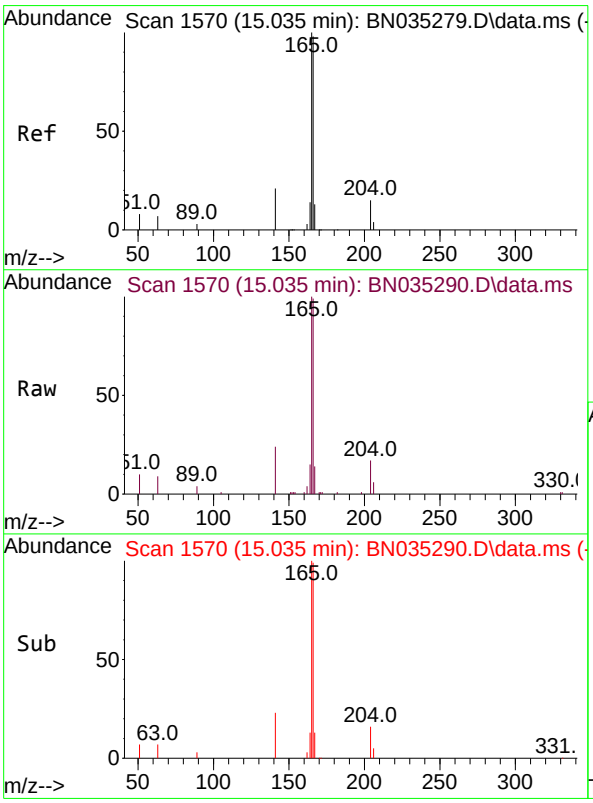
#17
Acenaphthene
Concen: 0.338 ng
RT: 14.030 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion:154 Resp: 5138

Ion	Ratio	Lower	Upper
154	100		
153	116.2	96.1	144.1
152	66.0	72.2	108.2#

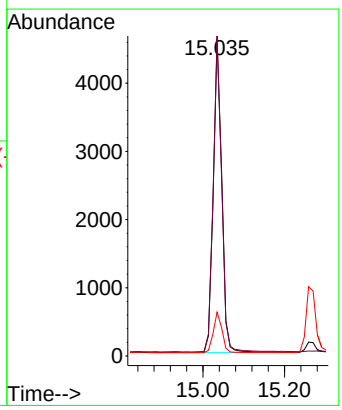


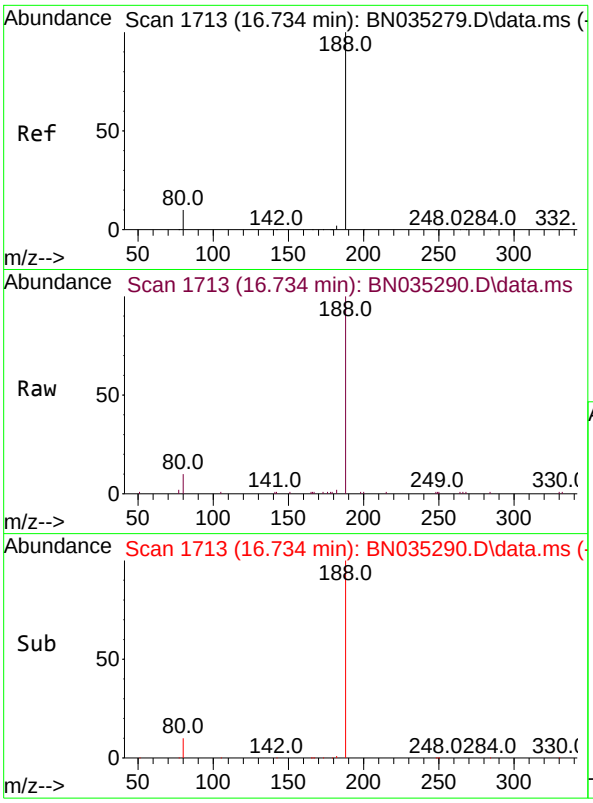


#18
Fluorene
Concen: 0.312 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:166 Resp: 6631

Ion	Ratio	Lower	Upper
166	100		
165	99.7	81.2	121.8
167	13.4	10.5	15.7



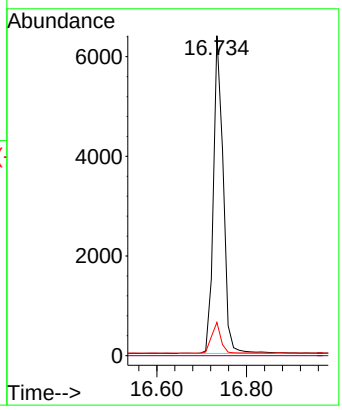


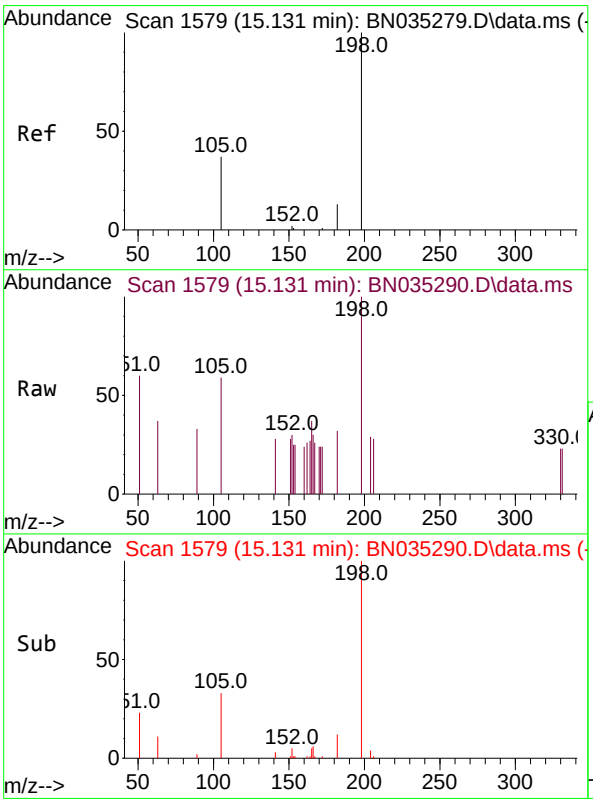
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion:188 Resp: 9614

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.4	8.9	13.3

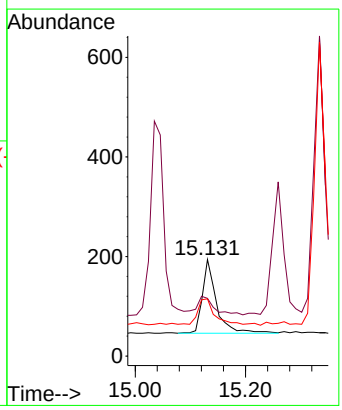


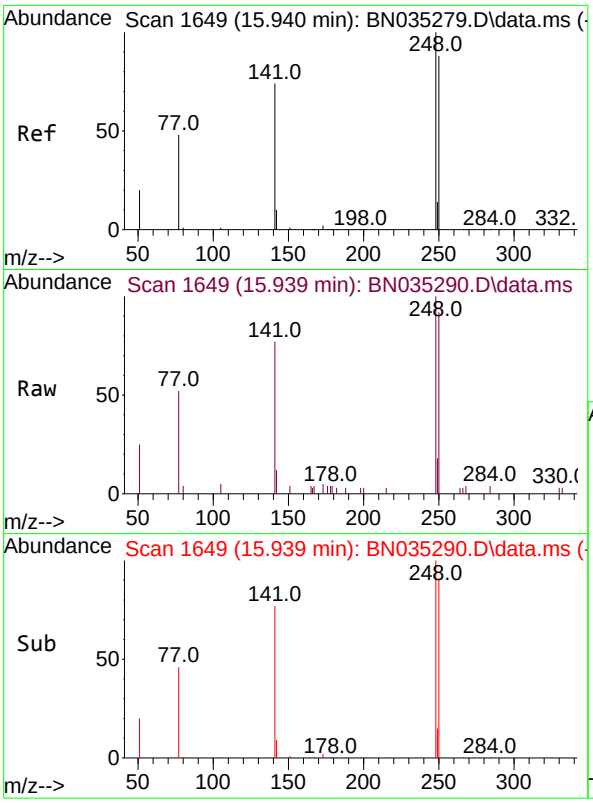


#20
4,6-Dinitro-2-methylphenol
Concen: 0.378 ng
RT: 15.131 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:198 Resp: 262

Ion	Ratio	Lower	Upper
198	100		
51	59.8	53.6	80.4
105	59.3	47.4	71.2



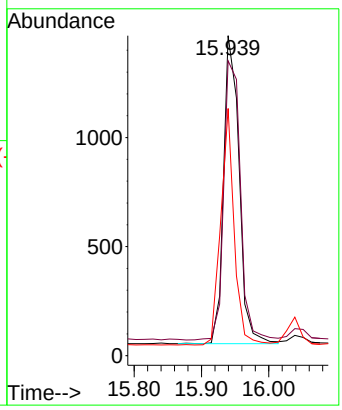


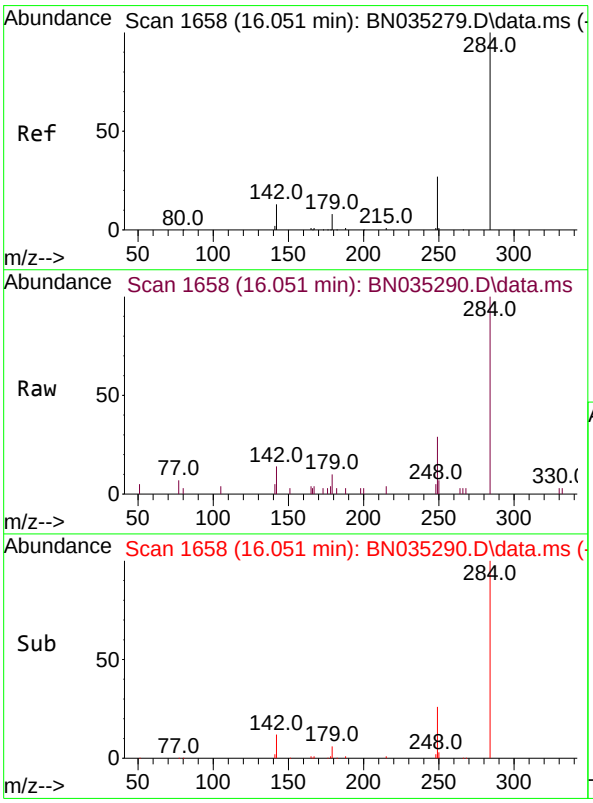
#21
4-Bromophenyl-phenylether
Concen: 0.371 ng
RT: 15.939 min Scan# 1(
Delta R.T. -0.001 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion:248 Resp: 2264

Ion	Ratio	Lower	Upper
248	100		
250	92.2	74.8	112.2
141	77.2	59.0	88.4

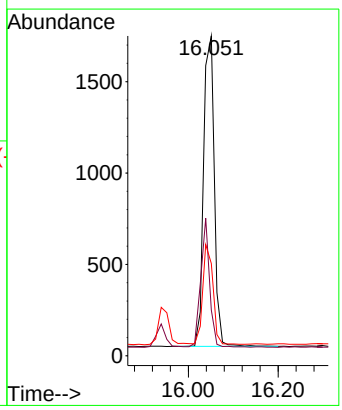


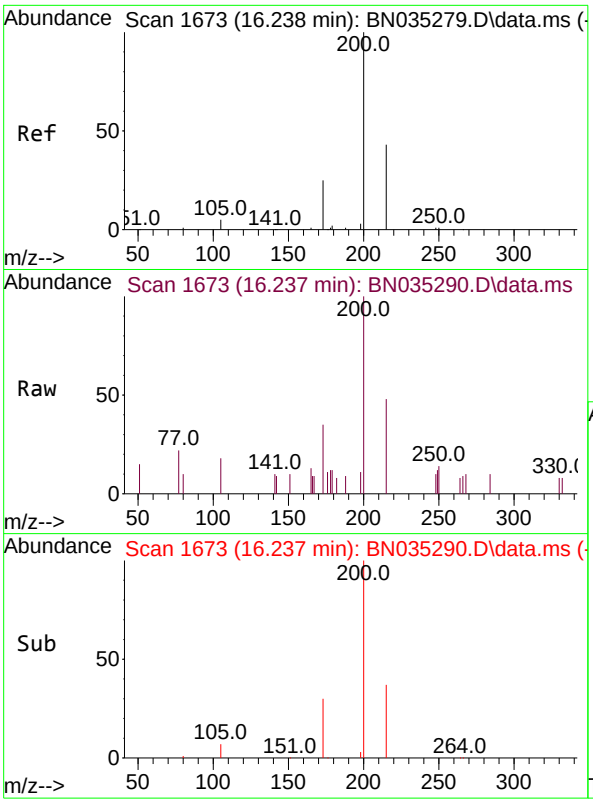


#22
Hexachlorobenzene
Concen: 0.322 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:284 Resp: 2814

Ion	Ratio	Lower	Upper
284	100		
142	34.5	28.7	43.1
249	30.6	25.4	38.0



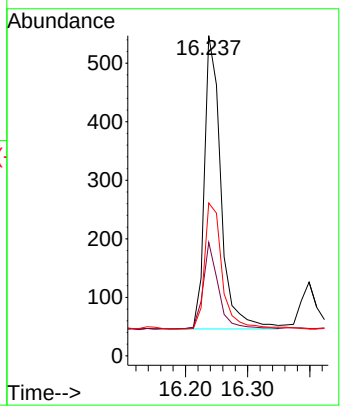


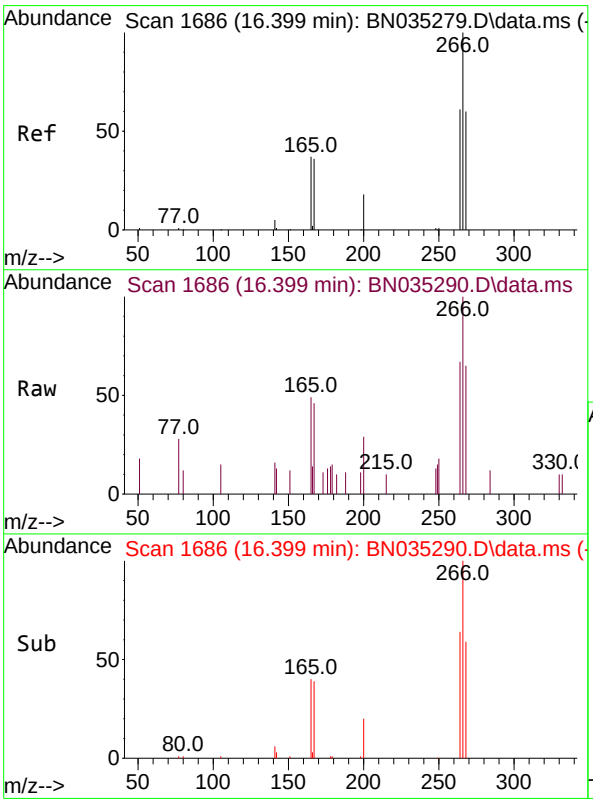
#23
Atrazine
Concen: 0.362 ng
RT: 16.237 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion:200 Resp: 929

Ion	Ratio	Lower	Upper
200	100		
173	35.5	25.8	38.8
215	47.7	38.6	58.0

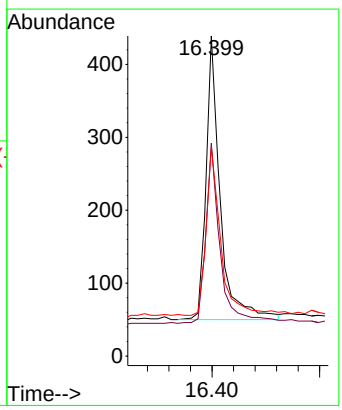


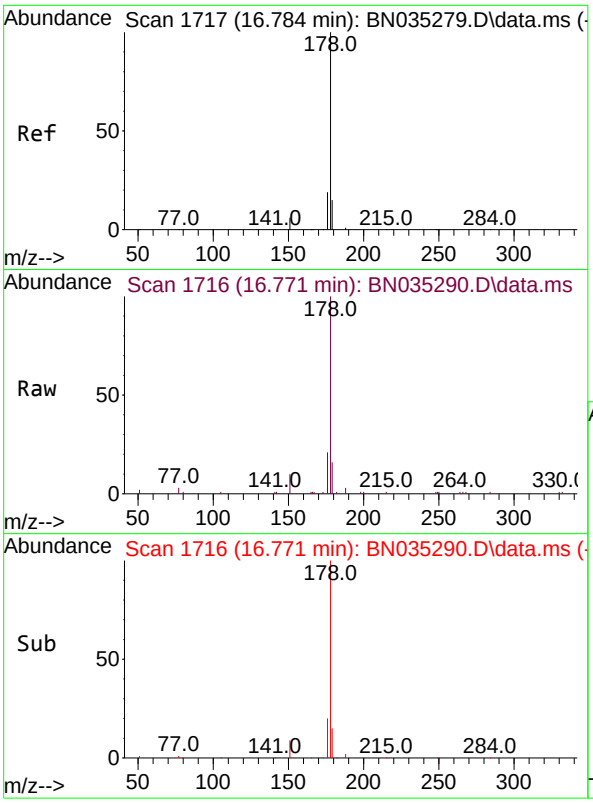


#24
Pentachlorophenol
Concen: 0.337 ng
RT: 16.399 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:266 Resp: 706

Ion	Ratio	Lower	Upper
266	100		
264	64.3	49.3	73.9
268	62.0	48.6	73.0



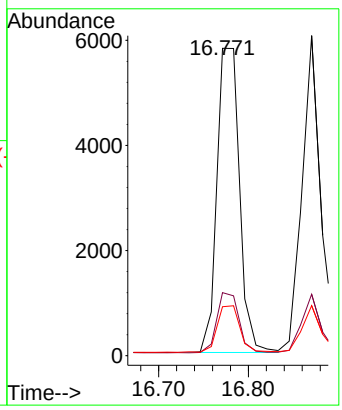


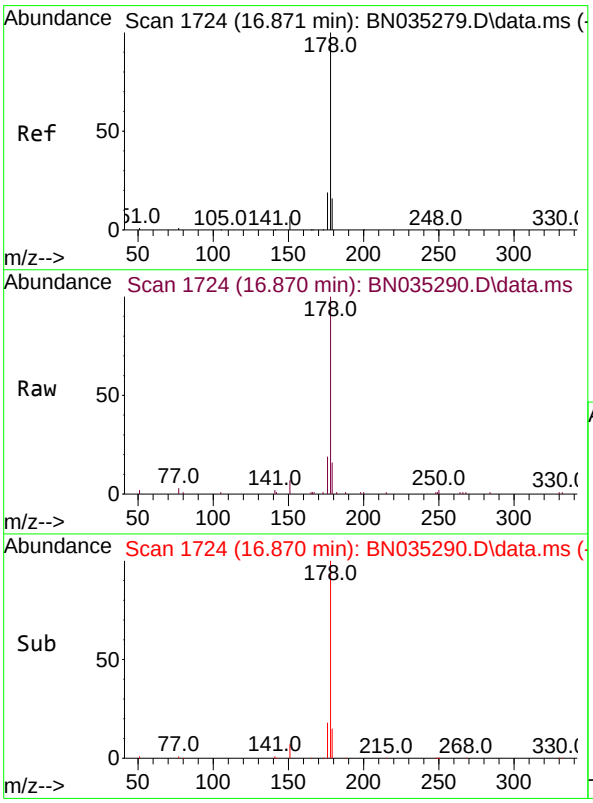
#25
Phenanthrene
Concen: 0.343 ng
RT: 16.771 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion:178 Resp: 10143

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.5	12.6	18.8

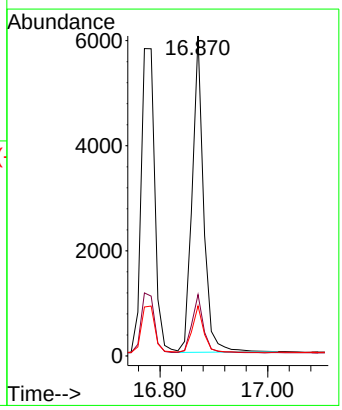


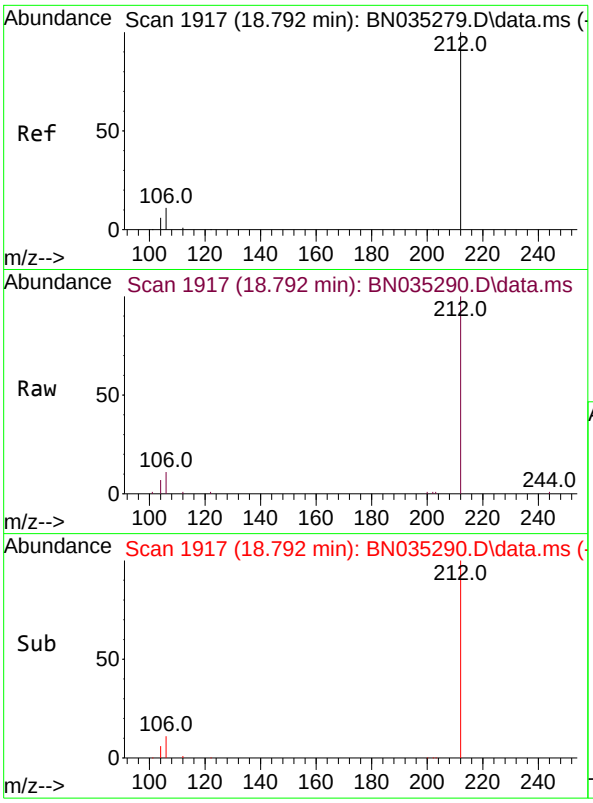


#26
Anthracene
Concen: 0.350 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:178 Resp: 8875

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	14.8	12.4	18.6



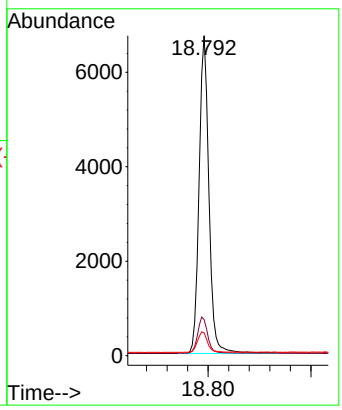


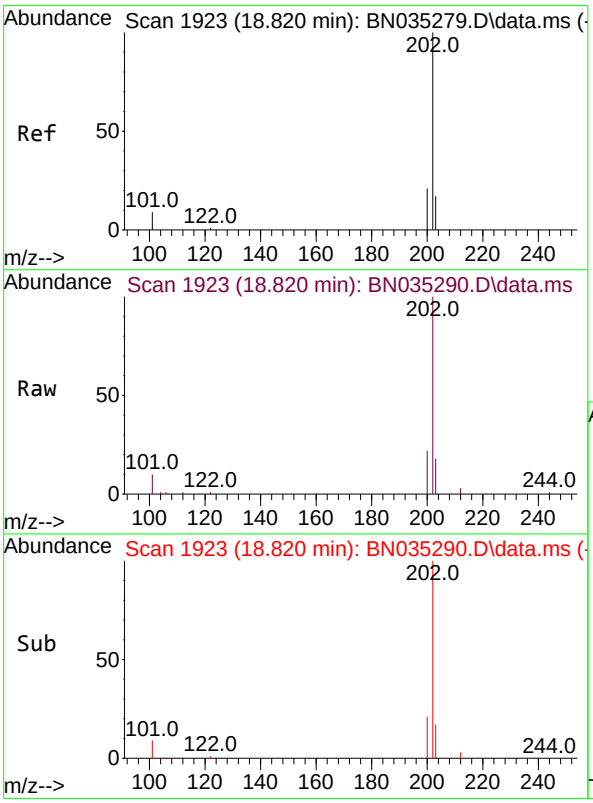
#27
Fluoranthene-d10
Concen: 0.348 ng
RT: 18.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion:212 Resp: 8963

Ion	Ratio	Lower	Upper
212	100		
106	11.6	9.8	14.8
104	6.7	5.6	8.4

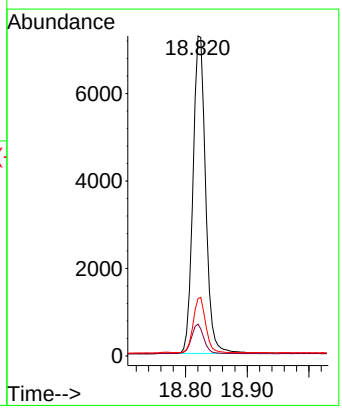


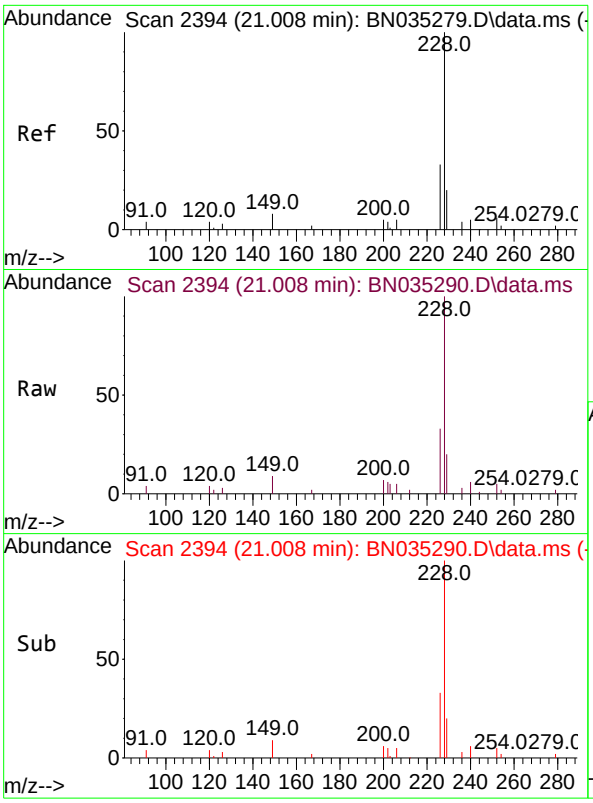


#28
Fluoranthene
Concen: 0.280 ng
RT: 18.820 min Scan# 1923
Delta R.T. 0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:202 Resp: 10421

Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.6	11.4
203	16.9	13.8	20.8



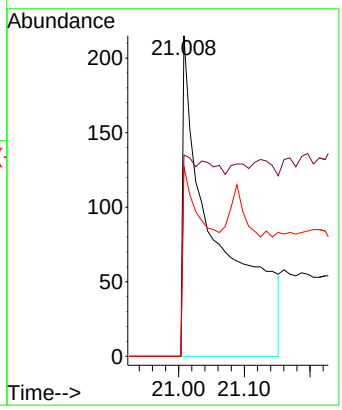


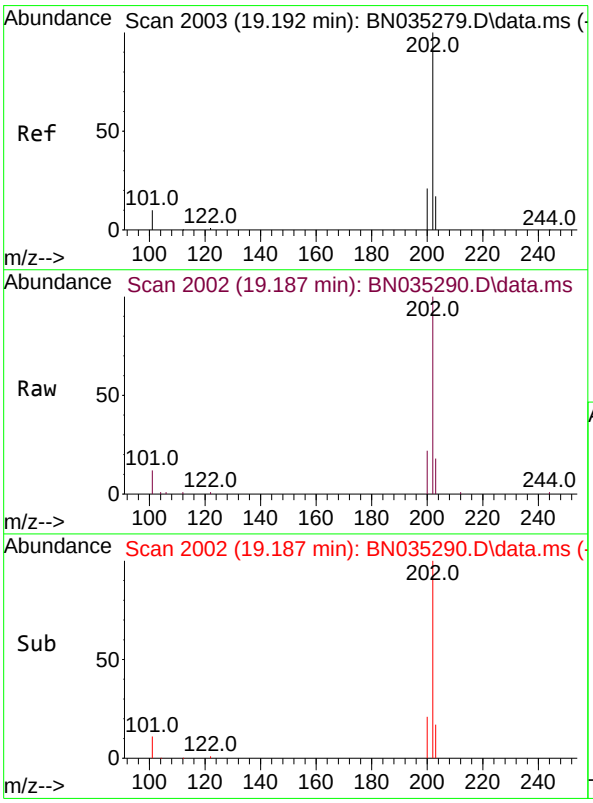
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion:240 Resp: 730

Ion	Ratio	Lower	Upper
240	100		
120	62.8	54.9	82.3
236	59.1	54.0	81.0

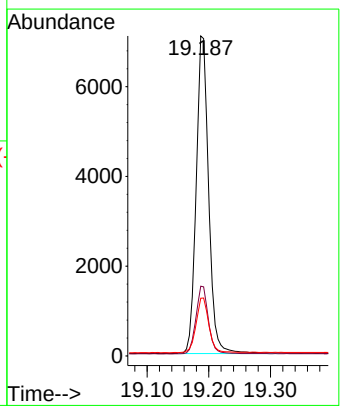


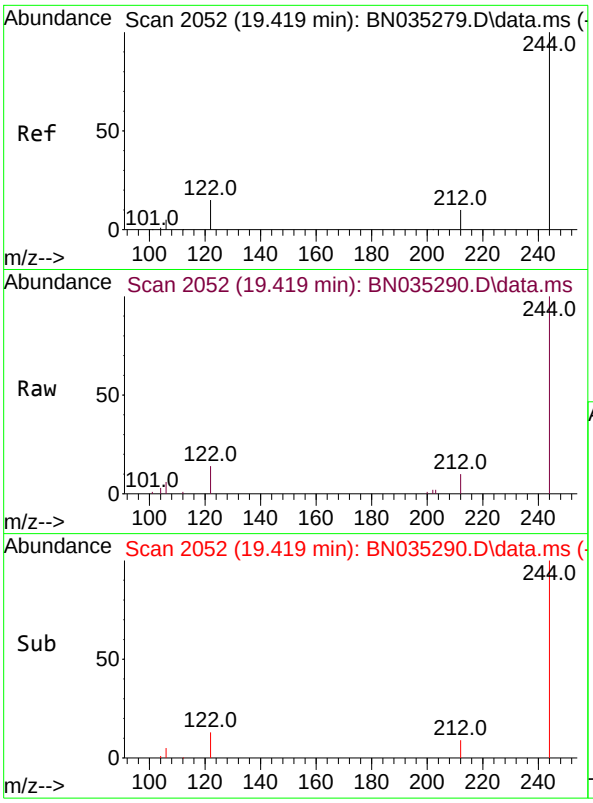


#30
Pyrene
Concen: 0.376 ng
RT: 19.187 min Scan# 2002
Delta R.T. -0.005 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:202 Resp: 9974

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.6	14.4	21.6



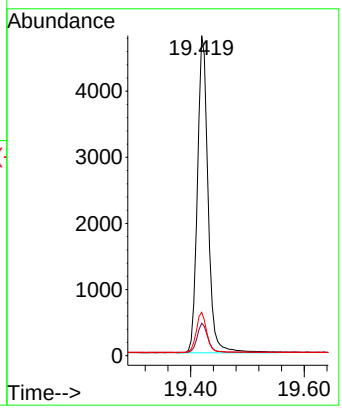


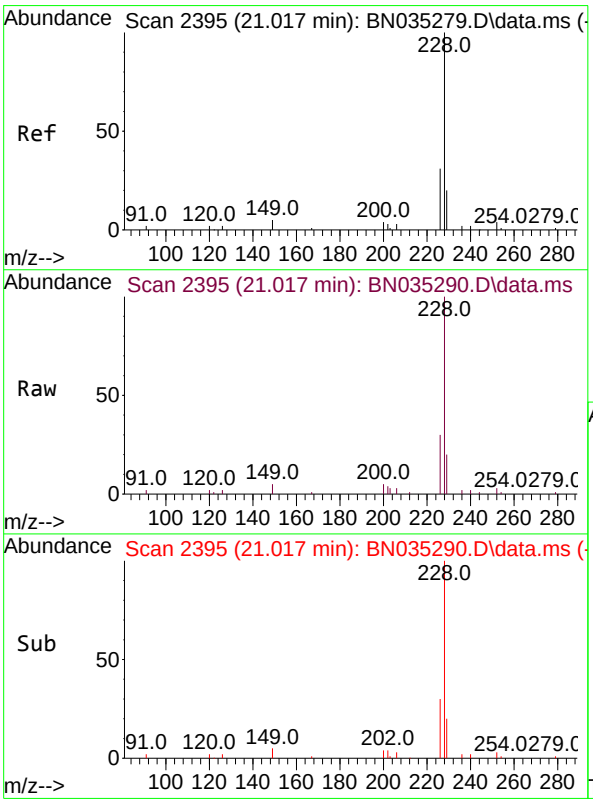
#31
Terphenyl-d14
Concen: 0.461 ng
RT: 19.419 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion:244 Resp: 6215

Ion	Ratio	Lower	Upper
244	100		
212	10.2	9.4	14.0
122	13.6	13.0	19.4

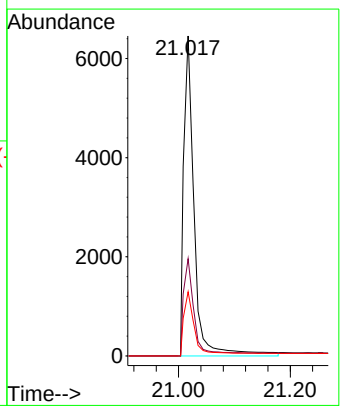


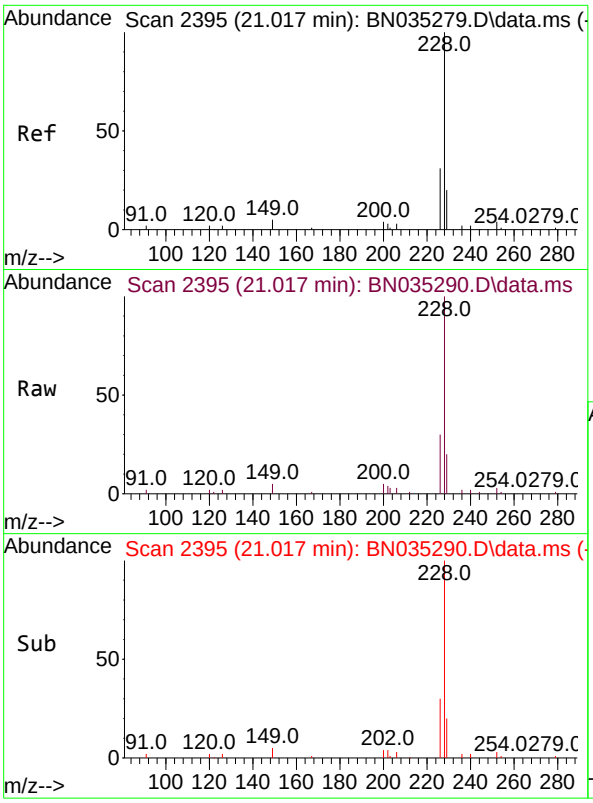


#32
Benzo(a)anthracene
Concen: 0.334 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:228 Resp: 8490

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	20.1	16.2	24.2



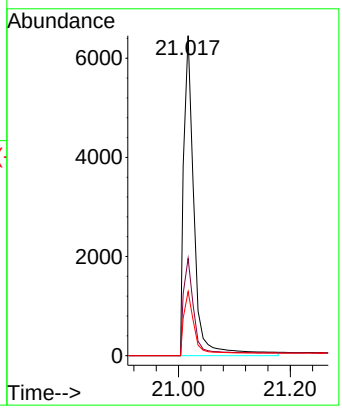


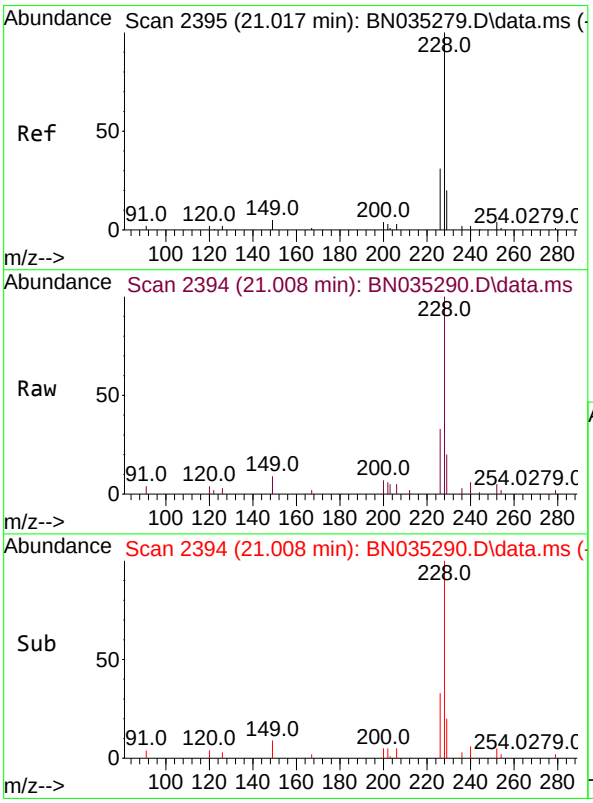
#33
Chrysene
Concen: 0.334 ng
RT: 21.017 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion:228 Resp: 8490

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	20.1	16.2	24.2

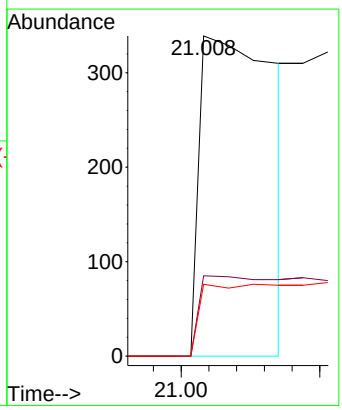


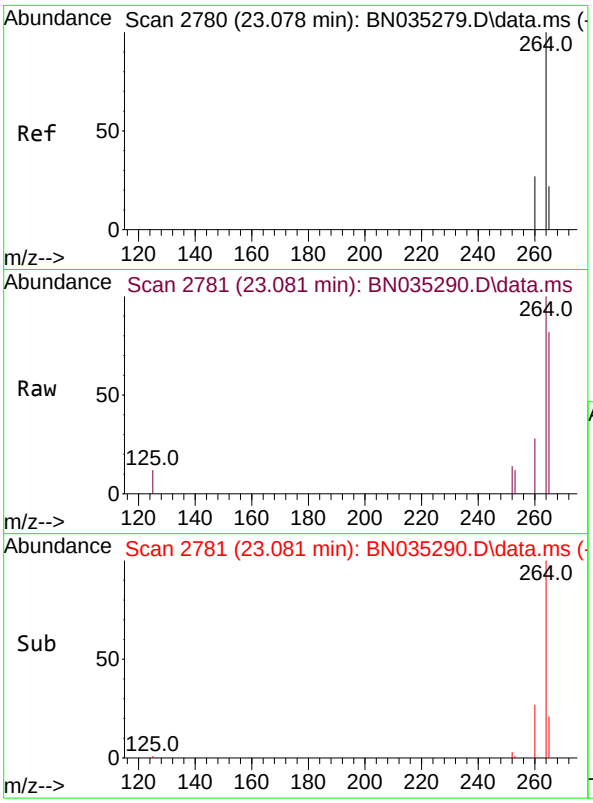


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.401 ng
RT: 21.008 min Scan# 2394
Delta R.T. -0.009 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:149 Resp: 560

Ion	Ratio	Lower	Upper
149	100		
167	25.7	0.0	0.0#
279	0.0	13.0	19.6#



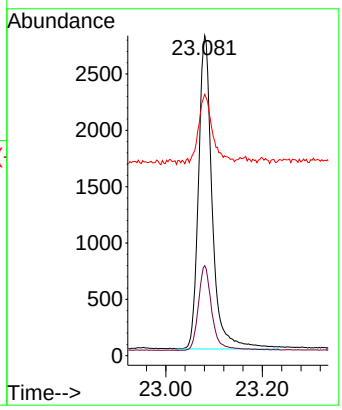


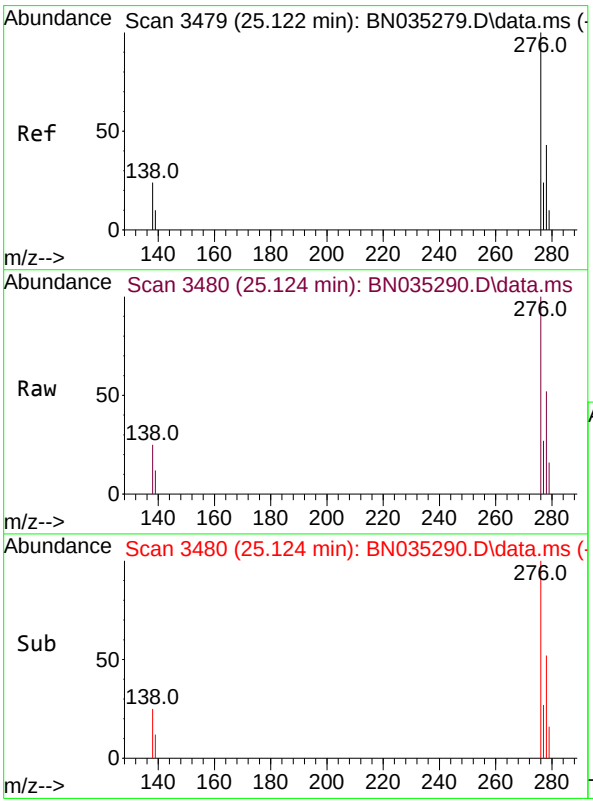
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.081 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion:264 Resp: 5488

Ion	Ratio	Lower	Upper
264	100		
260	28.1	22.3	33.5
265	81.7	68.6	103.0

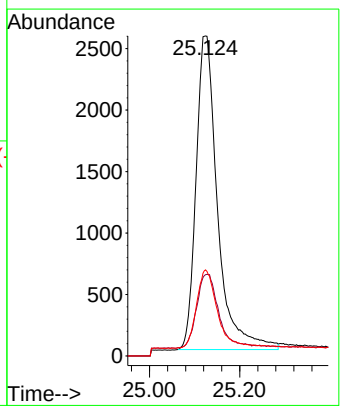


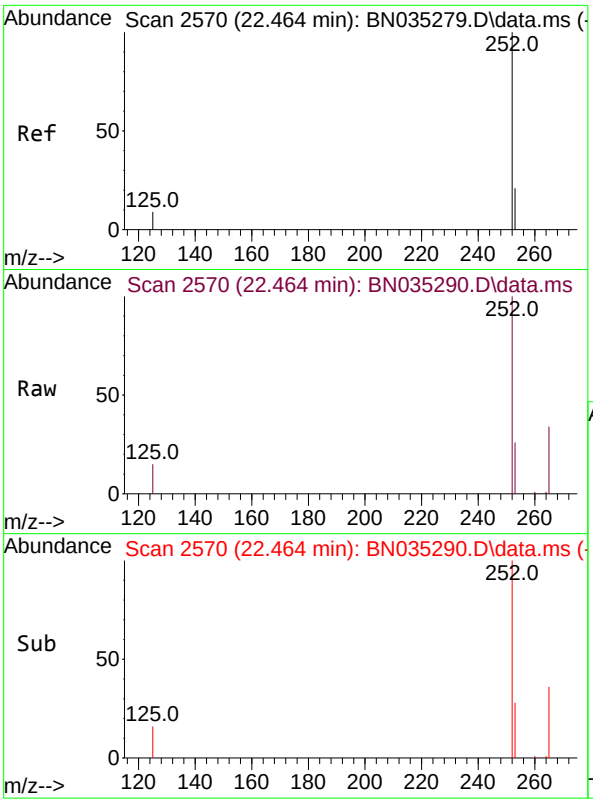


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.376 ng
RT: 25.124 min Scan# 3480
Delta R.T. 0.003 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:276 Resp: 8459

Ion	Ratio	Lower	Upper
276	100		
138	22.7	18.8	28.2
277	23.4	18.2	27.4



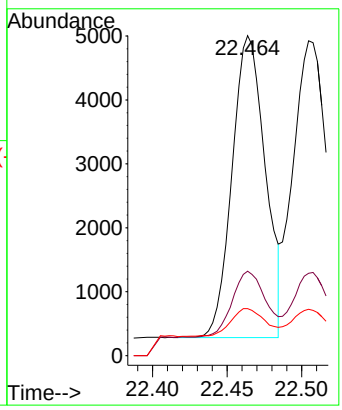


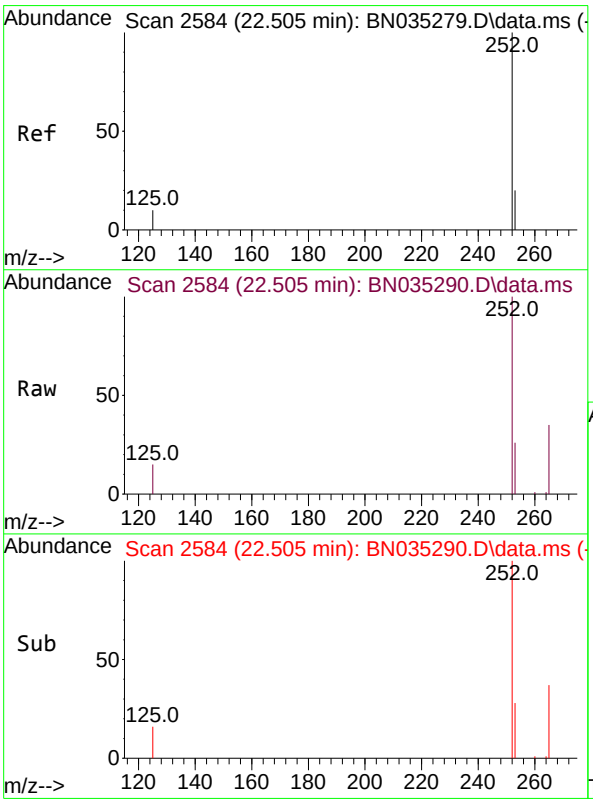
#37
Benzo(b)fluoranthene
Concen: 0.307 ng
RT: 22.464 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion:252 Resp: 7319

Ion	Ratio	Lower	Upper
252	100		
253	26.4	20.2	30.2
125	14.7	12.0	18.0

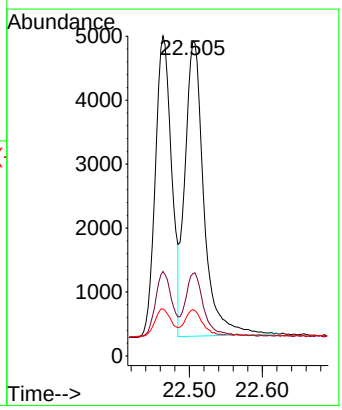


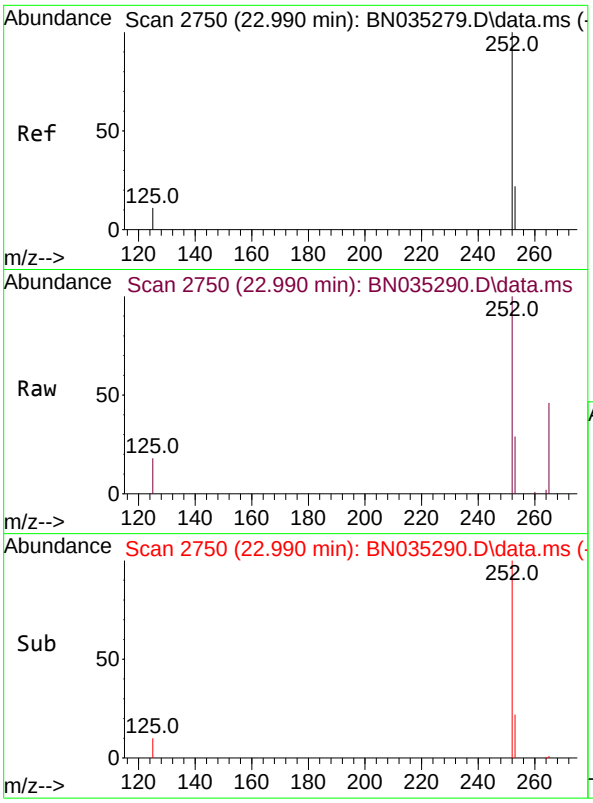


#38
Benzo(k)fluoranthene
Concen: 0.329 ng
RT: 22.505 min Scan# 2584
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:252 Resp: 8291

Ion	Ratio	Lower	Upper
252	100		
253	26.2	20.1	30.1
125	14.8	12.7	19.1



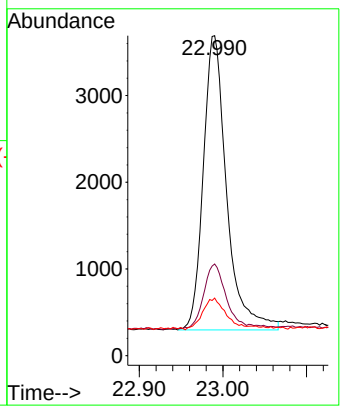


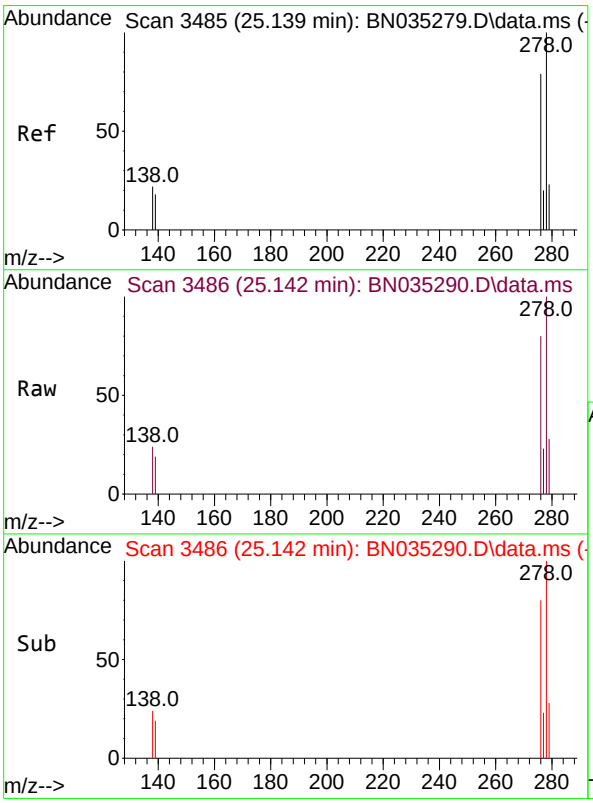
#39
Benzo(a)pyrene
Concen: 0.363 ng
RT: 22.990 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion:252 Resp: 6610

Ion	Ratio	Lower	Upper
252	100		
253	28.7	22.3	33.5
125	18.0	15.3	22.9

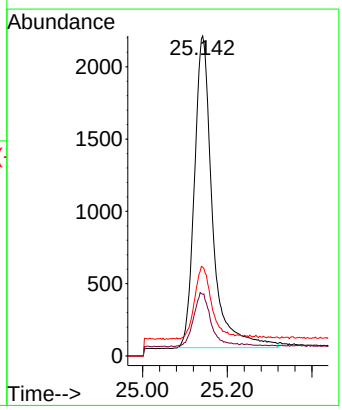


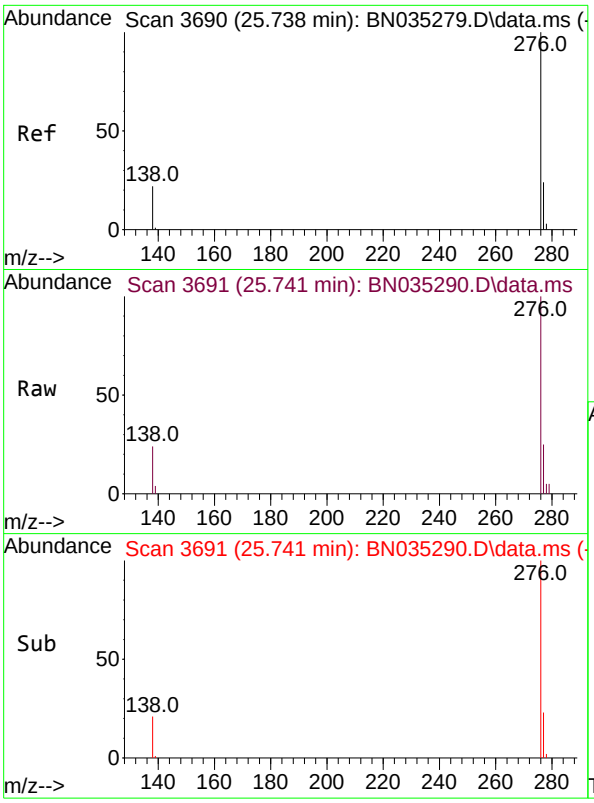


#40
Dibenzo(a,h)anthracene
Concen: 0.376 ng
RT: 25.142 min Scan# 3486
Delta R.T. 0.003 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Tgt Ion:278 Resp: 6393

Ion	Ratio	Lower	Upper
278	100		
139	19.3	17.0	25.6
279	27.7	23.0	34.4



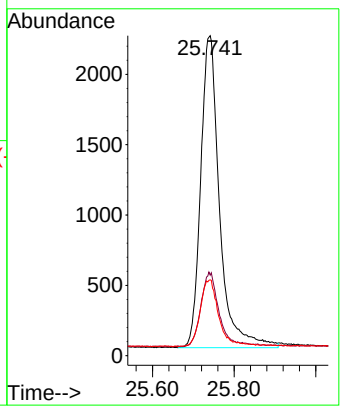


#41
Benzo(g,h,i)perylene
Concen: 0.362 ng
RT: 25.741 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN035290.D
Acq: 25 Nov 2024 18:44

Instrument :
BNA_N
ClientSampleId :
PB165150BS

Tgt Ion:276 Resp: 7117

Ion	Ratio	Lower	Upper
276	100		
277	25.1	21.1	31.7
138	23.7	19.8	29.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035291.D
Acq On : 25 Nov 2024 19:20
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Nov 26 03:32:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration

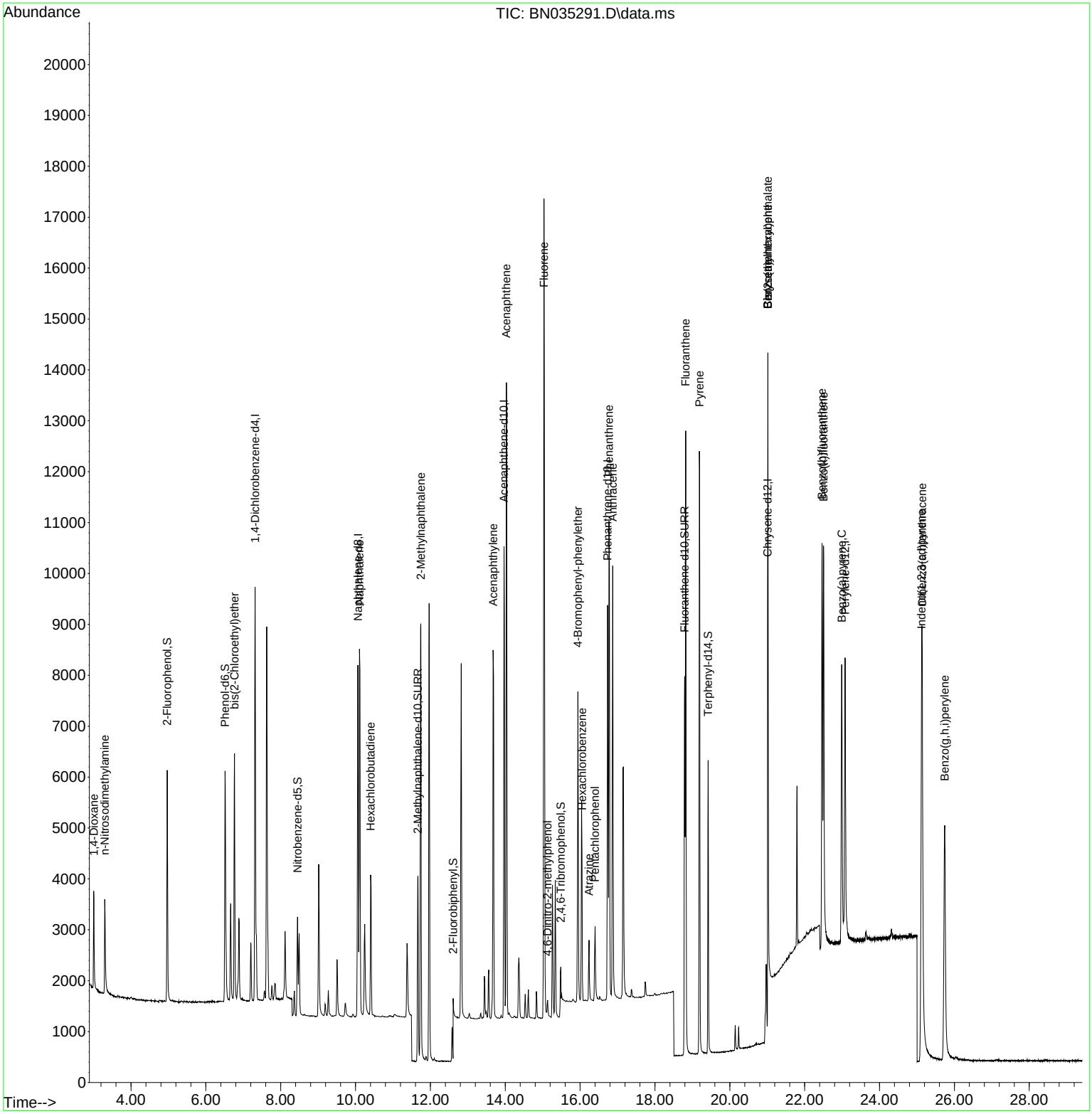
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.315	152	3803	0.400	ng	0.00
7) Naphthalene-d8	10.063	136	9055	0.400	ng	# 0.00
13) Acenaphthene-d10	13.965	164	5224	0.400	ng	#-0.01
19) Phenanthrene-d10	16.734	188	9941	0.400	ng	0.00
29) Chrysene-d12	21.008	240	677	0.400	ng	# 0.00
35) Perylene-d12	23.081	264	7069	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.968	112	3673	0.511	ng	0.00
5) Phenol-d6	6.513	99	4730	0.471	ng	0.00
8) Nitrobenzene-d5	8.450	82	1829	0.249	ng	0.00
11) 2-Methylnaphthalene-d10	11.663	152	5192	0.410	ng	0.00
14) 2,4,6-Tribromophenol	15.484	330	900	0.338	ng	0.00
15) 2-Fluorobiphenyl	12.608	172	751	0.260	ng	0.00
27) Fluoranthene-d10	18.792	212	8641	0.325	ng	0.00
31) Terphenyl-d14	19.419	244	5704	0.456	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.010	88	1445	0.529	ng	# 70
3) n-Nitrosodimethylamine	3.299	42	1020	0.360	ng	# 66
6) bis(2-Chloroethyl)ether	6.766	93	3708	0.439	ng	98
9) Naphthalene	10.105	128	9734	0.387	ng	99
10) Hexachlorobutadiene	10.404	225	2352	0.333	ng	# 100
12) 2-Methylnaphthalene	11.742	142	6373	0.388	ng	99
16) Acenaphthylene	13.677	152	8730	0.332	ng	100
17) Acenaphthene	14.030	154	5862	0.354	ng	# 87
18) Fluorene	15.035	166	7622	0.328	ng	98
20) 4,6-Dinitro-2-methylph...	15.131	198	296	0.395	ng	93
21) 4-Bromophenyl-phenylether	15.939	248	2578	0.409	ng	97
22) Hexachlorobenzene	16.051	284	3153	0.349	ng	98
23) Atrazine	16.237	200	1035	0.390	ng	97
24) Pentachlorophenol	16.399	266	792	0.366	ng	96
25) Phenanthrene	16.771	178	10947	0.358	ng	100
26) Anthracene	16.870	178	9149	0.349	ng	100
28) Fluoranthene	18.820	202	11418	0.296	ng	99
30) Pyrene	19.187	202	11057	0.449	ng	100
32) Benzo(a)anthracene	21.017	228	9935	0.422	ng	100
33) Chrysene	21.017	228	9935	0.422	ng	100
34) Bis(2-ethylhexyl)phtha...	21.017	149	560	0.432	ng	# 100
36) Indeno(1,2,3-cd)pyrene	25.121	276	11395	0.394	ng	98
37) Benzo(b)fluoranthene	22.464	252	9613	0.313	ng	98
38) Benzo(k)fluoranthene	22.505	252	10650	0.328	ng	98
39) Benzo(a)pyrene	22.987	252	8220	0.350	ng	97
40) Dibenzo(a,h)anthracene	25.139	278	8732	0.399	ng	95
41) Benzo(g,h,i)perylene	25.741	276	9930	0.392	ng	97

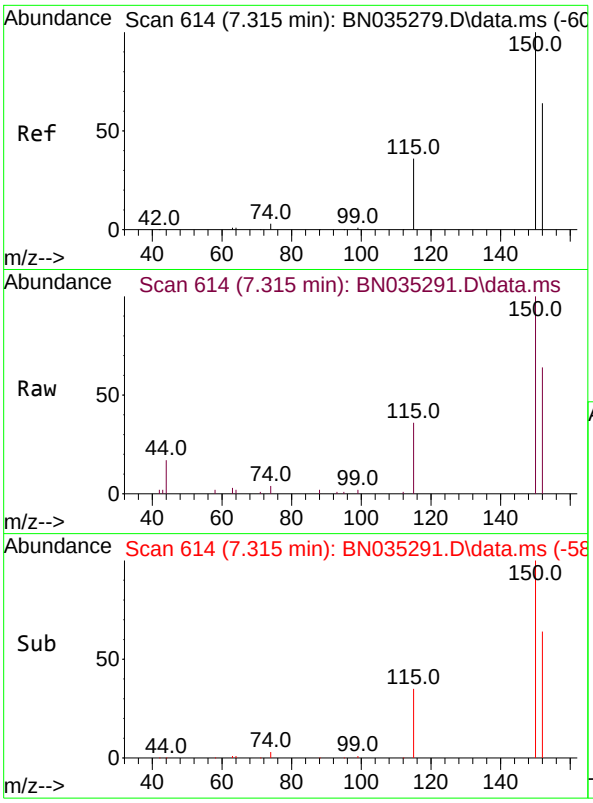
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112524\
Data File : BN035291.D
Acq On : 25 Nov 2024 19:20
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Nov 26 03:32:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 02:36:08 2024
Response via : Initial Calibration



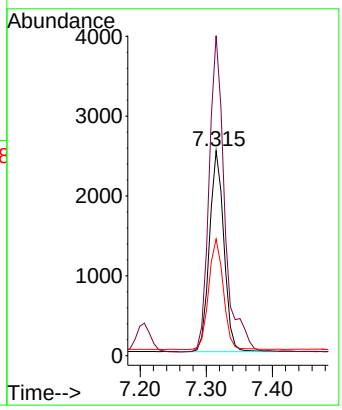


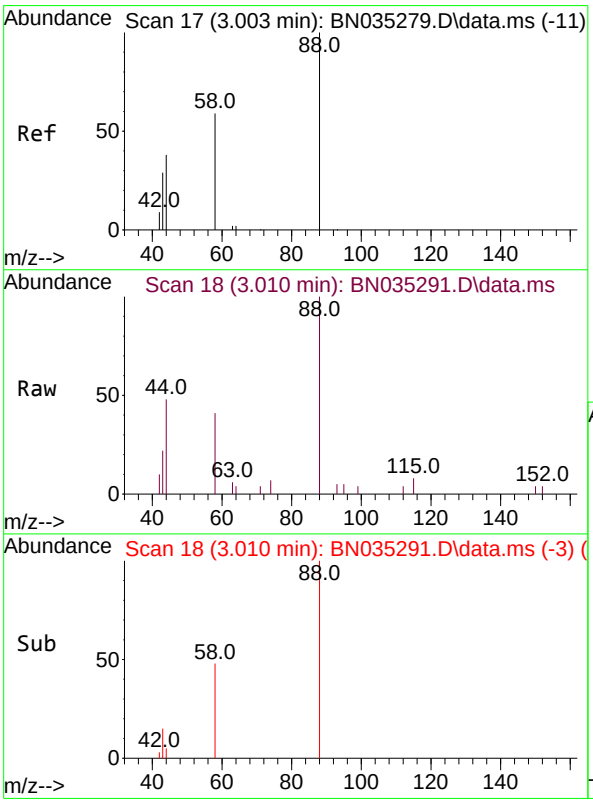
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.315 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 3803

Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.5	186.7
115	57.0	47.8	71.8

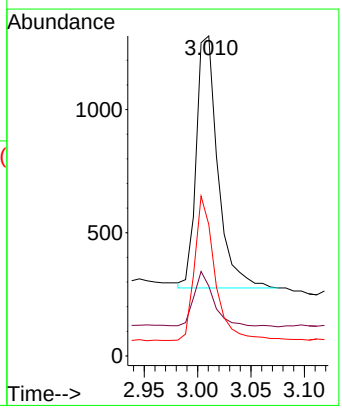


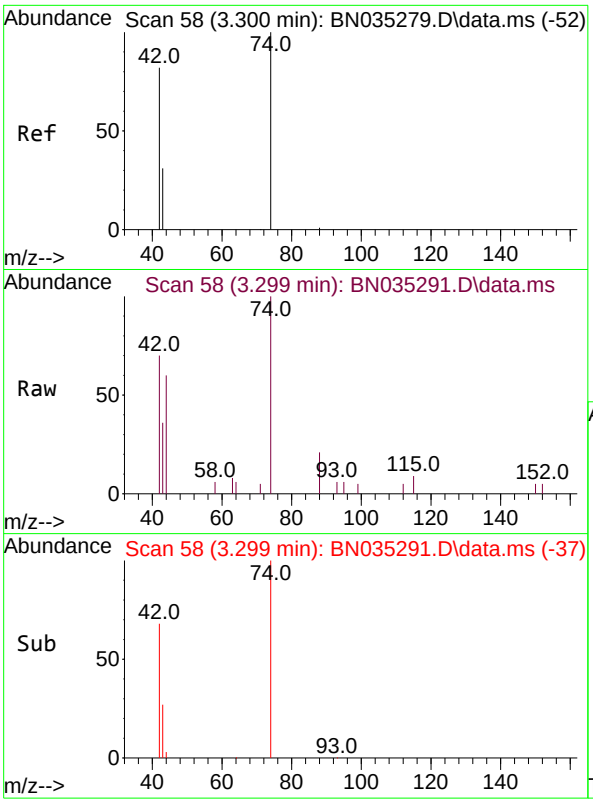


#2
1,4-Dioxane
Concen: 0.529 ng
RT: 3.010 min Scan# 18
Delta R.T. 0.007 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion: 88 Resp: 1445

Ion	Ratio	Lower	Upper
88	100		
43	20.5	48.1	72.1#
58	53.4	46.9	70.3



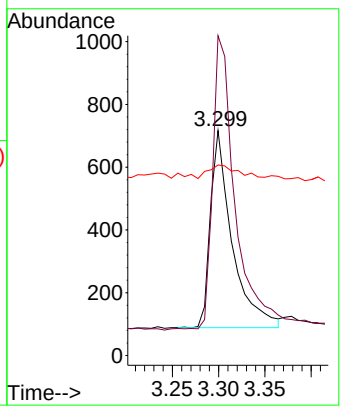


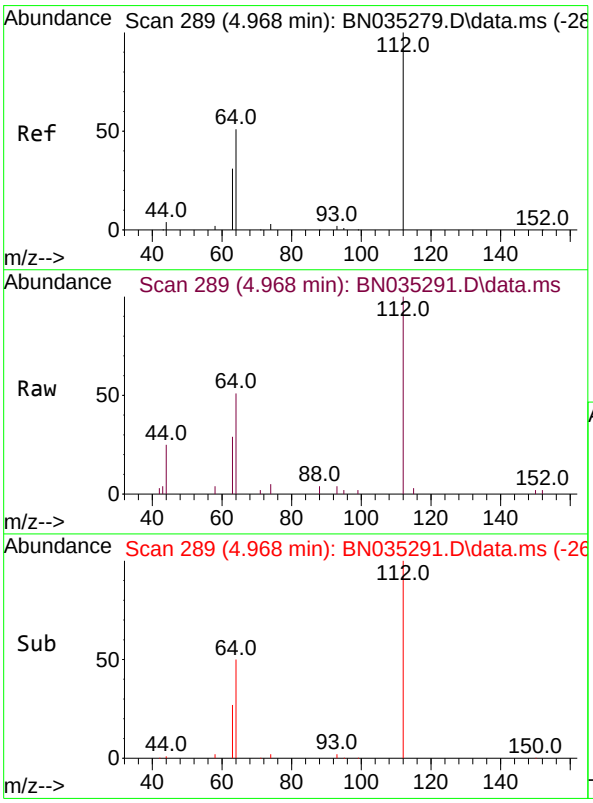
#3
n-Nitrosodimethylamine
Concen: 0.360 ng
RT: 3.299 min Scan# 5
Delta R.T. -0.001 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 1020

Ion	Ratio	Lower	Upper
42	100		
74	160.9	102.7	154.1#
44	9.3	34.1	51.1#

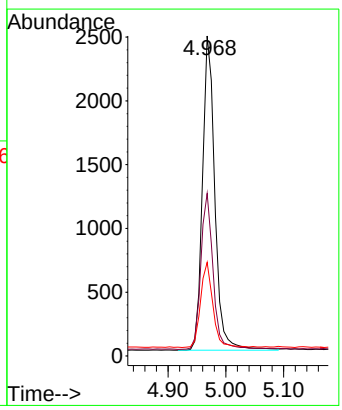


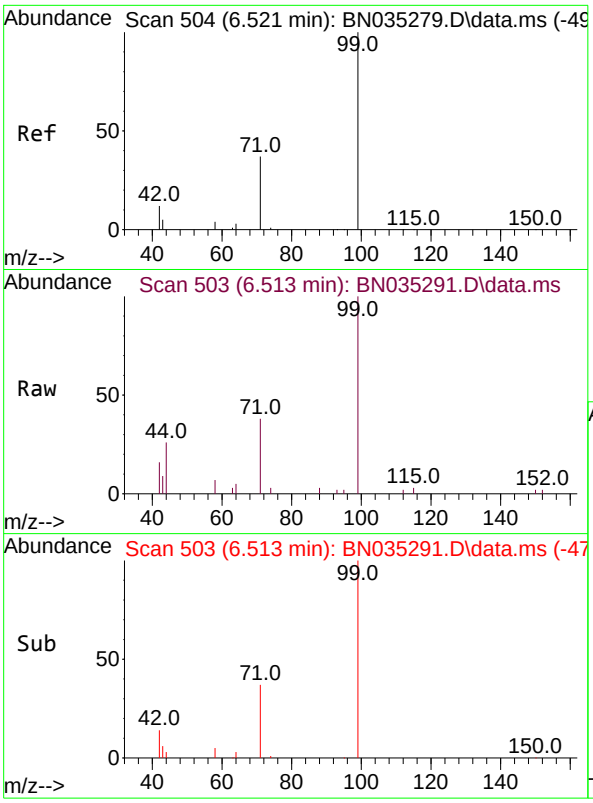


#4
2-Fluorophenol
Concen: 0.511 ng
RT: 4.968 min Scan# 289
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:112 Resp: 3673

Ion	Ratio	Lower	Upper
112	100		
64	49.8	40.4	60.6
63	27.0	23.8	35.8



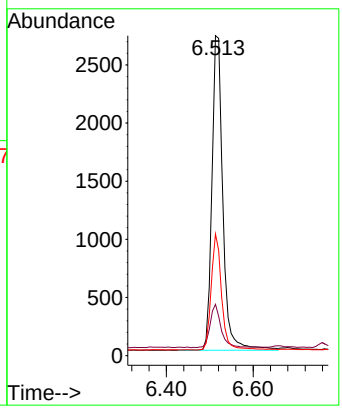


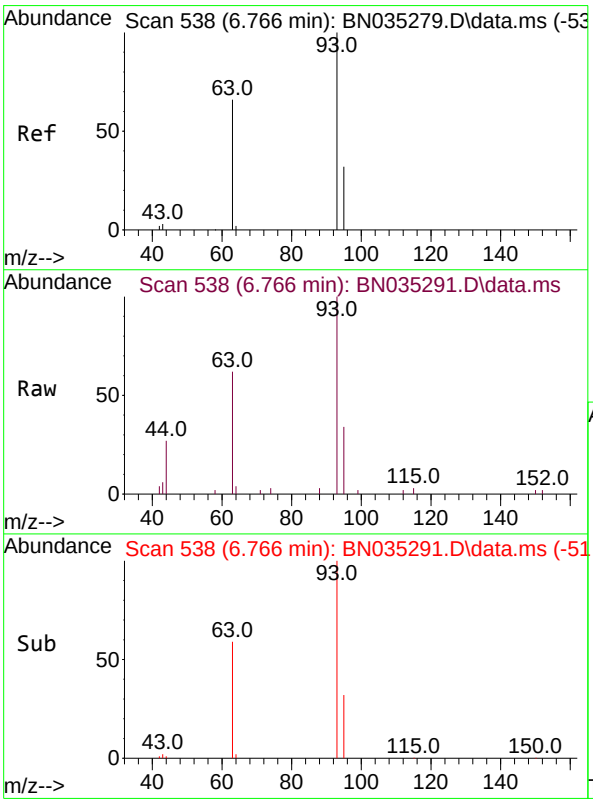
#5
Phenol-d6
Concen: 0.471 ng
RT: 6.513 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 4730

Ion	Ratio	Lower	Upper
99	100		
42	13.7	12.8	19.2
71	35.5	31.4	47.2

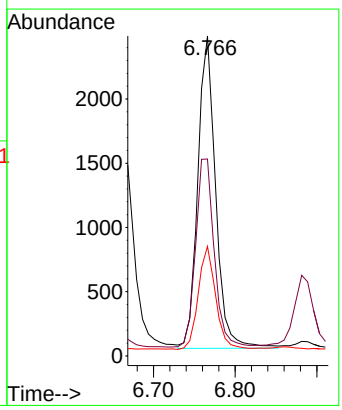


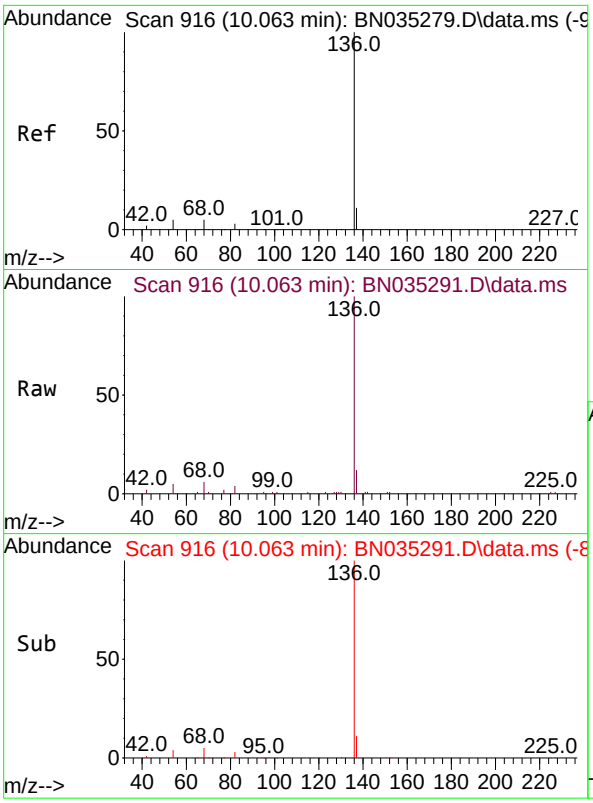


#6
bis(2-Chloroethyl)ether
Concen: 0.439 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion: 93 Resp: 3708

Ion	Ratio	Lower	Upper
93	100		
63	62.8	52.3	78.5
95	31.8	25.5	38.3



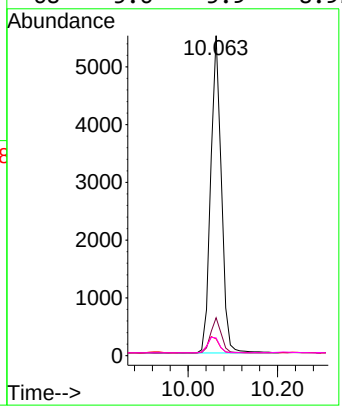


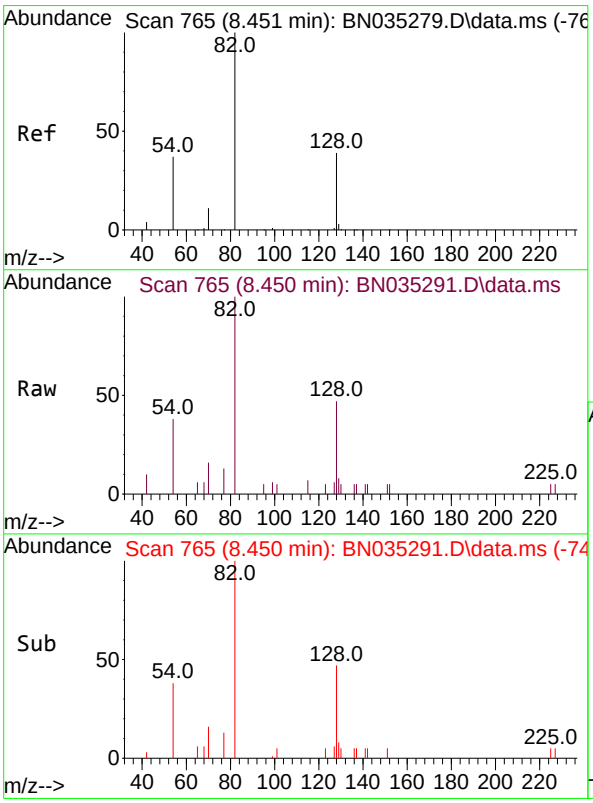
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.063 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 9055

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.7	14.5
54	5.3	5.3	7.9#
68	5.6	5.9	8.9#

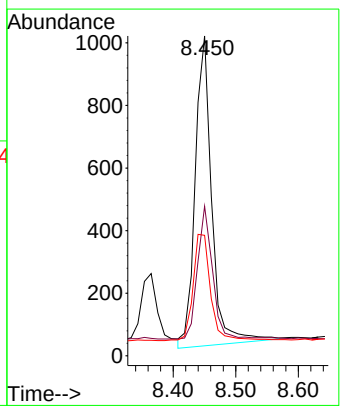


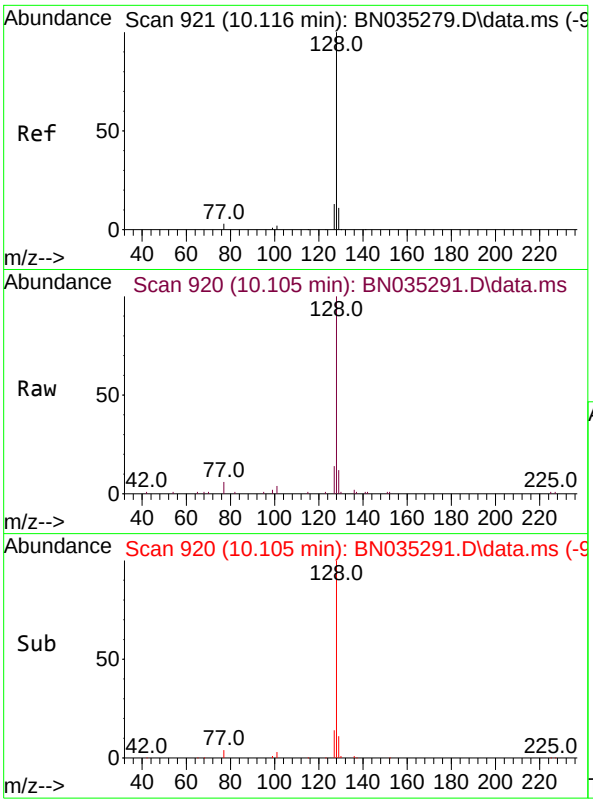


#8
Nitrobenzene-d5
Concen: 0.249 ng
RT: 8.450 min Scan# 765
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion: 82 Resp: 1829

Ion	Ratio	Lower	Upper
82	100		
128	46.8	33.0	49.4
54	37.7	33.3	49.9



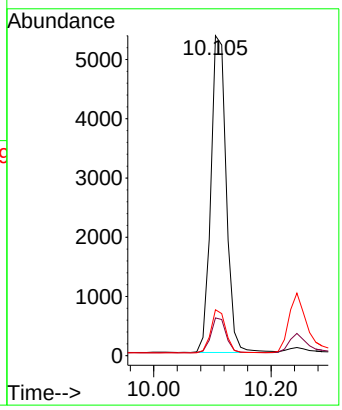


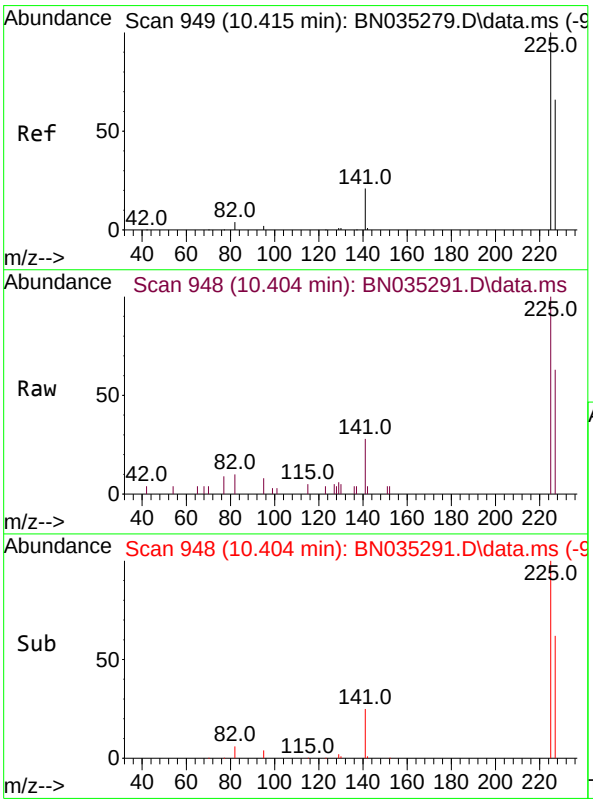
#9
Naphthalene
Concen: 0.387 ng
RT: 10.105 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 9734

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.6	14.4
127	14.4	11.3	16.9

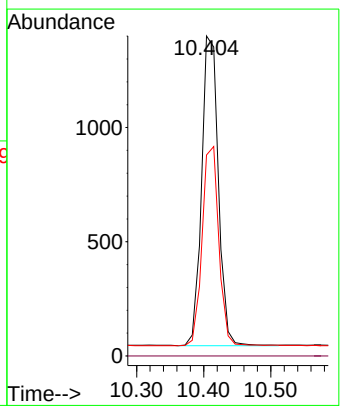


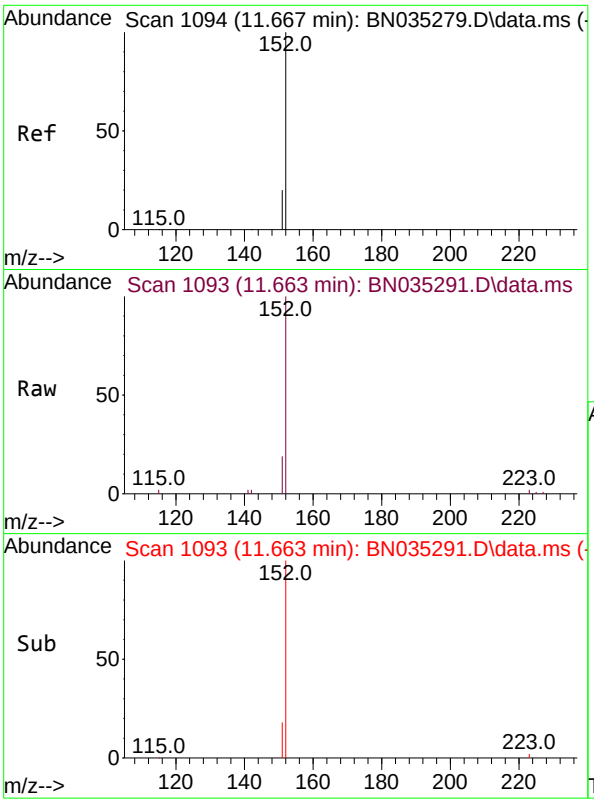


#10
Hexachlorobutadiene
Concen: 0.333 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:225 Resp: 2352

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	51.3	76.9



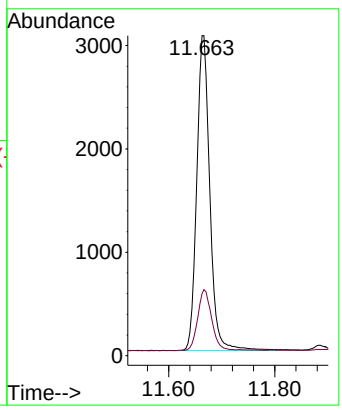


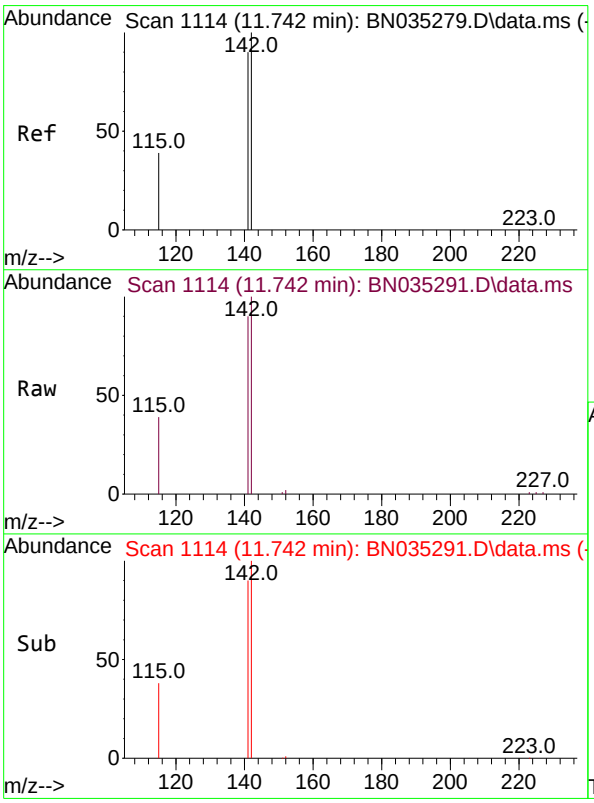
#11
2-Methylnaphthalene-d10
Concen: 0.410 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 5192

Ion	Ratio	Lower	Upper
152	100		
151	20.7	17.2	25.8

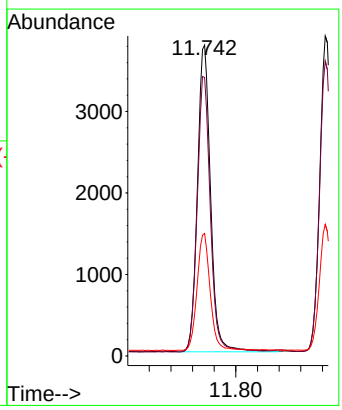


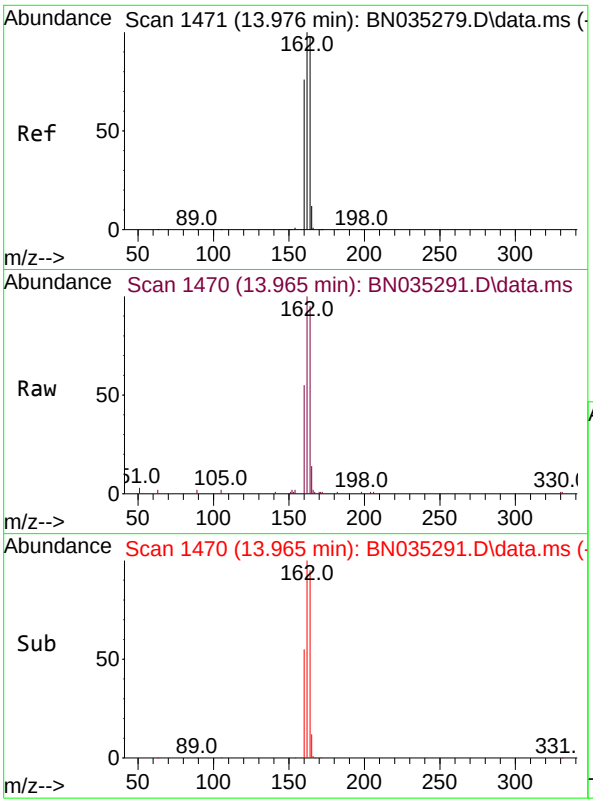


#12
2-Methylnaphthalene
Concen: 0.388 ng
RT: 11.742 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:142 Resp: 6373

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.8	107.8
115	39.4	32.6	49.0



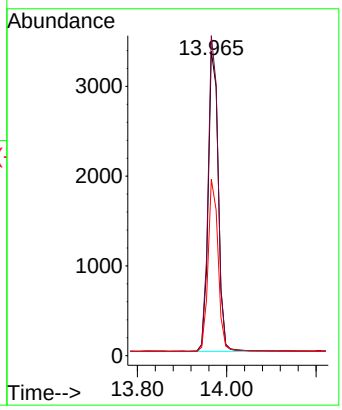


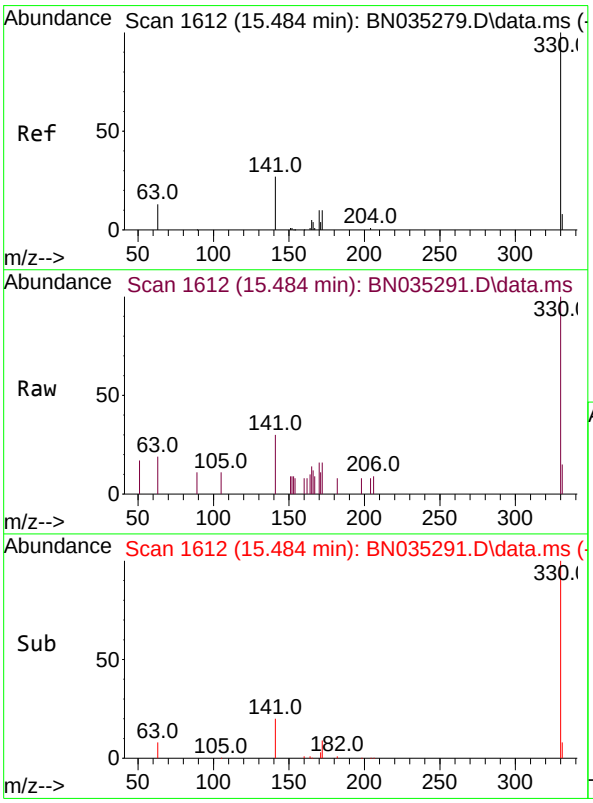
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.965 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 5224

Ion	Ratio	Lower	Upper
164	100		
162	105.1	82.0	123.0
160	57.9	63.0	94.4#

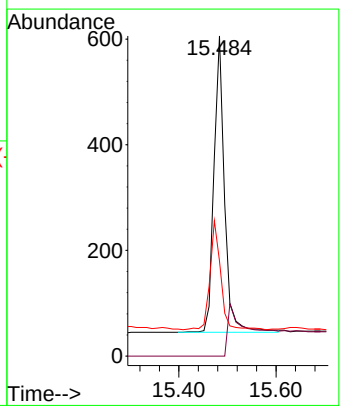


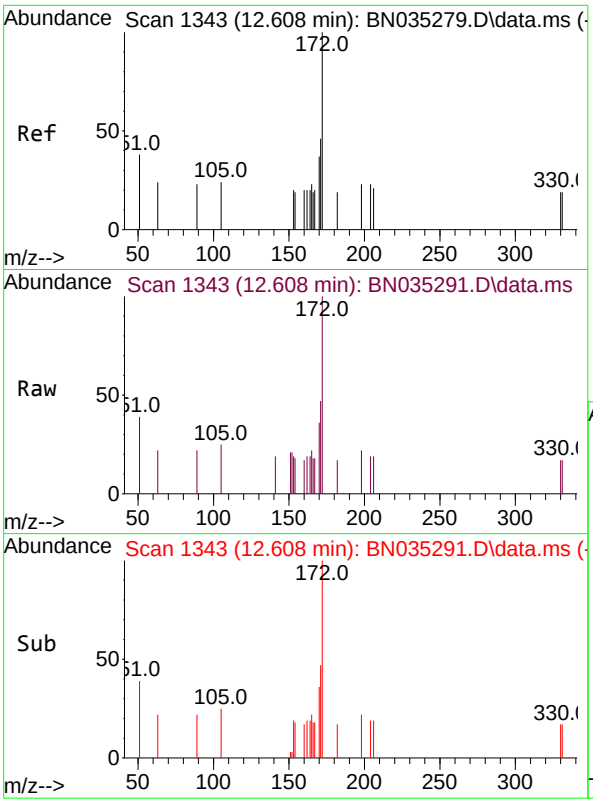


#14
2,4,6-Tribromophenol
Concen: 0.338 ng
RT: 15.484 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:330 Resp: 900

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.0	32.4	48.6



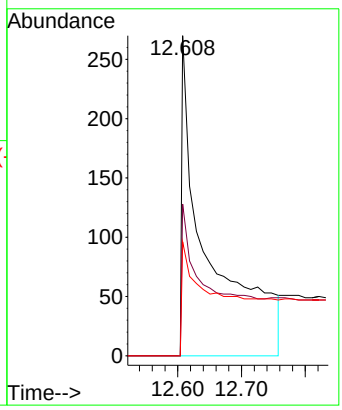


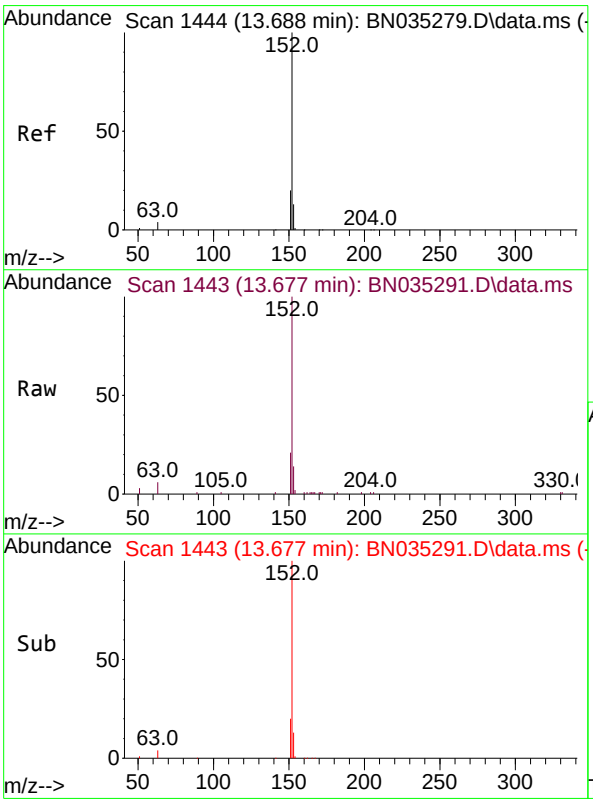
#15
2-Fluorobiphenyl
Concen: 0.260 ng
RT: 12.608 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 751

Ion	Ratio	Lower	Upper
172	100		
171	47.4	36.6	55.0
170	35.6	29.7	44.5

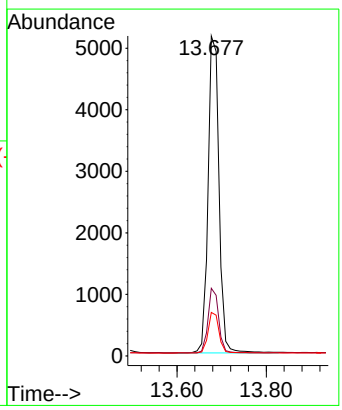


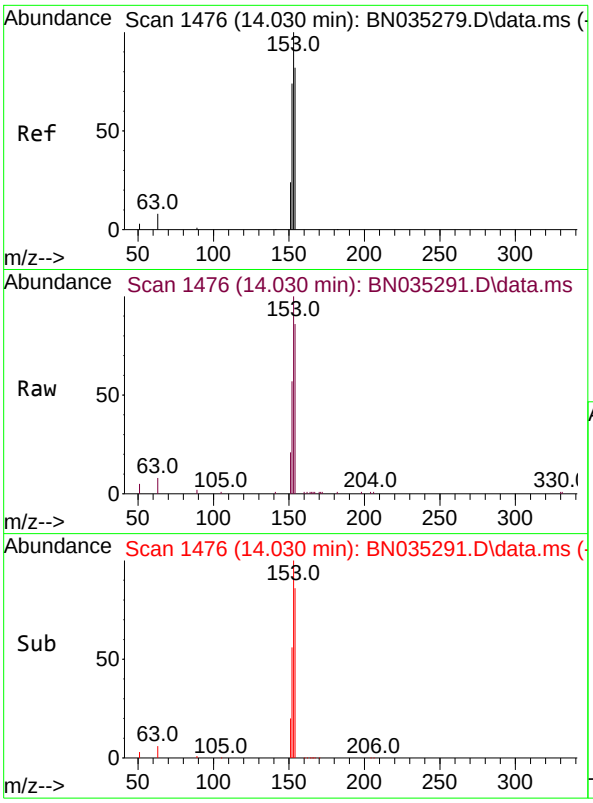


#16
Acenaphthylene
Concen: 0.332 ng
RT: 13.677 min Scan# 1443
Delta R.T. -0.011 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:152 Resp: 8730

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	12.8	10.2	15.4



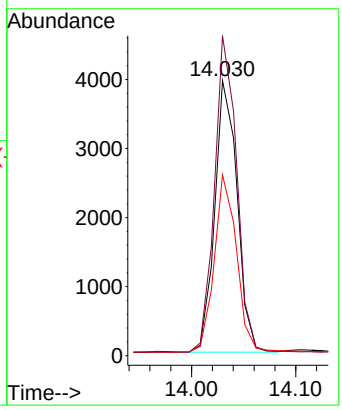


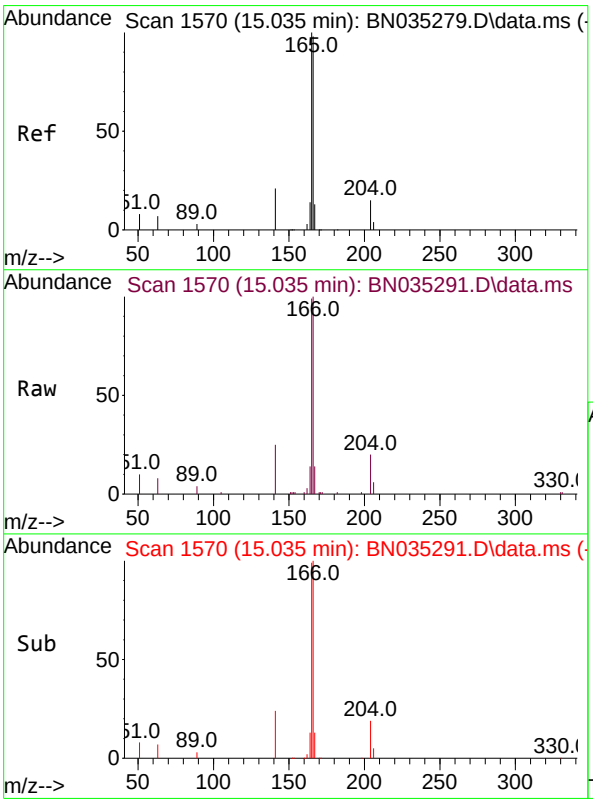
#17
Acenaphthene
Concen: 0.354 ng
RT: 14.030 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 5862

Ion	Ratio	Lower	Upper
154	100		
153	116.4	96.1	144.1
152	65.4	72.2	108.2#

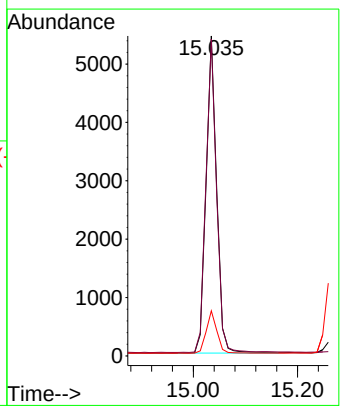


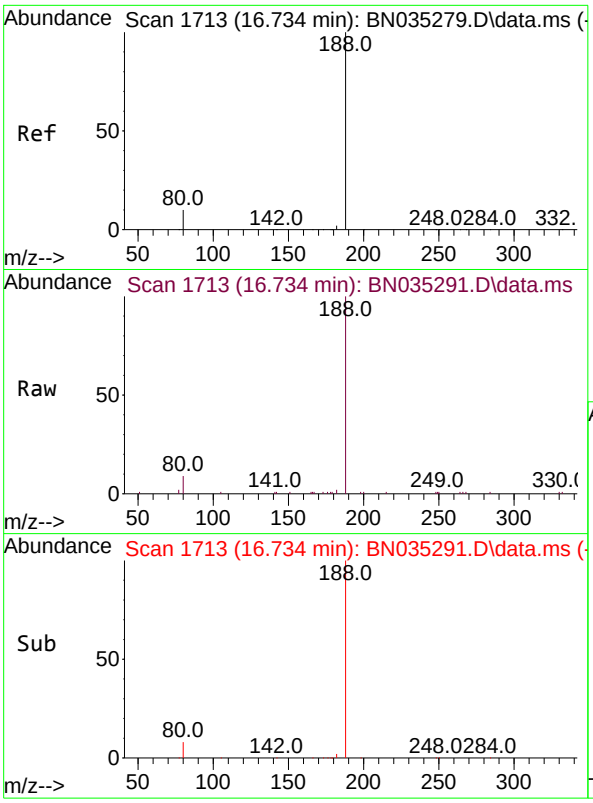


#18
Fluorene
Concen: 0.328 ng
RT: 15.035 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:166 Resp: 7622

Ion	Ratio	Lower	Upper
166	100		
165	98.9	81.2	121.8
167	13.4	10.5	15.7



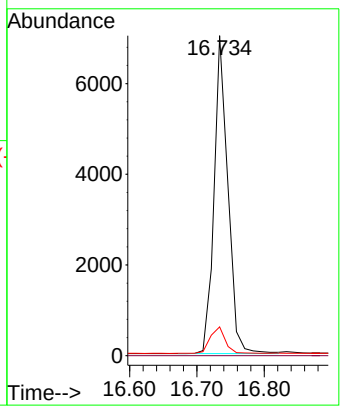


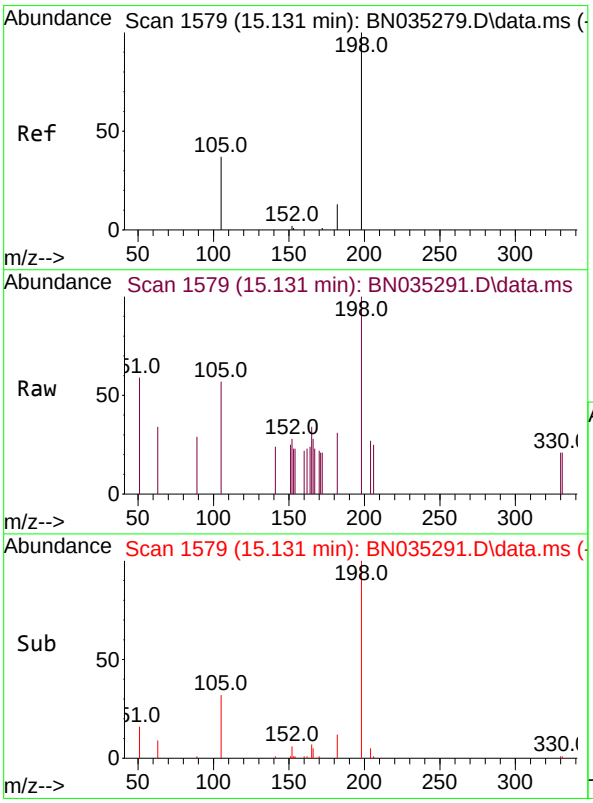
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 9941

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	8.9	13.3

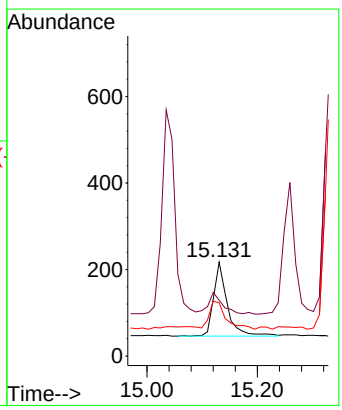


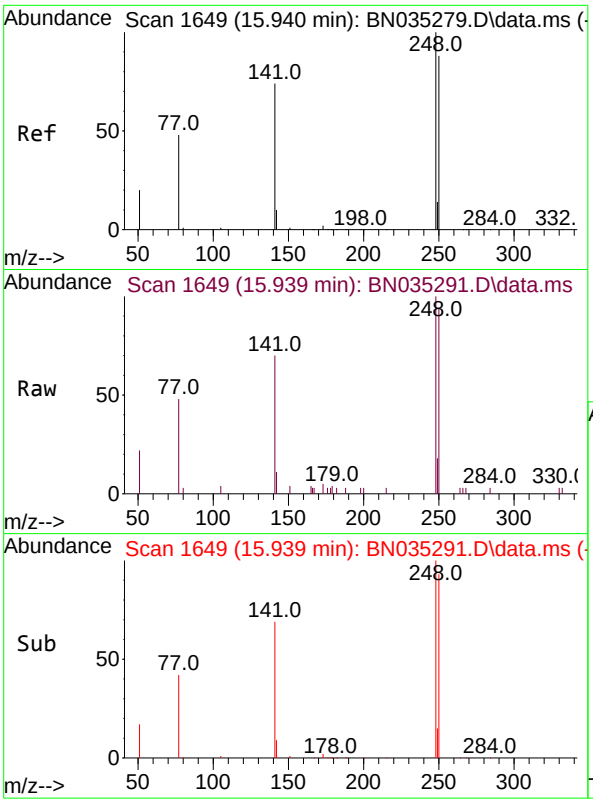


#20
4,6-Dinitro-2-methylphenol
Concen: 0.395 ng
RT: 15.131 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:198 Resp: 296

Ion	Ratio	Lower	Upper
198	100		
51	59.4	53.6	80.4
105	56.7	47.4	71.2



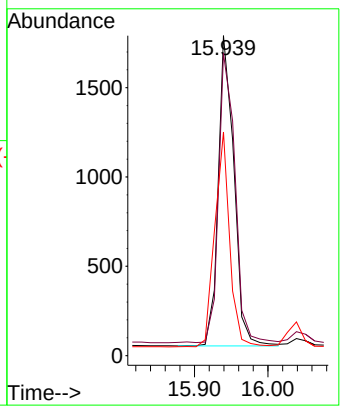


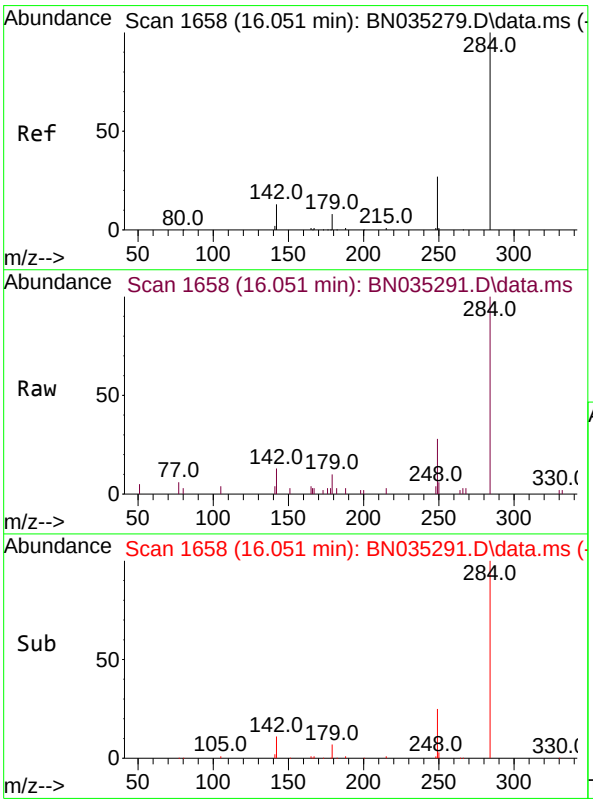
#21
4-Bromophenyl-phenylether
Concen: 0.409 ng
RT: 15.939 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:248 Resp: 2578

Ion	Ratio	Lower	Upper
248	100		
250	94.5	74.8	112.2
141	69.9	59.0	88.4

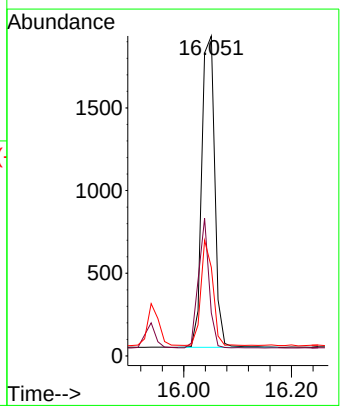


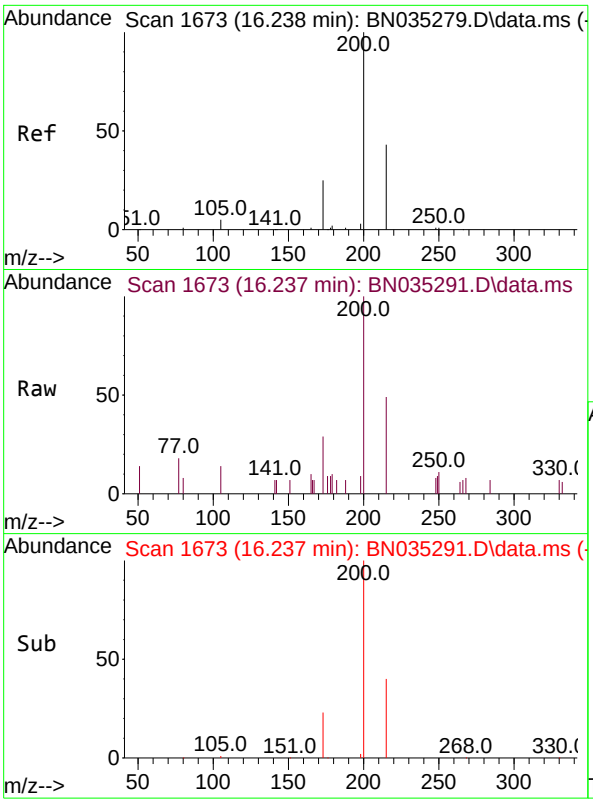


#22
Hexachlorobenzene
Concen: 0.349 ng
RT: 16.051 min Scan# 1658
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:284 Resp: 3153

Ion	Ratio	Lower	Upper
284	100		
142	34.5	28.7	43.1
249	30.7	25.4	38.0



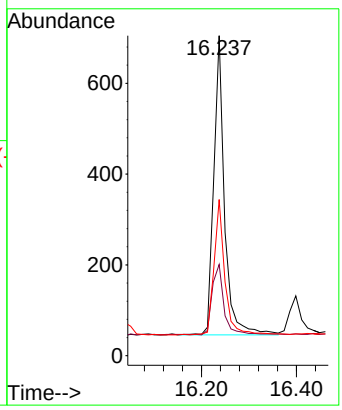


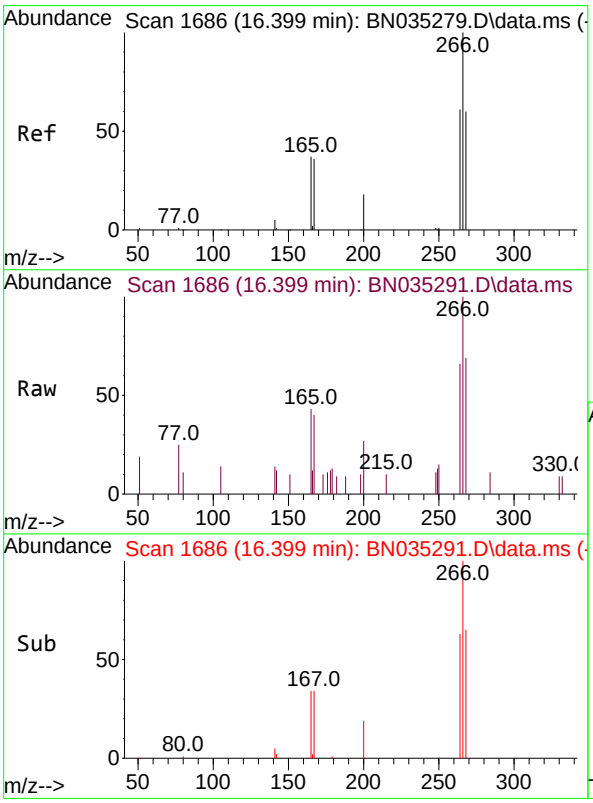
#23
Atrazine
Concen: 0.390 ng
RT: 16.237 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:200 Resp: 1035

Ion	Ratio	Lower	Upper
200	100		
173	28.5	25.8	38.8
215	48.8	38.6	58.0

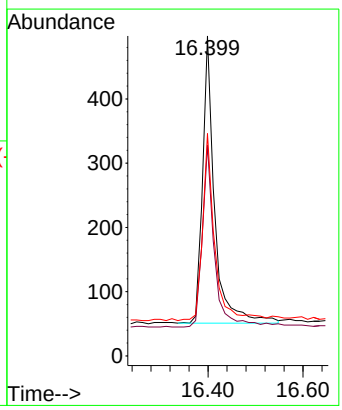


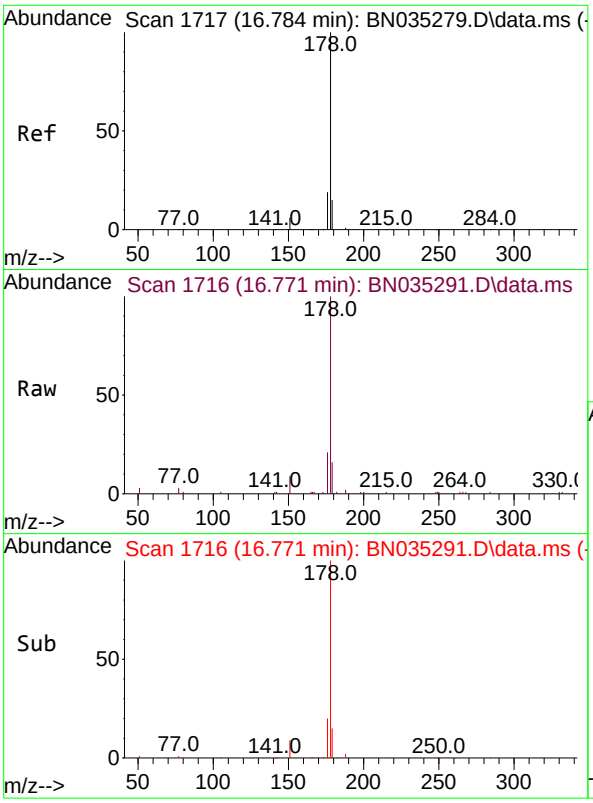


#24
Pentachlorophenol
Concen: 0.366 ng
RT: 16.399 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:266 Resp: 792

Ion	Ratio	Lower	Upper
266	100		
264	63.5	49.3	73.9
268	65.0	48.6	73.0



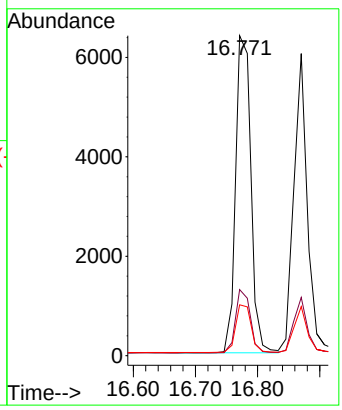


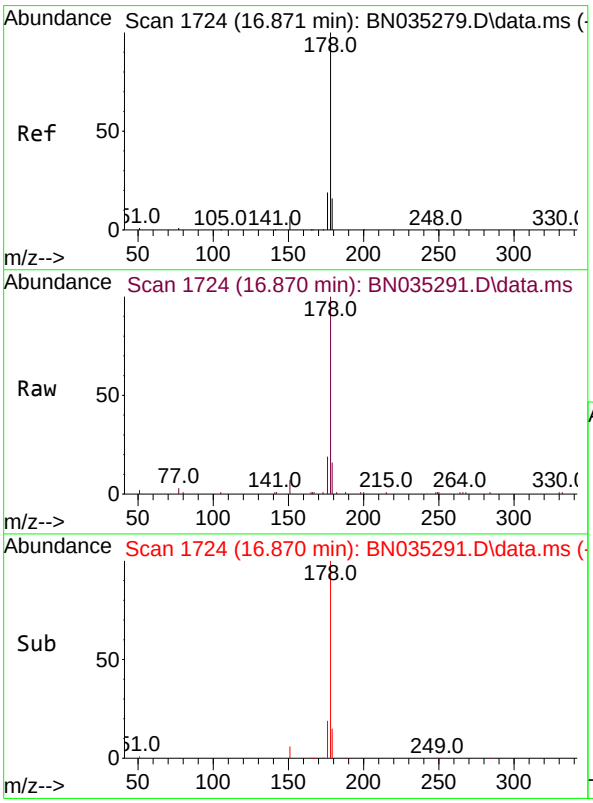
#25
Phenanthrene
Concen: 0.358 ng
RT: 16.771 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 10947

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.3	12.6	18.8

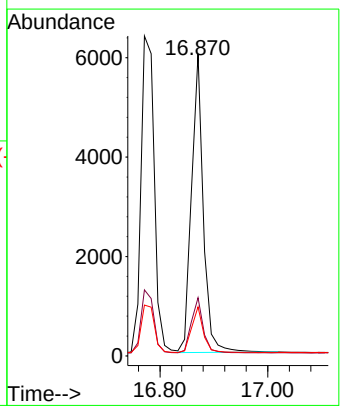


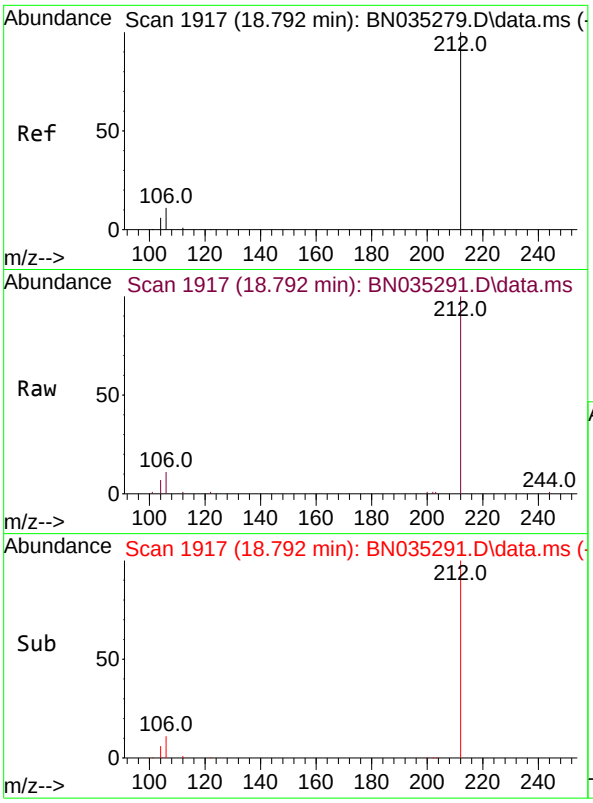


#26
Anthracene
Concen: 0.349 ng
RT: 16.870 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:178 Resp: 9149

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.3	12.4	18.6



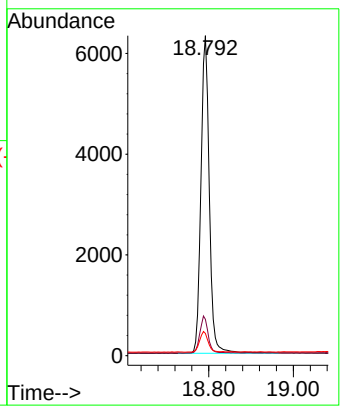


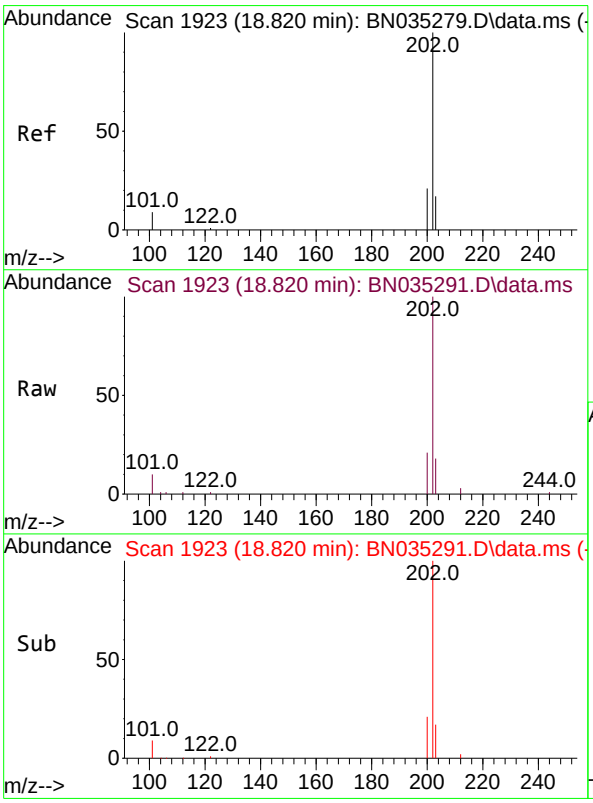
#27
Fluoranthene-d10
Concen: 0.325 ng
RT: 18.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 8641

Ion	Ratio	Lower	Upper
212	100		
106	11.5	9.8	14.8
104	6.6	5.6	8.4

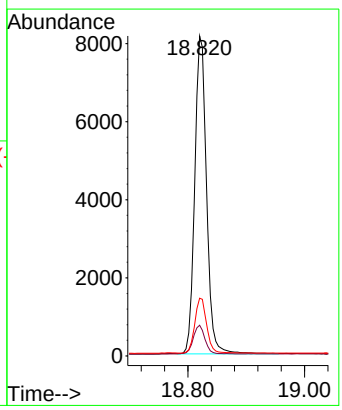


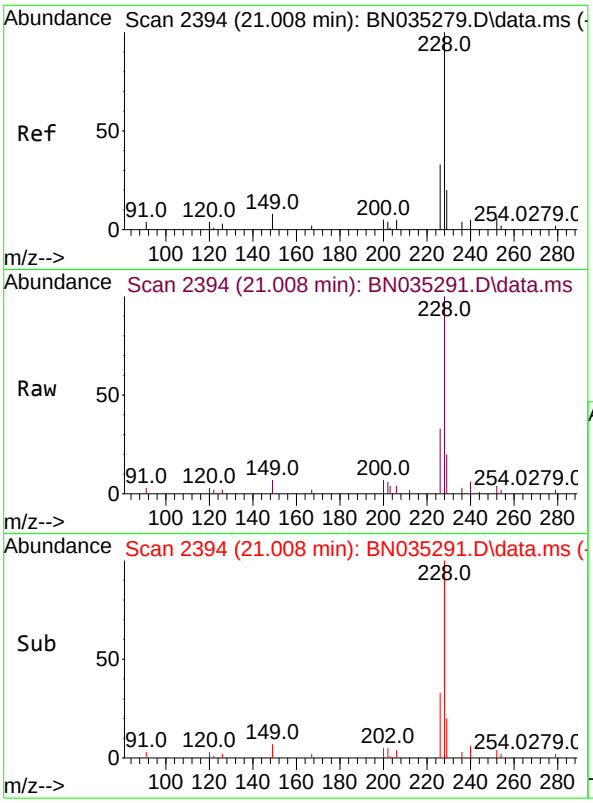


#28
Fluoranthene
Concen: 0.296 ng
RT: 18.820 min Scan# 1923
Delta R.T. 0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:202 Resp: 11418

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.6	11.4
203	17.2	13.8	20.8



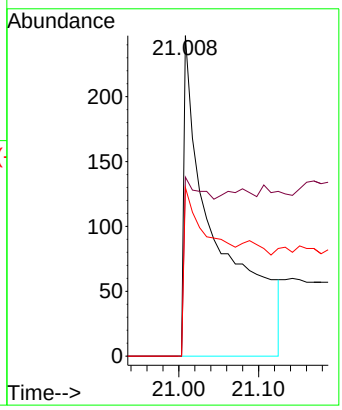


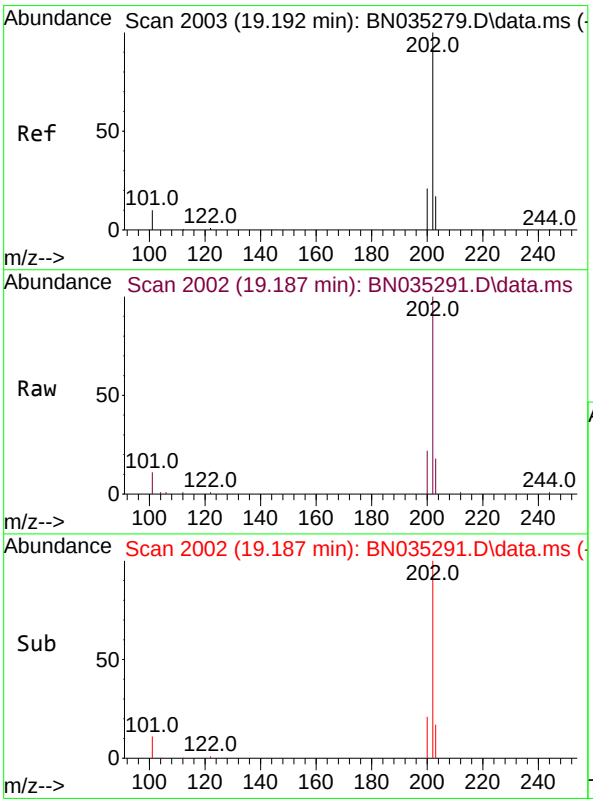
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.008 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 677

Ion	Ratio	Lower	Upper
240	100		
120	55.9	54.9	82.3
236	52.6	54.0	81.0#

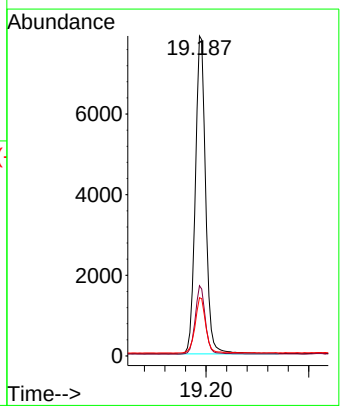


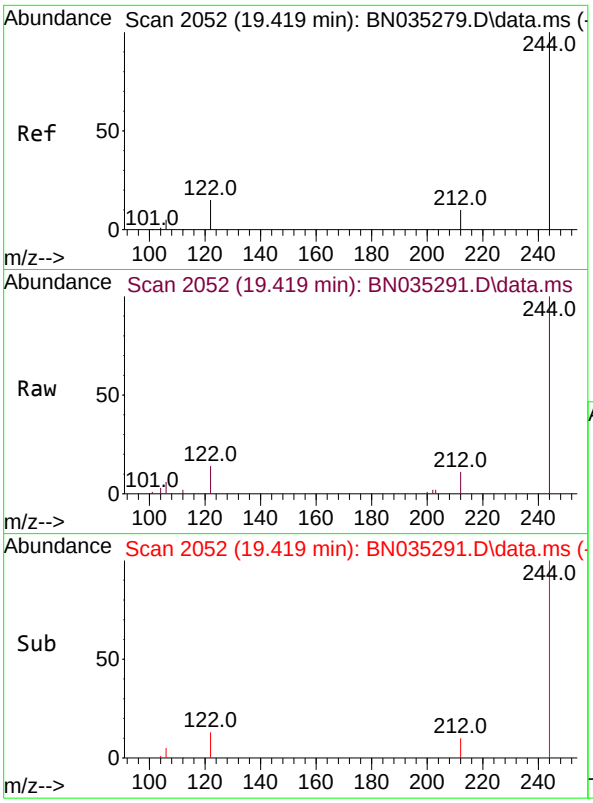


#30
Pyrene
Concen: 0.449 ng
RT: 19.187 min Scan# 2002
Delta R.T. -0.005 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:202 Resp: 11057

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.9	14.4	21.6



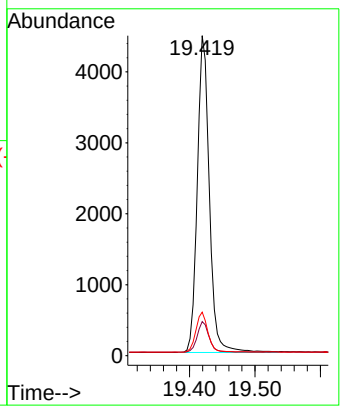


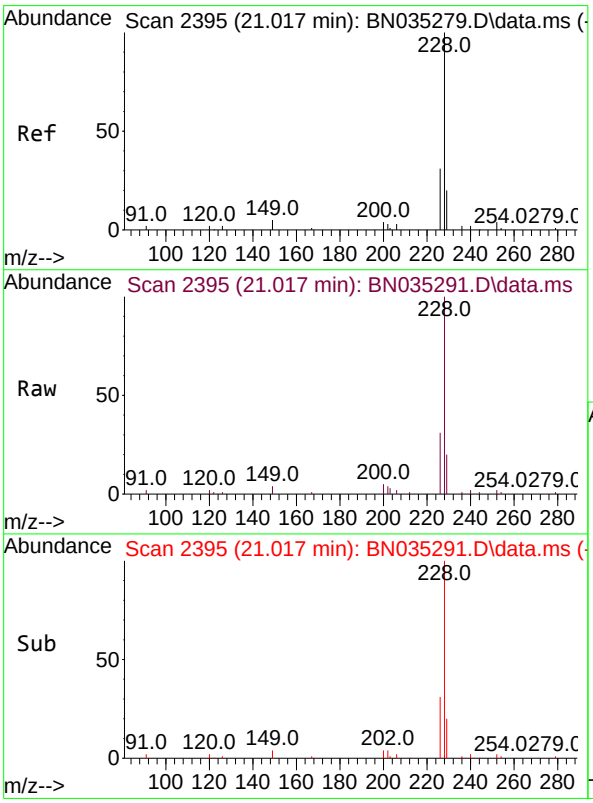
#31
Terphenyl-d14
Concen: 0.456 ng
RT: 19.419 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 5704

Ion	Ratio	Lower	Upper
244	100		
212	10.6	9.4	14.0
122	13.6	13.0	19.4

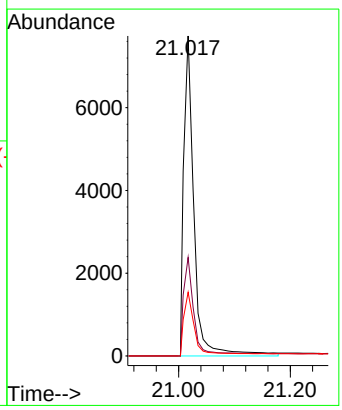


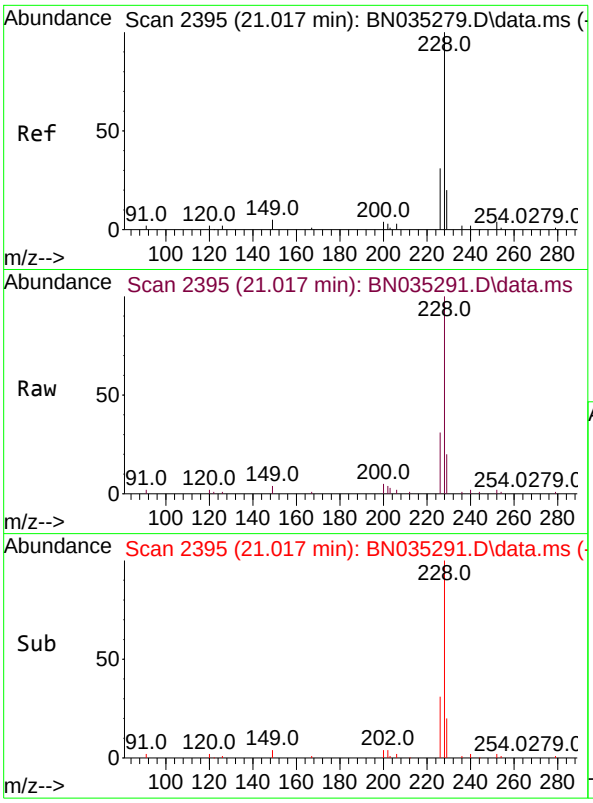


#32
Benzo(a)anthracene
Concen: 0.422 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:228 Resp: 9935

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.7	37.1
229	19.9	16.2	24.2



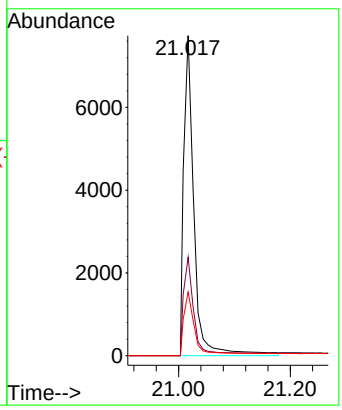


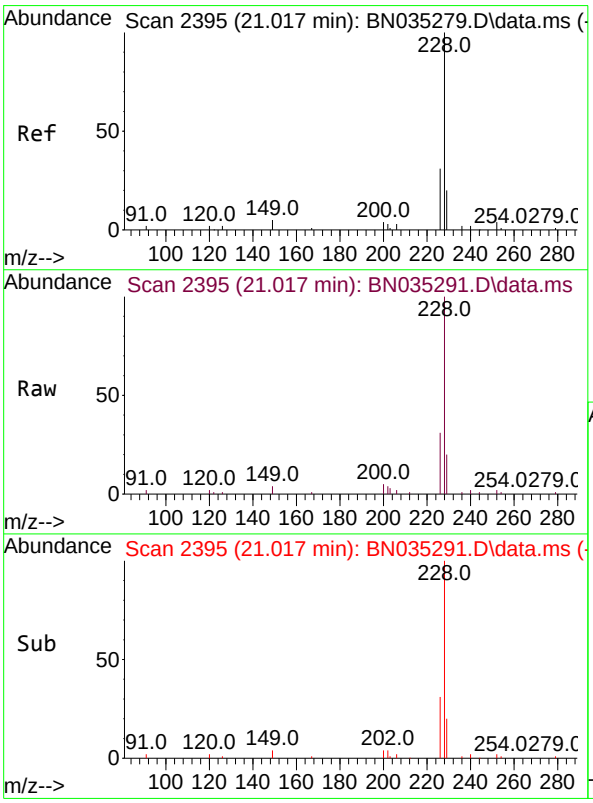
#33
Chrysene
Concen: 0.422 ng
RT: 21.017 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 9935

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.7	37.1
229	19.9	16.2	24.2

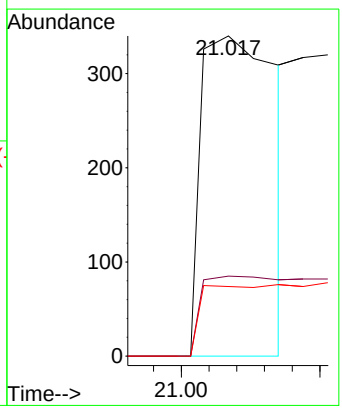


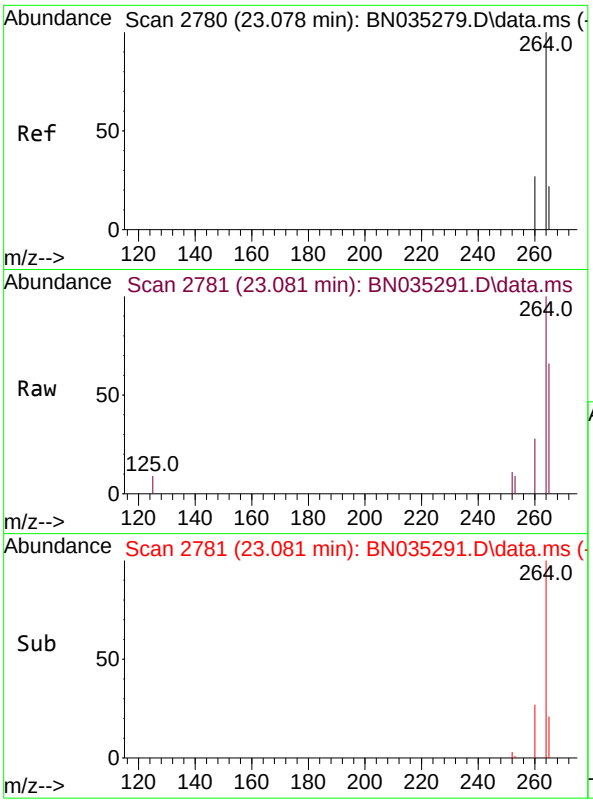


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.432 ng
RT: 21.017 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:149 Resp: 560

Ion	Ratio	Lower	Upper
149	100		
167	25.7	0.0	0.0#
279	16.3	13.0	19.6



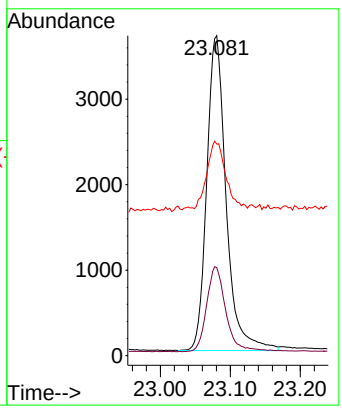


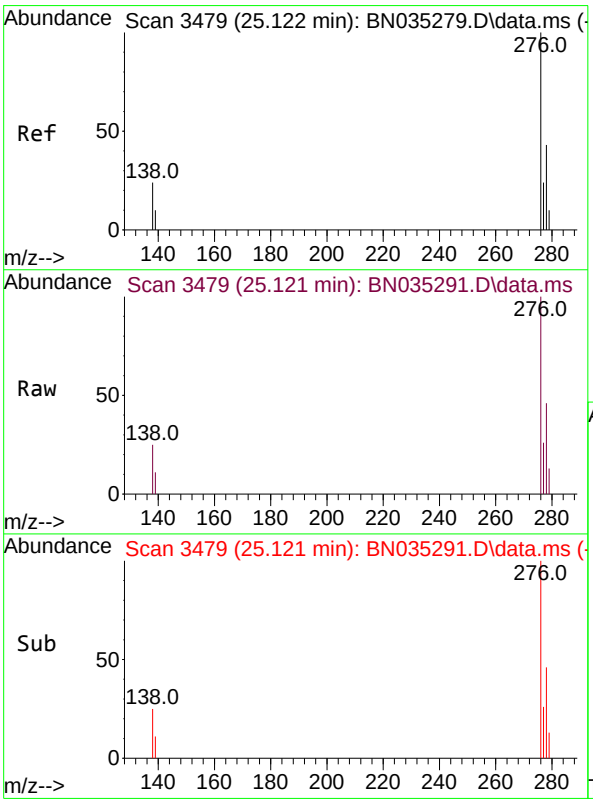
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.081 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:264 Resp: 7069

Ion	Ratio	Lower	Upper
264	100		
260	27.6	22.3	33.5
265	66.1	68.6	103.0#

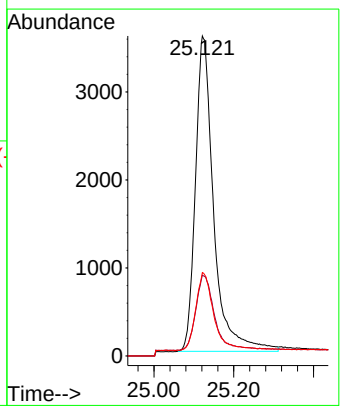


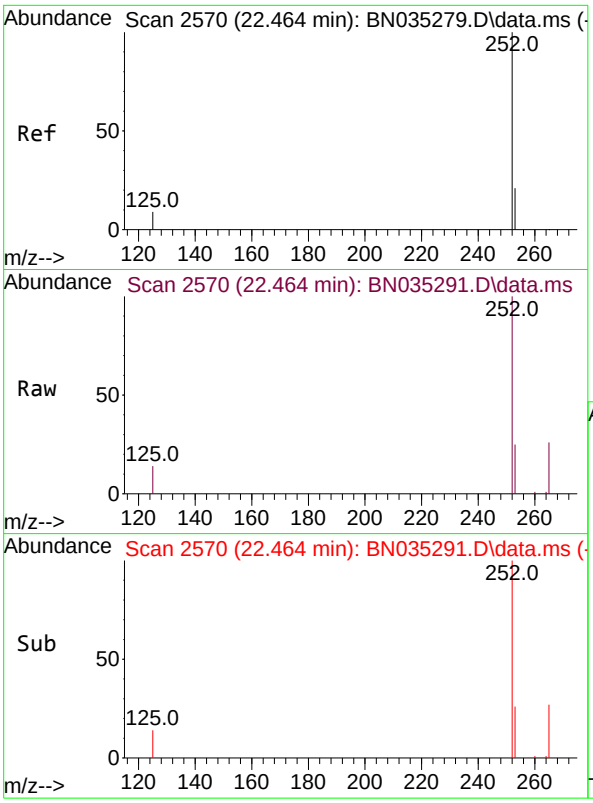


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.394 ng
RT: 25.121 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:276 Resp: 11395

Ion	Ratio	Lower	Upper
276	100		
138	23.3	18.8	28.2
277	24.2	18.2	27.4



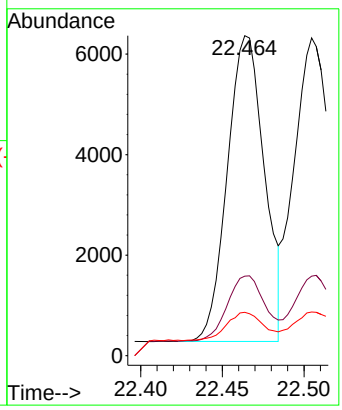


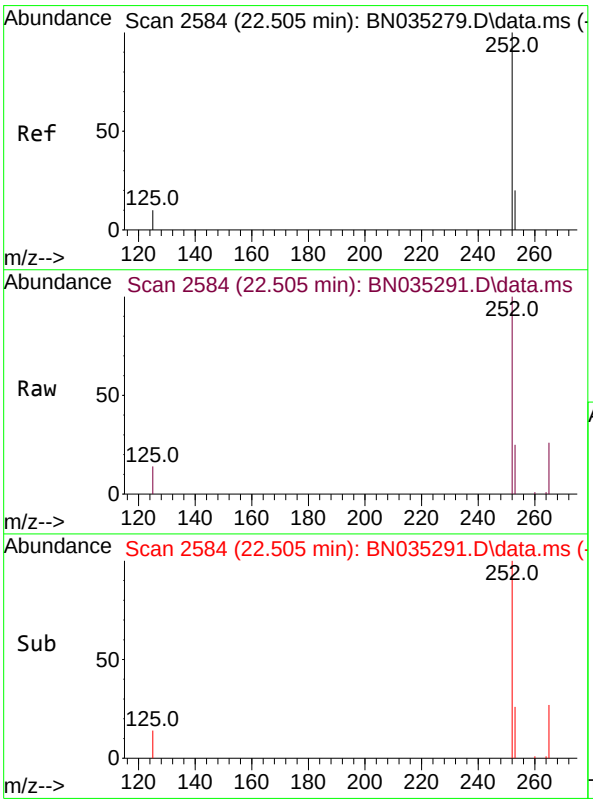
#37
Benzo(b)fluoranthene
Concen: 0.313 ng
RT: 22.464 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 9613

Ion	Ratio	Lower	Upper
252	100		
253	24.8	20.2	30.2
125	13.6	12.0	18.0

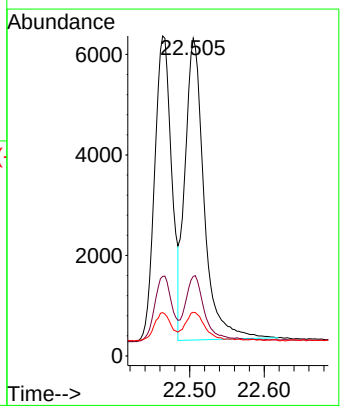


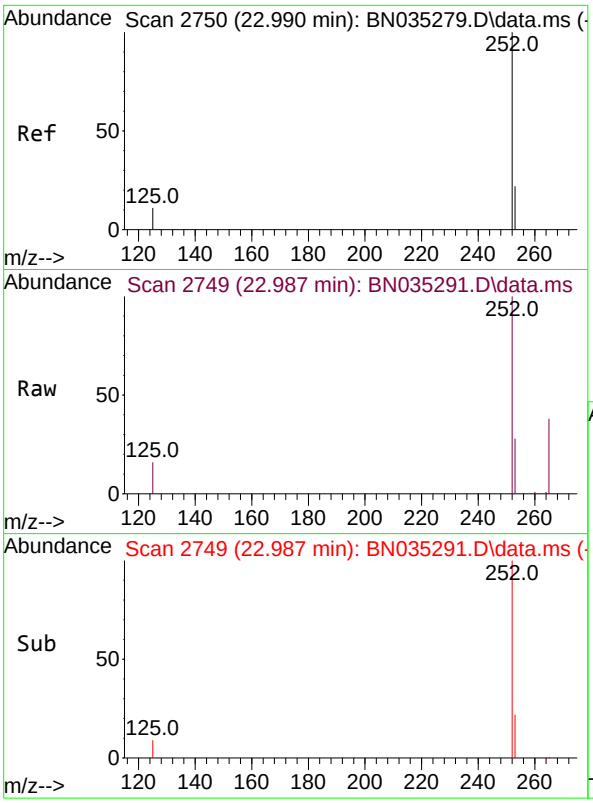


#38
Benzo(k)fluoranthene
Concen: 0.328 ng
RT: 22.505 min Scan# 2584
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:252 Resp: 10650

Ion	Ratio	Lower	Upper
252	100		
253	25.0	20.1	30.1
125	13.7	12.7	19.1



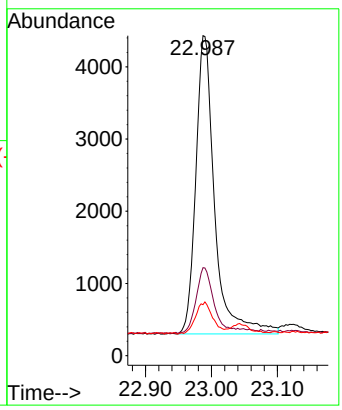


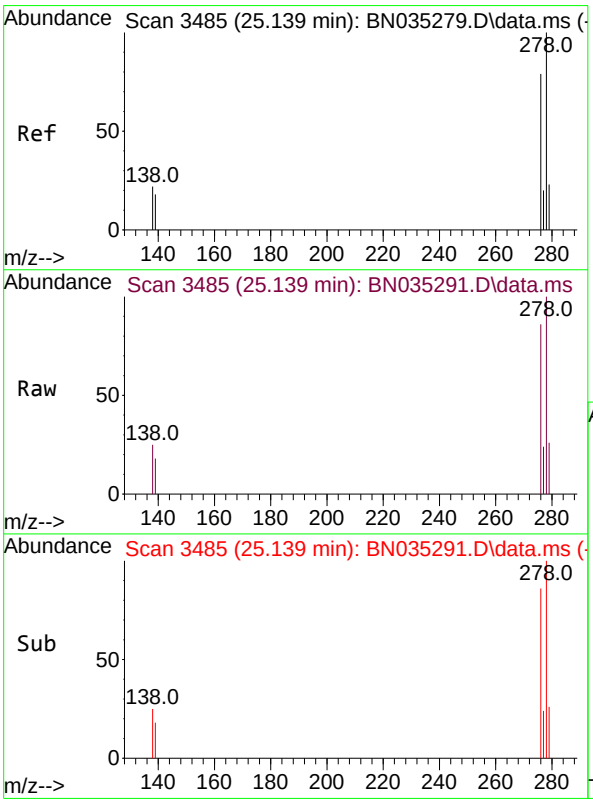
#39
Benzo(a)pyrene
Concen: 0.350 ng
RT: 22.987 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 8220

Ion	Ratio	Lower	Upper
252	100		
253	27.5	22.3	33.5
125	16.0	15.3	22.9

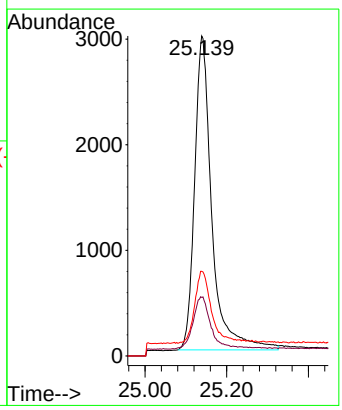


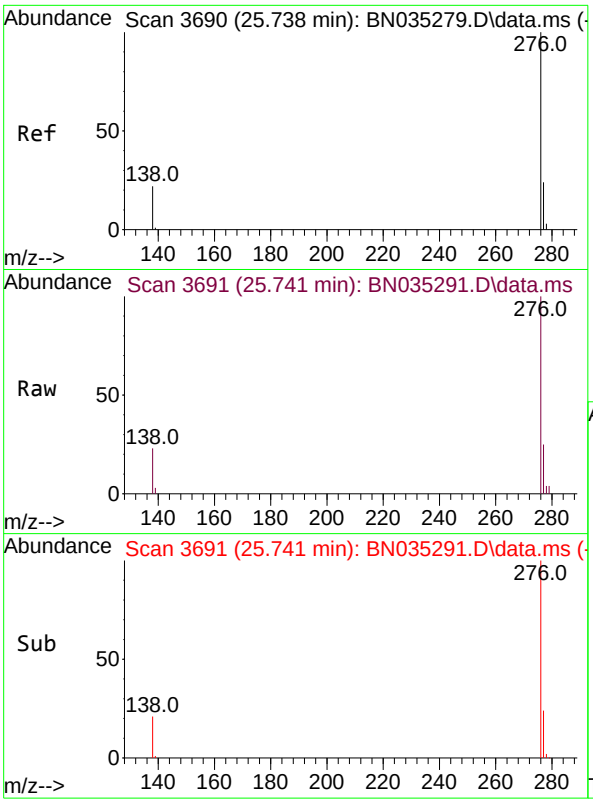


#40
Dibenzo(a,h)anthracene
Concen: 0.399 ng
RT: 25.139 min Scan# 3485
Delta R.T. -0.000 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Tgt Ion:278 Resp: 8732

Ion	Ratio	Lower	Upper
278	100		
139	18.3	17.0	25.6
279	26.4	23.0	34.4





#41
Benzo(g,h,i)perylene
Concen: 0.392 ng
RT: 25.741 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN035291.D
Acq: 25 Nov 2024 19:20

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 9930

Ion	Ratio	Lower	Upper
276	100		
277	25.3	21.1	31.7
138	23.1	19.8	29.8

