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

Cover Page

Order ID : P3671

Project ID : Former Schlumberger Site Princeton NJ

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
P3671-01	S-904-J-SO-0-0.5-081924
P3671-02	S-904-J-SO-0.5-1.0-081924
P3671-03	S-911-K1-SO-0-0.5-081924
P3671-04	S-911-K1-SO-0.5-1-081924
P3671-05	S-911-K1-SO-0-0.5-081924-FD
P3671-06	S-905-KJ-SO-0-0.5-081924
P3671-07	S-905-KJ-SO-0-0.5-081924-FD
P3671-08	S-905-J-SO-0.5-1.0-081924
P3671-09	S-928-K1-SO-0-0.5-081924
P3671-10	S-928-K1-SO-0.5-1-081924
P3671-11	S-903-J-SO-0-0.5-081924
P3671-12	S-903-J-SO-0.5-1.0-081924
P3671-13	S-912-J-SO-0-0.5-081924
P3671-14	S-912-J-SO-0.5-1-081924
P3671-15	TB-01-081924

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

Signature : _____

Date: 10/18/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger Site Princeton NJ
Project # N/A
Chemtech Project # P3671
Test Name: SVOCMS Group5

A. Number of Samples and Date of Receipt:
14 Solid samples were received on 08/19/2024.
1 Water sample was received on 08/19/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Hexavalent Chromium, Mercury, Metals Group4, SVOCMS Group3, SVOCMS Group5, TOC, VOCMS Group 4, VOCMS Group3, VOCMS Group5 and VOCMS Group6. This data package contains results for SVOCMS Group5.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df The samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe samples were analyzed on instrument BNA_P 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 SVOCMS Group5 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for S-903-J-SO-0-0.5-081924 [2,4,6-Tribromophenol - 29%, Terphenyl-d14 - 22%], these compounds did not meet the NJDKQP criteria but met the in-house criteria while 2-Fluorobiphenyl - 18%, this compound did not meet the NJDKQP criteria and in-house criteria, and as per method two surrogates are allowed to failed, no corrective action was taken.

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

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

The % RSD is greater than 20% in the Initial Calibration method (Method 8270-BF082024.M) for 2,4-Dinitrotoluene, Benzo(g,h,i)perylene, these compounds are passing on Linear Regression.

The % RSD is greater than 15% in the Initial Calibration (Method 8270-BM081024.M) for Benzaldehyde, this compound is passing on Quadratic regression.

The % RSD is greater than 15% in the Initial Calibration (8270-BP081324.M) for 2,4-Dinitrotoluene, this compound is passing on Linear Regression.
. The Continuous Calibration File ID BF139113.D met the requirements except for 2,4-Dinitrotoluene and Nitrobenzene-d5, The associate samples have no positive hit for these compounds therefore no corrective action was taken .

The Continuous Calibration File ID BF139159.D met the requirements except for 2,4-Dinitrotoluene,Dibenzo(a,h)anthracene,Nitrobenzene and Nitrobenzene-d5, Under this Continuous Calibration Lab has analyzed only dilution samples, and this compound does not required dilution so no further corrective action taken.

The Continuous Calibration File ID BP021607.D met the requirements except for 2,4-Dinitrotoluene,Pentachlorophenol and 2,4,6-Tribromophenol, The associate samples have no positive hit for these compounds therefore no corrective action was taken. .
The Tuning criteria met requirements.

Sample S-904-J-SO-0-0.5-081924 was diluted due to high concentration.

E. Additional Comments:
This data Package has been revised due to parameter list changed
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <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.

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

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

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

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

CHEMTECH PROJECT NUMBER: P3671 MATRIX: Solid

METHOD: 8270E/3541

		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 method (Method 8270-BF082024.M) for 2,4-Dinitrotoluene, Benzo(g,h,i)perylene, these compounds are passing on Linear Regression.

The % RSD is greater than 15% in the Initial Calibration (Method 8270-BM081024.M) for Benzaldehyde, this compound is passing on Quadratic regression.

The % RSD is greater than 15% in the Initial Calibration (8270-BP081324.M) for 2,4-Dinitrotoluene, this compound is passing on Linear Regression.
. The Continuous Calibration File ID BF139113.D met the requirements except for 2,4-Dinitrotoluene and Nitrobenzene-d5, The associate samples have no positive hit for these compounds therefore no corrective action was taken .

The Continuous Calibration File ID BF139159.D met the requirements except for 2,4-Dinitrotoluene,Dibenzo(a,h)anthracene,Nitrobenzene and Nitrobenzene-d5, Under this Continuous Calibration Lab has analyzed only dilution samples, and this compound does not required dilution so no further corrective action taken.

The Continuous Calibration File ID BP021607.D met the requirements except for 2,4-Dinitrotoluene,Pentachlorophenol and 2,4,6-Tribromophenol, The associate samples have no positive hit for these compounds therefore no corrective action was taken. .

6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

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

(CONTINUED)

		NA	NO	YES
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 S-903-J-SO-0-0.5-081924 [2,4,6-Tribromophenol - 29%, Terphenyl-d14 - 22%], these compounds did not meet the NJDKQP criteria but met the in-house criteria . while 2-Fluorobiphenyl - 18%, this compound did not meet the NJDKQP criteria and in-house criteria, and as per method two surrogates are allowed to failed, no corrective action was taken.			
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Blank Spike met requirements for all samples .			
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
11.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

Sample S-904-J-SO-0-0.5-081924 was diluted due to high concentration.

This data Package has been revised due to parameter list changed

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

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <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 #: **P3671**

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

QA Review Signature: **SOHIL JODHANI** **Date:** **10/18/2024**

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

LAB CHRONICLE

OrderID:	P3671	**OrderDate:**	8/20/2024 10:36:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger Site Princeton NJ
Contact:	Mary I. Murphy	**Location:**	G11,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3671-01	**S-904-J-SO-0-0.5-081924**	**SOIL**			**08/19/24**			**08/19/24**
			SVOCMS Group5	8270E		08/21/24	08/22/24	
P3671-01DL	**S-904-J-SO-0-0.5-081924DL**	**SOIL**			**08/19/24**			**08/19/24**
			SVOCMS Group5	8270E		08/21/24	08/26/24	
P3671-02	**S-904-J-SO-0.5-1.0-081924**	**SOIL**			**08/19/24**			**08/19/24**
			SVOCMS Group5	8270E		08/21/24	08/22/24	
P3671-03	**S-911-K1-SO-0-0.5-081924**	**SOIL**			**08/19/24**			**08/19/24**
			SVOCMS Group3	8270-Modified		08/21/24	08/23/24	
			SVOCMS Group5	8270E		08/21/24	08/22/24	
P3671-04	**S-911-K1-SO-0.5-1-081924**	**SOIL**			**08/19/24**			**08/19/24**
			SVOCMS Group3	8270-Modified		08/21/24	08/23/24	
			SVOCMS Group5	8270E		08/21/24	08/22/24	
P3671-05	**S-911-K1-SO-0-0.5-081924-FD**	**SOIL**			**08/19/24**			**08/19/24**
			SVOCMS Group3	8270-Modified		08/21/24	08/23/24	
			SVOCMS Group5	8270E		08/21/24	08/22/24	
P3671-06	**S-905-KJ-SO-0-0.5-081924**	**SOIL**			**08/19/24**			**08/19/24**
			SVOCMS Group3	8270-Modified		08/21/24	08/23/24	
			SVOCMS Group5	8270E		08/21/24	08/22/24	
P3671-06DL	**S-905-KJ-SO-0-0.5-081924DL**	**SOIL**			**08/19/24**			**08/19/24**

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

LAB CHRONICLE

			SVOCMS Group3	8270-Modified		08/21/24	08/23/24	
P3671-07	**S-905-KJ-SO-0-0.5-081924-FD**	**SOIL**			**08/19/24**			**08/19/24**
			SVOCMS Group3	8270-Modified		08/21/24	08/23/24	
			SVOCMS Group5	8270E		08/21/24	08/22/24	
P3671-07DL	**S-905-KJ-SO-0-0.5-081924-FDDL**	**SOIL**			**08/19/24**			**08/19/24**
			SVOCMS Group3	8270-Modified		08/21/24	08/24/24	
P3671-08	**S-905-J-SO-0.5-1.0-081924**	**SOIL**			**08/19/24**			**08/19/24**
			SVOCMS Group5	8270E		08/21/24	08/22/24	
P3671-09	**S-928-K1-SO-0-0.5-081924**	**SOIL**			**08/19/24**			**08/19/24**
			SVOCMS Group3	8270-Modified		08/21/24	08/23/24	
			SVOCMS Group5	8270E		08/21/24	08/22/24	
P3671-10	**S-928-K1-SO-0.5-1-081924**	**SOIL**			**08/19/24**			**08/19/24**
			SVOCMS Group3	8270-Modified		08/21/24	08/23/24	
			SVOCMS Group5	8270E		08/21/24	08/22/24	
P3671-11	**S-903-J-SO-0-0.5-081924**	**SOIL**			**08/19/24**			**08/19/24**
			SVOCMS Group5	8270E		08/21/24	08/22/24	
P3671-12	**S-903-J-SO-0.5-1.0-081924**	**SOIL**			**08/19/24**			**08/19/24**
			SVOCMS Group3	8270-Modified		08/21/24	08/23/24	
			SVOCMS Group5	8270E		08/21/24	08/22/24	
P3671-12DL	**S-903-J-SO-0.5-1.0-081924DL**	**SOIL**			**08/19/24**			**08/19/24**
			SVOCMS Group3	8270-Modified		08/21/24	08/24/24	
P3671-13	**S-912-J-SO-0-0.5-081924**	**SOIL**			**08/19/24**			**08/19/24**
			SVOCMS Group3	8270-Modified		08/21/24	08/23/24	
			SVOCMS Group5	8270E		08/21/24	08/22/24	

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

LAB CHRONICLE

P3671-14	**S-912-J-SO-0.5-1-081924**	**SOIL**			**08/19/24**		**08/19/24**
			SVOCMS Group3	8270-Modified		08/21/24	08/22/24
			SVOCMS Group5	8270E		08/21/24	08/22/24

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

Hit Summary Sheet
SW-846

SDG No.: P3671

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**S-904-J-SO-0-0.5-081924**							
P3671-01	S-904-J-SO-0-0.5-081924	SOIL	Acenaphthene	640.000		110	240	ug/Kg
P3671-01	S-904-J-SO-0-0.5-081924	SOIL	Dibenzofuran	420.000		120	240	ug/Kg
P3671-01	S-904-J-SO-0-0.5-081924	SOIL	Fluorene	790.000		120	240	ug/Kg
P3671-01	S-904-J-SO-0-0.5-081924	SOIL	Phenanthrene	6,100.000	E	120	240	ug/Kg
P3671-01	S-904-J-SO-0-0.5-081924	SOIL	Anthracene	1,800.000		120	240	ug/Kg
P3671-01	S-904-J-SO-0-0.5-081924	SOIL	Carbazole	920.000		110	240	ug/Kg
P3671-01	S-904-J-SO-0-0.5-081924	SOIL	Fluoranthene	5,900.000	E	110	240	ug/Kg
P3671-01	S-904-J-SO-0-0.5-081924	SOIL	Pyrene	5,300.000	E	120	240	ug/Kg
P3671-01	S-904-J-SO-0-0.5-081924	SOIL	Benzo(a)anthracene	3,000.000		110	240	ug/Kg
P3671-01	S-904-J-SO-0-0.5-081924	SOIL	Chrysene	3,100.000		110	240	ug/Kg
P3671-01	S-904-J-SO-0-0.5-081924	SOIL	Benzo(b)fluoranthene	3,400.000		110	240	ug/Kg
P3671-01	S-904-J-SO-0-0.5-081924	SOIL	Benzo(k)fluoranthene	1,200.000		120	240	ug/Kg
P3671-01	S-904-J-SO-0-0.5-081924	SOIL	Benzo(a)pyrene	2,800.000		130	240	ug/Kg
P3671-01	S-904-J-SO-0-0.5-081924	SOIL	Indeno(1,2,3-cd)pyrene	1,500.000		110	240	ug/Kg
P3671-01	S-904-J-SO-0-0.5-081924	SOIL	Dibenzo(a,h)anthracene	440.000		110	240	ug/Kg
P3671-01	S-904-J-SO-0-0.5-081924	SOIL	Benzo(g,h,i)perylene	1,700.000		110	240	ug/Kg
			Total Svoc :	**39,010.00**				
			Total Concentration:	**39,010.00**				
Client ID :	**S-904-J-SO-0-0.5-081924DL**							
P3671-01DL	S-904-J-SO-0-0.5-081924	SOIL	Acenaphthene	790.000	JD	570	1200	ug/Kg
P3671-01DL	S-904-J-SO-0-0.5-081924	SOIL	Fluorene	930.000	JD	600	1200	ug/Kg
P3671-01DL	S-904-J-SO-0-0.5-081924	SOIL	Phenanthrene	8,200.000	D	590	1200	ug/Kg
P3671-01DL	S-904-J-SO-0-0.5-081924	SOIL	Anthracene	2,200.000	D	590	1200	ug/Kg
P3671-01DL	S-904-J-SO-0-0.5-081924	SOIL	Carbazole	910.000	JD	560	1200	ug/Kg
P3671-01DL	S-904-J-SO-0-0.5-081924	SOIL	Fluoranthene	7,700.000	D	570	1200	ug/Kg
P3671-01DL	S-904-J-SO-0-0.5-081924	SOIL	Pyrene	7,300.000	D	580	1200	ug/Kg
P3671-01DL	S-904-J-SO-0-0.5-081924	SOIL	Benzo(a)anthracene	3,700.000	D	570	1200	ug/Kg
P3671-01DL	S-904-J-SO-0-0.5-081924	SOIL	Chrysene	3,700.000	D	560	1200	ug/Kg
P3671-01DL	S-904-J-SO-0-0.5-081924	SOIL	Benzo(b)fluoranthene	3,800.000	D	570	1200	ug/Kg
P3671-01DL	S-904-J-SO-0-0.5-081924	SOIL	Benzo(k)fluoranthene	1,400.000	D	580	1200	ug/Kg
P3671-01DL	S-904-J-SO-0-0.5-081924	SOIL	Benzo(a)pyrene	3,300.000	D	650	1200	ug/Kg
P3671-01DL	S-904-J-SO-0-0.5-081924	SOIL	Indeno(1,2,3-cd)pyrene	1,500.000	D	550	1200	ug/Kg
P3671-01DL	S-904-J-SO-0-0.5-081924	SOIL	Benzo(g,h,i)perylene	2,100.000	D	560	1200	ug/Kg
			Total Svoc :	**47,530.00**				
			Total Concentration:	**47,530.00**				
Client ID :	**S-904-J-SO-0.5-1.0-081924**							

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

Hit Summary Sheet
SW-846

SDG No.: P3671

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3671-02	S-904-J-SO-0.5-1.0-0819	SOIL	Acenaphthene	210.000		100	210	ug/Kg
P3671-02	S-904-J-SO-0.5-1.0-0819	SOIL	Dibenzofuran	110.000	J	110	210	ug/Kg
P3671-02	S-904-J-SO-0.5-1.0-0819	SOIL	Fluorene	230.000		110	210	ug/Kg
P3671-02	S-904-J-SO-0.5-1.0-0819	SOIL	Phenanthrene	2,300.000		110	210	ug/Kg
P3671-02	S-904-J-SO-0.5-1.0-0819	SOIL	Anthracene	570.000		110	210	ug/Kg
P3671-02	S-904-J-SO-0.5-1.0-0819	SOIL	Carbazole	290.000		100	210	ug/Kg
P3671-02	S-904-J-SO-0.5-1.0-0819	SOIL	Fluoranthene	3,100.000		100	210	ug/Kg
P3671-02	S-904-J-SO-0.5-1.0-0819	SOIL	Pyrene	2,800.000		100	210	ug/Kg
P3671-02	S-904-J-SO-0.5-1.0-0819	SOIL	Benzo(a)anthracene	1,700.000		100	210	ug/Kg
P3671-02	S-904-J-SO-0.5-1.0-0819	SOIL	Chrysene	2,100.000		99.5	210	ug/Kg
P3671-02	S-904-J-SO-0.5-1.0-0819	SOIL	Benzo(b)fluoranthene	1,800.000		100	210	ug/Kg
P3671-02	S-904-J-SO-0.5-1.0-0819	SOIL	Benzo(k)fluoranthene	670.000		100	210	ug/Kg
P3671-02	S-904-J-SO-0.5-1.0-0819	SOIL	Benzo(a)pyrene	1,600.000		120	210	ug/Kg
P3671-02	S-904-J-SO-0.5-1.0-0819	SOIL	Indeno(1,2,3-cd)pyrene	800.000		97.8	210	ug/Kg
P3671-02	S-904-J-SO-0.5-1.0-0819	SOIL	Dibenzo(a,h)anthracene	270.000		100	210	ug/Kg
P3671-02	S-904-J-SO-0.5-1.0-0819	SOIL	Benzo(g,h,i)perylene	970.000		100	210	ug/Kg
			Total Svoc :	**19,520.00**				
			Total Concentration:	**19,520.00**				
Client ID :	**S-911-K1-SO-0-0.5-081924-FD**							
P3671-05	S-911-K1-SO-0-0.5-0819	SOIL	Fluoranthene	410.000	J	230	490	ug/Kg
P3671-05	S-911-K1-SO-0-0.5-0819	SOIL	Pyrene	350.000	J	240	490	ug/Kg
P3671-05	S-911-K1-SO-0-0.5-0819	SOIL	Chrysene	240.000	J	230	490	ug/Kg
P3671-05	S-911-K1-SO-0-0.5-0819	SOIL	Benzo(b)fluoranthene	300.000	J	230	490	ug/Kg
			Total Svoc :	**1,300.00**				
			Total Concentration:	**1,300.00**				
Client ID :	**S-905-KJ-SO-0-0.5-081924**							
P3671-06	S-905-KJ-SO-0-0.5-0819	SOIL	Phenanthrene	750.000		110	220	ug/Kg
P3671-06	S-905-KJ-SO-0-0.5-0819	SOIL	Anthracene	160.000	J	110	220	ug/Kg
P3671-06	S-905-KJ-SO-0-0.5-0819	SOIL	Fluoranthene	1,100.000		100	220	ug/Kg
P3671-06	S-905-KJ-SO-0-0.5-0819	SOIL	Pyrene	830.000		110	220	ug/Kg
P3671-06	S-905-KJ-SO-0-0.5-0819	SOIL	Benzo(a)anthracene	450.000		100	220	ug/Kg
P3671-06	S-905-KJ-SO-0-0.5-0819	SOIL	Chrysene	460.000		100	220	ug/Kg
P3671-06	S-905-KJ-SO-0-0.5-0819	SOIL	Benzo(b)fluoranthene	560.000		100	220	ug/Kg
P3671-06	S-905-KJ-SO-0-0.5-0819	SOIL	Benzo(k)fluoranthene	210.000	J	110	220	ug/Kg
P3671-06	S-905-KJ-SO-0-0.5-0819	SOIL	Benzo(a)pyrene	460.000		120	220	ug/Kg
P3671-06	S-905-KJ-SO-0-0.5-0819	SOIL	Indeno(1,2,3-cd)pyrene	230.000		99.8	220	ug/Kg
P3671-06	S-905-KJ-SO-0-0.5-0819	SOIL	Benzo(g,h,i)perylene	270.000		100	220	ug/Kg
			Total Svoc :	**5,480.00**				
			Total Concentration:	**5,480.00**				

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

Hit Summary Sheet
SW-846

SDG No.: P3671

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : S-905-KJ-SO-0-0.5-081924-FD								
P3671-07	S-905-KJ-SO-0-0.5-0819	SOIL	Phenanthrene	290.000		110	220	ug/Kg
P3671-07	S-905-KJ-SO-0-0.5-0819	SOIL	Fluoranthene	820.000		110	220	ug/Kg
P3671-07	S-905-KJ-SO-0-0.5-0819	SOIL	Pyrene	710.000		110	220	ug/Kg
P3671-07	S-905-KJ-SO-0-0.5-0819	SOIL	Benzo(a)anthracene	540.000		110	220	ug/Kg
P3671-07	S-905-KJ-SO-0-0.5-0819	SOIL	Chrysene	500.000		100	220	ug/Kg
P3671-07	S-905-KJ-SO-0-0.5-0819	SOIL	Benzo(b)fluoranthene	700.000		110	220	ug/Kg
P3671-07	S-905-KJ-SO-0-0.5-0819	SOIL	Benzo(k)fluoranthene	210.000	J	110	220	ug/Kg
P3671-07	S-905-KJ-SO-0-0.5-0819	SOIL	Benzo(a)pyrene	530.000		120	220	ug/Kg
P3671-07	S-905-KJ-SO-0-0.5-0819	SOIL	Indeno(1,2,3-cd)pyrene	240.000		100	220	ug/Kg
P3671-07	S-905-KJ-SO-0-0.5-0819	SOIL	Benzo(g,h,i)perylene	250.000		100	220	ug/Kg
			Total Svoc :	**4,790.00**				
			Total Concentration:	**4,790.00**				
Client ID : S-905-J-SO-0.5-1.0-081924								
P3671-08	S-905-J-SO-0.5-1.0-0819	SOIL	Acenaphthene	110.000	J	98.7	210	ug/Kg
P3671-08	S-905-J-SO-0.5-1.0-0819	SOIL	Phenanthrene	770.000		100	210	ug/Kg
P3671-08	S-905-J-SO-0.5-1.0-0819	SOIL	Anthracene	190.000	J	100	210	ug/Kg
P3671-08	S-905-J-SO-0.5-1.0-0819	SOIL	Fluoranthene	1,800.000		99.4	210	ug/Kg
P3671-08	S-905-J-SO-0.5-1.0-0819	SOIL	Pyrene	1,600.000		100	210	ug/Kg
P3671-08	S-905-J-SO-0.5-1.0-0819	SOIL	Benzo(a)anthracene	1,300.000		98.2	210	ug/Kg
P3671-08	S-905-J-SO-0.5-1.0-0819	SOIL	Chrysene	1,100.000		96.8	210	ug/Kg
P3671-08	S-905-J-SO-0.5-1.0-0819	SOIL	Benzo(b)fluoranthene	1,400.000		98.7	210	ug/Kg
P3671-08	S-905-J-SO-0.5-1.0-0819	SOIL	Benzo(k)fluoranthene	610.000		100	210	ug/Kg
P3671-08	S-905-J-SO-0.5-1.0-0819	SOIL	Benzo(a)pyrene	1,200.000		110	210	ug/Kg
P3671-08	S-905-J-SO-0.5-1.0-0819	SOIL	Indeno(1,2,3-cd)pyrene	430.000		95.1	210	ug/Kg
P3671-08	S-905-J-SO-0.5-1.0-0819	SOIL	Dibenzo(a,h)anthracene	140.000	J	98.8	210	ug/Kg
P3671-08	S-905-J-SO-0.5-1.0-0819	SOIL	Benzo(g,h,i)perylene	450.000		97.5	210	ug/Kg
			Total Svoc :	**11,100.00**				
			Total Concentration:	**11,100.00**				
Client ID : S-903-J-SO-0-0.5-081924								
P3671-11	S-903-J-SO-0-0.5-081924	SOIL	Phenanthrene	1,300.000		100	200	ug/Kg
P3671-11	S-903-J-SO-0-0.5-081924	SOIL	Anthracene	170.000	J	100	200	ug/Kg
P3671-11	S-903-J-SO-0-0.5-081924	SOIL	Carbazole	110.000	J	96.1	200	ug/Kg
P3671-11	S-903-J-SO-0-0.5-081924	SOIL	Fluoranthene	2,200.000		97.7	200	ug/Kg
P3671-11	S-903-J-SO-0-0.5-081924	SOIL	Pyrene	1,800.000		99.3	200	ug/Kg
P3671-11	S-903-J-SO-0-0.5-081924	SOIL	Benzo(a)anthracene	840.000		96.6	200	ug/Kg
P3671-11	S-903-J-SO-0-0.5-081924	SOIL	Chrysene	1,000.000		95.1	200	ug/Kg
P3671-11	S-903-J-SO-0-0.5-081924	SOIL	Benzo(b)fluoranthene	1,200.000		97	200	ug/Kg
P3671-11	S-903-J-SO-0-0.5-081924	SOIL	Benzo(k)fluoranthene	410.000		98.8	200	ug/Kg

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

Hit Summary Sheet
SW-846

SDG No.: P3671

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3671-11	S-903-J-SO-0-0.5-081924	SOIL	Benzo(a)pyrene	900.000		110	200	ug/Kg
P3671-11	S-903-J-SO-0-0.5-081924	SOIL	Indeno(1,2,3-cd)pyrene	520.000		93.4	200	ug/Kg
P3671-11	S-903-J-SO-0-0.5-081924	SOIL	Dibenzo(a,h)anthracene	150.000	J	97.1	200	ug/Kg
P3671-11	S-903-J-SO-0-0.5-081924	SOIL	Benzo(g,h,i)perylene	590.000		95.8	200	ug/Kg
			Total Svoc :	**11,190.00**				
			Total Concentration:	**11,190.00**				
Client ID :	**S-903-J-SO-0.5-1.0-081924**							
P3671-12	S-903-J-SO-0.5-1.0-0819	SOIL	Phenanthrene	230.000		97.9	200	ug/Kg
P3671-12	S-903-J-SO-0.5-1.0-0819	SOIL	Fluoranthene	510.000		95.2	200	ug/Kg
P3671-12	S-903-J-SO-0.5-1.0-0819	SOIL	Pyrene	360.000		96.7	200	ug/Kg
P3671-12	S-903-J-SO-0.5-1.0-0819	SOIL	Benzo(a)anthracene	190.000	J	94	200	ug/Kg
P3671-12	S-903-J-SO-0.5-1.0-0819	SOIL	Chrysene	210.000		92.6	200	ug/Kg
P3671-12	S-903-J-SO-0.5-1.0-0819	SOIL	Benzo(b)fluoranthene	250.000		94.5	200	ug/Kg
P3671-12	S-903-J-SO-0.5-1.0-0819	SOIL	Benzo(k)fluoranthene	130.000	J	96.2	200	ug/Kg
P3671-12	S-903-J-SO-0.5-1.0-0819	SOIL	Benzo(a)pyrene	200.000		110	200	ug/Kg
P3671-12	S-903-J-SO-0.5-1.0-0819	SOIL	Indeno(1,2,3-cd)pyrene	110.000	J	91	200	ug/Kg
P3671-12	S-903-J-SO-0.5-1.0-0819	SOIL	Benzo(g,h,i)perylene	220.000		93.3	200	ug/Kg
			Total Svoc :	**2,410.00**				
			Total Concentration:	**2,410.00**				



QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: P3671

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P3671-01	S-904-J-SO-0-0.5-081924	2-Fluorophenol	150	67.8	45		30 (18)	130 (112)
		Phenol-d6	150	68.6	46		30 (15)	130 (107)
		Nitrobenzene-d5	100	48.8	49		30 (18)	130 (107)
		2-Fluorobiphenyl	100	32.5	32		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	83.5	56		30 (10)	130 (116)
		Terphenyl-d14	100	31.3	31		30 (10)	130 (105)
P3671-01DL	S-904-J-SO-0-0.5-081924DL	2-Fluorophenol	150	73.3	49		30 (18)	130 (112)
		Phenol-d6	150	77.7	52		30 (15)	130 (107)
		Nitrobenzene-d5	100	64.4	64		30 (18)	130 (107)
		2-Fluorobiphenyl	100	45.1	45		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	68.7	46		30 (10)	130 (116)
		Terphenyl-d14	100	40.6	41		30 (10)	130 (105)
P3671-02	S-904-J-SO-0.5-1.0-081924	2-Fluorophenol	150	82.1	55		30 (18)	130 (112)
		Phenol-d6	150	84.5	56		30 (15)	130 (107)
		Nitrobenzene-d5	100	60.0	60		30 (18)	130 (107)
		2-Fluorobiphenyl	100	40.3	40		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	101	67		30 (10)	130 (116)
		Terphenyl-d14	100	42.2	42		30 (10)	130 (105)
P3671-03	S-911-K1-SO-0-0.5-081924	2-Fluorophenol	150	74.9	50		30 (18)	130 (112)
		Phenol-d6	150	73.3	49		30 (15)	130 (107)
		Nitrobenzene-d5	100	49.2	49		30 (18)	130 (107)
		2-Fluorobiphenyl	100	48.7	49		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	83.8	56		30 (10)	130 (116)
		Terphenyl-d14	100	56.0	56		30 (10)	130 (105)
P3671-04	S-911-K1-SO-0.5-1-081924	2-Fluorophenol	150	73.0	49		30 (18)	130 (112)
		Phenol-d6	150	72.6	48		30 (15)	130 (107)
		Nitrobenzene-d5	100	48.9	49		30 (18)	130 (107)
		2-Fluorobiphenyl	100	46.2	46		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	80.7	54		30 (10)	130 (116)
		Terphenyl-d14	100	49.3	49		30 (10)	130 (105)
P3671-05	S-911-K1-SO-0-0.5-081924-FD	2-Fluorophenol	150	69.5	46		30 (18)	130 (112)
		Phenol-d6	150	69.4	46		30 (15)	130 (107)
		Nitrobenzene-d5	100	52.9	53		30 (18)	130 (107)
		2-Fluorobiphenyl	100	41.2	41		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	79.4	53		30 (10)	130 (116)
		Terphenyl-d14	100	37.7	38		30 (10)	130 (105)
P3671-06	S-905-KJ-SO-0-0.5-081924	2-Fluorophenol	150	85.1	57		30 (18)	130 (112)
		Phenol-d6	150	82.7	55		30 (15)	130 (107)
		Nitrobenzene-d5	100	61.2	61		30 (18)	130 (107)
		2-Fluorobiphenyl	100	42.7	43		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	97.9	65		30 (10)	130 (116)
		Terphenyl-d14	100	39.6	40		30 (10)	130 (105)
P3671-07	S-905-KJ-SO-0-0.5-081924-FD	2-Fluorophenol	150	85.0	57		30 (18)	130 (112)
		Phenol-d6	150	84.0	56		30 (15)	130 (107)
		Nitrobenzene-d5	100	59.8	60		30 (18)	130 (107)
		2-Fluorobiphenyl	100	38.1	38		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	92.8	62		30 (10)	130 (116)
		Terphenyl-d14	100	40.0	40		30 (10)	130 (105)
P3671-08	S-905-J-SO-0.5-1.0-081924	2-Fluorophenol	150	71.6	48		30 (18)	130 (112)
		Phenol-d6	150	69.0	46		30 (15)	130 (107)
		Nitrobenzene-d5	100	45.7	46		30 (18)	130 (107)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SW-846

SDG No.: P3671

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P3671-08	S-905-J-SO-0.5-1.0-081924	2-Fluorobiphenyl	100	40.3	40		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	76.6	51		30 (10)	130 (116)
		Terphenyl-d14	100	44.8	45		30 (10)	130 (105)
P3671-09	S-928-K1-SO-0-0.5-081924	2-Fluorophenol	150	61.8	41		30 (18)	130 (112)
		Phenol-d6	150	60.0	40		30 (15)	130 (107)
		Nitrobenzene-d5	100	42.1	42		30 (18)	130 (107)
		2-Fluorobiphenyl	100	31.4	31		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	59.6	40		30 (10)	130 (116)
		Terphenyl-d14	100	33.3	33		30 (10)	130 (105)
P3671-10	S-928-K1-SO-0.5-1-081924	2-Fluorophenol	150	88.4	59		30 (18)	130 (112)
		Phenol-d6	150	85.5	57		30 (15)	130 (107)
		Nitrobenzene-d5	100	56.2	56		30 (18)	130 (107)
		2-Fluorobiphenyl	100	49.9	50		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	93.8	63		30 (10)	130 (116)
		Terphenyl-d14	100	50.6	51		30 (10)	130 (105)
P3671-10MS	S-928-K1-SO-0.5-1-081924MS	2-Fluorophenol	150	90.6	60		30 (18)	130 (112)
		Phenol-d6	150	87.3	58		30 (15)	130 (107)
		Nitrobenzene-d5	100	57.4	57		30 (18)	130 (107)
		2-Fluorobiphenyl	100	50.6	51		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	92.6	62		30 (10)	130 (116)
		Terphenyl-d14	100	56.3	56		30 (10)	130 (105)
P3671-10MSD	S-928-K1-SO-0.5-1-081924MSD	2-Fluorophenol	150	95.8	64		30 (18)	130 (112)
		Phenol-d6	150	92.4	62		30 (15)	130 (107)
		Nitrobenzene-d5	100	59.6	60		30 (18)	130 (107)
		2-Fluorobiphenyl	100	54.1	54		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	99.0	66		30 (10)	130 (116)
		Terphenyl-d14	100	60.6	61		30 (10)	130 (105)
P3671-11	S-903-J-SO-0-0.5-081924	2-Fluorophenol	150	46.5	31		30 (18)	130 (112)
		Phenol-d6	150	46.0	31		30 (15)	130 (107)
		Nitrobenzene-d5	100	30.6	31		30 (18)	130 (107)
		2-Fluorobiphenyl	100	17.6	18	*	30 (20)	130 (109)
		2,4,6-Tribromophenol	150	43.2	29	*	30 (10)	130 (116)
		Terphenyl-d14	100	21.9	22	*	30 (10)	130 (105)
P3671-12	S-903-J-SO-0.5-1.0-081924	2-Fluorophenol	150	97.6	65		30 (18)	130 (112)
		Phenol-d6	150	96.1	64		30 (15)	130 (107)
		Nitrobenzene-d5	100	91.0	91		30 (18)	130 (107)
		2-Fluorobiphenyl	100	71.5	72		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	114	76		30 (10)	130 (116)
		Terphenyl-d14	100	63.1	63		30 (10)	130 (105)
P3671-13	S-912-J-SO-0-0.5-081924	2-Fluorophenol	150	77.8	52		30 (18)	130 (112)
		Phenol-d6	150	75.0	50		30 (15)	130 (107)
		Nitrobenzene-d5	100	51.4	51		30 (18)	130 (107)
		2-Fluorobiphenyl	100	36.8	37		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	70.5	47		30 (10)	130 (116)
		Terphenyl-d14	100	30.7	31		30 (10)	130 (105)
P3671-14	S-912-J-SO-0.5-1-081924	2-Fluorophenol	150	69.3	46		30 (18)	130 (112)
		Phenol-d6	150	65.3	44		30 (15)	130 (107)
		Nitrobenzene-d5	100	44.9	45		30 (18)	130 (107)
		2-Fluorobiphenyl	100	37.0	37		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	68.7	46		30 (10)	130 (116)
		Terphenyl-d14	100	34.7	35		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SW-846

SDG No.: P3671

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB162876BL	PB162876BL	2-Fluorophenol	150	120	80		30 (18)	130 (112)
		Phenol-d6	150	111	74		30 (15)	130 (107)
		Nitrobenzene-d5	100	74.6	75		30 (18)	130 (107)
		2-Fluorobiphenyl	100	78.3	78		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	135	90		30 (10)	130 (116)
		Terphenyl-d14	100	92.6	93		30 (10)	130 (105)
PB162876BS	PB162876BS	2-Fluorophenol	150	129	86		30 (18)	130 (112)
		Phenol-d6	150	120	80		30 (15)	130 (107)
		Nitrobenzene-d5	100	80.7	81		30 (18)	130 (107)
		2-Fluorobiphenyl	100	88.8	89		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	142	94		30 (10)	130 (116)
		Terphenyl-d14	100	113	113		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
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.: P3671

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P3671-10MS		**Client Sample ID: S-928-K1-SO-0.5-1-081924MS**						**DataFile: BM047318.D**			
Pyridine	2900	0	2000	ug/Kg	69				20 (45)	160 (119)	
Benzaldehyde	2900	0	1700	ug/Kg	59				20 (10)	160 (86)	
2-Methylphenol	2900	0	2700	ug/Kg	93				70 (66)	130 (122)	
3+4-Methylphenols	2900	0	2700	ug/Kg	93				20 (66)	160 (104)	
Hexachloroethane	2900	0	2500	ug/Kg	86				20 (65)	160 (117)	
Nitrobenzene	2900	0	2500	ug/Kg	86				70 (70)	130 (119)	
Naphthalene	2900	0	2600	ug/Kg	90				70 (72)	130 (110)	
Hexachlorobutadiene	2900	0	2900	ug/Kg	100				70 (66)	130 (114)	
2-Methylnaphthalene	2900	0	2700	ug/Kg	93				70 (59)	130 (123)	
2,4,6-Trichlorophenol	2900	0	3000	ug/Kg	103				70 (72)	130 (117)	
2,4,5-Trichlorophenol	2900	0	2900	ug/Kg	100				70 (72)	130 (117)	
Acenaphthylene	2900	0	2800	ug/Kg	97				70 (79)	130 (118)	
Acenaphthene	2900	0	2700	ug/Kg	93				70 (70)	130 (121)	
Dibenzofuran	2900	0	2700	ug/Kg	93				70 (72)	130 (110)	
2,4-Dinitrotoluene	2900	0	2600	ug/Kg	90				70 (55)	130 (128)	
Fluorene	2900	0	2600	ug/Kg	90				70 (68)	130 (116)	
Hexachlorobenzene	2900	0	2800	ug/Kg	97				70 (67)	130 (118)	
Pentachlorophenol	5800	0	5500	ug/Kg	95				20 (47)	160 (128)	
Phenanthrene	2900	0	2700	ug/Kg	93				70 (52)	130 (128)	
Anthracene	2900	0	2900	ug/Kg	100				70 (62)	130 (124)	
Carbazole	2900	0	2700	ug/Kg	93				70 (59)	130 (119)	
Di-n-butylphthalate	2900	0	2700	ug/Kg	93				70 (69)	130 (118)	
Fluoranthene	2900	0	2700	ug/Kg	93				70 (44)	130 (125)	
Pyrene	2900	0	2800	ug/Kg	97				70 (26)	130 (142)	
Benzo(a)anthracene	2900	0	2800	ug/Kg	97				70 (71)	130 (114)	
Chrysene	2900	0	2800	ug/Kg	97				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	2900	0	3000	ug/Kg	103				70 (42)	130 (169)	
Benzo(b)fluoranthene	2900	0	2800	ug/Kg	97				70 (67)	130 (121)	
Benzo(k)fluoranthene	2900	0	2900	ug/Kg	100				70 (57)	130 (134)	
Benzo(a)pyrene	2900	0	2900	ug/Kg	100				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	2900	0	2600	ug/Kg	90				70 (40)	130 (129)	
Dibenz(a,h)anthracene	2900	0	2500	ug/Kg	86				70 (43)	130 (123)	
Benzo(g,h,i)perylene	2900	0	2300	ug/Kg	79				70 (24)	130 (125)	
1,4-Dioxane	2900	0	2200	ug/Kg	76				20 (46)	160 (112)	
1-Methylnaphthalene	2900	0	2500	ug/Kg	86				70 (70)	130 (130)	

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
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.: P3671

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P3671-10MSD		**Client Sample ID: S-928-K1-SO-0.5-1-081924MSD**						**DataFile: BM047319.D**			
Pyridine	2900	0	2100	ug/Kg	72		4		20 (45)	160 (119)	30 (20)
Benzaldehyde	2900	0	1800	ug/Kg	62		5		20 (10)	160 (86)	30 (20)
2-Methylphenol	2900	0	2900	ug/Kg	100		7		70 (66)	130 (122)	30 (20)
3+4-Methylphenols	2900	0	2800	ug/Kg	97		4		20 (66)	160 (104)	30 (20)
Hexachloroethane	2900	0	2700	ug/Kg	93		8		20 (65)	160 (117)	30 (20)
Nitrobenzene	2900	0	2600	ug/Kg	90		5		70 (70)	130 (119)	30 (20)
Naphthalene	2900	0	2700	ug/Kg	93		3		70 (72)	130 (110)	30 (20)
Hexachlorobutadiene	2900	0	3100	ug/Kg	107		7		70 (66)	130 (114)	30 (20)
2-Methylnaphthalene	2900	0	2800	ug/Kg	97		4		70 (59)	130 (123)	30 (20)
2,4,6-Trichlorophenol	2900	0	3200	ug/Kg	110		7		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	2900	0	3100	ug/Kg	107		7		70 (72)	130 (117)	30 (20)
Acenaphthylene	2900	0	3000	ug/Kg	103		6		70 (79)	130 (118)	30 (20)
Acenaphthene	2900	0	2900	ug/Kg	100		7		70 (70)	130 (121)	30 (20)
Dibenzofuran	2900	0	2900	ug/Kg	100		7		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	2900	0	2800	ug/Kg	97		7		70 (55)	130 (128)	30 (20)
Fluorene	2900	0	2800	ug/Kg	97		7		70 (68)	130 (116)	30 (20)
Hexachlorobenzene	2900	0	3000	ug/Kg	103		6		70 (67)	130 (118)	30 (20)
Pentachlorophenol	5800	0	5800	ug/Kg	100		5		20 (47)	160 (128)	30 (20)
Phenanthrene	2900	0	2900	ug/Kg	100		7		70 (52)	130 (128)	30 (20)
Anthracene	2900	0	3100	ug/Kg	107		7		70 (62)	130 (124)	30 (20)
Carbazole	2900	0	2800	ug/Kg	97		4		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	2900	0	2900	ug/Kg	100		7		70 (69)	130 (118)	30 (20)
Fluoranthene	2900	0	2900	ug/Kg	100		7		70 (44)	130 (125)	30 (20)
Pyrene	2900	0	3100	ug/Kg	107		10		70 (26)	130 (142)	30 (20)
Benzo(a)anthracene	2900	0	3000	ug/Kg	103		6		70 (71)	130 (114)	30 (20)
Chrysene	2900	0	2900	ug/Kg	100		3		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	2900	0	3200	ug/Kg	110		7		70 (42)	130 (169)	30 (20)
Benzo(b)fluoranthene	2900	0	3000	ug/Kg	103		6		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	2900	0	3100	ug/Kg	107		7		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	2900	0	3100	ug/Kg	107		7		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	2900	0	2800	ug/Kg	97		7		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	2900	0	2700	ug/Kg	93		8		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	2900	0	2500	ug/Kg	86		8		70 (24)	130 (125)	30 (20)
1,4-Dioxane	2900	0	2300	ug/Kg	79		4		20 (46)	160 (112)	30 (20)
1-Methylnaphthalene	2900	0	2700	ug/Kg	93		8		70 (70)	130 (130)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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.: P3671

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BM047310.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB162876BS	Pyridine	1700	1000	ug/Kg	59				20 (28)	160 (98)	
	Benzaldehyde	1700	900	ug/Kg	53				20 (10)	160 (133)	
	2-Methylphenol	1700	1400	ug/Kg	82				70 (61)	130 (108)	
	3+4-Methylphenols	1700	1400	ug/Kg	82				20 (58)	160 (111)	
	Hexachloroethane	1700	1400	ug/Kg	82				20 (72)	160 (108)	
	Nitrobenzene	1700	1300	ug/Kg	76				70 (57)	130 (101)	
	Naphthalene	1700	1400	ug/Kg	82				70 (62)	130 (100)	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				70 (53)	130 (98)	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				70 (60)	130 (104)	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				70 (61)	130 (98)	
	Acenaphthylene	1700	1500	ug/Kg	88				70 (63)	130 (101)	
	Acenaphthene	1700	1500	ug/Kg	88				70 (57)	130 (104)	
	Dibenzofuran	1700	1500	ug/Kg	88				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				70 (60)	130 (106)	
	Fluorene	1700	1500	ug/Kg	88				70 (61)	130 (101)	
	Hexachlorobenzene	1700	1600	ug/Kg	94				70 (64)	130 (98)	
	Pentachlorophenol	3300	3000	ug/Kg	91				20 (67)	160 (105)	
	Phenanthrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Anthracene	1700	1600	ug/Kg	94				70 (61)	130 (105)	
	Carbazole	1700	1500	ug/Kg	88				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				70 (58)	130 (104)	
	Fluoranthene	1700	1500	ug/Kg	88				70 (57)	130 (107)	
	Pyrene	1700	1600	ug/Kg	94				70 (59)	130 (103)	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				70 (60)	130 (102)	
	Chrysene	1700	1500	ug/Kg	88				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				70 (54)	130 (135)	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1400	ug/Kg	82				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1400	ug/Kg	82				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1300	ug/Kg	76				70 (70)	130 (108)	
	1,4-Dioxane	1700	1100	ug/Kg	65				20 (50)	160 (96)	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70 (70)	130 (130)	

( ) = LABORATORY INHOUSE LIMIT

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162876BL

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3671 SAS No.: P3671 SDG NO.: P3671

Lab File ID: BM047309.D Lab Sample ID: PB162876BL

Instrument ID: BNA_M Date Extracted: 08/21/2024

Matrix: (soil/water) SOIL Date Analyzed: 08/22/2024

Level: (low/med) LOW Time Analyzed: 09:54

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162876BS	PB162876BS	BM047310.D	08/22/2024
S-912-J-SO-0.5-1-081924	P3671-14	BM047314.D	08/22/2024
S-912-J-SO-0-0.5-081924	P3671-13	BM047316.D	08/22/2024
S-928-K1-SO-0.5-1-081924MS	P3671-10MS	BM047318.D	08/22/2024
S-928-K1-SO-0.5-1-081924MSD	P3671-10MSD	BM047319.D	08/22/2024
S-904-J-SO-0-0.5-081924	P3671-01	BP021614.D	08/22/2024
S-904-J-SO-0.5-1.0-081924	P3671-02	BP021620.D	08/22/2024
S-905-KJ-SO-0-0.5-081924	P3671-06	BP021611.D	08/22/2024
S-905-KJ-SO-0-0.5-081924-FD	P3671-07	BP021612.D	08/22/2024
S-911-K1-SO-0-0.5-081924-FD	P3671-05	BP021613.D	08/22/2024
S-903-J-SO-0-0.5-081924	P3671-11	BP021621.D	08/22/2024
S-903-J-SO-0.5-1.0-081924	P3671-12	BF139135.D	08/22/2024
S-911-K1-SO-0-0.5-081924	P3671-03	BM047320.D	08/22/2024
S-928-K1-SO-0-0.5-081924	P3671-09	BM047315.D	08/22/2024
S-928-K1-SO-0.5-1-081924	P3671-10	BM047317.D	08/22/2024
S-911-K1-SO-0.5-1-081924	P3671-04	BM047321.D	08/22/2024
S-905-J-SO-0.5-1.0-081924	P3671-08	BM047322.D	08/22/2024

COMMENTS:

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: JACO05

Lab Code: CHEM SAS No.: P3671 SDG NO.: P3671

Lab File ID: BF139077.D DFTPP Injection Date: 08/20/2024

Instrument ID: BNA_F DFTPP Injection Time: 16:39

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.3
68	Less than 2.0% of mass 69	0.8 (2) 1
69	Mass 69 relative abundance	40.7
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	45.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	29.6
365	Greater than 1% of mass 198	4.0
441	Present, but less than mass 443	16.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	20.2 (20.2) 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
SSTDICC2.5	SSTDICC2.5	BF139078.D	08/20/2024	17:10
SSTDICC005	SSTDICC005	BF139079.D	08/20/2024	17:40
SSTDICC010	SSTDICC010	BF139080.D	08/20/2024	18:10
SSTDICC020	SSTDICC020	BF139081.D	08/20/2024	18:40
SSTDICCC040	SSTDICCC040	BF139082.D	08/20/2024	19:10
SSTDICC050	SSTDICC050	BF139083.D	08/20/2024	19:41
SSTDICC060	SSTDICC060	BF139084.D	08/20/2024	20:11
SSTDICC080	SSTDICC080	BF139085.D	08/20/2024	20:41

Raw Data: **BF139112.D**

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: JACO05

Lab Code: CHEM SAS No.: P3671 SDG NO.: P3671

Lab File ID: BF139112.D DFTPP Injection Date: 08/22/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	42.6
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	43.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.5 (19.3) 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
SSTDCCC040	SSTDCCC040	BF139113.D	08/22/2024	10:25
S-903-J-SO-0.5-1.0-081924	P3671-12	BF139135.D	08/22/2024	21:20

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: JACO05

Lab Code: CHEM SAS No.: P3671 SDG NO.: P3671

Lab File ID: BF139158.D DFTPP Injection Date: 08/26/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.9
68	Less than 2.0% of mass 69	0.8 (1.8) 1
69	Mass 69 relative abundance	42.5
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.5
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	13.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.6 (19.2) 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
SSTDCCC040	SSTDCCC040	BF139159.D	08/26/2024	09:43
S-904-J-SO-0-0.5-081924DL	P3671-01DL	BF139161.D	08/26/2024	10:51

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: JACO05

Lab Code: CHEM SAS No.: P3671 SDG NO.: P3671

Lab File ID: BM047139.D DFTPP Injection Date: 08/10/2024

Instrument ID: BNA_M DFTPP Injection Time: 12:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.7
68	Less than 2.0% of mass 69	0.6 (1.3) 1
69	Mass 69 relative abundance	44.5
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.9
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	9.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	11.4 (19.7) 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
SSTDICC2.5	SSTDICC2.5	BM047140.D	08/10/2024	13:12
SSTDICC005	SSTDICC005	BM047141.D	08/10/2024	13:52
SSTDICC010	SSTDICC010	BM047142.D	08/10/2024	14:31
SSTDICC020	SSTDICC020	BM047143.D	08/10/2024	15:11
SSTDICCC040	SSTDICCC040	BM047144.D	08/10/2024	15:51
SSTDICC050	SSTDICC050	BM047145.D	08/10/2024	16:31
SSTDICC060	SSTDICC060	BM047146.D	08/10/2024	17:11
SSTDICC080	SSTDICC080	BM047147.D	08/10/2024	17:51

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: JACO05

Lab Code: CHEM SAS No.: P3671 SDG NO.: P3671

Lab File ID: BM047307.D DFTPP Injection Date: 08/22/2024

Instrument ID: BNA_M DFTPP Injection Time: 08:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	25.4
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	32.2
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	39.1
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	3.2
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	11.5 (19.2) 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
SSTDCCC040	SSTDCCC040	BM047308.D	08/22/2024	09:14
PB162876BL	PB162876BL	BM047309.D	08/22/2024	09:54
PB162876BS	PB162876BS	BM047310.D	08/22/2024	10:33
S-912-J-SO-0.5-1-081924	P3671-14	BM047314.D	08/22/2024	13:11
S-928-K1-SO-0-0.5-081924	P3671-09	BM047315.D	08/22/2024	13:51
S-912-J-SO-0-0.5-081924	P3671-13	BM047316.D	08/22/2024	14:31
S-928-K1-SO-0.5-1-081924	P3671-10	BM047317.D	08/22/2024	15:10
S-928-K1-SO-0.5-1-081924MS	P3671-10MS	BM047318.D	08/22/2024	15:50
S-928-K1-SO-0.5-1-081924MSD	P3671-10MSD	BM047319.D	08/22/2024	16:30
S-911-K1-SO-0-0.5-081924	P3671-03	BM047320.D	08/22/2024	17:10
S-911-K1-SO-0.5-1-081924	P3671-04	BM047321.D	08/22/2024	17:50
S-905-J-SO-0.5-1.0-081924	P3671-08	BM047322.D	08/22/2024	18:29

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: JACO05

Lab Code: CHEM SAS No.: P3671 SDG NO.: P3671

Lab File ID: BP021480.D DFTPP Injection Date: 08/13/2024

Instrument ID: BNA_P DFTPP Injection Time: 11:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.1
68	Less than 2.0% of mass 69	0.6 (1.5) 1
69	Mass 69 relative abundance	40.6
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	43.9
197	Less than 2.0% of mass 198	0.5
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	28.5
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.7 (19.3) 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
SSTDICC2.5	SSTDICC2.5	BP021481.D	08/13/2024	12:32
SSTDICC005	SSTDICC005	BP021482.D	08/13/2024	13:15
SSTDICC010	SSTDICC010	BP021483.D	08/13/2024	13:59
SSTDICC020	SSTDICC020	BP021484.D	08/13/2024	14:42
SSTDICCC040	SSTDICCC040	BP021485.D	08/13/2024	15:26
SSTDICC050	SSTDICC050	BP021486.D	08/13/2024	16:09
SSTDICC060	SSTDICC060	BP021487.D	08/13/2024	16:53
SSTDICC080	SSTDICC080	BP021488.D	08/13/2024	17:36

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: JACO05

Lab Code: CHEM SAS No.: P3671 SDG NO.: P3671

Lab File ID: BP021606.D DFTPP Injection Date: 08/22/2024

Instrument ID: BNA_P DFTPP Injection Time: 08:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.6
68	Less than 2.0% of mass 69	0.6 (1.4) 1
69	Mass 69 relative abundance	38.7
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	45.5
197	Less than 2.0% of mass 198	0.5
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	28.1
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	13.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.9 (19.5) 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
SSTDCCC040	SSTDCCC040	BP021607.D	08/22/2024	10:09
S-905-KJ-SO-0-0.5-081924	P3671-06	BP021611.D	08/22/2024	12:57
S-905-KJ-SO-0-0.5-081924-FD	P3671-07	BP021612.D	08/22/2024	13:39
S-911-K1-SO-0-0.5-081924-FD	P3671-05	BP021613.D	08/22/2024	14:21
S-904-J-SO-0-0.5-081924	P3671-01	BP021614.D	08/22/2024	15:04
S-904-J-SO-0.5-1.0-081924	P3671-02	BP021620.D	08/22/2024	19:23
S-903-J-SO-0-0.5-081924	P3671-11	BP021621.D	08/22/2024	20:06

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.: P3671 SAS No.: P3671 SDG NO.: P3671

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/22/2024

Lab File ID: BF139113.D Time Analyzed: 10:25

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	92822	6.898	343989	8.18	206423	9.93
	UPPER LIMIT	185644	7.398	687978	8.681	412846	10.433
	LOWER LIMIT	46411	6.398	171995	7.681	103212	9.433
	EPA SAMPLE NO.						
01	S-903-J-SO-0.5-1.0-081924	85247	6.90	279964	8.18	126845	9.93

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.: P3671 SAS No.: P3671 SDG NO.: P3671

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/22/2024

Lab File ID: BF139113.D Time Analyzed: 10:25

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	374434	11.421	220430	14.057	197324	15.533
	UPPER LIMIT	748868	11.921	440860	14.557	394648	16.033
	LOWER LIMIT	187217	10.921	110215	13.557	98662	15.033
	EPA SAMPLE NO.						
01	S-903-J-SO-0.5-1.0-081924	218265	11.42	157920	14.06	125372	15.53

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.: P3671 SAS No.: P3671 SDG NO.: P3671

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/26/2024

Lab File ID: BF139159.D Time Analyzed: 09:43

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	95428	6.898	349140	8.18	213475	9.94
	UPPER LIMIT	190856	7.398	698280	8.681	426950	10.439
	LOWER LIMIT	47714	6.398	174570	7.681	106738	9.439
	EPA SAMPLE NO.						
01	S-904-J-SO-0-0.5-081924DL	92486	6.90	347656	8.18	198607	9.93

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.: P3671 SAS No.: P3671 SDG NO.: P3671

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/26/2024

Lab File ID: BF139159.D Time Analyzed: 09:43

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	377412	11.422	203247	14.063	185607	15.539
	UPPER LIMIT	754824	11.922	406494	14.563	371214	16.039
	LOWER LIMIT	188706	10.922	101624	13.563	92803.5	15.039
	EPA SAMPLE NO.						
01	S-904-J-SO-0-0.5-081924DL	323380	11.42	172392	14.06	177359	15.54

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.: P3671 SAS No.: P3671 SDG NO.: P3671

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/22/2024

Lab File ID: BM047308.D Time Analyzed: 09:14

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	315372	7.351	1211800	10.11	822573	14.02
	UPPER LIMIT	630744	7.851	2423600	10.61	1645150	14.516
	LOWER LIMIT	157686	6.851	605900	9.61	411287	13.516
	EPA SAMPLE NO.						
01	PB162876BL	281766	7.35	1075990	10.10	756240	14.01
02	PB162876BS	282445	7.35	1071180	10.11	710049	14.02
03	S-911-K1-SO-0-0.5-081924	309540	7.35	1172570	10.10	767719	14.01
04	S-928-K1-SO-0-0.5-081924	278437	7.35	1046350	10.10	702300	14.01
05	S-928-K1-SO-0.5-1-081924	256729	7.35	976076	10.10	648357	14.01
06	S-928-K1-SO-0.5-1-081924MS	265473	7.35	1026740	10.11	688419	14.02
07	S-911-K1-SO-0.5-1-081924	278538	7.35	1071090	10.10	711312	14.01
08	S-905-J-SO-0.5-1.0-081924	265711	7.35	1004300	10.10	664742	14.01
09	S-928-K1-SO-0.5-1-081924MSD	265079	7.35	1032290	10.10	681146	14.02
10	S-912-J-SO-0-0.5-081924	255981	7.35	983498	10.10	648299	14.01
11	S-912-J-SO-0.5-1-081924	251683	7.35	951089	10.10	635439	14.01

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.: P3671 SAS No.: P3671 SDG NO.: P3671

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/22/2024

Lab File ID: BM047308.D Time Analyzed: 09:14

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1768060	16.78	1535450	21.021	1629250	23.709
	UPPER LIMIT	3536120	17.28	3070900	21.521	3258500	24.209
	LOWER LIMIT	884030	16.28	767725	20.521	814625	23.209
	EPA SAMPLE NO.						
01	PB162876BL	1704430	16.77	1659660	21.02	1651860	23.71
02	PB162876BS	1479380	16.78	1223660	21.02	1272660	23.71
03	S-911-K1-SO-0-0.5-081924	1594340	16.77	1299710	21.02	1239810	23.71
04	S-928-K1-SO-0-0.5-081924	1490860	16.77	1318130	21.02	1285510	23.71
05	S-928-K1-SO-0.5-1-081924	1364520	16.77	1305170	21.02	1329490	23.71
06	S-928-K1-SO-0.5-1-081924MS	1449370	16.78	1253560	21.02	1332020	23.71
07	S-911-K1-SO-0.5-1-081924	1465590	16.77	1283780	21.02	1217790	23.71
08	S-905-J-SO-0.5-1.0-081924	1391490	16.77	1222870	21.02	1213450	23.71
09	S-928-K1-SO-0.5-1-081924MSI	1434690	16.78	1216240	21.02	1268090	23.71
10	S-912-J-SO-0-0.5-081924	1386420	16.77	1285470	21.02	1323020	23.71
11	S-912-J-SO-0.5-1-081924	1371330	16.77	1283730	21.02	1313200	23.71

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

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

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

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.: P3671 SAS No.: P3671 SDG NO.: P3671

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/22/2024

Lab File ID: BP021607.D Time Analyzed: 10:09

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	306021	7.805	1295900	10.59	892605	14.45
	UPPER LIMIT	612042	8.305	2591800	11.087	1785210	14.946
	LOWER LIMIT	153011	7.305	647950	10.087	446303	13.946
	EPA SAMPLE NO.						
01	S-905-KJ-SO-0-0.5-081924	333595	7.80	1347160	10.59	908710	14.44
02	S-904-J-SO-0-0.5-081924	316478	7.80	1338300	10.59	940435	14.45
03	S-911-K1-SO-0-0.5-081924-FD	356018	7.80	1427730	10.59	917752	14.45
04	S-904-J-SO-0.5-1.0-081924	328696	7.80	1406530	10.59	997125	14.44
05	S-905-KJ-SO-0-0.5-081924-FD	345383	7.80	1403130	10.59	909066	14.45
06	S-903-J-SO-0-0.5-081924	360701	7.81	1546560	10.59	1075680	14.44

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.: P3671 SAS No.: P3671 SDG NO.: P3671

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/22/2024

Lab File ID: BP021607.D Time Analyzed: 10:09

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	2043670	17.251	2177760	21.716	2529330	25.151
	UPPER LIMIT	4087340	17.751	4355520	22.216	5058660	25.651
	LOWER LIMIT	1021840	16.751	1088880	21.216	1264670	24.651
	EPA SAMPLE NO.						
01	S-905-KJ-SO-0-0.5-081924	2015240	17.25	2006770	21.72	2308450	25.15
02	S-904-J-SO-0-0.5-081924	2172340	17.26	1951330	21.73	2313520	25.16
03	S-911-K1-SO-0-0.5-081924-FI	2066500	17.26	2032280	21.72	2350320	25.17
04	S-904-J-SO-0.5-1.0-081924	2294610	17.26	1965330	21.72	2369110	25.17
05	S-905-KJ-SO-0-0.5-081924-FI	1936350	17.25	1922280	21.72	2252160	25.14
06	S-903-J-SO-0-0.5-081924	2395930	17.25	2027360	21.72	2358800	25.15

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

Raw Data: **BP021614.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-904-J-SO-0-0.5-081924	SDG No.:	P3671
Lab Sample ID:	P3671-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	71.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021614.D	1	08/21/24 08:50	08/22/24 15:04	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	110	U	110	240	ug/Kg
100-52-7	Benzaldehyde	250	U	250	460	ug/Kg
95-48-7	2-Methylphenol	110	U	110	240	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	460	ug/Kg
67-72-1	Hexachloroethane	120	U	120	240	ug/Kg
98-95-3	Nitrobenzene	130	U	130	240	ug/Kg
91-20-3	Naphthalene	120	U	120	240	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	240	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	240	ug/Kg
208-96-8	Acenaphthylene	120	U	120	240	ug/Kg
83-32-9	Acenaphthene	640		110	240	ug/Kg
132-64-9	Dibenzofuran	420		120	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	240	ug/Kg
86-73-7	Fluorene	790		120	240	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	240	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	460	ug/Kg
85-01-8	Phenanthrene	6100	E	120	240	ug/Kg
120-12-7	Anthracene	1800		120	240	ug/Kg
86-74-8	Carbazole	920		110	240	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	240	ug/Kg
206-44-0	Fluoranthene	5900	E	110	240	ug/Kg
129-00-0	Pyrene	5300	E	120	240	ug/Kg
56-55-3	Benzo(a)anthracene	3000		110	240	ug/Kg
218-01-9	Chrysene	3100		110	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	3400		110	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		120	240	ug/Kg

Raw Data: **BP021614.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-904-J-SO-0-0.5-081924	SDG No.:	P3671
Lab Sample ID:	P3671-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	71.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021614.D	1	08/21/24 08:50	08/22/24 15:04	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
50-32-8	Benzo(a)pyrene	2800		130	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		110	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	440		110	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		110	240	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	240	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	240	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	67.8		30 (18) - 130 (112)	45%	SPK: 150
13127-88-3	Phenol-d6	68.6		30 (15) - 130 (107)	46%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.8		30 (18) - 130 (107)	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	32.5		30 (20) - 130 (109)	32%	SPK: 100
118-79-6	2,4,6-Tribromophenol	83.5		30 (10) - 130 (116)	56%	SPK: 150
1718-51-0	Terphenyl-d14	31.3		30 (10) - 130 (105)	31%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	316000	7.799			
1146-65-2	Naphthalene-d8	1340000	10.587			
15067-26-2	Acenaphthene-d10	940000	14.451			
1517-22-2	Phenanthrene-d10	2170000	17.257			
1719-03-5	Chrysene-d12	1950000	21.733			
1520-96-3	Perylene-d12	2310000	25.156			

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_P\Data\BP082224\
Data File : BP021614.D
Acq On : 22 Aug 2024 15:04
Operator : RC/JU
Sample : P3671-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0-0.5-081924

Quant Time: Aug 22 16:02:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 2024
Response via : Initial Calibration

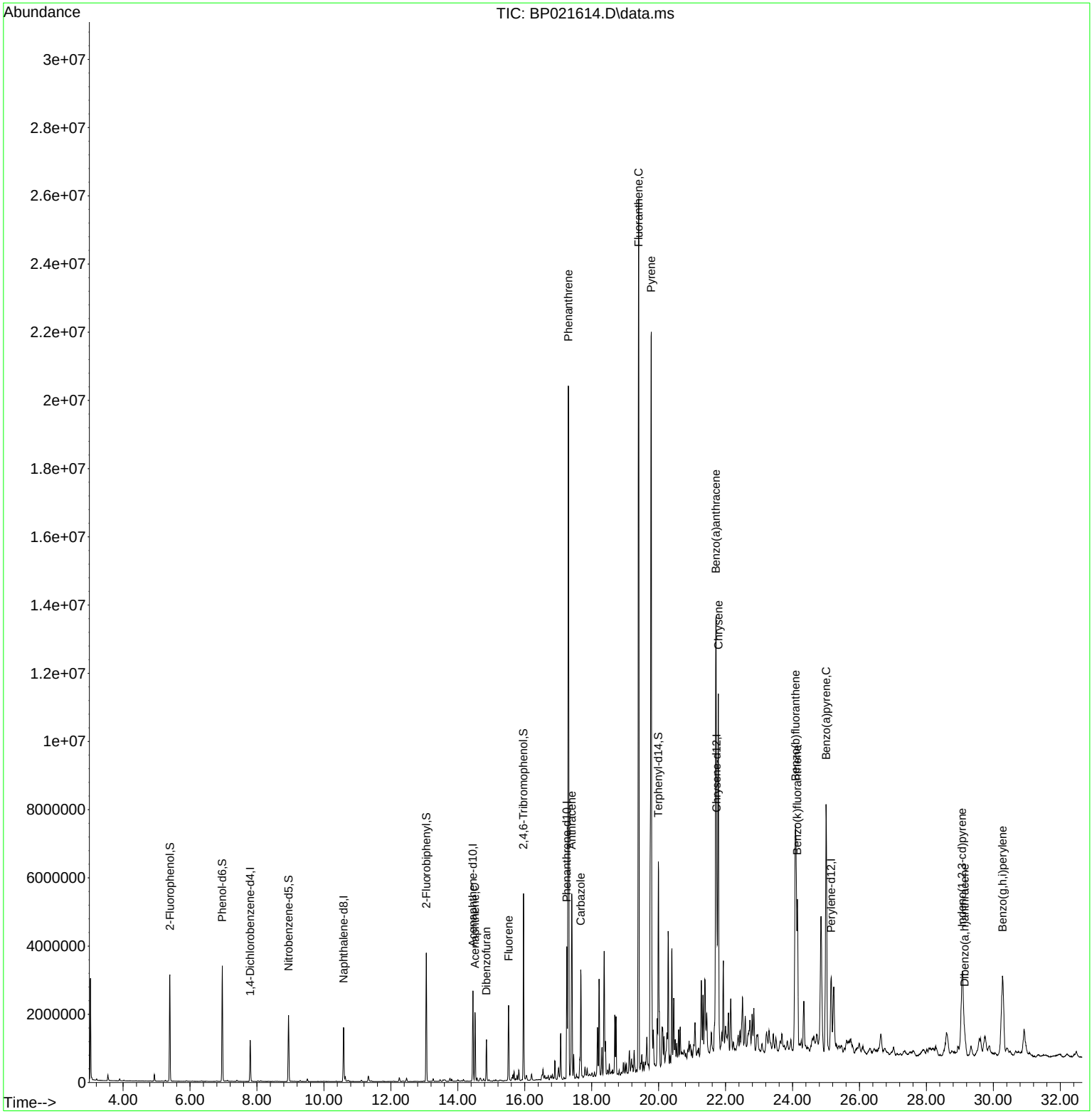
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.799	152	316478	20.000	ng		0.00
21) Naphthalene-d8	10.587	136	1338301	20.000	ng		0.00
39) Acenaphthene-d10	14.451	164	940435	20.000	ng		0.00
64) Phenanthrene-d10	17.257	188	2172341	20.000	ng		0.00
76) Chrysene-d12	21.733	240	1951332	20.000	ng		0.02
86) Perylene-d12	25.156	264	2313524	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.399	112	1444728	67.784	ng		0.00
7) Phenol-d6	6.963	99	2131740	68.563	ng		0.00
23) Nitrobenzene-d5	8.946	82	1265971	48.825	ng		0.00
42) 2,4,6-Tribromophenol	15.963	330	873739	83.478	ng		0.00
45) 2-Fluorobiphenyl	13.057	172	2000009	32.457	ng		0.00
79) Terphenyl-d14	19.992	244	3147380	31.335	ng		0.02
Target Compounds							Qvalue
52) Acenaphthene	14.516	154	686277	13.735	ng		100
55) Dibenzofuran	14.857	168	692950	9.015	ng		100
58) Fluorene	15.516	166	1072641	16.987	ng		98
71) Phenanthrene	17.304	178	13740803	131.525	ng		98
72) Anthracene	17.404	178	3889783	37.964	ng		100
73) Carbazole	17.675	167	1941753	19.665	ng		100
75) Fluoranthene	19.398	202	16230305	126.615	ng		94
78) Pyrene	19.774	202	14511086	113.774	ng		95
81) Benzo(a)anthracene	21.710	228	7924848	64.694	ng		98
83) Chrysene	21.786	228	7603083	65.739	ng		97
87) Indeno(1,2,3-cd)pyrene	29.068	276	4951827	33.020	ng	#	90
88) Benzo(b)fluoranthene	24.092	252	9645617	72.594	ng		99
89) Benzo(k)fluoranthene	24.145	252	3245482m	25.039	ng		
90) Benzo(a)pyrene	25.004	252	6955169	60.319	ng		97
91) Dibenzo(a,h)anthracene	29.145	278	1168614	9.379	ng		95
92) Benzo(g,h,i)perylene	30.274	276	4543482	36.380	ng		99

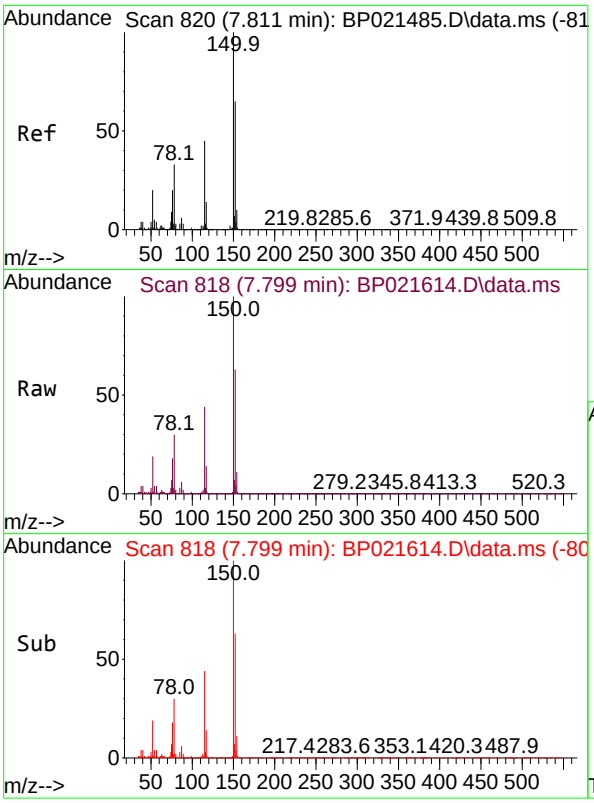
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
Data File : BP021614.D
Acq On : 22 Aug 2024 15:04
Operator : RC/JU
Sample : P3671-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0-0.5-081924

Quant Time: Aug 22 16:02:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 2024
Response via : Initial Calibration



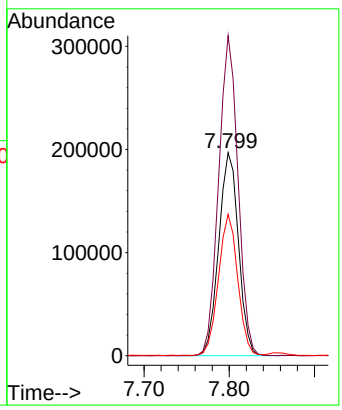


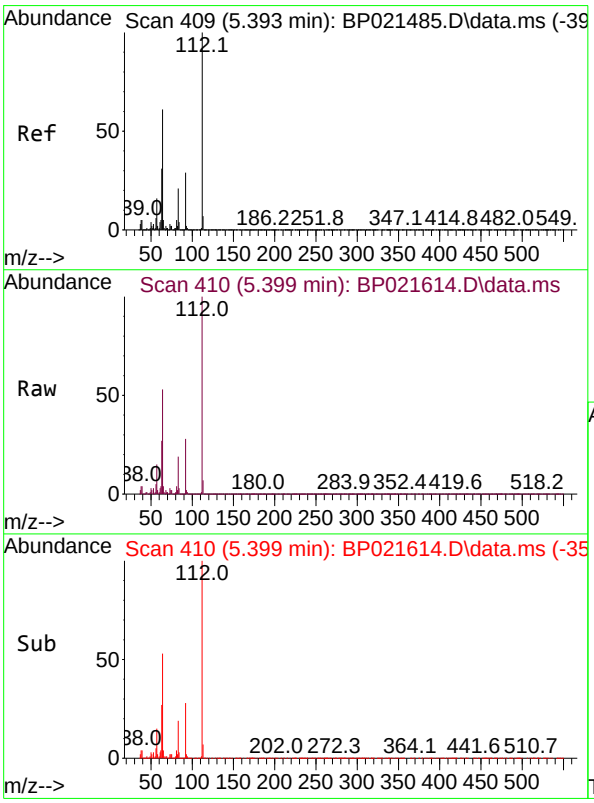
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0-0.5-081924

Tgt Ion:152 Resp: 316478

Ion	Ratio	Lower	Upper
152	100		
150	157.6	122.4	183.6
115	69.6	54.7	82.1

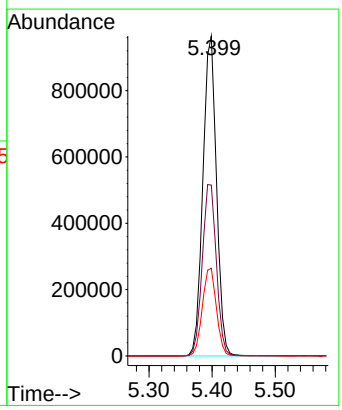


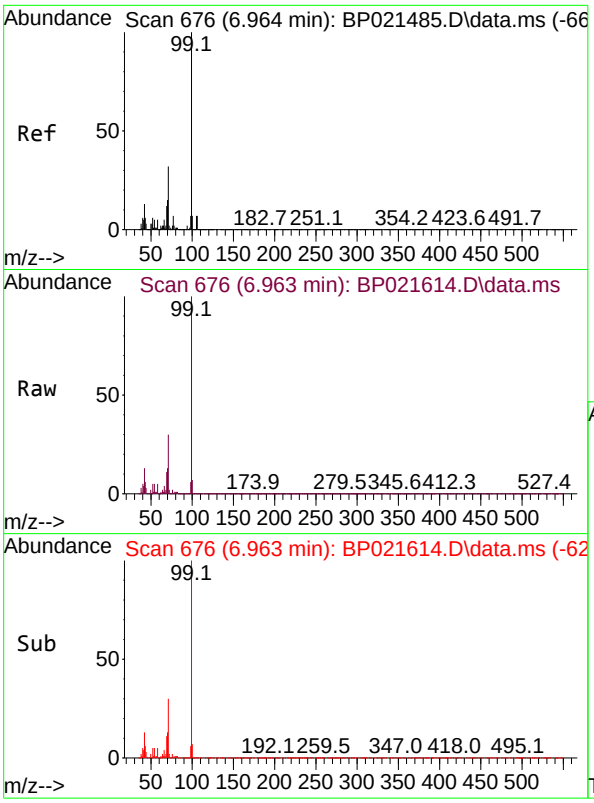


#5
2-Fluorophenol
Concen: 67.784 ng
RT: 5.399 min Scan# 410
Delta R.T. -0.000 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Tgt Ion:112 Resp: 1444728

Ion	Ratio	Lower	Upper
112	100		
64	53.4	49.0	73.6
63	27.4	24.6	36.8



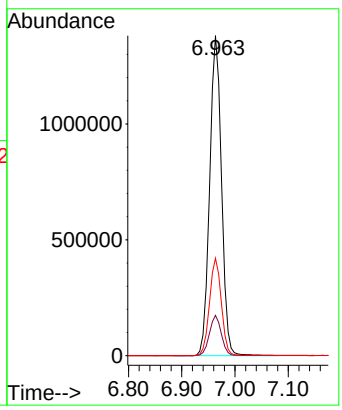


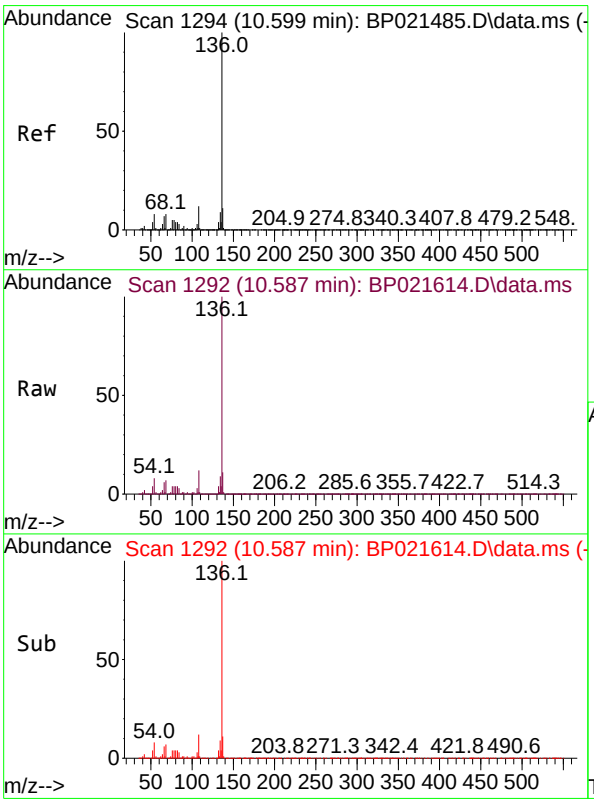
#7
Phenol-d6
Concen: 68.563 ng
RT: 6.963 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0-0.5-081924

Tgt Ion: 99 Resp: 2131740

Ion	Ratio	Lower	Upper
99	100		
42	12.6	10.2	15.4
71	30.5	25.8	38.8

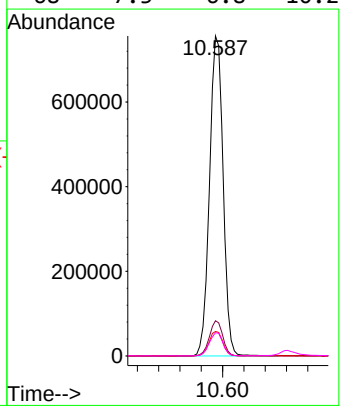


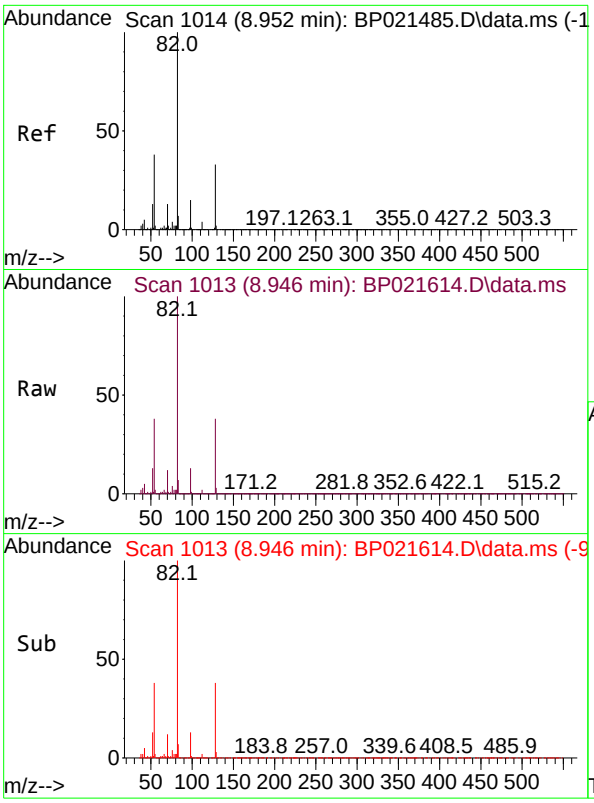


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.000 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Tgt Ion:136 Resp: 1338301

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.7	6.3	9.5
68	7.3	6.8	10.2



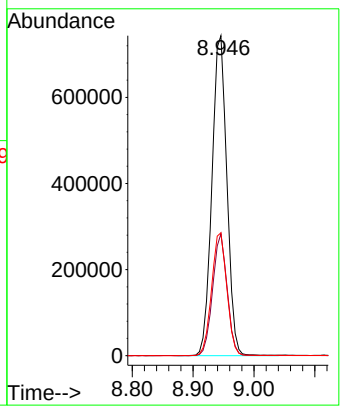


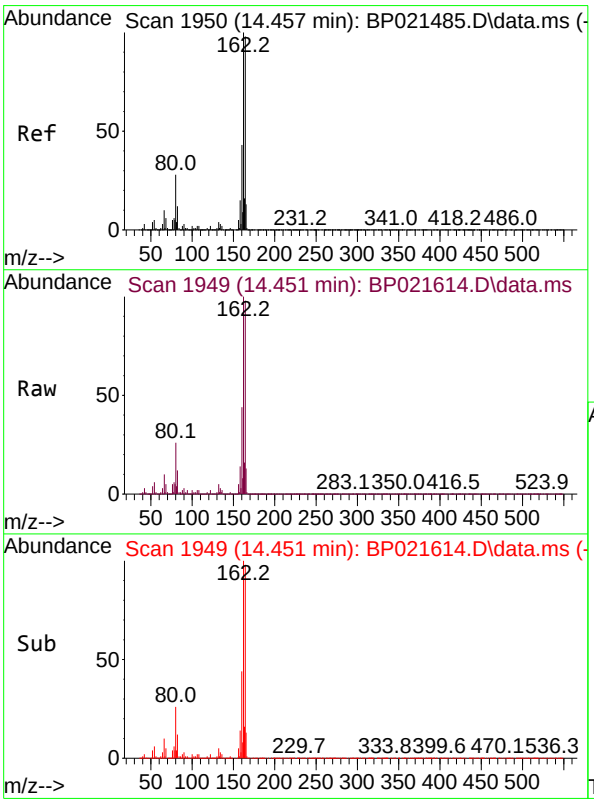
#23
Nitrobenzene-d5
Concen: 48.825 ng
RT: 8.946 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0-0.5-081924

Tgt Ion: 82 Resp: 1265971

Ion	Ratio	Lower	Upper
82	100		
128	38.1	26.5	39.7
54	38.4	30.3	45.5

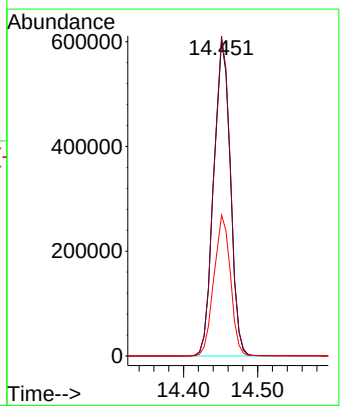


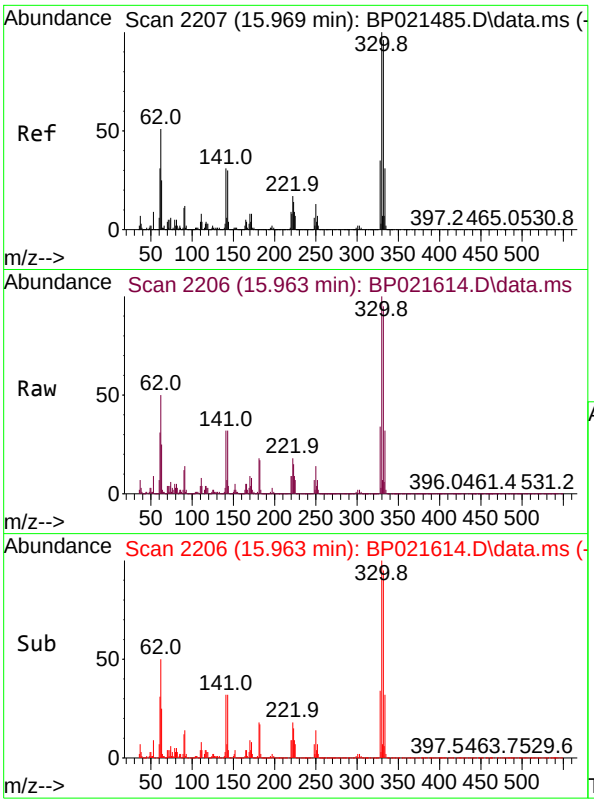


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Tgt Ion:164 Resp: 940435

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.5	122.3
160	44.7	35.2	52.8



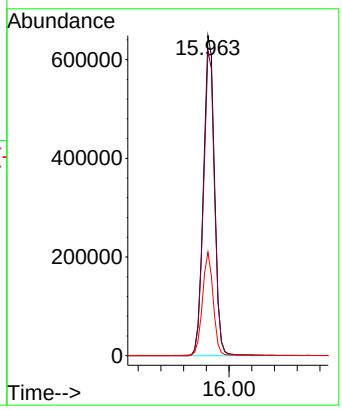


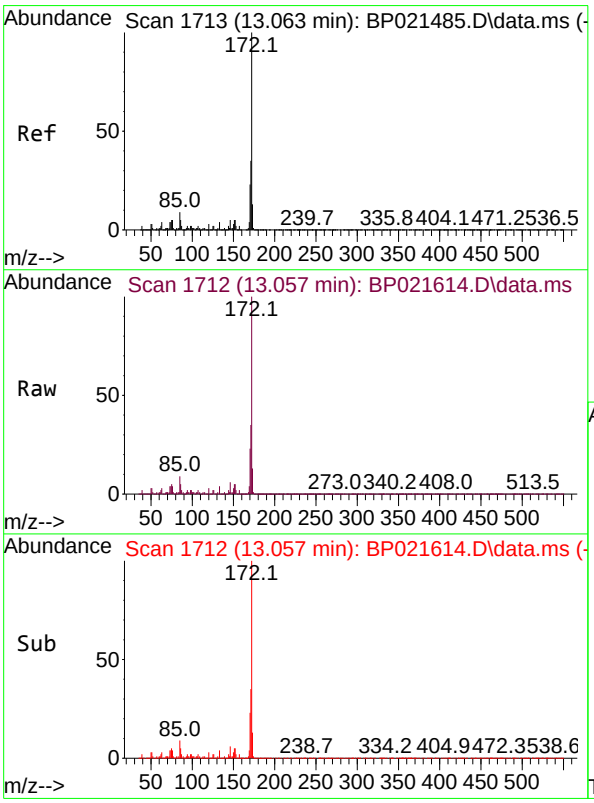
#42
2,4,6-Tribromophenol
Concen: 83.478 ng
RT: 15.963 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0-0.5-081924

Tgt Ion:330 Resp: 873739

Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.4	116.0
141	31.4	24.5	36.7

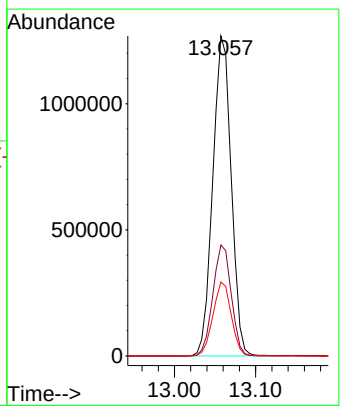


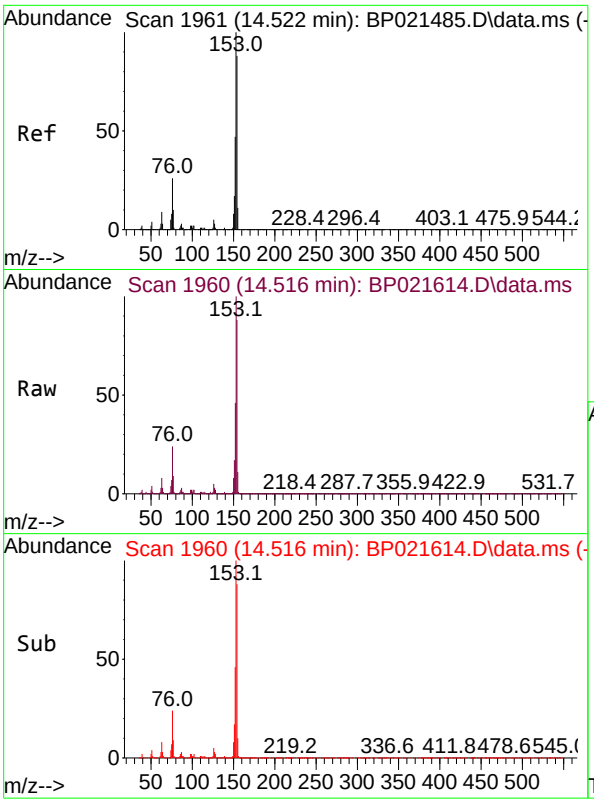


#45
2-Fluorobiphenyl
Concen: 32.457 ng
RT: 13.057 min Scan# 1712
Delta R.T. 0.006 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Tgt Ion:172 Resp: 2000009

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.2	42.4
170	23.1	18.4	27.6



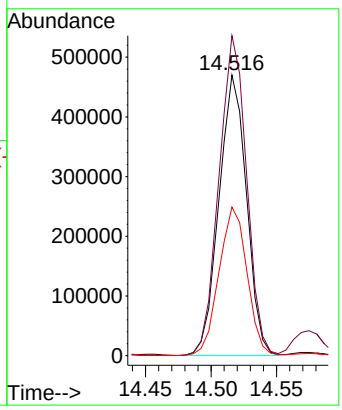


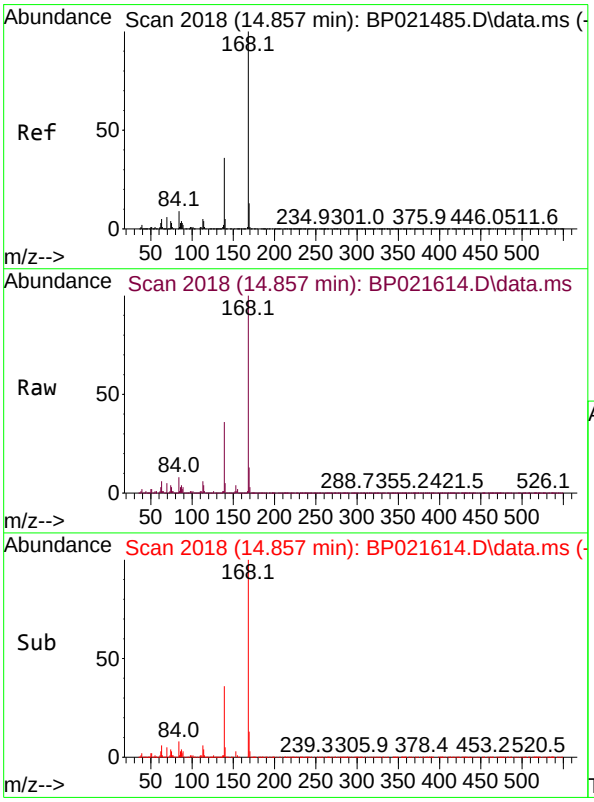
#52
Acenaphthene
Concen: 13.735 ng
RT: 14.516 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0-0.5-081924

Tgt Ion:154 Resp: 686277

Ion	Ratio	Lower	Upper
154	100		
153	114.0	91.1	136.7
152	52.9	43.0	64.4

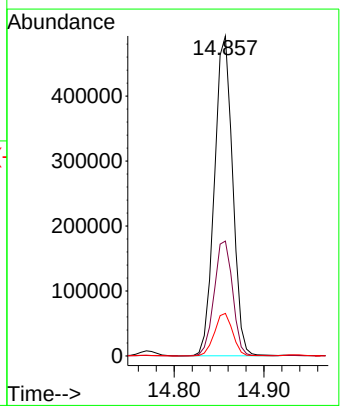


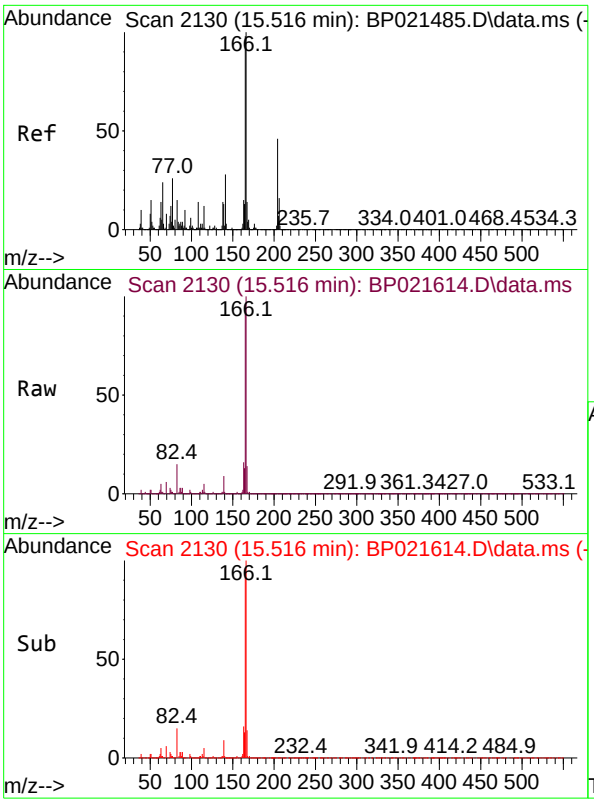


#55
Dibenzofuran
Concen: 9.015 ng
RT: 14.857 min Scan# 2018
Delta R.T. 0.012 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Tgt Ion:168 Resp: 692950

Ion	Ratio	Lower	Upper
168	100		
139	35.9	28.6	43.0
169	13.3	10.6	16.0



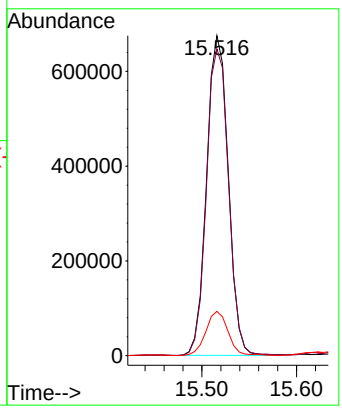


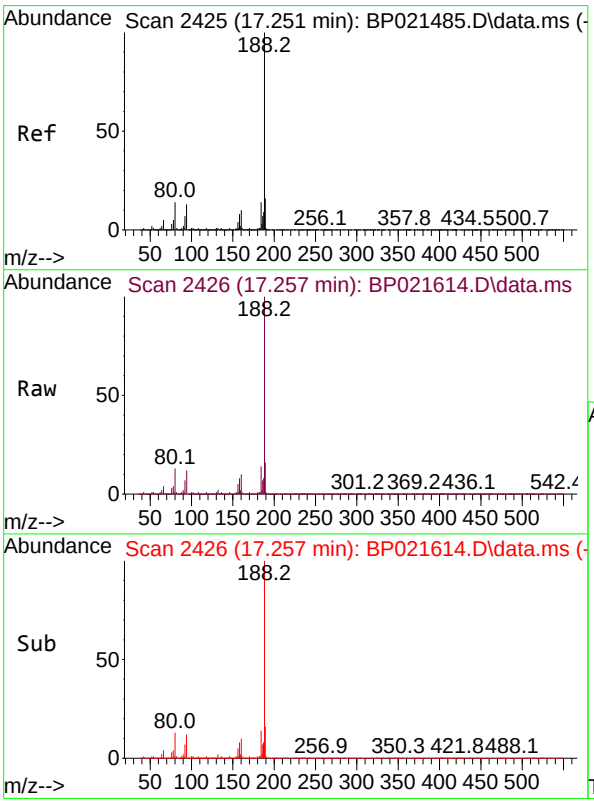
#58
Fluorene
Concen: 16.987 ng
RT: 15.516 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0-0.5-081924

Tgt Ion:166 Resp: 1072641

Ion	Ratio	Lower	Upper
166	100		
165	95.9	78.1	117.1
167	13.9	11.0	16.4

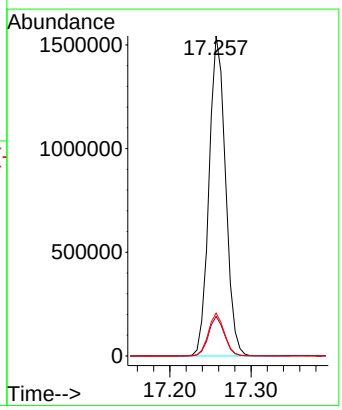


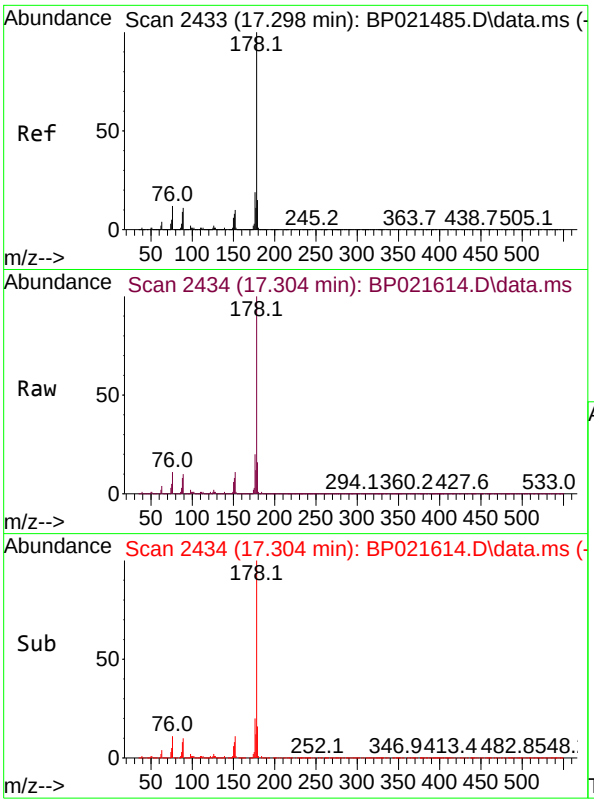


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Tgt Ion:188 Resp: 2172341

Ion	Ratio	Lower	Upper
188	100		
94	12.4	10.2	15.4
80	13.4	11.6	17.4



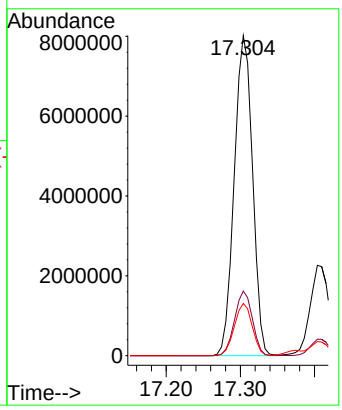


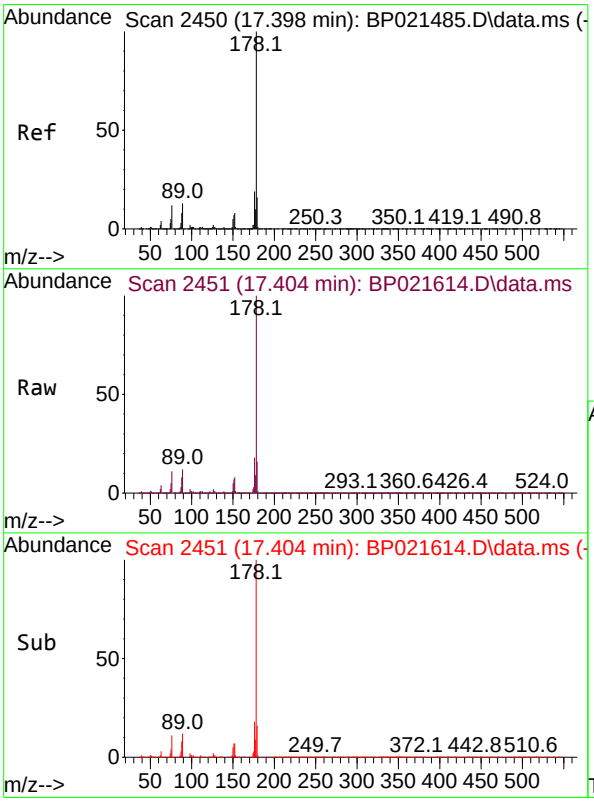
#71
Phenanthrene
Concen: 131.525 ng
RT: 17.304 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0-0.5-081924

Tgt Ion:178 Resp:13740803

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.4	23.2
179	16.3	12.4	18.6

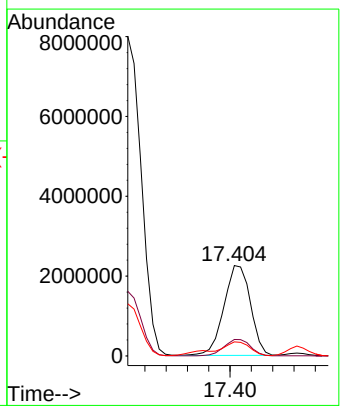


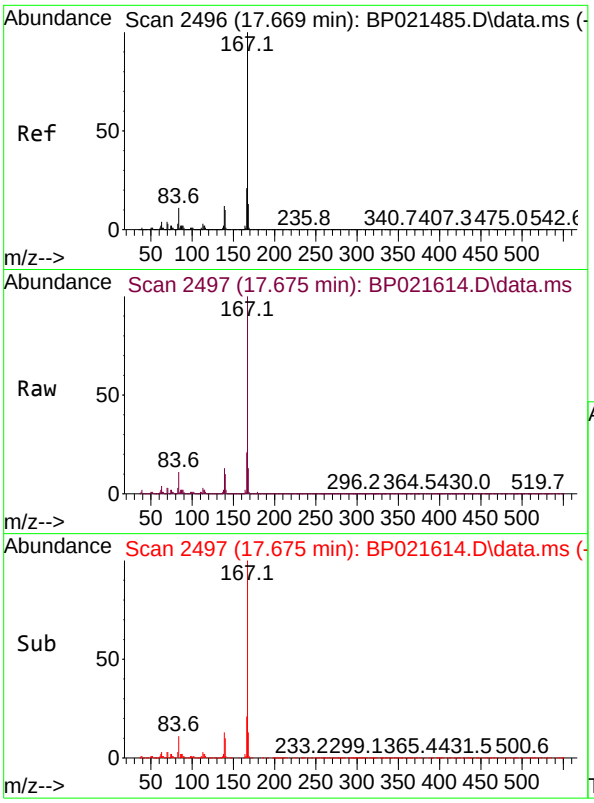


#72
Anthracene
Concen: 37.964 ng
RT: 17.404 min Scan# 2451
Delta R.T. 0.017 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Tgt Ion:178 Resp: 3889783

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.9	22.3
179	15.7	12.5	18.7



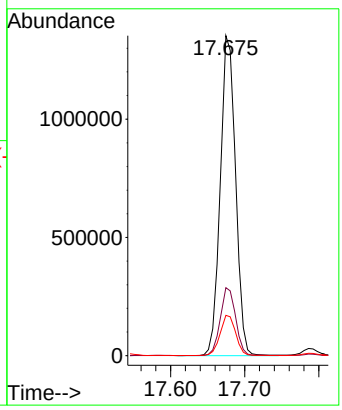


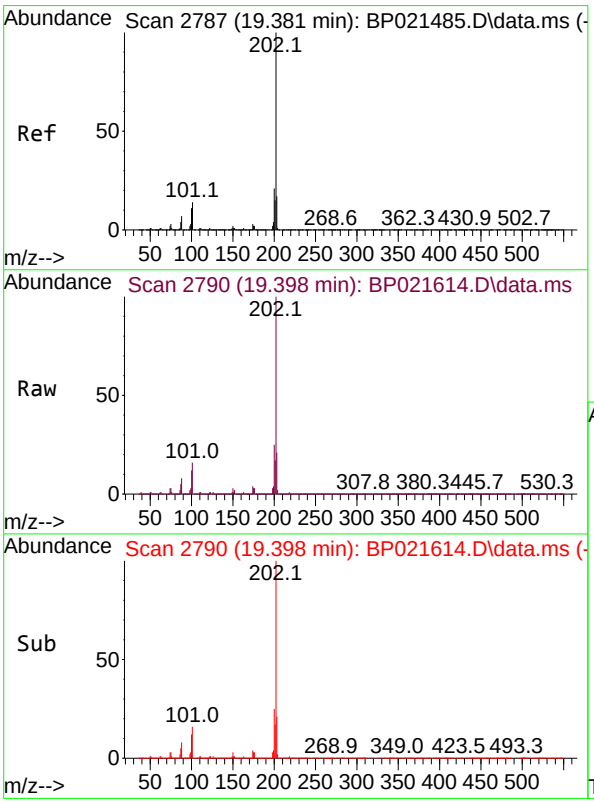
#73
Carbazole
Concen: 19.665 ng
RT: 17.675 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0-0.5-081924

Tgt Ion:167 Resp: 1941753

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.6	9.9	14.9

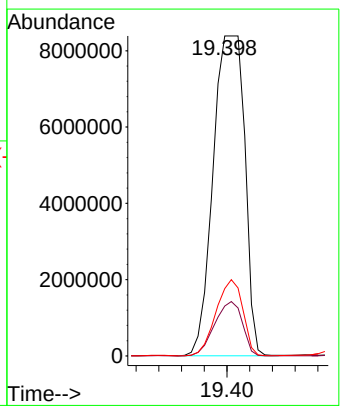


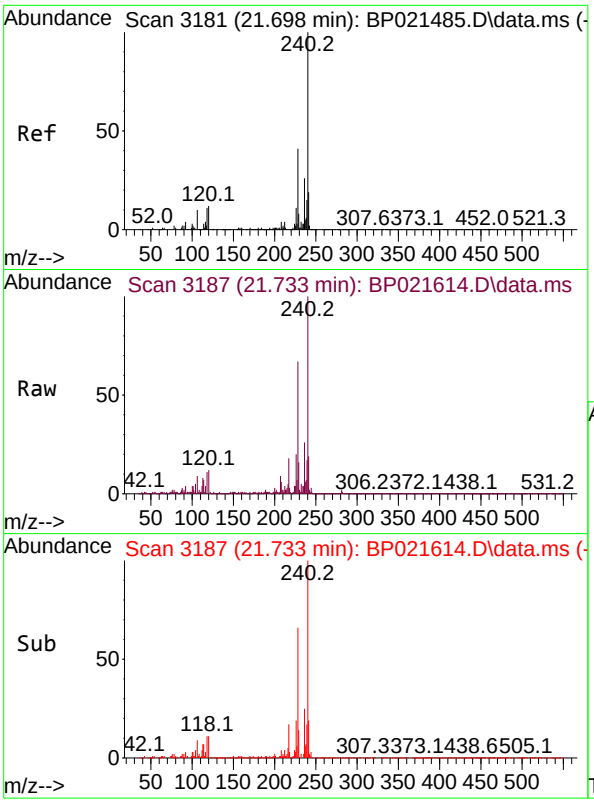


#75
Fluoranthene
Concen: 126.615 ng
RT: 19.398 min Scan# 2790
Delta R.T. 0.017 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Tgt Ion:202 Resp:16230305

Ion	Ratio	Lower	Upper
202	100		
101	15.6	0.0	34.0
203	21.0	0.0	37.5



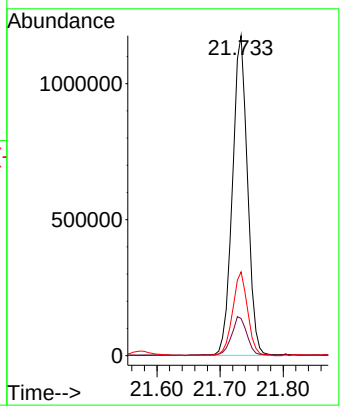


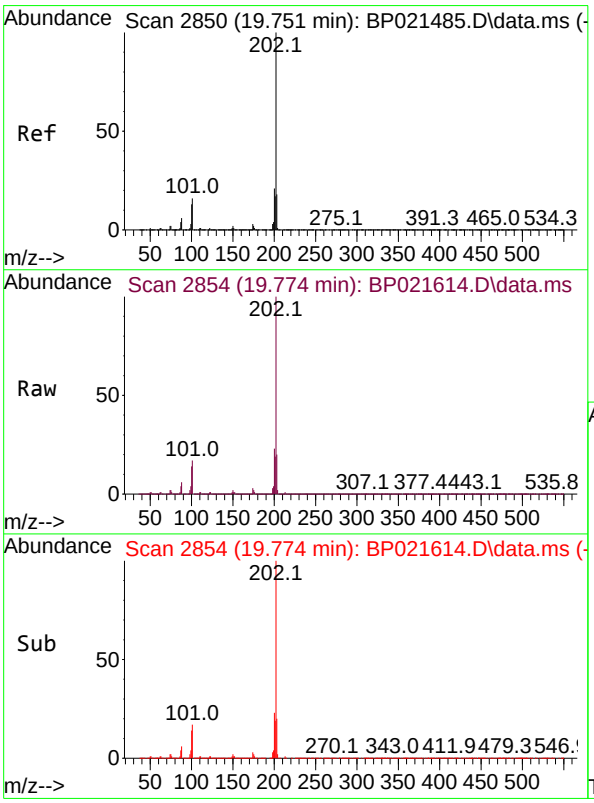
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.733 min Scan# 3
Delta R.T. 0.017 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0-0.5-081924

Tgt Ion:240 Resp: 1951332

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.9	14.9
236	26.2	20.6	30.8

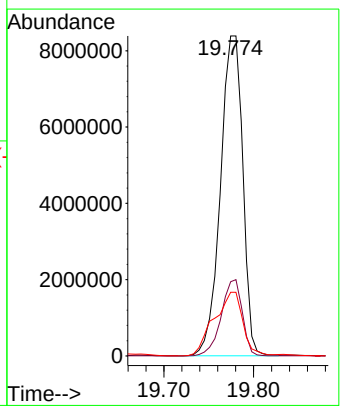


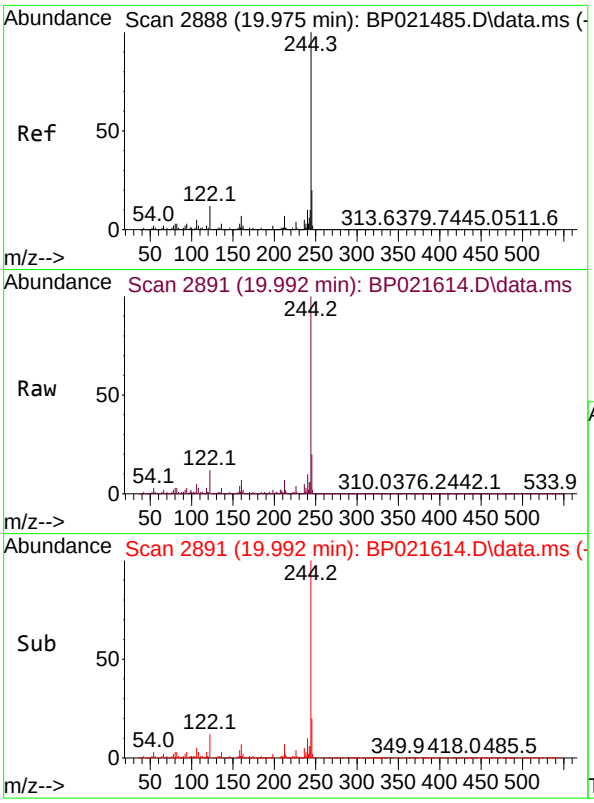


#78
Pyrene
Concen: 113.774 ng
RT: 19.774 min Scan# 2854
Delta R.T. 0.017 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Tgt Ion:202 Resp:14511086

Ion	Ratio	Lower	Upper
202	100		
200	23.2	16.7	25.1
203	19.9	14.1	21.1



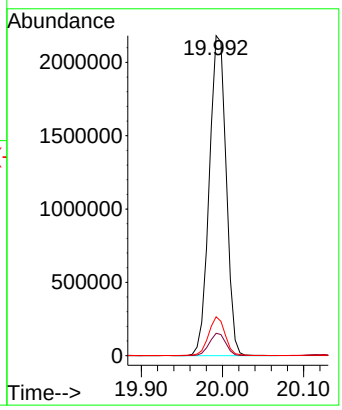


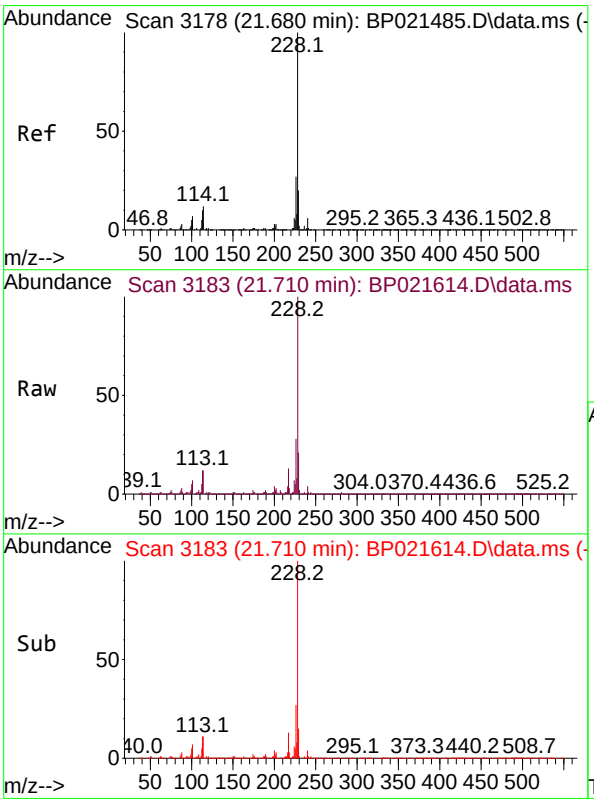
#79
Terphenyl-d14
Concen: 31.335 ng
RT: 19.992 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0-0.5-081924

Tgt Ion:244 Resp: 3147380

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	12.2	9.4	14.2

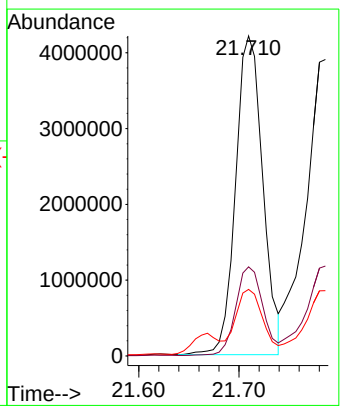


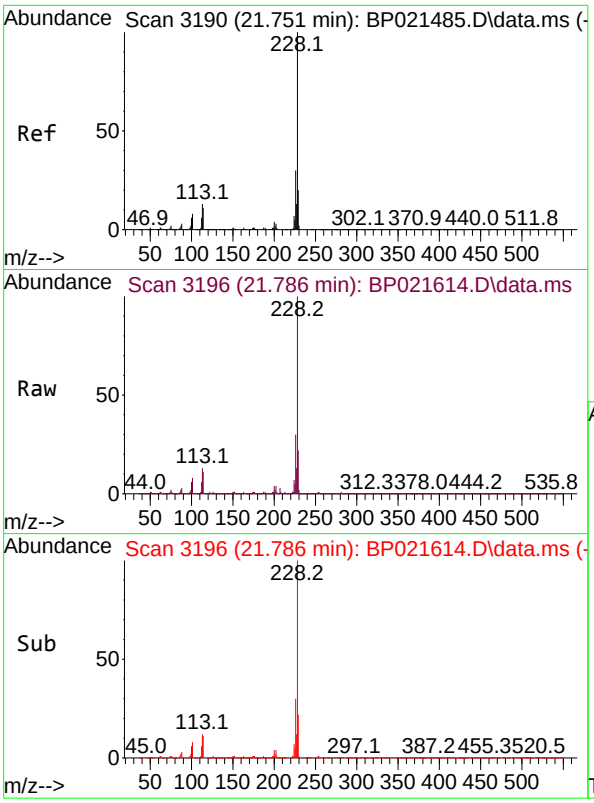


#81
Benzo(a)anthracene
Concen: 64.694 ng
RT: 21.710 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Tgt Ion:228 Resp: 7924848

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.4	32.2
229	20.8	15.8	23.6



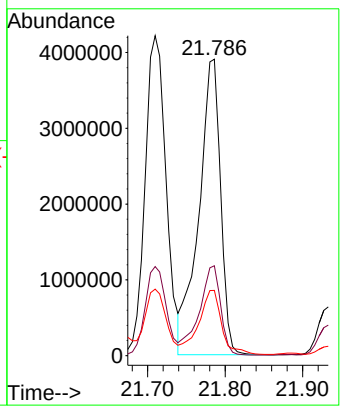


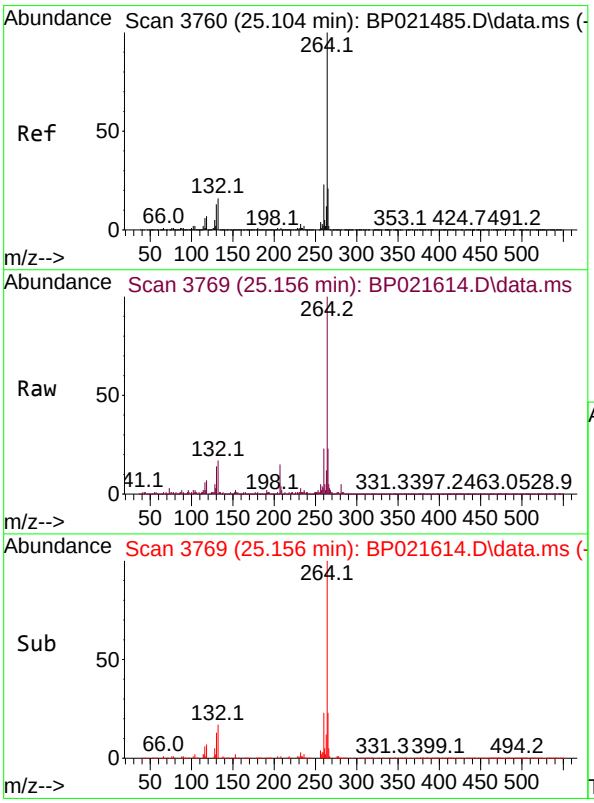
#83
Chrysene
Concen: 65.739 ng
RT: 21.786 min Scan# 3
Delta R.T. 0.017 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0-0.5-081924

Tgt Ion:228 Resp: 7603083

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	22.0	15.8	23.6

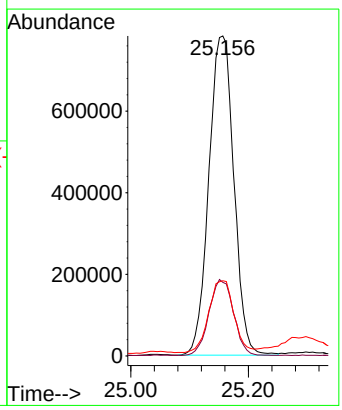


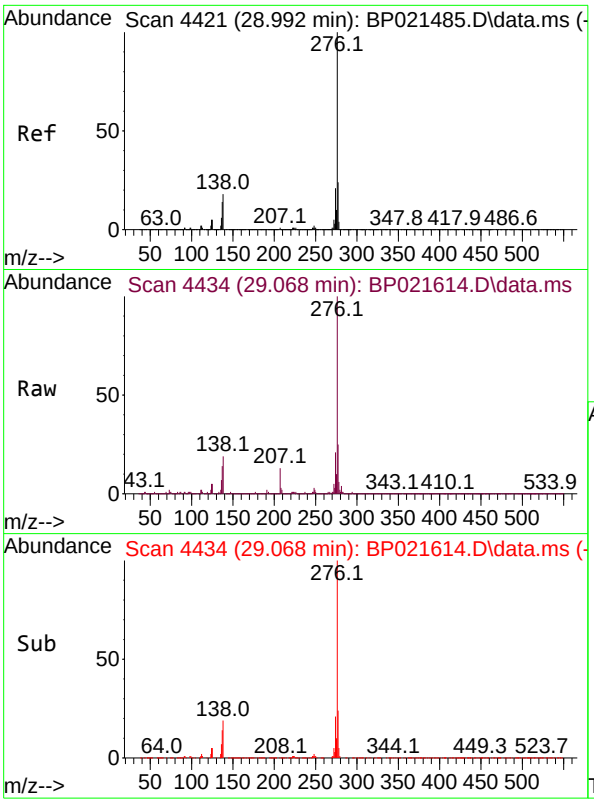


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.156 min Scan# 3769
Delta R.T. 0.006 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Tgt Ion:264 Resp: 2313524

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	23.5	17.1	25.7



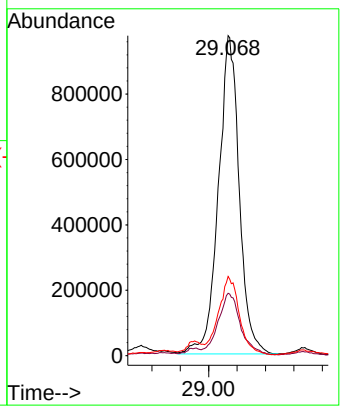


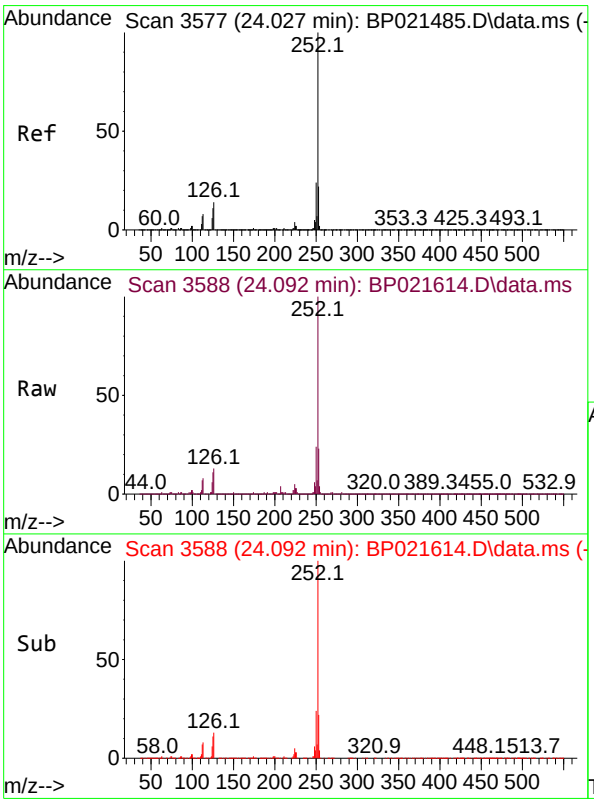
#87
Indeno(1,2,3-cd)pyrene
Concen: 33.020 ng
RT: 29.068 min Scan# 44
Delta R.T. 0.012 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0-0.5-081924

Tgt Ion:276 Resp: 4951827

Ion	Ratio	Lower	Upper
276	100		
138	20.8	12.8	19.2#
277	24.6	16.5	24.7

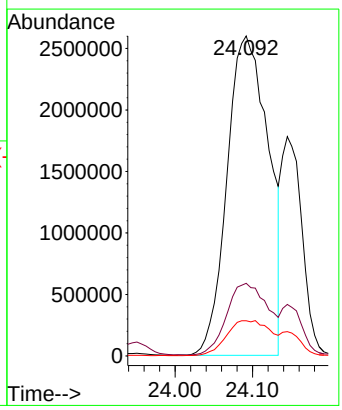


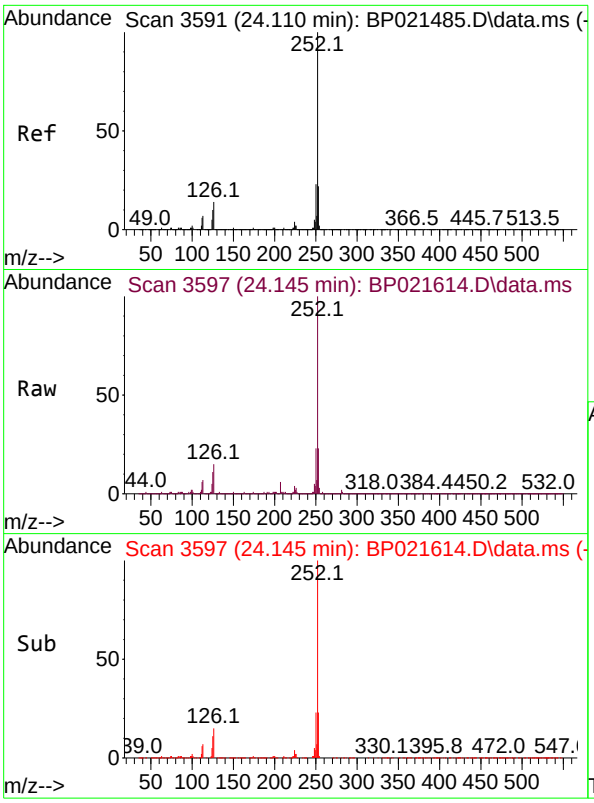


#88
Benzo(b)fluoranthene
Concen: 72.594 ng
RT: 24.092 min Scan# 3588
Delta R.T. 0.035 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Tgt Ion:252 Resp: 9645617

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	11.0	8.6	13.0



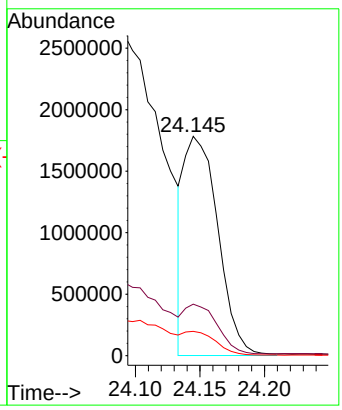


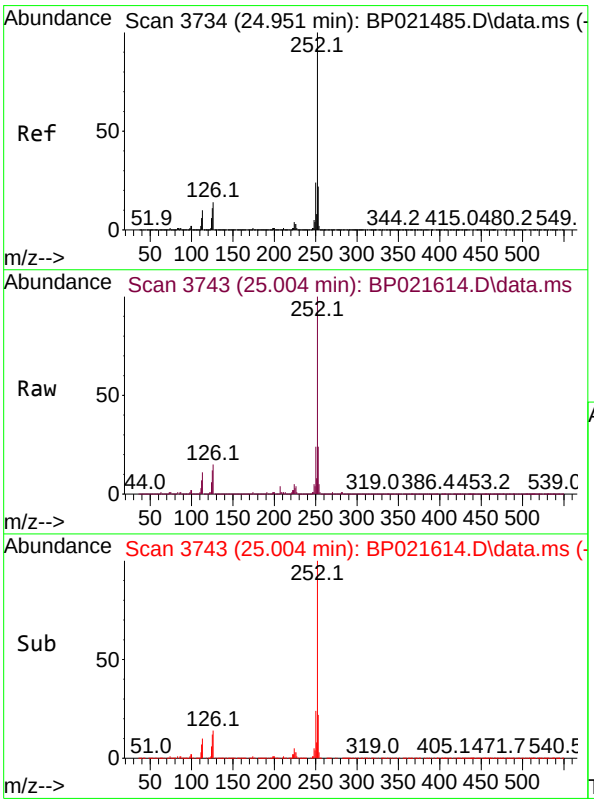
#89
Benzo(k)fluoranthene
Concen: 25.039 ng m
RT: 24.145 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0-0.5-081924

Tgt Ion:252 Resp: 3245482

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	11.1	7.8	11.8

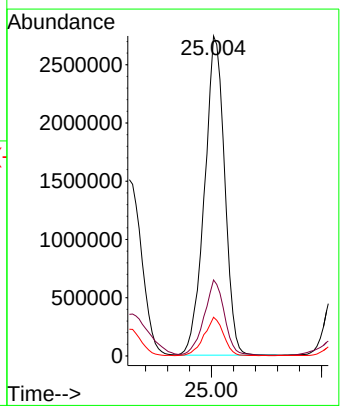


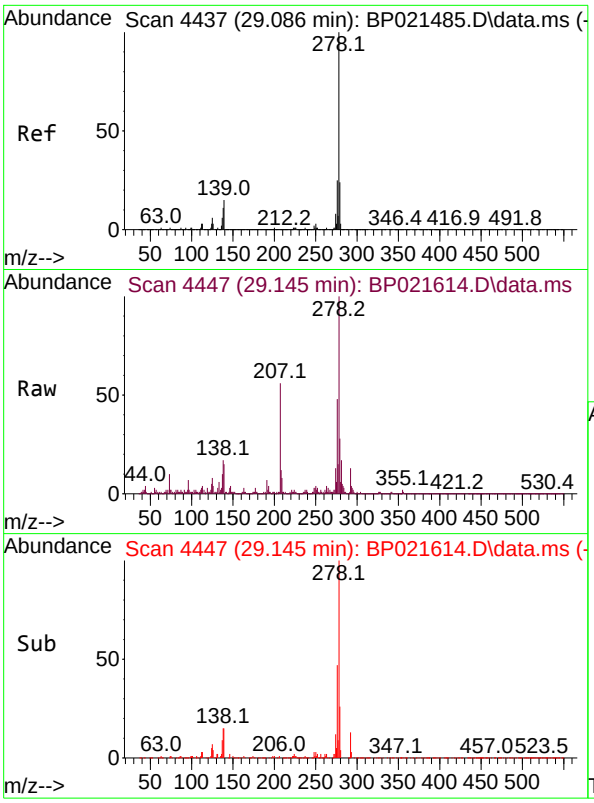


#90
Benzo(a)pyrene
Concen: 60.319 ng
RT: 25.004 min Scan# 3743
Delta R.T. 0.023 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Tgt Ion:252 Resp: 6955169

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.7	26.5
125	12.1	8.7	13.1



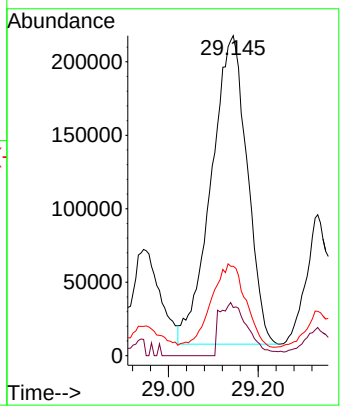


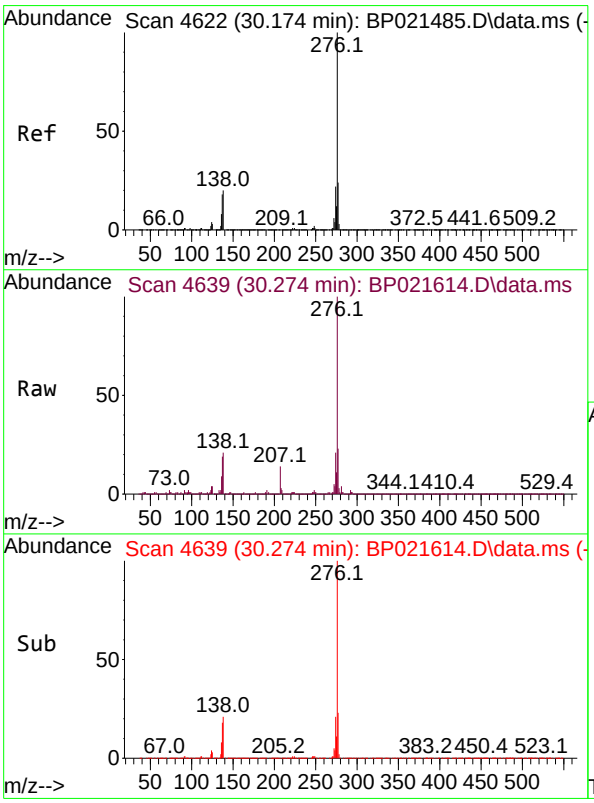
#91
Dibenzo(a,h)anthracene
Concen: 9.379 ng
RT: 29.145 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0-0.5-081924

Tgt Ion:278 Resp: 1168614

Ion	Ratio	Lower	Upper
278	100		
139	15.1	12.2	18.4
279	27.9	19.1	28.7

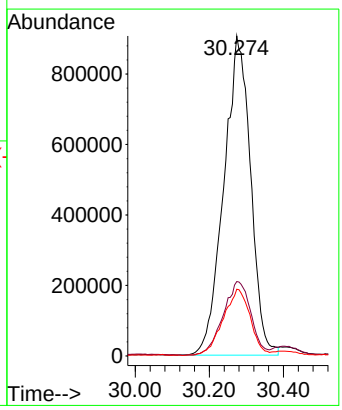




#92
Benzo(g,h,i)perylene
Concen: 36.380 ng
RT: 30.274 min Scan# 4639
Delta R.T. 0.012 min
Lab File: BP021614.D
Acq: 22 Aug 2024 15:04

Tgt Ion:276 Resp: 4543482

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.6
138	20.8	16.0	24.0



Raw Data: **BF139161.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-904-J-SO-0-0.5-081924DL	SDG No.:	P3671
Lab Sample ID:	P3671-01DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	71.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139161.D	5	08/21/24 08:50	08/26/24 10:51	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	560	UD	560	1200	ug/Kg
100-52-7	Benzaldehyde	1300	UD	1300	2300	ug/Kg
95-48-7	2-Methylphenol	560	UD	560	1200	ug/Kg
65794-96-9	3+4-Methylphenols	560	UD	560	2300	ug/Kg
67-72-1	Hexachloroethane	580	UD	580	1200	ug/Kg
98-95-3	Nitrobenzene	640	UD	640	1200	ug/Kg
91-20-3	Naphthalene	580	UD	580	1200	ug/Kg
87-68-3	Hexachlorobutadiene	580	UD	580	1200	ug/Kg
91-57-6	2-Methylnaphthalene	580	UD	580	1200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	500	UD	500	1200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	520	UD	520	1200	ug/Kg
208-96-8	Acenaphthylene	610	UD	610	1200	ug/Kg
83-32-9	Acenaphthene	790	JD	570	1200	ug/Kg
132-64-9	Dibenzofuran	590	UD	590	1200	ug/Kg
121-14-2	2,4-Dinitrotoluene	600	UD	600	1200	ug/Kg
86-73-7	Fluorene	930	JD	600	1200	ug/Kg
118-74-1	Hexachlorobenzene	600	UD	600	1200	ug/Kg
87-86-5	Pentachlorophenol	540	UD	540	2300	ug/Kg
85-01-8	Phenanthrene	8200	D	590	1200	ug/Kg
120-12-7	Anthracene	2200	D	590	1200	ug/Kg
86-74-8	Carbazole	910	JD	560	1200	ug/Kg
84-74-2	Di-n-butylphthalate	590	UD	590	1200	ug/Kg
206-44-0	Fluoranthene	7700	D	570	1200	ug/Kg
129-00-0	Pyrene	7300	D	580	1200	ug/Kg
56-55-3	Benzo(a)anthracene	3700	D	570	1200	ug/Kg
218-01-9	Chrysene	3700	D	560	1200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	640	UD	640	1200	ug/Kg
205-99-2	Benzo(b)fluoranthene	3800	D	570	1200	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400	D	580	1200	ug/Kg

Raw Data: **BF139161.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-904-J-SO-0-0.5-081924DL	SDG No.:	P3671
Lab Sample ID:	P3671-01DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	71.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139161.D	5	08/21/24 08:50	08/26/24 10:51	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
50-32-8	Benzo(a)pyrene	3300	D	650	1200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500	D	550	1200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	570	UD	570	1200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2100	D	560	1200	ug/Kg
123-91-1	1,4-Dioxane	770	UD	770	1200	ug/Kg
90-12-0	1-Methylnaphthalene	580	UD	580	1200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	73.3		30 (18) - 130 (112)	49%	SPK: 150
13127-88-3	Phenol-d6	77.7		30 (15) - 130 (107)	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.4		30 (18) - 130 (107)	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.1		30 (20) - 130 (109)	45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.7		30 (10) - 130 (116)	46%	SPK: 150
1718-51-0	Terphenyl-d14	40.6		30 (10) - 130 (105)	41%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	92500	6.898			
1146-65-2	Naphthalene-d8	348000	8.181			
15067-26-2	Acenaphthene-d10	199000	9.933			
1517-22-2	Phenanthrene-d10	323000	11.422			
1719-03-5	Chrysene-d12	172000	14.057			
1520-96-3	Perylene-d12	177000	15.539			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **BF139161.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082624\
Data File : BF139161.D
Acq On : 26 Aug 2024 10:51
Operator : RC/JU
Sample : P3671-01DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

Quant Time: Aug 26 11:16:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	92486	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	347656	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	198607	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	323380	20.000	ng	0.00
76) Chrysene-d12	14.057	240	172392	20.000	ng	0.00
86) Perylene-d12	15.539	264	177359	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	88103	14.656	ng	0.00
7) Phenol-d6	6.510	99	120677	15.536	ng	-0.01
23) Nitrobenzene-d5	7.451	82	76854	12.881	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	24692	13.733	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	112862	9.016	ng	0.00
79) Terphenyl-d14	13.004	244	84461	8.129	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.963	154	35244	3.369	ng	96
55) Dibenzofuran	10.133	168	33138	2.181	ng	97
58) Fluorene	10.480	166	48410	3.987	ng	97
71) Phenanthrene	11.445	178	573880	34.914	ng	99
72) Anthracene	11.492	178	150468	9.361	ng	99
73) Carbazole	11.645	167	58690	3.910	ng	99
75) Fluoranthene	12.633	202	578748	32.989	ng	99
78) Pyrene	12.863	202	451379	31.375	ng	99
81) Benzo(a)anthracene	14.045	228	179666	15.854	ng	98
83) Chrysene	14.080	228	162868	15.856	ng	98
87) Indeno(1,2,3-cd)pyrene	17.015	276	67511	6.504	ng	97
88) Benzo(b)fluoranthene	15.104	252	186295m	16.112	ng	
89) Benzo(k)fluoranthene	15.121	252	58703m	6.096	ng	
90) Benzo(a)pyrene	15.474	252	128903	14.109	ng	98
92) Benzo(g,h,i)perylene	17.462	276	62516	8.842	ng	99

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

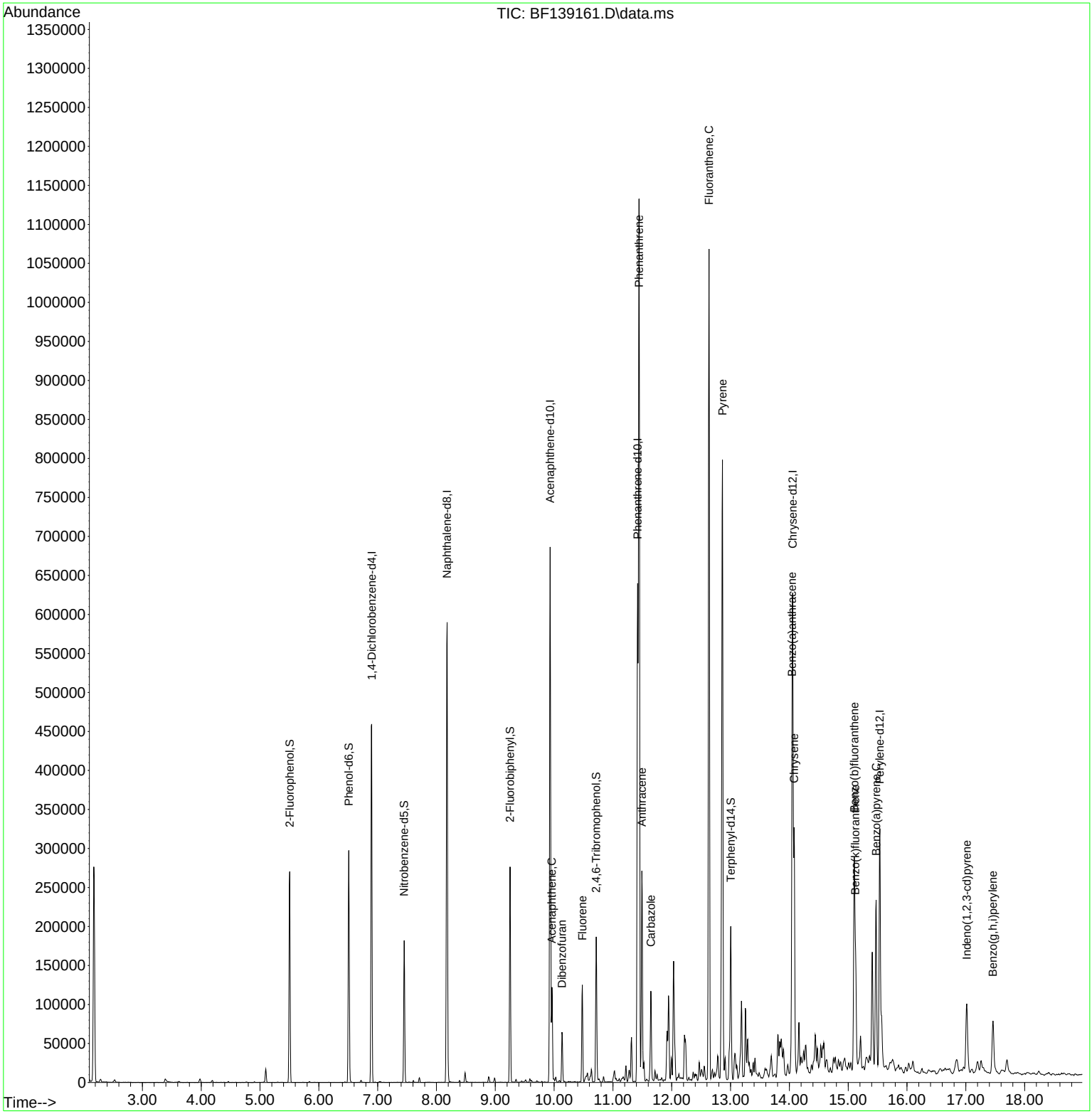
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082624\
Data File : BF139161.D
Acq On : 26 Aug 2024 10:51
Operator : RC/JU
Sample : P3671-01DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

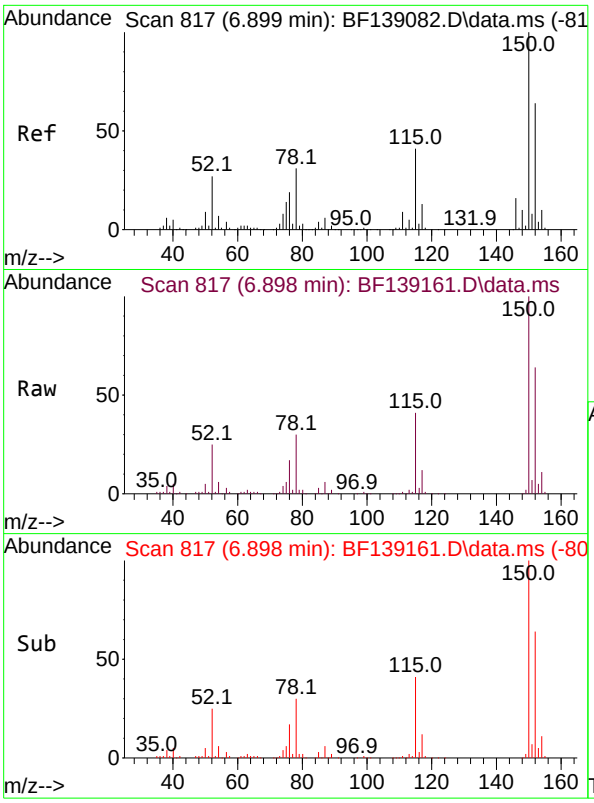
Quant Time: Aug 26 11:16:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

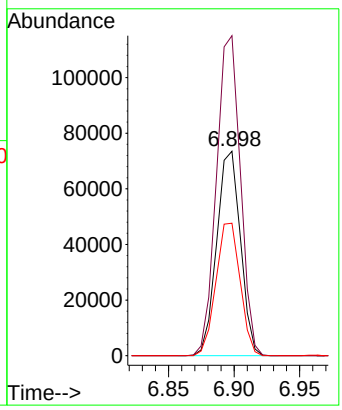




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:152 Resp: 9248

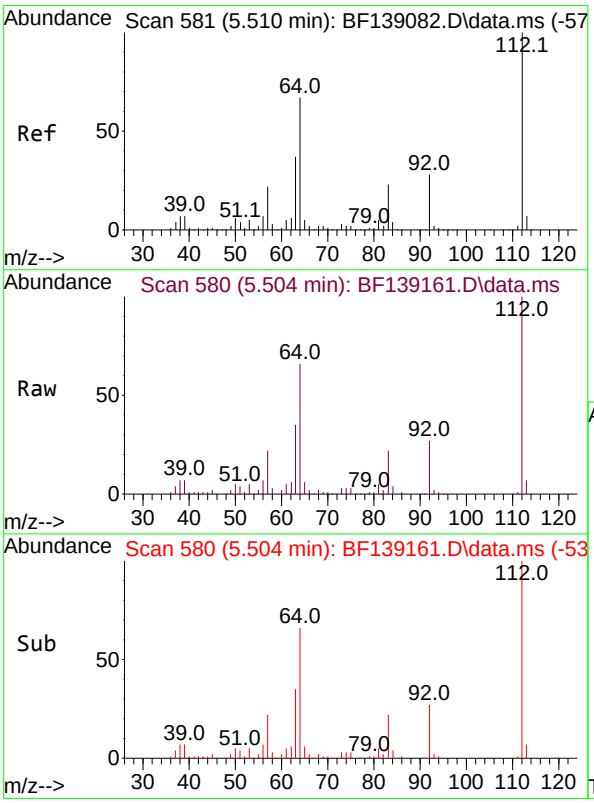
Ion	Ratio	Lower	Upper
152	100		
150	156.5	125.1	187.7
115	64.8	51.8	77.6



Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

Manual Integrations
APPROVED

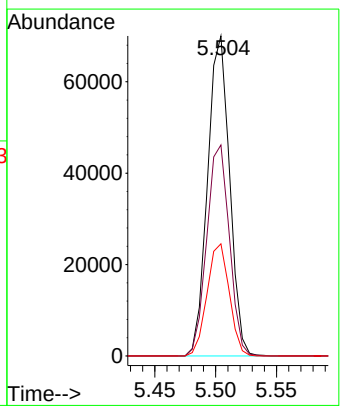
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

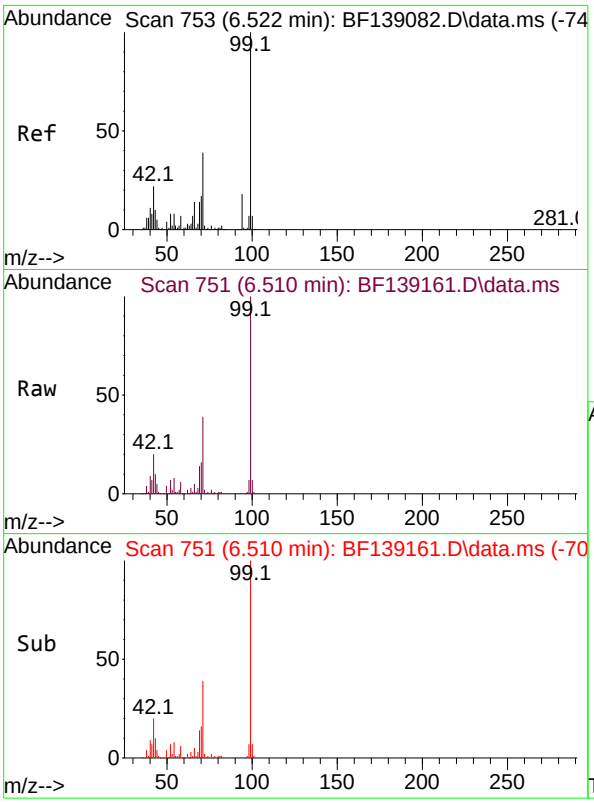


#5
2-Fluorophenol
Concen: 14.656 ng
RT: 5.504 min Scan# 580
Delta R.T. -0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:112 Resp: 88103

Ion	Ratio	Lower	Upper
112	100		
64	66.0	53.8	80.6
63	35.0	29.4	44.2

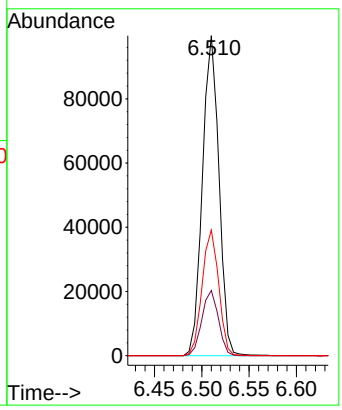




#7
Phenol-d6
Concen: 15.536 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion: 99 Resp: 12067

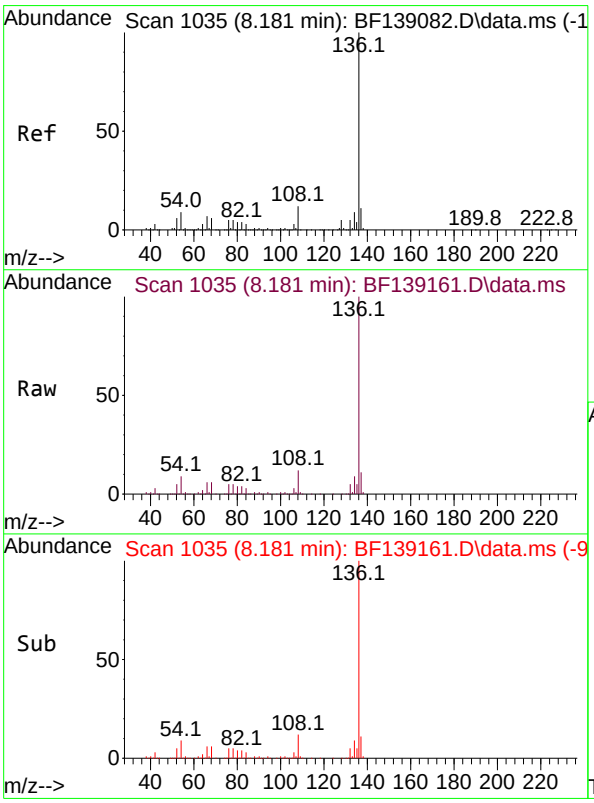
Ion	Ratio	Lower	Upper
99	100		
42	20.3	17.4	26.2
71	39.3	31.2	46.8



Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

Manual Integrations
APPROVED

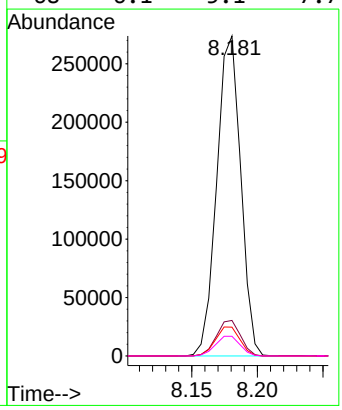
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

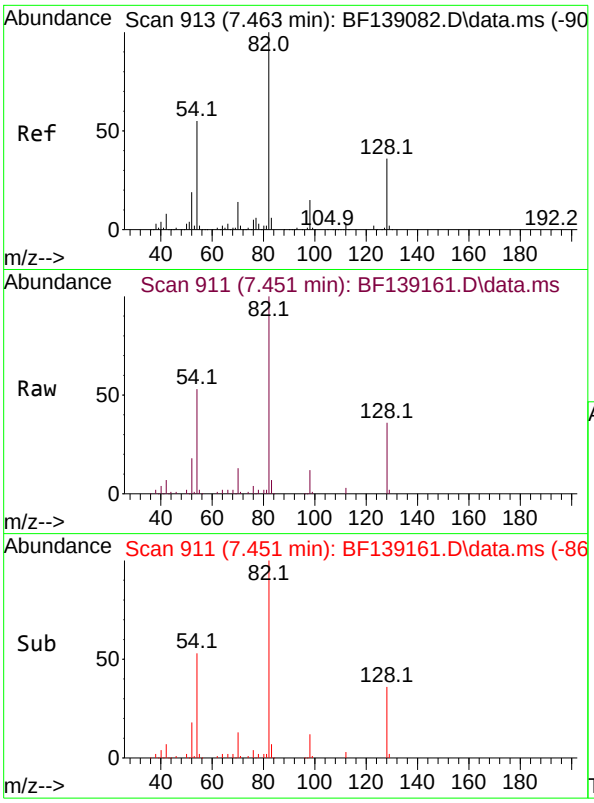


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:136 Resp: 347656

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	9.0	7.6	11.4
68	6.1	5.1	7.7





#23
Nitrobenzene-d5
Concen: 12.881 ng
RT: 7.451 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

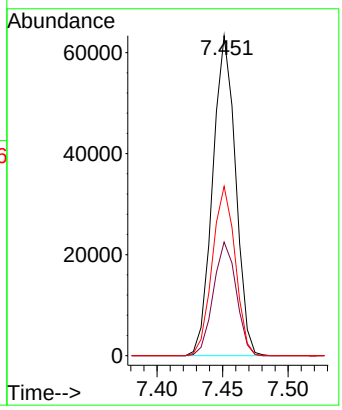
Tgt Ion: 82 Resp: 7685

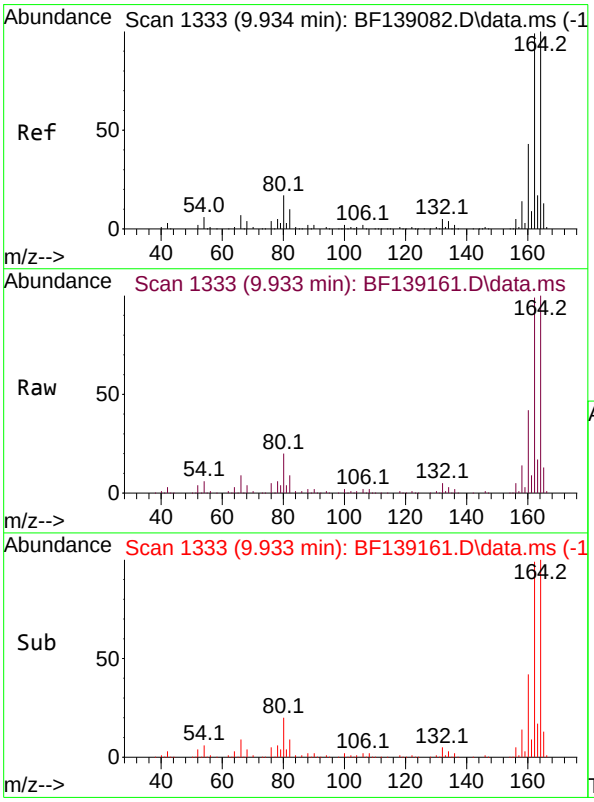
Ion	Ratio	Lower	Upper
82	100		
128	35.5	29.0	43.4
54	52.9	43.4	65.2

Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

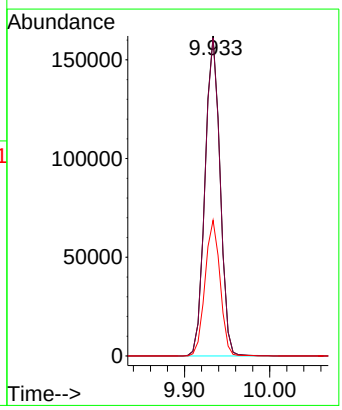


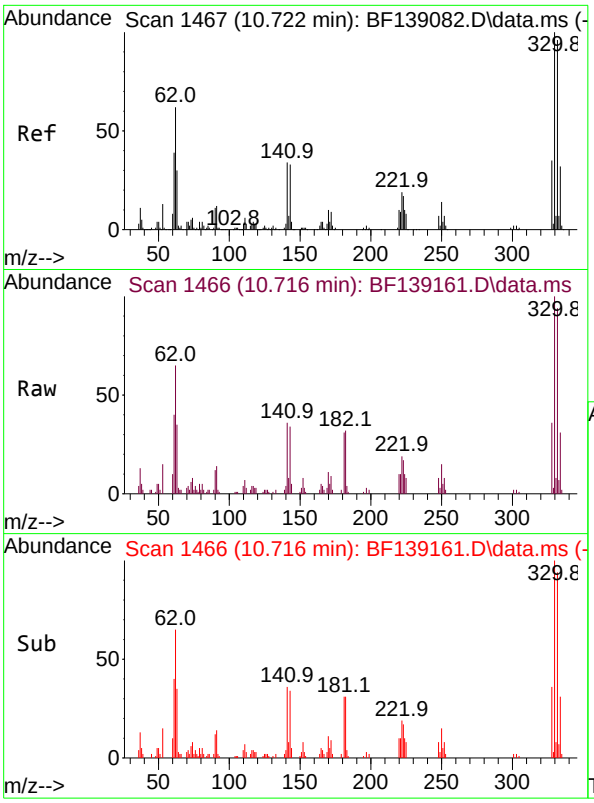


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1333
Delta R.T. -0.001 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:164 Resp: 198607

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.5	119.3
160	42.4	34.5	51.7

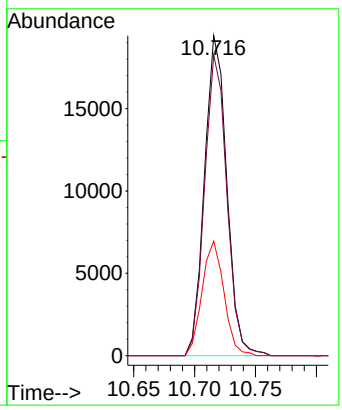




#42
2,4,6-Tribromophenol
Concen: 13.733 ng
RT: 10.716 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:330 Resp: 2469

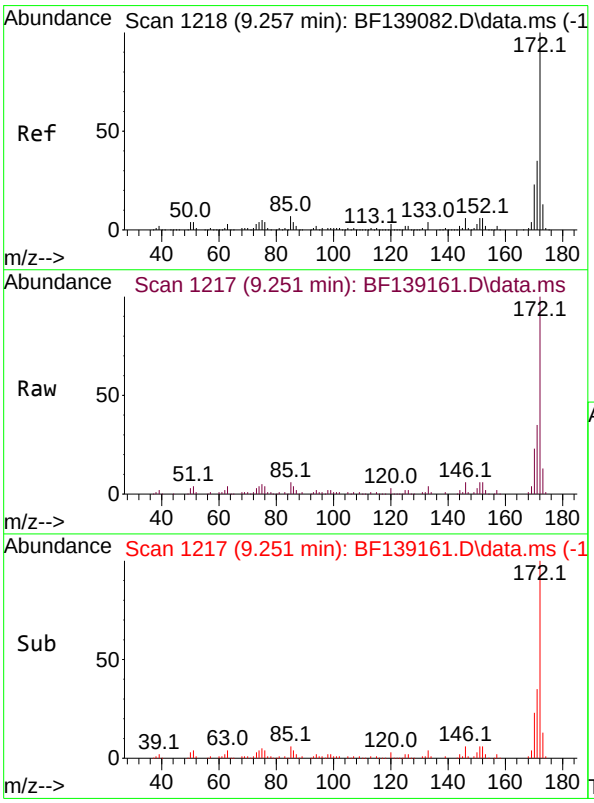
Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.0	115.6
141	35.2	27.5	41.3



Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

Manual Integrations
APPROVED

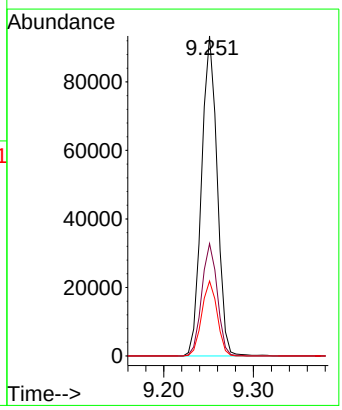
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

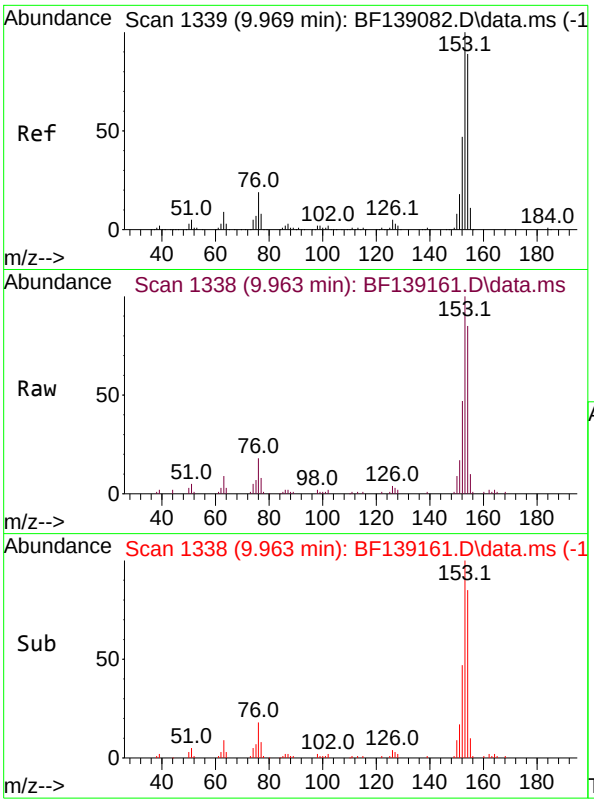


#45
2-Fluorobiphenyl
Concen: 9.016 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:172 Resp: 112862

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.4	42.6
170	23.4	18.8	28.2

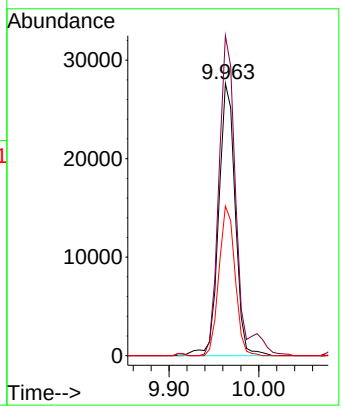




#52
Acenaphthene
Concen: 3.369 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:154 Resp: 3524

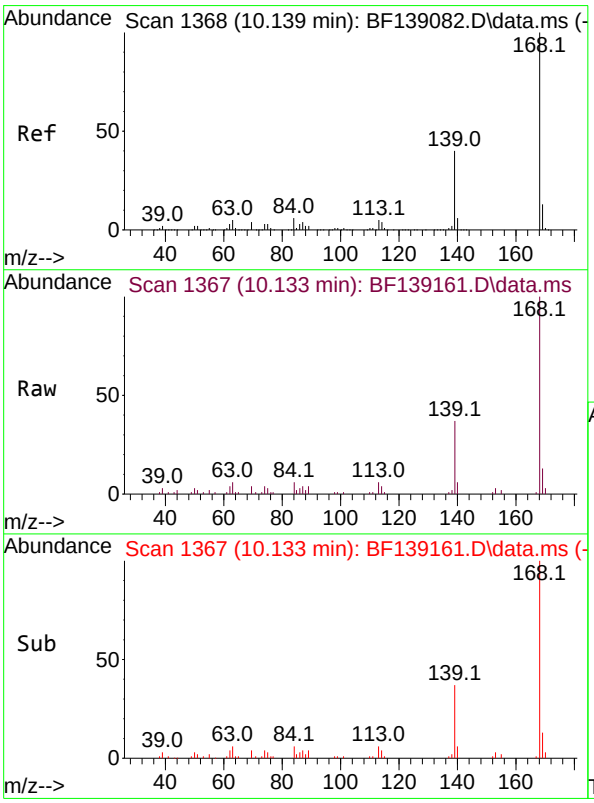
Ion	Ratio	Lower	Upper
154	100		
153	117.5	89.7	134.5
152	54.9	42.3	63.5



Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

Manual Integrations
APPROVED

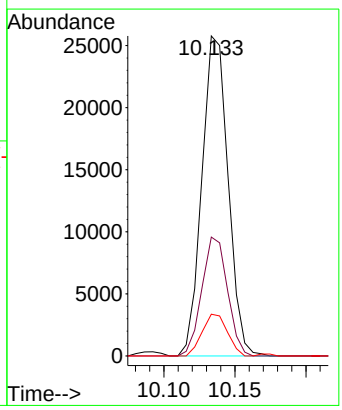
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

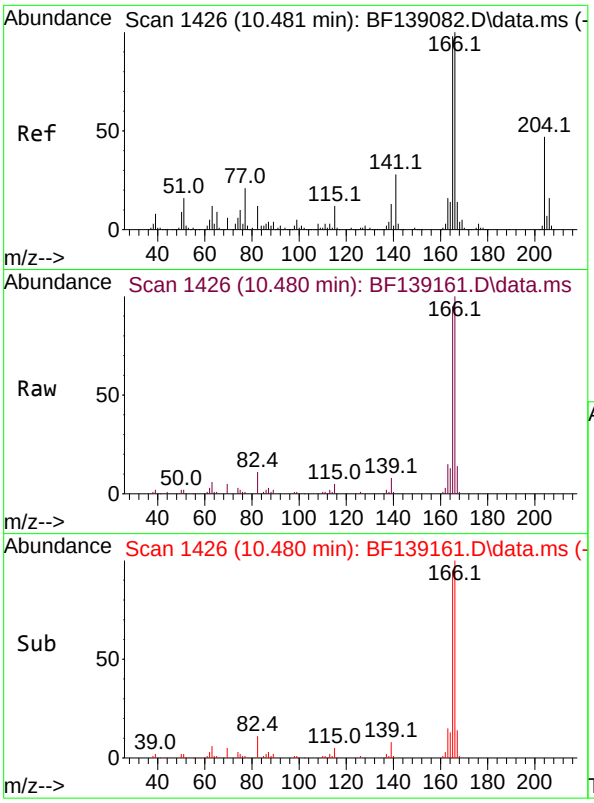


#55
Dibenzofuran
Concen: 2.181 ng
RT: 10.133 min Scan# 1367
Delta R.T. -0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:168 Resp: 33138

Ion	Ratio	Lower	Upper
168	100		
139	37.1	31.6	47.4
169	13.0	10.7	16.1





#58
Fluorene
Concen: 3.987 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

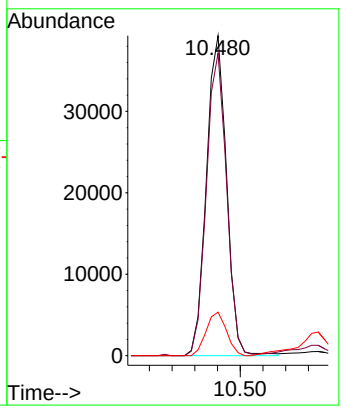
Tgt Ion:166 Resp: 4841

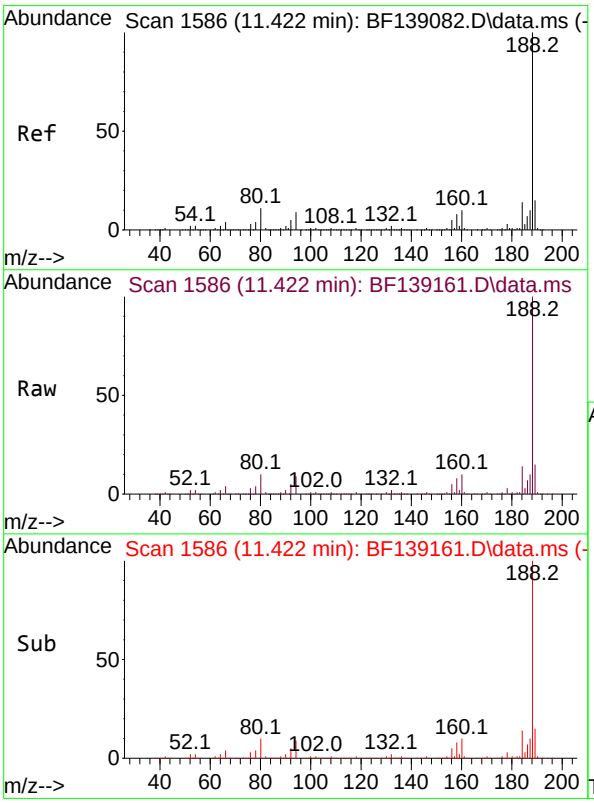
Ion	Ratio	Lower	Upper
166	100		
165	94.5	78.0	117.0
167	13.6	11.0	16.4

Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

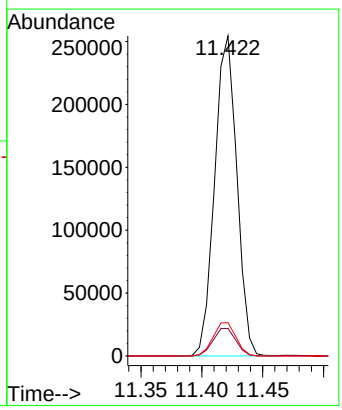


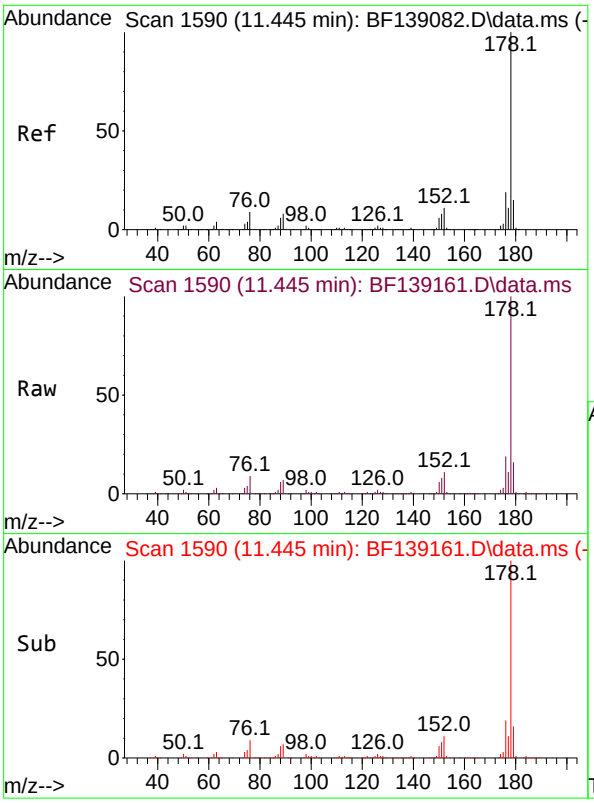


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:188 Resp: 323380

Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.2	10.8
80	10.4	8.5	12.7

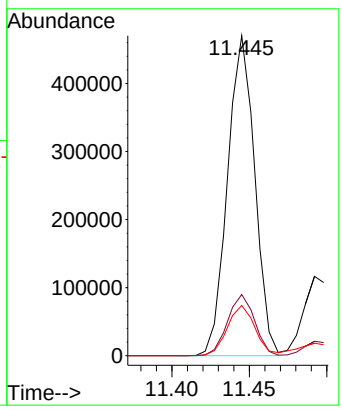




#71
Phenanthrene
Concen: 34.914 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:178 Resp: 57388

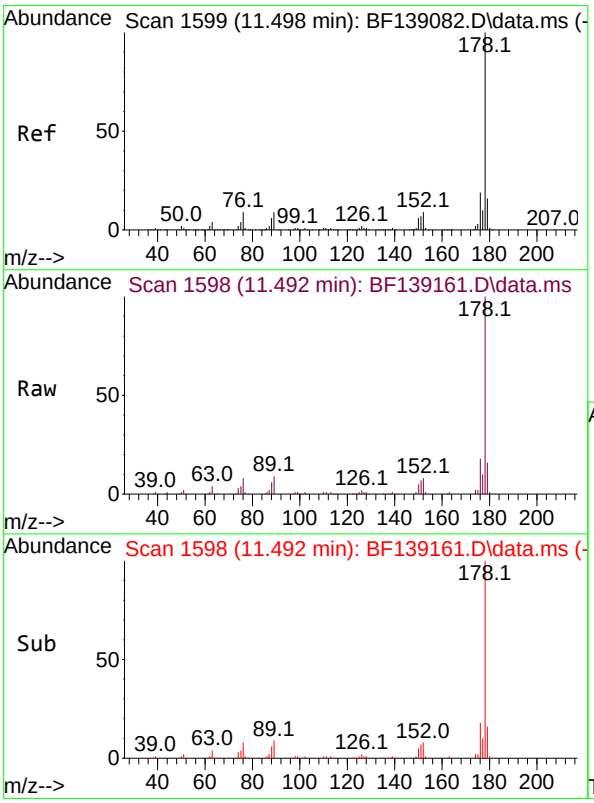
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.7	12.3	18.5



Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

Manual Integrations
APPROVED

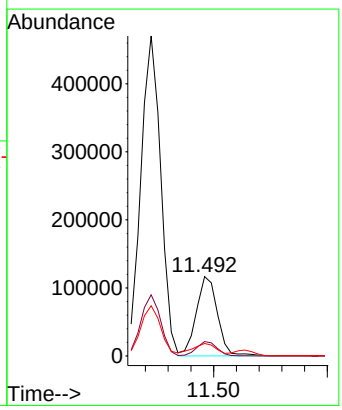
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

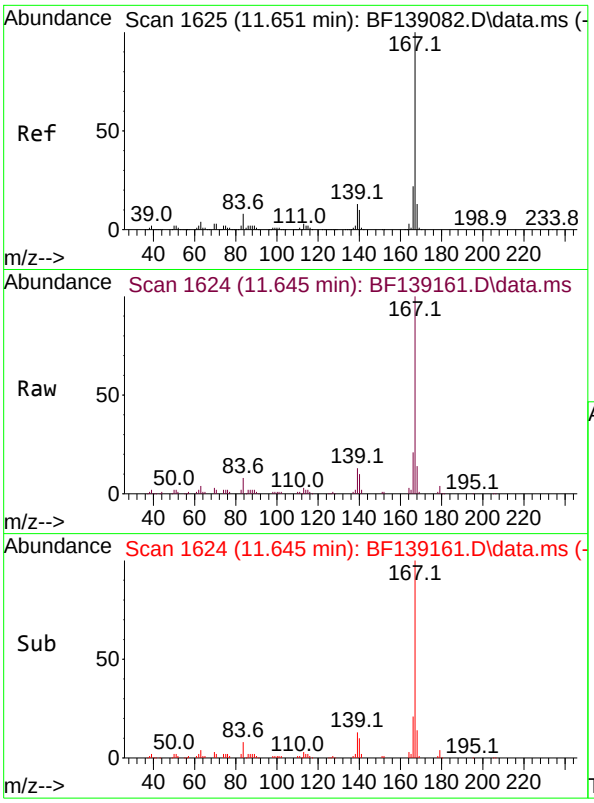


#72
Anthracene
Concen: 9.361 ng
RT: 11.492 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:178 Resp: 150468

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.4
179	15.7	12.4	18.6

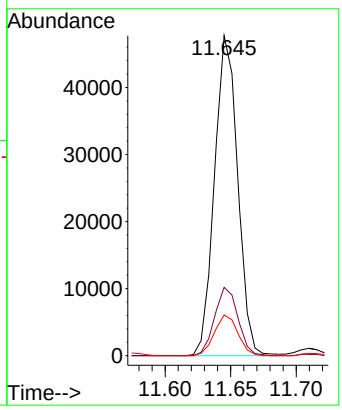




#73
Carbazole
Concen: 3.910 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:167 Resp: 5869

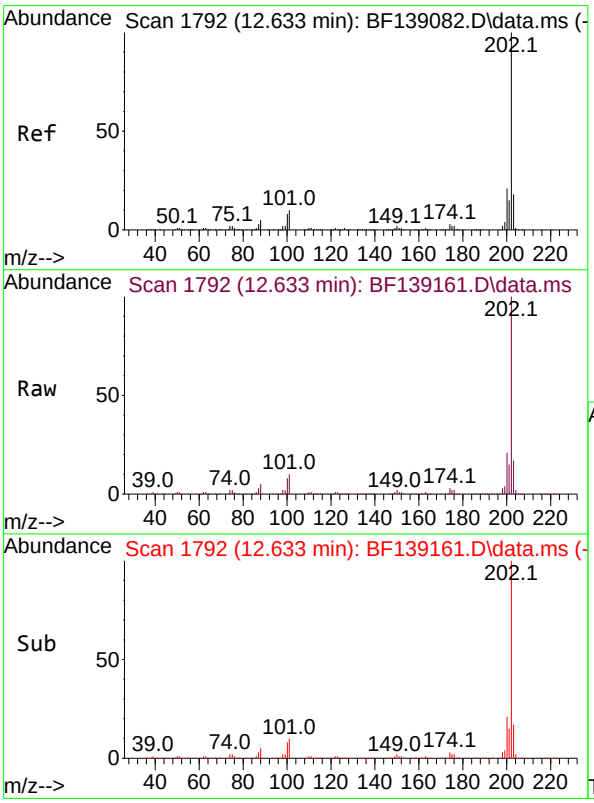
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.3	25.9
139	12.7	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

Manual Integrations
APPROVED

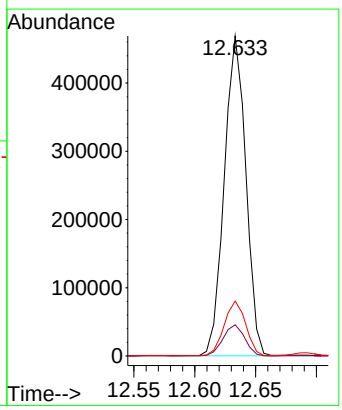
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

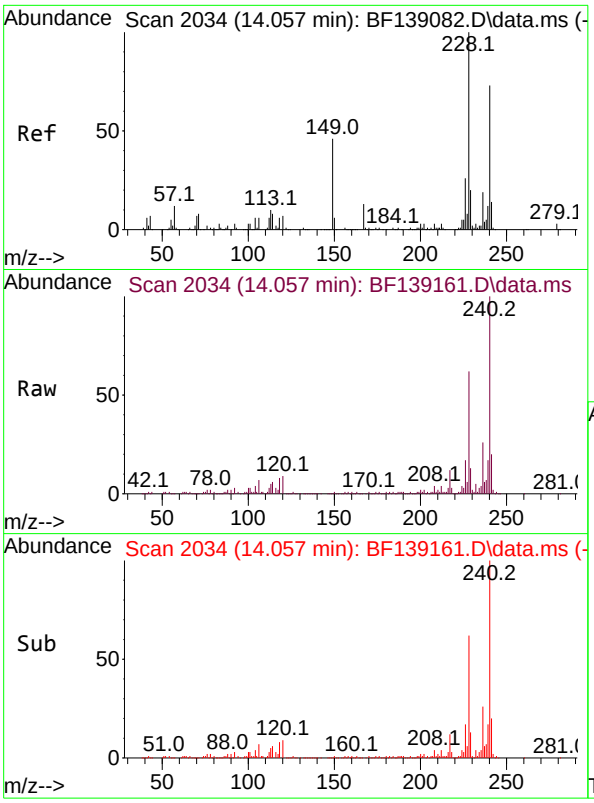


#75
Fluoranthene
Concen: 32.989 ng
RT: 12.633 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:202 Resp: 578748

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.2
203	17.2	0.0	37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

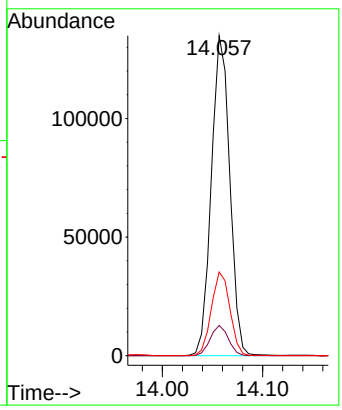
Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

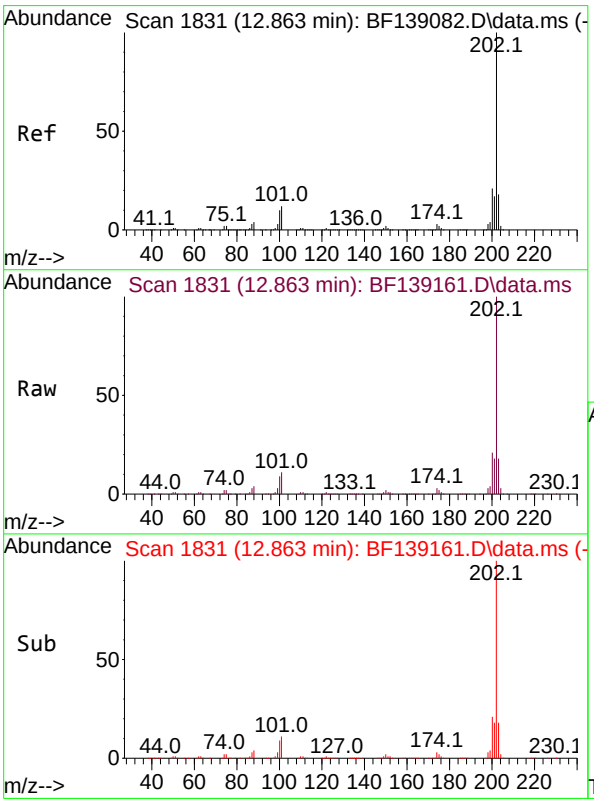
Tgt Ion:240 Resp: 17239

Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.8	11.6
236	26.2	20.9	31.3

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

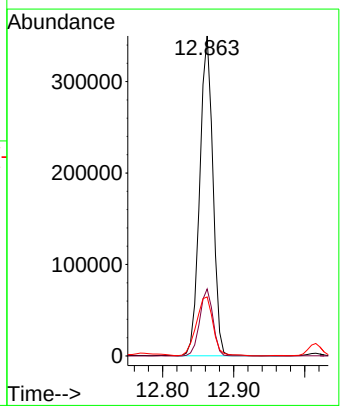


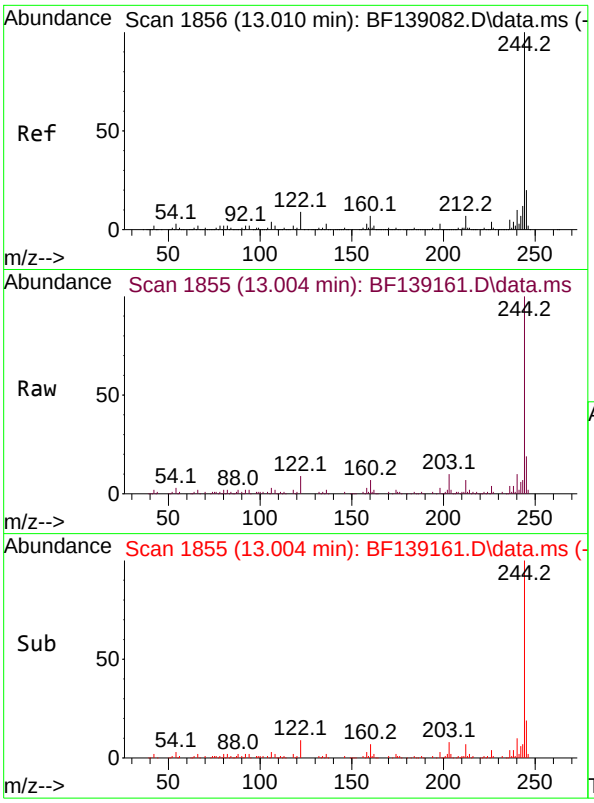


#78
Pyrene
Concen: 31.375 ng
RT: 12.863 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:202 Resp: 451379

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.6
203	18.5	14.1	21.1

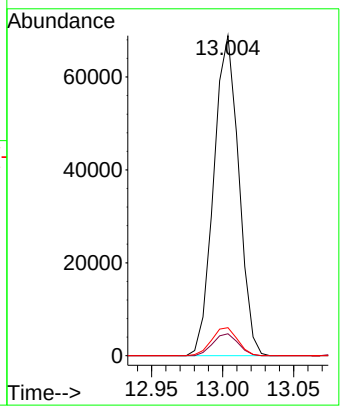




#79
Terphenyl-d14
Concen: 8.129 ng
RT: 13.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:244 Resp: 8446

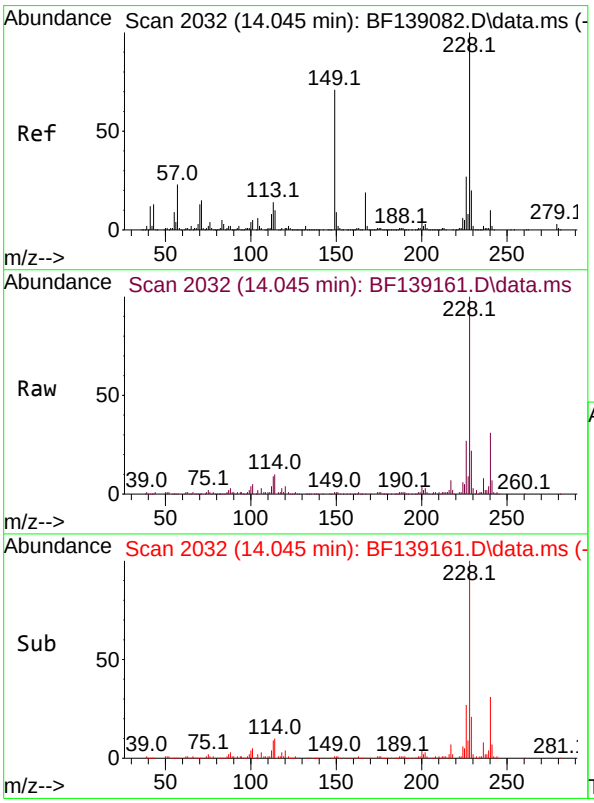
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	8.8	7.6	11.4



Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

Manual Integrations
APPROVED

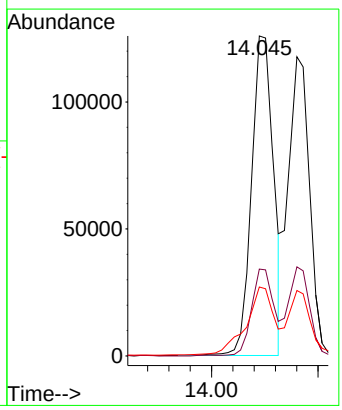
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

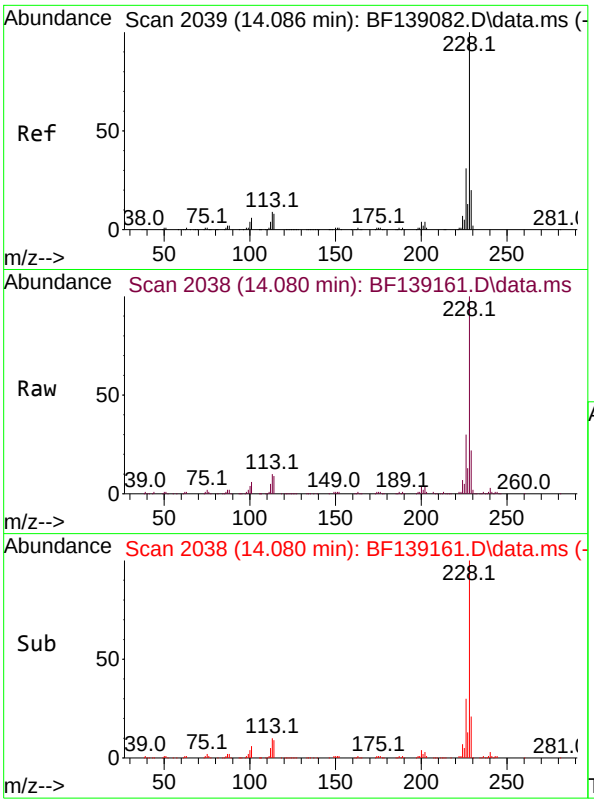


#81
Benzo(a)anthracene
Concen: 15.854 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:228 Resp: 179666

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	21.5	16.1	24.1





#83
Chrysene
Concen: 15.856 ng
RT: 14.080 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

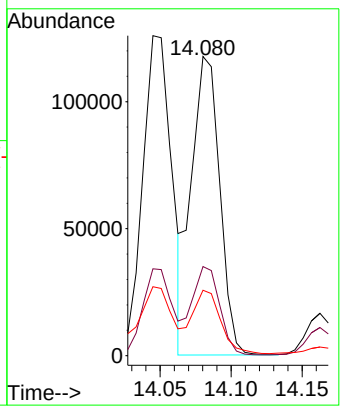
Tgt Ion:228 Resp: 16286

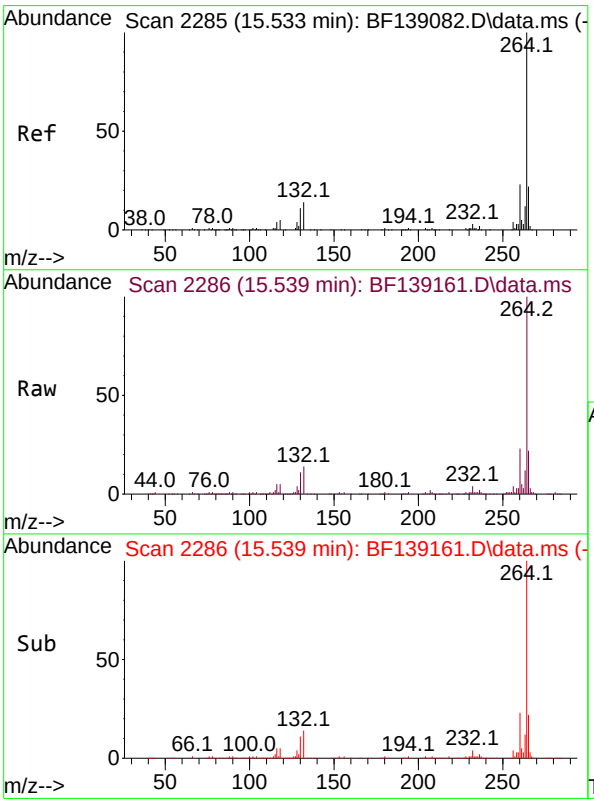
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.3	36.5
229	21.9	15.8	23.8

Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

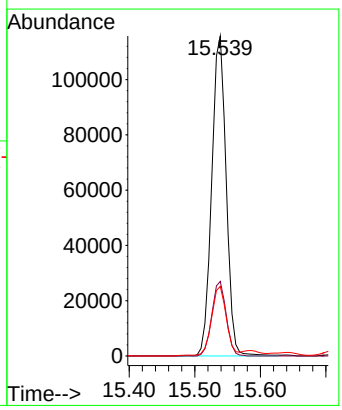


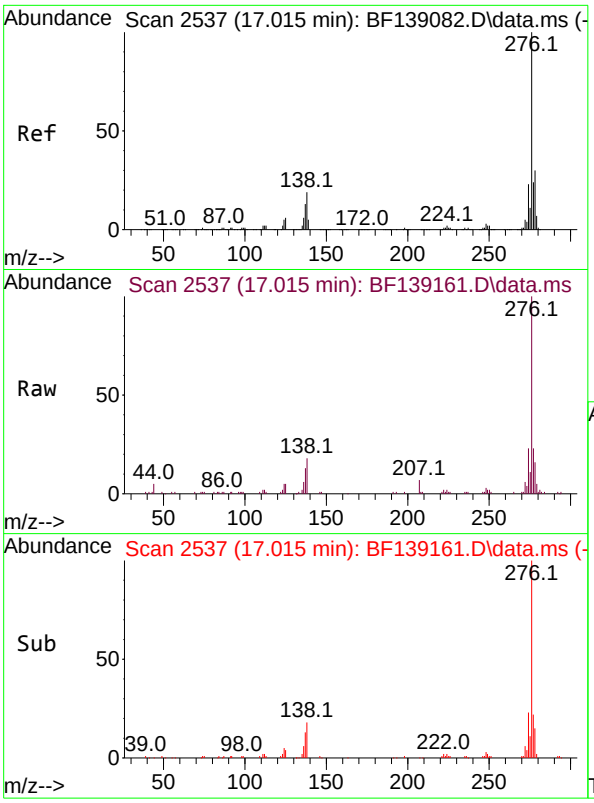


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. 0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:264 Resp: 177359

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.8	17.4	26.2

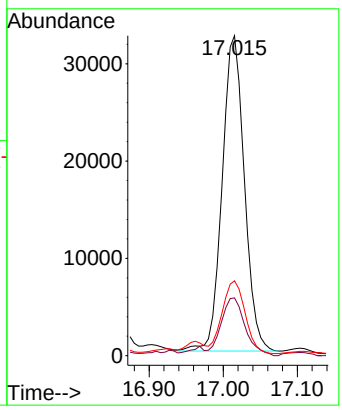




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.504 ng
RT: 17.015 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:276 Resp: 6751

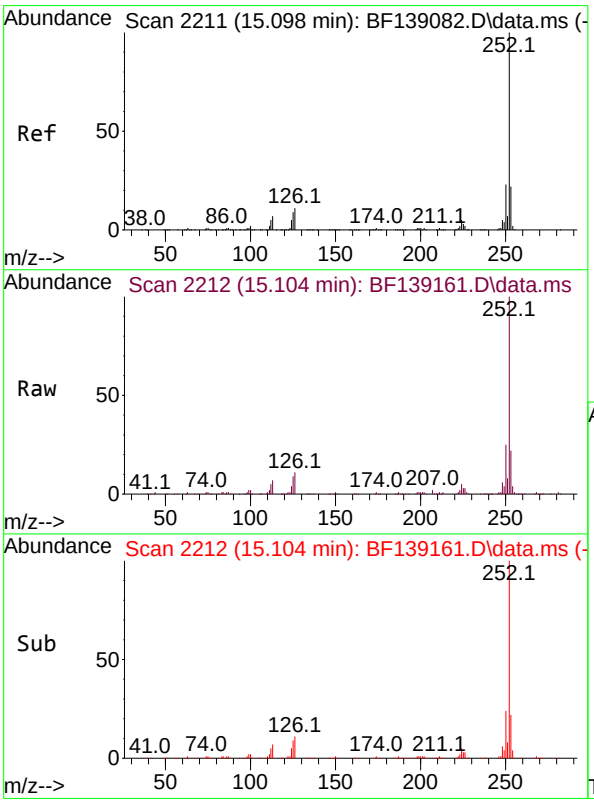
Ion	Ratio	Lower	Upper
276	100		
138	19.9	17.3	25.9
277	24.0	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

Manual Integrations
APPROVED

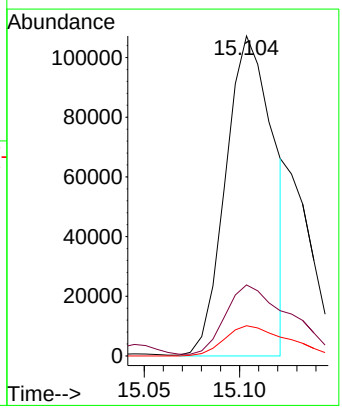
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

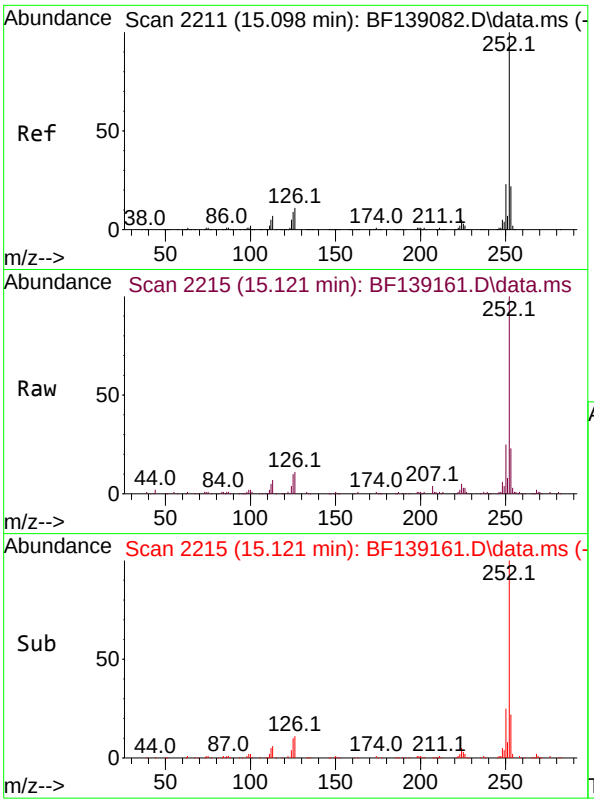


#88
Benzo(b)fluoranthene
Concen: 16.112 ng m
RT: 15.104 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:252 Resp: 186295

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	9.5	7.0	10.6

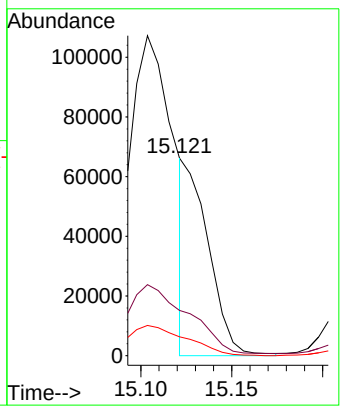




#89
Benzo(k)fluoranthene
Concen: 6.096 ng m
RT: 15.121 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:252 Resp: 5870

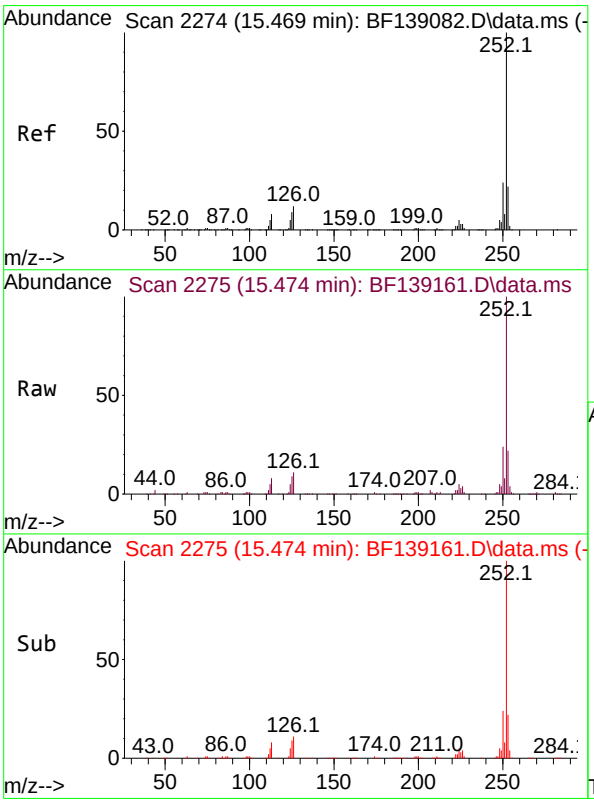
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	9.6	7.0	10.6



Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

Manual Integrations
APPROVED

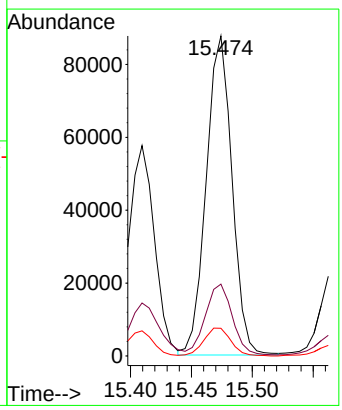
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

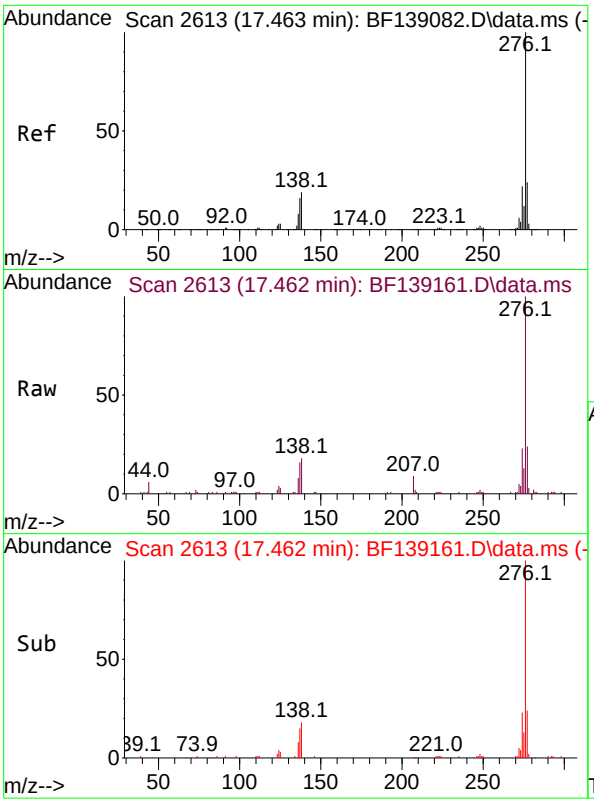


#90
Benzo(a)pyrene
Concen: 14.109 ng
RT: 15.474 min Scan# 2275
Delta R.T. 0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:252 Resp: 128903

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	8.7	7.4	11.2

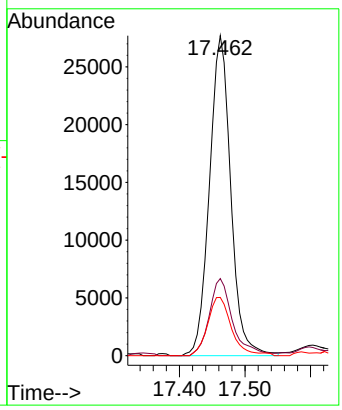




#92
Benzo(g,h,i)perylene
Concen: 8.842 ng
RT: 17.462 min Scan# 2
Delta R.T. -0.001 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:276 Resp: 6251

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	18.2	15.0	22.4



Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-904-J-SO-0.5-1.0-081924	SDG No.:	P3671
Lab Sample ID:	P3671-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	79.7
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021620.D	1	08/21/24 08:50	08/22/24 19:23	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	100	U	100	210	ug/Kg
100-52-7	Benzaldehyde	230	U	230	410	ug/Kg
95-48-7	2-Methylphenol	100	U	100	210	ug/Kg
65794-96-9	3+4-Methylphenols	99.9	U	99.9	410	ug/Kg
67-72-1	Hexachloroethane	100	U	100	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	210	ug/Kg
91-20-3	Naphthalene	100	U	100	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	89.4	U	89.4	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	92.6	U	92.6	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	210	ug/Kg
83-32-9	Acenaphthene	210		100	210	ug/Kg
132-64-9	Dibenzofuran	110	J	110	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	210	ug/Kg
86-73-7	Fluorene	230		110	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	210	ug/Kg
87-86-5	Pentachlorophenol	96.8	U	96.8	410	ug/Kg
85-01-8	Phenanthrene	2300		110	210	ug/Kg
120-12-7	Anthracene	570		110	210	ug/Kg
86-74-8	Carbazole	290		100	210	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	210	ug/Kg
206-44-0	Fluoranthene	3100		100	210	ug/Kg
129-00-0	Pyrene	2800		100	210	ug/Kg
56-55-3	Benzo(a)anthracene	1700		100	210	ug/Kg
218-01-9	Chrysene	2100		99.5	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		100	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	670		100	210	ug/Kg

Raw Data: **BP021620.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-904-J-SO-0.5-1.0-081924	SDG No.:	P3671
Lab Sample ID:	P3671-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	79.7
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021620.D	1	08/21/24 08:50	08/22/24 19:23	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
50-32-8	Benzo(a)pyrene	1600		120	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	800		97.8	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	270		100	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	970		100	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	82.1		30 (18) - 130 (112)	55%	SPK: 150
13127-88-3	Phenol-d6	84.5		30 (15) - 130 (107)	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.0		30 (18) - 130 (107)	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.3		30 (20) - 130 (109)	40%	SPK: 100
118-79-6	2,4,6-Tribromophenol	101		30 (10) - 130 (116)	67%	SPK: 150
1718-51-0	Terphenyl-d14	42.2		30 (10) - 130 (105)	42%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	329000	7.799			
1146-65-2	Naphthalene-d8	1410000	10.587			
15067-26-2	Acenaphthene-d10	997000	14.439			
1517-22-2	Phenanthrene-d10	2290000	17.257			
1719-03-5	Chrysene-d12	1970000	21.721			
1520-96-3	Perylene-d12	2370000	25.168			

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_P\Data\BP082224\
Data File : BP021620.D
Acq On : 22 Aug 2024 19:23
Operator : RC/JU
Sample : P3671-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0.5-1-081924

Quant Time: Aug 23 00:53:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 2024
Response via : Initial Calibration

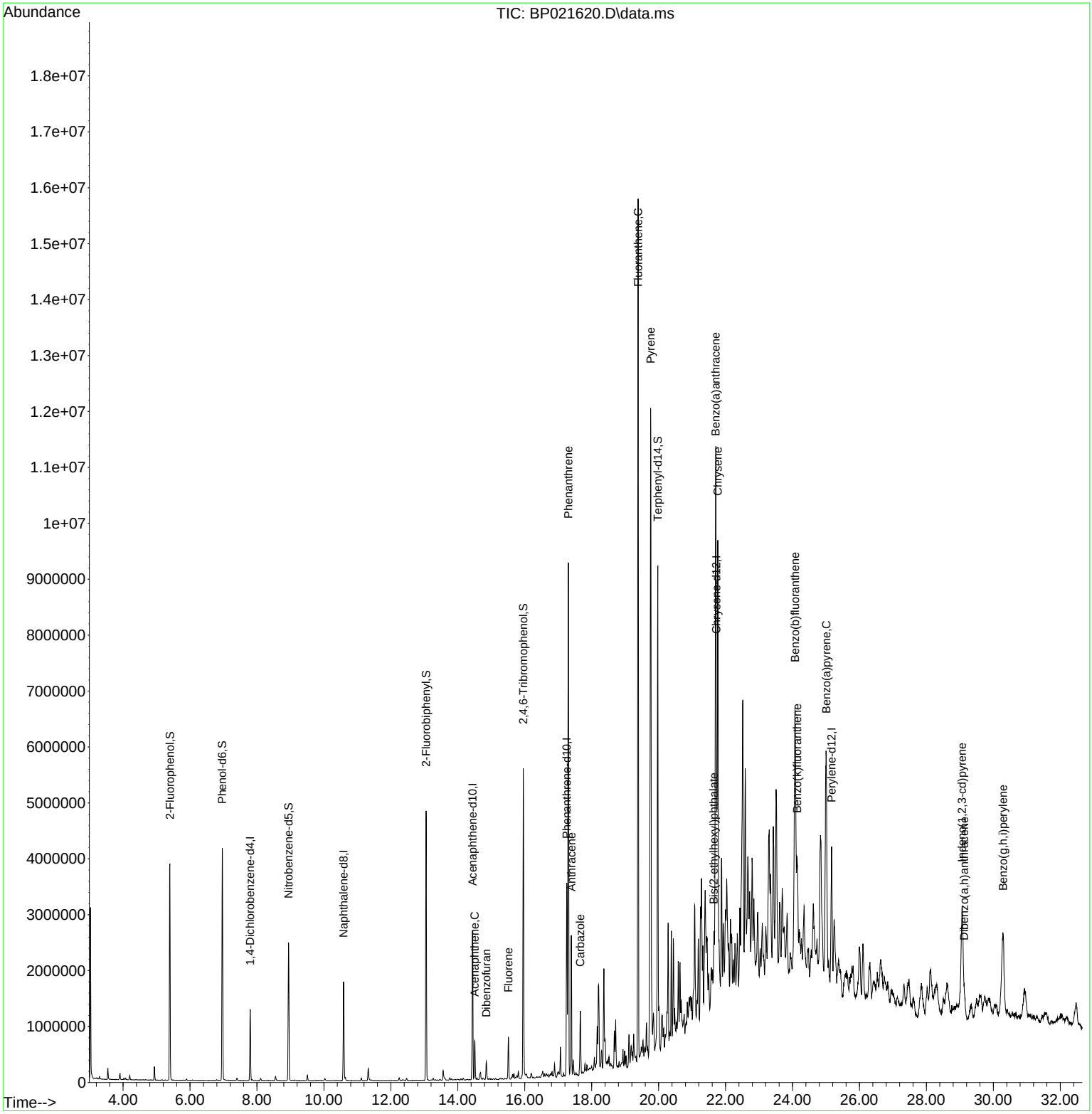
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.799	152	328696	20.000	ng		0.00
21) Naphthalene-d8	10.587	136	1406531	20.000	ng	#	0.00
39) Acenaphthene-d10	14.439	164	997125	20.000	ng		0.00
64) Phenanthrene-d10	17.257	188	2294613	20.000	ng		0.00
76) Chrysene-d12	21.721	240	1965328	20.000	ng		0.00
86) Perylene-d12	25.168	264	2369105	20.000	ng	#	0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.399	112	1818143	82.133	ng		0.00
7) Phenol-d6	6.963	99	2728297	84.488	ng		0.00
23) Nitrobenzene-d5	8.946	82	1634653	59.986	ng		0.00
42) 2,4,6-Tribromophenol	15.957	330	1120590	100.976	ng		0.00
45) 2-Fluorobiphenyl	13.051	172	2632455	40.291	ng		0.00
79) Terphenyl-d14	19.974	244	4269387	42.203	ng		0.00
Target Compounds							Qvalue
52) Acenaphthene	14.504	154	272592	5.145	ng		100
55) Dibenzofuran	14.851	168	214370	2.630	ng		99
58) Fluorene	15.510	166	364065	5.438	ng		98
71) Phenanthrene	17.304	178	5982603	54.213	ng		100
72) Anthracene	17.392	178	1479911	13.674	ng		99
73) Carbazole	17.663	167	714152	6.847	ng		100
75) Fluoranthene	19.386	202	9915818	73.233	ng		99
78) Pyrene	19.763	202	8521343	66.336	ng		99
81) Benzo(a)anthracene	21.704	228	5130328	41.583	ng	#	93
83) Chrysene	21.768	228	5738086	49.261	ng	#	95
84) Bis(2-ethylhexyl)phtha...	21.645	149	149554	2.051	ng		99
87) Indeno(1,2,3-cd)pyrene	29.068	276	2943194	19.165	ng	#	87
88) Benzo(b)fluoranthene	24.074	252	5816273	42.747	ng		99
89) Benzo(k)fluoranthene	24.139	252	2145052m	16.161	ng		
90) Benzo(a)pyrene	25.009	252	4657427	39.444	ng		95
91) Dibenzo(a,h)anthracene	29.127	278	834541	6.540	ng	#	78
92) Benzo(g,h,i)perylene	30.291	276	2977737	23.284	ng		98

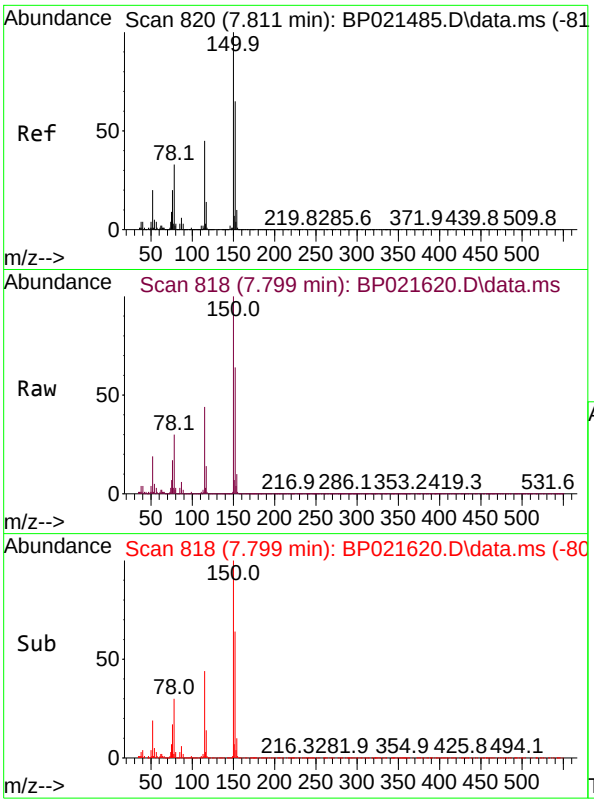
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
Data File : BP021620.D
Acq On : 22 Aug 2024 19:23
Operator : RC/JU
Sample : P3671-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0.5-1-081924

Quant Time: Aug 23 00:53:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 2024
Response via : Initial Calibration



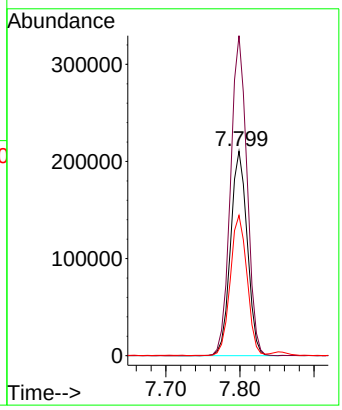


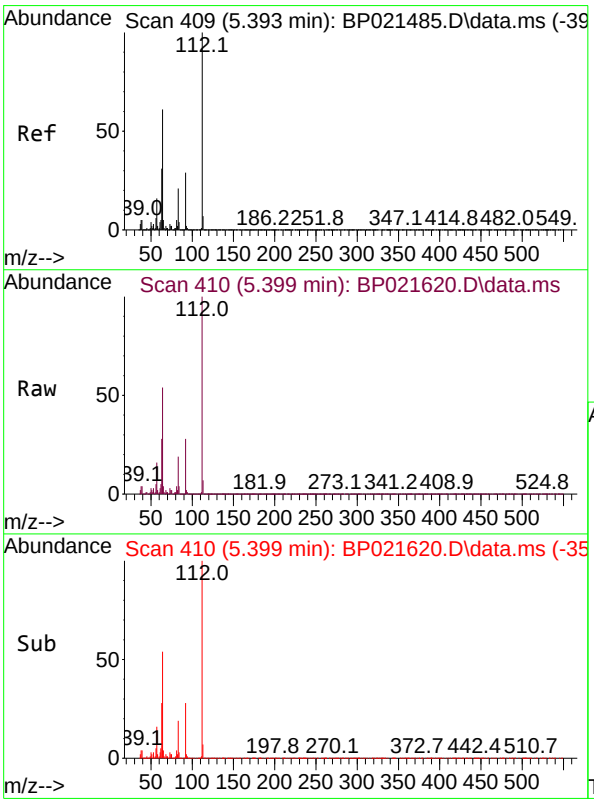
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0.5-1-081924

Tgt Ion:152 Resp: 328696

Ion	Ratio	Lower	Upper
152	100		
150	156.5	122.4	183.6
115	68.6	54.7	82.1

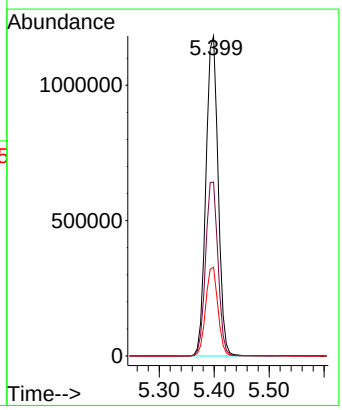


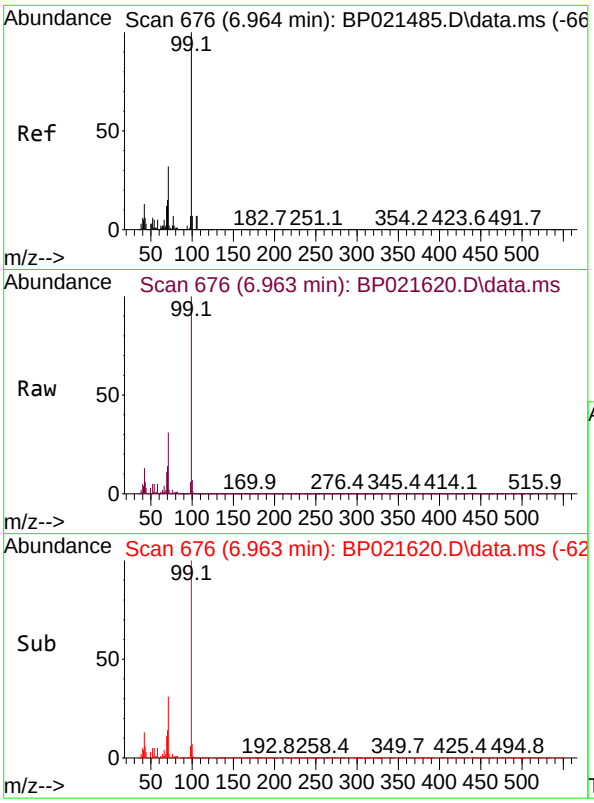


#5
2-Fluorophenol
Concen: 82.133 ng
RT: 5.399 min Scan# 410
Delta R.T. -0.000 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Tgt Ion:112 Resp: 1818143

Ion	Ratio	Lower	Upper
112	100		
64	54.3	49.0	73.6
63	27.7	24.6	36.8



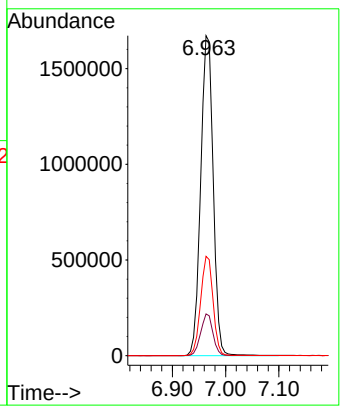


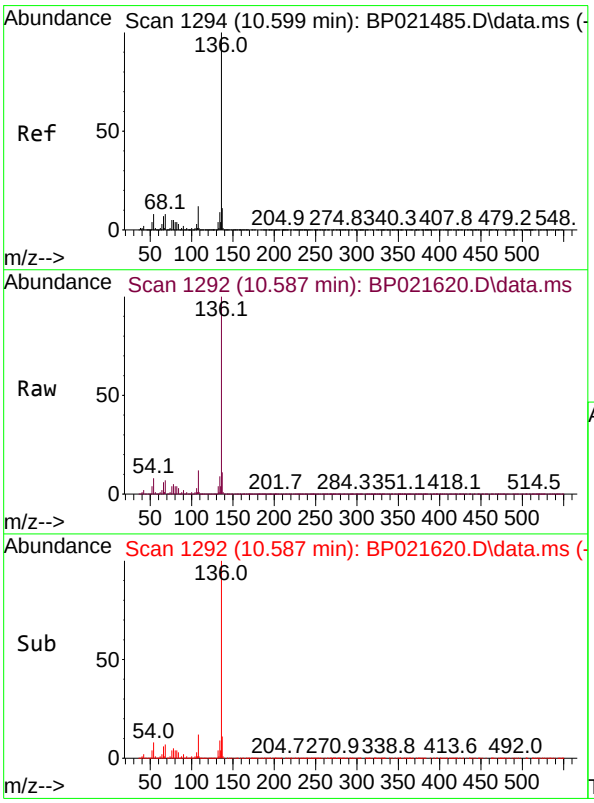
#7
Phenol-d6
Concen: 84.488 ng
RT: 6.963 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0.5-1-081924

Tgt Ion: 99 Resp: 2728297

Ion	Ratio	Lower	Upper
99	100		
42	13.1	10.2	15.4
71	31.0	25.8	38.8

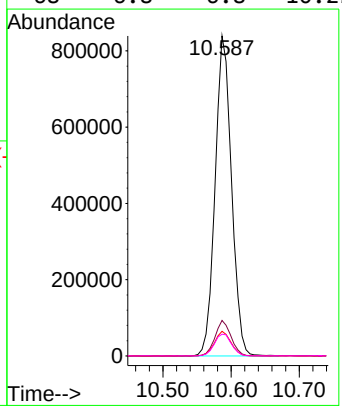


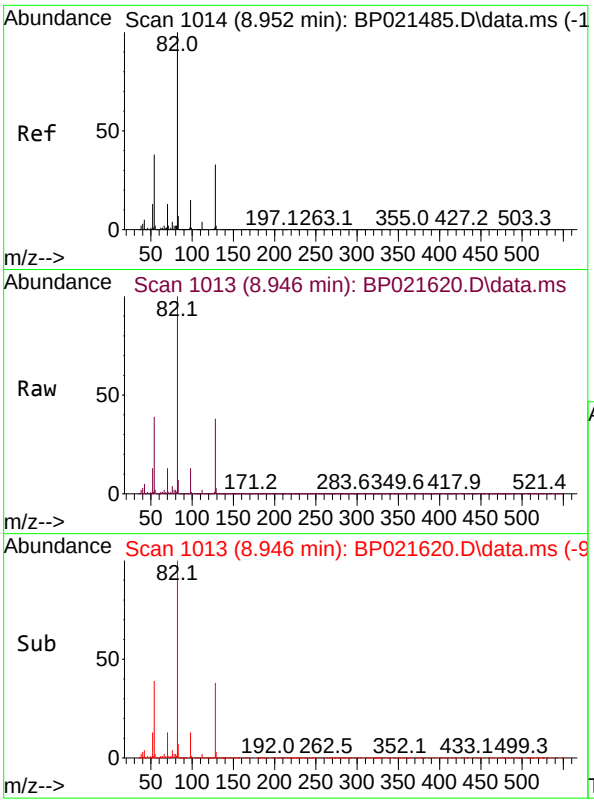


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.000 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Tgt Ion:136 Resp: 1406531

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.7	6.3	9.5
68	6.8	6.8	10.2#



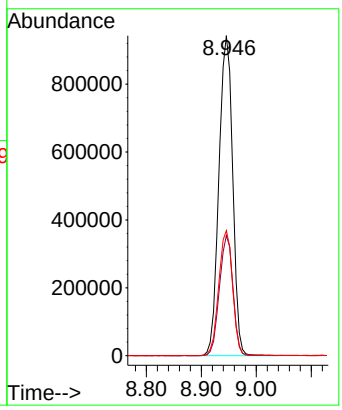


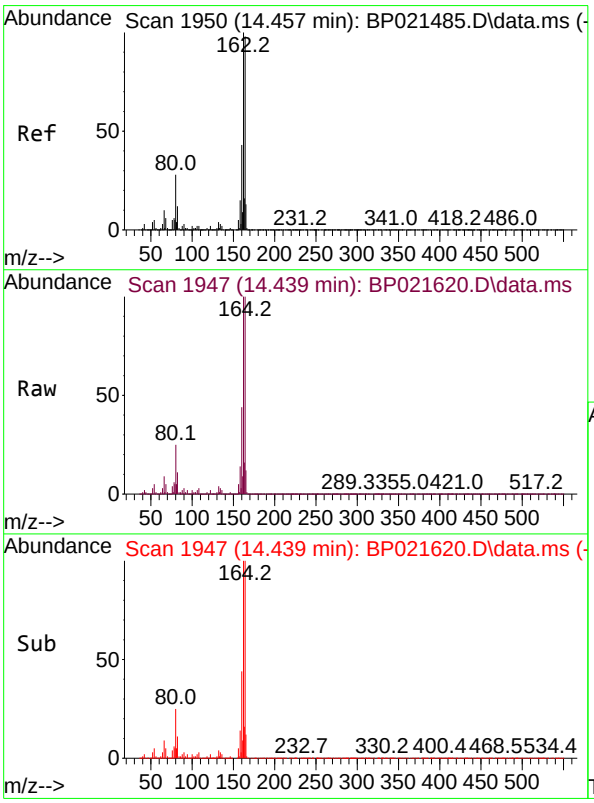
#23
Nitrobenzene-d5
Concen: 59.986 ng
RT: 8.946 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0.5-1-081924

Tgt Ion: 82 Resp: 1634653

Ion	Ratio	Lower	Upper
82	100		
128	37.5	26.5	39.7
54	39.1	30.3	45.5

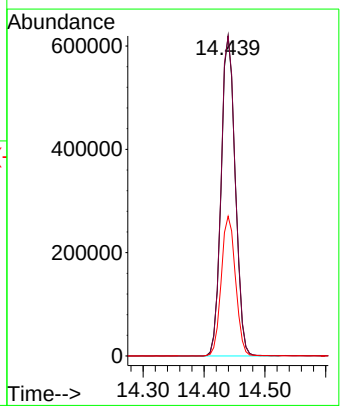


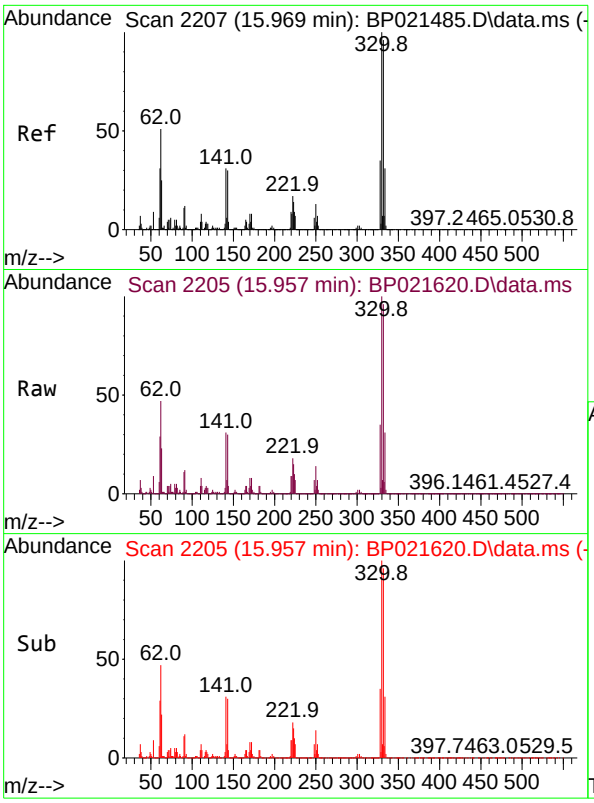


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.439 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Tgt Ion:164 Resp: 997125

Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.5	122.3
160	43.7	35.2	52.8



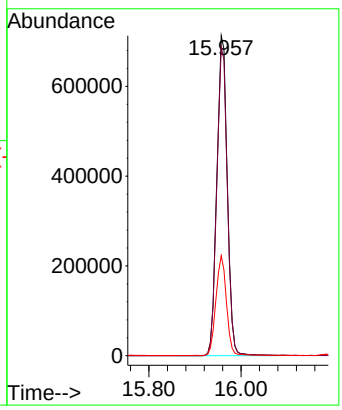


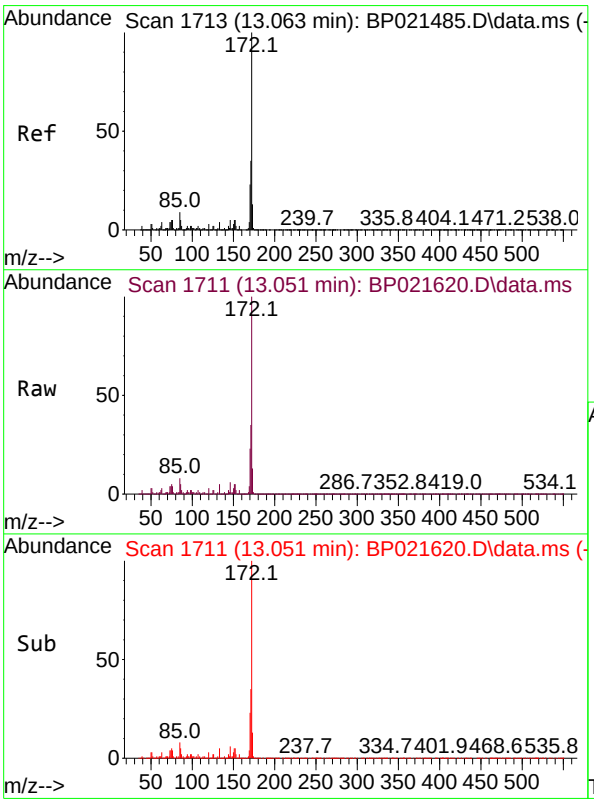
#42
2,4,6-Tribromophenol
Concen: 100.976 ng
RT: 15.957 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0.5-1-081924

Tgt Ion:330 Resp: 1120590

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.4	116.0
141	31.7	24.5	36.7

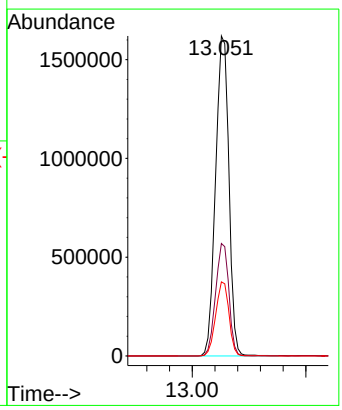


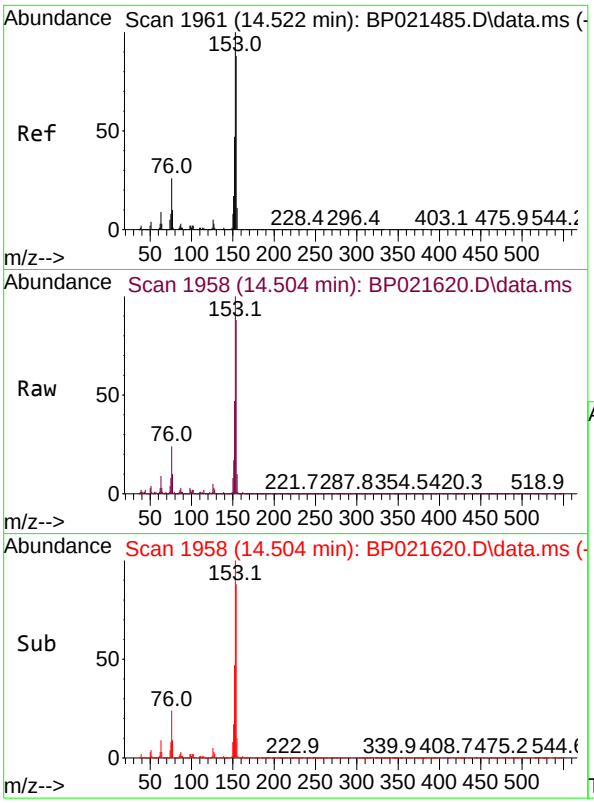


#45
2-Fluorobiphenyl
Concen: 40.291 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.000 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Tgt Ion:172 Resp: 2632455

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.4
170	23.1	18.4	27.6



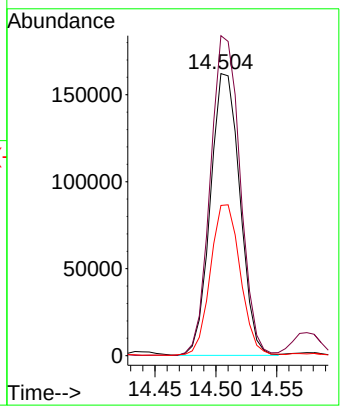


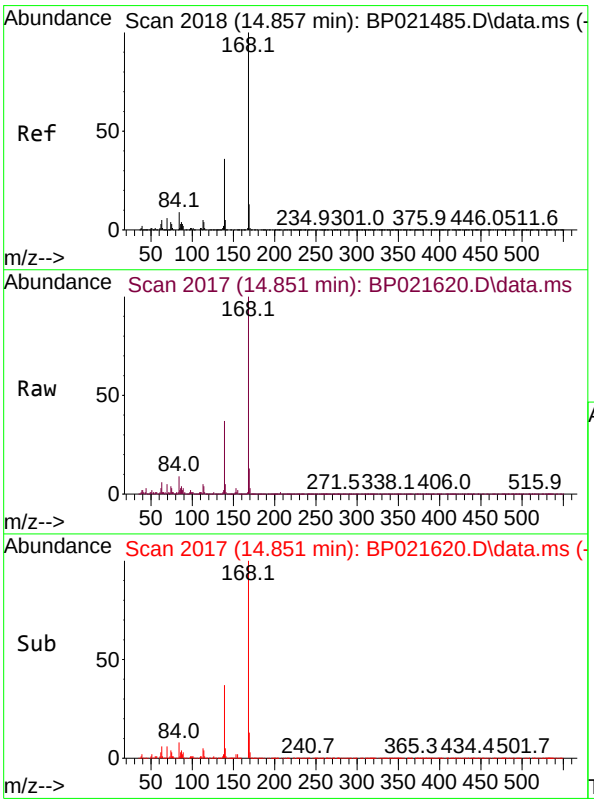
#52
Acenaphthene
Concen: 5.145 ng
RT: 14.504 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0.5-1-081924

Tgt Ion:154 Resp: 272592

Ion	Ratio	Lower	Upper
154	100		
153	113.5	91.1	136.7
152	53.3	43.0	64.4

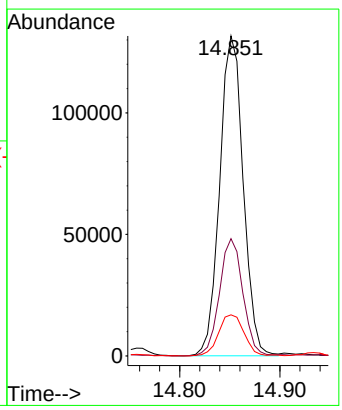


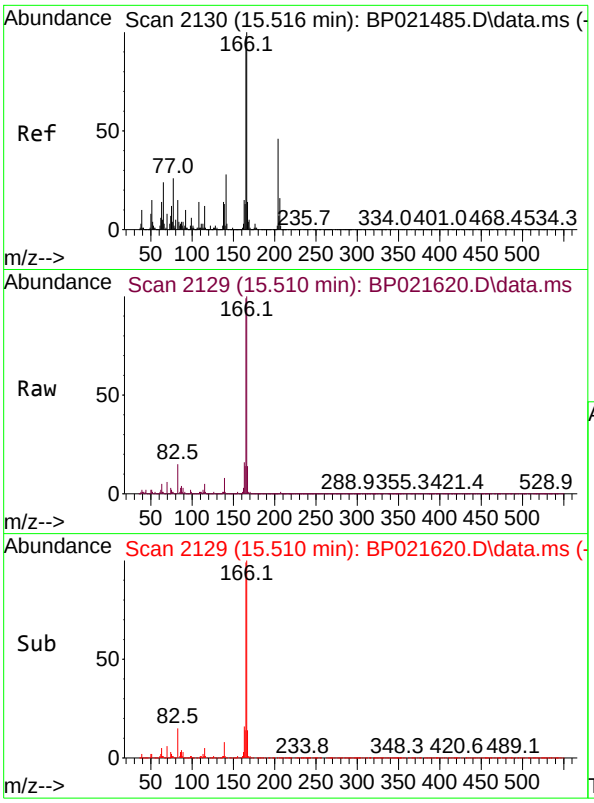


#55
Dibenzofuran
Concen: 2.630 ng
RT: 14.851 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Tgt Ion:168 Resp: 214370

Ion	Ratio	Lower	Upper
168	100		
139	36.6	28.6	43.0
169	12.8	10.6	16.0



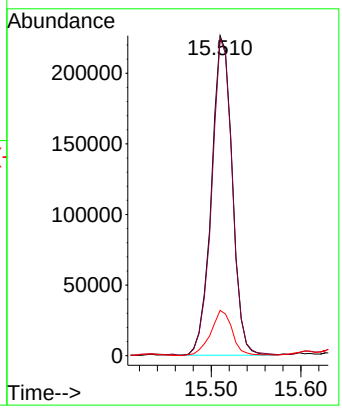


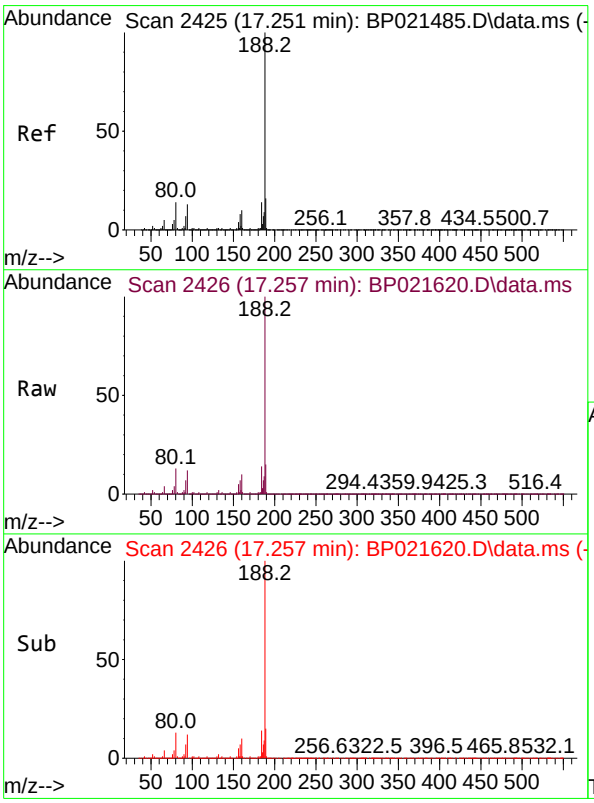
#58
Fluorene
Concen: 5.438 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0.5-1-081924

Tgt Ion:166 Resp: 364065

Ion	Ratio	Lower	Upper
166	100		
165	99.4	78.1	117.1
167	14.1	11.0	16.4

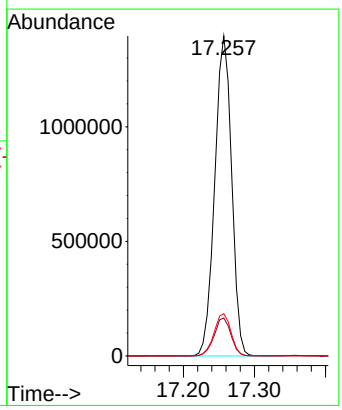


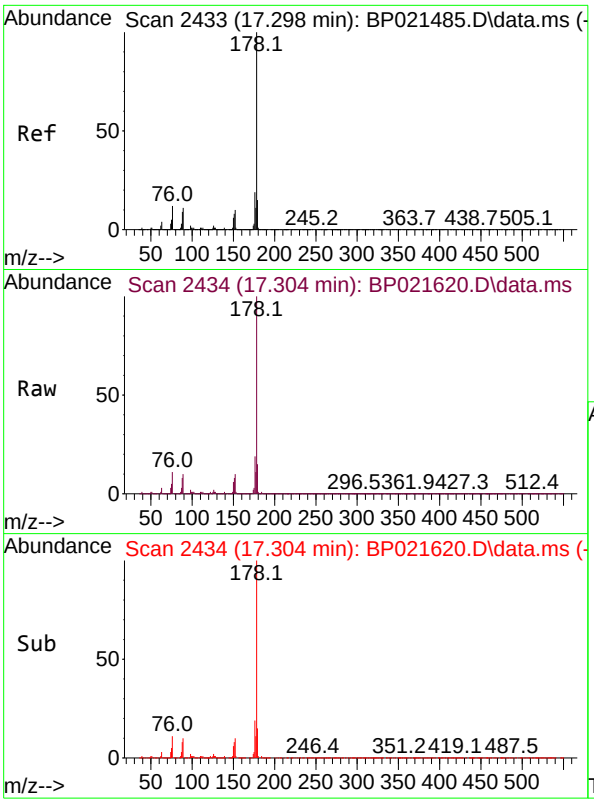


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Tgt Ion:188 Resp: 2294613

Ion	Ratio	Lower	Upper
188	100		
94	11.8	10.2	15.4
80	13.2	11.6	17.4



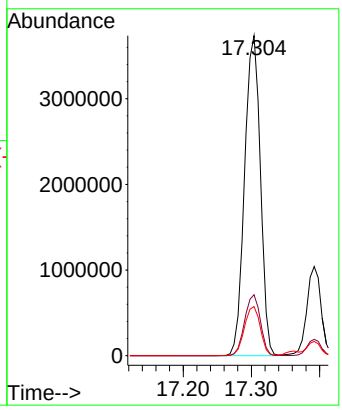


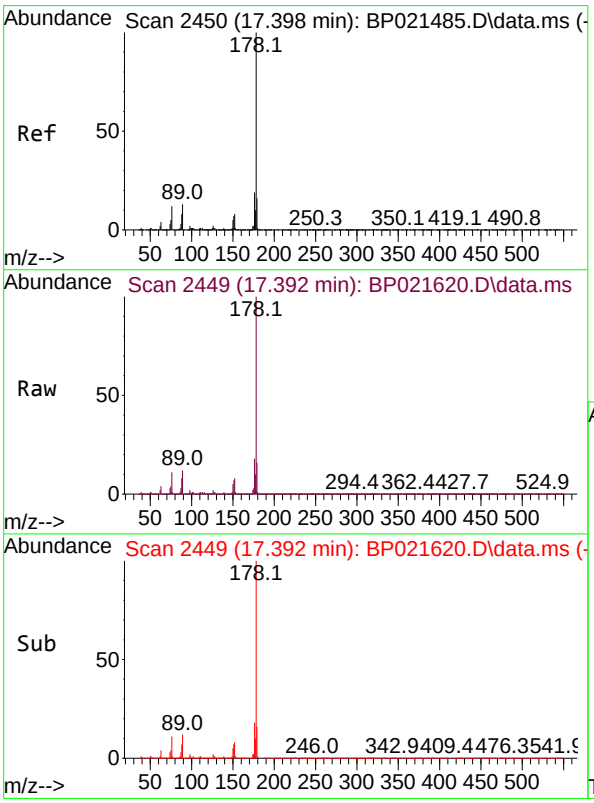
#71
Phenanthrene
Concen: 54.213 ng
RT: 17.304 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0.5-1-081924

Tgt Ion:178 Resp: 5982603

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.4	12.4	18.6

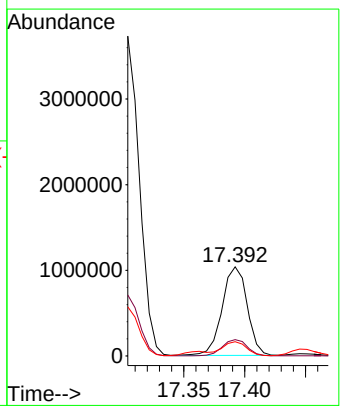


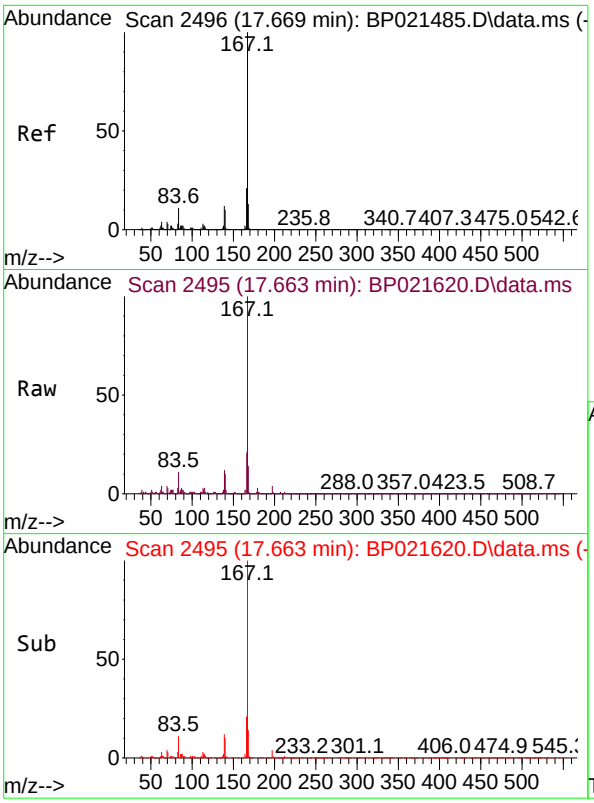


#72
Anthracene
Concen: 13.674 ng
RT: 17.392 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Tgt Ion:178 Resp: 1479911

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.9	22.3
179	16.0	12.5	18.7



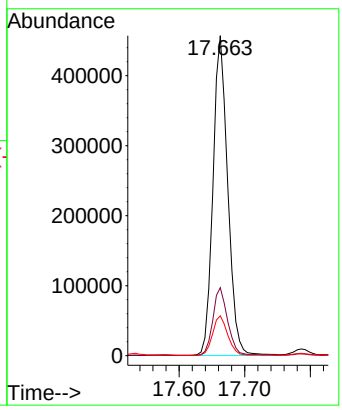


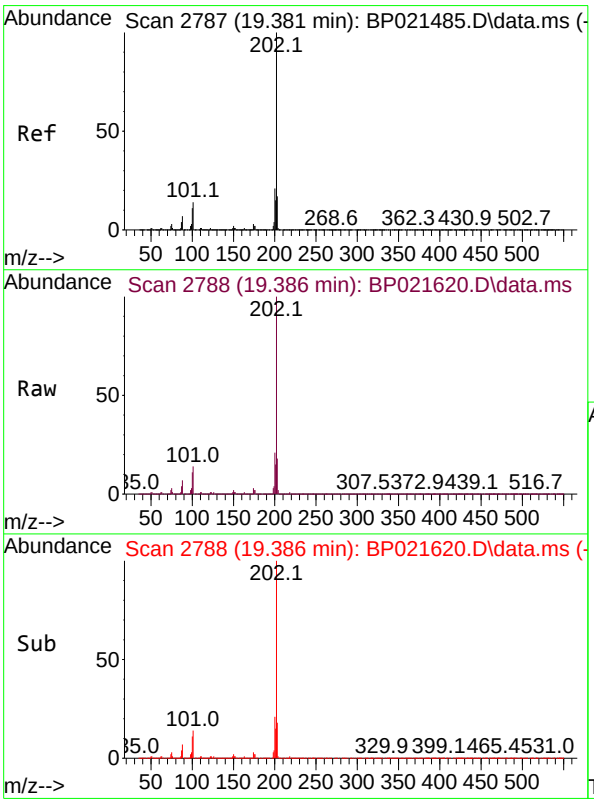
#73
Carbazole
Concen: 6.847 ng
RT: 17.663 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0.5-1-081924

Tgt Ion:167 Resp: 714152

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.4
139	12.5	9.9	14.9

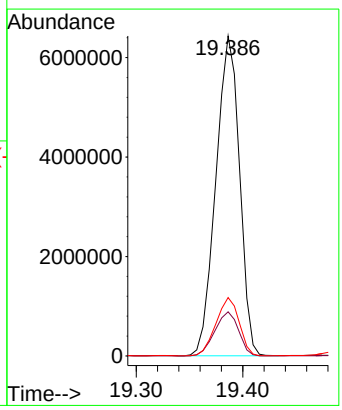


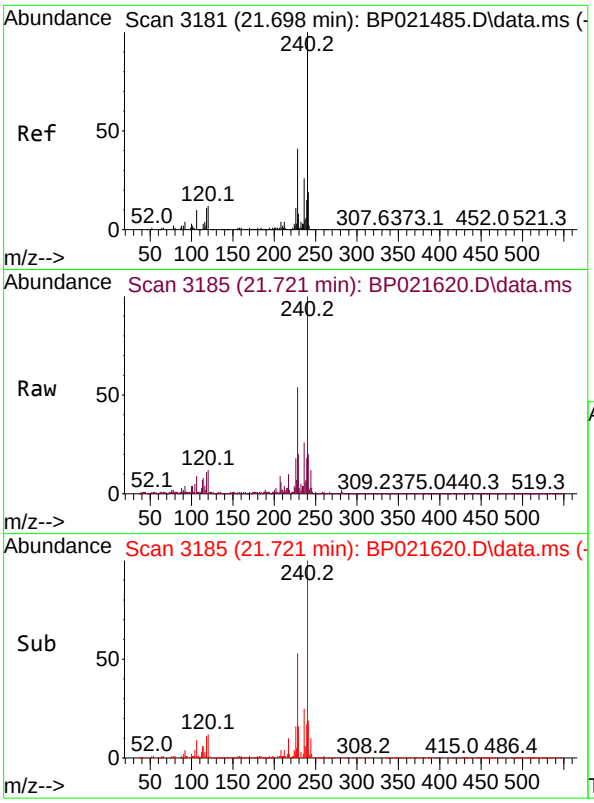


#75
Fluoranthene
Concen: 73.233 ng
RT: 19.386 min Scan# 2788
Delta R.T. 0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Tgt Ion:202 Resp: 9915818

Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	34.0
203	18.3	0.0	37.5



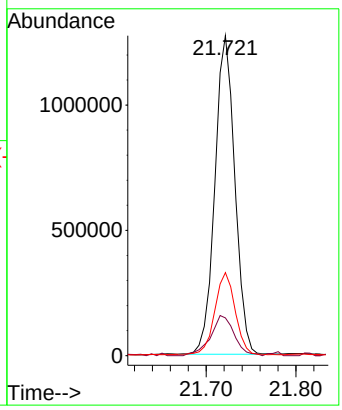


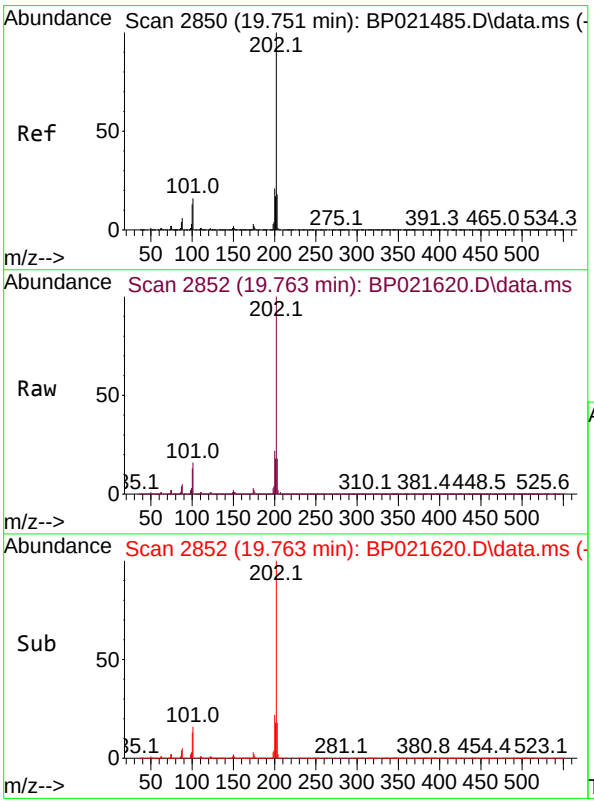
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.721 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0.5-1-081924

Tgt Ion:240 Resp: 1965328

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.9	14.9
236	25.9	20.6	30.8

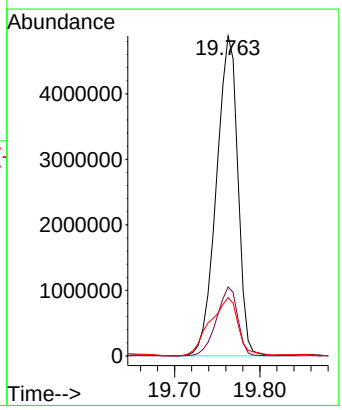


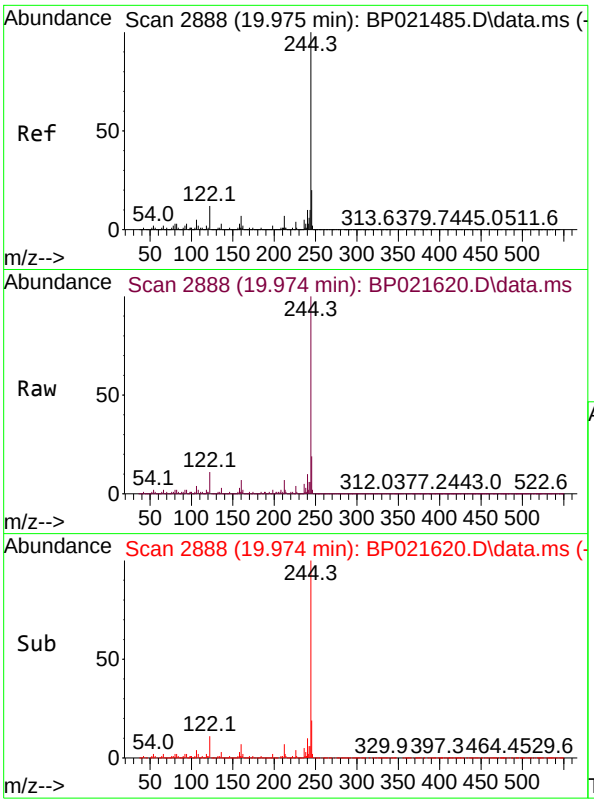


#78
Pyrene
Concen: 66.336 ng
RT: 19.763 min Scan# 2852
Delta R.T. 0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Tgt Ion:202 Resp: 8521343

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.7	25.1
203	18.2	14.1	21.1



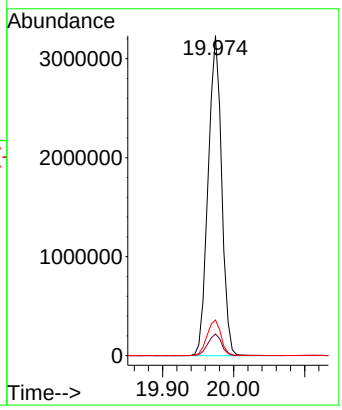


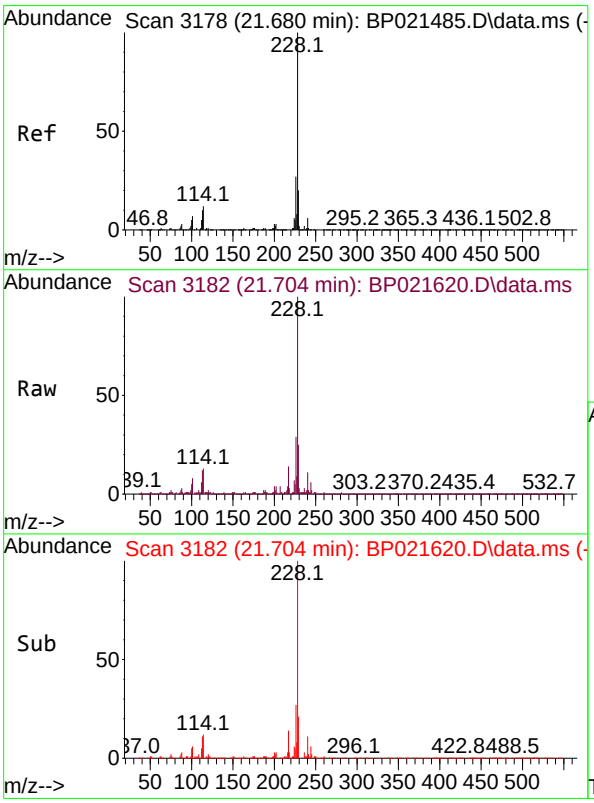
#79
Terphenyl-d14
Concen: 42.203 ng
RT: 19.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0.5-1-081924

Tgt Ion:244 Resp: 4269387

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	11.1	9.4	14.2

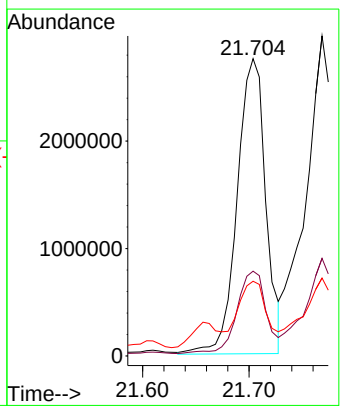


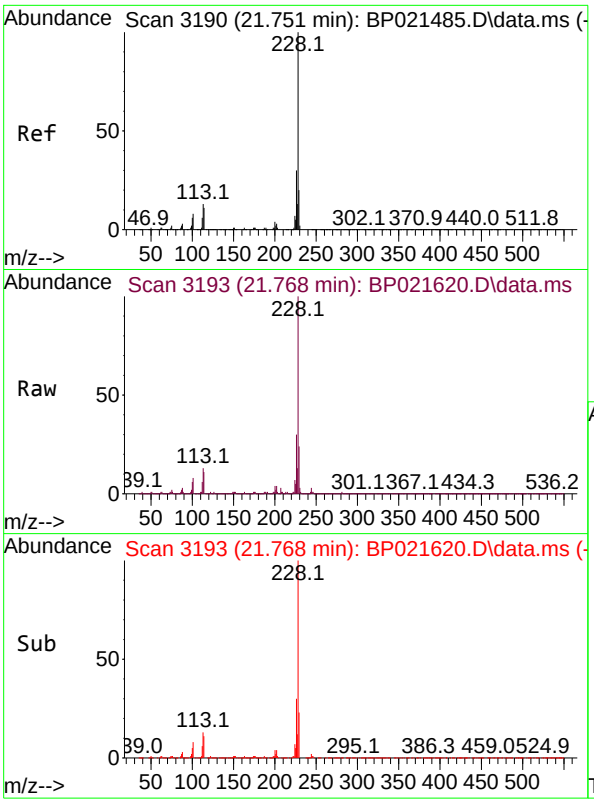


#81
Benzo(a)anthracene
Concen: 41.583 ng
RT: 21.704 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Tgt Ion:228 Resp: 5130328

Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.4	32.2
229	25.1	15.8	23.6#



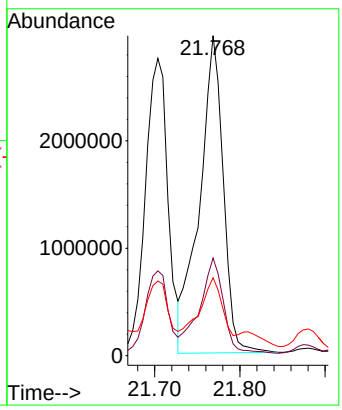


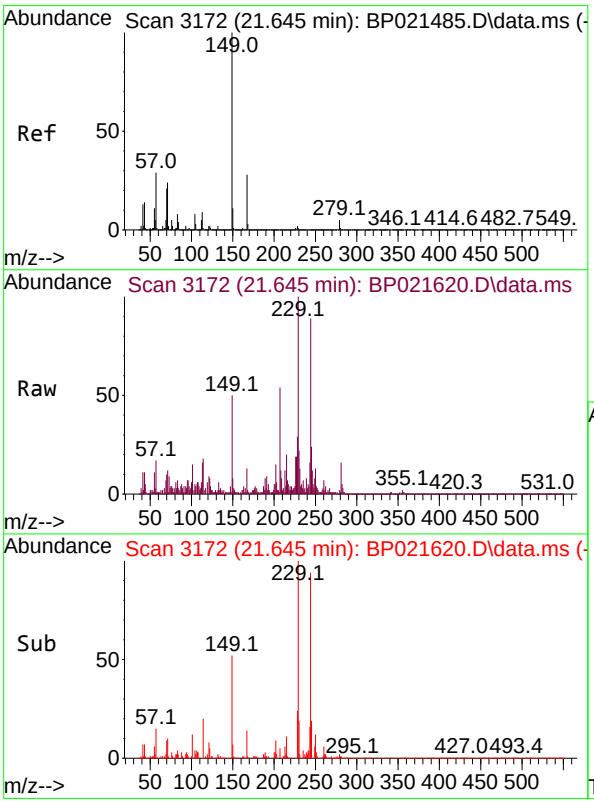
#83
Chrysene
Concen: 49.261 ng
RT: 21.768 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0.5-1-081924

Tgt Ion:228 Resp: 5738086

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.9	35.9
229	24.3	15.8	23.6#

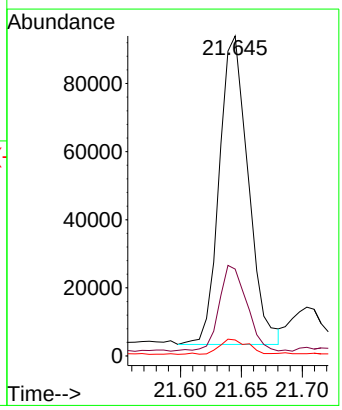


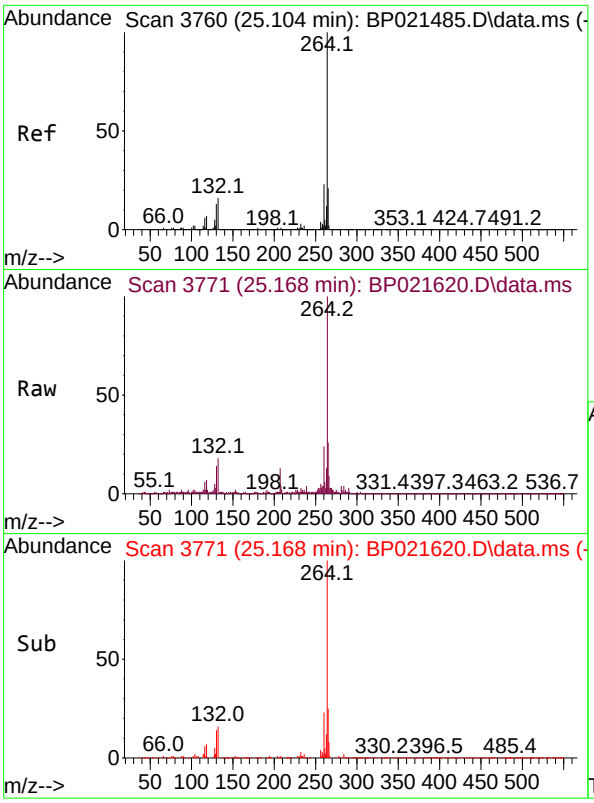


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.051 ng
RT: 21.645 min Scan# 3172
Delta R.T. -0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Tgt Ion:149 Resp: 149554

Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.3	33.5
279	5.0	3.8	5.6



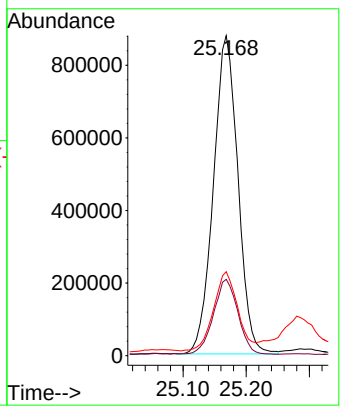


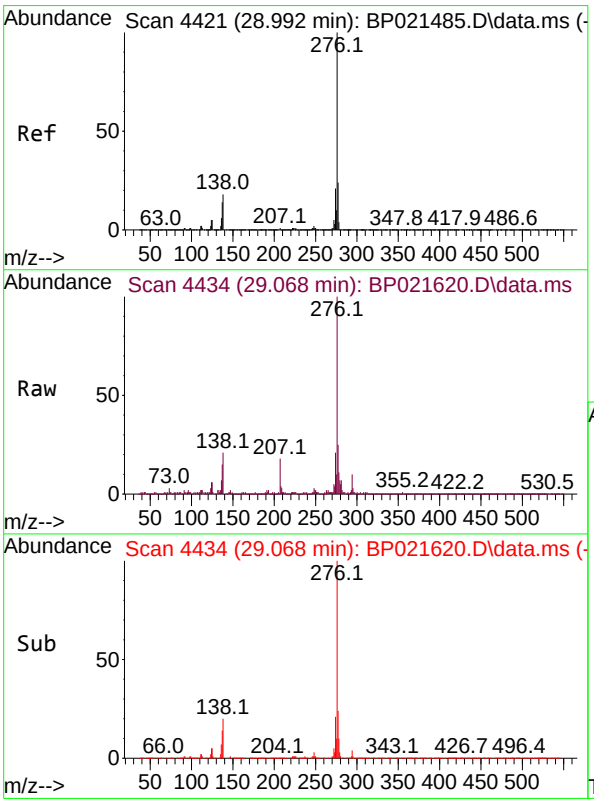
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.168 min Scan# 3
Delta R.T. 0.017 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0.5-1-081924

Tgt Ion:264 Resp: 2369105

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	26.3	17.1	25.7#

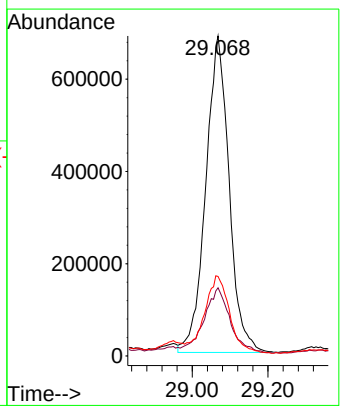


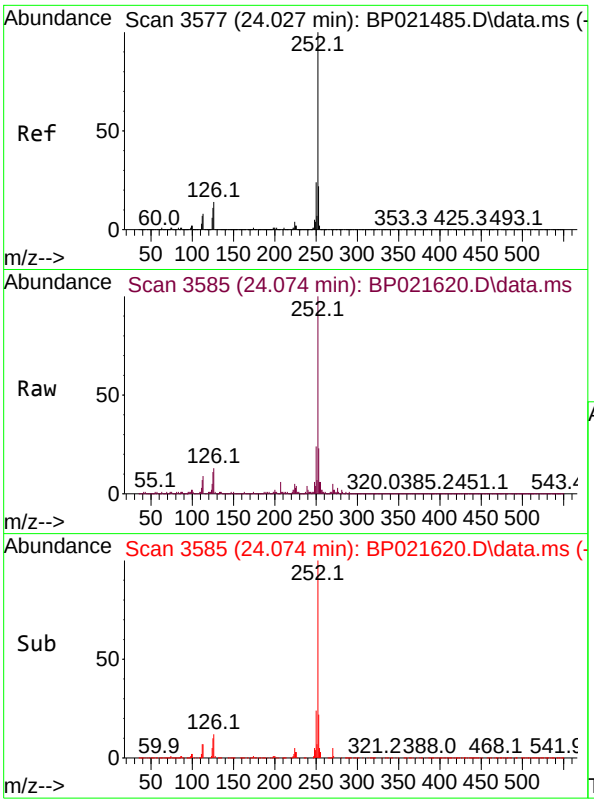


#87
Indeno(1,2,3-cd)pyrene
Concen: 19.165 ng
RT: 29.068 min Scan# 4434
Delta R.T. 0.011 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Tgt Ion:276 Resp: 2943194

Ion	Ratio	Lower	Upper
276	100		
138	23.0	12.8	19.2#
277	25.7	16.5	24.7#



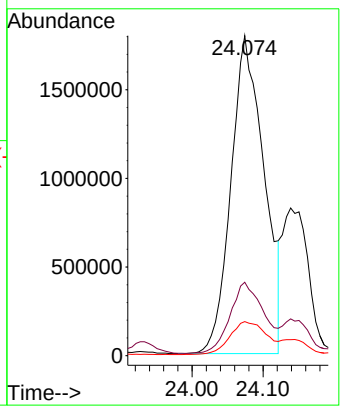


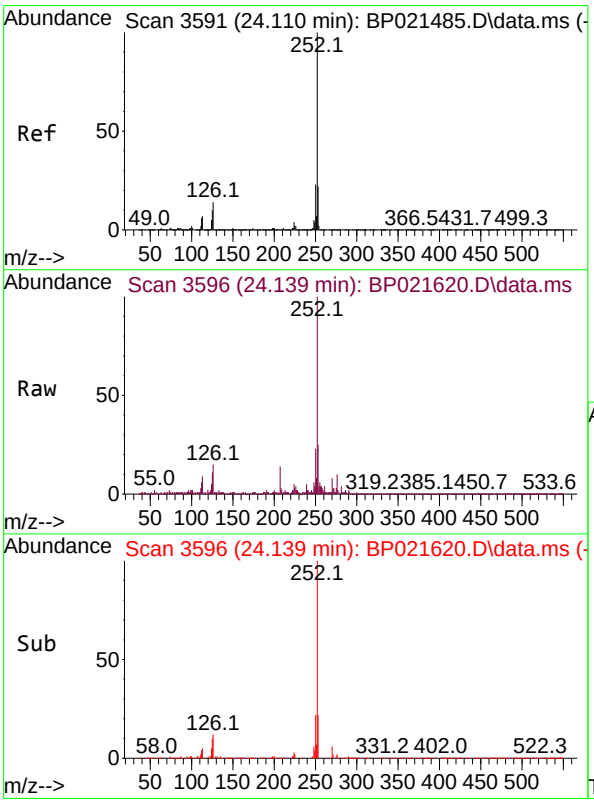
#88
Benzo(b)fluoranthene
Concen: 42.747 ng
RT: 24.074 min Scan# 3
Delta R.T. 0.017 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0.5-1-081924

Tgt Ion:252 Resp: 5816273

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	10.7	8.6	13.0

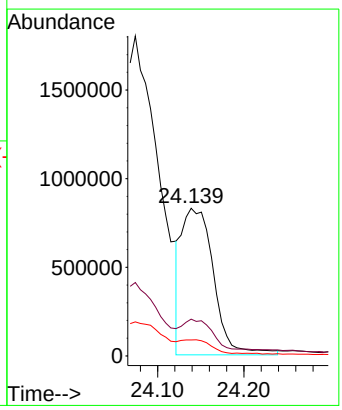


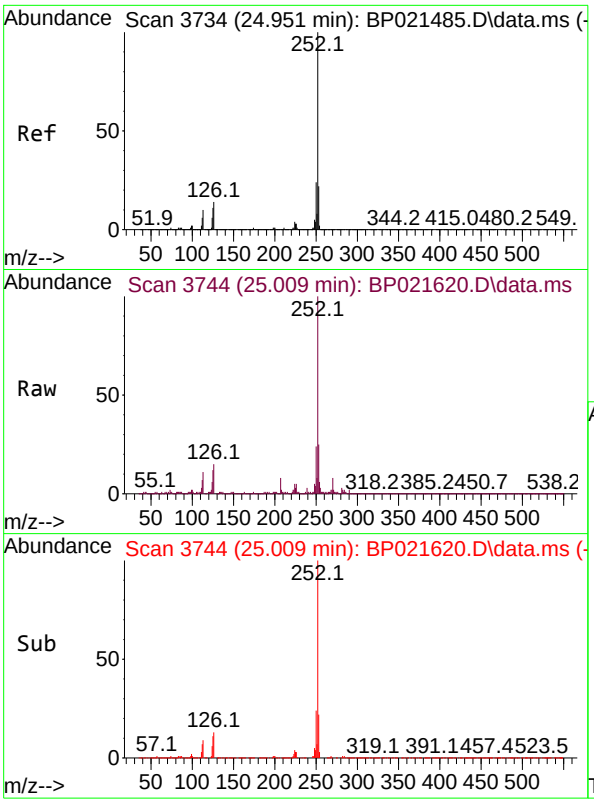


#89
Benzo(k)fluoranthene
Concen: 16.161 ng m
RT: 24.139 min Scan# 3596
Delta R.T. 0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Tgt Ion:252 Resp: 2145052

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.5	26.3
125	10.8	7.8	11.8



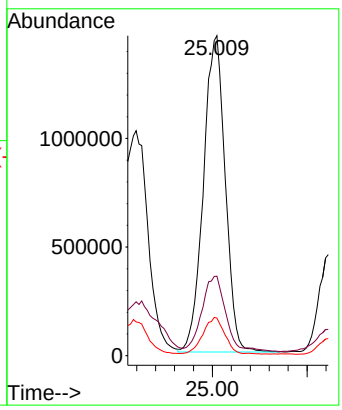


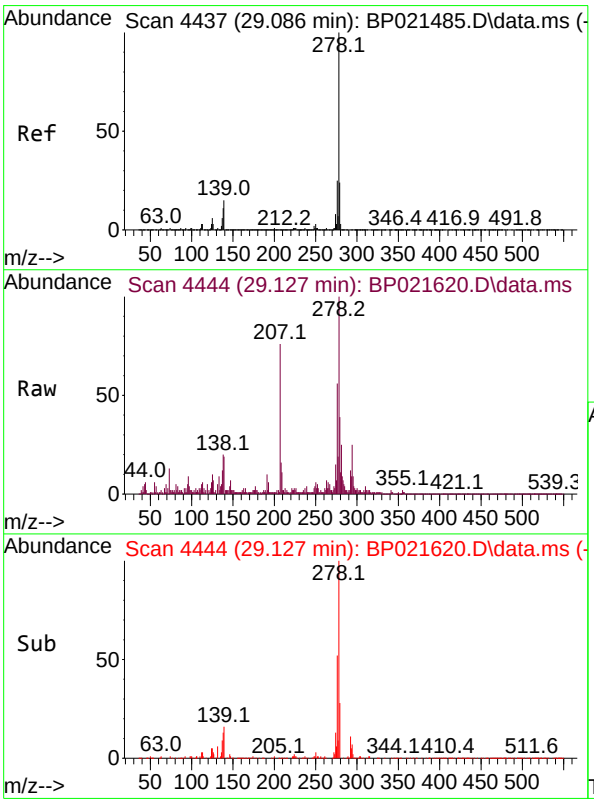
#90
Benzo(a)pyrene
Concen: 39.444 ng
RT: 25.009 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0.5-1-081924

Tgt Ion:252 Resp: 4657427

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.7	26.5
125	11.7	8.7	13.1

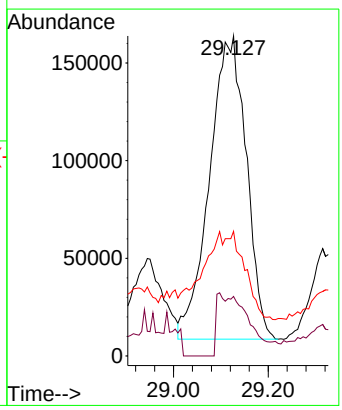


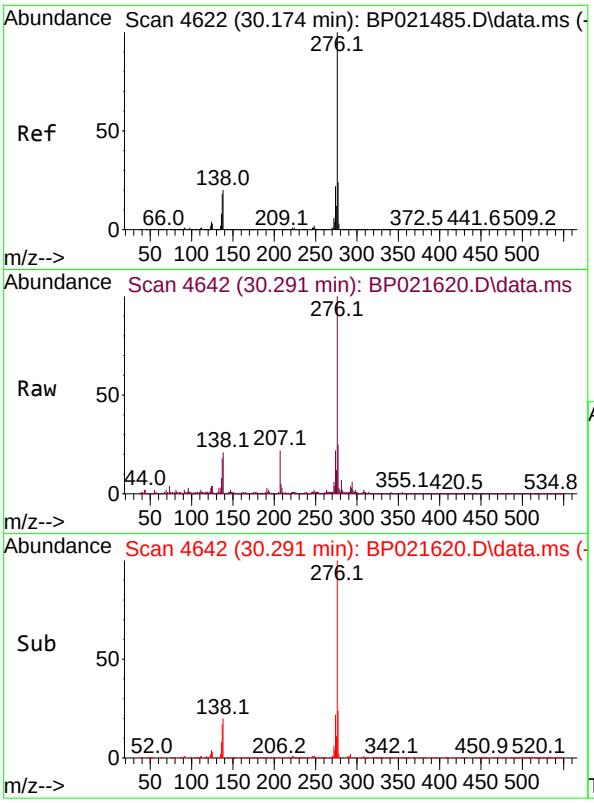


#91
Dibenzo(a,h)anthracene
Concen: 6.540 ng
RT: 29.127 min Scan# 4444
Delta R.T. -0.006 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Tgt Ion:278 Resp: 834541

Ion	Ratio	Lower	Upper
278	100		
139	18.6	12.2	18.4#
279	38.9	19.1	28.7#



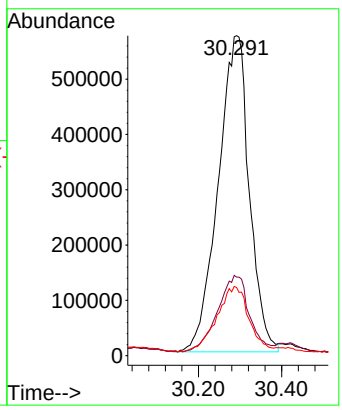


#92
Benzo(g,h,i)perylene
Concen: 23.284 ng
RT: 30.291 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP021620.D
Acq: 22 Aug 2024 19:23

Instrument :
BNA_P
ClientSampleId :
S-904-J-SO-0.5-1-081924

Tgt Ion:276 Resp: 2977737

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.0	28.6
138	21.3	16.0	24.0



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-911-K1-SO-0-0.5-081924	SDG No.:	P3671
Lab Sample ID:	P3671-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	46.9
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047320.D	1	08/21/24 08:50	08/22/24 17:10	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	170	U	170	360	ug/Kg
100-52-7	Benzaldehyde	390	U	390	700	ug/Kg
95-48-7	2-Methylphenol	170	U	170	360	ug/Kg
65794-96-9	3+4-Methylphenols	170	U	170	700	ug/Kg
67-72-1	Hexachloroethane	180	U	180	360	ug/Kg
98-95-3	Nitrobenzene	190	U	190	360	ug/Kg
91-20-3	Naphthalene	180	U	180	360	ug/Kg
87-68-3	Hexachlorobutadiene	180	U	180	360	ug/Kg
91-57-6	2-Methylnaphthalene	180	U	180	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	150	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	160	360	ug/Kg
208-96-8	Acenaphthylene	180	U	180	360	ug/Kg
83-32-9	Acenaphthene	170	U	170	360	ug/Kg
132-64-9	Dibenzofuran	180	U	180	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	180	U	180	360	ug/Kg
86-73-7	Fluorene	180	U	180	360	ug/Kg
118-74-1	Hexachlorobenzene	180	U	180	360	ug/Kg
87-86-5	Pentachlorophenol	160	U	160	700	ug/Kg
85-01-8	Phenanthrene	180	U	180	360	ug/Kg
120-12-7	Anthracene	180	U	180	360	ug/Kg
86-74-8	Carbazole	170	U	170	360	ug/Kg
84-74-2	Di-n-butylphthalate	180	U	180	360	ug/Kg
206-44-0	Fluoranthene	170	U	170	360	ug/Kg
129-00-0	Pyrene	180	U	180	360	ug/Kg
56-55-3	Benzo(a)anthracene	170	U	170	360	ug/Kg
218-01-9	Chrysene	170	U	170	360	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	190	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	U	170	360	ug/Kg
207-08-9	Benzo(k)fluoranthene	180	U	180	360	ug/Kg

Raw Data: **BM047320.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-911-K1-SO-0-0.5-081924	SDG No.:	P3671
Lab Sample ID:	P3671-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	46.9
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047320.D	1	08/21/24 08:50	08/22/24 17:10	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
50-32-8	Benzo(a)pyrene	200	U	200	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	170	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	170	360	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	U	170	360	ug/Kg
123-91-1	1,4-Dioxane	230	U	230	360	ug/Kg
90-12-0	1-Methylnaphthalene	180	U	180	360	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	74.9		30 (18) - 130 (112)	50%	SPK: 150
13127-88-3	Phenol-d6	73.3		30 (15) - 130 (107)	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.2		30 (18) - 130 (107)	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.7		30 (20) - 130 (109)	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	83.8		30 (10) - 130 (116)	56%	SPK: 150
1718-51-0	Terphenyl-d14	56.0		30 (10) - 130 (105)	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	310000	7.351			
1146-65-2	Naphthalene-d8	1170000	10.104			
15067-26-2	Acenaphthene-d10	768000	14.01			
1517-22-2	Phenanthrene-d10	1590000	16.774			
1719-03-5	Chrysene-d12	1300000	21.015			
1520-96-3	Perylene-d12	1240000	23.709			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047320.D
Acq On : 22 Aug 2024 17:10
Operator : RC/JU
Sample : P3671-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0-0.5-081924

Quant Time: Aug 22 17:53:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

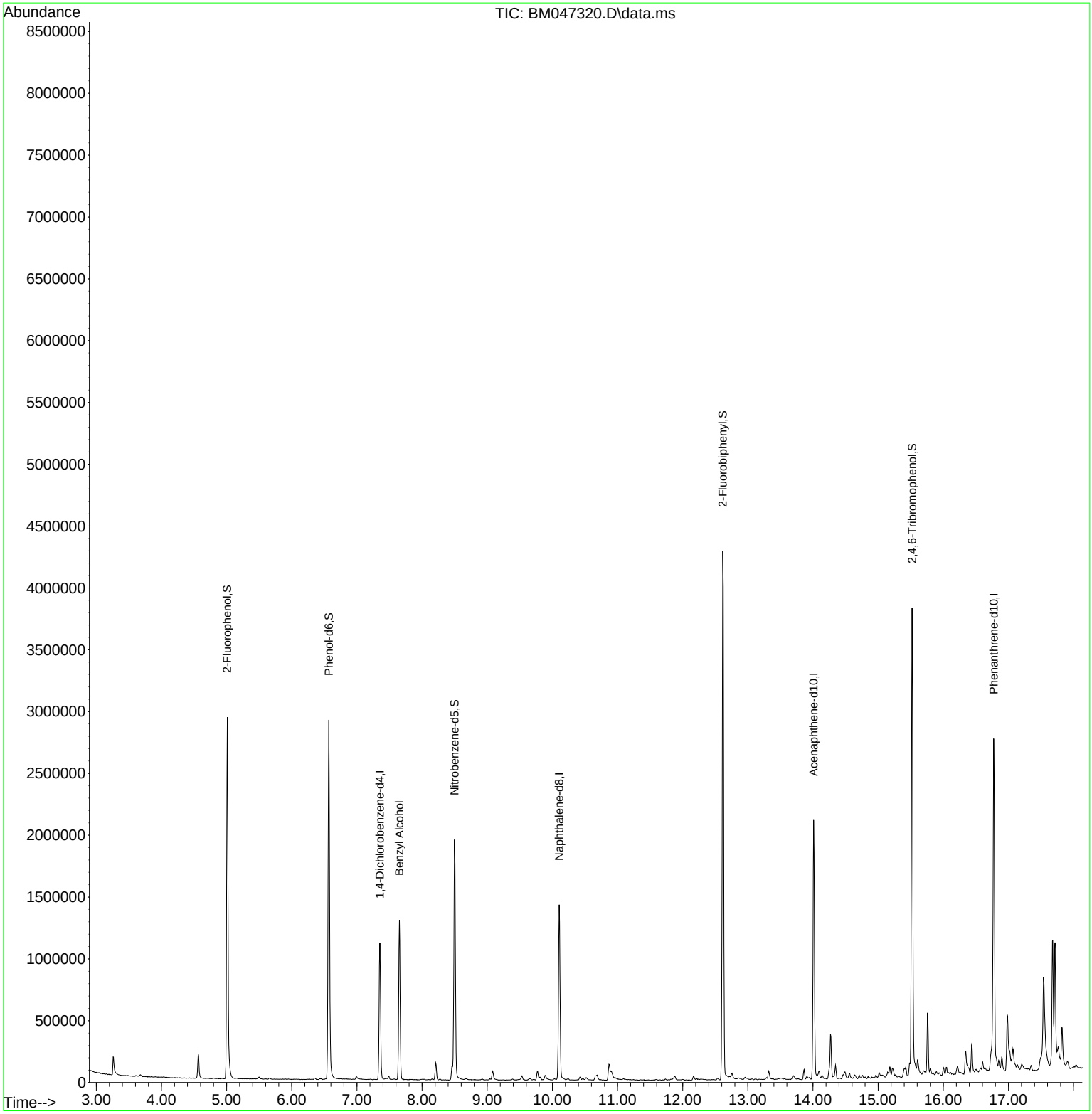
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	309540	20.000	ng	-0.02
21) Naphthalene-d8	10.104	136	1172567	20.000	ng	-0.03
39) Acenaphthene-d10	14.010	164	767719	20.000	ng	-0.02
64) Phenanthrene-d10	16.774	188	1594337	20.000	ng	-0.02
76) Chrysene-d12	21.015	240	1299711	20.000	ng	-0.02
86) Perylene-d12	23.709	264	1239809	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1297926	74.924	ng	-0.01
7) Phenol-d6	6.569	99	1749997	73.314	ng	-0.02
23) Nitrobenzene-d5	8.498	82	1146292	49.225	ng	-0.02
42) 2,4,6-Tribromophenol	15.521	330	745757	83.776	ng	-0.02
45) 2-Fluorobiphenyl	12.616	172	2422548	48.675	ng	-0.03
79) Terphenyl-d14	19.445	244	3398998	56.037	ng	-0.02
Target Compounds						Qvalue
15) Benzyl Alcohol	7.651	79	24720	1.455	ng	# 1

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047320.D
Acq On : 22 Aug 2024 17:10
Operator : RC/JU
Sample : P3671-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0-0.5-081924

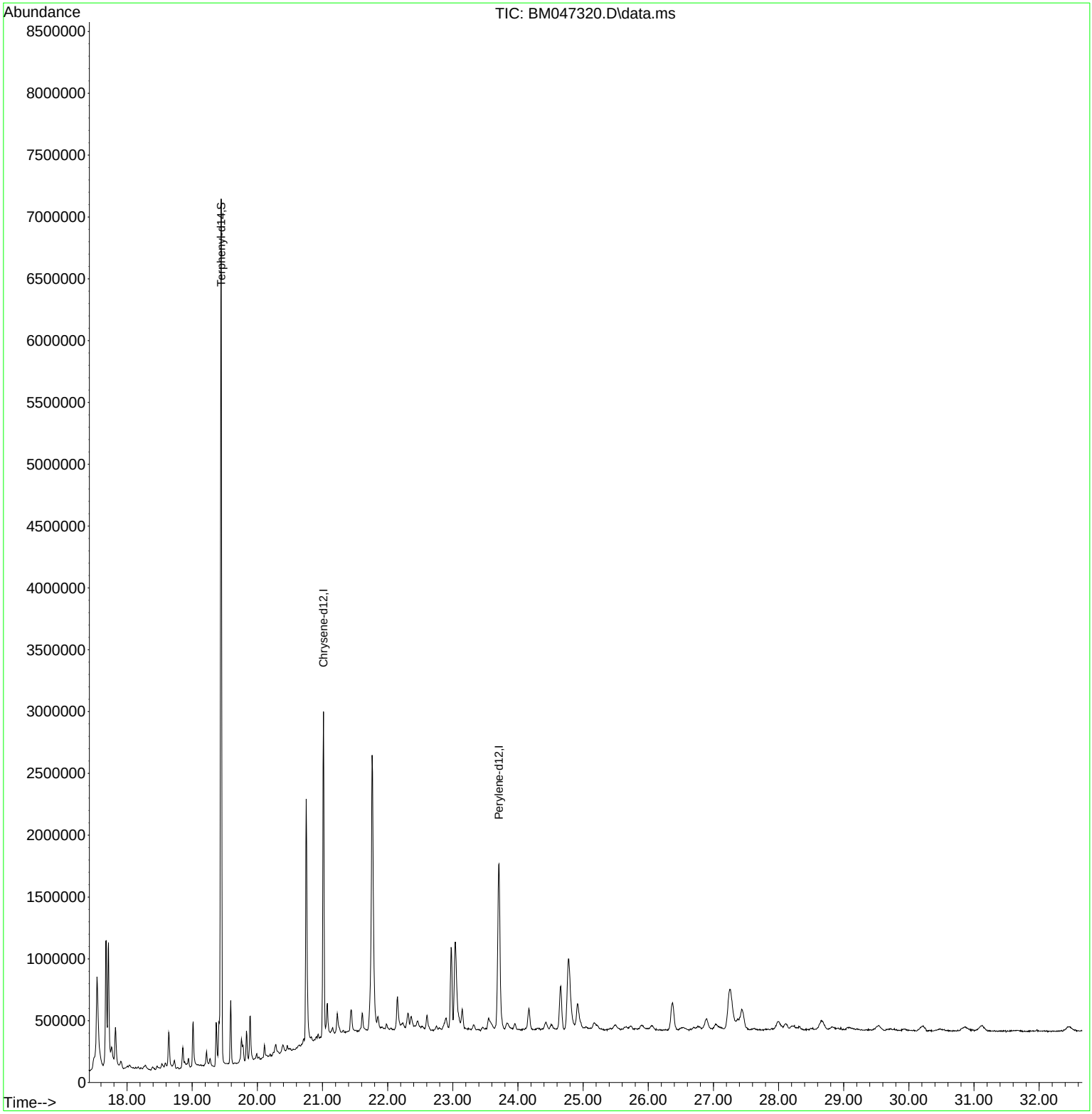
Quant Time: Aug 22 17:53:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

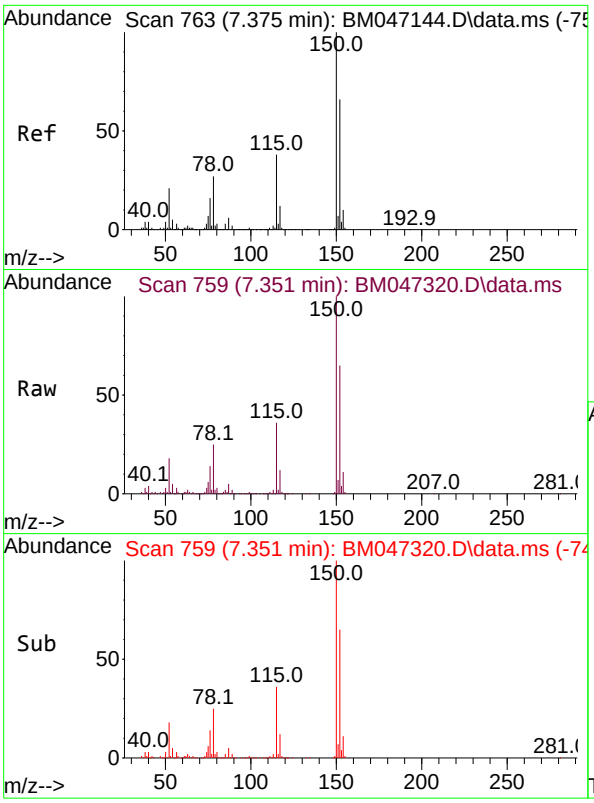


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047320.D
Acq On : 22 Aug 2024 17:10
Operator : RC/JU
Sample : P3671-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0-0.5-081924

Quant Time: Aug 22 17:53:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration



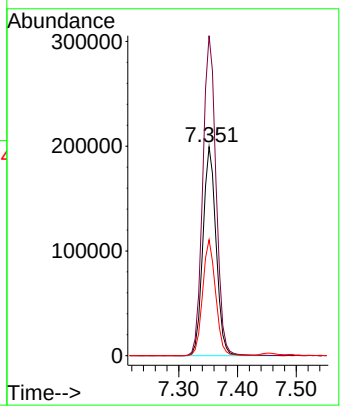


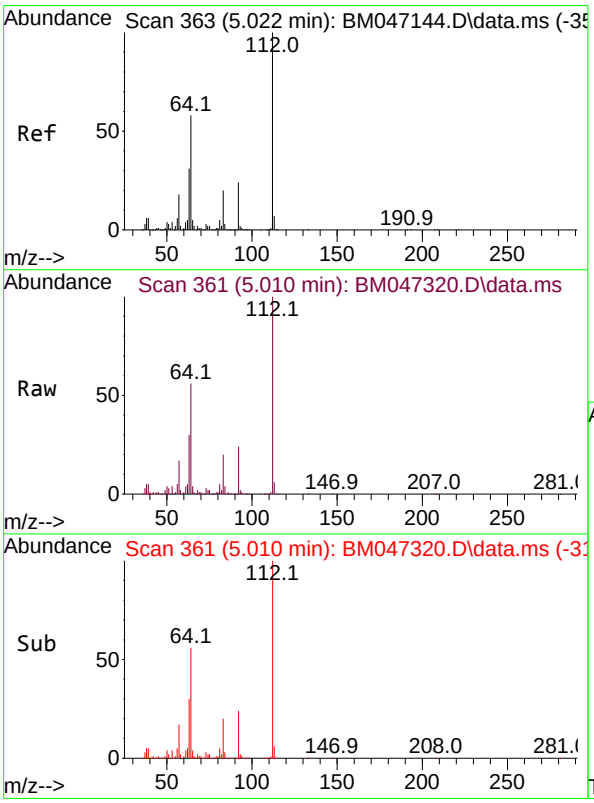
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 7
Delta R.T. -0.024 min
Lab File: BM047320.D
Acq: 22 Aug 2024 17:10

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0-0.5-081924

Tgt Ion:152 Resp: 309540

Ion	Ratio	Lower	Upper
152	100		
150	153.2	120.5	180.7
115	55.5	45.5	68.3

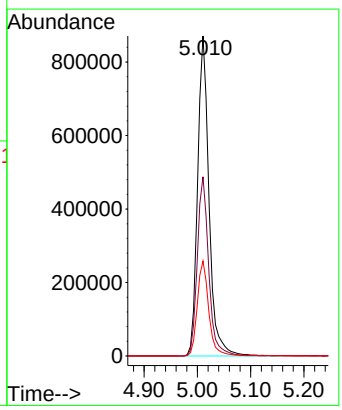


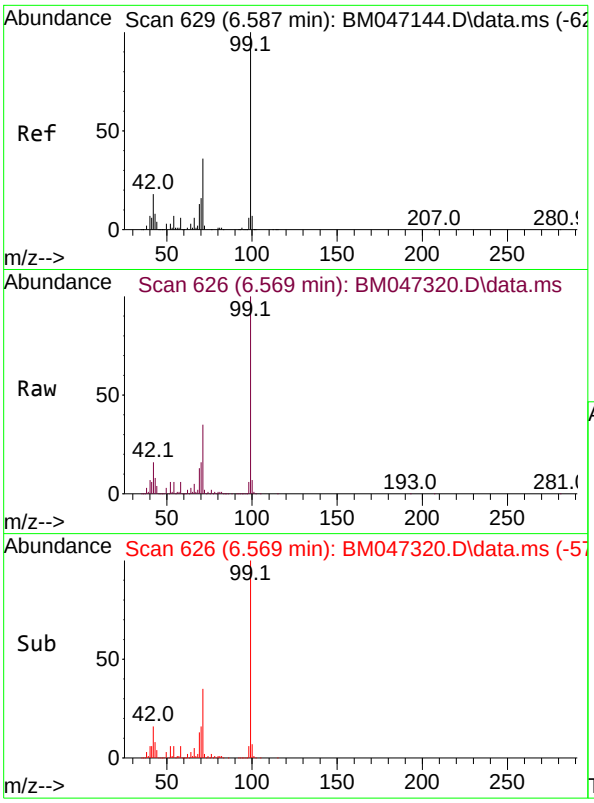


#5
2-Fluorophenol
Concen: 74.924 ng
RT: 5.010 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047320.D
Acq: 22 Aug 2024 17:10

Tgt Ion:112 Resp: 1297926

Ion	Ratio	Lower	Upper
112	100		
64	56.0	46.7	70.1
63	29.7	24.8	37.2



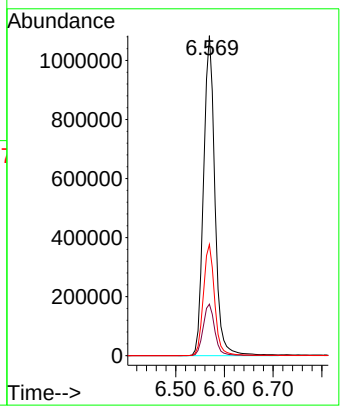


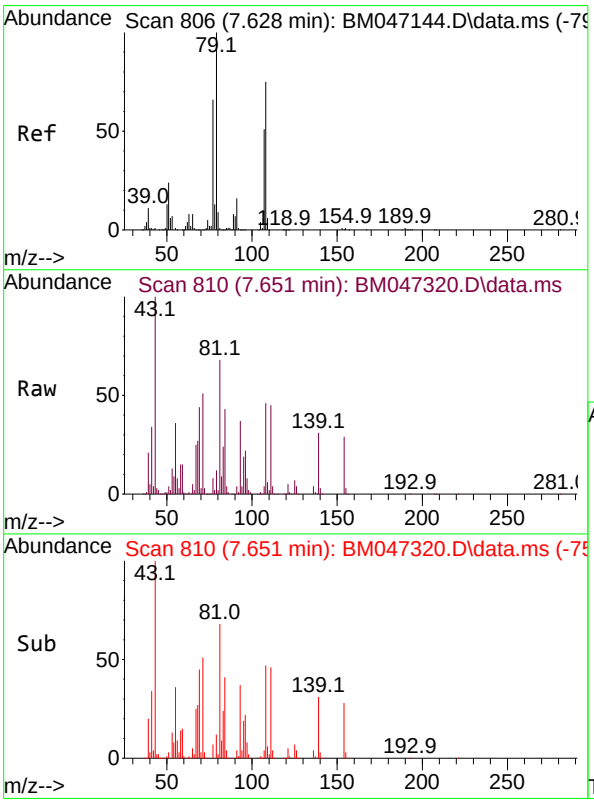
#7
Phenol-d6
Concen: 73.314 ng
RT: 6.569 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM047320.D
Acq: 22 Aug 2024 17:10

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0-0.5-081924

Tgt Ion: 99 Resp: 1749997

Ion	Ratio	Lower	Upper
99	100		
42	16.1	14.1	21.1
71	34.7	28.5	42.7

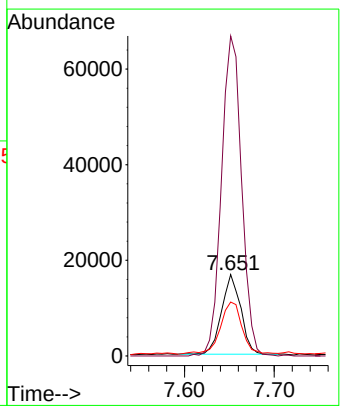


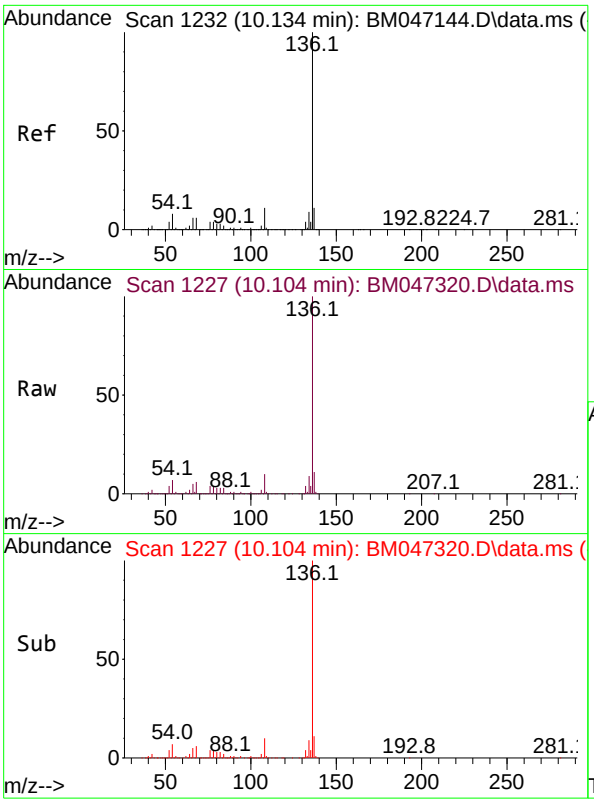


#15
Benzyl Alcohol
Concen: 1.455 ng
RT: 7.651 min Scan# 810
Delta R.T. 0.023 min
Lab File: BM047320.D
Acq: 22 Aug 2024 17:10

Tgt Ion: 79 Resp: 24720

Ion	Ratio	Lower	Upper
79	100		
108	392.6	59.7	89.5#
77	66.3	52.9	79.3



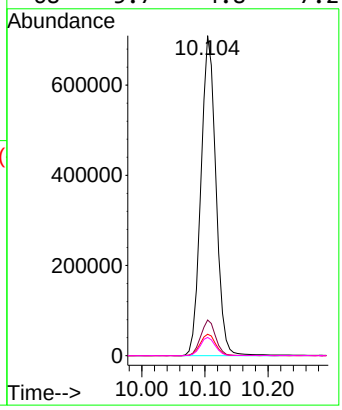


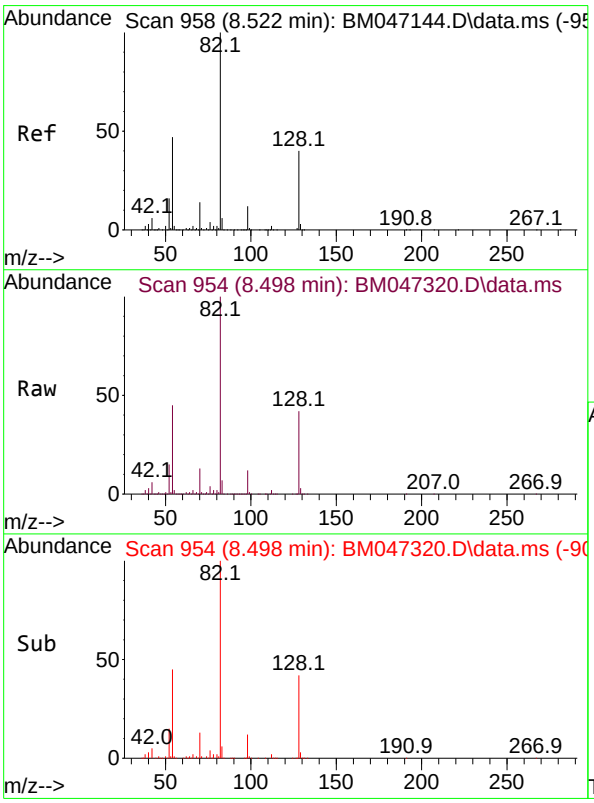
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.029 min
Lab File: BM047320.D
Acq: 22 Aug 2024 17:10

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0-0.5-081924

Tgt Ion:136 Resp: 1172567

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	6.7	6.0	9.0
68	5.7	4.8	7.2

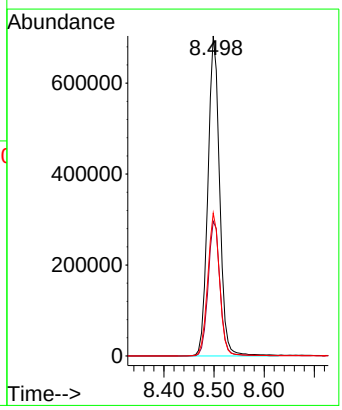


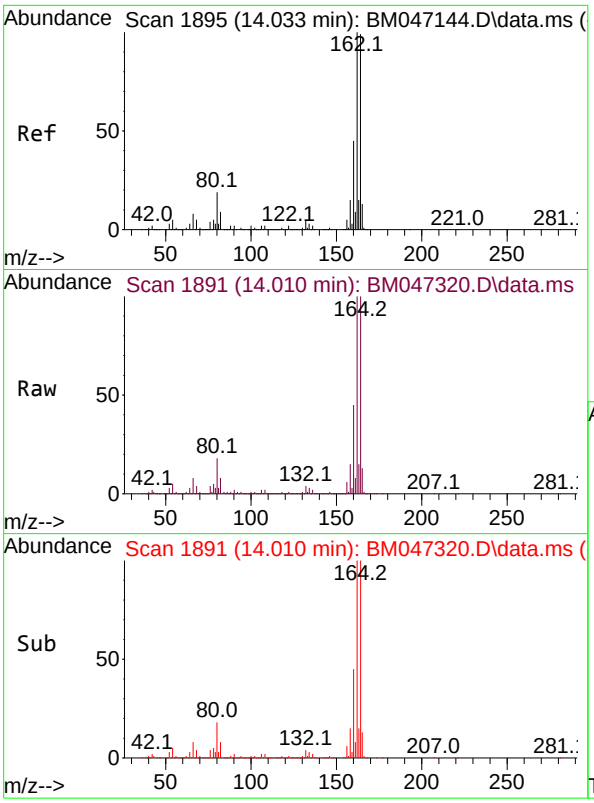


#23
Nitrobenzene-d5
Concen: 49.225 ng
RT: 8.498 min Scan# 954
Delta R.T. -0.024 min
Lab File: BM047320.D
Acq: 22 Aug 2024 17:10

Tgt Ion: 82 Resp: 1146292

Ion	Ratio	Lower	Upper
82	100		
128	42.1	32.3	48.5
54	44.7	37.4	56.2



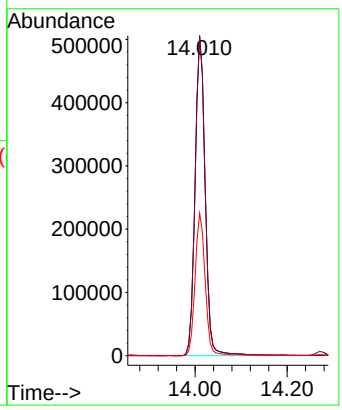


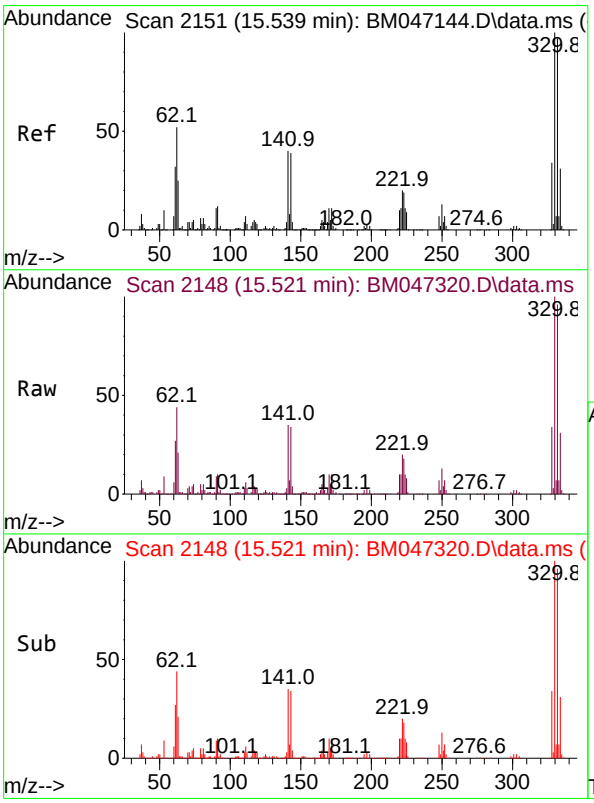
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047320.D
Acq: 22 Aug 2024 17:10

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0-0.5-081924

Tgt Ion:164 Resp: 767719

Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.7	121.1
160	44.5	36.0	54.0

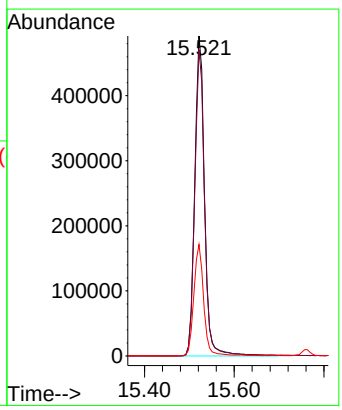


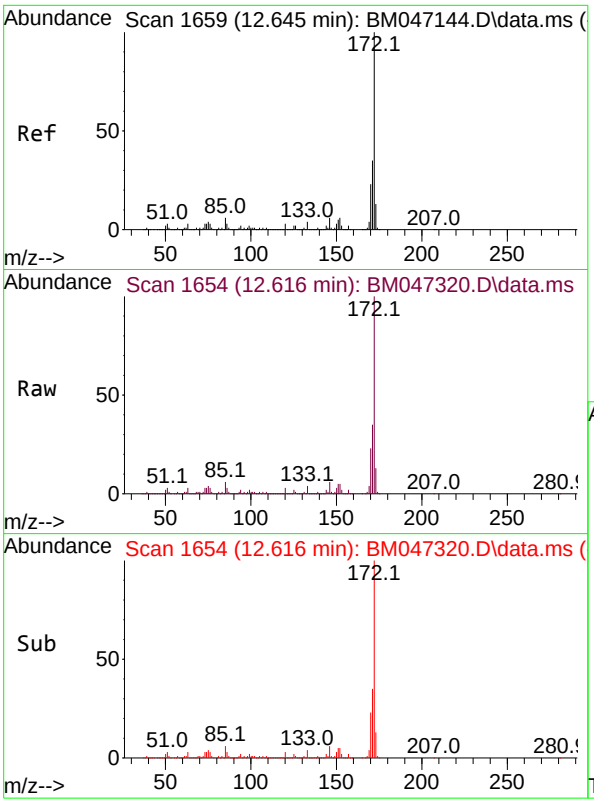


#42
2,4,6-Tribromophenol
Concen: 83.776 ng
RT: 15.521 min Scan# 2148
Delta R.T. -0.018 min
Lab File: BM047320.D
Acq: 22 Aug 2024 17:10

Tgt Ion:330 Resp: 745757

Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.4	116.2
141	35.4	31.6	47.4



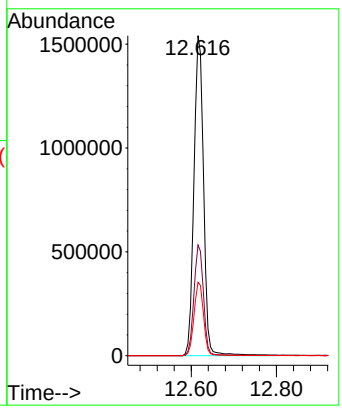


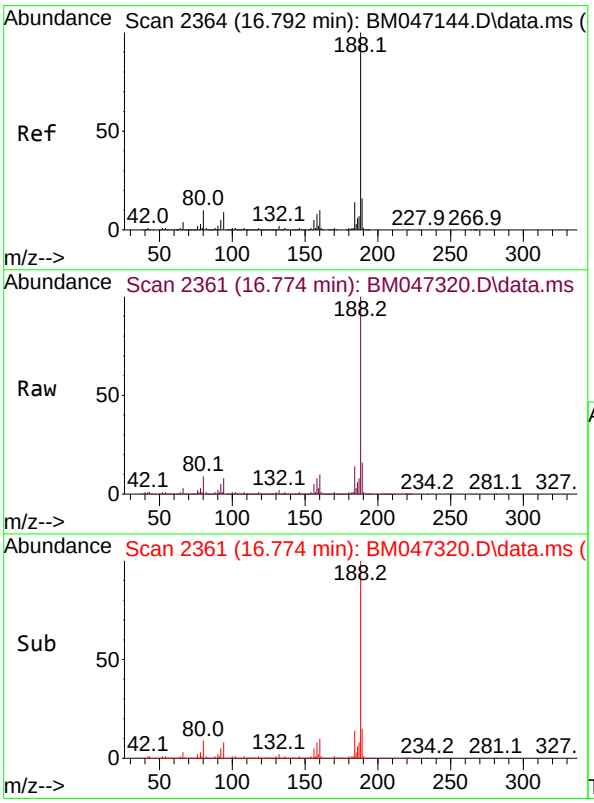
#45
2-Fluorobiphenyl
Concen: 48.675 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.029 min
Lab File: BM047320.D
Acq: 22 Aug 2024 17:10

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0-0.5-081924

Tgt Ion:172 Resp: 2422548

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	23.0	18.7	28.1

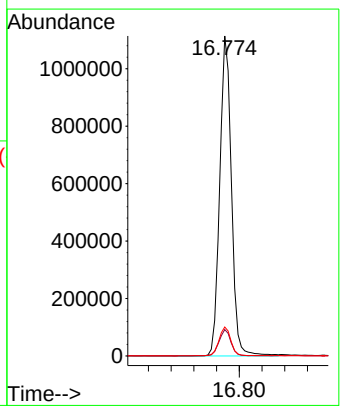


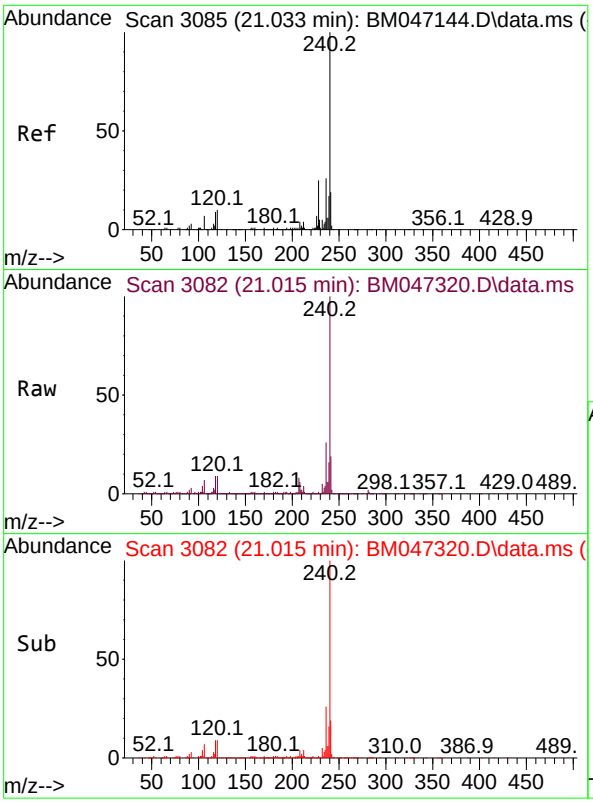


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.774 min Scan# 2361
Delta R.T. -0.018 min
Lab File: BM047320.D
Acq: 22 Aug 2024 17:10

Tgt Ion:188 Resp: 1594337

Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.0	10.6
80	9.0	8.0	12.0



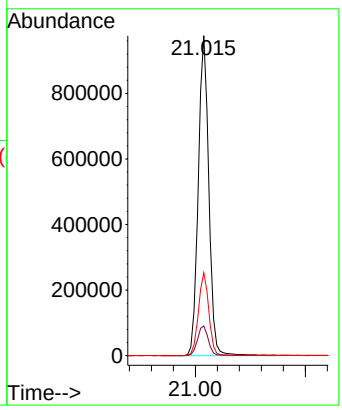


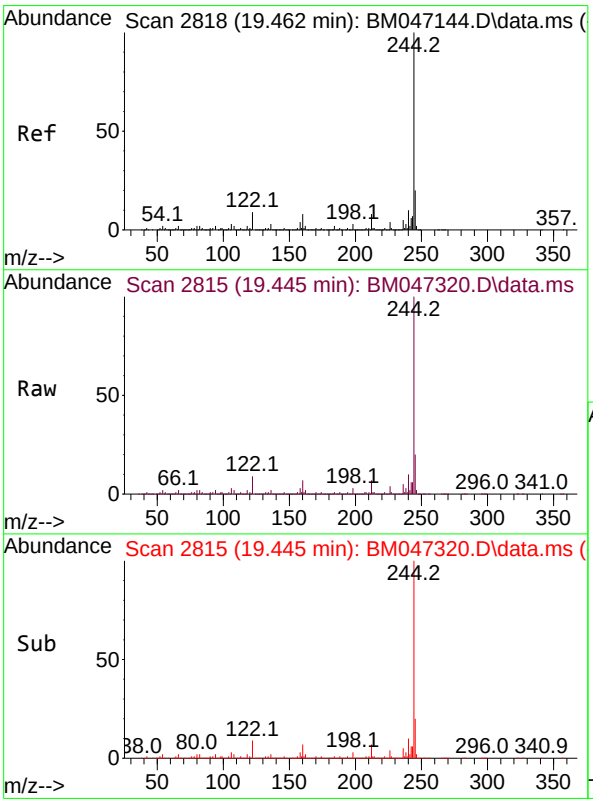
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.015 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM047320.D
Acq: 22 Aug 2024 17:10

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0-0.5-081924

Tgt Ion:240 Resp: 1299711

Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.2	12.2
236	25.9	20.6	30.8

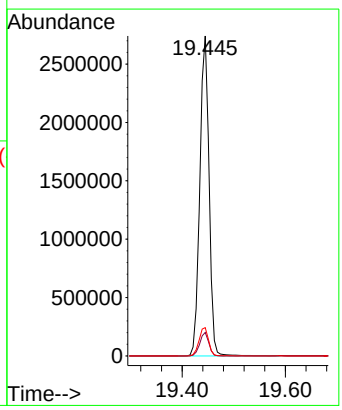


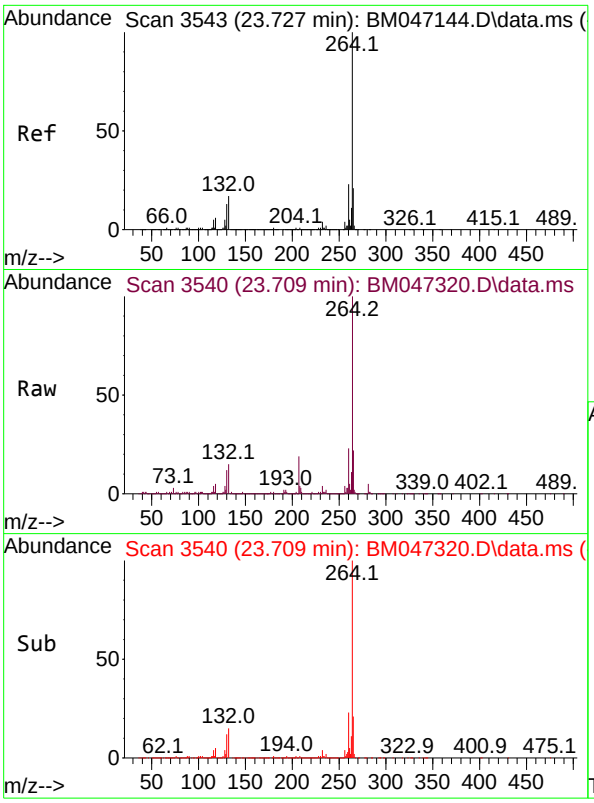


#79
Terphenyl-d14
Concen: 56.037 ng
RT: 19.445 min Scan# 2815
Delta R.T. -0.018 min
Lab File: BM047320.D
Acq: 22 Aug 2024 17:10

Tgt Ion:244 Resp: 3398998

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.2	9.4
122	8.9	7.1	10.7



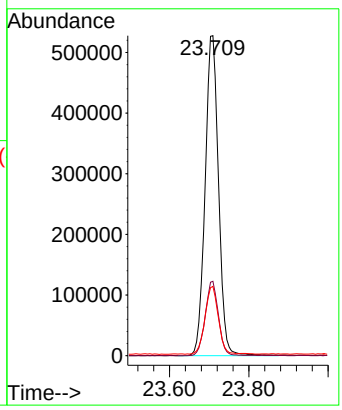


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.709 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM047320.D
Acq: 22 Aug 2024 17:10

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0-0.5-081924

Tgt Ion:264 Resp: 1239809

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	21.7	17.3	25.9



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-911-K1-SO-0.5-1-081924	SDG No.:	P3671
Lab Sample ID:	P3671-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	56
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047321.D	1	08/21/24 08:50	08/22/24 17:50	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	140	U	140	300	ug/Kg
100-52-7	Benzaldehyde	320	U	320	590	ug/Kg
95-48-7	2-Methylphenol	140	U	140	300	ug/Kg
65794-96-9	3+4-Methylphenols	140	U	140	590	ug/Kg
67-72-1	Hexachloroethane	150	U	150	300	ug/Kg
98-95-3	Nitrobenzene	160	U	160	300	ug/Kg
91-20-3	Naphthalene	150	U	150	300	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	150	300	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	150	300	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	130	300	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	130	300	ug/Kg
208-96-8	Acenaphthylene	150	U	150	300	ug/Kg
83-32-9	Acenaphthene	140	U	140	300	ug/Kg
132-64-9	Dibenzofuran	150	U	150	300	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	150	300	ug/Kg
86-73-7	Fluorene	150	U	150	300	ug/Kg
118-74-1	Hexachlorobenzene	150	U	150	300	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	590	ug/Kg
85-01-8	Phenanthrene	150	U	150	300	ug/Kg
120-12-7	Anthracene	150	U	150	300	ug/Kg
86-74-8	Carbazole	140	U	140	300	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	150	300	ug/Kg
206-44-0	Fluoranthene	150	U	150	300	ug/Kg
129-00-0	Pyrene	150	U	150	300	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	140	300	ug/Kg
218-01-9	Chrysene	140	U	140	300	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	160	300	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	140	300	ug/Kg
207-08-9	Benzo(k)fluoranthene	150	U	150	300	ug/Kg

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-911-K1-SO-0.5-1-081924	SDG No.:	P3671
Lab Sample ID:	P3671-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	56
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047321.D	1	08/21/24 08:50	08/22/24 17:50	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
50-32-8	Benzo(a)pyrene	170	U	170	300	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	140	300	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	140	300	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	140	300	ug/Kg
123-91-1	1,4-Dioxane	200	U	200	300	ug/Kg
90-12-0	1-Methylnaphthalene	150	U	150	300	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	73.0		30 (18) - 130 (112)	49%	SPK: 150
13127-88-3	Phenol-d6	72.6		30 (15) - 130 (107)	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.9		30 (18) - 130 (107)	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.2		30 (20) - 130 (109)	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	80.7		30 (10) - 130 (116)	54%	SPK: 150
1718-51-0	Terphenyl-d14	49.3		30 (10) - 130 (105)	49%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	279000	7.351			
1146-65-2	Naphthalene-d8	1070000	10.104			
15067-26-2	Acenaphthene-d10	711000	14.01			
1517-22-2	Phenanthrene-d10	1470000	16.774			
1719-03-5	Chrysene-d12	1280000	21.015			
1520-96-3	Perylene-d12	1220000	23.709			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047321.D
Acq On : 22 Aug 2024 17:50
Operator : RC/JU
Sample : P3671-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0.5-1-081924

Quant Time: Aug 22 18:30:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	278538	20.000	ng	-0.02
21) Naphthalene-d8	10.104	136	1071089	20.000	ng	-0.03
39) Acenaphthene-d10	14.010	164	711312	20.000	ng	-0.02
64) Phenanthrene-d10	16.774	188	1465594	20.000	ng	-0.02
76) Chrysene-d12	21.015	240	1283781	20.000	ng	-0.02
86) Perylene-d12	23.709	264	1217788	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1137184	72.951	ng	-0.01
7) Phenol-d6	6.569	99	1559947	72.626	ng	-0.02
23) Nitrobenzene-d5	8.498	82	1041041	48.941	ng	-0.02
42) 2,4,6-Tribromophenol	15.521	330	665250	80.658	ng	-0.02
45) 2-Fluorobiphenyl	12.616	172	2131203	46.217	ng	-0.03
79) Terphenyl-d14	19.445	244	2953944	49.304	ng	-0.02
Target Compounds						Qvalue
15) Benzyl Alcohol	7.651	79	15849	1.037	ng	# 1
75) Fluoranthene	18.856	202	137110	1.533	ng	98
78) Pyrene	19.221	202	123615	1.349	ng	98
88) Benzo(b)fluoranthene	22.868	252	92431	1.278	ng	# 95

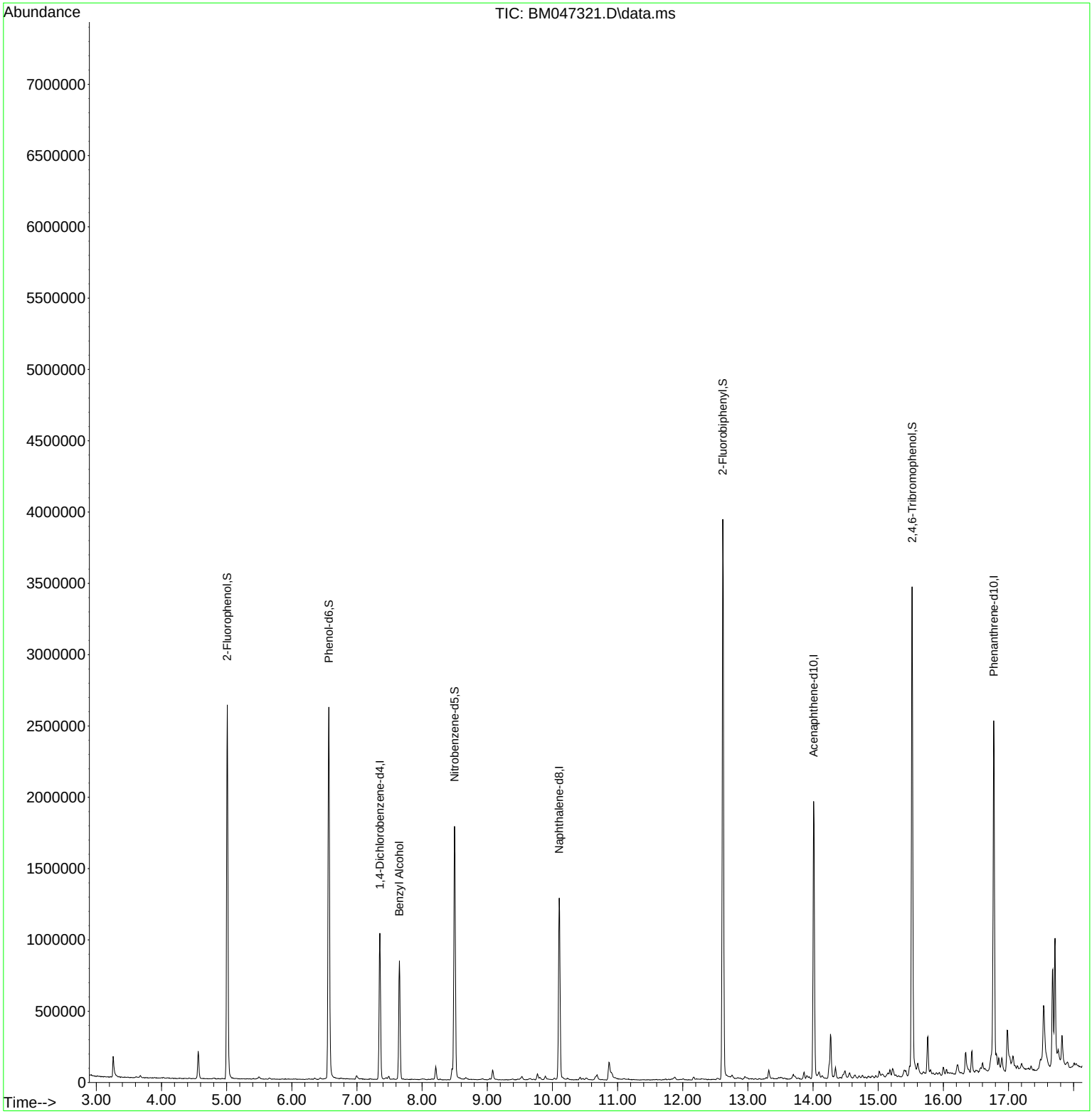
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **BM047321.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047321.D
Acq On : 22 Aug 2024 17:50
Operator : RC/JU
Sample : P3671-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0.5-1-081924

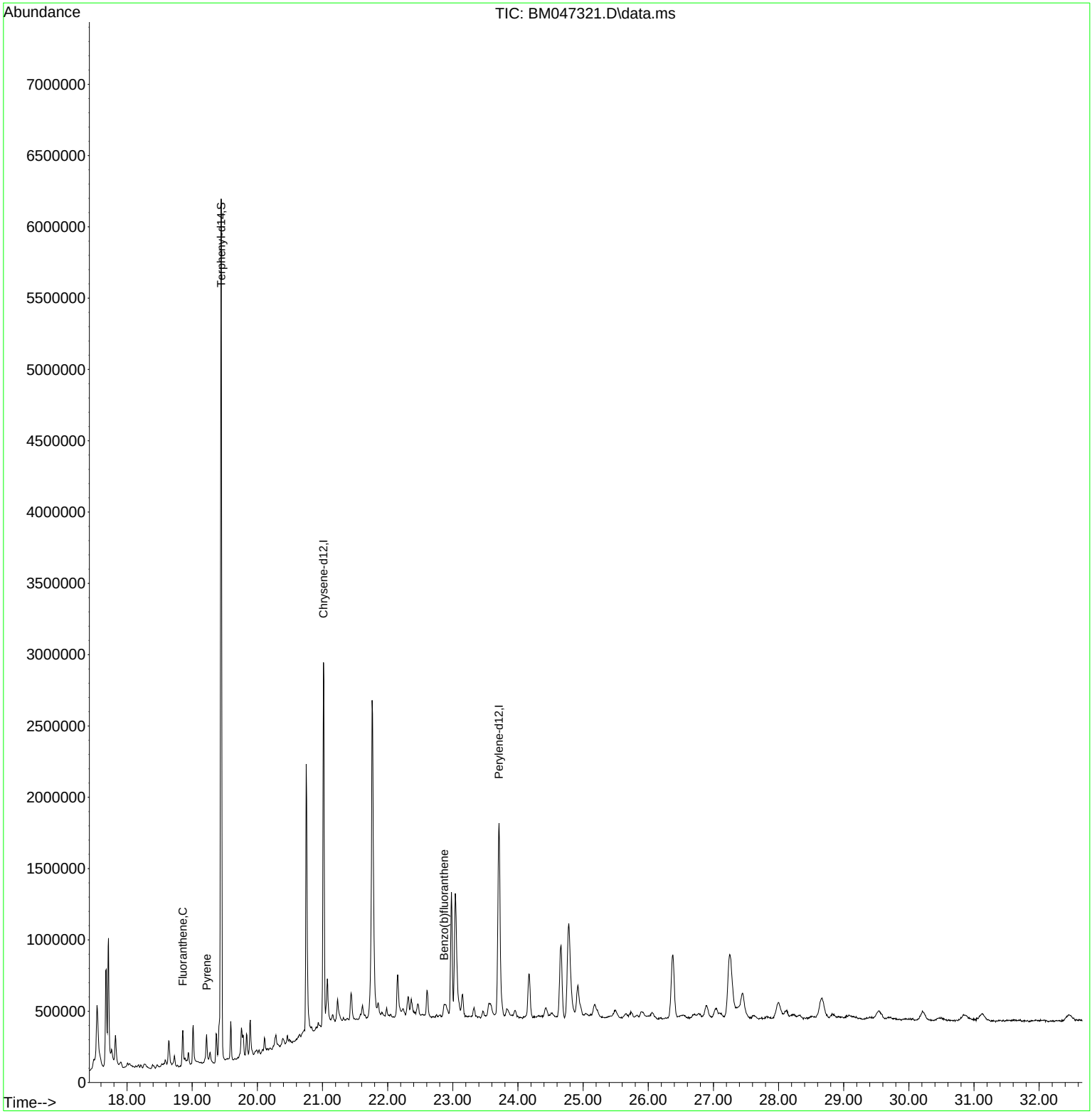
Quant Time: Aug 22 18:30:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

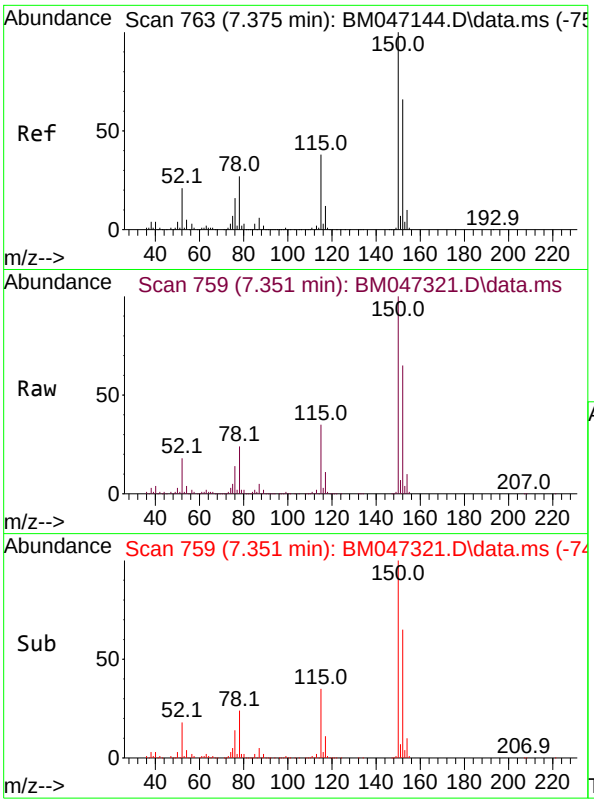


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047321.D
Acq On : 22 Aug 2024 17:50
Operator : RC/JU
Sample : P3671-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0.5-1-081924

Quant Time: Aug 22 18:30:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration



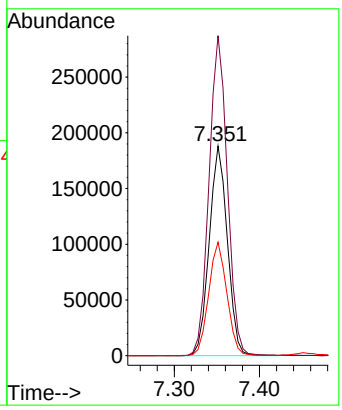


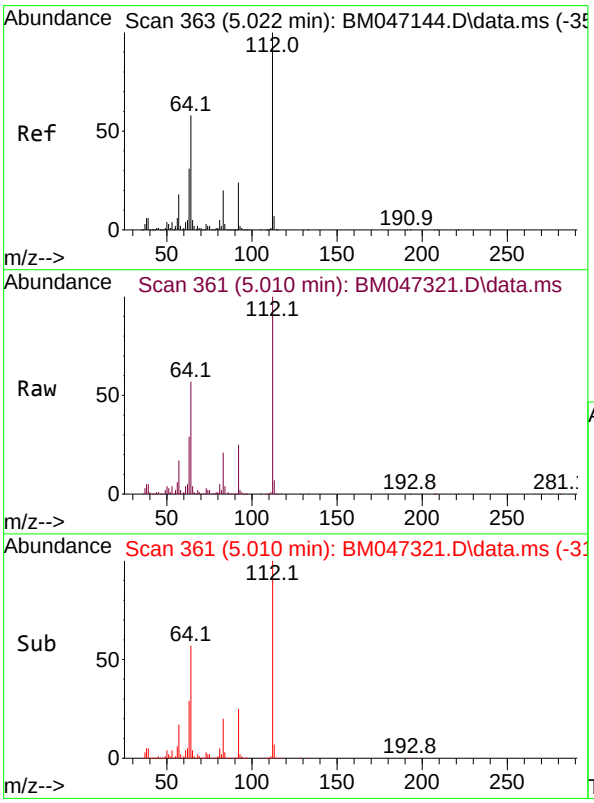
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 7
Delta R.T. -0.024 min
Lab File: BM047321.D
Acq: 22 Aug 2024 17:50

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0.5-1-081924

Tgt Ion:152 Resp: 278538

Ion	Ratio	Lower	Upper
152	100		
150	152.7	120.5	180.7
115	54.1	45.5	68.3

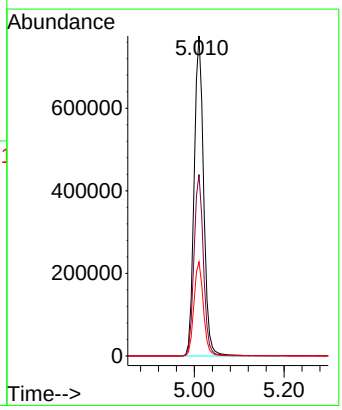


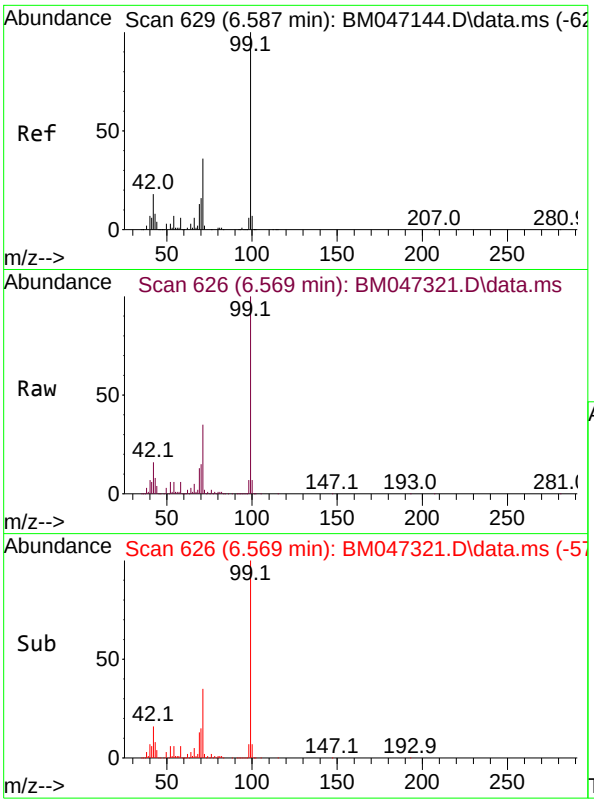


#5
2-Fluorophenol
Concen: 72.951 ng
RT: 5.010 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047321.D
Acq: 22 Aug 2024 17:50

Tgt Ion:112 Resp: 1137184

Ion	Ratio	Lower	Upper
112	100		
64	56.7	46.7	70.1
63	29.4	24.8	37.2



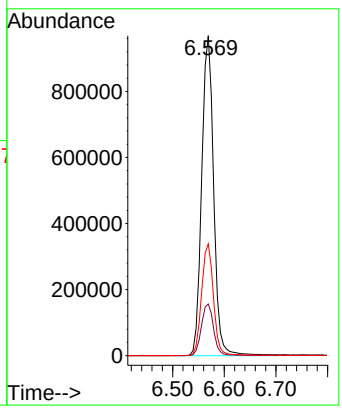


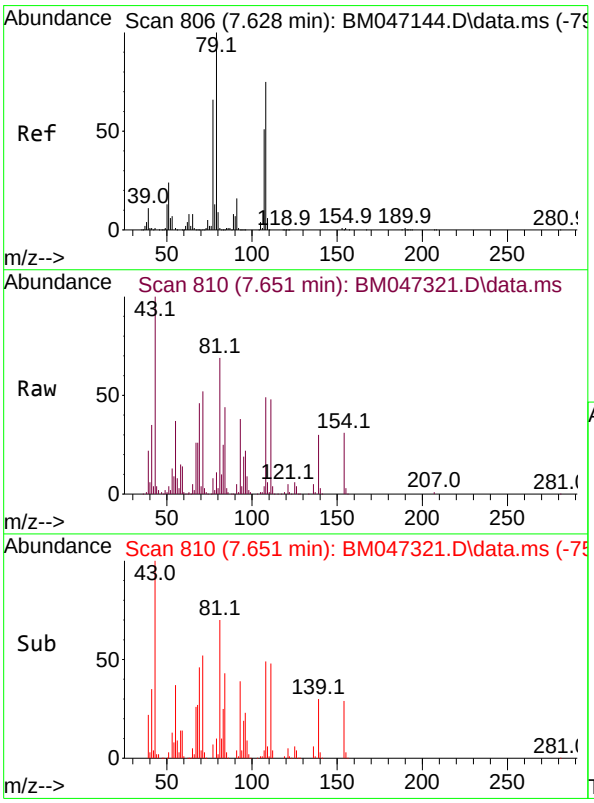
#7
Phenol-d6
Concen: 72.626 ng
RT: 6.569 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM047321.D
Acq: 22 Aug 2024 17:50

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0.5-1-081924

Tgt Ion: 99 Resp: 1559947

Ion	Ratio	Lower	Upper
99	100		
42	16.1	14.1	21.1
71	34.9	28.5	42.7

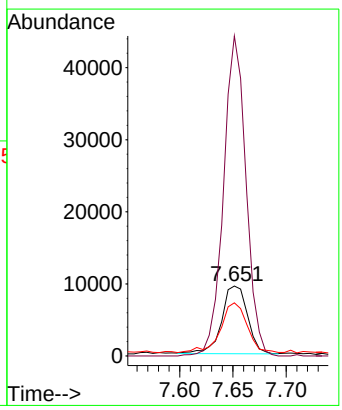


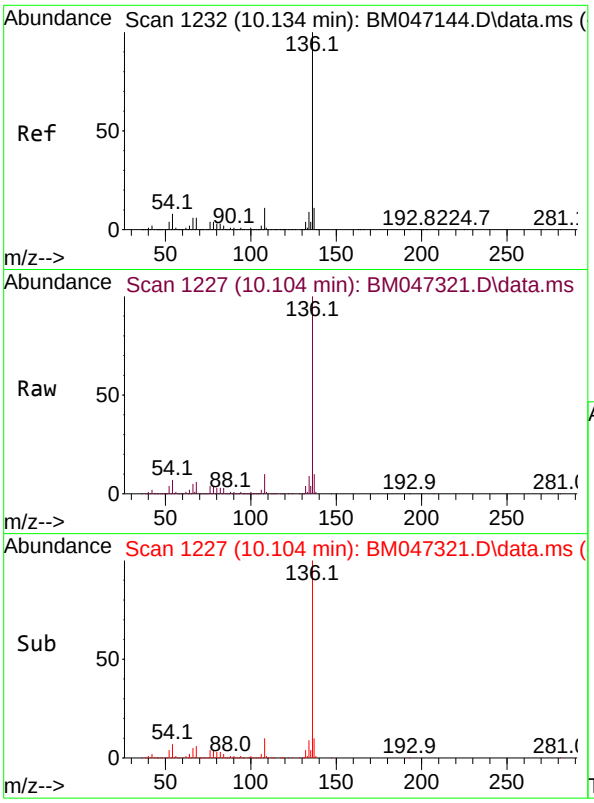


#15
Benzyl Alcohol
Concen: 1.037 ng
RT: 7.651 min Scan# 810
Delta R.T. 0.023 min
Lab File: BM047321.D
Acq: 22 Aug 2024 17:50

Tgt Ion: 79 Resp: 15849

Ion	Ratio	Lower	Upper
79	100		
108	457.2	59.7	89.5#
77	76.0	52.9	79.3



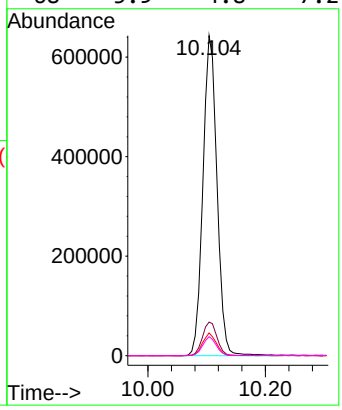


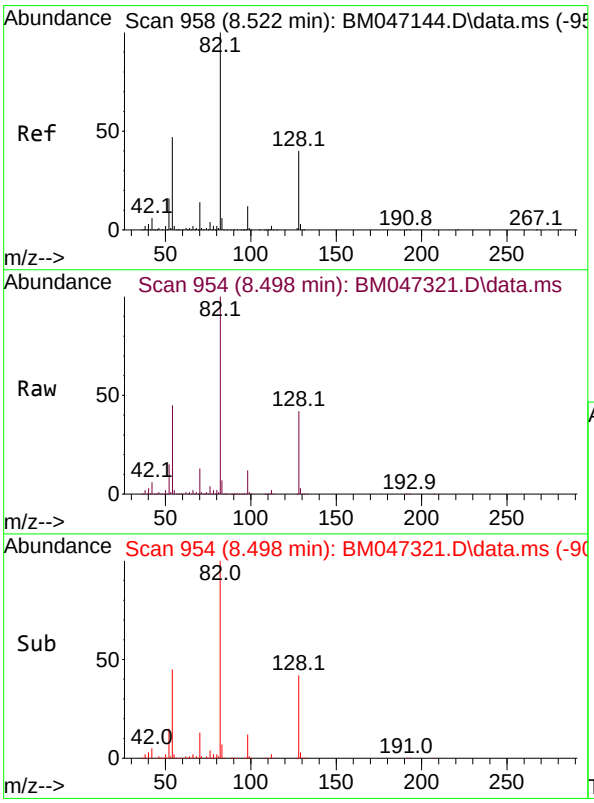
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.030 min
Lab File: BM047321.D
Acq: 22 Aug 2024 17:50

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0.5-1-081924

Tgt Ion:136 Resp: 1071089

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	7.1	6.0	9.0
68	5.9	4.8	7.2

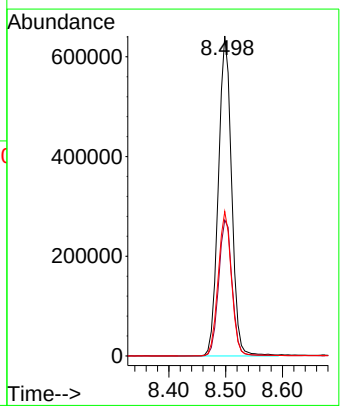


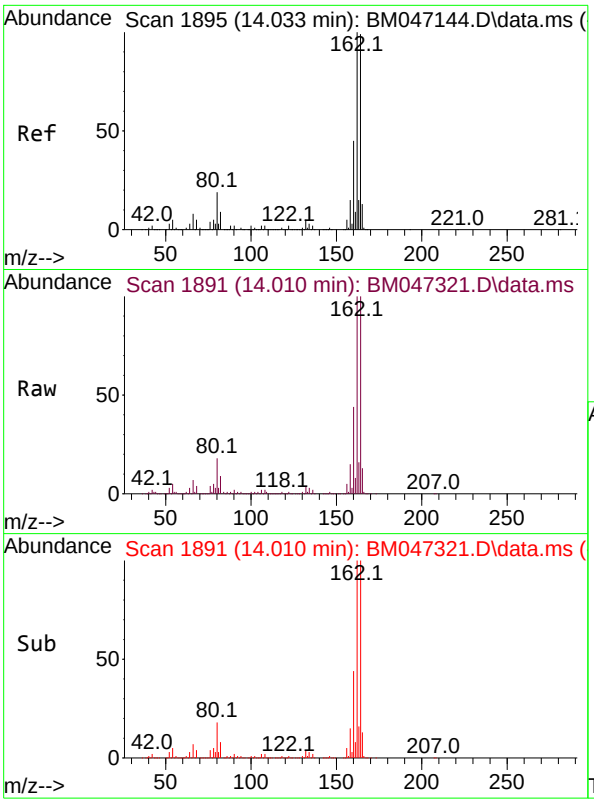


#23
Nitrobenzene-d5
Concen: 48.941 ng
RT: 8.498 min Scan# 954
Delta R.T. -0.024 min
Lab File: BM047321.D
Acq: 22 Aug 2024 17:50

Tgt Ion: 82 Resp: 1041041

Ion	Ratio	Lower	Upper
82	100		
128	42.4	32.3	48.5
54	45.2	37.4	56.2



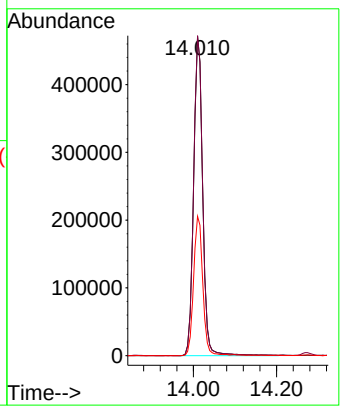


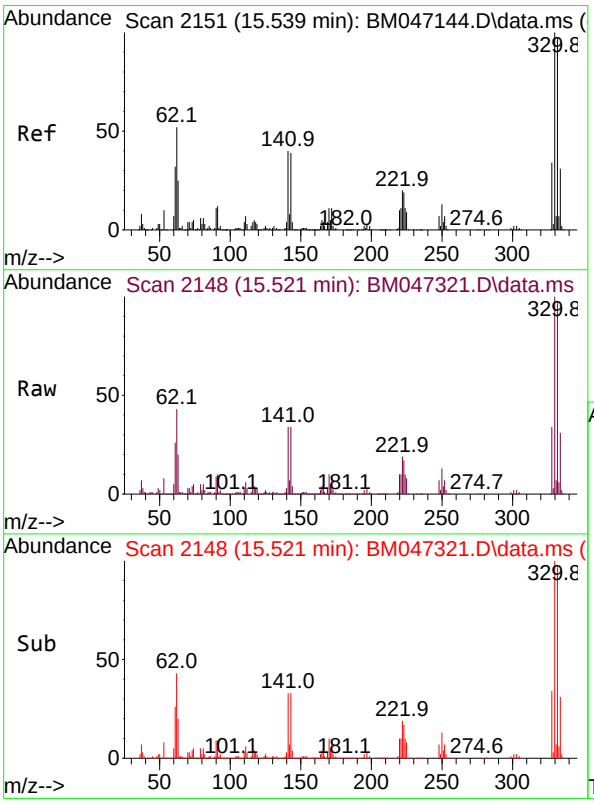
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047321.D
Acq: 22 Aug 2024 17:50

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0.5-1-081924

Tgt Ion:164 Resp: 711312

Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.7	121.1
160	43.7	36.0	54.0

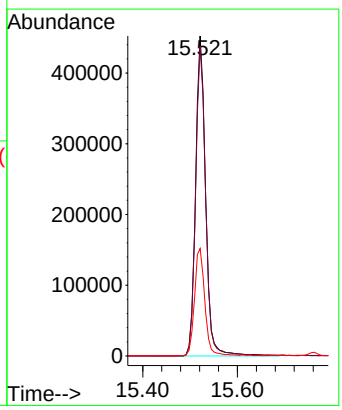


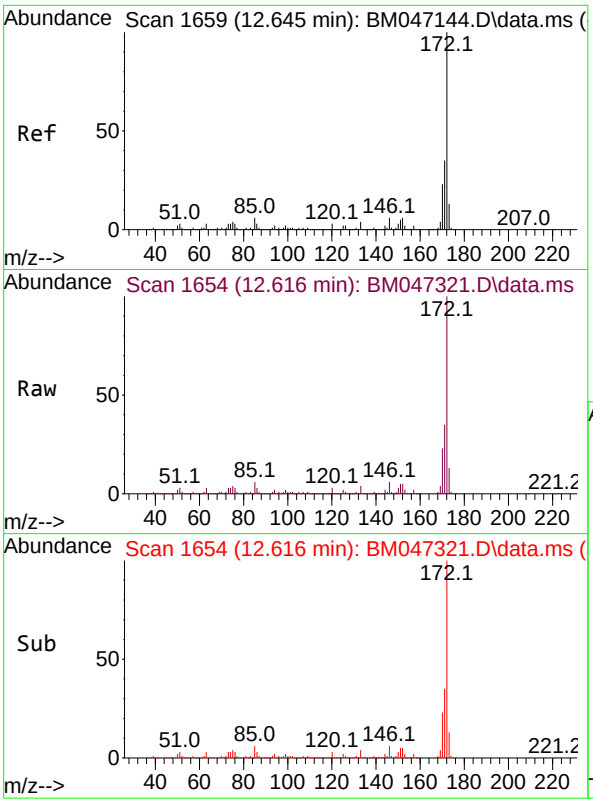


#42
2,4,6-Tribromophenol
Concen: 80.658 ng
RT: 15.521 min Scan# 2148
Delta R.T. -0.018 min
Lab File: BM047321.D
Acq: 22 Aug 2024 17:50

Tgt Ion:330 Resp: 665250

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.4	116.2
141	34.6	31.6	47.4



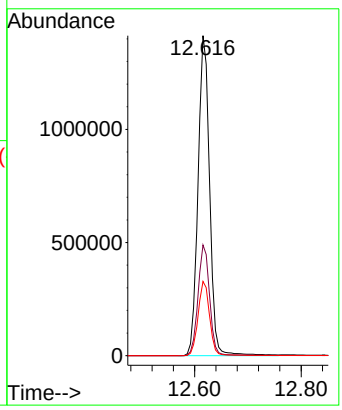


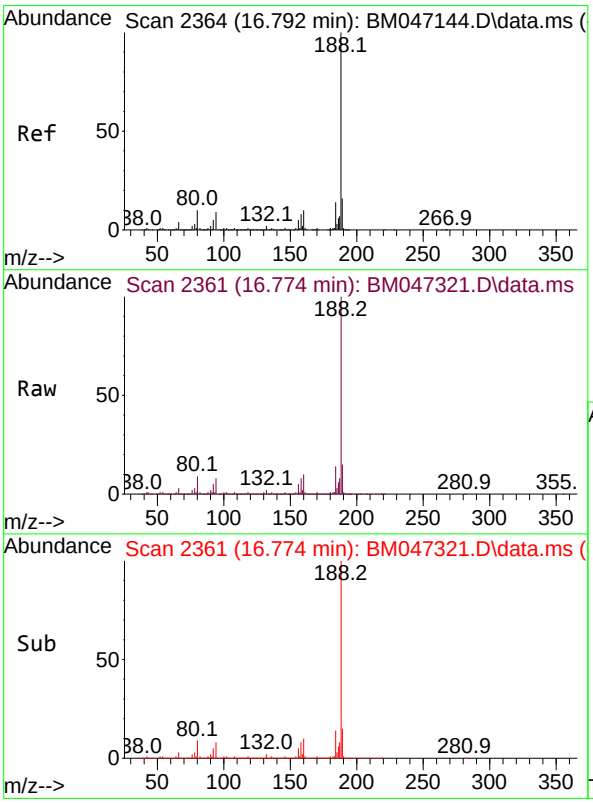
#45
2-Fluorobiphenyl
Concen: 46.217 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.029 min
Lab File: BM047321.D
Acq: 22 Aug 2024 17:50

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0.5-1-081924

Tgt Ion:172 Resp: 2131203

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	23.2	18.7	28.1

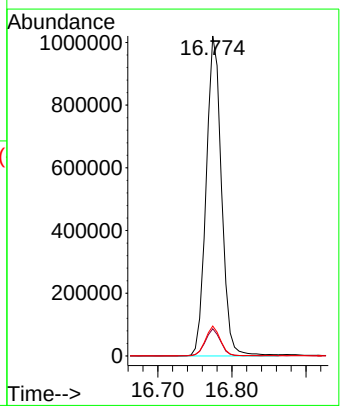


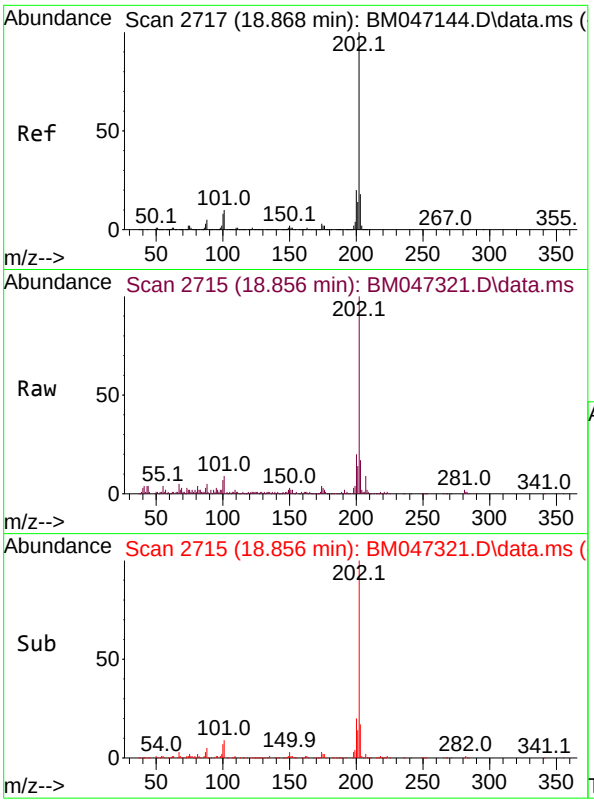


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.774 min Scan# 2361
Delta R.T. -0.018 min
Lab File: BM047321.D
Acq: 22 Aug 2024 17:50

Tgt Ion:188 Resp: 1465594

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.0	10.6
80	9.3	8.0	12.0



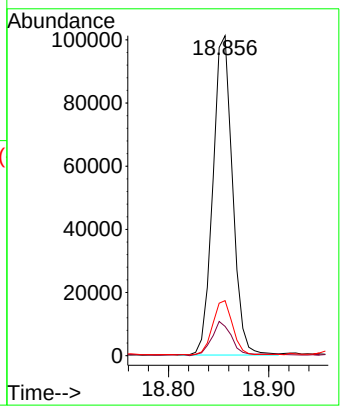


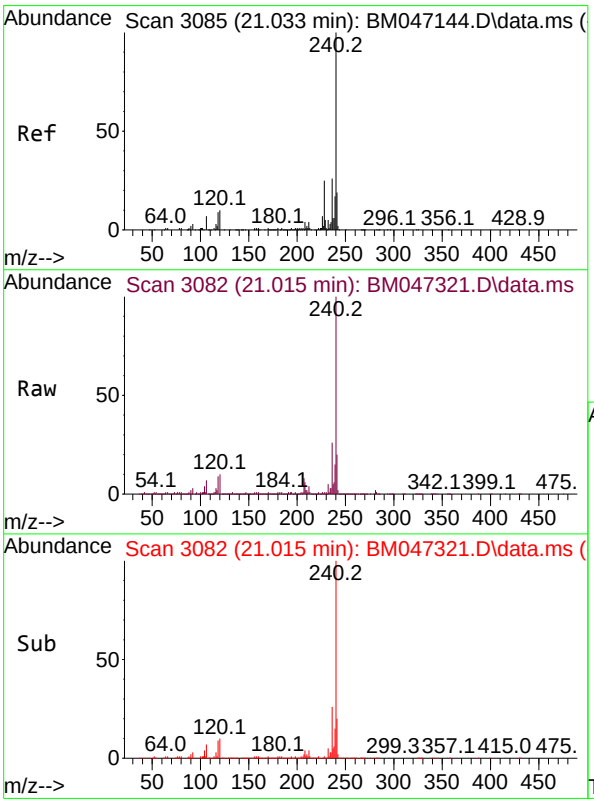
#75
Fluoranthene
Concen: 1.533 ng
RT: 18.856 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047321.D
Acq: 22 Aug 2024 17:50

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0.5-1-081924

Tgt Ion:202 Resp: 137110

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	30.2
203	17.2	0.0	37.6

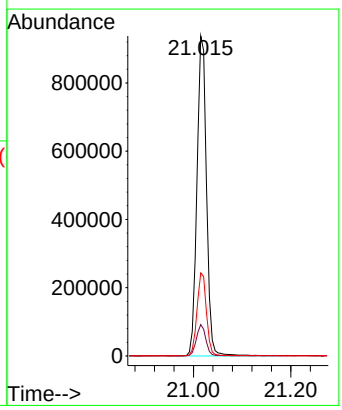


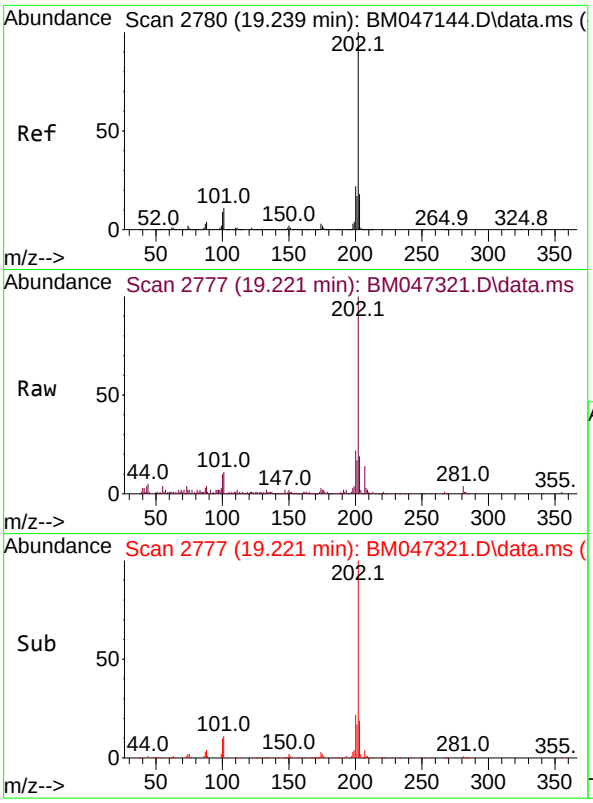


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.015 min Scan# 3082
Delta R.T. -0.018 min
Lab File: BM047321.D
Acq: 22 Aug 2024 17:50

Tgt Ion:240 Resp: 1283781

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.2	12.2
236	25.9	20.6	30.8



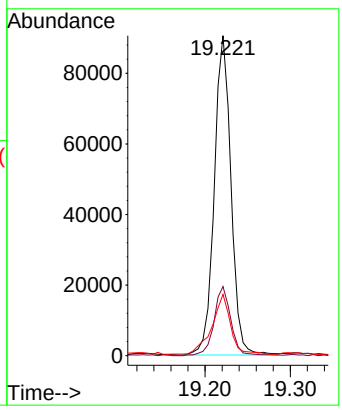


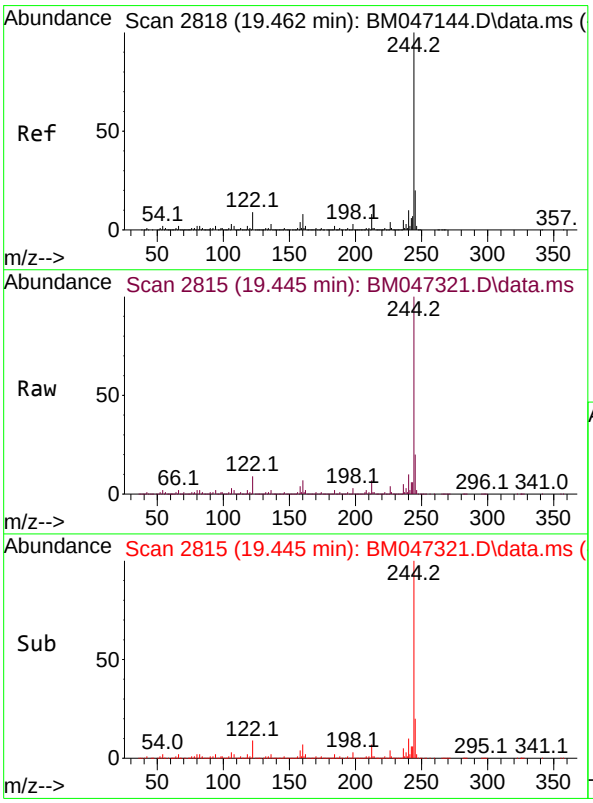
#78
Pyrene
Concen: 1.349 ng
RT: 19.221 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047321.D
Acq: 22 Aug 2024 17:50

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0.5-1-081924

Tgt Ion:202 Resp: 123615

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.2	25.8
203	19.2	14.2	21.2

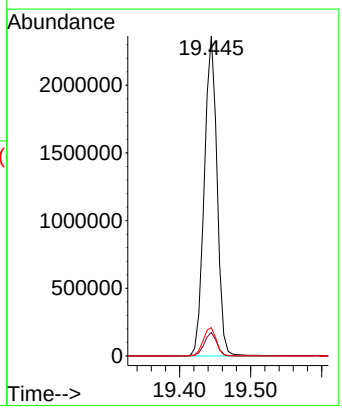


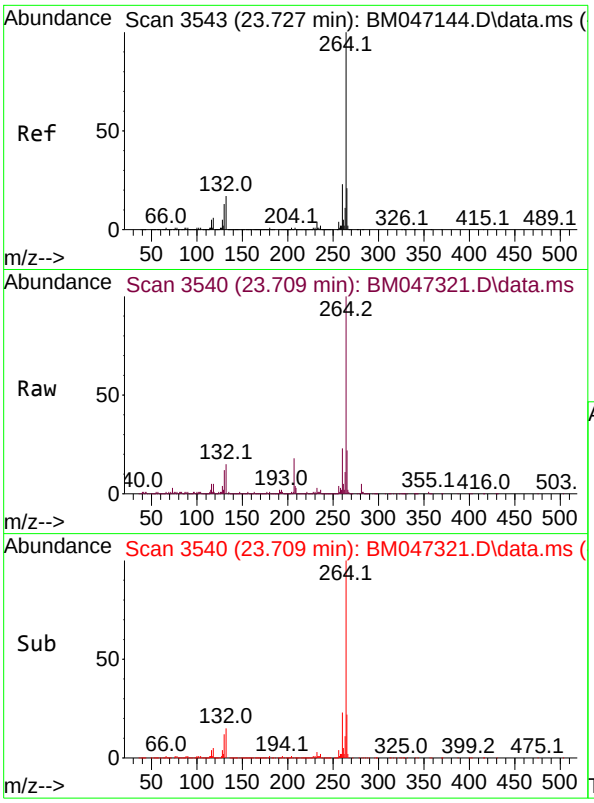


#79
Terphenyl-d14
Concen: 49.304 ng
RT: 19.445 min Scan# 2815
Delta R.T. -0.018 min
Lab File: BM047321.D
Acq: 22 Aug 2024 17:50

Tgt Ion:244 Resp: 2953944

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.2	9.4
122	8.8	7.1	10.7



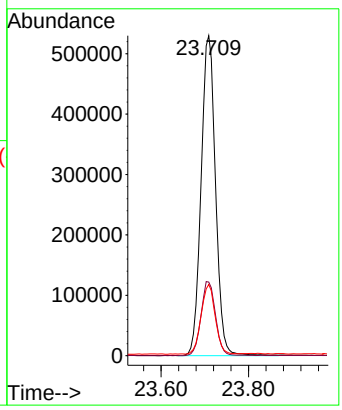


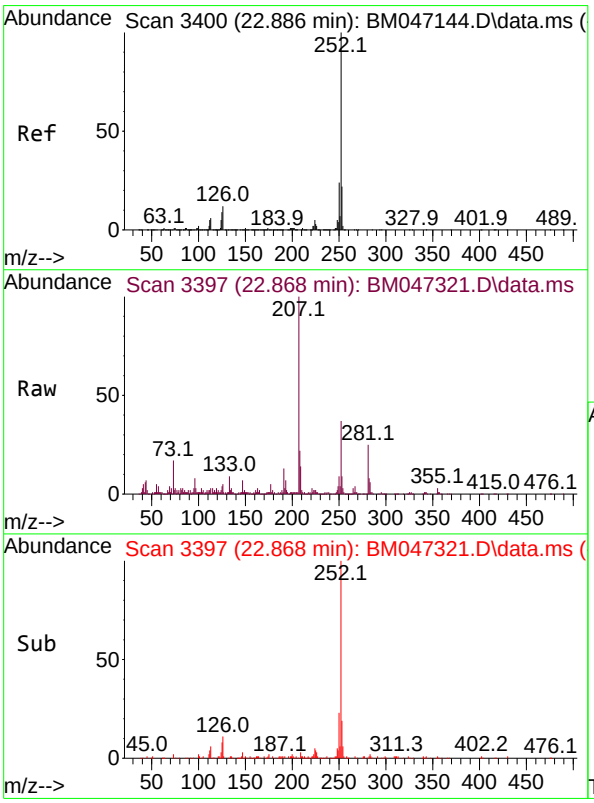
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.709 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM047321.D
Acq: 22 Aug 2024 17:50

Instrument :
BNA_M
ClientSampleId :
S-911-KI-SO-0.5-1-081924

Tgt Ion:264 Resp: 1217788

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	22.3	17.3	25.9

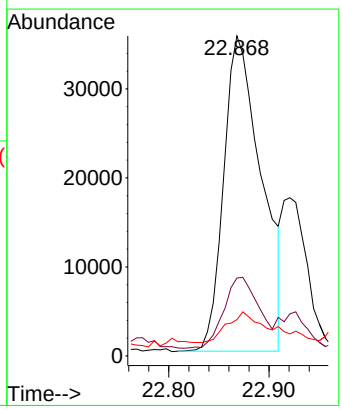




#88
Benzo(b)fluoranthene
Concen: 1.278 ng
RT: 22.868 min Scan# 3397
Delta R.T. -0.018 min
Lab File: BM047321.D
Acq: 22 Aug 2024 17:50

Tgt Ion:252 Resp: 92431

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	11.3	7.4	11.0#



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-911-K1-SO-0-0.5-081924-FD	SDG No.:	P3671
Lab Sample ID:	P3671-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	35
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021613.D	1	08/21/24 08:50	08/22/24 14:21	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	230	U	230	490	ug/Kg
100-52-7	Benzaldehyde	520	U	520	940	ug/Kg
95-48-7	2-Methylphenol	230	U	230	490	ug/Kg
65794-96-9	3+4-Methylphenols	230	U	230	940	ug/Kg
67-72-1	Hexachloroethane	240	U	240	490	ug/Kg
98-95-3	Nitrobenzene	260	U	260	490	ug/Kg
91-20-3	Naphthalene	240	U	240	490	ug/Kg
87-68-3	Hexachlorobutadiene	240	U	240	490	ug/Kg
91-57-6	2-Methylnaphthalene	240	U	240	490	ug/Kg
88-06-2	2,4,6-Trichlorophenol	200	U	200	490	ug/Kg
95-95-4	2,4,5-Trichlorophenol	210	U	210	490	ug/Kg
208-96-8	Acenaphthylene	250	U	250	490	ug/Kg
83-32-9	Acenaphthene	230	U	230	490	ug/Kg
132-64-9	Dibenzofuran	240	U	240	490	ug/Kg
121-14-2	2,4-Dinitrotoluene	250	U	250	490	ug/Kg
86-73-7	Fluorene	240	U	240	490	ug/Kg
118-74-1	Hexachlorobenzene	240	U	240	490	ug/Kg
87-86-5	Pentachlorophenol	220	U	220	940	ug/Kg
85-01-8	Phenanthrene	240	U	240	490	ug/Kg
120-12-7	Anthracene	240	U	240	490	ug/Kg
86-74-8	Carbazole	230	U	230	490	ug/Kg
84-74-2	Di-n-butylphthalate	240	U	240	490	ug/Kg
206-44-0	Fluoranthene	410	J	230	490	ug/Kg
129-00-0	Pyrene	350	J	240	490	ug/Kg
56-55-3	Benzo(a)anthracene	230	U	230	490	ug/Kg
218-01-9	Chrysene	240	J	230	490	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	260	U	260	490	ug/Kg
205-99-2	Benzo(b)fluoranthene	300	J	230	490	ug/Kg
207-08-9	Benzo(k)fluoranthene	240	U	240	490	ug/Kg

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-911-K1-SO-0-0.5-081924-FD	SDG No.:	P3671
Lab Sample ID:	P3671-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	35
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021613.D	1	08/21/24 08:50	08/22/24 14:21	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
50-32-8	Benzo(a)pyrene	270	U	270	490	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	220	U	220	490	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	230	U	230	490	ug/Kg
191-24-2	Benzo(g,h,i)perylene	230	U	230	490	ug/Kg
123-91-1	1,4-Dioxane	310	U	310	490	ug/Kg
90-12-0	1-Methylnaphthalene	240	U	240	490	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	69.5		30 (18) - 130 (112)	46%	SPK: 150
13127-88-3	Phenol-d6	69.4		30 (15) - 130 (107)	46%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.9		30 (18) - 130 (107)	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.2		30 (20) - 130 (109)	41%	SPK: 100
118-79-6	2,4,6-Tribromophenol	79.4		30 (10) - 130 (116)	53%	SPK: 150
1718-51-0	Terphenyl-d14	37.7		30 (10) - 130 (105)	38%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	356000	7.799			
1146-65-2	Naphthalene-d8	1430000	10.587			
15067-26-2	Acenaphthene-d10	918000	14.451			
1517-22-2	Phenanthrene-d10	2070000	17.257			
1719-03-5	Chrysene-d12	2030000	21.721			
1520-96-3	Perylene-d12	2350000	25.168			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **BP021613.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
Data File : BP021613.D
Acq On : 22 Aug 2024 14:21
Operator : RC/JU
Sample : P3671-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD

Quant Time: Aug 22 14:53:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 2024
Response via : Initial Calibration

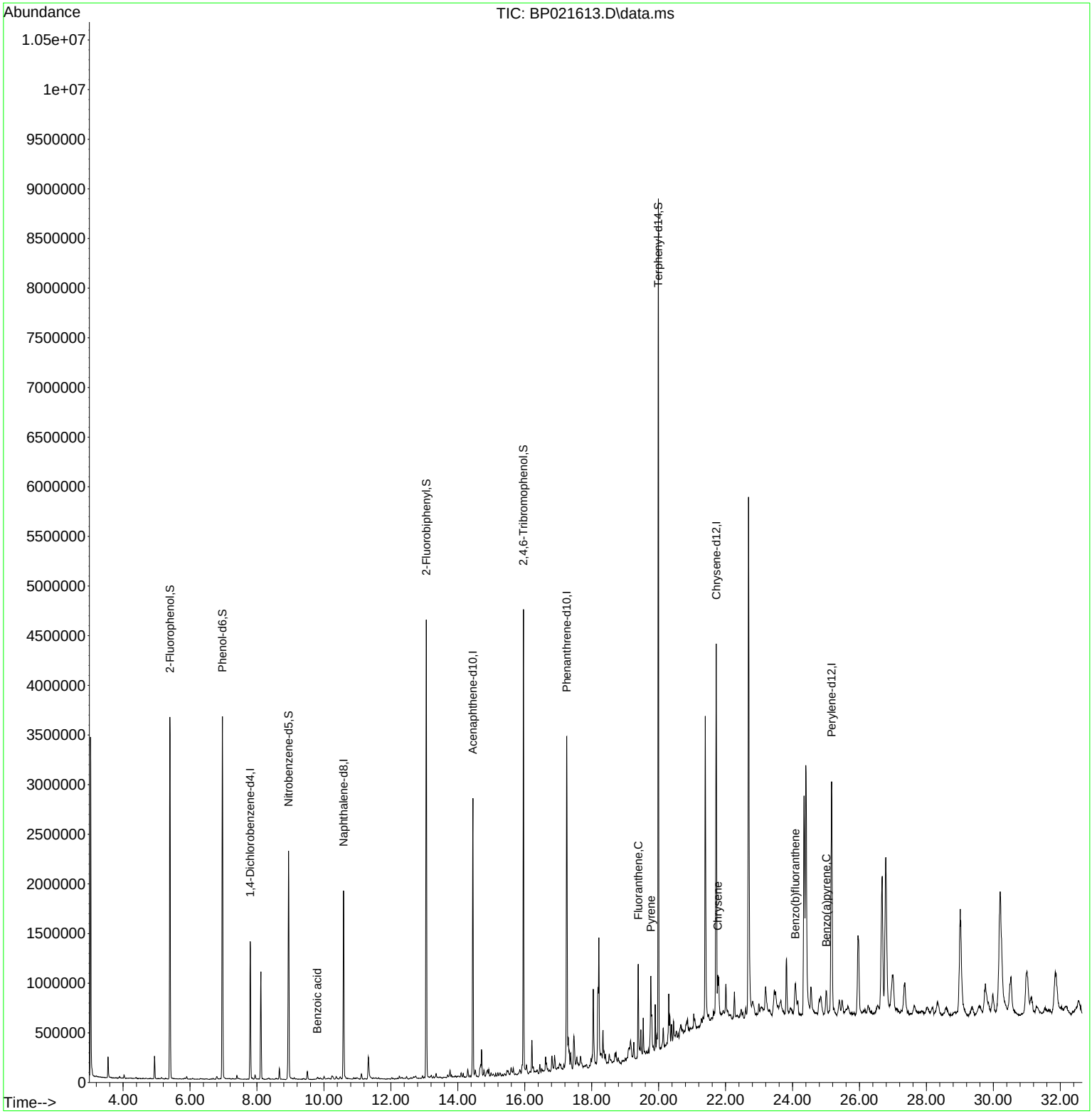
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.799	152	356018	20.000	ng		0.00
21) Naphthalene-d8	10.587	136	1427733	20.000	ng		0.00
39) Acenaphthene-d10	14.451	164	917752	20.000	ng		0.00
64) Phenanthrene-d10	17.257	188	2066502	20.000	ng		0.00
76) Chrysene-d12	21.721	240	2032283	20.000	ng		0.00
86) Perylene-d12	25.168	264	2350318	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.399	112	1665658	69.470	ng		0.00
7) Phenol-d6	6.969	99	2427497	69.404	ng		0.00
23) Nitrobenzene-d5	8.946	82	1462826	52.884	ng		0.00
42) 2,4,6-Tribromophenol	15.963	330	810789	79.379	ng		0.00
45) 2-Fluorobiphenyl	13.057	172	2476906	41.189	ng		0.00
79) Terphenyl-d14	19.992	244	3941742	37.680	ng		0.02
Target Compounds							Qvalue
32) Benzoic acid	9.804	122	13443m	5.082	ng		
75) Fluoranthene	19.392	202	526326	4.316	ng		99
78) Pyrene	19.769	202	490212	3.690	ng		99
83) Chrysene	21.769	228	298332	2.477	ng		98
88) Benzo(b)fluoranthene	24.086	252	418920	3.103	ng	#	96
90) Benzo(a)pyrene	25.015	252	247733	2.115	ng	#	96

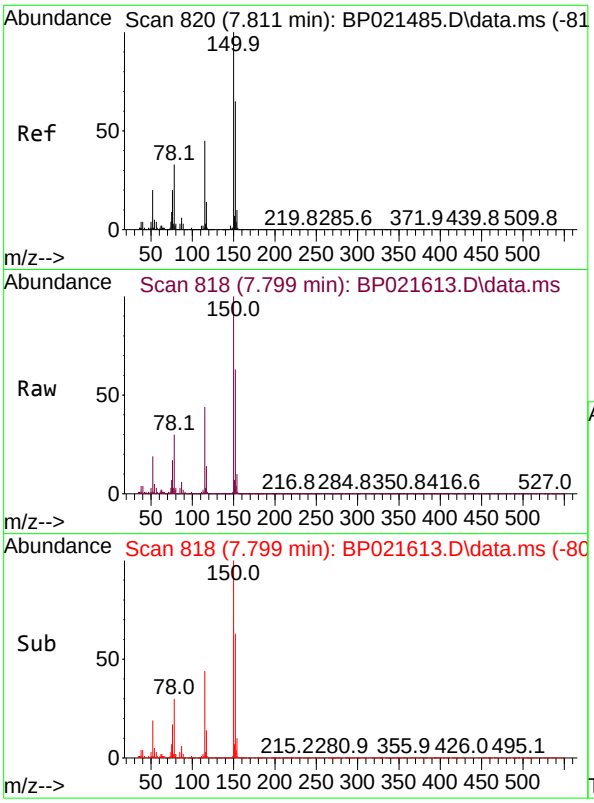
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
Data File : BP021613.D
Acq On : 22 Aug 2024 14:21
Operator : RC/JU
Sample : P3671-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD

Quant Time: Aug 22 14:53:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 2024
Response via : Initial Calibration



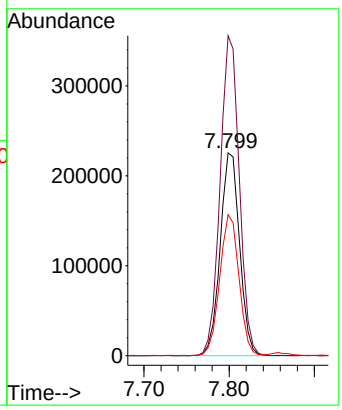


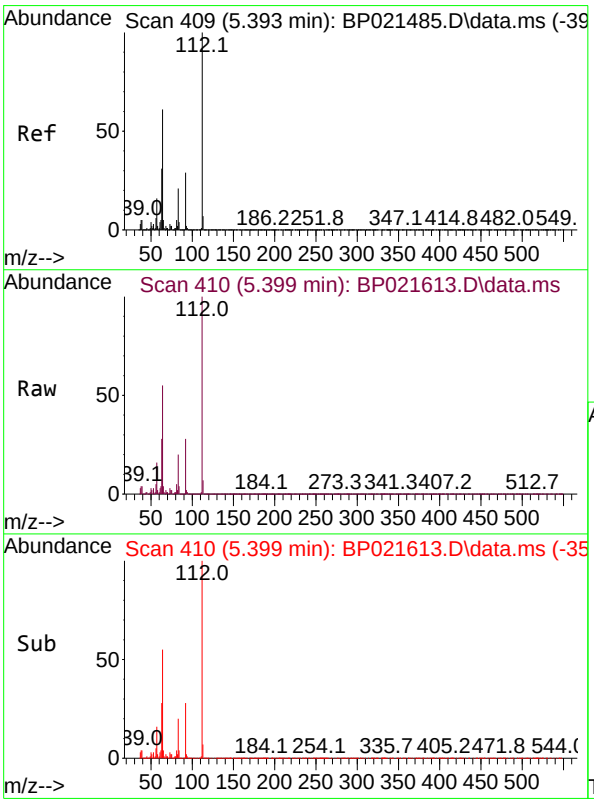
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Instrument :
BNA_P
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD

Tgt Ion:152 Resp: 356018

Ion	Ratio	Lower	Upper
152	100		
150	157.7	122.4	183.6
115	69.4	54.7	82.1

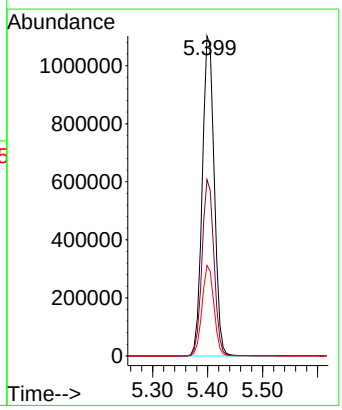


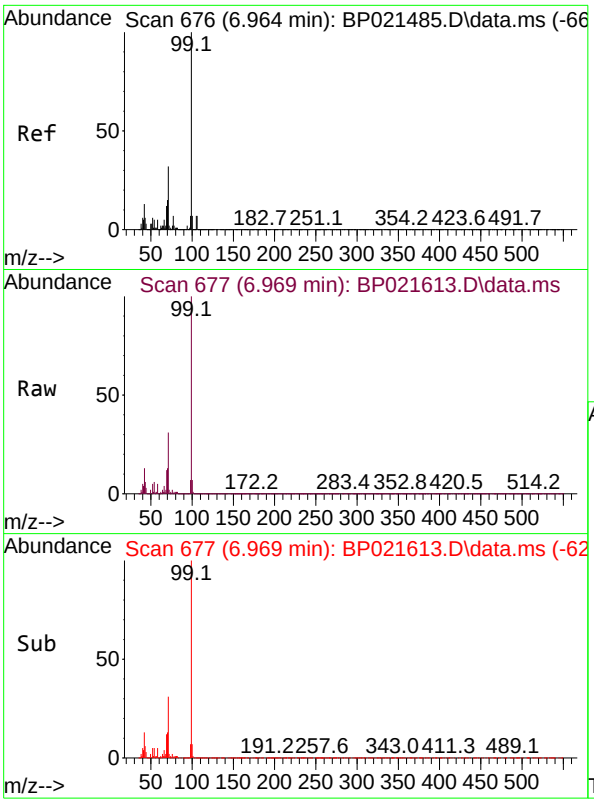


#5
2-Fluorophenol
Concen: 69.470 ng
RT: 5.399 min Scan# 410
Delta R.T. -0.000 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Tgt Ion:112 Resp: 1665658

Ion	Ratio	Lower	Upper
112	100		
64	55.1	49.0	73.6
63	28.3	24.6	36.8



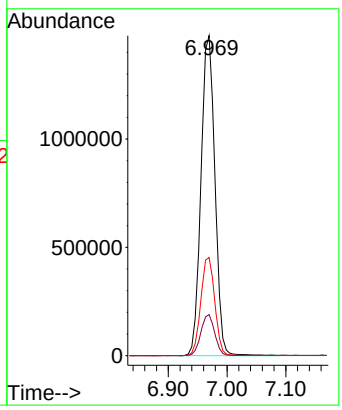


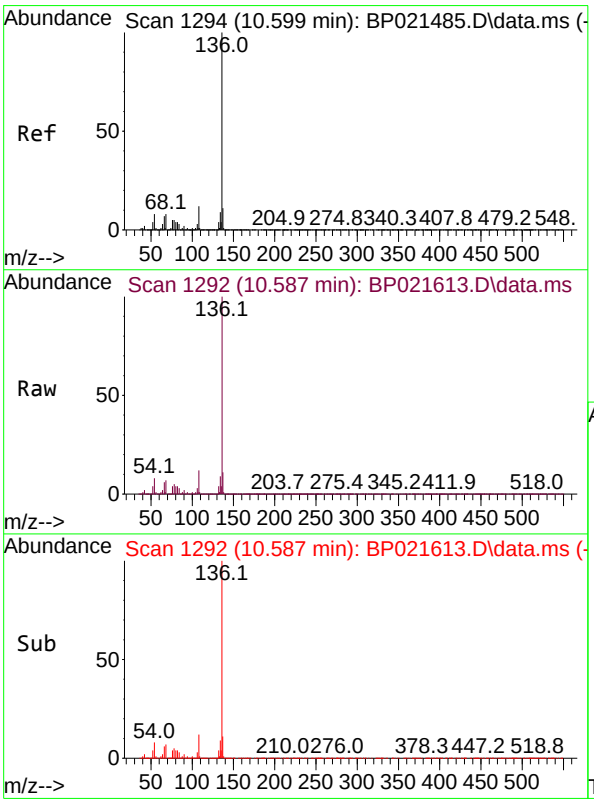
#7
Phenol-d6
Concen: 69.404 ng
RT: 6.969 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Instrument :
BNA_P
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD

Tgt Ion: 99 Resp: 2427497

Ion	Ratio	Lower	Upper
99	100		
42	12.9	10.2	15.4
71	30.7	25.8	38.8

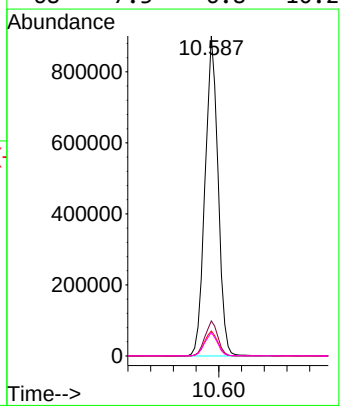


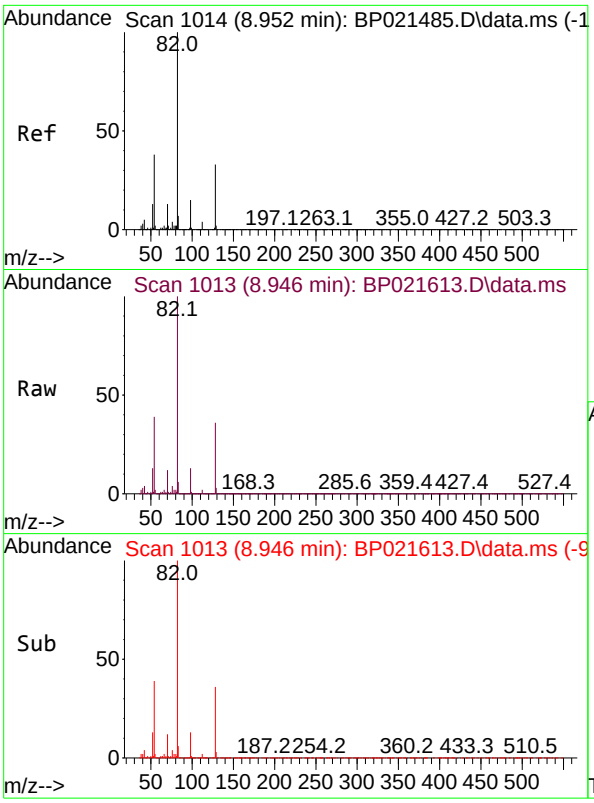


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.000 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Tgt Ion:136 Resp: 1427733

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.8	6.3	9.5
68	7.3	6.8	10.2



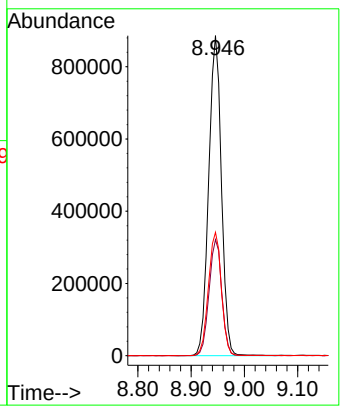


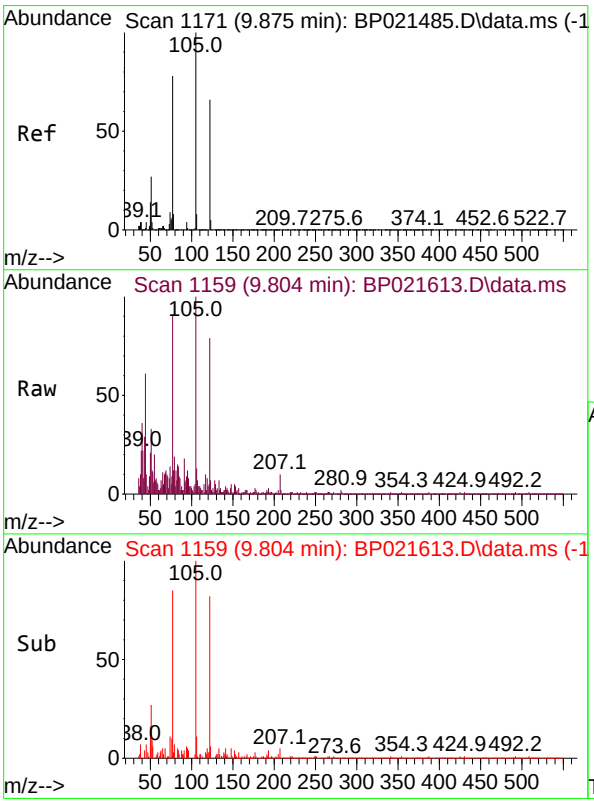
#23
Nitrobenzene-d5
Concen: 52.884 ng
RT: 8.946 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Instrument :
BNA_P
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD

Tgt Ion: 82 Resp: 1462826

Ion	Ratio	Lower	Upper
82	100		
128	36.3	26.5	39.7
54	38.5	30.3	45.5

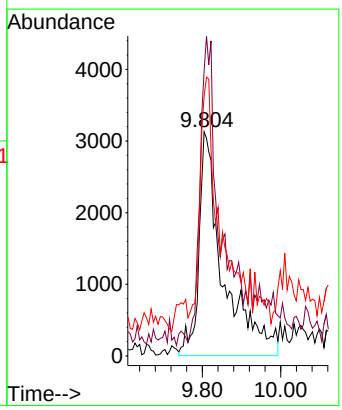


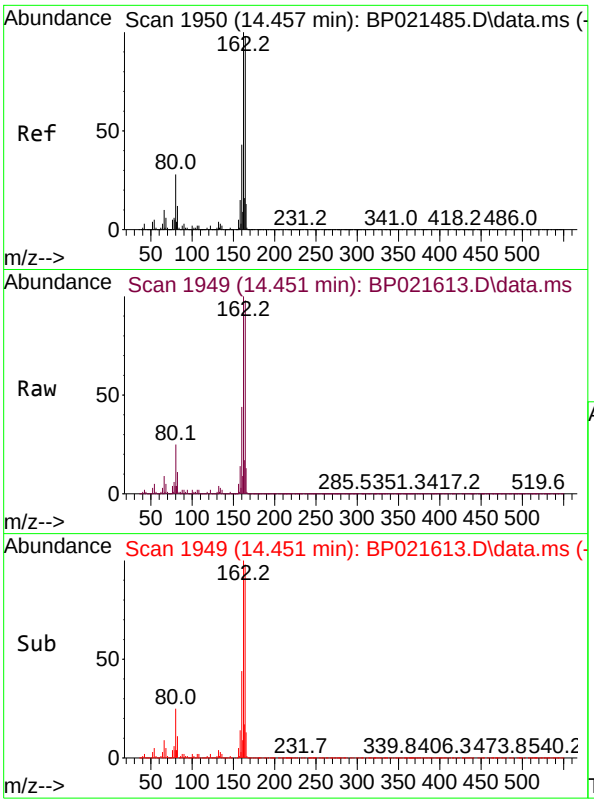


#32
Benzoic acid
Concen: 5.082 ng m
RT: 9.804 min Scan# 1159
Delta R.T. -0.088 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Tgt Ion:122 Resp: 13443

Ion	Ratio	Lower	Upper
122	100		
105	127.2	124.6	164.6
77	115.8	96.2	136.2



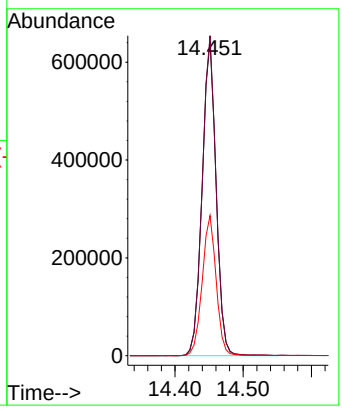


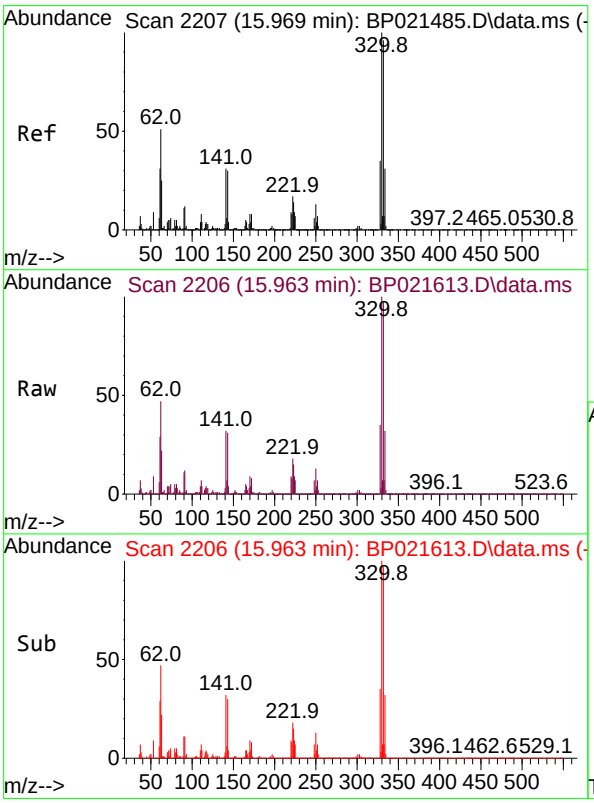
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Instrument :
BNA_P
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD

Tgt Ion:164 Resp: 917752

Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.5	122.3
160	44.6	35.2	52.8

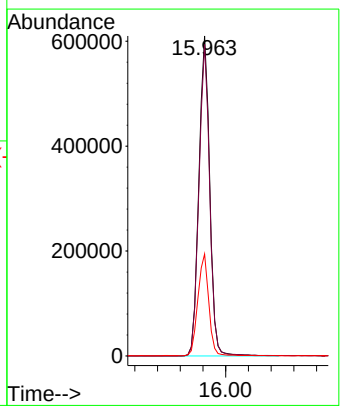


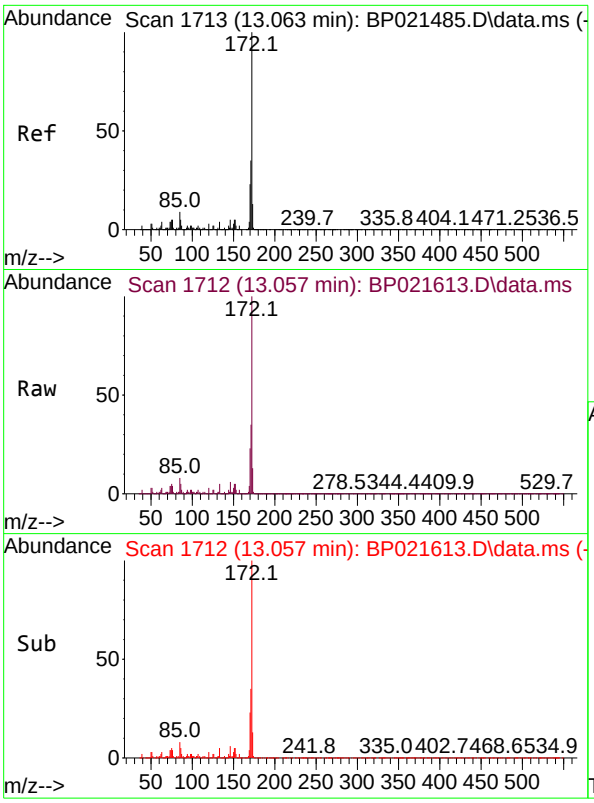


#42
2,4,6-Tribromophenol
Concen: 79.379 ng
RT: 15.963 min Scan# 2206
Delta R.T. 0.006 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Tgt Ion:330 Resp: 810789

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.4	116.0
141	31.8	24.5	36.7



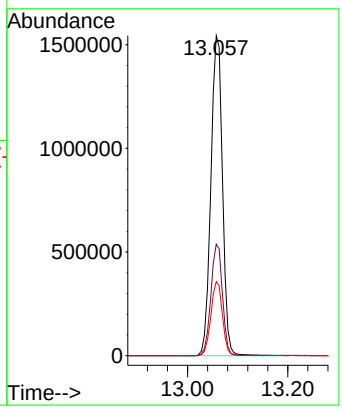


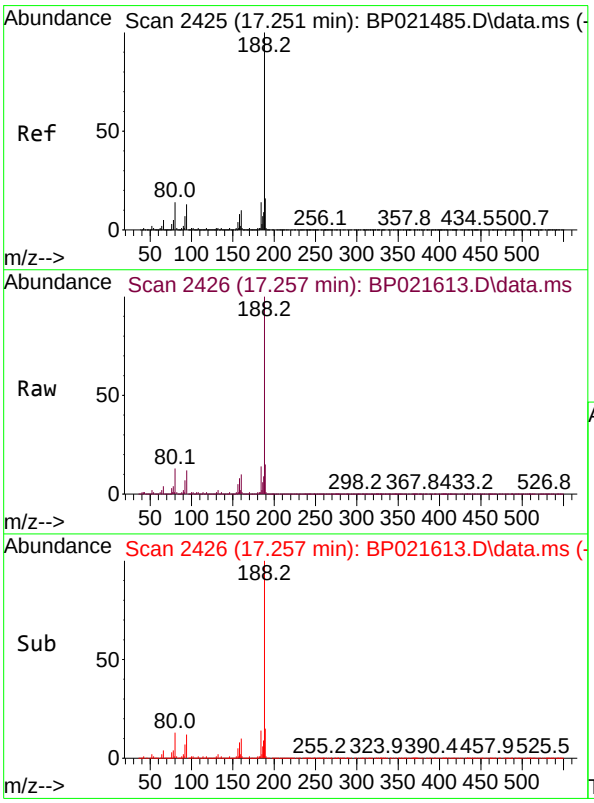
#45
2-Fluorobiphenyl
Concen: 41.189 ng
RT: 13.057 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Instrument :
BNA_P
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD

Tgt Ion:172 Resp: 2476906

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.2	42.4
170	23.1	18.4	27.6

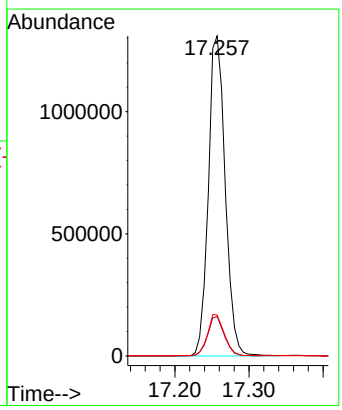


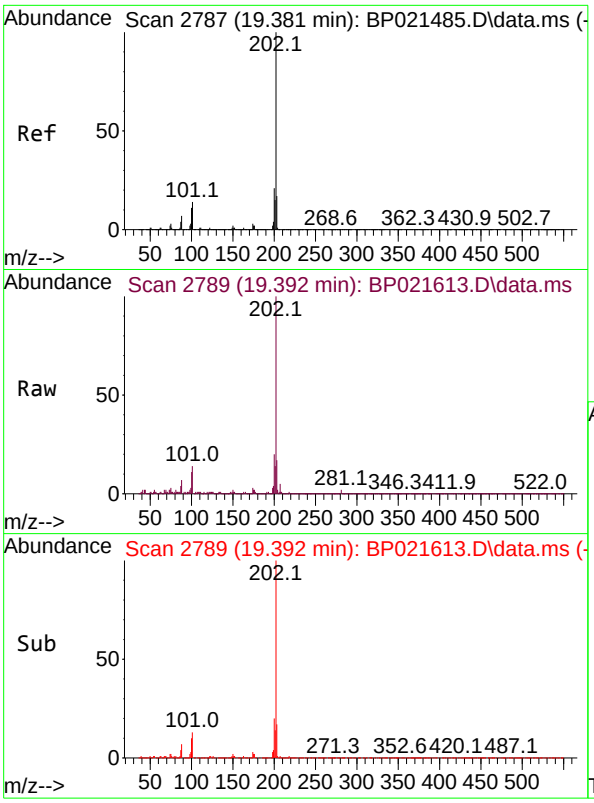


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Tgt Ion:188 Resp: 2066502

Ion	Ratio	Lower	Upper
188	100		
94	12.3	10.2	15.4
80	12.9	11.6	17.4



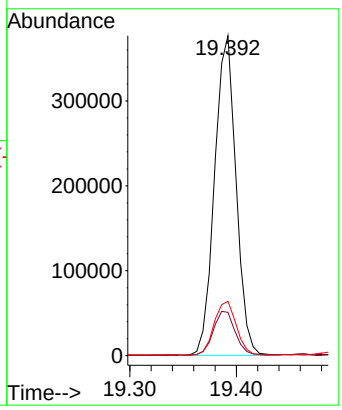


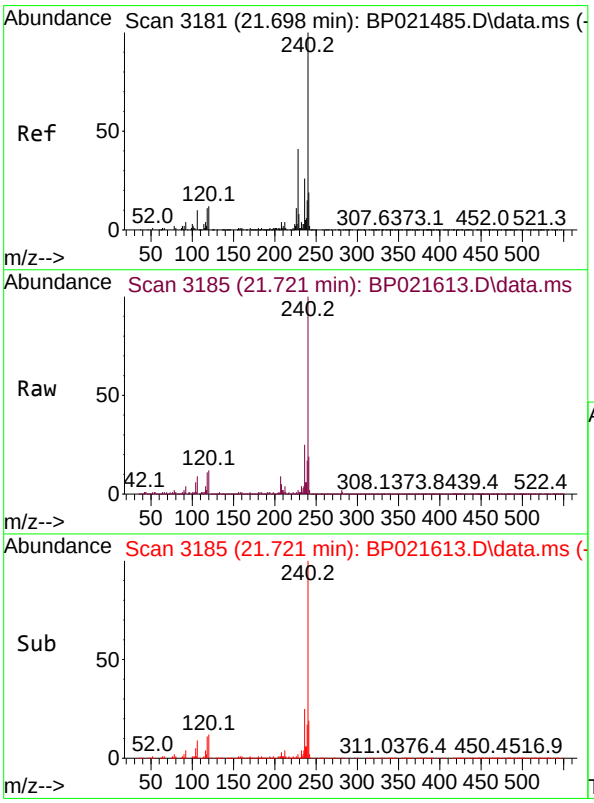
#75
Fluoranthene
Concen: 4.316 ng
RT: 19.392 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Instrument :
BNA_P
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD

Tgt Ion:202 Resp: 526326

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.0
203	17.0	0.0	37.5

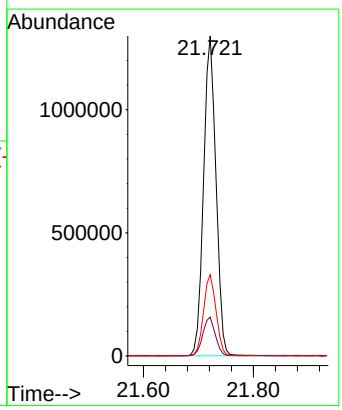


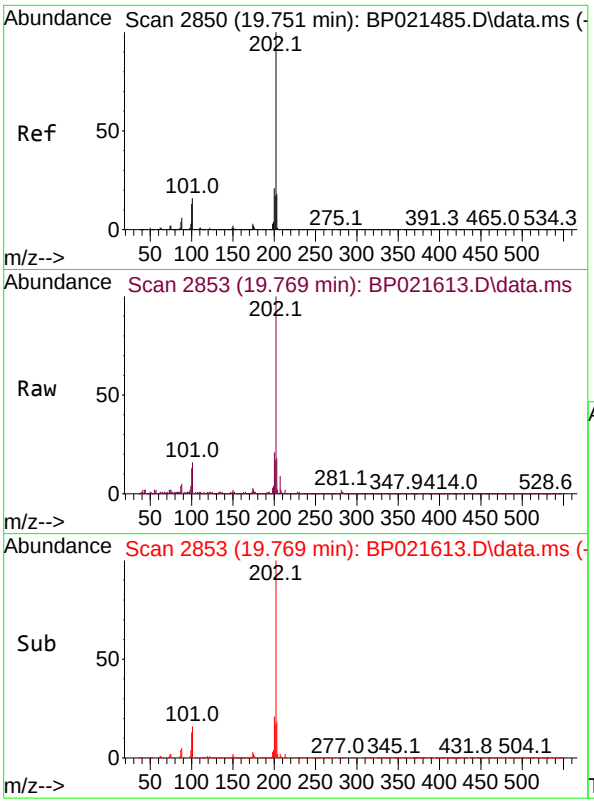


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.721 min Scan# 3185
Delta R.T. 0.006 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Tgt Ion:240 Resp: 2032283

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.9	14.9
236	25.4	20.6	30.8



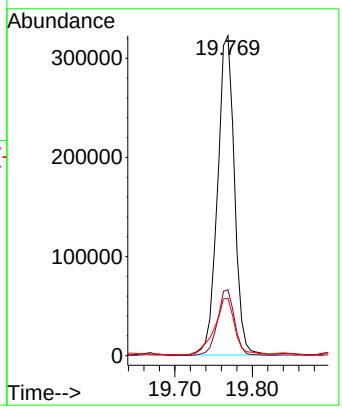


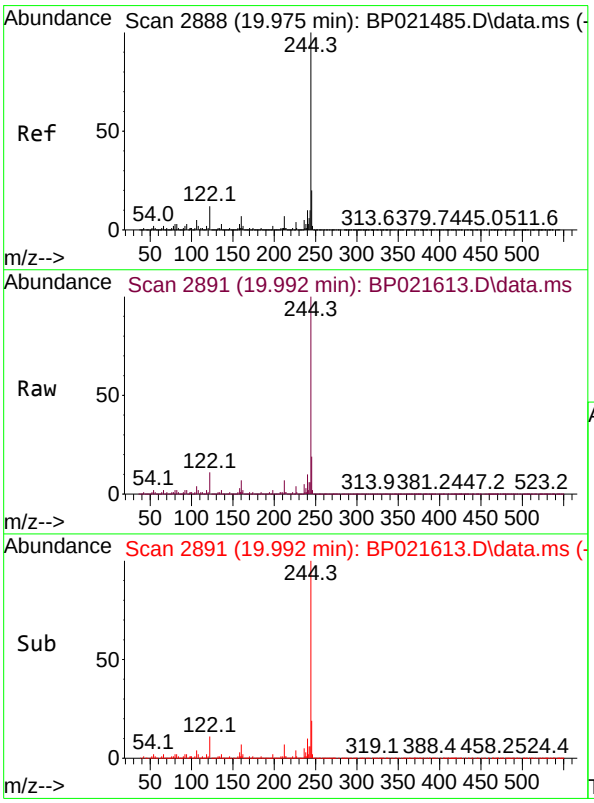
#78
Pyrene
Concen: 3.690 ng
RT: 19.769 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Instrument :
BNA_P
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD

Tgt Ion:202 Resp: 490212

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.7	25.1
203	18.0	14.1	21.1

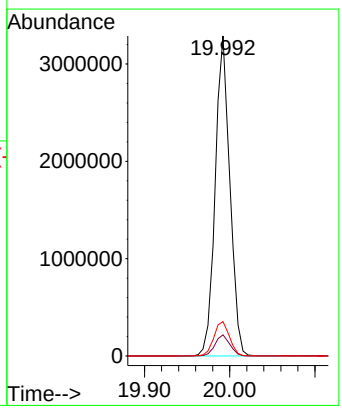


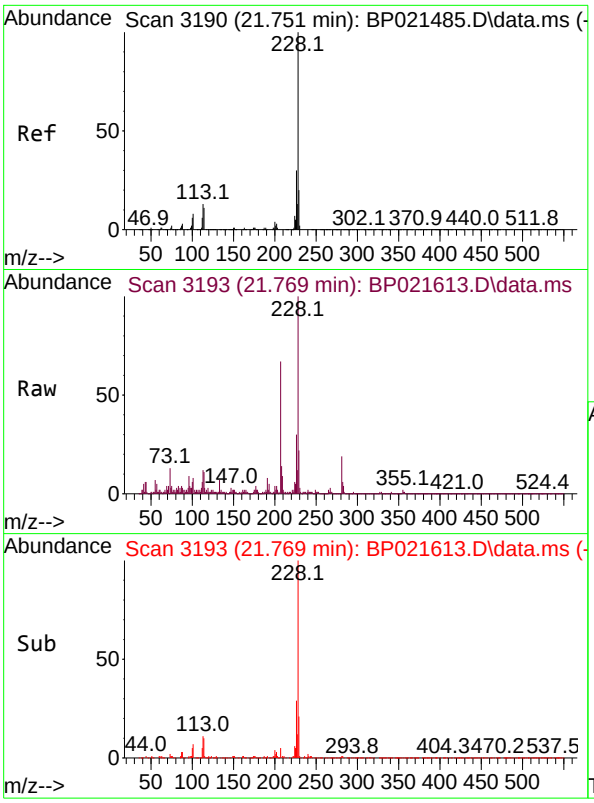


#79
Terphenyl-d14
Concen: 37.680 ng
RT: 19.992 min Scan# 2891
Delta R.T. 0.017 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Tgt Ion:244 Resp: 3941742

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	10.8	9.4	14.2



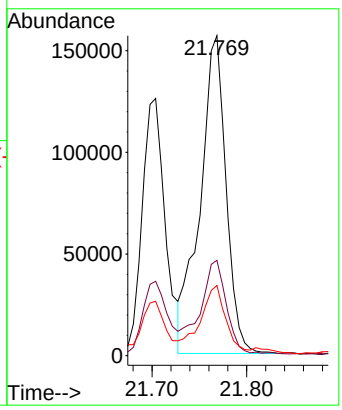


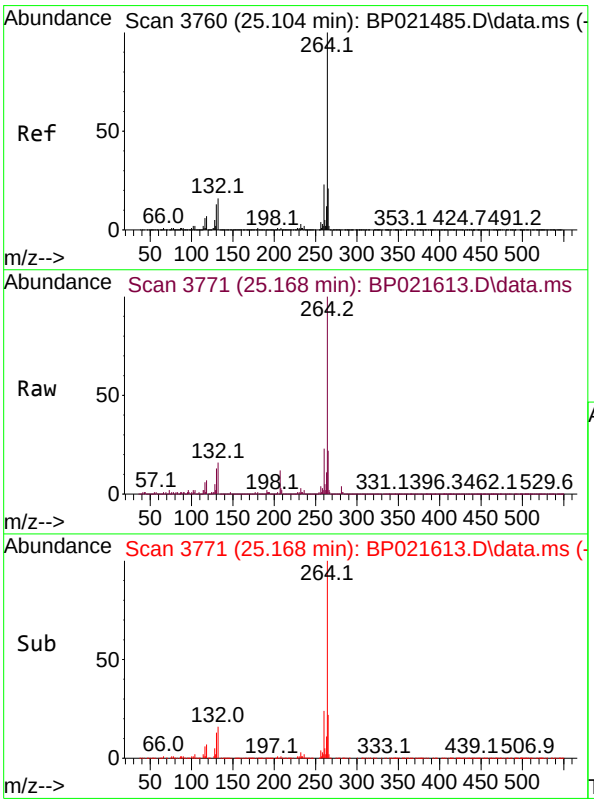
#83
Chrysene
Concen: 2.477 ng
RT: 21.769 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Instrument :
BNA_P
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD

Tgt Ion:228 Resp: 298332

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.9	35.9
229	21.9	15.8	23.6

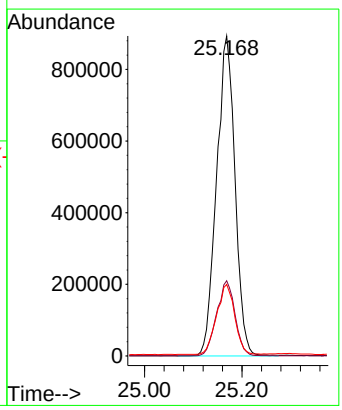


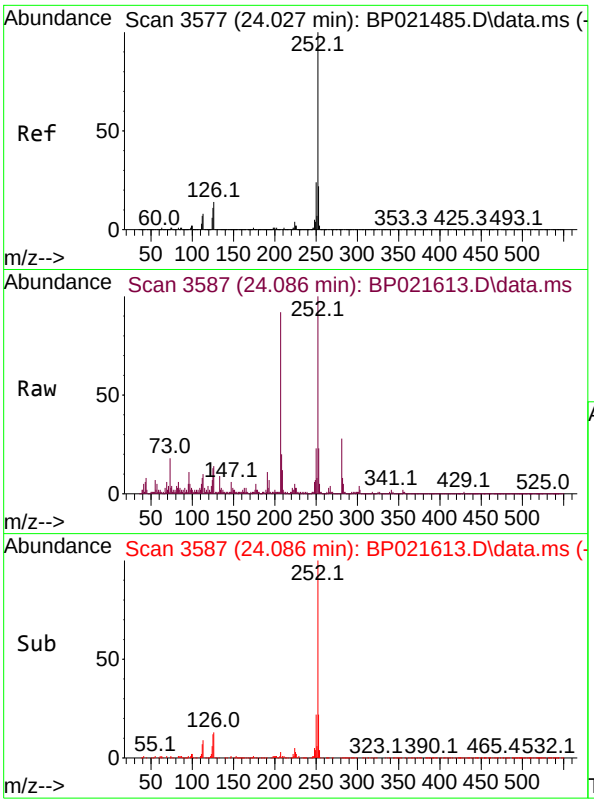


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.168 min Scan# 3771
Delta R.T. 0.017 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Tgt Ion:264 Resp: 2350318

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	22.3	17.1	25.7



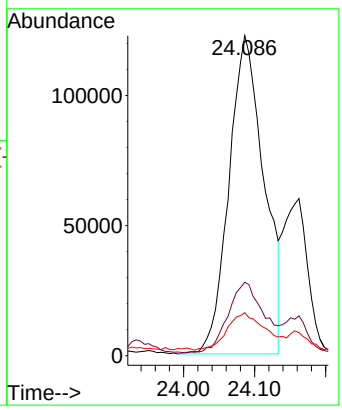


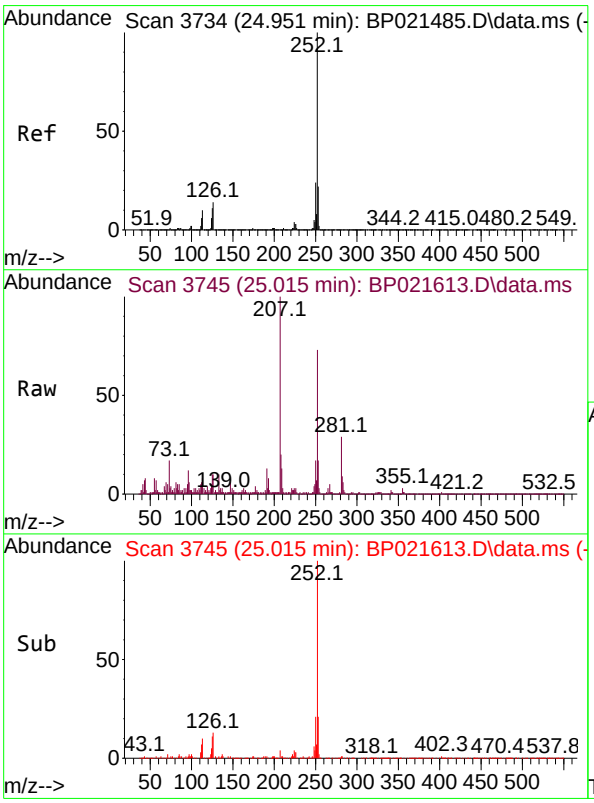
#88
Benzo(b)fluoranthene
Concen: 3.103 ng
RT: 24.086 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Instrument :
BNA_P
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD

Tgt Ion:252 Resp: 418920

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	13.5	8.6	13.0#

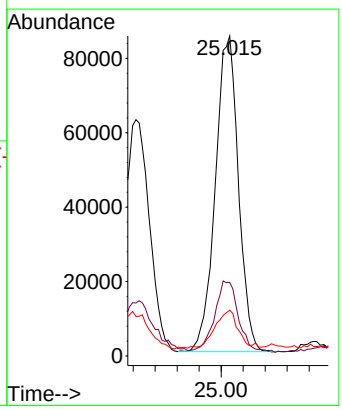




#90
Benzo(a)pyrene
Concen: 2.115 ng
RT: 25.015 min Scan# 3745
Delta R.T. 0.035 min
Lab File: BP021613.D
Acq: 22 Aug 2024 14:21

Tgt Ion:252 Resp: 247733

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	14.3	8.7	13.1#



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-905-KJ-SO-0-0.5-081924	SDG No.:	P3671
Lab Sample ID:	P3671-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	78.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021611.D	1	08/21/24 08:50	08/22/24 12:57	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	100	U	100	220	ug/Kg
100-52-7	Benzaldehyde	230	U	230	420	ug/Kg
95-48-7	2-Methylphenol	100	U	100	220	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	420	ug/Kg
67-72-1	Hexachloroethane	110	U	110	220	ug/Kg
98-95-3	Nitrobenzene	120	U	120	220	ug/Kg
91-20-3	Naphthalene	110	U	110	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	220	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	91.2	U	91.2	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	94.5	U	94.5	220	ug/Kg
208-96-8	Acenaphthylene	110	U	110	220	ug/Kg
83-32-9	Acenaphthene	100	U	100	220	ug/Kg
132-64-9	Dibenzofuran	110	U	110	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	220	ug/Kg
86-73-7	Fluorene	110	U	110	220	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	220	ug/Kg
87-86-5	Pentachlorophenol	98.8	U	98.8	420	ug/Kg
85-01-8	Phenanthrene	750		110	220	ug/Kg
120-12-7	Anthracene	160	J	110	220	ug/Kg
86-74-8	Carbazole	100	U	100	220	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	220	ug/Kg
206-44-0	Fluoranthene	1100		100	220	ug/Kg
129-00-0	Pyrene	830		110	220	ug/Kg
56-55-3	Benzo(a)anthracene	450		100	220	ug/Kg
218-01-9	Chrysene	460		100	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	560		100	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	210	J	110	220	ug/Kg

Raw Data: **BP021611.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-905-KJ-SO-0-0.5-081924	SDG No.:	P3671
Lab Sample ID:	P3671-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	78.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021611.D	1	08/21/24 08:50	08/22/24 12:57	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
50-32-8	Benzo(a)pyrene	460		120	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	230		99.8	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	270		100	220	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	220	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	220	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	85.1		30 (18) - 130 (112)	57%	SPK: 150
13127-88-3	Phenol-d6	82.7		30 (15) - 130 (107)	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.2		30 (18) - 130 (107)	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.7		30 (20) - 130 (109)	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	97.9		30 (10) - 130 (116)	65%	SPK: 150
1718-51-0	Terphenyl-d14	39.6		30 (10) - 130 (105)	40%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	334000	7.804			
1146-65-2	Naphthalene-d8	1350000	10.587			
15067-26-2	Acenaphthene-d10	909000	14.439			
1517-22-2	Phenanthrene-d10	2020000	17.245			
1719-03-5	Chrysene-d12	2010000	21.721			
1520-96-3	Perylene-d12	2310000	25.151			

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_P\Data\BP082224\
Data File : BP021611.D
Acq On : 22 Aug 2024 12:57
Operator : RC/JU
Sample : P3671-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924

Quant Time: Aug 22 13:43:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 2024
Response via : Initial Calibration

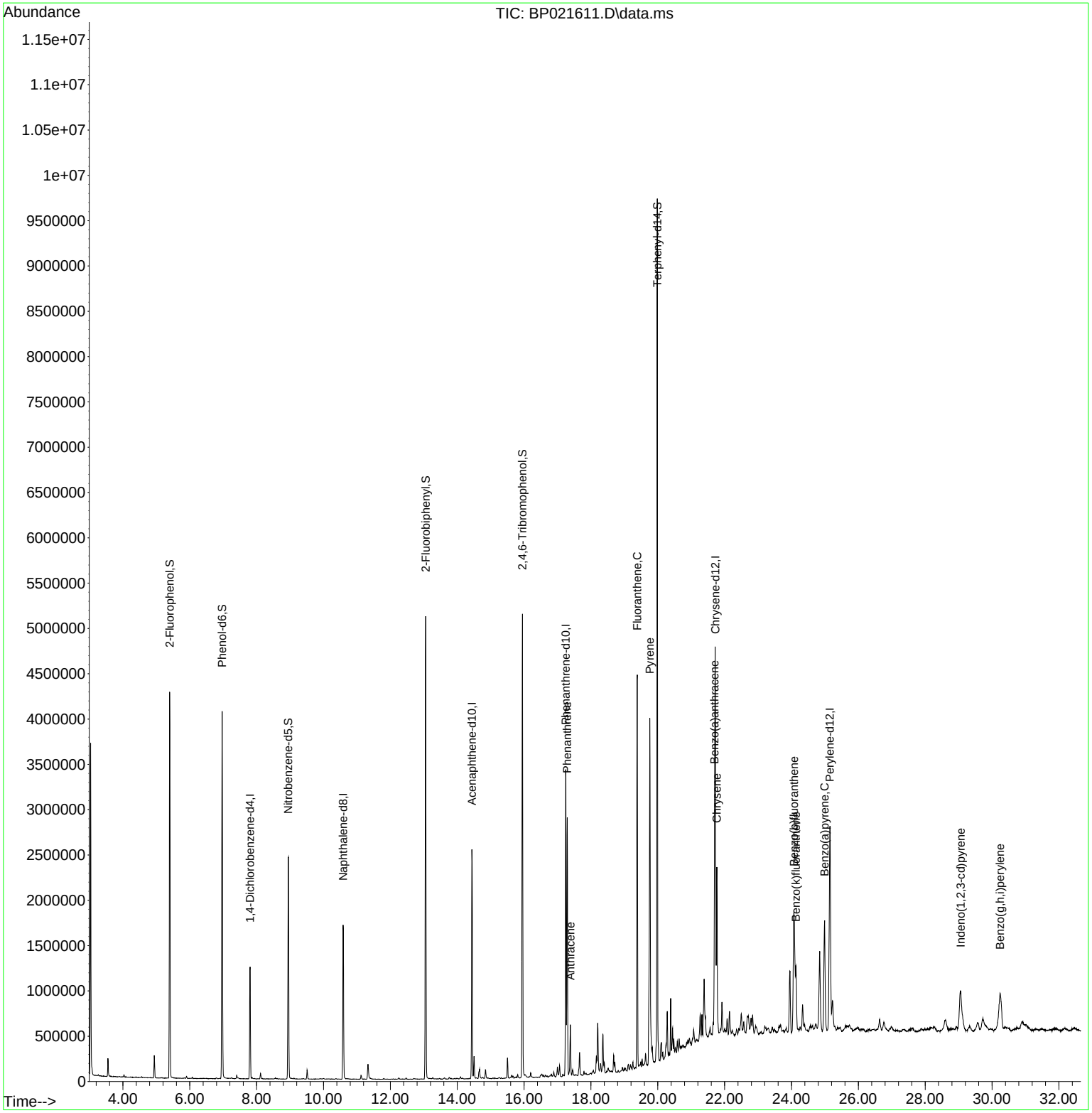
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.804	152	333595	20.000	ng		0.00
21) Naphthalene-d8	10.587	136	1347155	20.000	ng		0.00
39) Acenaphthene-d10	14.439	164	908710	20.000	ng		0.00
64) Phenanthrene-d10	17.245	188	2015238	20.000	ng		0.00
76) Chrysene-d12	21.721	240	2006773	20.000	ng		0.00
86) Perylene-d12	25.151	264	2308445	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.399	112	1910919	85.057	ng		0.00
7) Phenol-d6	6.969	99	2709912	82.687	ng		0.00
23) Nitrobenzene-d5	8.946	82	1596220	61.158	ng		0.00
42) 2,4,6-Tribromophenol	15.951	330	990170	97.905	ng		0.00
45) 2-Fluorobiphenyl	13.057	172	2543141	42.711	ng		0.00
79) Terphenyl-d14	19.986	244	4087629	39.572	ng		0.01
Target Compounds							Qvalue
71) Phenanthrene	17.292	178	1717372	17.720	ng		99
72) Anthracene	17.386	178	360483	3.793	ng		99
75) Fluoranthene	19.386	202	2944521	24.761	ng		99
78) Pyrene	19.763	202	2542639	19.385	ng		100
81) Benzo(a)anthracene	21.698	228	1317142	10.455	ng		97
83) Chrysene	21.768	228	1272995	10.703	ng		97
87) Indeno(1,2,3-cd)pyrene	29.068	276	823898	5.506	ng	#	91
88) Benzo(b)fluoranthene	24.074	252	1740944	13.131	ng		99
89) Benzo(k)fluoranthene	24.133	252	625420m	4.836	ng		
90) Benzo(a)pyrene	24.992	252	1240051	10.778	ng		100
92) Benzo(g,h,i)perylene	30.244	276	789547	6.336	ng		98

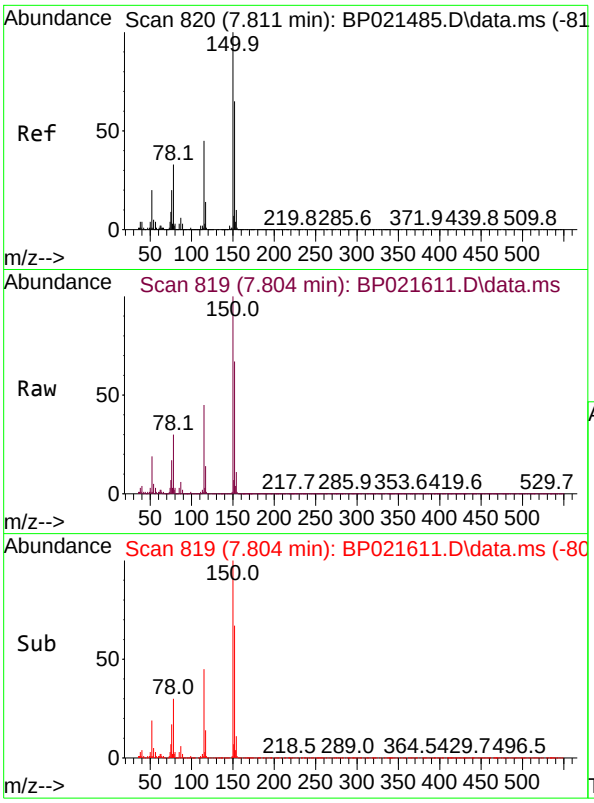
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
Data File : BP021611.D
Acq On : 22 Aug 2024 12:57
Operator : RC/JU
Sample : P3671-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924

Quant Time: Aug 22 13:43:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 2024
Response via : Initial Calibration



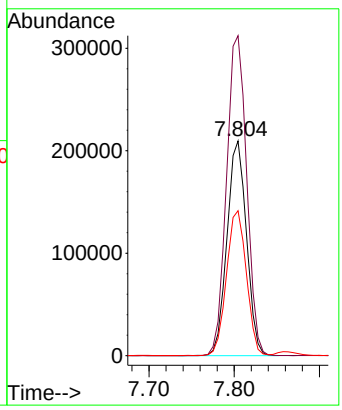


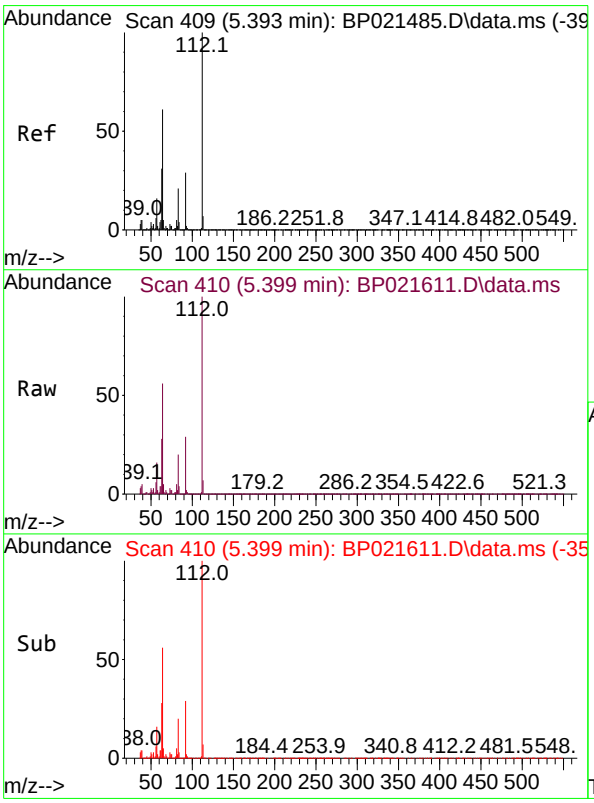
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.001 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924

Tgt Ion:152 Resp: 333595

Ion	Ratio	Lower	Upper
152	100		
150	149.0	122.4	183.6
115	67.5	54.7	82.1

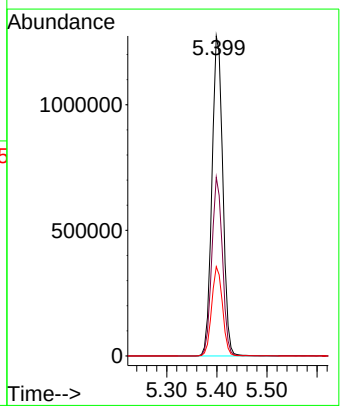


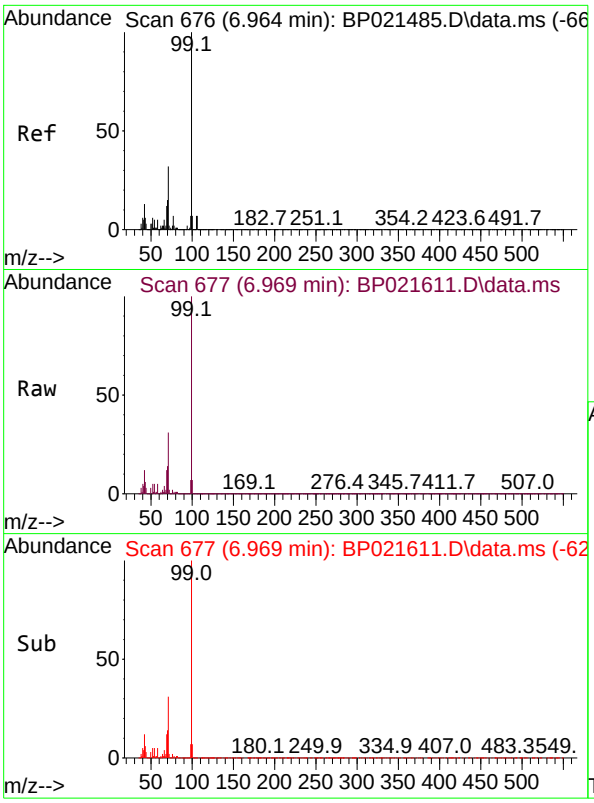


#5
2-Fluorophenol
Concen: 85.057 ng
RT: 5.399 min Scan# 410
Delta R.T. -0.000 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Tgt Ion:112 Resp: 1910919

Ion	Ratio	Lower	Upper
112	100		
64	55.9	49.0	73.6
63	27.9	24.6	36.8



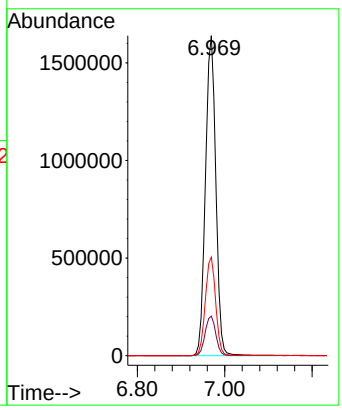


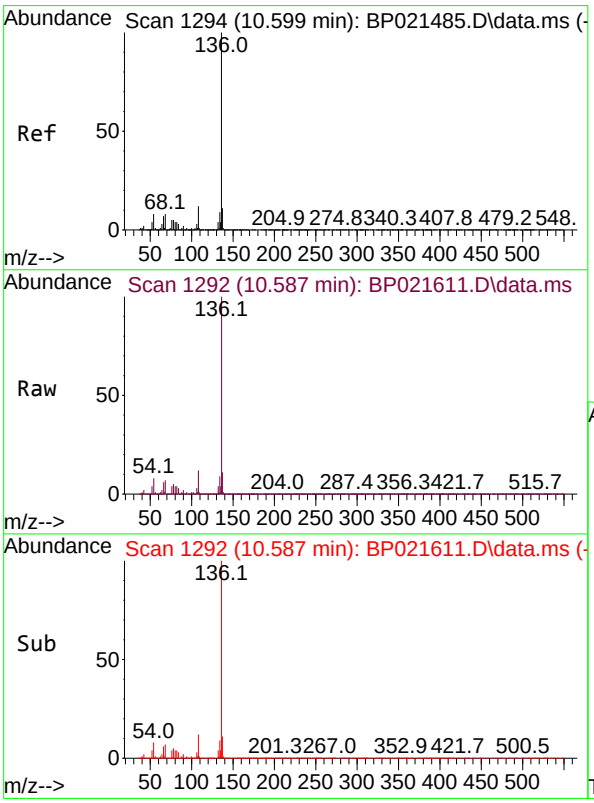
#7
Phenol-d6
Concen: 82.687 ng
RT: 6.969 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924

Tgt Ion: 99 Resp: 2709912

Ion	Ratio	Lower	Upper
99	100		
42	12.3	10.2	15.4
71	30.8	25.8	38.8

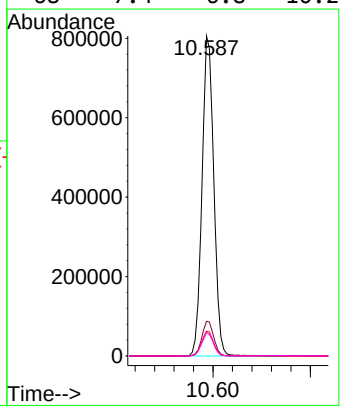


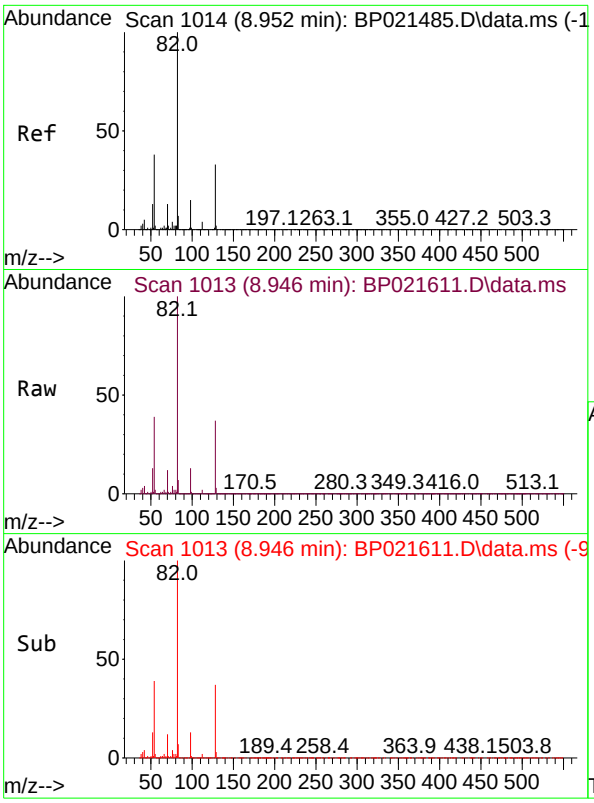


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.000 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Tgt Ion:136 Resp: 1347155

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.7	6.3	9.5
68	7.4	6.8	10.2



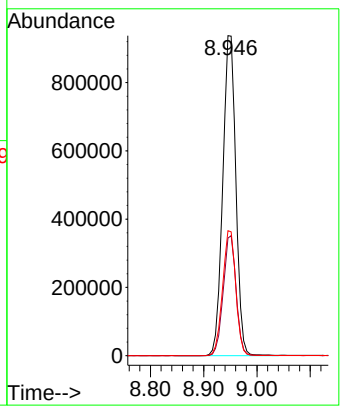


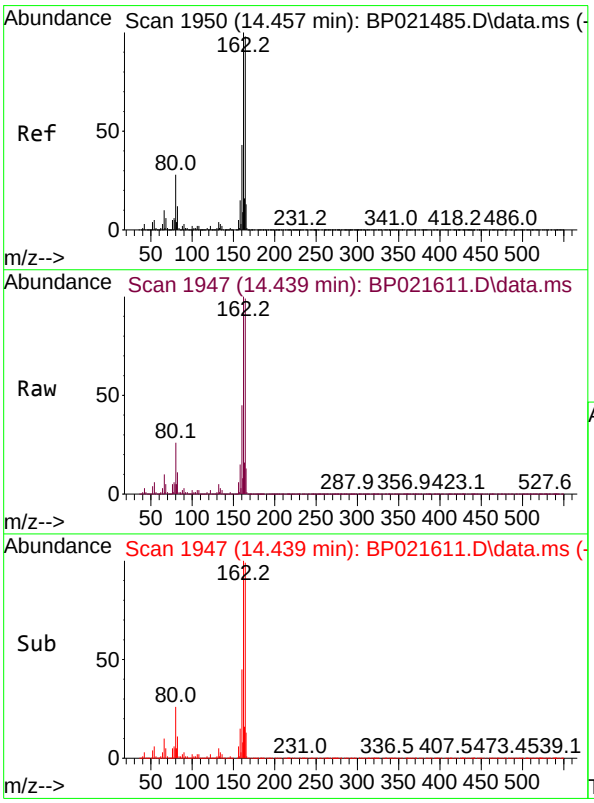
#23
Nitrobenzene-d5
Concen: 61.158 ng
RT: 8.946 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924

Tgt Ion: 82 Resp: 1596220

Ion	Ratio	Lower	Upper
82	100		
128	36.7	26.5	39.7
54	39.0	30.3	45.5

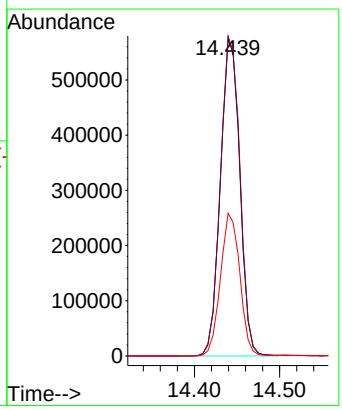


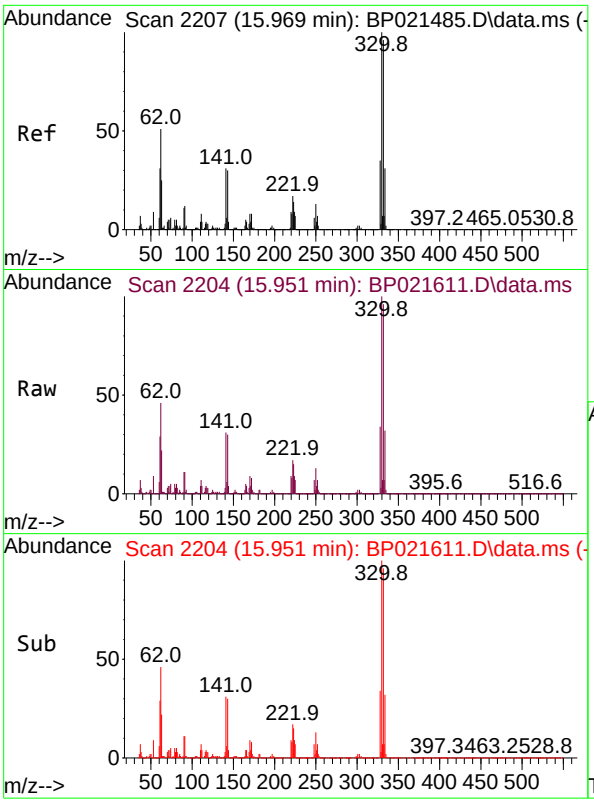


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.439 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Tgt Ion:164 Resp: 908710

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.5	122.3
160	45.0	35.2	52.8



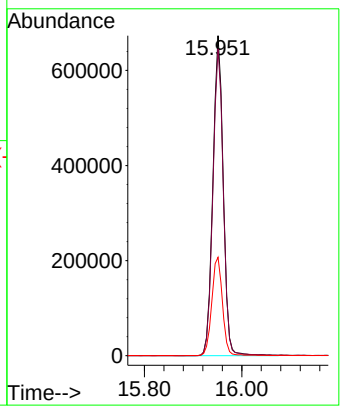


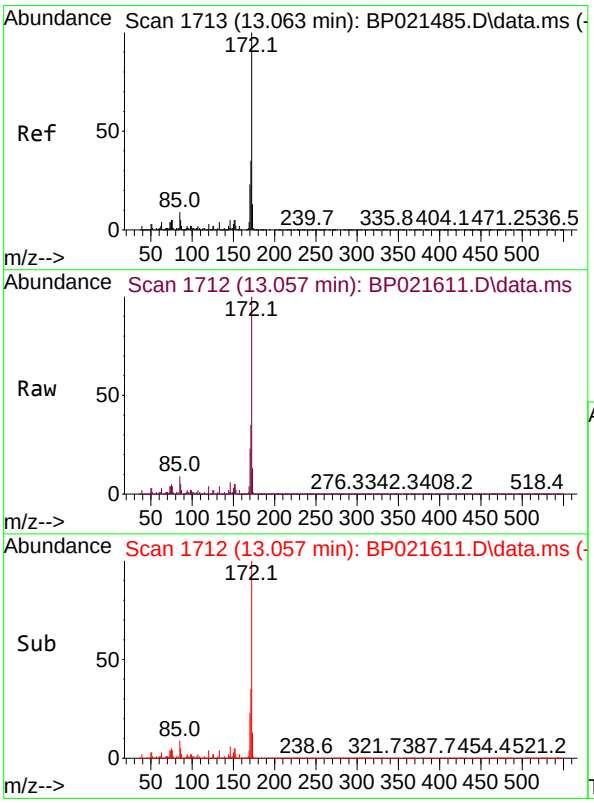
#42
2,4,6-Tribromophenol
Concen: 97.905 ng
RT: 15.951 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924

Tgt Ion:330 Resp: 990170

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.0
141	31.6	24.5	36.7

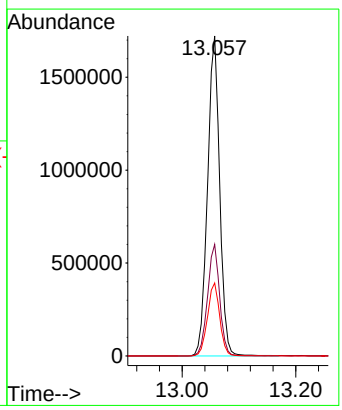


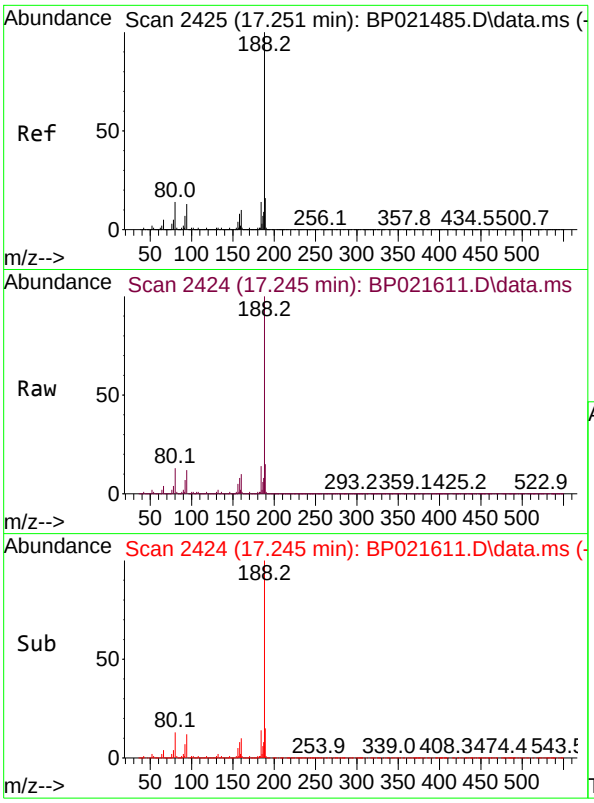


#45
2-Fluorobiphenyl
Concen: 42.711 ng
RT: 13.057 min Scan# 1712
Delta R.T. 0.006 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Tgt Ion:172 Resp: 2543141

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.4
170	22.8	18.4	27.6



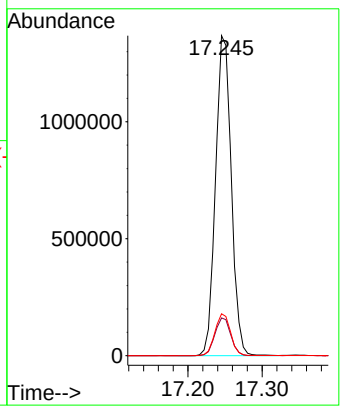


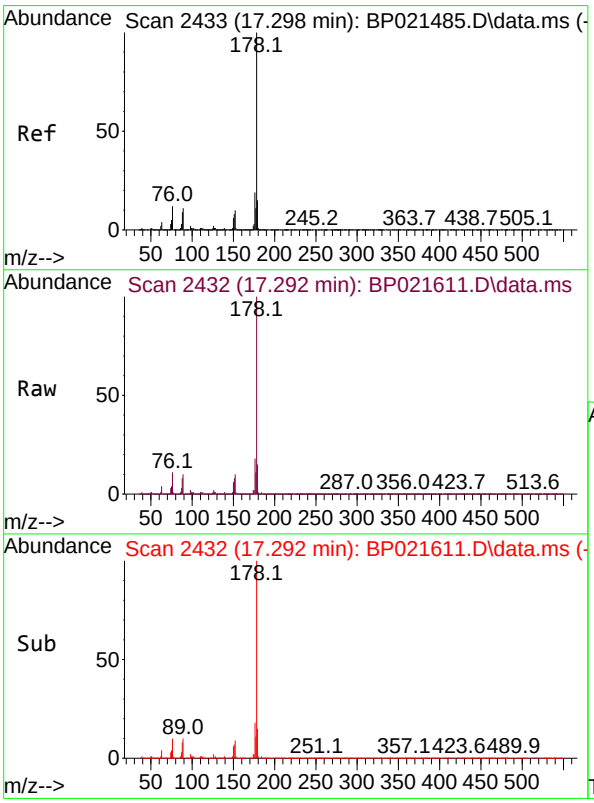
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924

Tgt Ion:188 Resp: 2015238

Ion	Ratio	Lower	Upper
188	100		
94	11.8	10.2	15.4
80	13.1	11.6	17.4

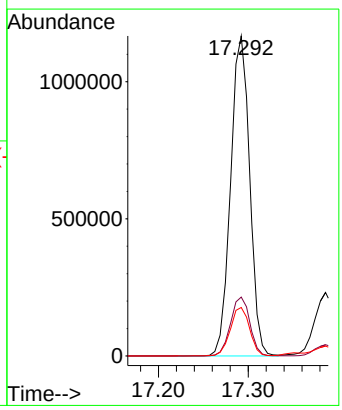


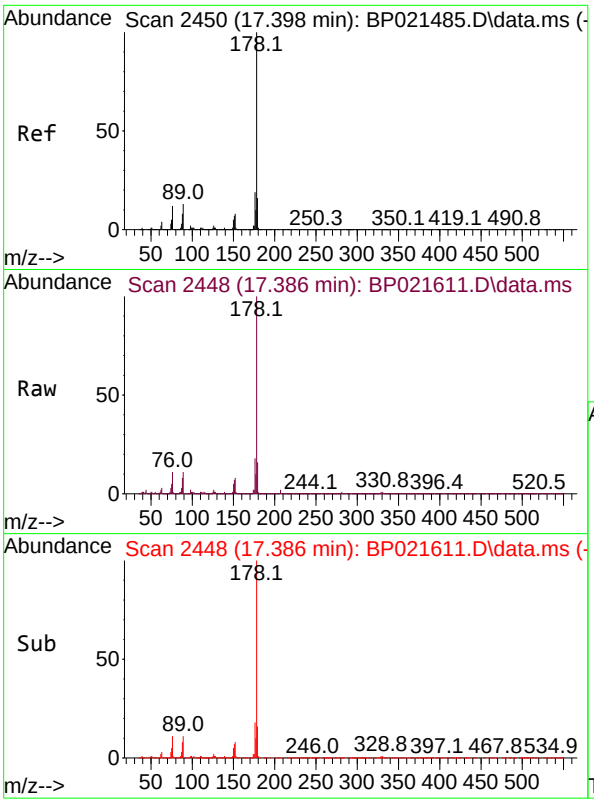


#71
Phenanthrene
Concen: 17.720 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Tgt Ion:178 Resp: 1717372

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.2	12.4	18.6



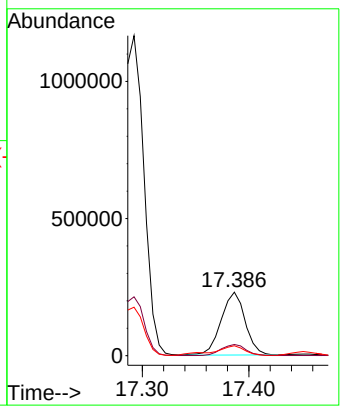


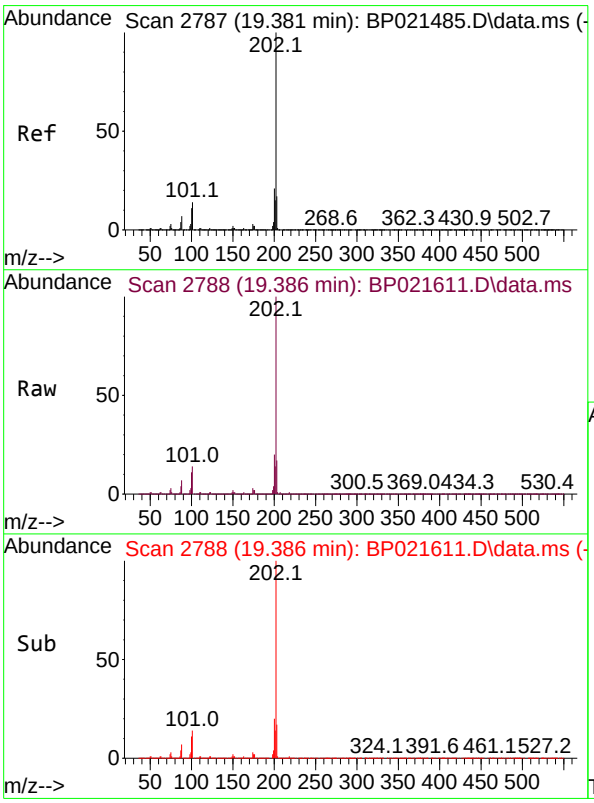
#72
Anthracene
Concen: 3.793 ng
RT: 17.386 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924

Tgt Ion:178 Resp: 360483

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.9	22.3
179	15.7	12.5	18.7

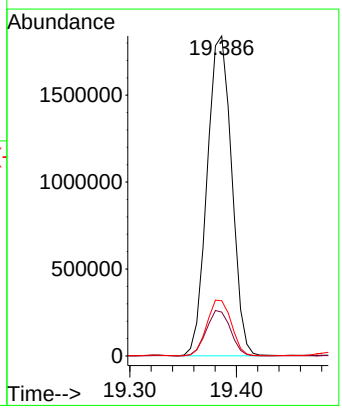


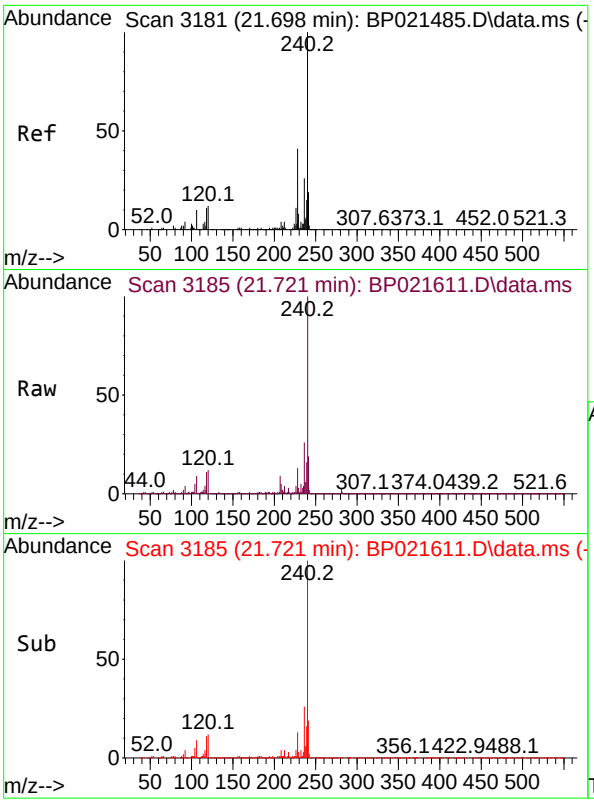


#75
Fluoranthene
Concen: 24.761 ng
RT: 19.386 min Scan# 2788
Delta R.T. 0.006 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Tgt Ion:202 Resp: 2944521

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	34.0
203	17.3	0.0	37.5



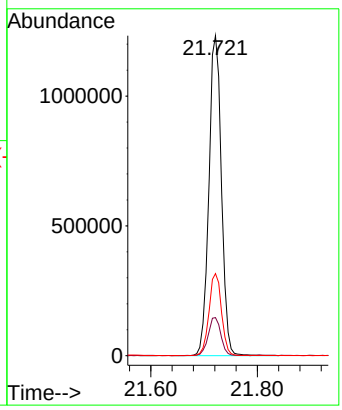


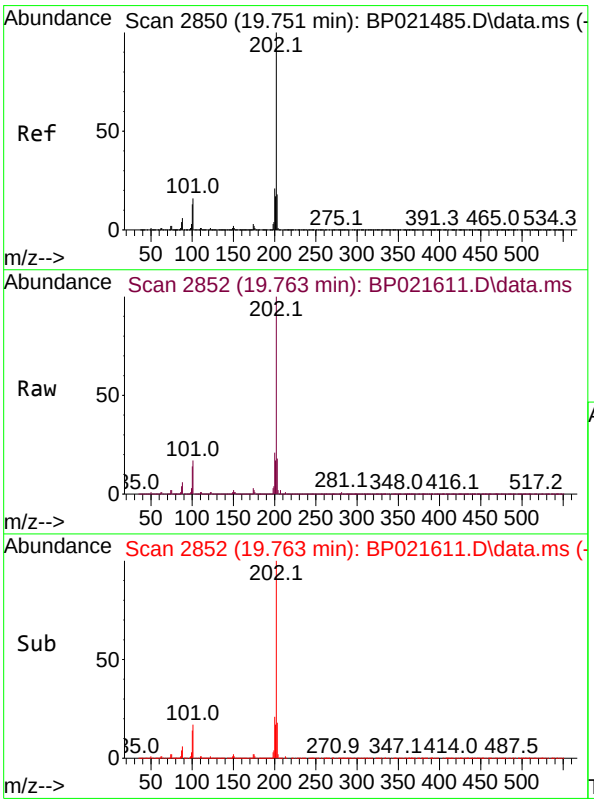
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.721 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924

Tgt Ion:240 Resp: 2006773

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.9	14.9
236	25.6	20.6	30.8

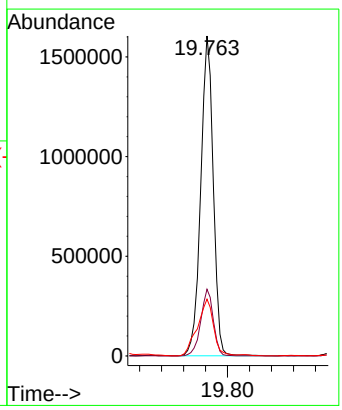


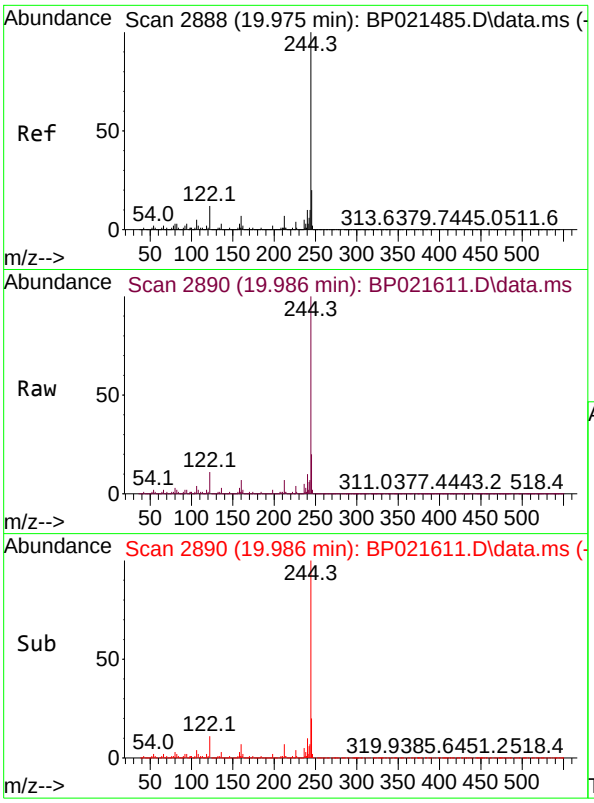


#78
Pyrene
Concen: 19.385 ng
RT: 19.763 min Scan# 2852
Delta R.T. 0.006 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Tgt Ion:202 Resp: 2542639

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.8	14.1	21.1



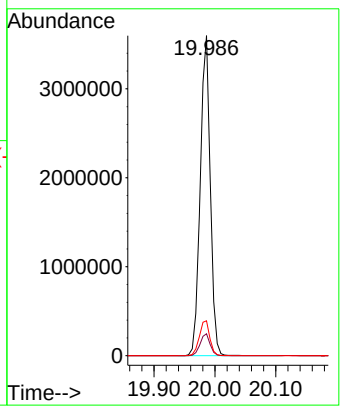


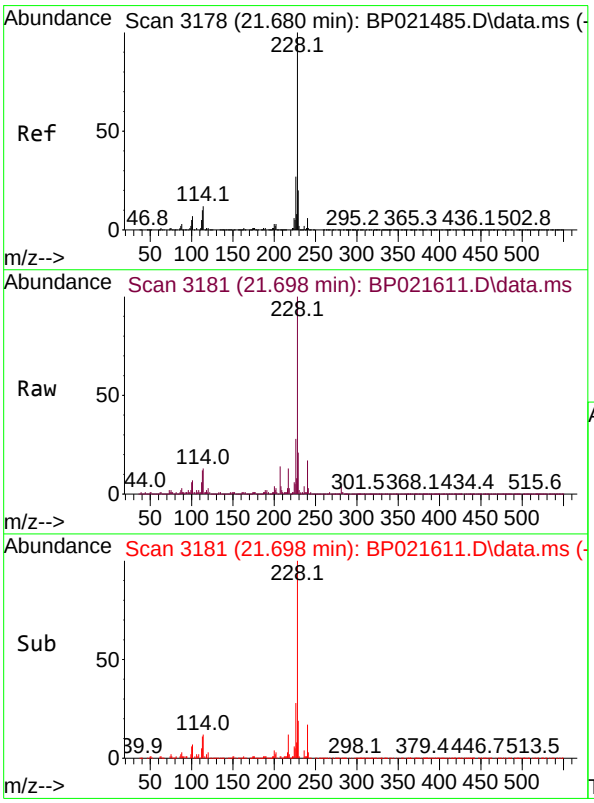
#79
Terphenyl-d14
Concen: 39.572 ng
RT: 19.986 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924

Tgt Ion:244 Resp: 4087629

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.9	9.4	14.2

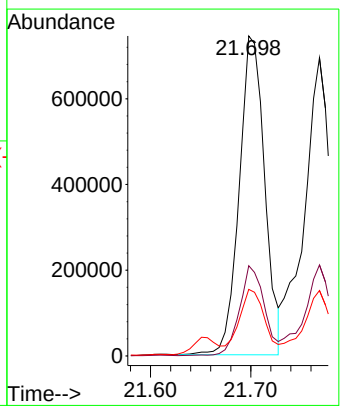


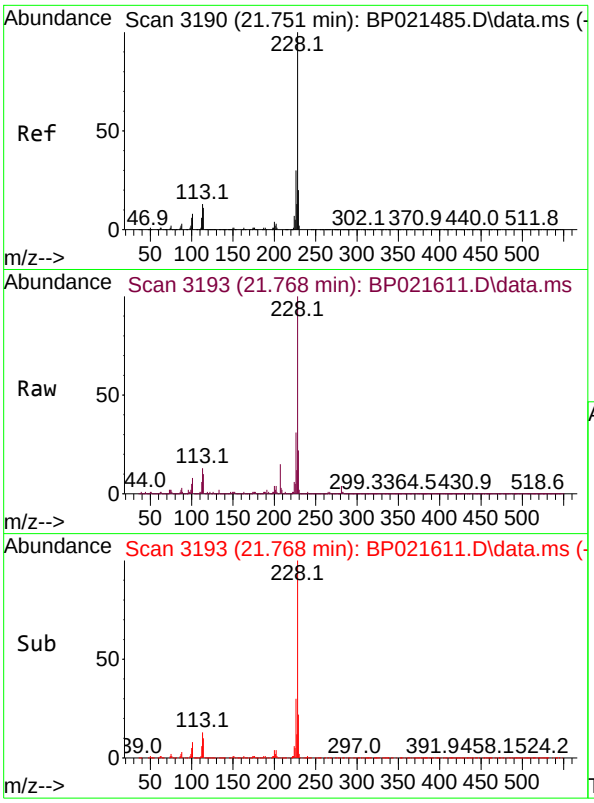


#81
Benzo(a)anthracene
Concen: 10.455 ng
RT: 21.698 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Tgt Ion:228 Resp: 1317142

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.4	32.2
229	20.8	15.8	23.6



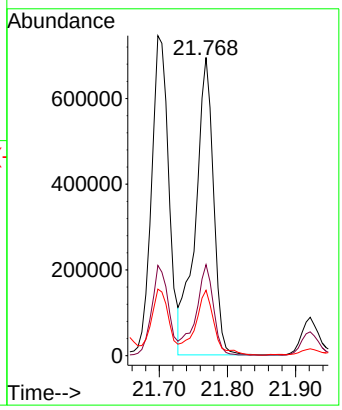


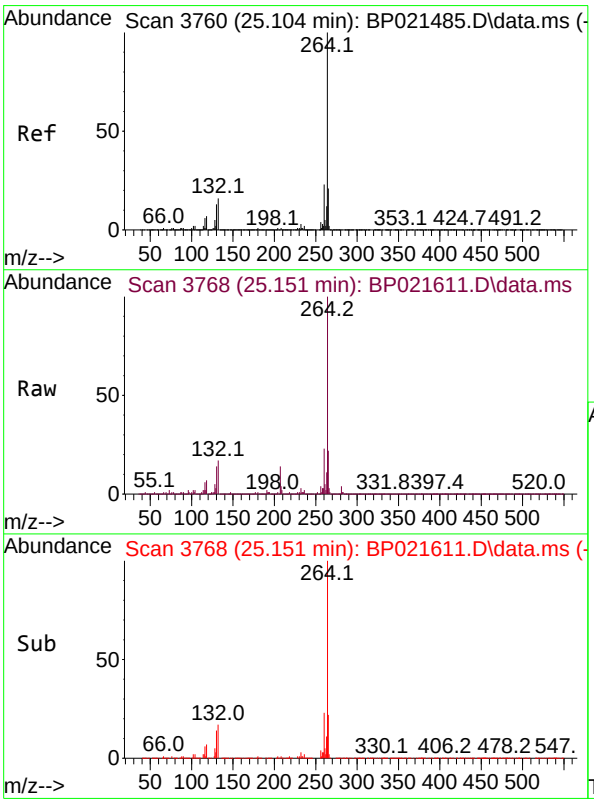
#83
Chrysene
Concen: 10.703 ng
RT: 21.768 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924

Tgt Ion:228 Resp: 1272995

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.9	35.9
229	21.9	15.8	23.6

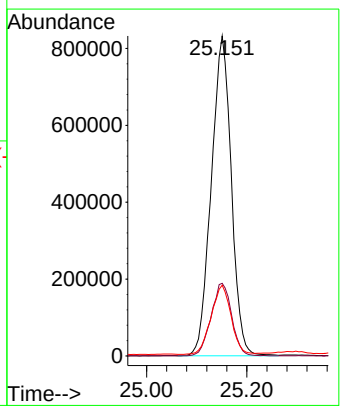


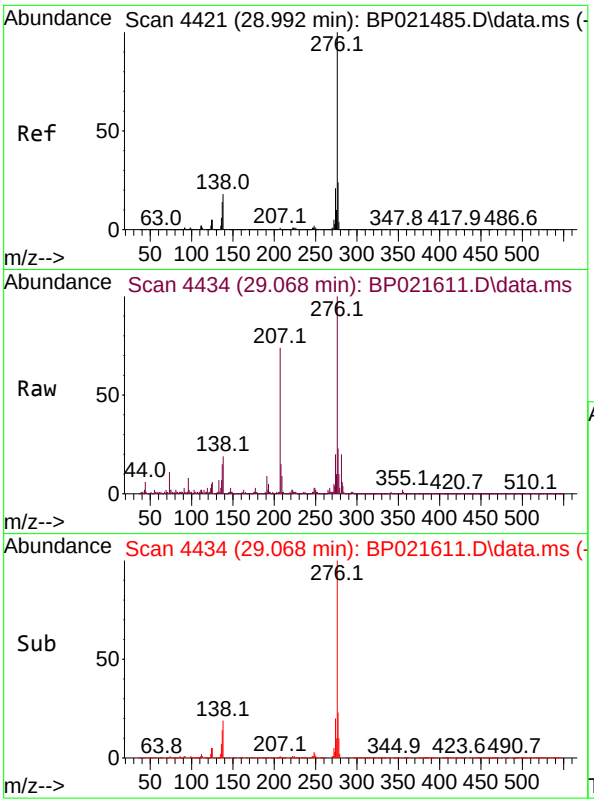


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.151 min Scan# 3768
Delta R.T. -0.000 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Tgt Ion:264 Resp: 2308445

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.6	28.0
265	22.1	17.1	25.7



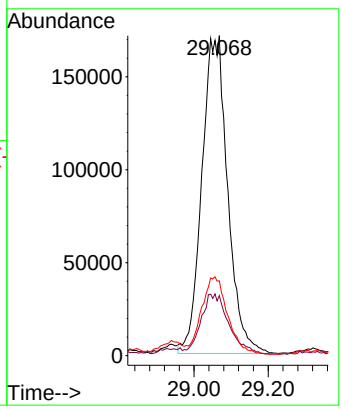


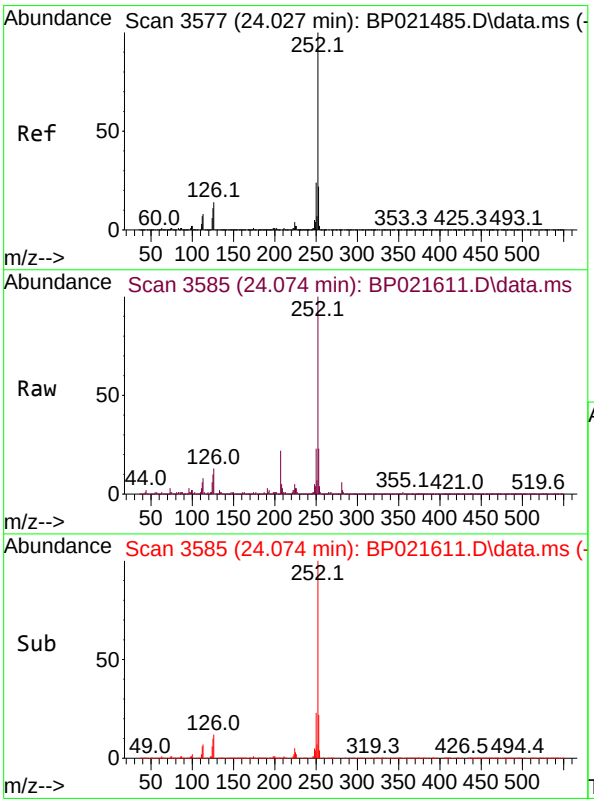
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.506 ng
RT: 29.068 min Scan# 44
Delta R.T. 0.012 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924

Tgt Ion:276 Resp: 823898

Ion	Ratio	Lower	Upper
276	100		
138	20.3	12.8	19.2#
277	24.5	16.5	24.7

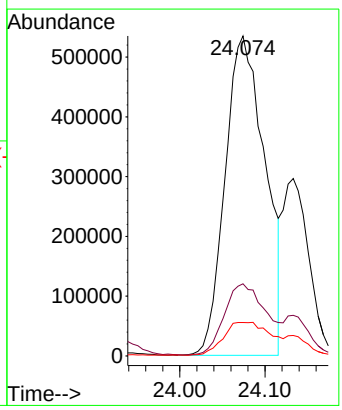


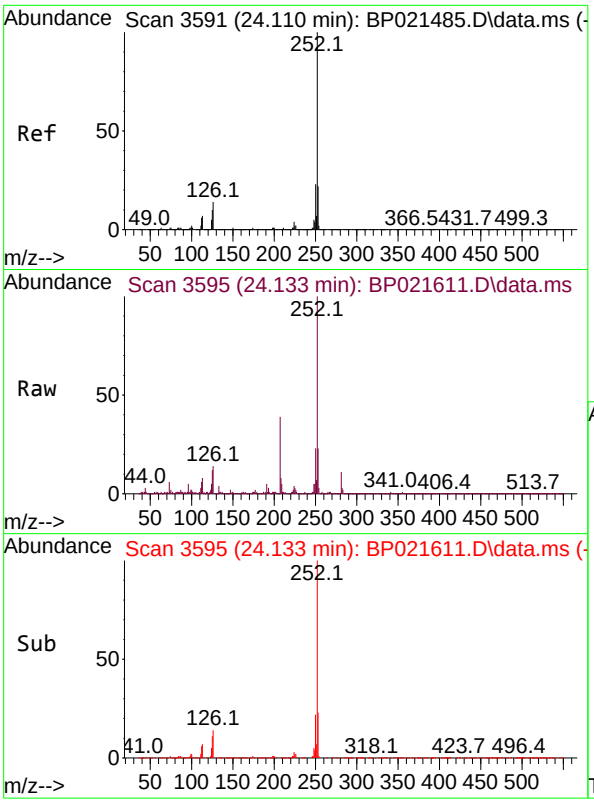


#88
Benzo(b)fluoranthene
Concen: 13.131 ng
RT: 24.074 min Scan# 3585
Delta R.T. 0.017 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Tgt Ion:252 Resp: 1740944

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.6	26.4
125	10.4	8.6	13.0



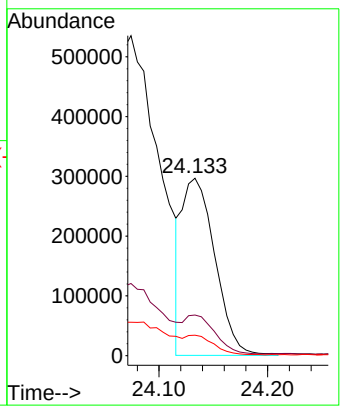


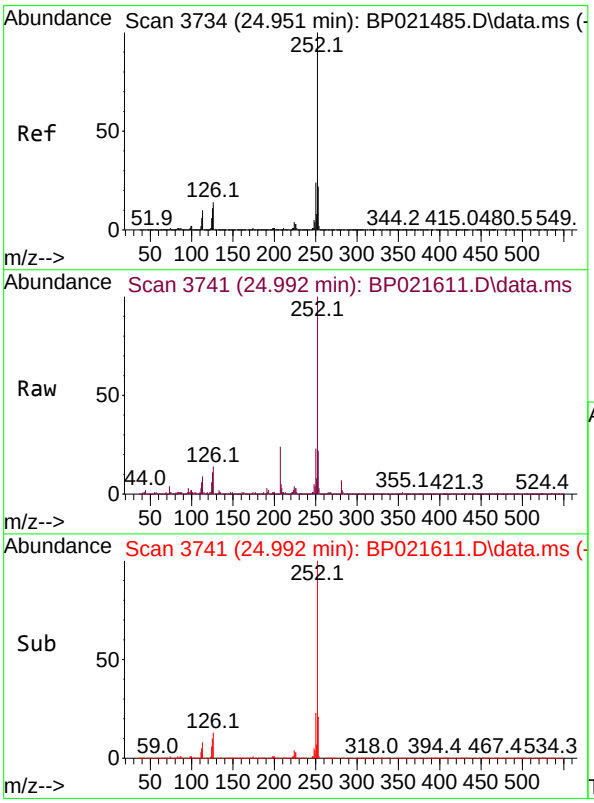
#89
Benzo(k)fluoranthene
Concen: 4.836 ng m
RT: 24.133 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924

Tgt Ion:252 Resp: 625420

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	11.5	7.8	11.8

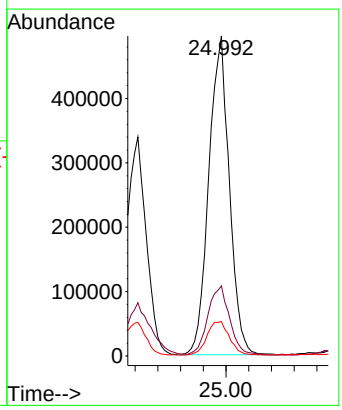


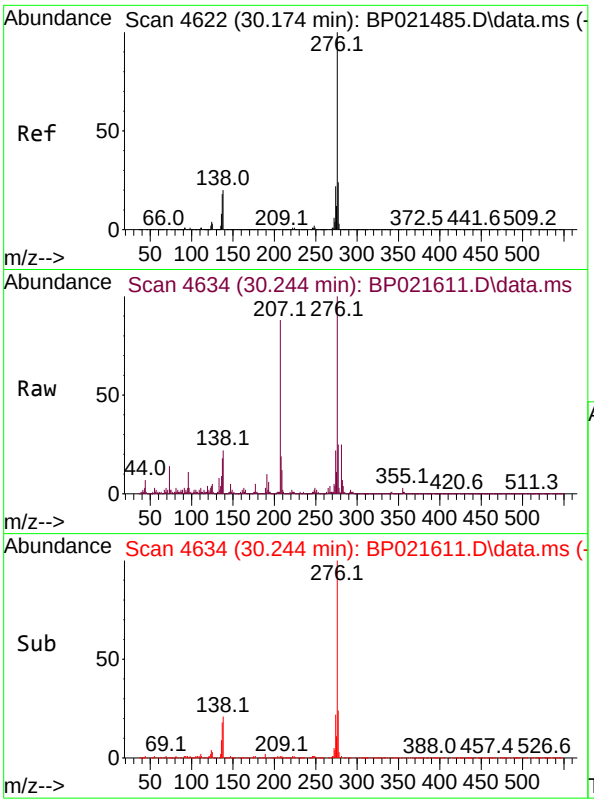


#90
Benzo(a)pyrene
Concen: 10.778 ng
RT: 24.992 min Scan# 3741
Delta R.T. 0.012 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Tgt Ion:252 Resp: 1240051

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.7	8.7	13.1



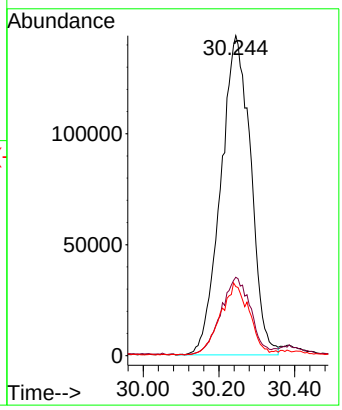


#92
Benzo(g,h,i)perylene
Concen: 6.336 ng
RT: 30.244 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP021611.D
Acq: 22 Aug 2024 12:57

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924

Tgt Ion:276 Resp: 789547

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.0	28.6
138	21.6	16.0	24.0



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-905-KJ-SO-0-0.5-081924-FD	SDG No.:	P3671
Lab Sample ID:	P3671-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	76.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021612.D	1	08/21/24 08:50	08/22/24 13:39	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	100	U	100	220	ug/Kg
100-52-7	Benzaldehyde	240	U	240	430	ug/Kg
95-48-7	2-Methylphenol	100	U	100	220	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	430	ug/Kg
67-72-1	Hexachloroethane	110	U	110	220	ug/Kg
98-95-3	Nitrobenzene	120	U	120	220	ug/Kg
91-20-3	Naphthalene	110	U	110	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	220	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	93.0	U	93.0	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	96.3	U	96.3	220	ug/Kg
208-96-8	Acenaphthylene	110	U	110	220	ug/Kg
83-32-9	Acenaphthene	110	U	110	220	ug/Kg
132-64-9	Dibenzofuran	110	U	110	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	220	ug/Kg
86-73-7	Fluorene	110	U	110	220	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	220	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	430	ug/Kg
85-01-8	Phenanthrene	290		110	220	ug/Kg
120-12-7	Anthracene	110	U	110	220	ug/Kg
86-74-8	Carbazole	100	U	100	220	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	220	ug/Kg
206-44-0	Fluoranthene	820		110	220	ug/Kg
129-00-0	Pyrene	710		110	220	ug/Kg
56-55-3	Benzo(a)anthracene	540		110	220	ug/Kg
218-01-9	Chrysene	500		100	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	700		110	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	210	J	110	220	ug/Kg

Raw Data: **BP021612.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-905-KJ-SO-0-0.5-081924-FD	SDG No.:	P3671
Lab Sample ID:	P3671-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	76.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021612.D	1	08/21/24 08:50	08/22/24 13:39	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
50-32-8	Benzo(a)pyrene	530		120	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	240		100	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	250		100	220	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	220	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	220	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	85.0		30 (18) - 130 (112)	57%	SPK: 150
13127-88-3	Phenol-d6	84.0		30 (15) - 130 (107)	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.8		30 (18) - 130 (107)	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	38.1		30 (20) - 130 (109)	38%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.8		30 (10) - 130 (116)	62%	SPK: 150
1718-51-0	Terphenyl-d14	40.0		30 (10) - 130 (105)	40%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	345000	7.799			
1146-65-2	Naphthalene-d8	1400000	10.587			
15067-26-2	Acenaphthene-d10	909000	14.451			
1517-22-2	Phenanthrene-d10	1940000	17.245			
1719-03-5	Chrysene-d12	1920000	21.716			
1520-96-3	Perylene-d12	2250000	25.139			

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_P\Data\BP082224\
Data File : BP021612.D
Acq On : 22 Aug 2024 13:39
Operator : RC/JU
Sample : P3671-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD

Quant Time: Aug 22 14:17:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 2024
Response via : Initial Calibration

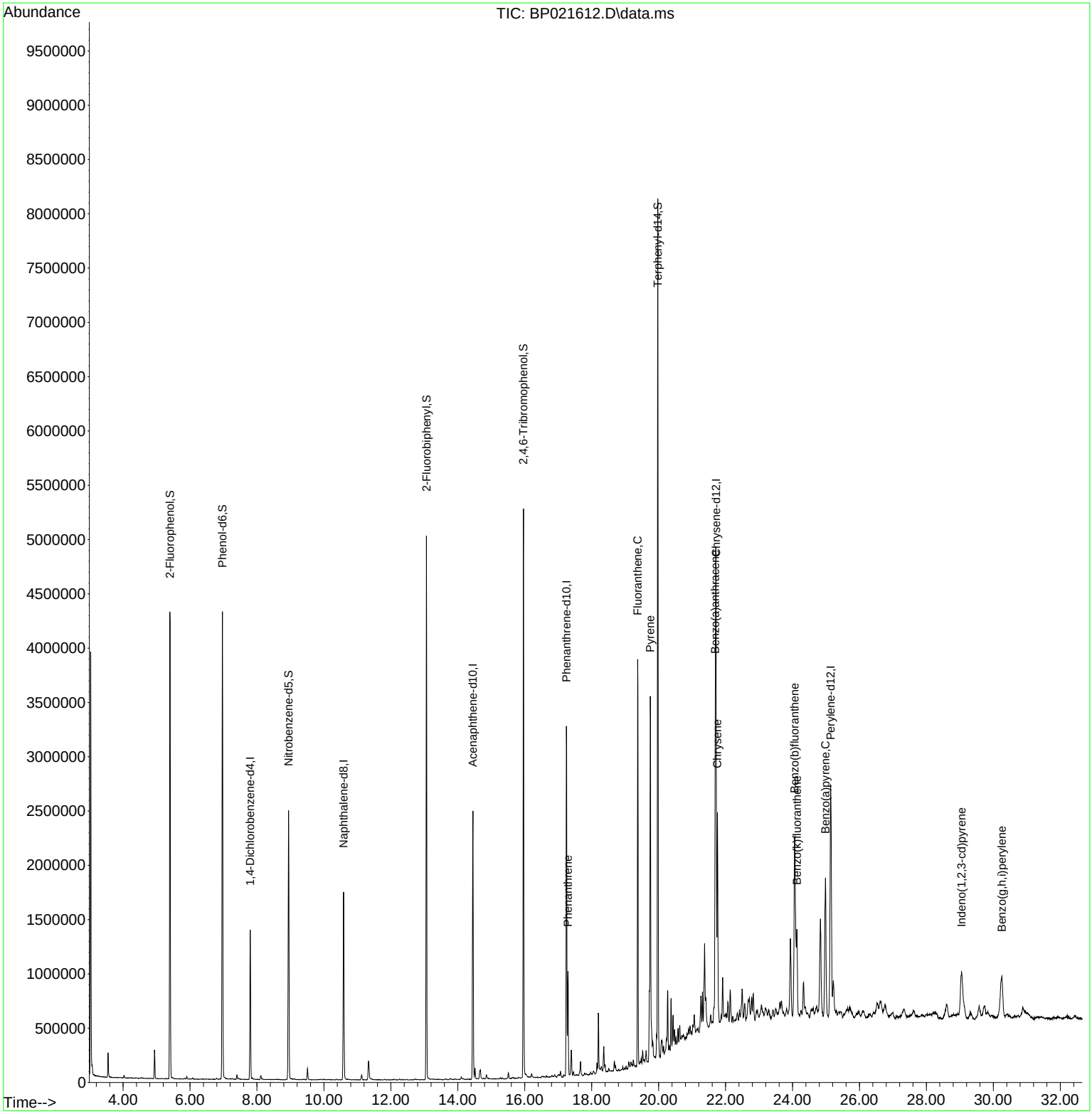
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.799	152	345383	20.000	ng		0.00
21) Naphthalene-d8	10.587	136	1403128	20.000	ng		0.00
39) Acenaphthene-d10	14.451	164	909066	20.000	ng		0.00
64) Phenanthrene-d10	17.245	188	1936346	20.000	ng		0.00
76) Chrysene-d12	21.716	240	1922277	20.000	ng		0.00
86) Perylene-d12	25.139	264	2252156	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.405	112	1976221	84.961	ng		0.00
7) Phenol-d6	6.969	99	2850393	84.005	ng		0.00
23) Nitrobenzene-d5	8.946	82	1624670	59.765	ng		0.00
42) 2,4,6-Tribromophenol	15.963	330	938905	92.800	ng		0.00
45) 2-Fluorobiphenyl	13.063	172	2269948	38.108	ng		0.01
79) Terphenyl-d14	19.975	244	3959259	40.014	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	17.292	178	627601	6.739	ng		99
75) Fluoranthene	19.375	202	2164528	18.944	ng		99
78) Pyrene	19.751	202	2045955	16.284	ng		99
81) Benzo(a)anthracene	21.692	228	1505303	12.474	ng		99
83) Chrysene	21.757	228	1309639	11.495	ng		98
87) Indeno(1,2,3-cd)pyrene	29.051	276	817065	5.597	ng	#	91
88) Benzo(b)fluoranthene	24.063	252	2074438	16.038	ng		98
89) Benzo(k)fluoranthene	24.133	252	598227	4.741	ng		97
90) Benzo(a)pyrene	24.986	252	1364556	12.157	ng		97
92) Benzo(g,h,i)perylene	30.256	276	709065	5.832	ng		97

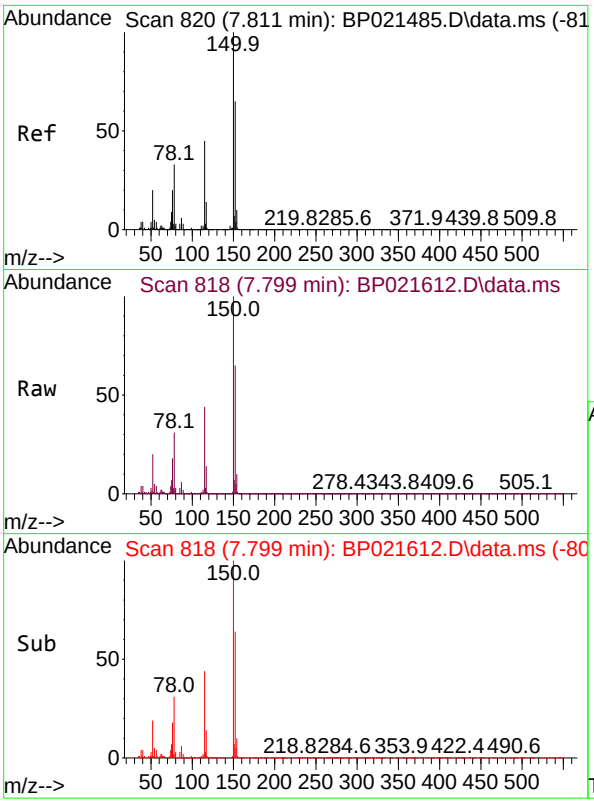
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
Data File : BP021612.D
Acq On : 22 Aug 2024 13:39
Operator : RC/JU
Sample : P3671-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD

Quant Time: Aug 22 14:17:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 2024
Response via : Initial Calibration



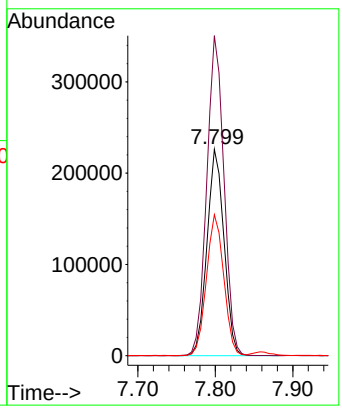


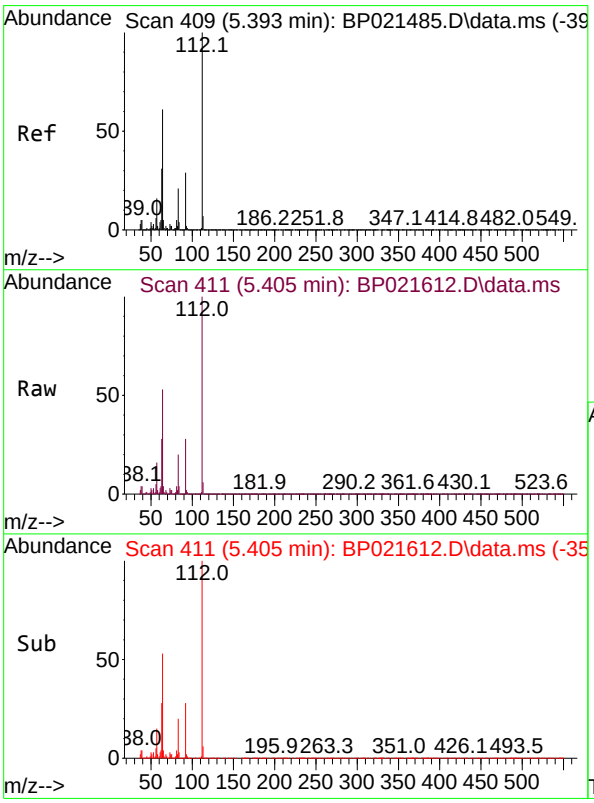
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD

Tgt Ion:152 Resp: 345383

Ion	Ratio	Lower	Upper
152	100		
150	155.0	122.4	183.6
115	68.3	54.7	82.1

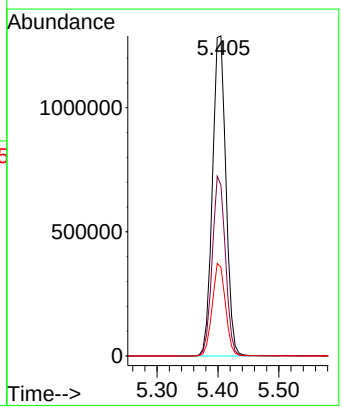


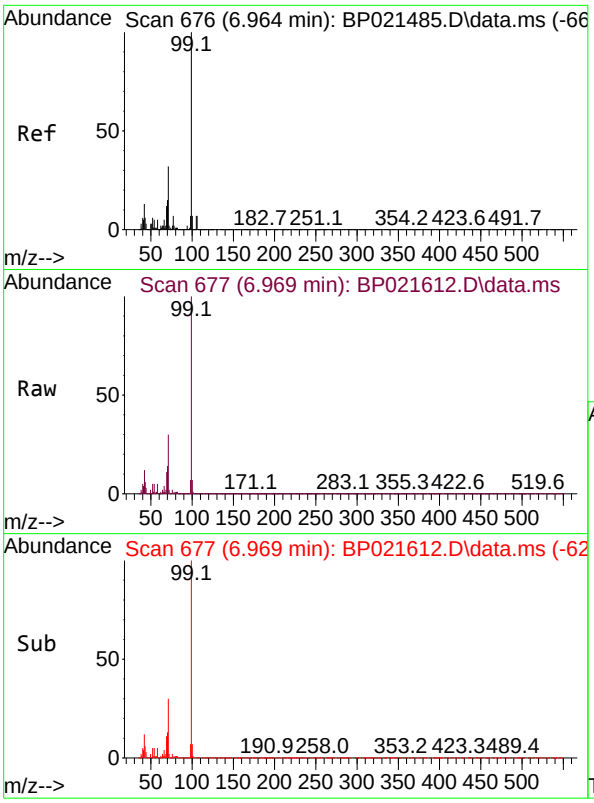


#5
2-Fluorophenol
Concen: 84.961 ng
RT: 5.405 min Scan# 411
Delta R.T. 0.006 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Tgt Ion:112 Resp: 1976221

Ion	Ratio	Lower	Upper
112	100		
64	53.4	49.0	73.6
63	27.7	24.6	36.8



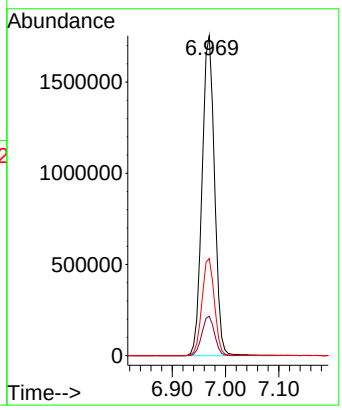


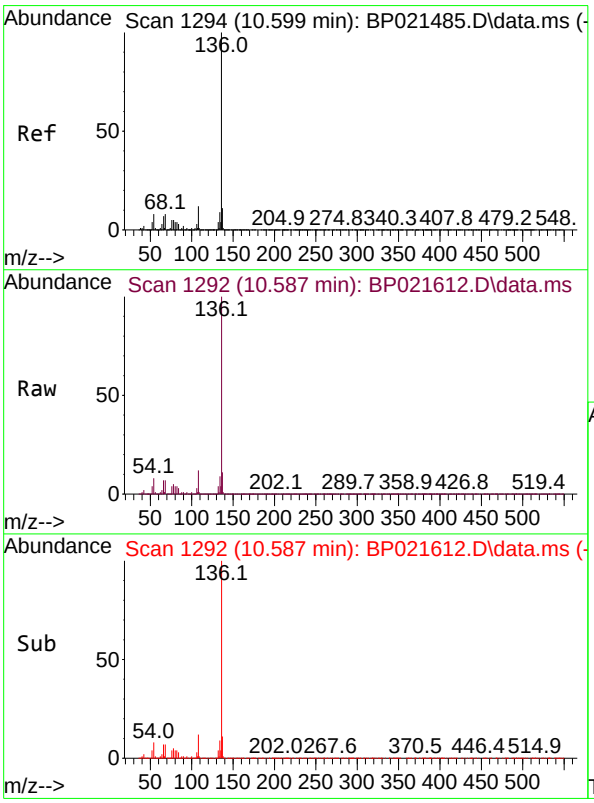
#7
Phenol-d6
Concen: 84.005 ng
RT: 6.969 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD

Tgt Ion: 99 Resp: 2850393

Ion	Ratio	Lower	Upper
99	100		
42	12.3	10.2	15.4
71	30.4	25.8	38.8

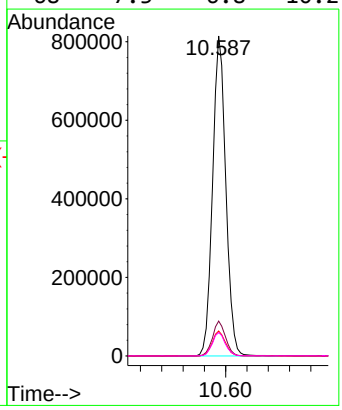


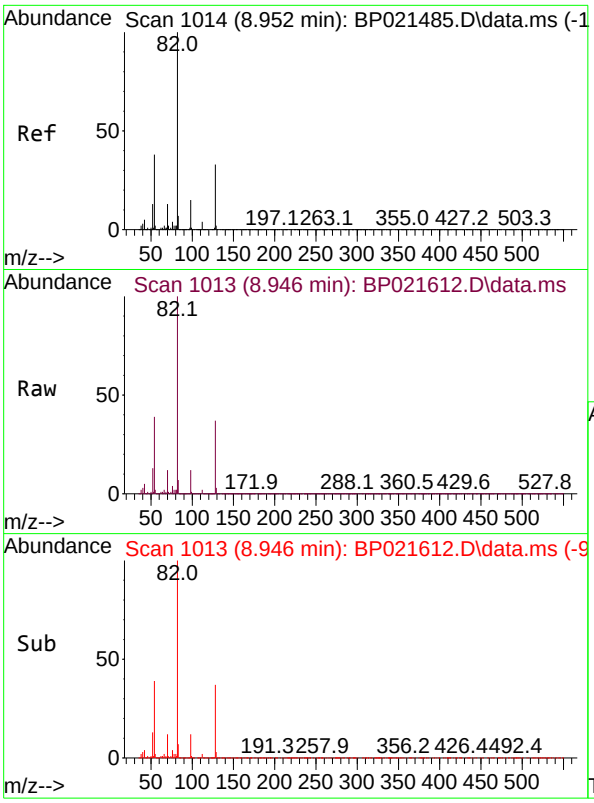


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.000 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Tgt Ion:136 Resp: 1403128

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.8	6.3	9.5
68	7.3	6.8	10.2



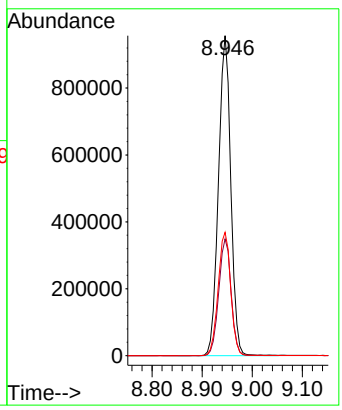


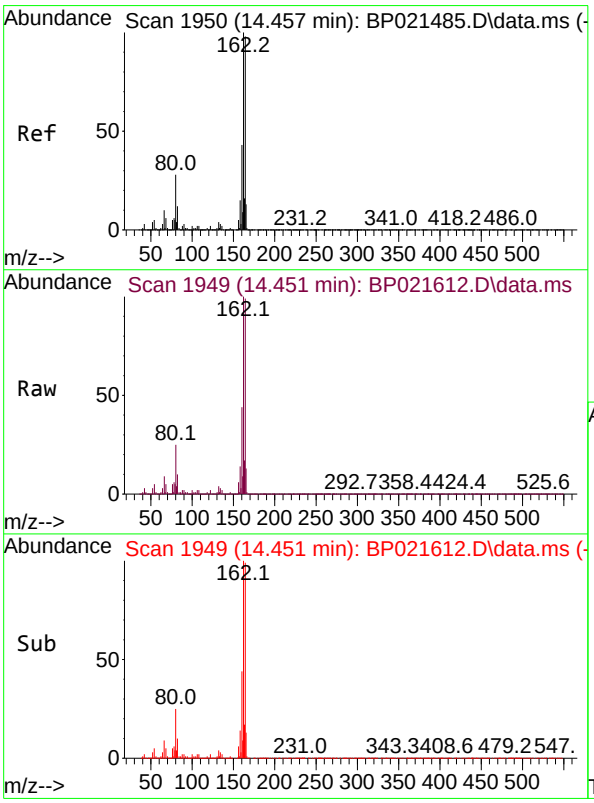
#23
Nitrobenzene-d5
Concen: 59.765 ng
RT: 8.946 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD

Tgt Ion: 82 Resp: 1624670

Ion	Ratio	Lower	Upper
82	100		
128	36.5	26.5	39.7
54	38.6	30.3	45.5

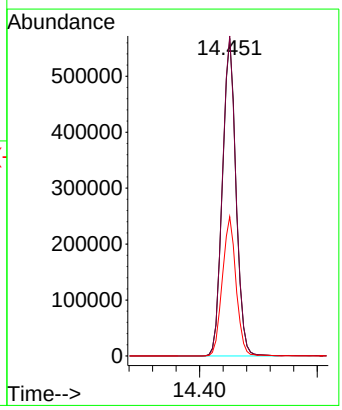


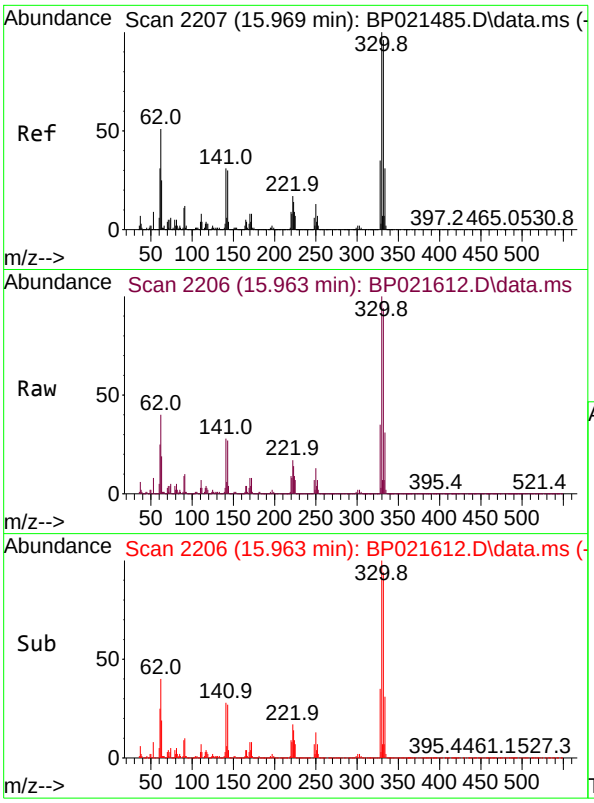


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Tgt Ion:164 Resp: 909066

Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.5	122.3
160	43.8	35.2	52.8



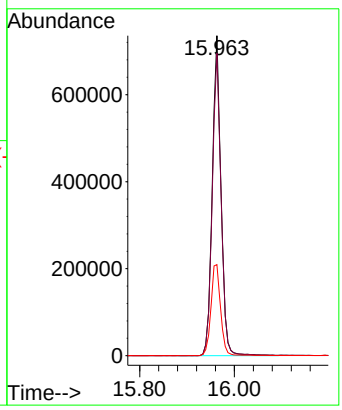


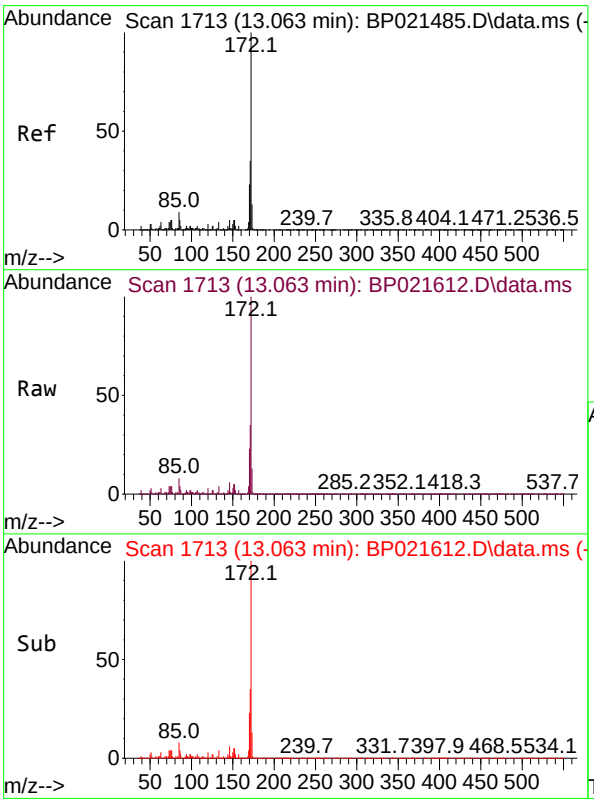
#42
2,4,6-Tribromophenol
Concen: 92.800 ng
RT: 15.963 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD

Tgt Ion:330 Resp: 938905

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.4	116.0
141	31.6	24.5	36.7

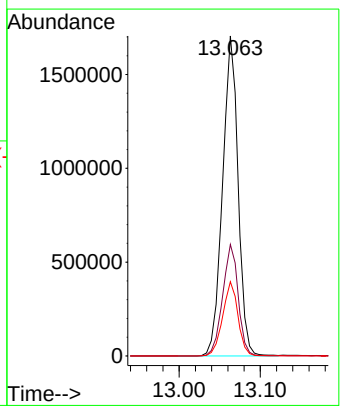


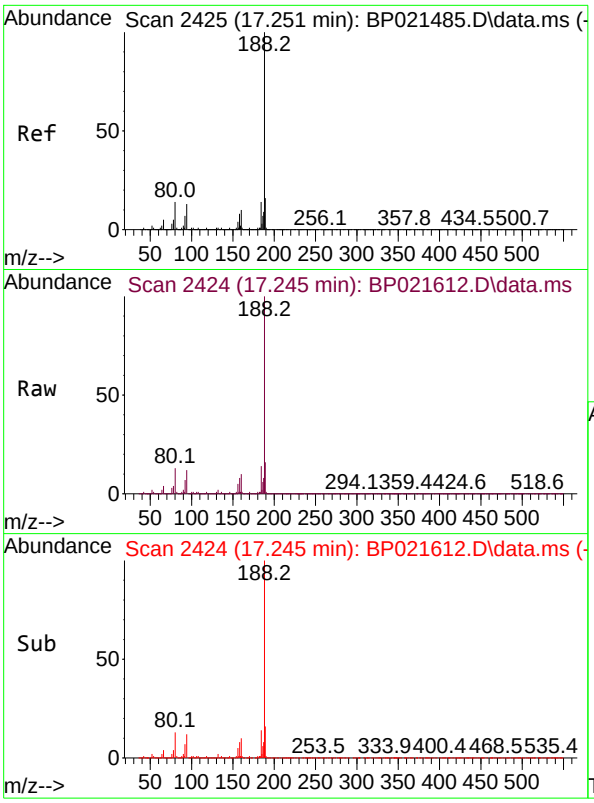


#45
2-Fluorobiphenyl
Concen: 38.108 ng
RT: 13.063 min Scan# 1713
Delta R.T. 0.012 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Tgt Ion:172 Resp: 2269948

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.4
170	23.2	18.4	27.6



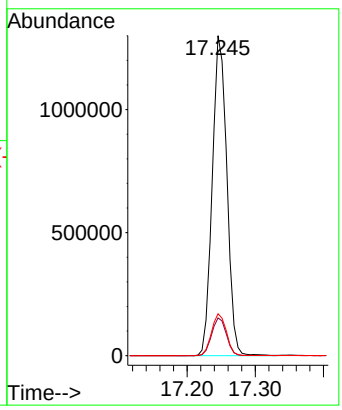


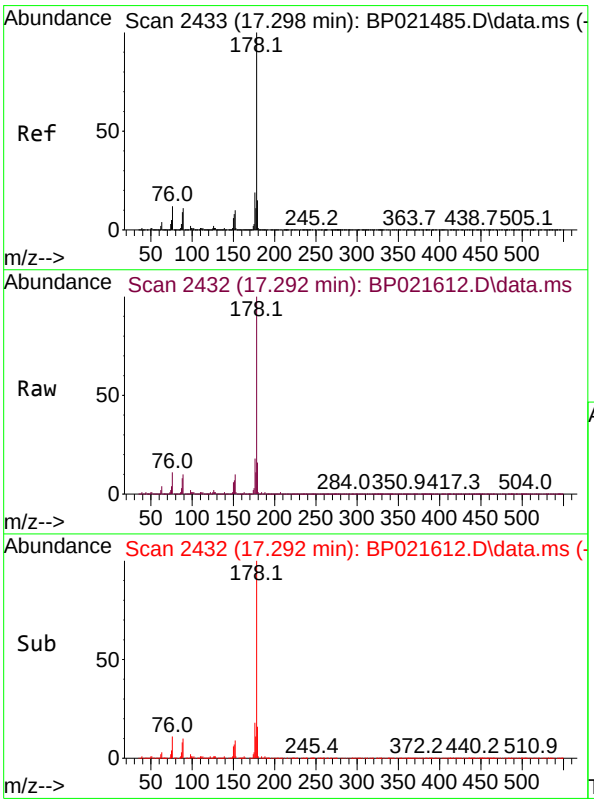
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD

Tgt Ion:188 Resp: 1936346

Ion	Ratio	Lower	Upper
188	100		
94	11.8	10.2	15.4
80	13.1	11.6	17.4

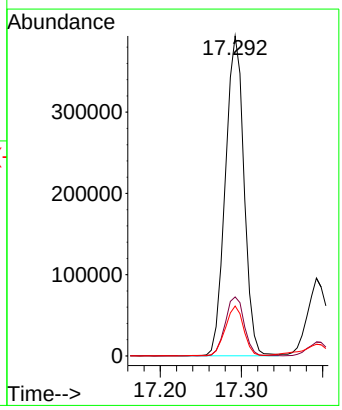


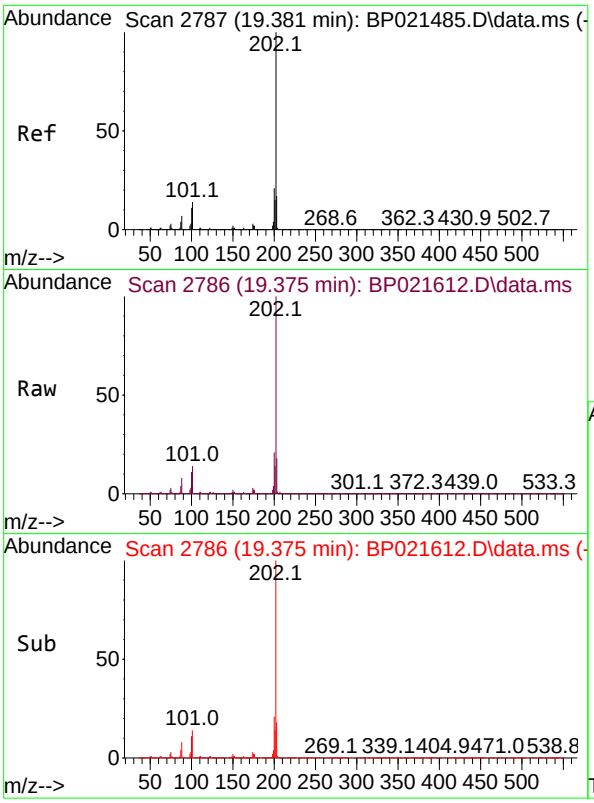


#71
Phenanthrene
Concen: 6.739 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Tgt Ion:178 Resp: 627601

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.6	12.4	18.6



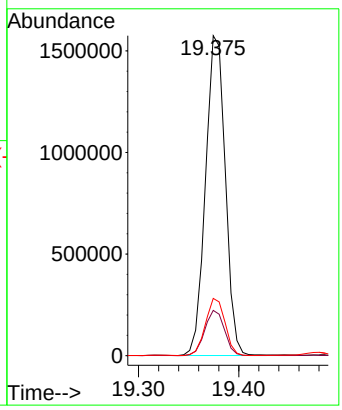


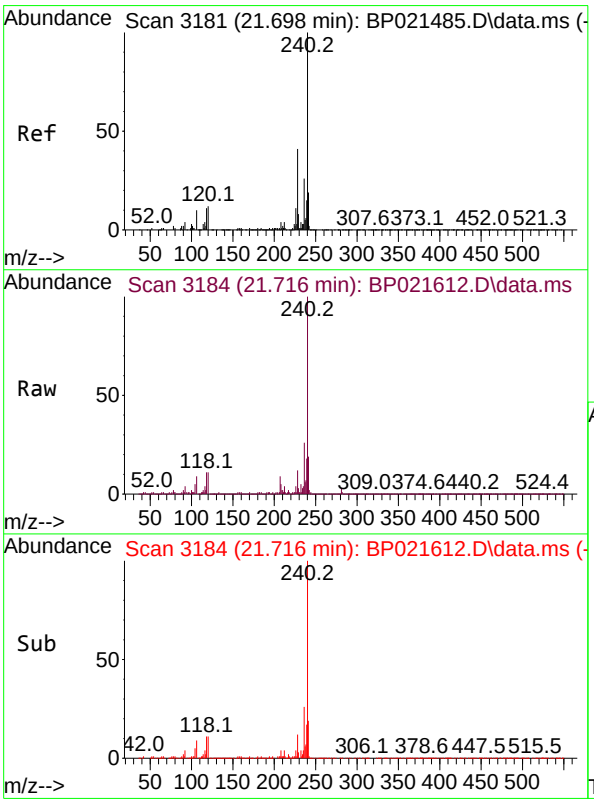
#75
Fluoranthene
Concen: 18.944 ng
RT: 19.375 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD

Tgt Ion:202 Resp: 2164528

Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	34.0
203	17.9	0.0	37.5

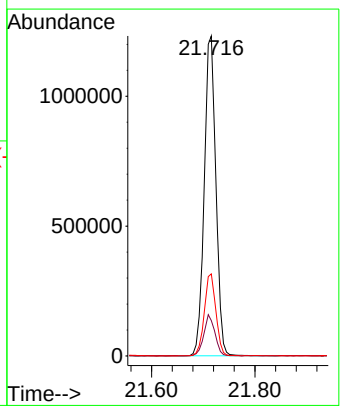


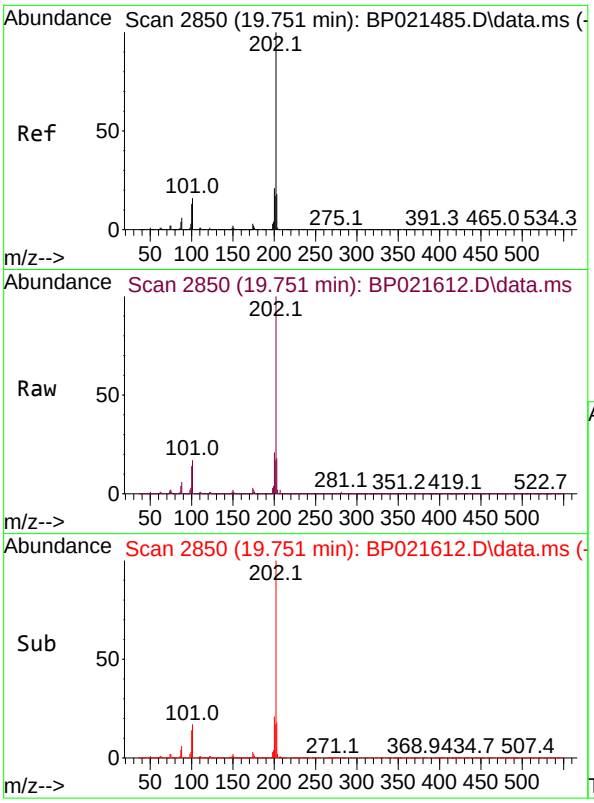


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.716 min Scan# 3184
Delta R.T. -0.000 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Tgt Ion:240 Resp: 1922277

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.9	14.9
236	25.7	20.6	30.8



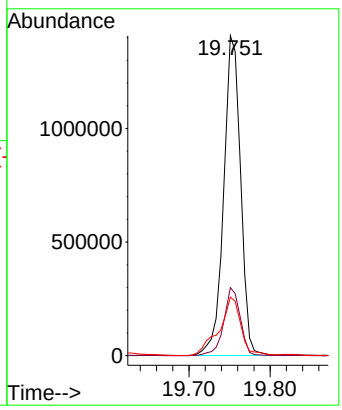


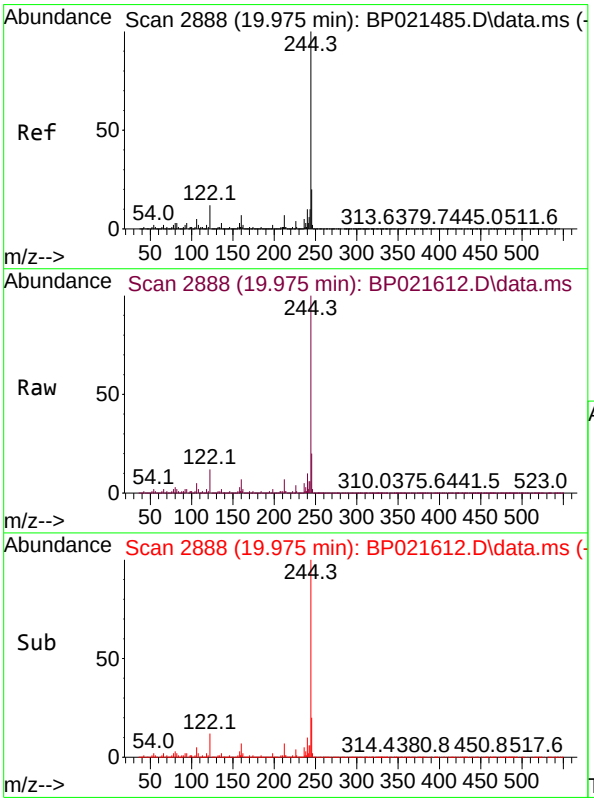
#78
Pyrene
Concen: 16.284 ng
RT: 19.751 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD

Tgt Ion:202 Resp: 2045955

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	18.3	14.1	21.1

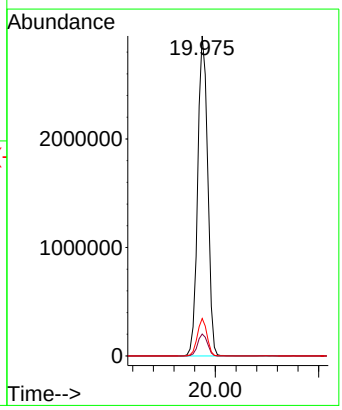


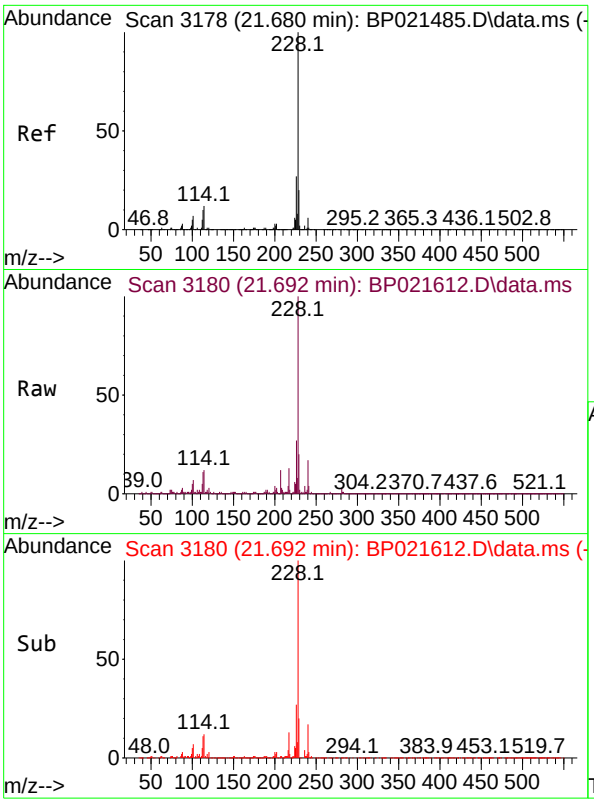


#79
Terphenyl-d14
Concen: 40.014 ng
RT: 19.975 min Scan# 2888
Delta R.T. -0.000 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Tgt Ion:244 Resp: 3959259

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	11.7	9.4	14.2



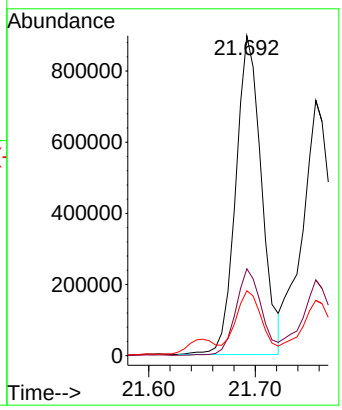


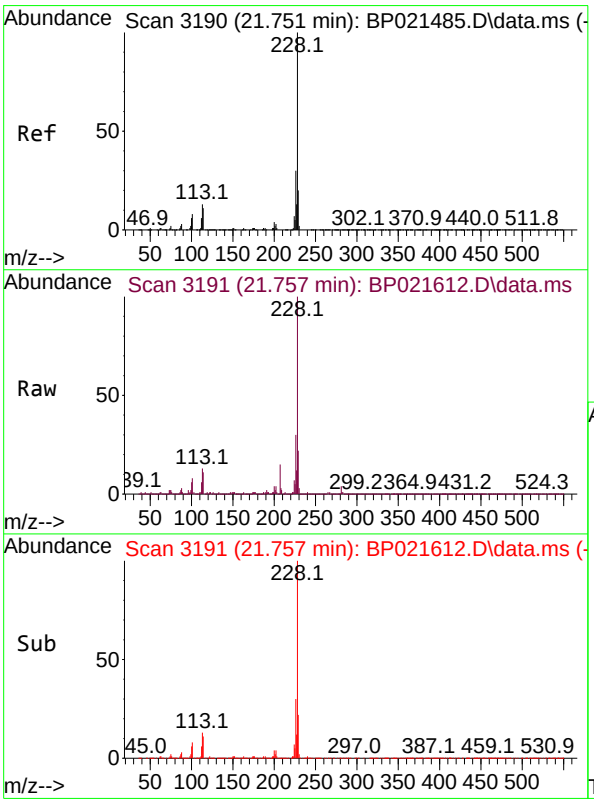
#81
Benzo(a)anthracene
Concen: 12.474 ng
RT: 21.692 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD

Tgt Ion:228 Resp: 1505303

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.4	32.2
229	20.3	15.8	23.6

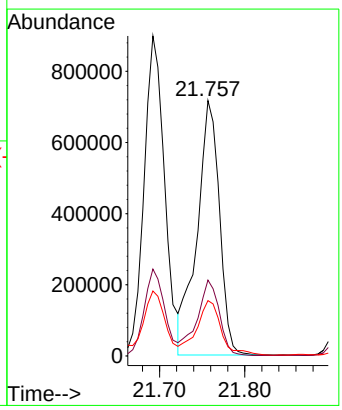


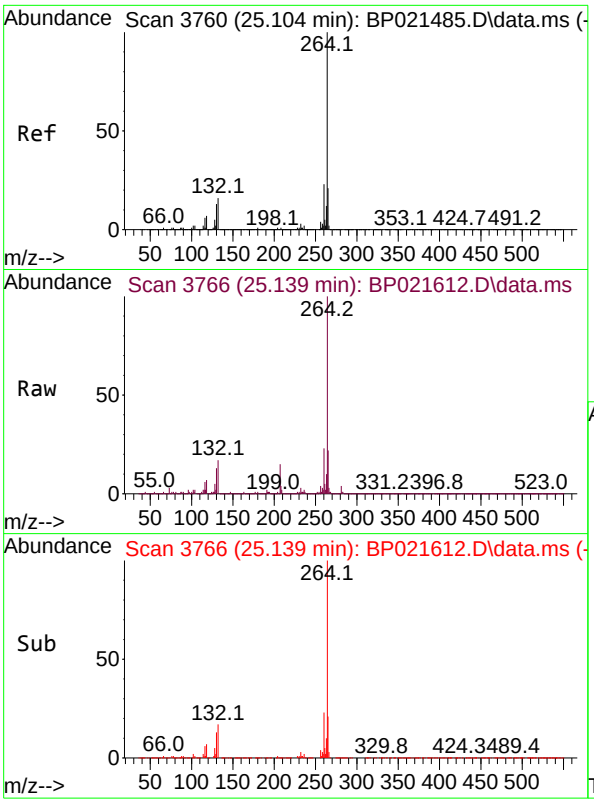


#83
Chrysene
Concen: 11.495 ng
RT: 21.757 min Scan# 3191
Delta R.T. -0.012 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Tgt Ion:228 Resp: 1309639

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	21.7	15.8	23.6



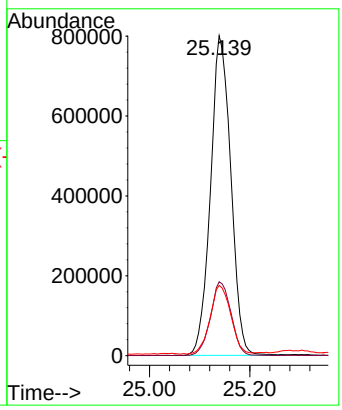


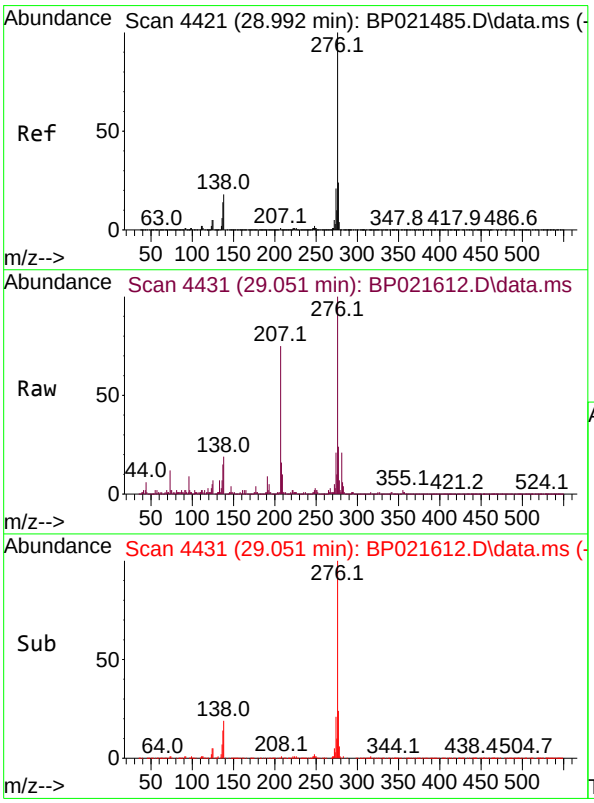
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.139 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD

Tgt Ion:264 Resp: 2252156

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	22.0	17.1	25.7

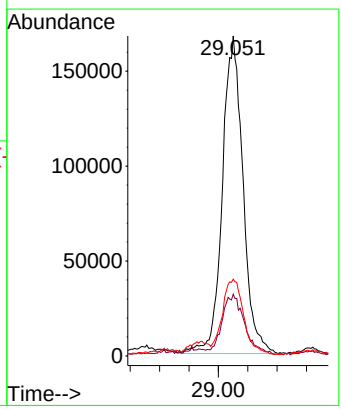


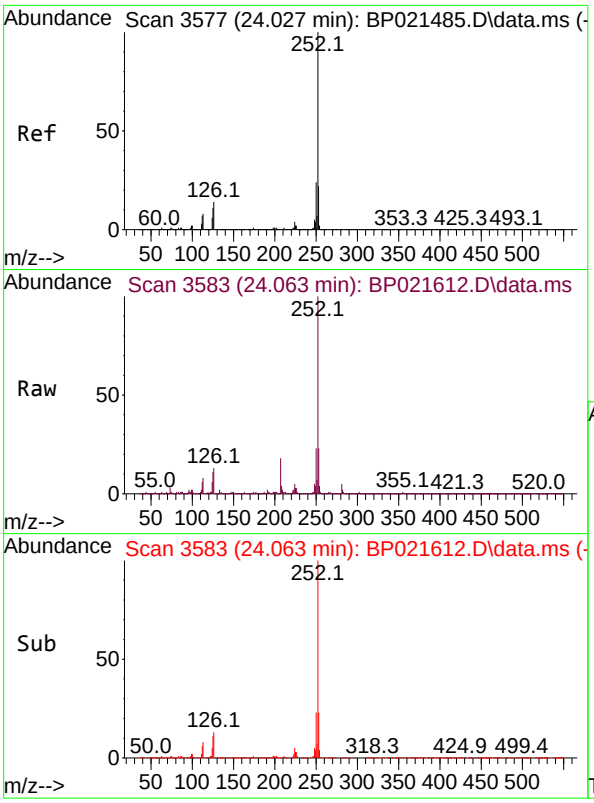


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.597 ng
RT: 29.051 min Scan# 4431
Delta R.T. -0.006 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Tgt Ion:276 Resp: 817065

Ion	Ratio	Lower	Upper
276	100		
138	20.2	12.8	19.2#
277	24.5	16.5	24.7



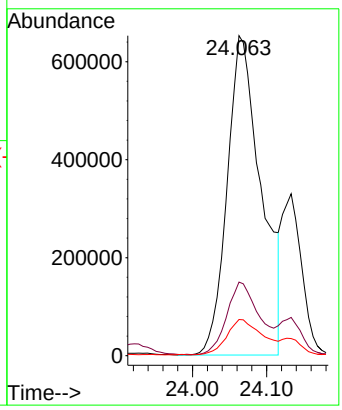


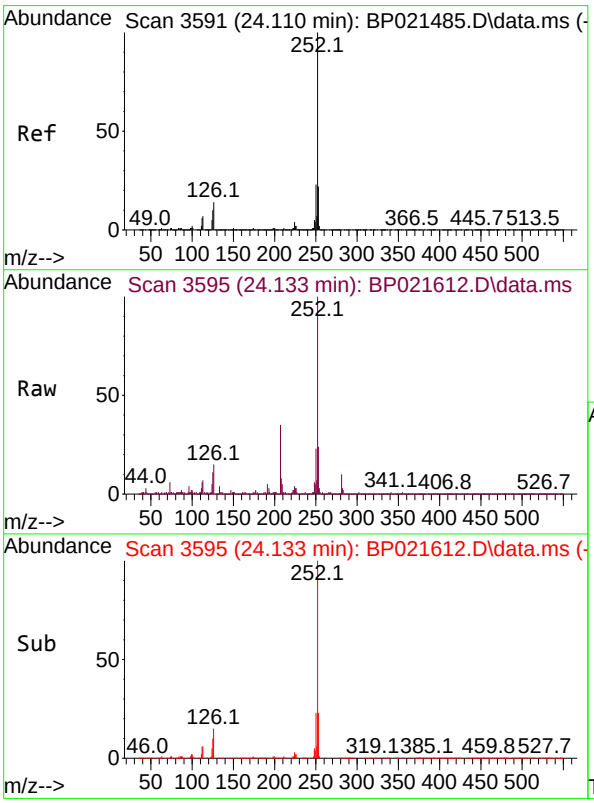
#88
Benzo(b)fluoranthene
Concen: 16.038 ng
RT: 24.063 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD

Tgt Ion:252 Resp: 2074438

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	11.3	8.6	13.0

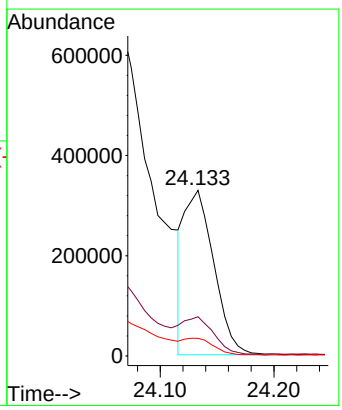


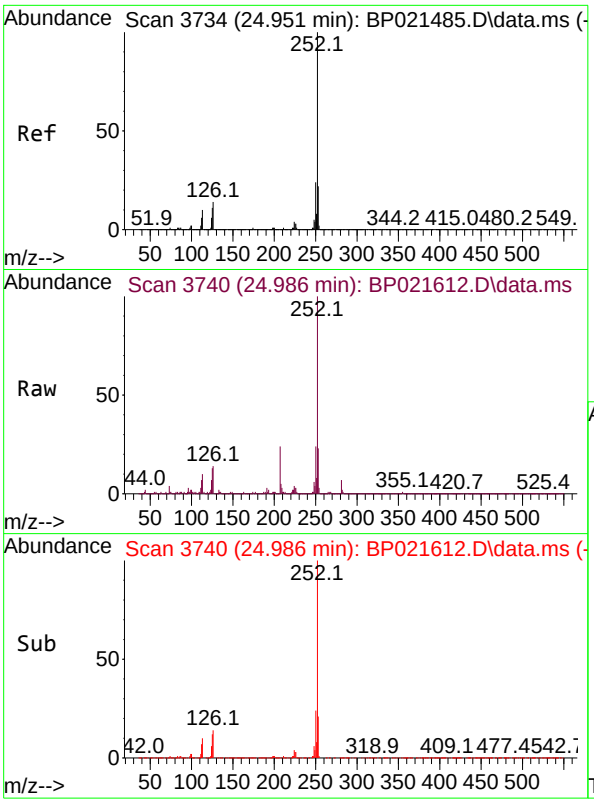


#89
Benzo(k)fluoranthene
Concen: 4.741 ng
RT: 24.133 min Scan# 3595
Delta R.T. -0.000 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Tgt Ion:252 Resp: 598227

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	10.6	7.8	11.8



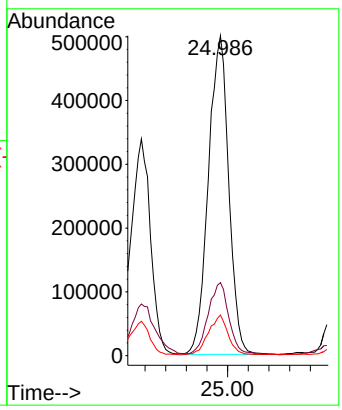


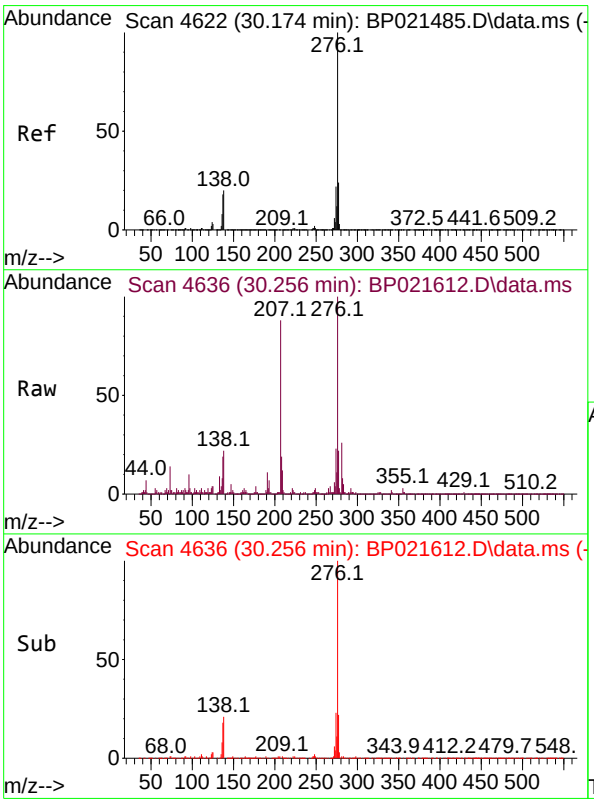
#90
Benzo(a)pyrene
Concen: 12.157 ng
RT: 24.986 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Instrument :
BNA_P
ClientSampleId :
S-905-KJ-SO-0-0.5-081924-FD

Tgt Ion:252 Resp: 1364556

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	12.7	8.7	13.1

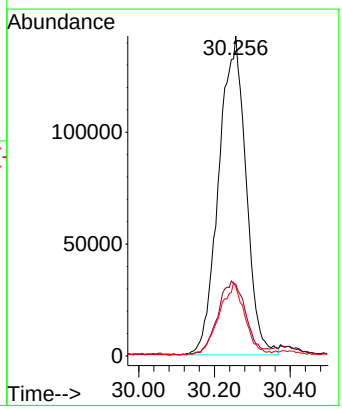




#92
Benzo(g,h,i)perylene
Concen: 5.832 ng
RT: 30.256 min Scan# 4636
Delta R.T. -0.006 min
Lab File: BP021612.D
Acq: 22 Aug 2024 13:39

Tgt Ion:276 Resp: 709065

Ion	Ratio	Lower	Upper
276	100		
277	22.4	19.0	28.6
138	21.6	16.0	24.0



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-905-J-SO-0.5-1.0-081924	SDG No.:	P3671
Lab Sample ID:	P3671-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047322.D	1	08/21/24 08:50	08/22/24 18:29	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	97.2	U	97.2	210	ug/Kg
100-52-7	Benzaldehyde	220	U	220	400	ug/Kg
95-48-7	2-Methylphenol	98.1	U	98.1	210	ug/Kg
65794-96-9	3+4-Methylphenols	97.1	U	97.1	400	ug/Kg
67-72-1	Hexachloroethane	100	U	100	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	210	ug/Kg
91-20-3	Naphthalene	100	U	100	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	86.9	U	86.9	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	90.1	U	90.1	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	210	ug/Kg
83-32-9	Acenaphthene	110	J	98.7	210	ug/Kg
132-64-9	Dibenzofuran	100	U	100	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	210	ug/Kg
86-73-7	Fluorene	100	U	100	210	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	210	ug/Kg
87-86-5	Pentachlorophenol	94.1	U	94.1	400	ug/Kg
85-01-8	Phenanthrene	770		100	210	ug/Kg
120-12-7	Anthracene	190	J	100	210	ug/Kg
86-74-8	Carbazole	97.7	U	97.7	210	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	210	ug/Kg
206-44-0	Fluoranthene	1800		99.4	210	ug/Kg
129-00-0	Pyrene	1600		100	210	ug/Kg
56-55-3	Benzo(a)anthracene	1300		98.2	210	ug/Kg
218-01-9	Chrysene	1100		96.8	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		98.7	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	610		100	210	ug/Kg

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-905-J-SO-0.5-1.0-081924	SDG No.:	P3671
Lab Sample ID:	P3671-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047322.D	1	08/21/24 08:50	08/22/24 18:29	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
50-32-8	Benzo(a)pyrene	1200		110	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	430		95.1	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	J	98.8	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	450		97.5	210	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	71.6		30 (18) - 130 (112)	48%	SPK: 150
13127-88-3	Phenol-d6	69.0		30 (15) - 130 (107)	46%	SPK: 150
4165-60-0	Nitrobenzene-d5	45.7		30 (18) - 130 (107)	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.3		30 (20) - 130 (109)	40%	SPK: 100
118-79-6	2,4,6-Tribromophenol	76.6		30 (10) - 130 (116)	51%	SPK: 150
1718-51-0	Terphenyl-d14	44.8		30 (10) - 130 (105)	45%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	266000	7.351			
1146-65-2	Naphthalene-d8	1000000	10.104			
15067-26-2	Acenaphthene-d10	665000	14.01			
1517-22-2	Phenanthrene-d10	1390000	16.774			
1719-03-5	Chrysene-d12	1220000	21.021			
1520-96-3	Perylene-d12	1210000	23.709			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **BM047322.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047322.D
Acq On : 22 Aug 2024 18:29
Operator : RC/JU
Sample : P3671-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 23 02:40:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.351	152	265711	20.000	ng		-0.02
21) Naphthalene-d8	10.104	136	1004297	20.000	ng		-0.03
39) Acenaphthene-d10	14.010	164	664742	20.000	ng		-0.02
64) Phenanthrene-d10	16.774	188	1391490	20.000	ng		-0.02
76) Chrysene-d12	21.021	240	1222867	20.000	ng		-0.01
86) Perylene-d12	23.709	264	1213445	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.010	112	1065207	71.633	ng		-0.01
7) Phenol-d6	6.569	99	1414544	69.035	ng		-0.02
23) Nitrobenzene-d5	8.498	82	912386	45.745	ng		-0.02
42) 2,4,6-Tribromophenol	15.522	330	590126	76.562	ng		-0.02
45) 2-Fluorobiphenyl	12.616	172	1735293	40.267	ng		-0.03
79) Terphenyl-d14	19.445	244	2555748	44.783	ng		-0.02
Target Compounds							Qvalue
52) Acenaphthene	14.075	154	90060	2.604	ng		98
58) Fluorene	15.075	166	83316	1.848	ng		100
71) Phenanthrene	16.816	178	1328548	19.025	ng		100
72) Anthracene	16.910	178	318316	4.685	ng		99
73) Carbazole	17.198	167	156999	2.263	ng		99
75) Fluoranthene	18.857	202	3697841	43.535	ng		99
78) Pyrene	19.221	202	3512349	40.226	ng		99
81) Benzo(a)anthracene	21.004	228	2601641	32.047	ng		99
83) Chrysene	21.057	228	2056904	26.705	ng		97
87) Indeno(1,2,3-cd)pyrene	26.691	276	829574	10.577	ng	#	94
88) Benzo(b)fluoranthene	22.874	252	2568508	35.643	ng		99
89) Benzo(k)fluoranthene	22.921	252	1016397m	14.933	ng		
90) Benzo(a)pyrene	23.586	252	1774318	28.423	ng		97
91) Dibenzo(a,h)anthracene	26.727	278	220194	3.469	ng		95
92) Benzo(g,h,i)perylene	27.621	276	725247	11.005	ng		98

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

Sample Results: **BM047322.D**

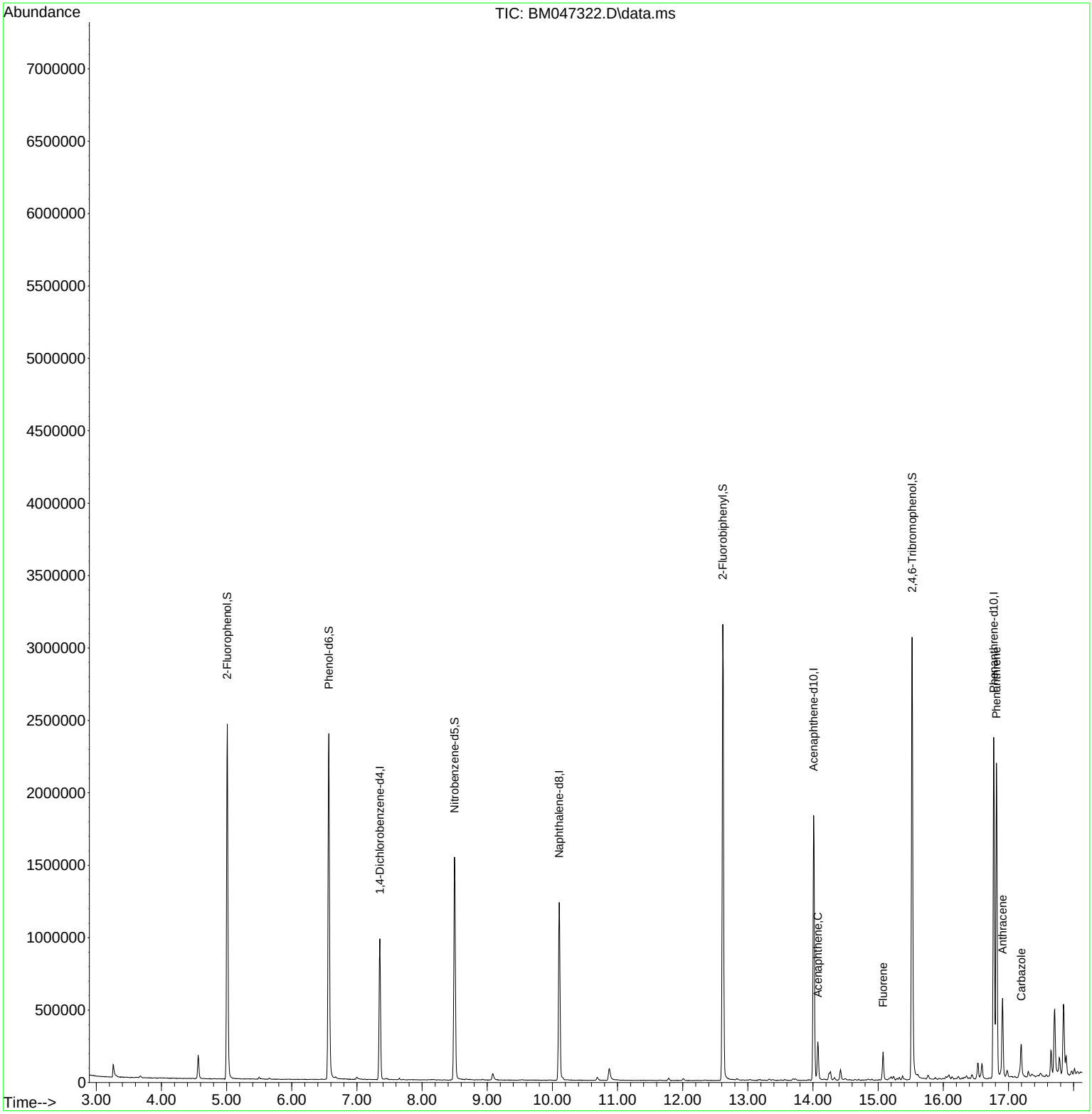
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047322.D
Acq On : 22 Aug 2024 18:29
Operator : RC/JU
Sample : P3671-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 23 02:40:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024



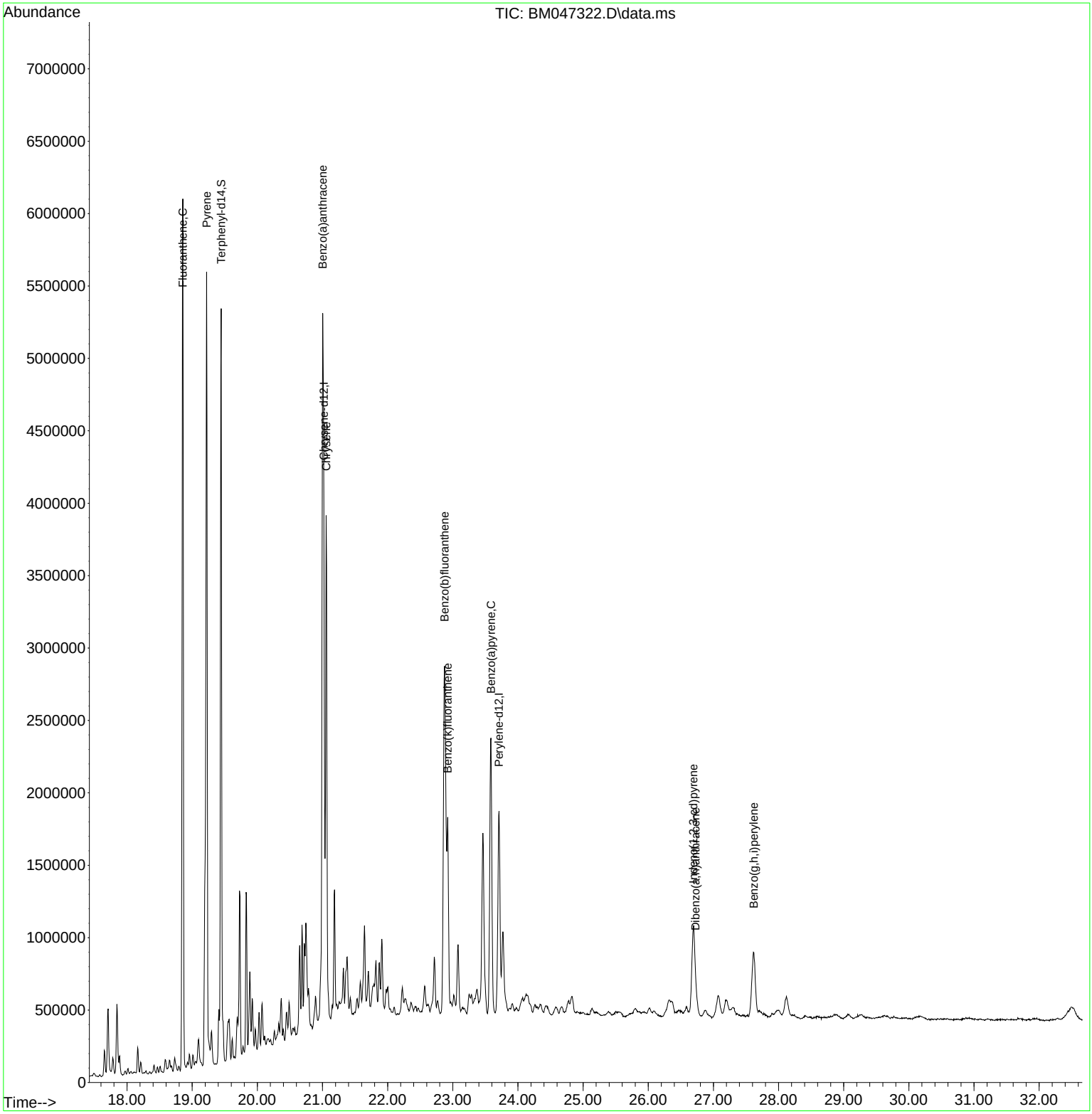
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047322.D
Acq On : 22 Aug 2024 18:29
Operator : RC/JU
Sample : P3671-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

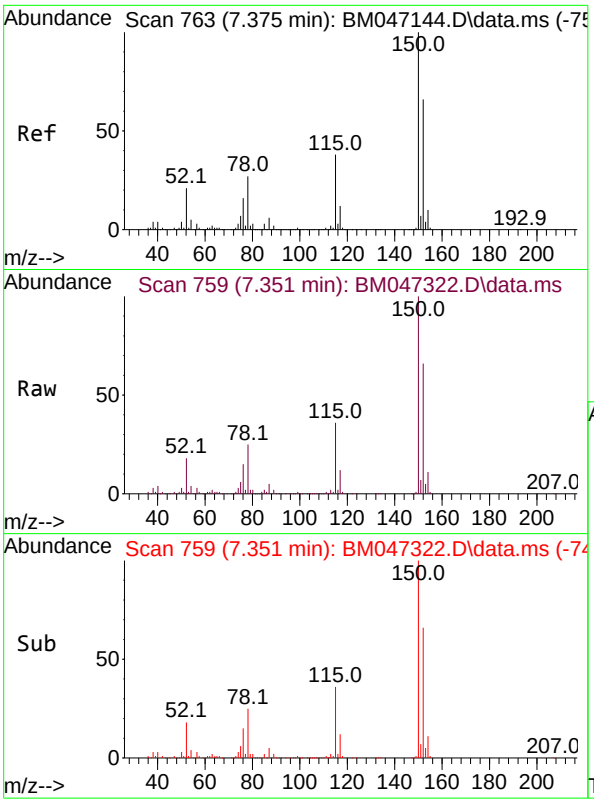
Quant Time: Aug 23 02:40:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

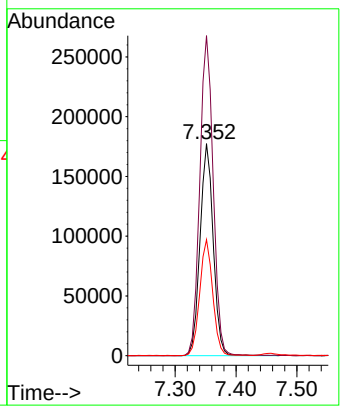




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 7
Delta R.T. -0.024 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:152 Resp: 26571

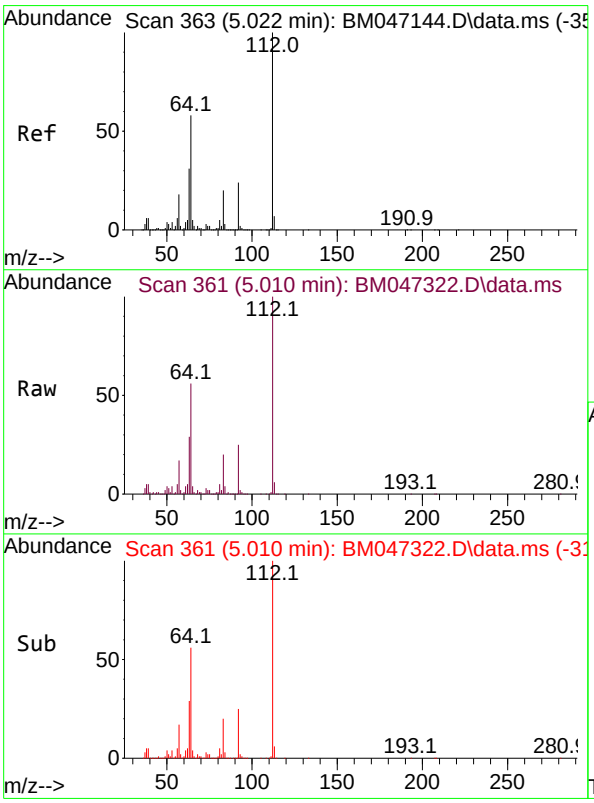
Ion	Ratio	Lower	Upper
152	100		
150	151.0	120.5	180.7
115	54.7	45.5	68.3



Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

Manual Integrations
APPROVED

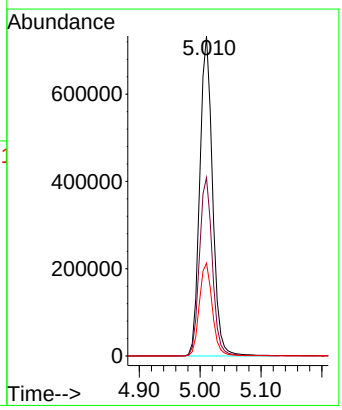
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

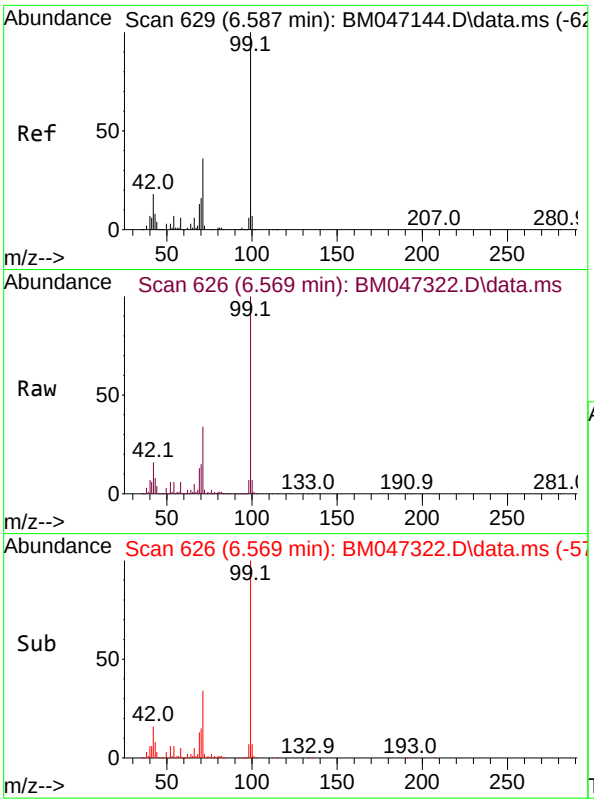


#5
2-Fluorophenol
Concen: 71.633 ng
RT: 5.010 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:112 Resp: 1065207

Ion	Ratio	Lower	Upper
112	100		
64	55.8	46.7	70.1
63	29.0	24.8	37.2

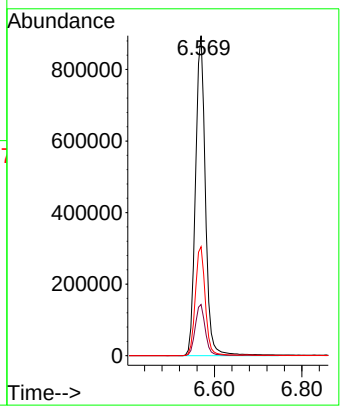




#7
Phenol-d6
Concen: 69.035 ng
RT: 6.569 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion: 99 Resp: 141454

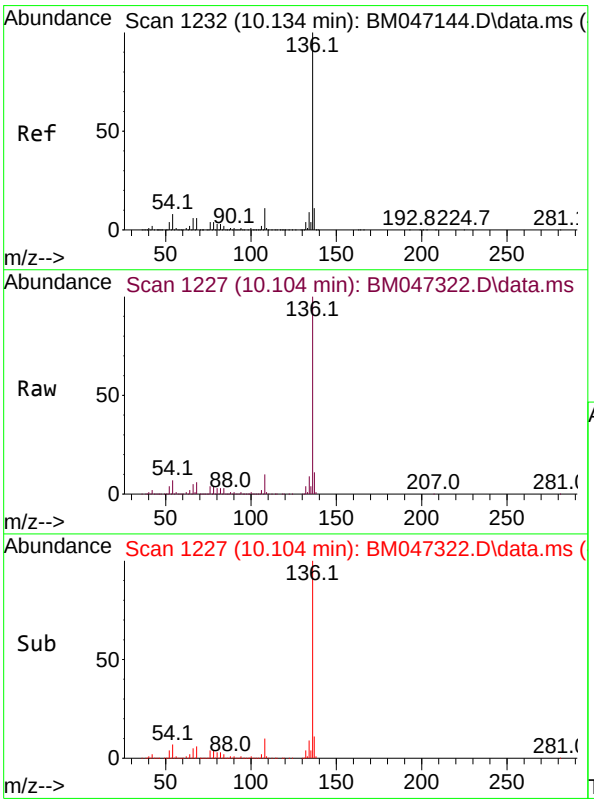
Ion	Ratio	Lower	Upper
99	100		
42	16.0	14.1	21.1
71	34.0	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

Manual Integrations
APPROVED

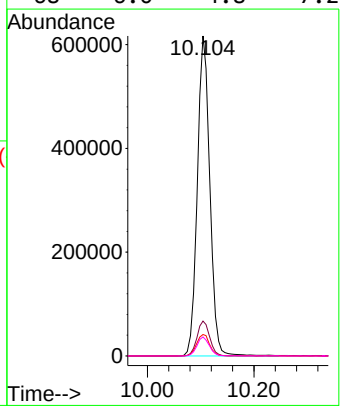
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

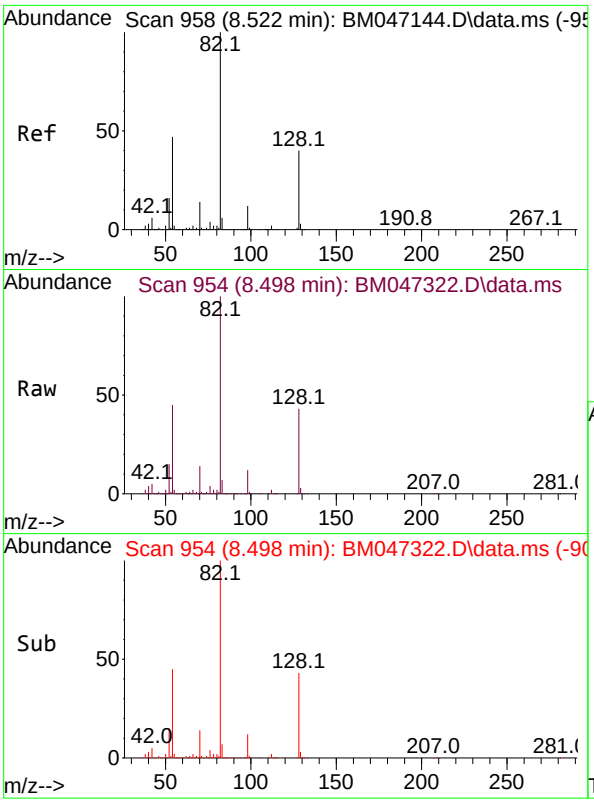


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. -0.029 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:136 Resp: 1004297

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.7	6.0	9.0
68	6.0	4.8	7.2

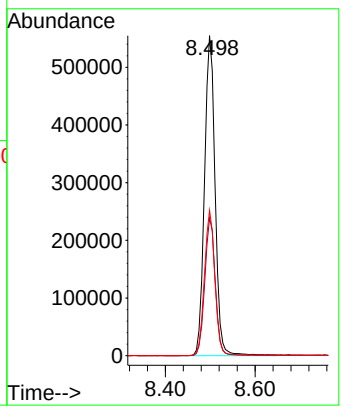




#23
Nitrobenzene-d5
Concen: 45.745 ng
RT: 8.498 min Scan# 9
Delta R.T. -0.024 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion: 82 Resp: 91238

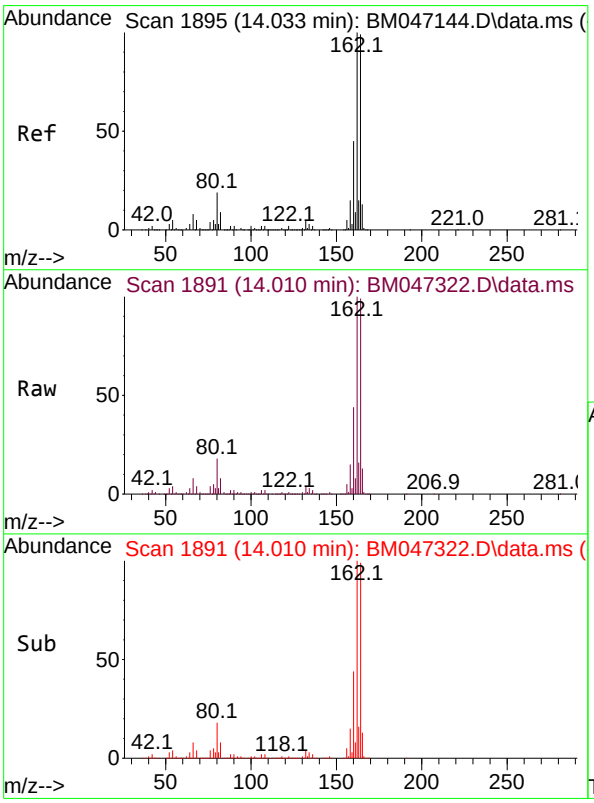
Ion	Ratio	Lower	Upper
82	100		
128	43.0	32.3	48.5
54	45.4	37.4	56.2



Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

Manual Integrations
APPROVED

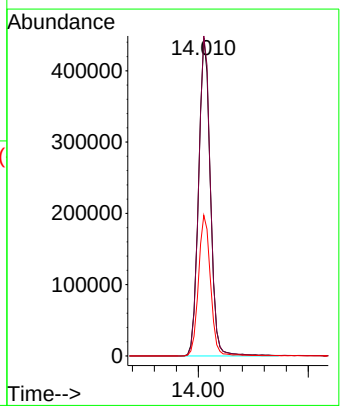
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

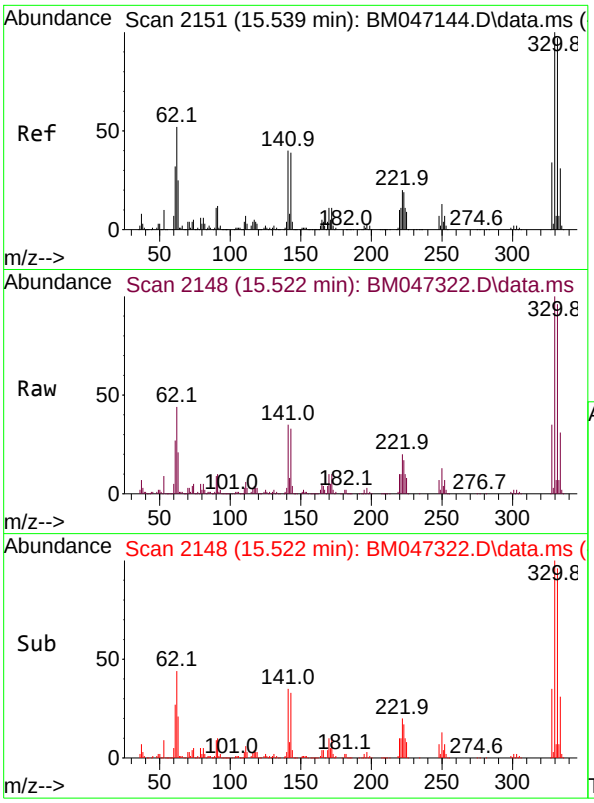


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.024 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:164 Resp: 664742

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.7	121.1
160	44.3	36.0	54.0





#42
2,4,6-Tribromophenol
Concen: 76.562 ng
RT: 15.522 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

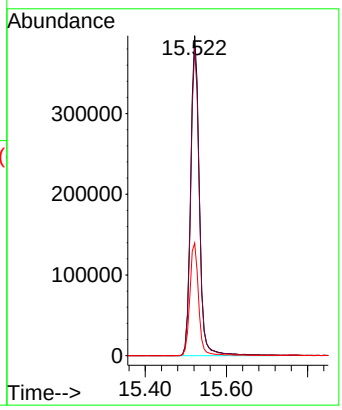
Tgt Ion:330 Resp: 59012

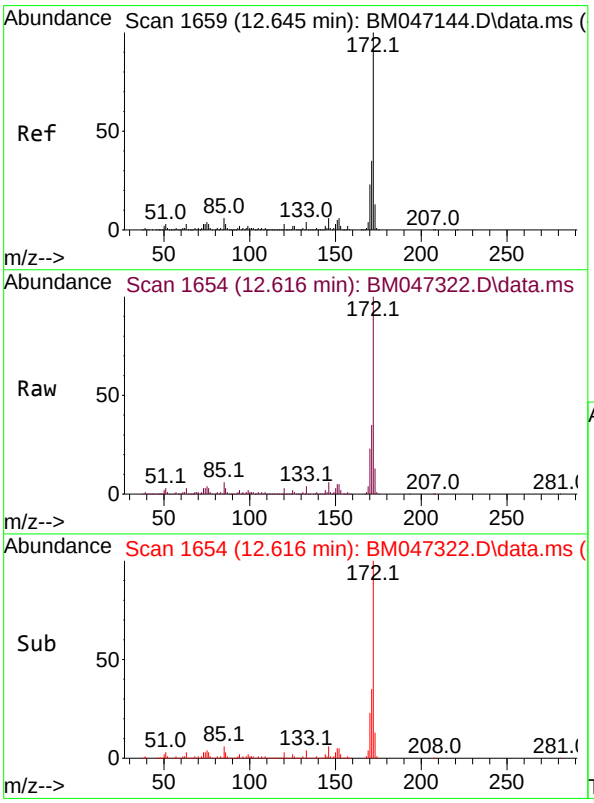
Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.4	116.2
141	35.3	31.6	47.4

Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

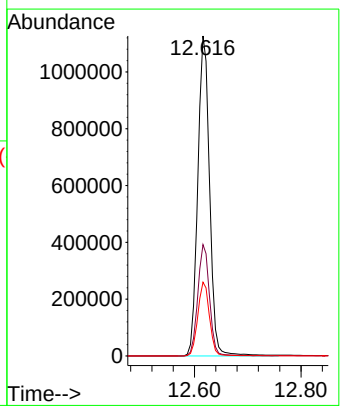


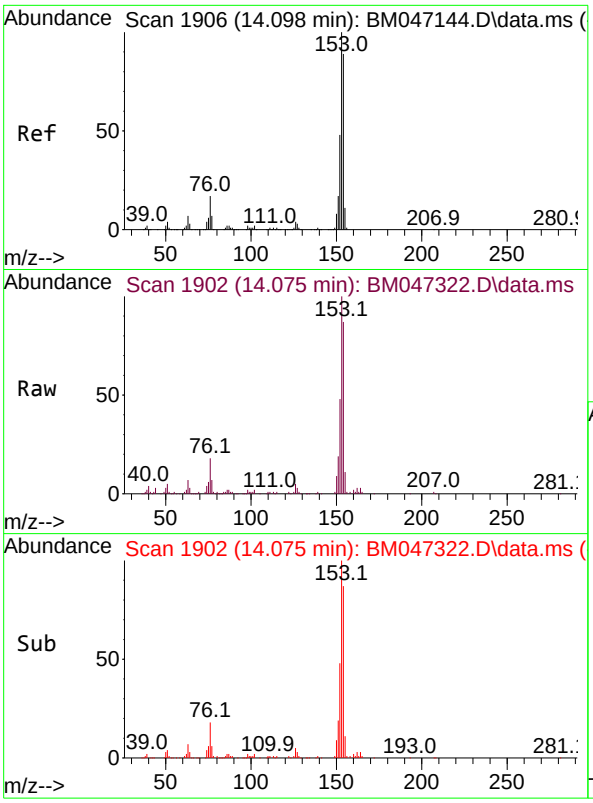


#45
2-Fluorobiphenyl
Concen: 40.267 ng
RT: 12.616 min Scan# 1654
Delta R.T. -0.029 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:172 Resp: 1735293

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.0	18.7	28.1

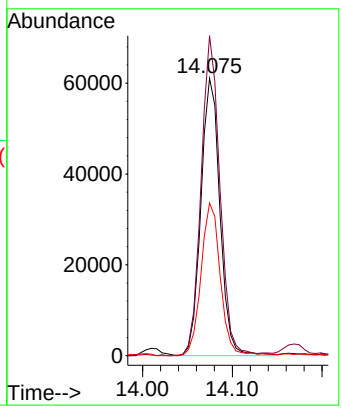




#52
Acenaphthene
Concen: 2.604 ng
RT: 14.075 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:154 Resp: 9006

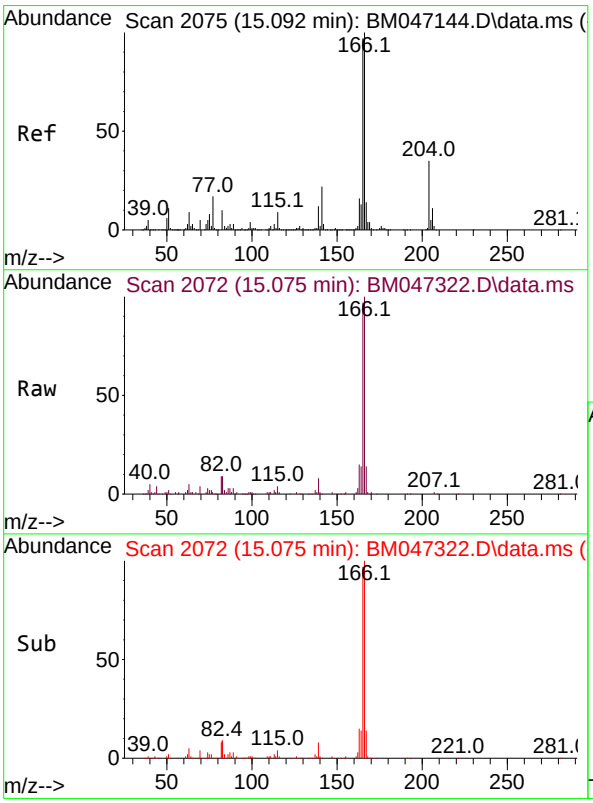
Ion	Ratio	Lower	Upper
154	100		
153	115.4	90.3	135.5
152	55.1	42.9	64.3



Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

Manual Integrations
APPROVED

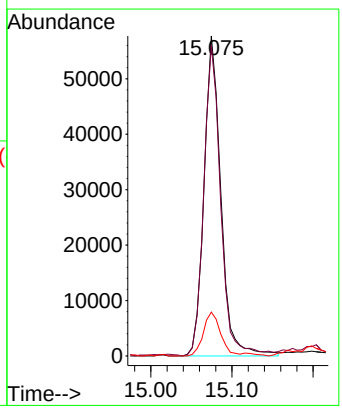
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

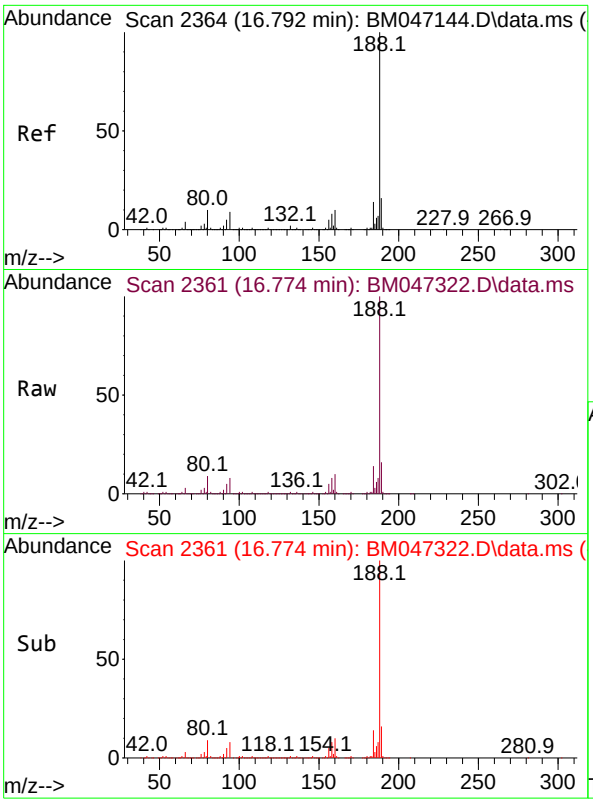


#58
Fluorene
Concen: 1.848 ng
RT: 15.075 min Scan# 2072
Delta R.T. -0.018 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:166 Resp: 83316

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.4	116.0
167	13.7	11.0	16.6

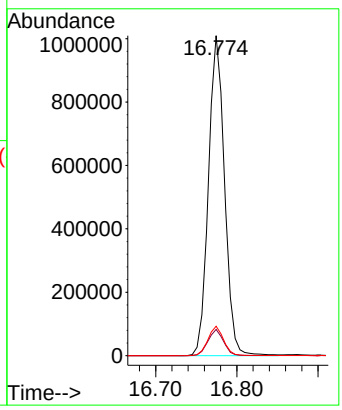




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.774 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:188 Resp: 139149

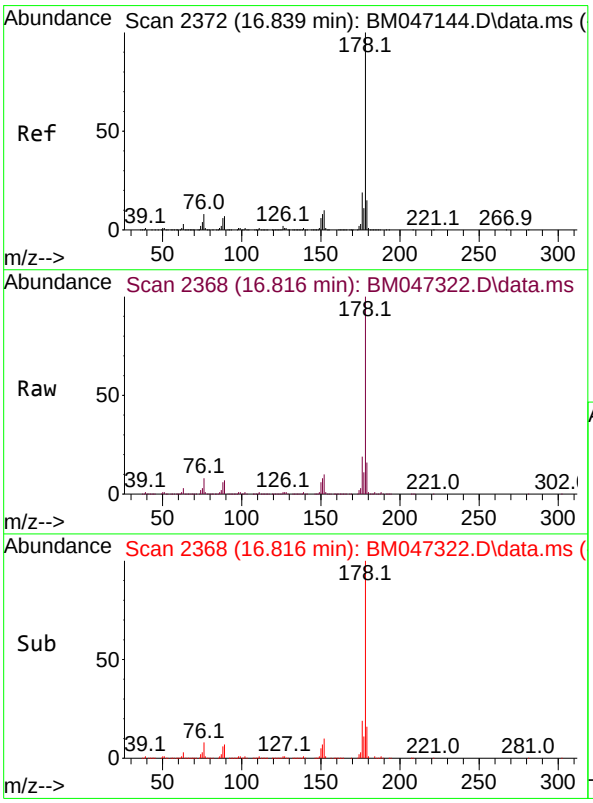
Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.0	10.6
80	9.2	8.0	12.0



Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

Manual Integrations
APPROVED

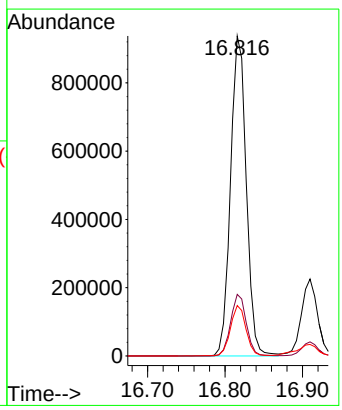
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

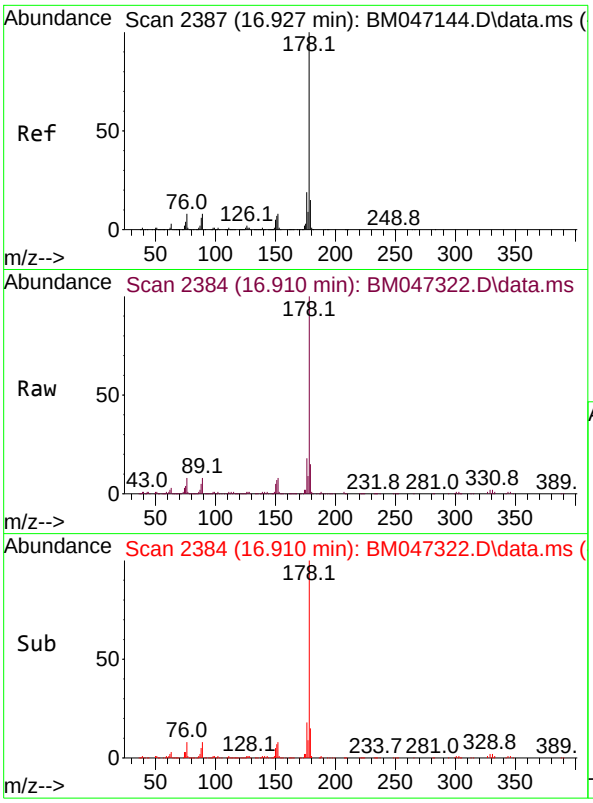


#71
Phenanthrene
Concen: 19.025 ng
RT: 16.816 min Scan# 2368
Delta R.T. -0.024 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:178 Resp: 1328548

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.8	12.4	18.6





#72
Anthracene
Concen: 4.685 ng
RT: 16.910 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

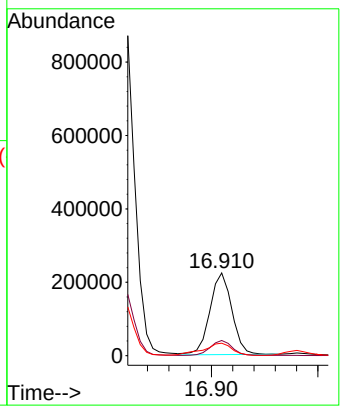
Tgt Ion:178 Resp: 31831

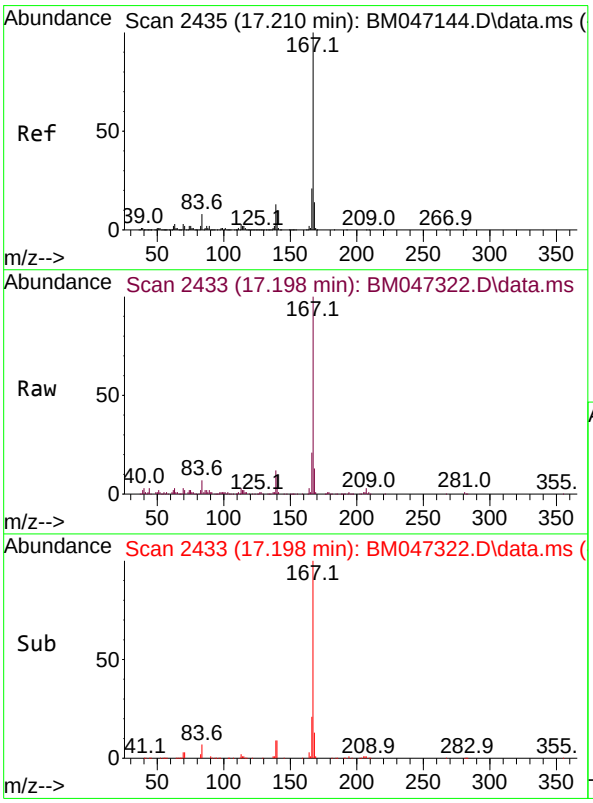
Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.1	12.4	18.6

Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

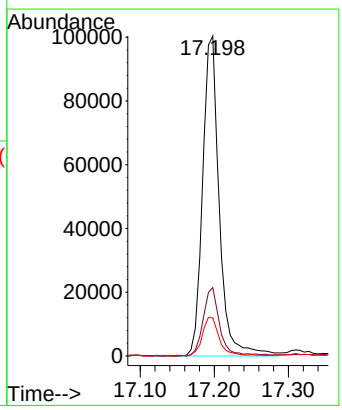


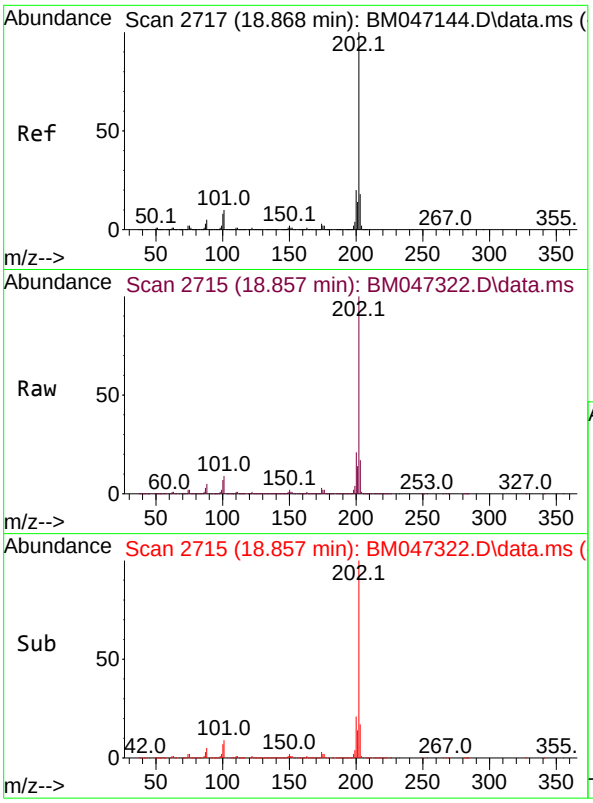


#73
Carbazole
Concen: 2.263 ng
RT: 17.198 min Scan# 2433
Delta R.T. -0.012 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:167 Resp: 156999

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	11.9	10.0	15.0





#75
Fluoranthene
Concen: 43.535 ng
RT: 18.857 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

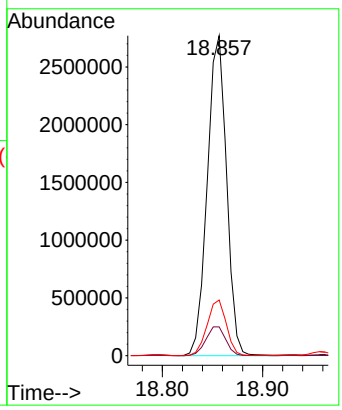
Tgt Ion:202 Resp: 369784

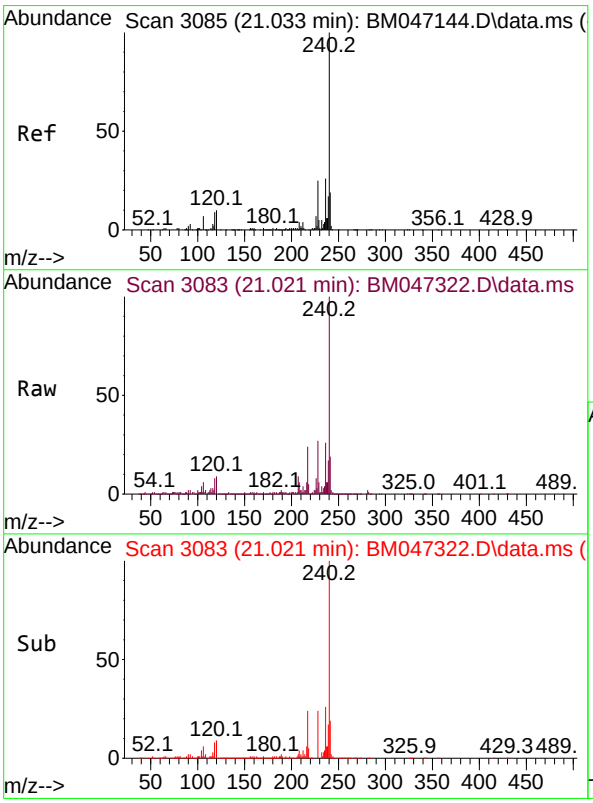
Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	30.2
203	17.4	0.0	37.6

Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

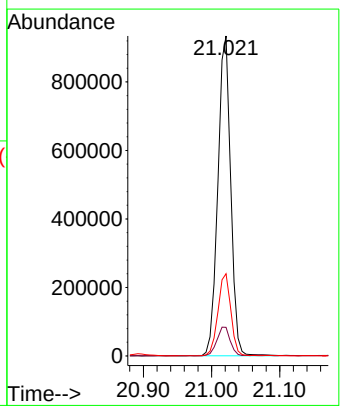


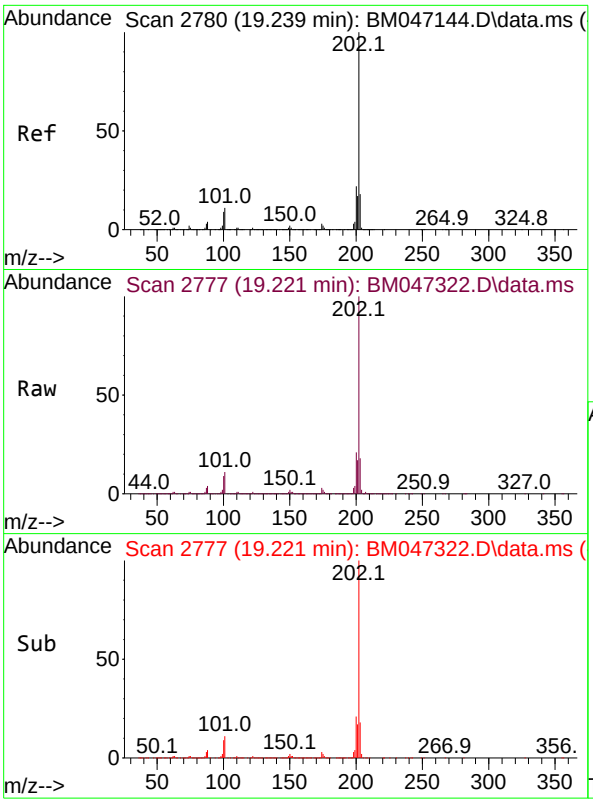


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. -0.012 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:240 Resp: 1222867

Ion	Ratio	Lower	Upper
240	100		
120	9.0	8.2	12.2
236	25.7	20.6	30.8

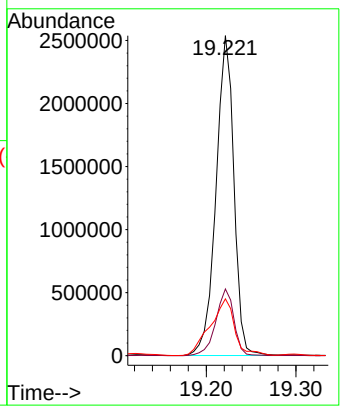




#78
Pyrene
Concen: 40.226 ng
RT: 19.221 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:202 Resp: 351234

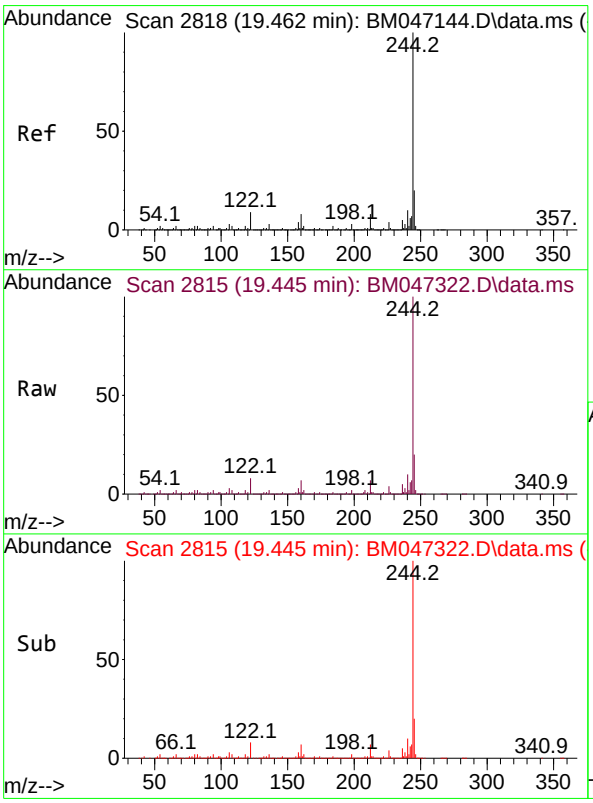
Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.2	25.8
203	17.7	14.2	21.2



Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

Manual Integrations
APPROVED

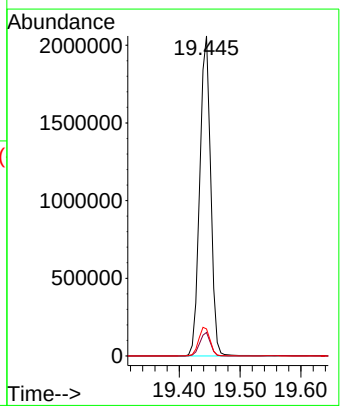
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

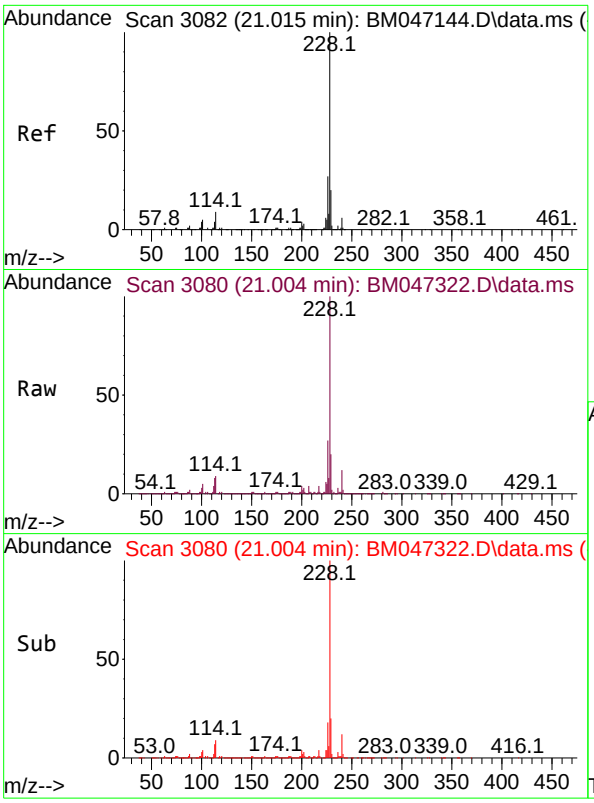


#79
Terphenyl-d14
Concen: 44.783 ng
RT: 19.445 min Scan# 2815
Delta R.T. -0.018 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:244 Resp: 2555748

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.4
122	8.5	7.1	10.7





#81
Benzo(a)anthracene
Concen: 32.047 ng
RT: 21.004 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

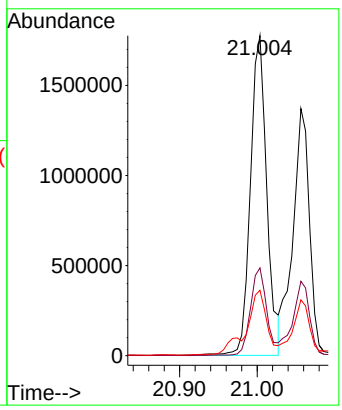
Tgt Ion:228 Resp: 260164

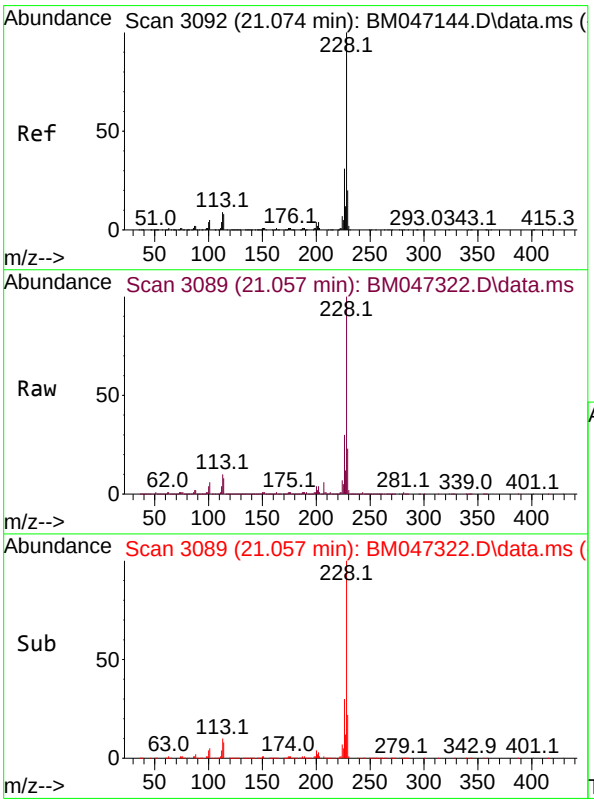
Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.8	32.6
229	20.4	15.8	23.8

Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

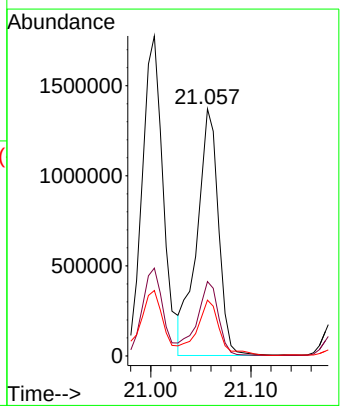


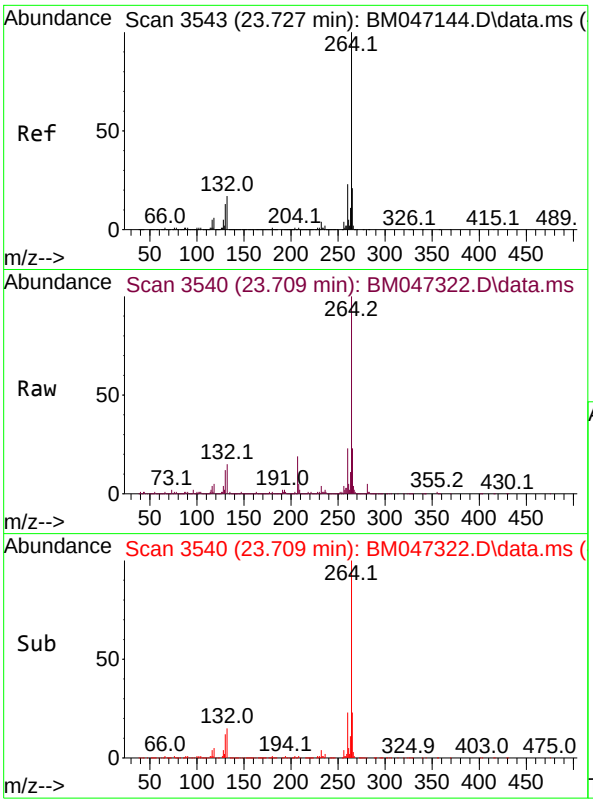


#83
Chrysene
Concen: 26.705 ng
RT: 21.057 min Scan# 3089
Delta R.T. -0.018 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:228 Resp: 2056904

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.4	36.6
229	22.6	15.7	23.5

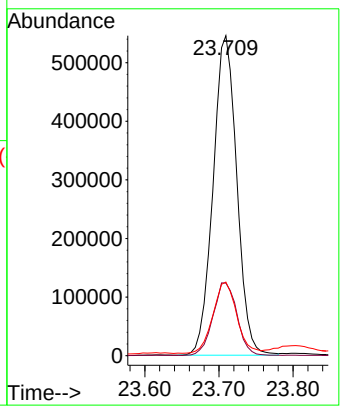




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.709 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:264 Resp: 121344

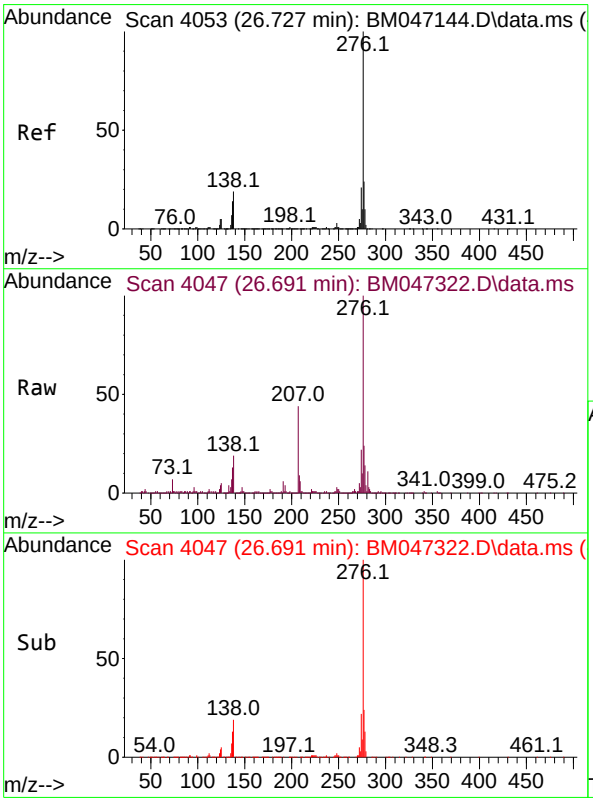
Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.5	27.7
265	23.0	17.3	25.9



Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

Manual Integrations
APPROVED

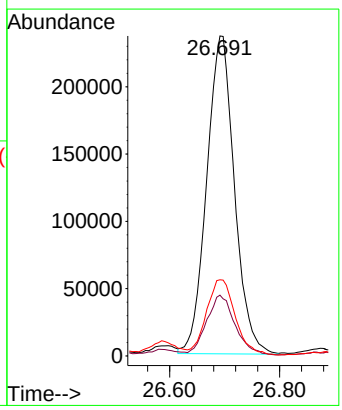
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

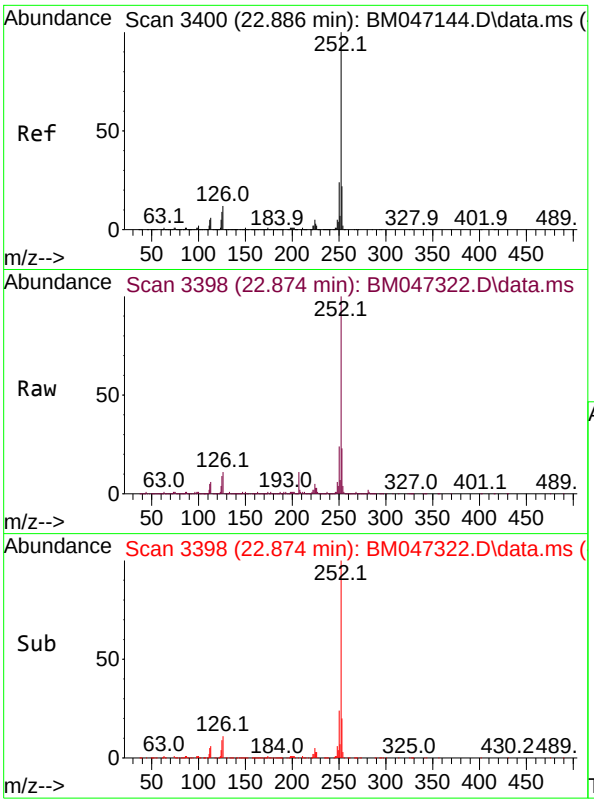


#87
Indeno(1,2,3-cd)pyrene
Concen: 10.577 ng
RT: 26.691 min Scan# 4047
Delta R.T. -0.035 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:276 Resp: 829574

Ion	Ratio	Lower	Upper
276	100		
138	19.1	19.4	29.0#
277	24.5	20.1	30.1

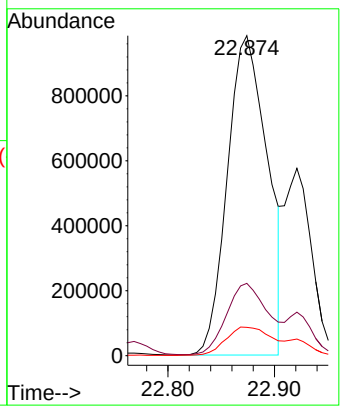




#88
Benzo(b)fluoranthene
Concen: 35.643 ng
RT: 22.874 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:252 Resp: 256850

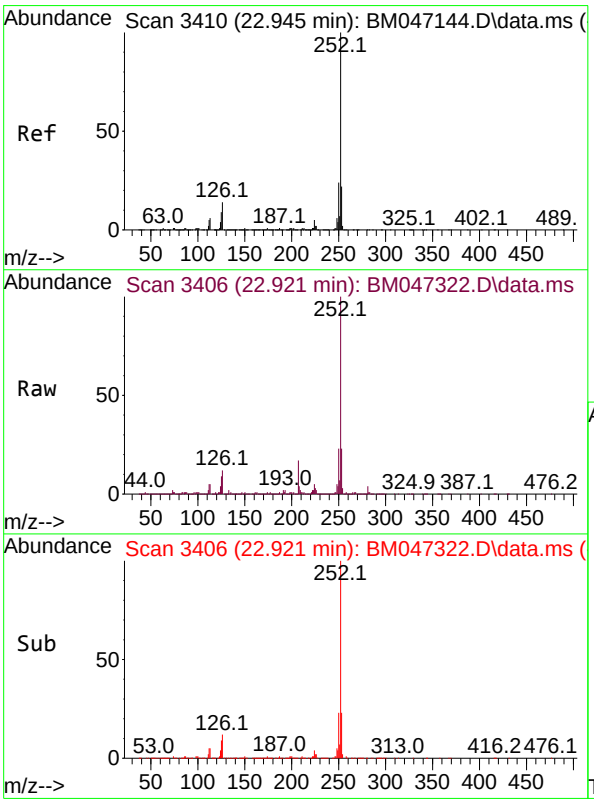
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	8.9	7.4	11.0



Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

Manual Integrations
APPROVED

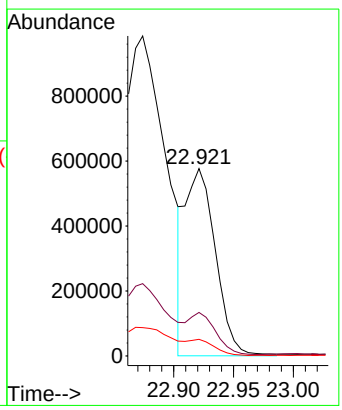
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

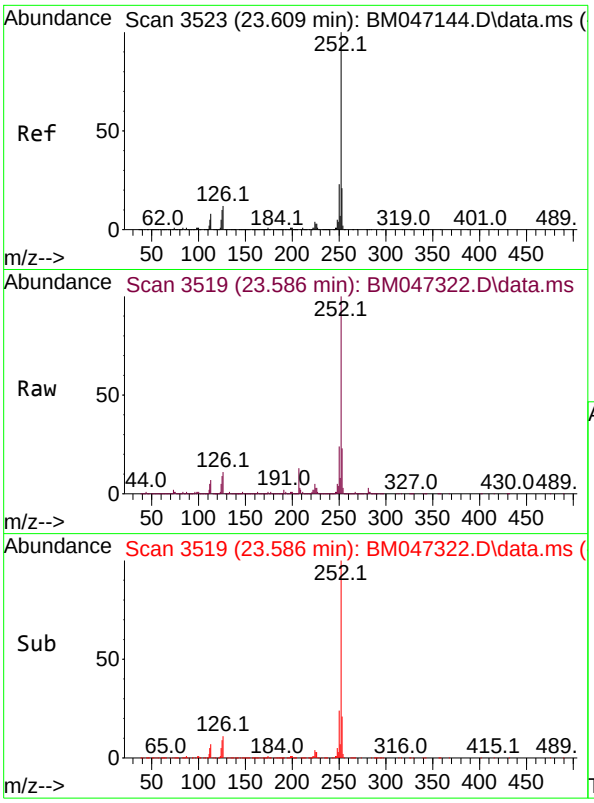


#89
Benzo(k)fluoranthene
Concen: 14.933 ng m
RT: 22.921 min Scan# 3406
Delta R.T. -0.024 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:252 Resp: 1016397

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	8.8	7.4	11.2

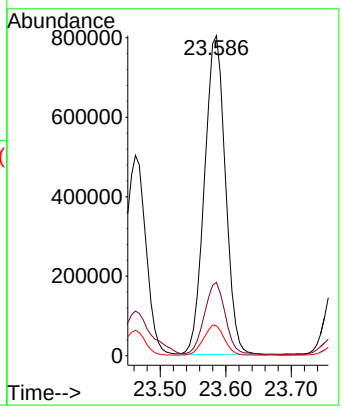




#90
Benzo(a)pyrene
Concen: 28.423 ng
RT: 23.586 min Scan# 3
Delta R.T. -0.024 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:252 Resp: 177431

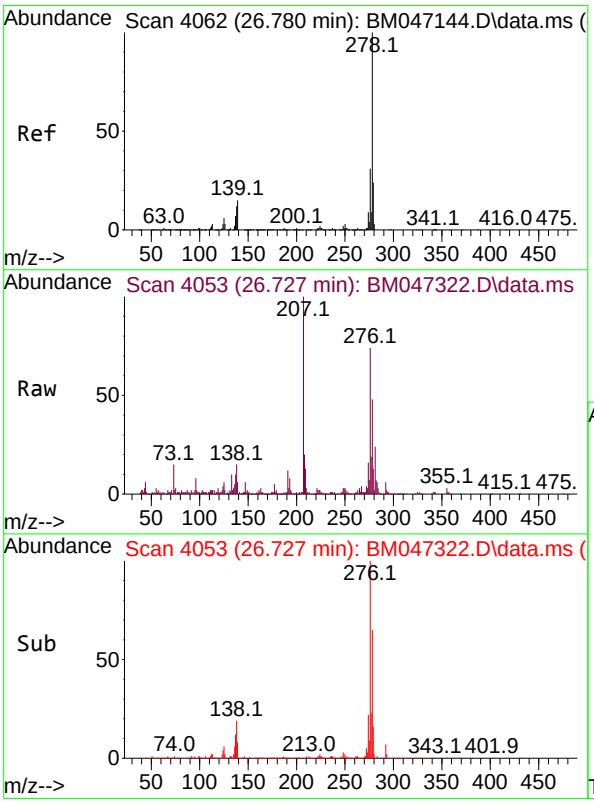
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	9.4	8.2	12.2



Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

Manual Integrations
APPROVED

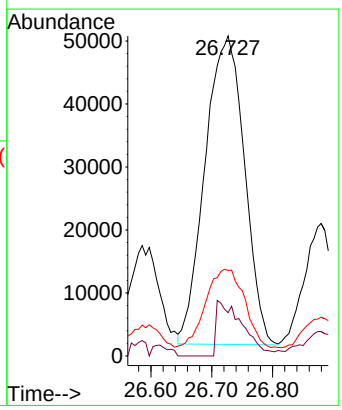
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

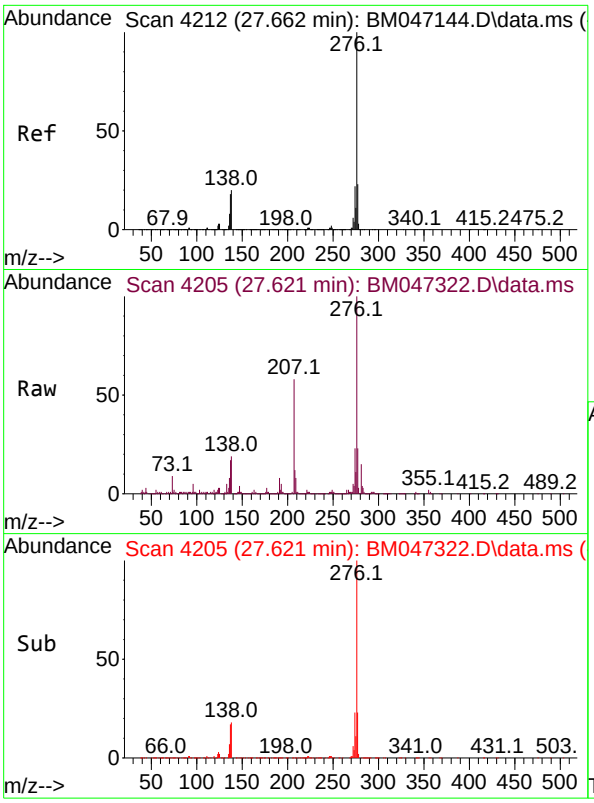


#91
Dibenzo(a,h)anthracene
Concen: 3.469 ng
RT: 26.727 min Scan# 4053
Delta R.T. -0.053 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:278 Resp: 220194

Ion	Ratio	Lower	Upper
278	100		
139	13.6	12.0	18.0
279	26.7	19.2	28.8

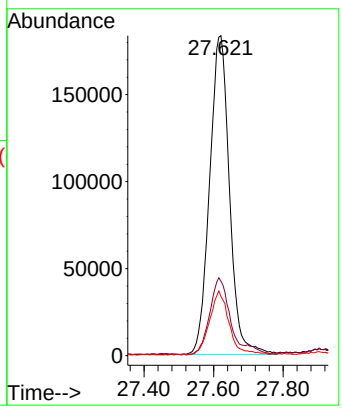




#92
Benzo(g,h,i)perylene
Concen: 11.005 ng
RT: 27.621 min Scan# 4
Delta R.T. -0.041 min
Lab File: BM047322.D
Acq: 22 Aug 2024 18:29

Tgt Ion:276 Resp: 72524

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.8	28.2
138	18.6	16.2	24.4



Instrument :
BNA_M
ClientSampleId :
S-905-J-SO-0.5-1.0-081924

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-928-K1-SO-0-0.5-081924	SDG No.:	P3671
Lab Sample ID:	P3671-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	48
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047315.D	1	08/21/24 08:50	08/22/24 13:51	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	170	U	170	350	ug/Kg
100-52-7	Benzaldehyde	380	U	380	690	ug/Kg
95-48-7	2-Methylphenol	170	U	170	350	ug/Kg
65794-96-9	3+4-Methylphenols	170	U	170	690	ug/Kg
67-72-1	Hexachloroethane	170	U	170	350	ug/Kg
98-95-3	Nitrobenzene	190	U	190	350	ug/Kg
91-20-3	Naphthalene	170	U	170	350	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	170	350	ug/Kg
91-57-6	2-Methylnaphthalene	170	U	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	150	350	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	150	350	ug/Kg
208-96-8	Acenaphthylene	180	U	180	350	ug/Kg
83-32-9	Acenaphthene	170	U	170	350	ug/Kg
132-64-9	Dibenzofuran	180	U	180	350	ug/Kg
121-14-2	2,4-Dinitrotoluene	180	U	180	350	ug/Kg
86-73-7	Fluorene	180	U	180	350	ug/Kg
118-74-1	Hexachlorobenzene	180	U	180	350	ug/Kg
87-86-5	Pentachlorophenol	160	U	160	690	ug/Kg
85-01-8	Phenanthrene	170	U	170	350	ug/Kg
120-12-7	Anthracene	180	U	180	350	ug/Kg
86-74-8	Carbazole	170	U	170	350	ug/Kg
84-74-2	Di-n-butylphthalate	180	U	180	350	ug/Kg
206-44-0	Fluoranthene	170	U	170	350	ug/Kg
129-00-0	Pyrene	170	U	170	350	ug/Kg
56-55-3	Benzo(a)anthracene	170	U	170	350	ug/Kg
218-01-9	Chrysene	170	U	170	350	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	190	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	U	170	350	ug/Kg
207-08-9	Benzo(k)fluoranthene	170	U	170	350	ug/Kg

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-928-K1-SO-0-0.5-081924	SDG No.:	P3671
Lab Sample ID:	P3671-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	48
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047315.D	1	08/21/24 08:50	08/22/24 13:51	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
50-32-8	Benzo(a)pyrene	190	U	190	350	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	160	350	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	170	350	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	U	170	350	ug/Kg
123-91-1	1,4-Dioxane	230	U	230	350	ug/Kg
90-12-0	1-Methylnaphthalene	170	U	170	350	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	61.8		30 (18) - 130 (112)	41%	SPK: 150
13127-88-3	Phenol-d6	60.0		30 (15) - 130 (107)	40%	SPK: 150
4165-60-0	Nitrobenzene-d5	42.1		30 (18) - 130 (107)	42%	SPK: 100
321-60-8	2-Fluorobiphenyl	31.4		30 (20) - 130 (109)	31%	SPK: 100
118-79-6	2,4,6-Tribromophenol	59.6		30 (10) - 130 (116)	40%	SPK: 150
1718-51-0	Terphenyl-d14	33.3		30 (10) - 130 (105)	33%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	278000	7.351			
1146-65-2	Naphthalene-d8	1050000	10.104			
15067-26-2	Acenaphthene-d10	702000	14.01			
1517-22-2	Phenanthrene-d10	1490000	16.774			
1719-03-5	Chrysene-d12	1320000	21.015			
1520-96-3	Perylene-d12	1290000	23.709			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **BM047315.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047315.D
Acq On : 22 Aug 2024 13:51
Operator : RC/JU
Sample : P3671-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0-0.5-081924

Quant Time: Aug 22 14:31:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

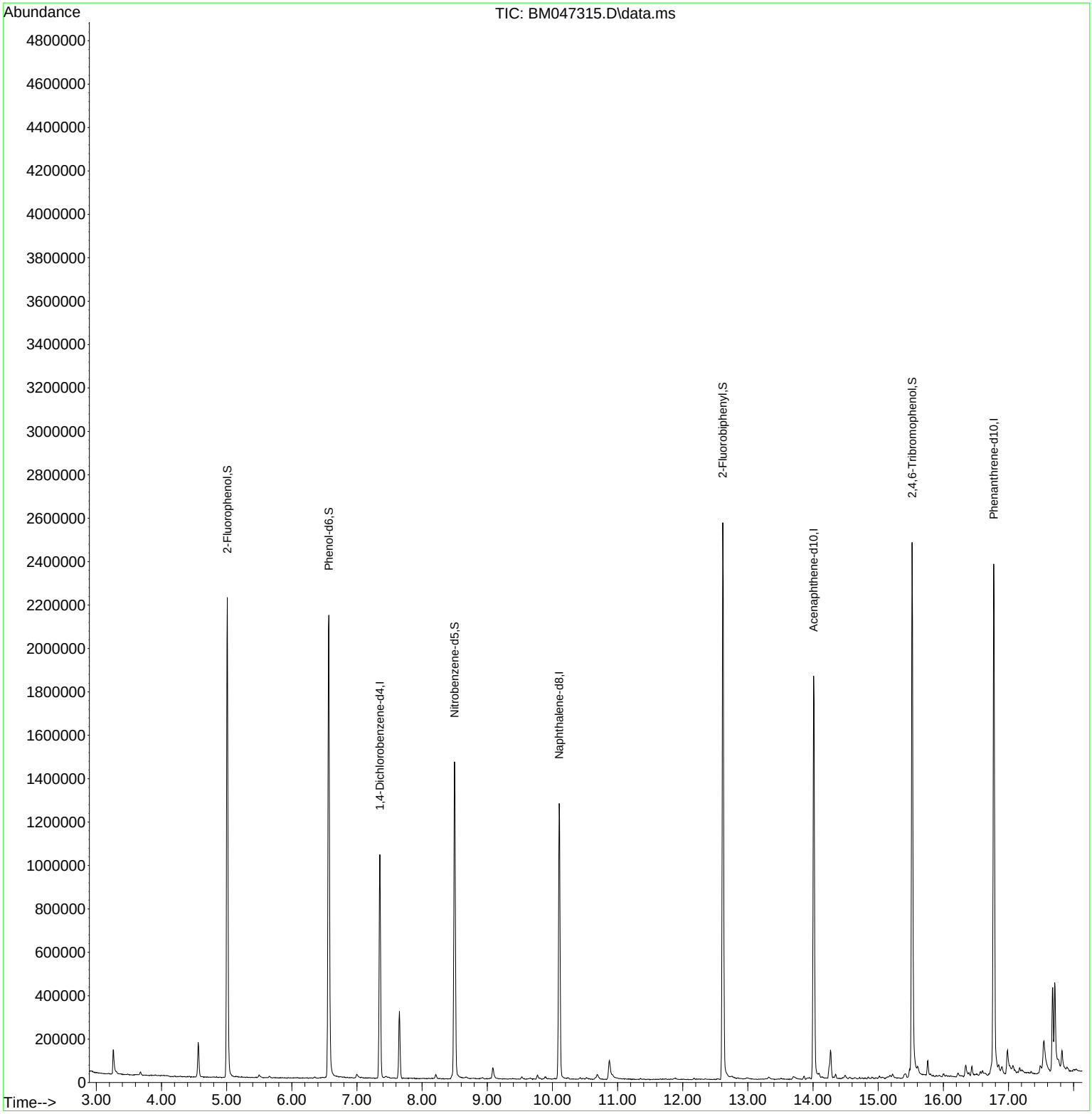
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	278437	20.000	ng	-0.02
21) Naphthalene-d8	10.104	136	1046347	20.000	ng	-0.03
39) Acenaphthene-d10	14.010	164	702300	20.000	ng	-0.02
64) Phenanthrene-d10	16.774	188	1490855	20.000	ng	-0.02
76) Chrysene-d12	21.015	240	1318134	20.000	ng	-0.02
86) Perylene-d12	23.709	264	1285509	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	963125	61.808	ng	-0.01
7) Phenol-d6	6.569	99	1287940	59.984	ng	-0.02
23) Nitrobenzene-d5	8.498	82	875420	42.128	ng	-0.02
42) 2,4,6-Tribromophenol	15.521	330	485341	59.600	ng	-0.02
45) 2-Fluorobiphenyl	12.616	172	1429013	31.387	ng	-0.03
79) Terphenyl-d14	19.445	244	2046612	33.270	ng	-0.02
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047315.D
Acq On : 22 Aug 2024 13:51
Operator : RC/JU
Sample : P3671-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0-0.5-081924

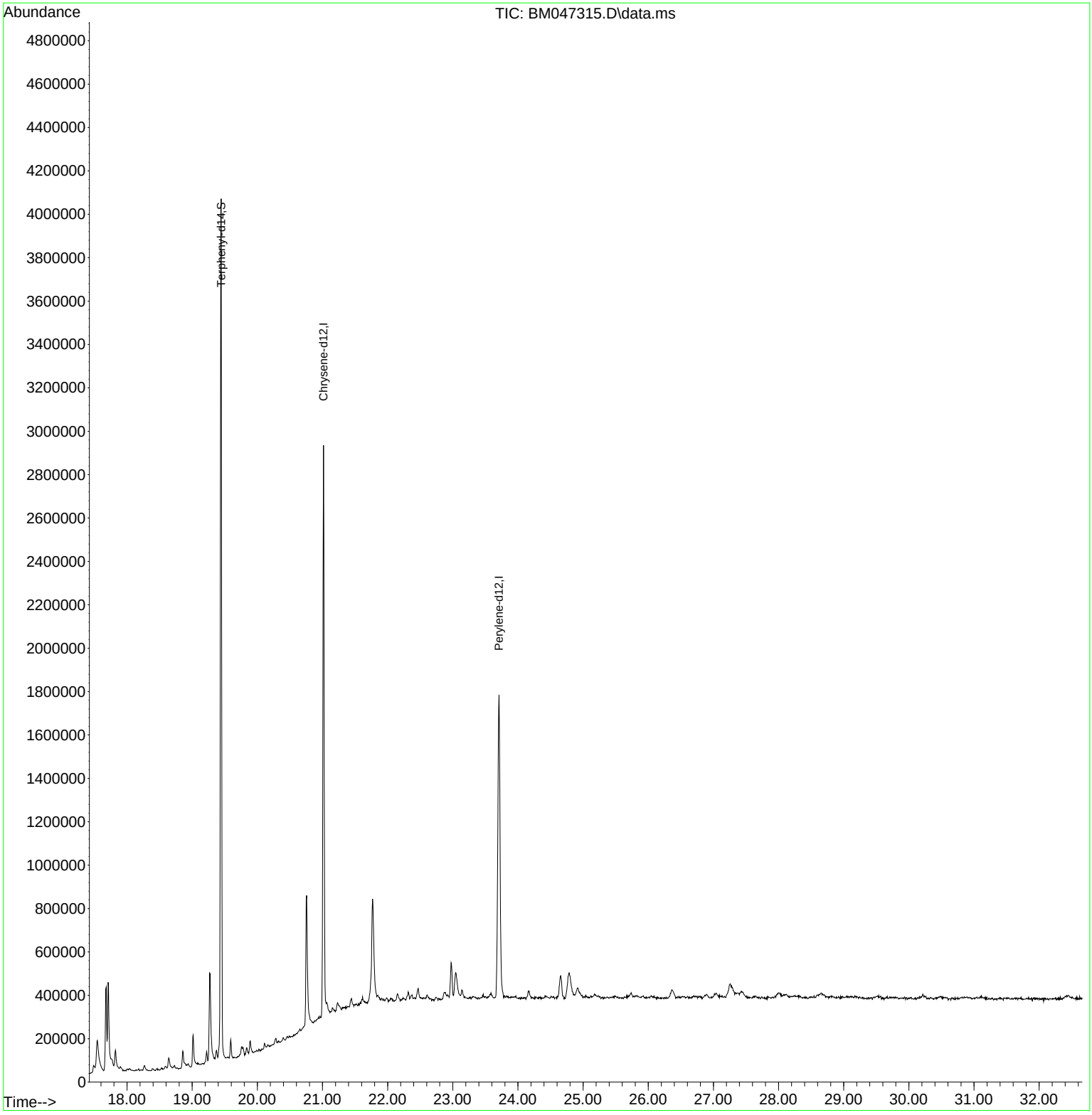
Quant Time: Aug 22 14:31:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

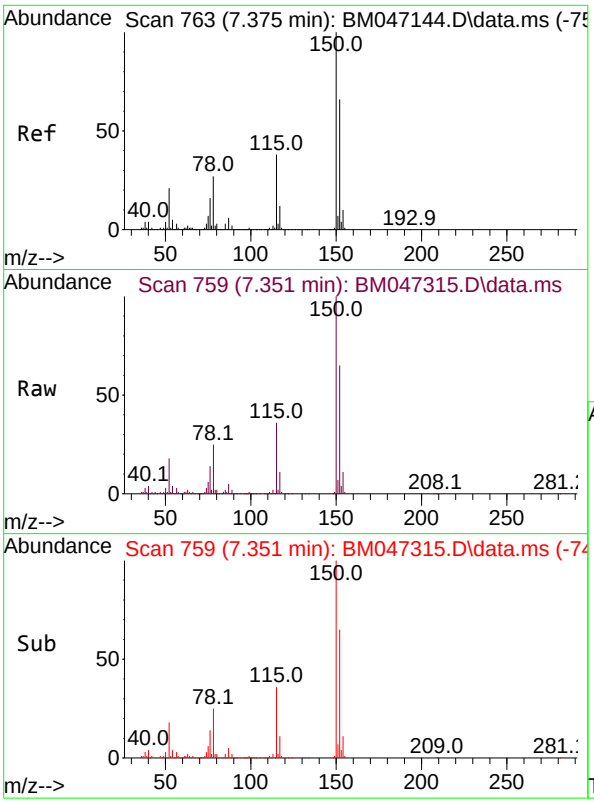


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047315.D
Acq On : 22 Aug 2024 13:51
Operator : RC/JU
Sample : P3671-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0-0.5-081924

Quant Time: Aug 22 14:31:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration



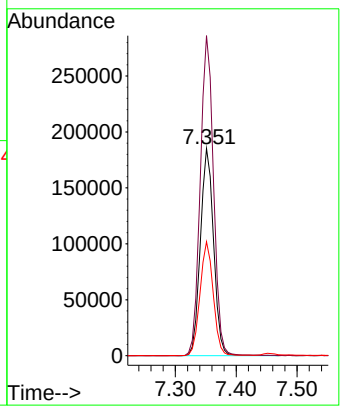


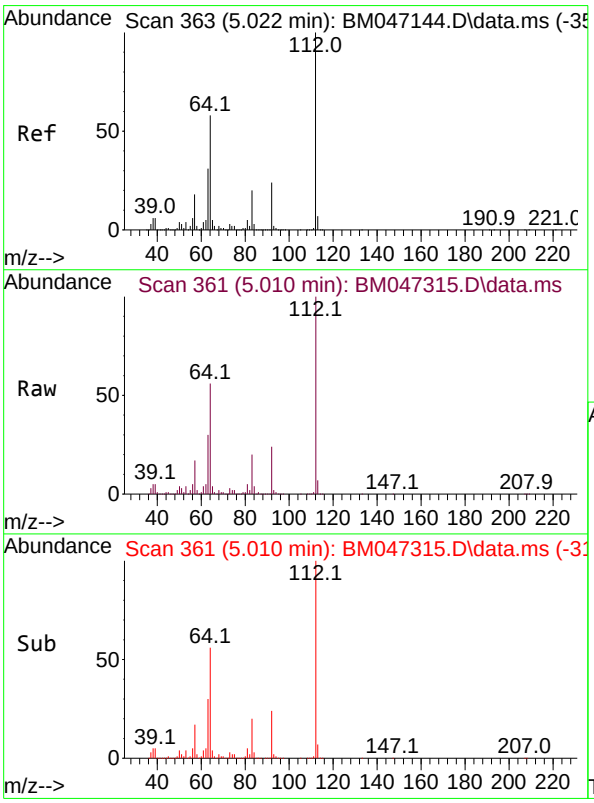
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 7
Delta R.T. -0.024 min
Lab File: BM047315.D
Acq: 22 Aug 2024 13:51

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0-0.5-081924

Tgt Ion:152 Resp: 278437

Ion	Ratio	Lower	Upper
152	100		
150	154.5	120.5	180.7
115	55.0	45.5	68.3

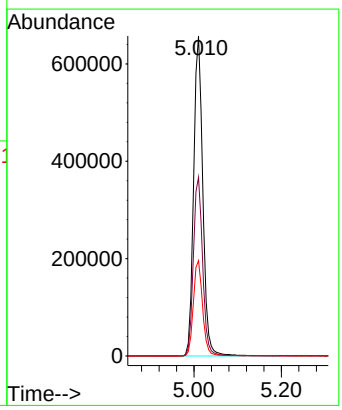


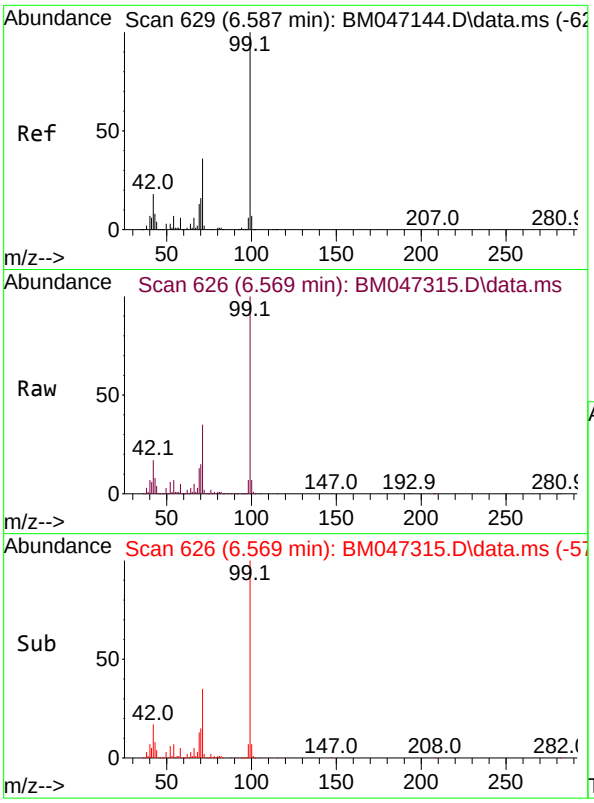


#5
2-Fluorophenol
Concen: 61.808 ng
RT: 5.010 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047315.D
Acq: 22 Aug 2024 13:51

Tgt Ion:112 Resp: 963125

Ion	Ratio	Lower	Upper
112	100		
64	55.9	46.7	70.1
63	29.8	24.8	37.2



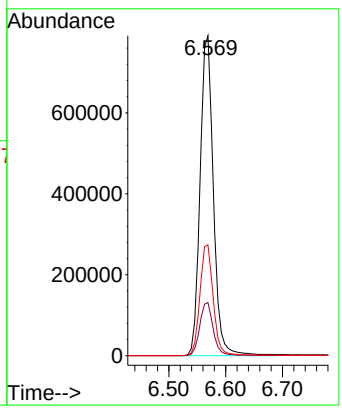


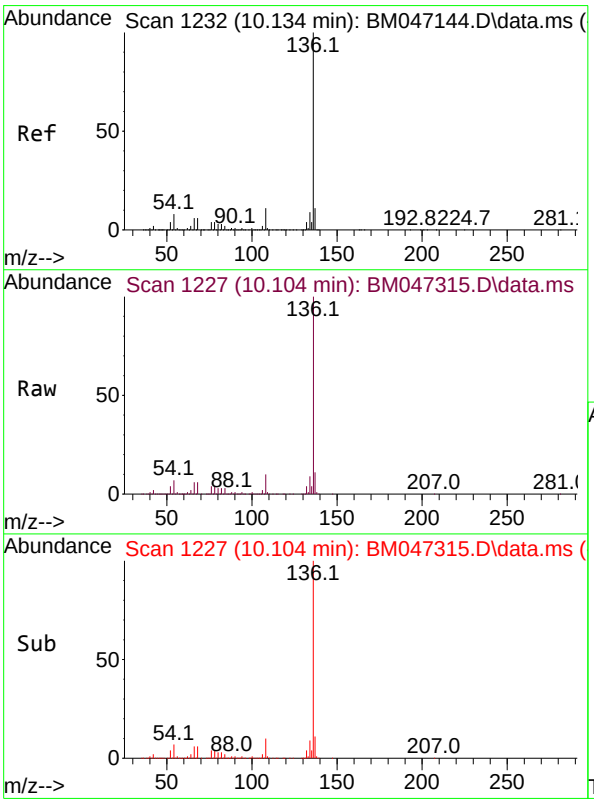
#7
Phenol-d6
Concen: 59.984 ng
RT: 6.569 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM047315.D
Acq: 22 Aug 2024 13:51

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0-0.5-081924

Tgt Ion: 99 Resp: 1287940

Ion	Ratio	Lower	Upper
99	100		
42	16.6	14.1	21.1
71	34.6	28.5	42.7

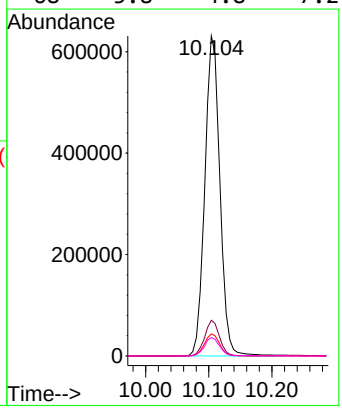


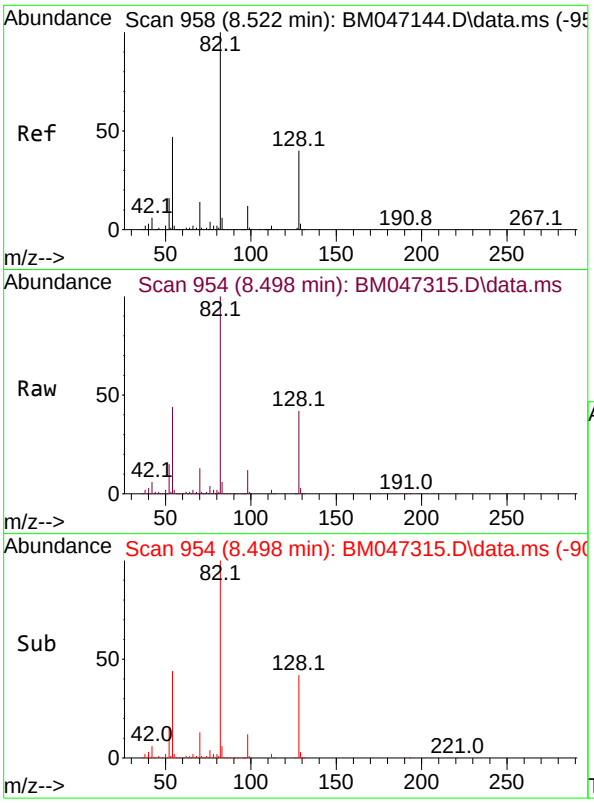


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. -0.030 min
Lab File: BM047315.D
Acq: 22 Aug 2024 13:51

Tgt Ion:136 Resp: 1046347

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.9	6.0	9.0
68	5.8	4.8	7.2



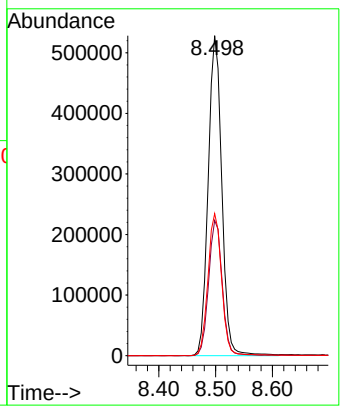


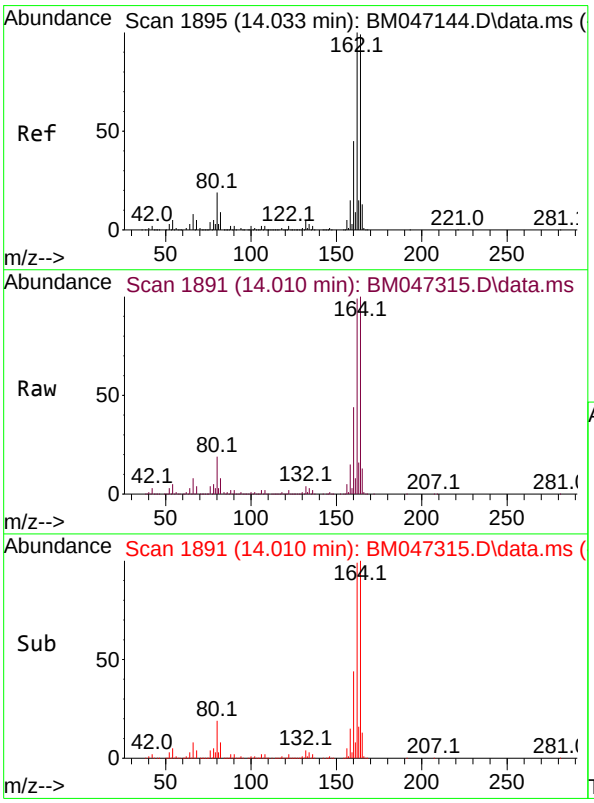
#23
Nitrobenzene-d5
Concen: 42.128 ng
RT: 8.498 min Scan# 9
Delta R.T. -0.024 min
Lab File: BM047315.D
Acq: 22 Aug 2024 13:51

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0-0.5-081924

Tgt Ion: 82 Resp: 875420

Ion	Ratio	Lower	Upper
82	100		
128	42.2	32.3	48.5
54	44.4	37.4	56.2

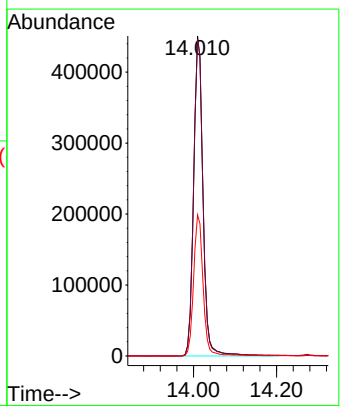


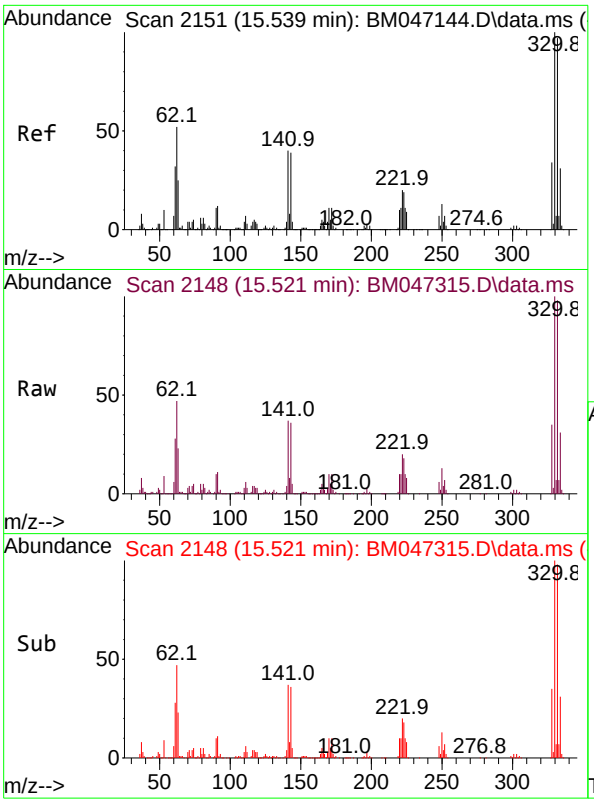


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.024 min
Lab File: BM047315.D
Acq: 22 Aug 2024 13:51

Tgt Ion:164 Resp: 702300

Ion	Ratio	Lower	Upper
164	100		
162	99.0	80.7	121.1
160	44.1	36.0	54.0



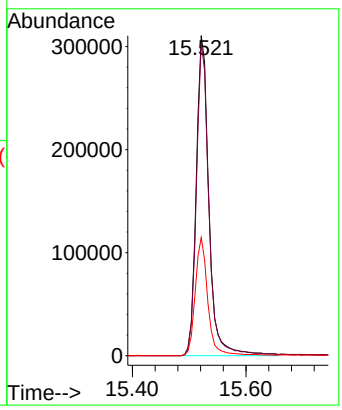


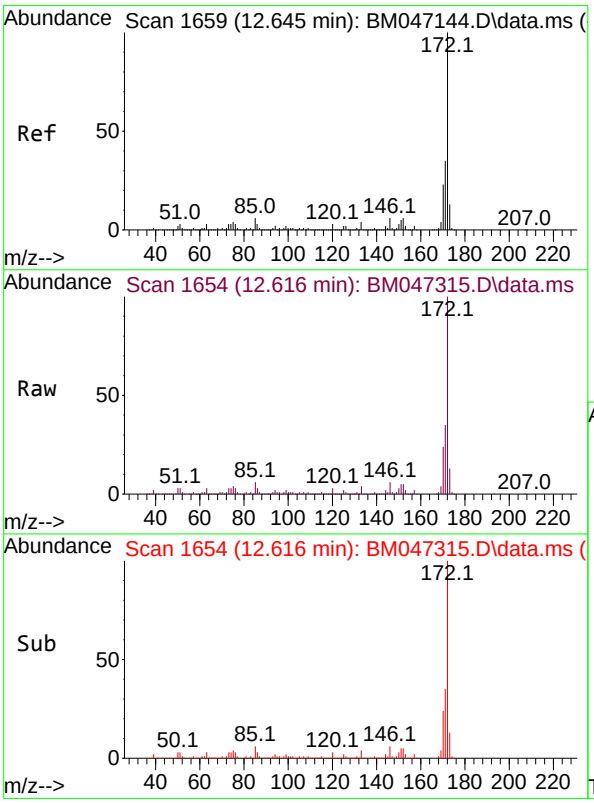
#42
2,4,6-Tribromophenol
Concen: 59.600 ng
RT: 15.521 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM047315.D
Acq: 22 Aug 2024 13:51

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0-0.5-081924

Tgt Ion:330 Resp: 485341

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.4	116.2
141	36.7	31.6	47.4

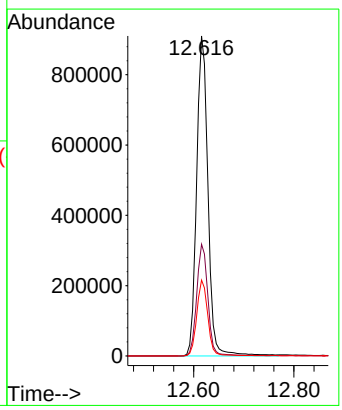


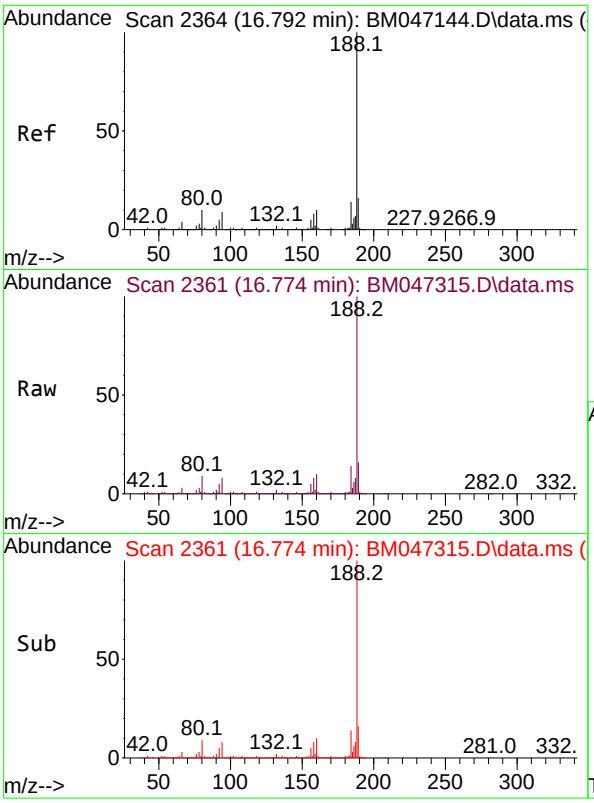


#45
2-Fluorobiphenyl
Concen: 31.387 ng
RT: 12.616 min Scan# 1654
Delta R.T. -0.029 min
Lab File: BM047315.D
Acq: 22 Aug 2024 13:51

Tgt Ion:172 Resp: 1429013

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.7	18.7	28.1



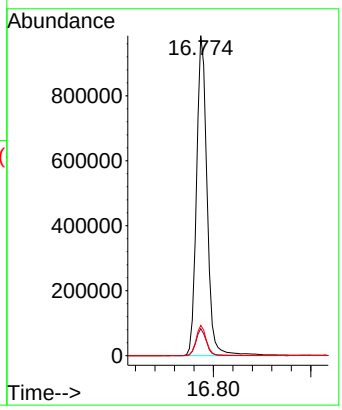


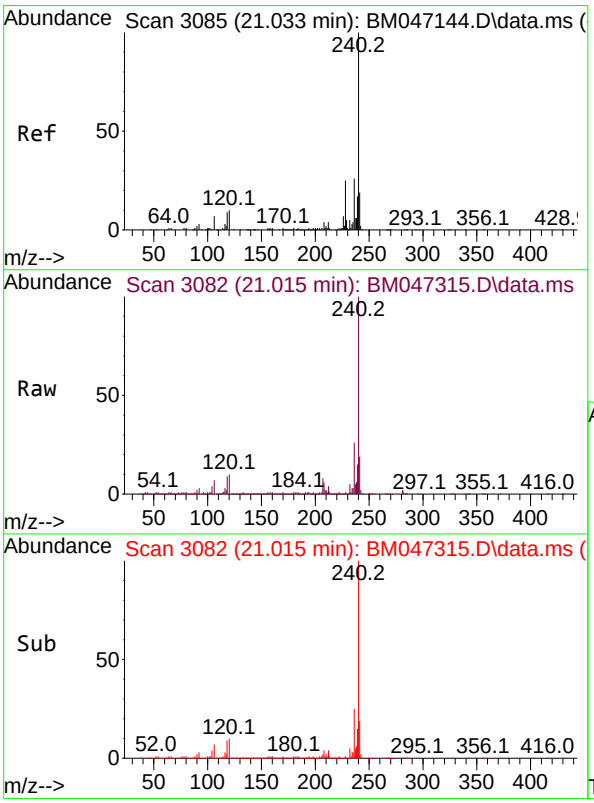
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.774 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047315.D
Acq: 22 Aug 2024 13:51

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0-0.5-081924

Tgt Ion:188 Resp: 1490855

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.0	10.6
80	9.5	8.0	12.0

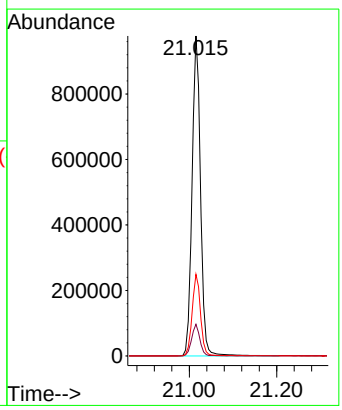


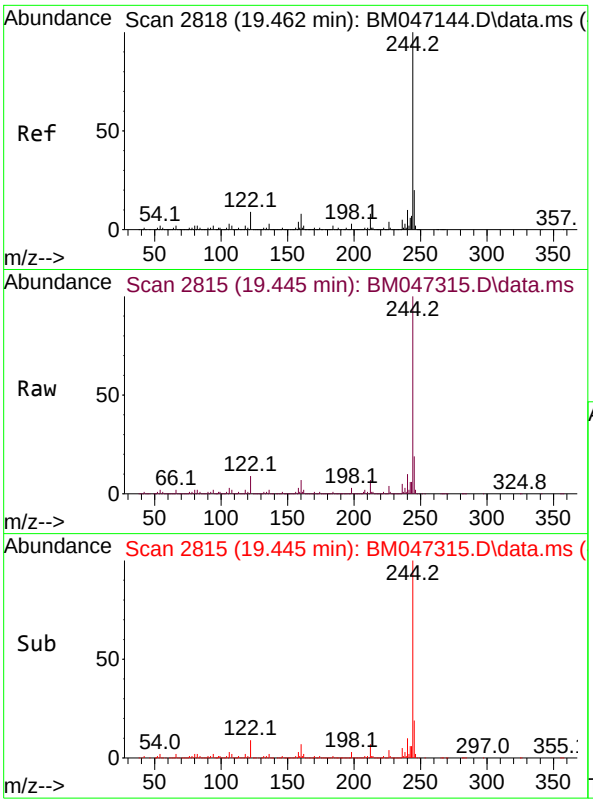


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.015 min Scan# 3082
Delta R.T. -0.018 min
Lab File: BM047315.D
Acq: 22 Aug 2024 13:51

Tgt Ion:240 Resp: 1318134

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.2	12.2
236	25.5	20.6	30.8



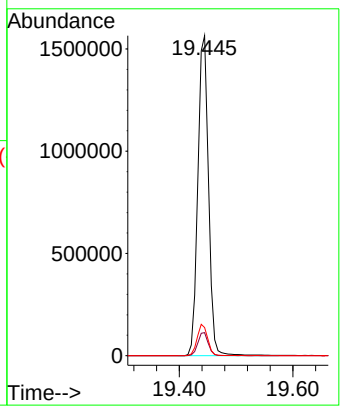


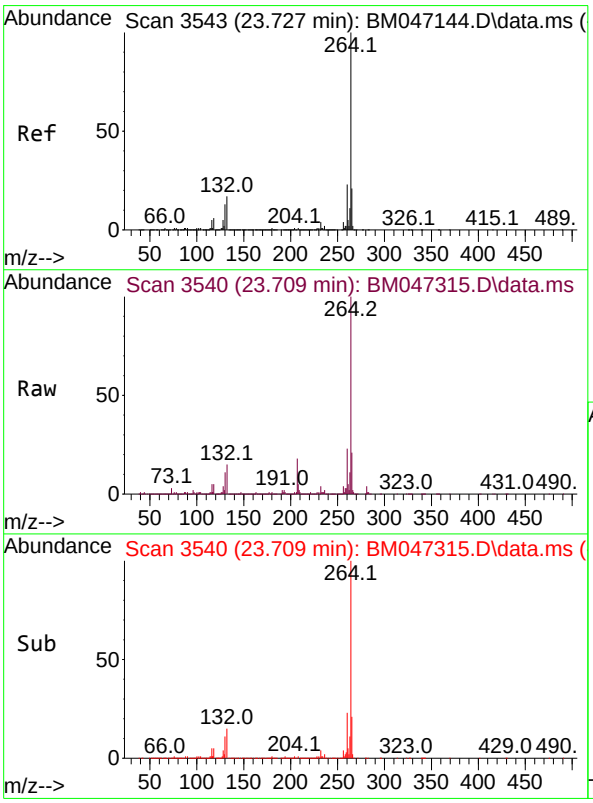
#79
Terphenyl-d14
Concen: 33.270 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047315.D
Acq: 22 Aug 2024 13:51

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0-0.5-081924

Tgt Ion:244 Resp: 2046612

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.4
122	8.8	7.1	10.7

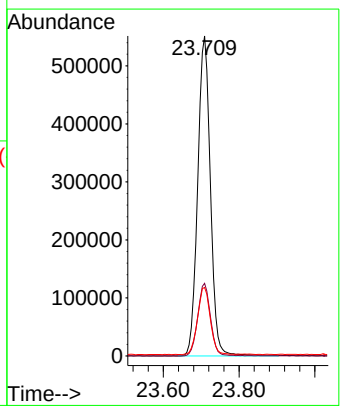




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.709 min Scan# 3540
Delta R.T. -0.018 min
Lab File: BM047315.D
Acq: 22 Aug 2024 13:51

Tgt Ion:264 Resp: 1285509

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.5	27.7
265	21.4	17.3	25.9



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-928-K1-SO-0.5-1-081924	SDG No.:	P3671
Lab Sample ID:	P3671-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047317.D	1	08/21/24 08:50	08/22/24 15:10	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	140	U	140	300	ug/Kg
100-52-7	Benzaldehyde	320	U	320	580	ug/Kg
95-48-7	2-Methylphenol	140	U	140	300	ug/Kg
65794-96-9	3+4-Methylphenols	140	U	140	580	ug/Kg
67-72-1	Hexachloroethane	140	U	140	300	ug/Kg
98-95-3	Nitrobenzene	160	U	160	300	ug/Kg
91-20-3	Naphthalene	140	U	140	300	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	150	300	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	300	ug/Kg
88-06-2	2,4,6-Trichlorophenol	120	U	120	300	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	130	300	ug/Kg
208-96-8	Acenaphthylene	150	U	150	300	ug/Kg
83-32-9	Acenaphthene	140	U	140	300	ug/Kg
132-64-9	Dibenzofuran	150	U	150	300	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	150	300	ug/Kg
86-73-7	Fluorene	150	U	150	300	ug/Kg
118-74-1	Hexachlorobenzene	150	U	150	300	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	580	ug/Kg
85-01-8	Phenanthrene	150	U	150	300	ug/Kg
120-12-7	Anthracene	150	U	150	300	ug/Kg
86-74-8	Carbazole	140	U	140	300	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	150	300	ug/Kg
206-44-0	Fluoranthene	140	U	140	300	ug/Kg
129-00-0	Pyrene	140	U	140	300	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	140	300	ug/Kg
218-01-9	Chrysene	140	U	140	300	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	160	300	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	140	300	ug/Kg
207-08-9	Benzo(k)fluoranthene	140	U	140	300	ug/Kg

Raw Data: **BM047317.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-928-K1-SO-0.5-1-081924	SDG No.:	P3671
Lab Sample ID:	P3671-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047317.D	1	08/21/24 08:50	08/22/24 15:10	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
50-32-8	Benzo(a)pyrene	160	U	160	300	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	140	300	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	140	300	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	140	300	ug/Kg
123-91-1	1,4-Dioxane	190	U	190	300	ug/Kg
90-12-0	1-Methylnaphthalene	150	U	150	300	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	88.4		30 (18) - 130 (112)	59%	SPK: 150
13127-88-3	Phenol-d6	85.5		30 (15) - 130 (107)	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.2		30 (18) - 130 (107)	56%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.9		30 (20) - 130 (109)	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	93.8		30 (10) - 130 (116)	63%	SPK: 150
1718-51-0	Terphenyl-d14	50.6		30 (10) - 130 (105)	51%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	257000	7.351			
1146-65-2	Naphthalene-d8	976000	10.104			
15067-26-2	Acenaphthene-d10	648000	14.01			
1517-22-2	Phenanthrene-d10	1360000	16.774			
1719-03-5	Chrysene-d12	1310000	21.015			
1520-96-3	Perylene-d12	1330000	23.709			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047317.D
Acq On : 22 Aug 2024 15:10
Operator : RC/JU
Sample : P3671-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924

Quant Time: Aug 22 15:54:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

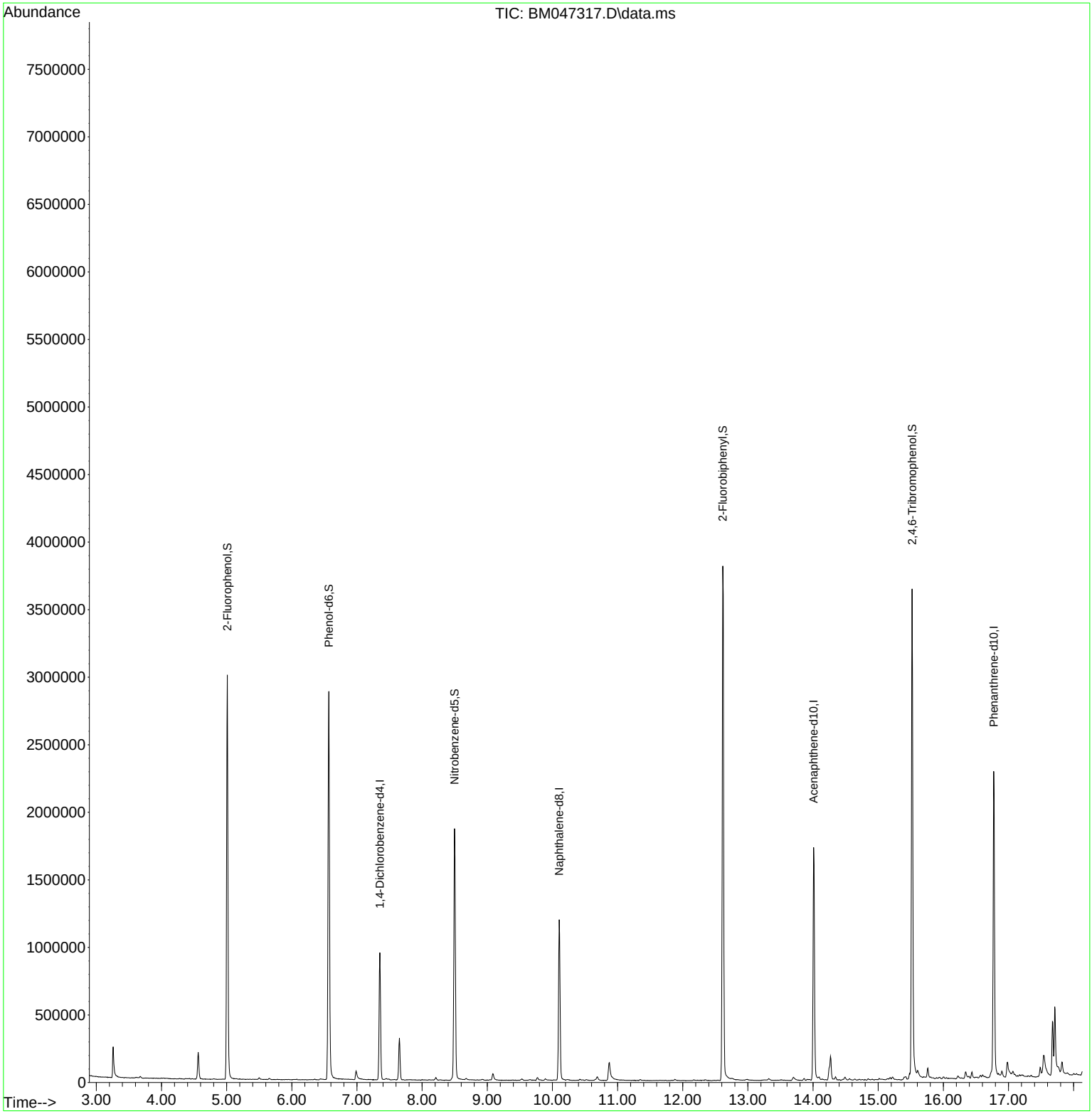
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	256729	20.000	ng	-0.02
21) Naphthalene-d8	10.104	136	976076	20.000	ng	-0.03
39) Acenaphthene-d10	14.010	164	648357	20.000	ng	-0.02
64) Phenanthrene-d10	16.774	188	1364522	20.000	ng	-0.02
76) Chrysene-d12	21.015	240	1305173	20.000	ng	-0.02
86) Perylene-d12	23.709	264	1329488	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1270740	88.444	ng	-0.01
7) Phenol-d6	6.569	99	1692230	85.477	ng	-0.02
23) Nitrobenzene-d5	8.498	82	1089285	56.193	ng	-0.02
42) 2,4,6-Tribromophenol	15.521	330	705291	93.816	ng	-0.02
45) 2-Fluorobiphenyl	12.616	172	2096788	49.885	ng	-0.03
79) Terphenyl-d14	19.445	244	3079802	50.563	ng	-0.02
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047317.D
Acq On : 22 Aug 2024 15:10
Operator : RC/JU
Sample : P3671-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924

Quant Time: Aug 22 15:54:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

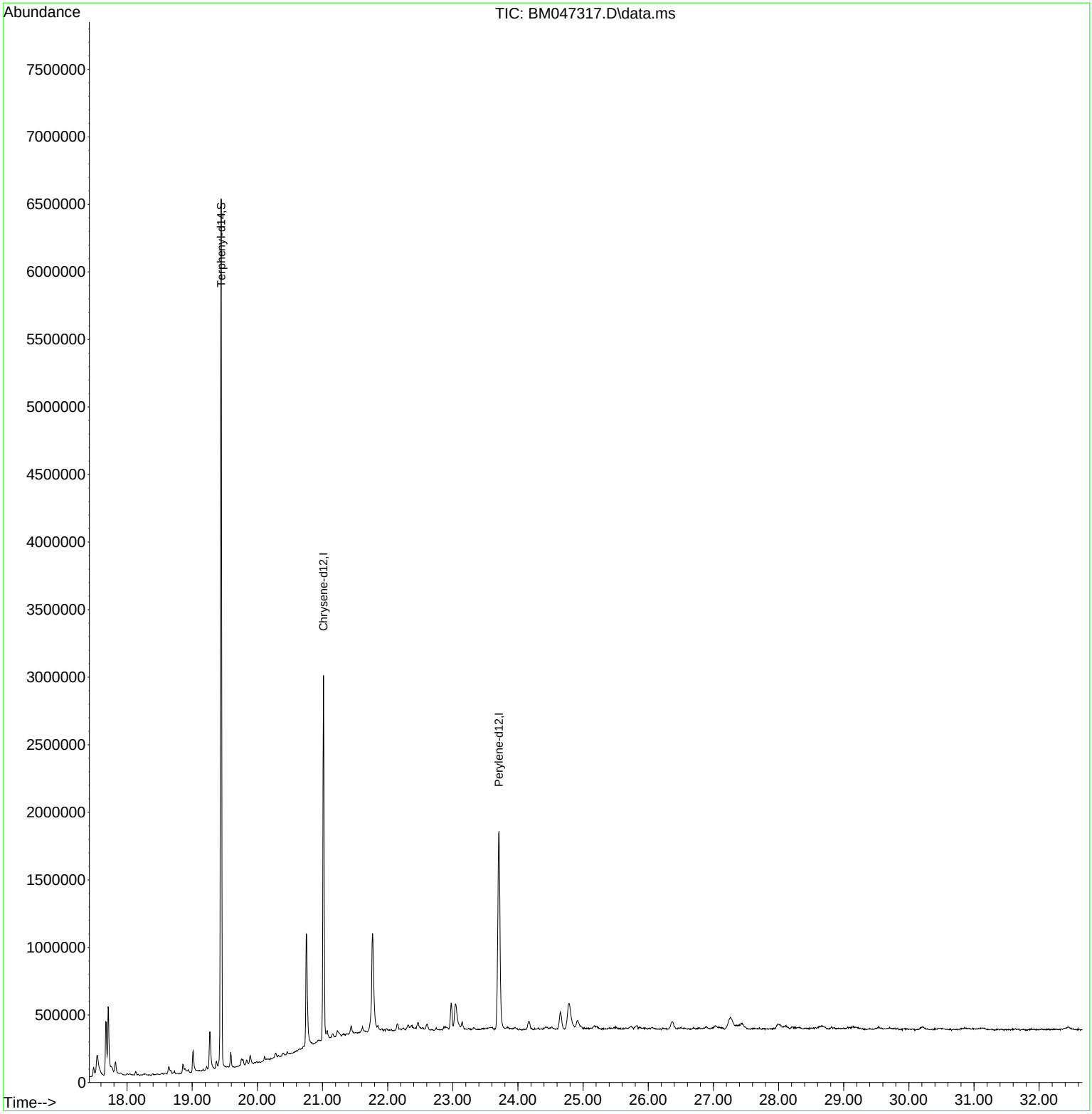


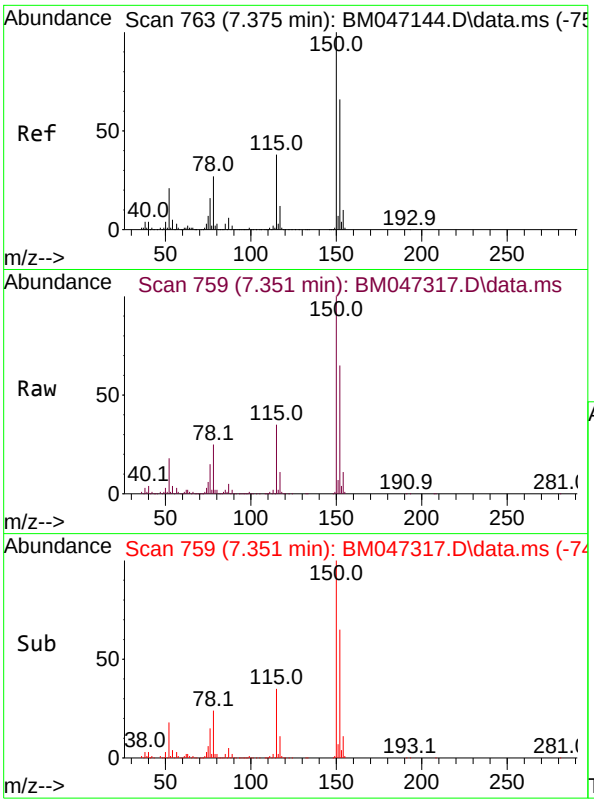
Sample Results: **BM047317.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047317.D
Acq On : 22 Aug 2024 15:10
Operator : RC/JU
Sample : P3671-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924

Quant Time: Aug 22 15:54:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration



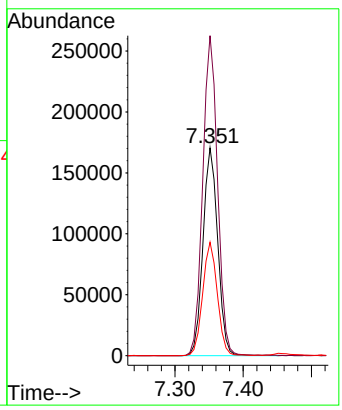


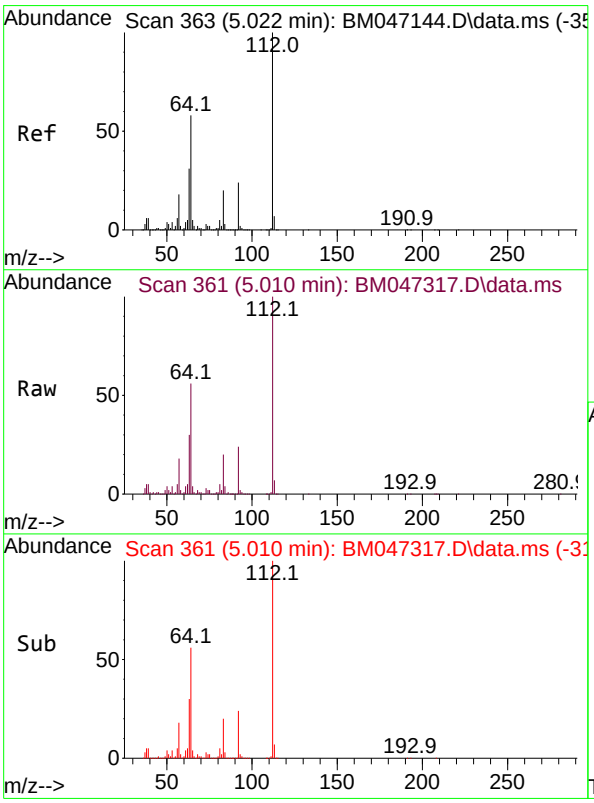
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 7
Delta R.T. -0.024 min
Lab File: BM047317.D
Acq: 22 Aug 2024 15:10

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924

Tgt Ion:152 Resp: 256729

Ion	Ratio	Lower	Upper
152	100		
150	153.9	120.5	180.7
115	54.5	45.5	68.3

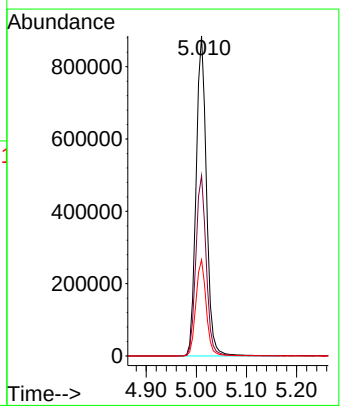


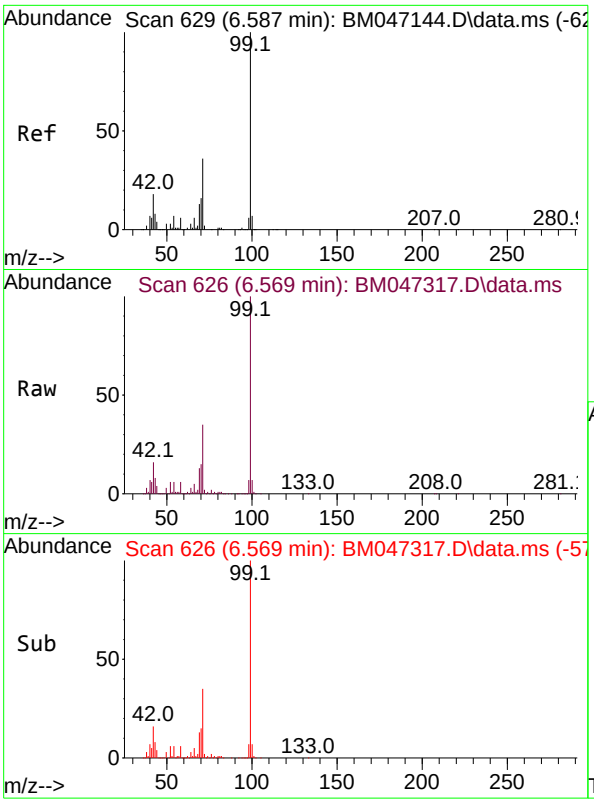


#5
2-Fluorophenol
Concen: 88.444 ng
RT: 5.010 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047317.D
Acq: 22 Aug 2024 15:10

Tgt Ion:112 Resp: 1270740

Ion	Ratio	Lower	Upper
112	100		
64	56.3	46.7	70.1
63	30.1	24.8	37.2



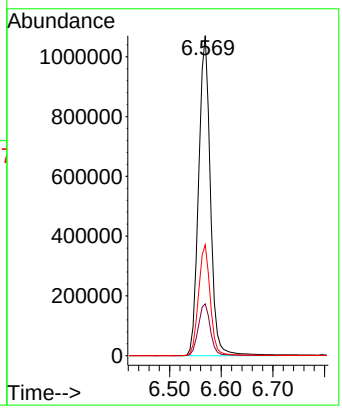


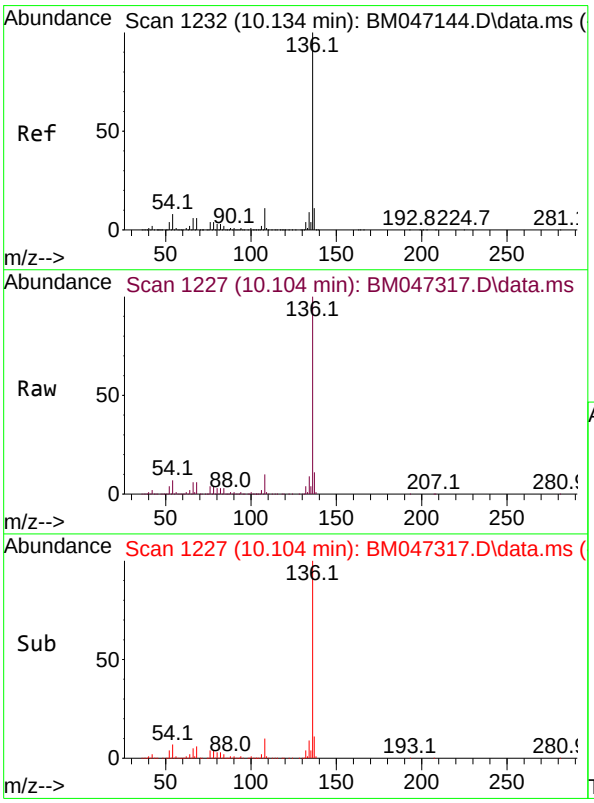
#7
Phenol-d6
Concen: 85.477 ng
RT: 6.569 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM047317.D
Acq: 22 Aug 2024 15:10

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924

Tgt Ion: 99 Resp: 1692230

Ion	Ratio	Lower	Upper
99	100		
42	16.2	14.1	21.1
71	34.6	28.5	42.7

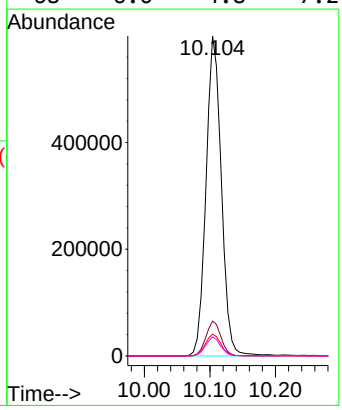


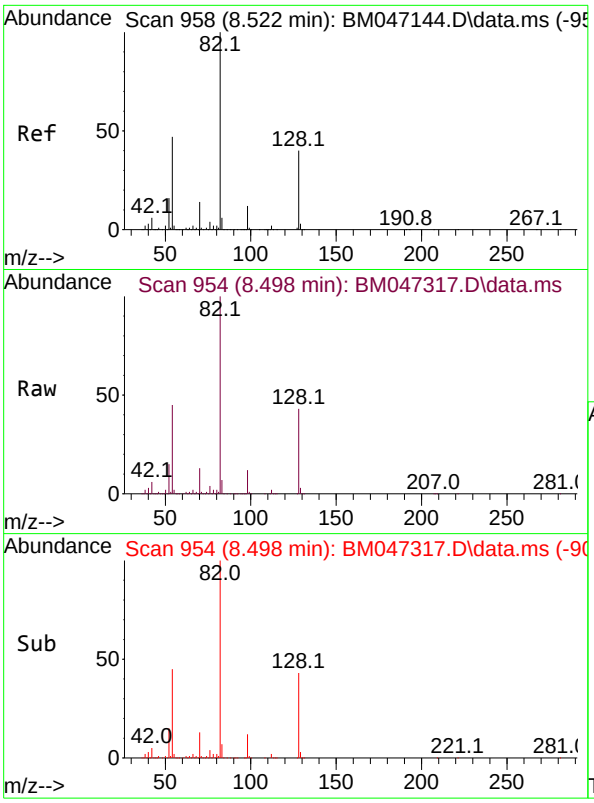


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. -0.030 min
Lab File: BM047317.D
Acq: 22 Aug 2024 15:10

Tgt Ion:136 Resp: 976076

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.8	6.0	9.0
68	6.0	4.8	7.2



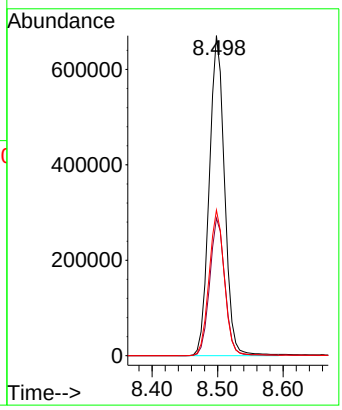


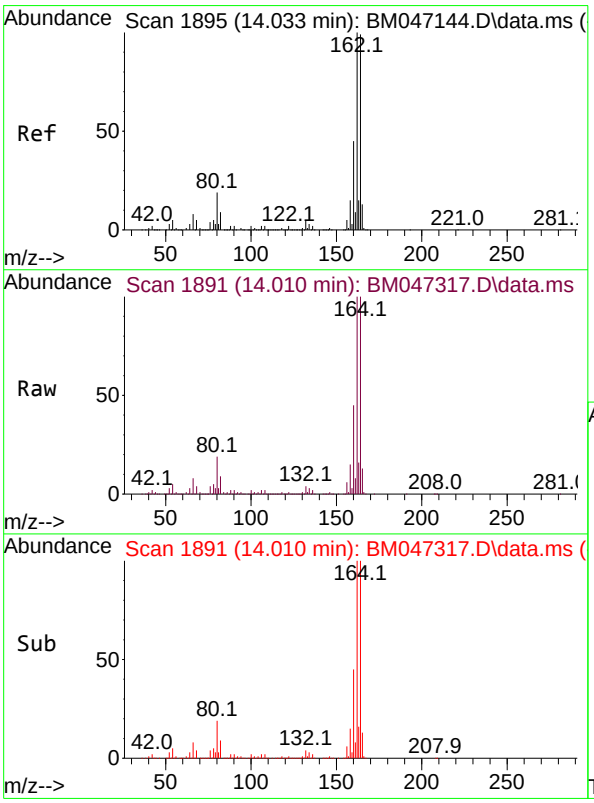
#23
Nitrobenzene-d5
Concen: 56.193 ng
RT: 8.498 min Scan# 9
Delta R.T. -0.024 min
Lab File: BM047317.D
Acq: 22 Aug 2024 15:10

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924

Tgt Ion: 82 Resp: 1089285

Ion	Ratio	Lower	Upper
82	100		
128	42.9	32.3	48.5
54	45.5	37.4	56.2

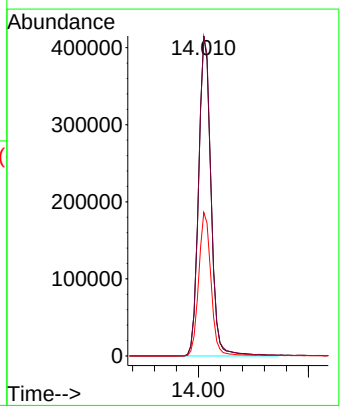


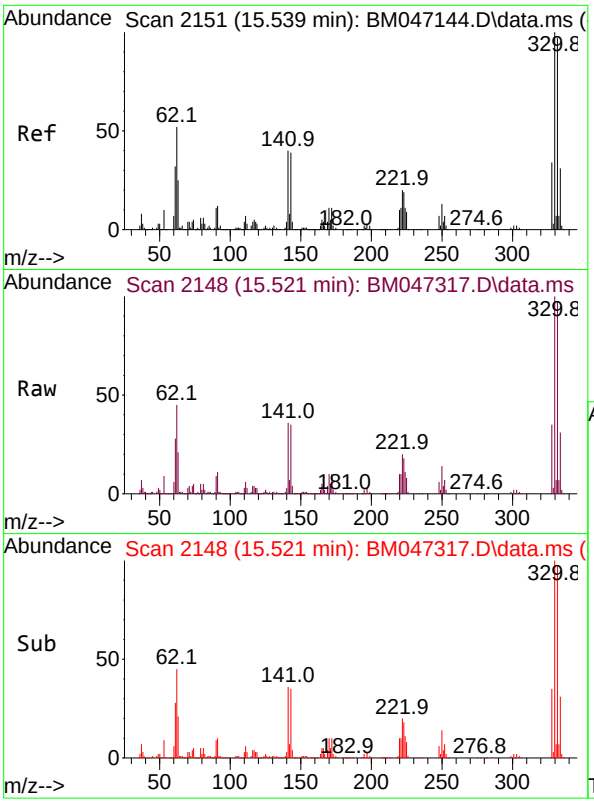


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.024 min
Lab File: BM047317.D
Acq: 22 Aug 2024 15:10

Tgt Ion:164 Resp: 648357

Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.7	121.1
160	44.9	36.0	54.0



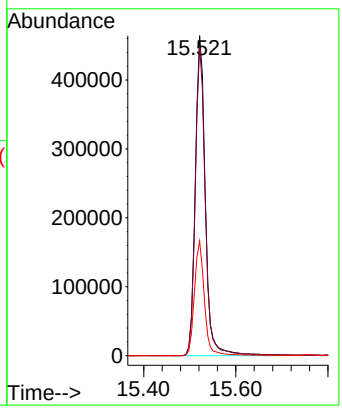


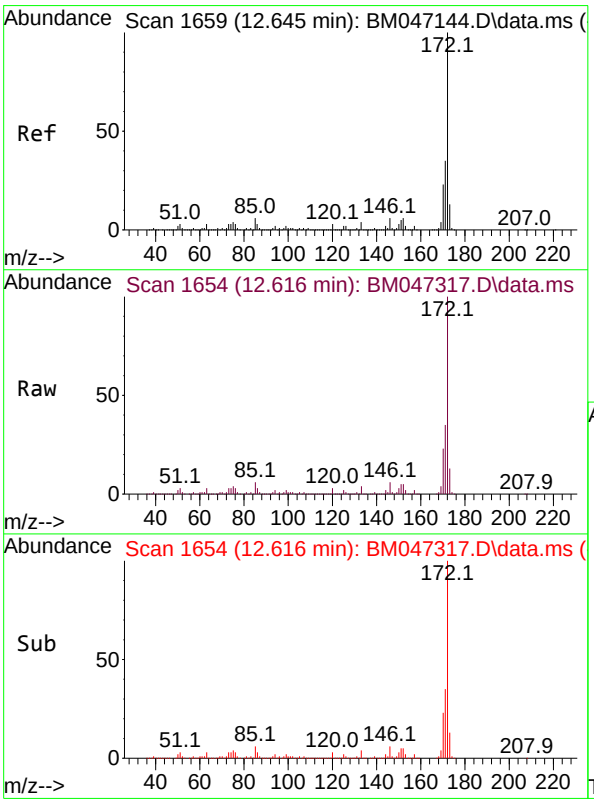
#42
2,4,6-Tribromophenol
Concen: 93.816 ng
RT: 15.521 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM047317.D
Acq: 22 Aug 2024 15:10

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924

Tgt Ion:330 Resp: 705291

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.4	116.2
141	35.7	31.6	47.4

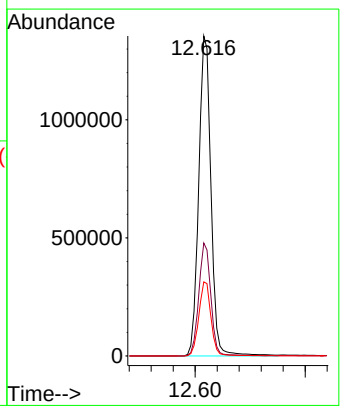


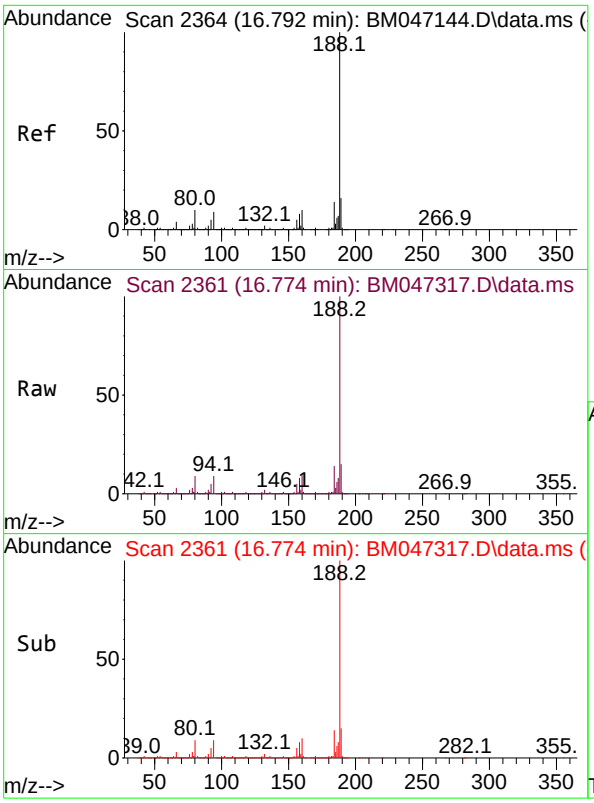


#45
2-Fluorobiphenyl
Concen: 49.885 ng
RT: 12.616 min Scan# 1654
Delta R.T. -0.029 min
Lab File: BM047317.D
Acq: 22 Aug 2024 15:10

Tgt Ion:172 Resp: 2096788

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.8	41.6
170	23.1	18.7	28.1



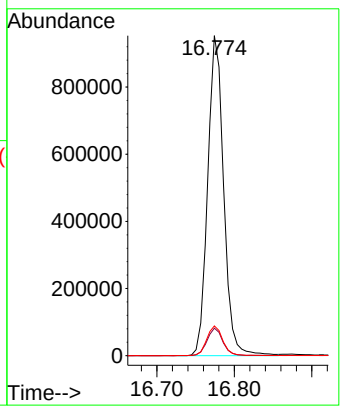


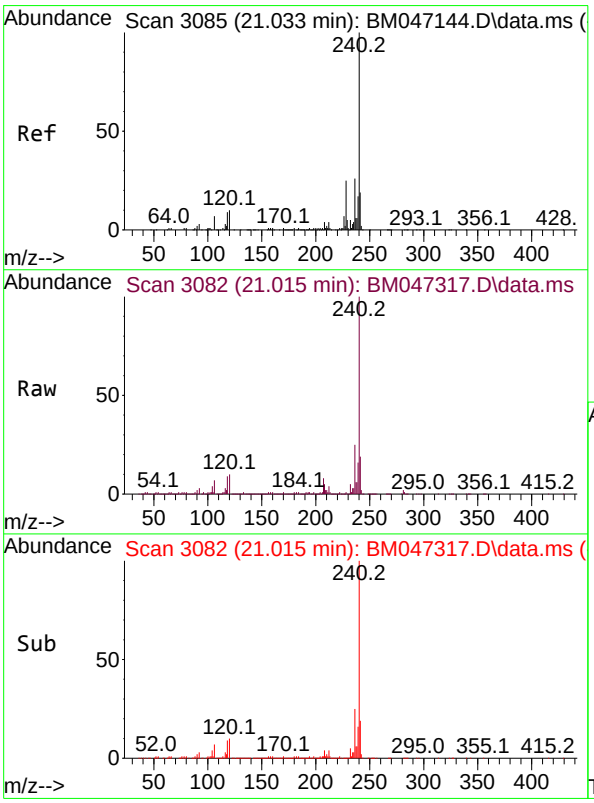
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.774 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047317.D
Acq: 22 Aug 2024 15:10

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924

Tgt Ion:188 Resp: 1364522

Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.0	10.6
80	9.3	8.0	12.0

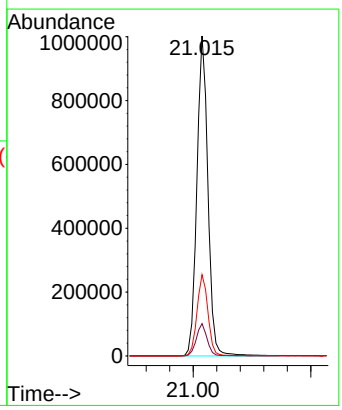


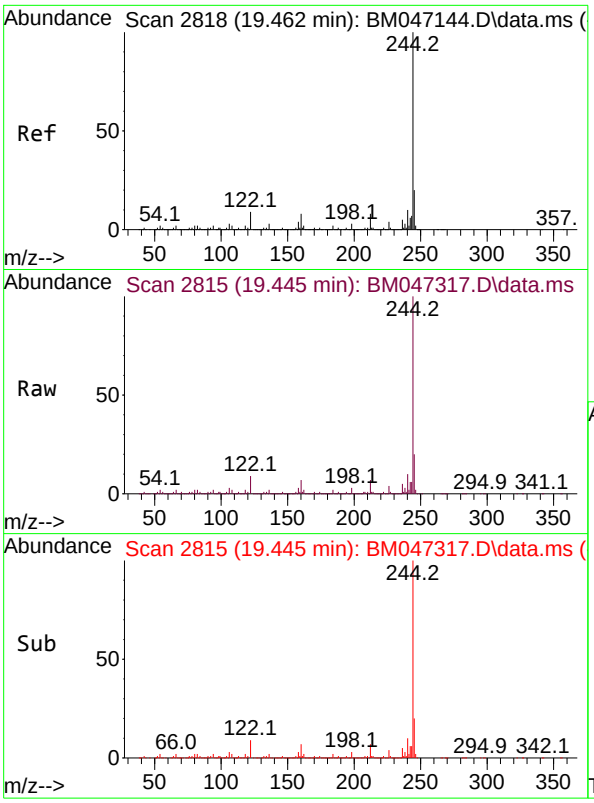


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.015 min Scan# 3082
Delta R.T. -0.018 min
Lab File: BM047317.D
Acq: 22 Aug 2024 15:10

Tgt Ion:240 Resp: 1305173

Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.2	12.2
236	25.4	20.6	30.8



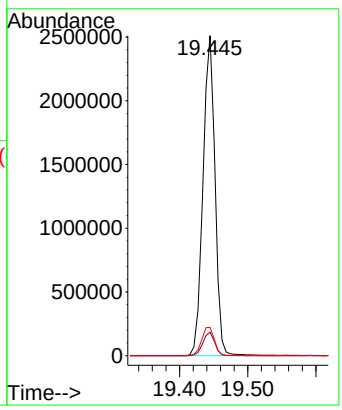


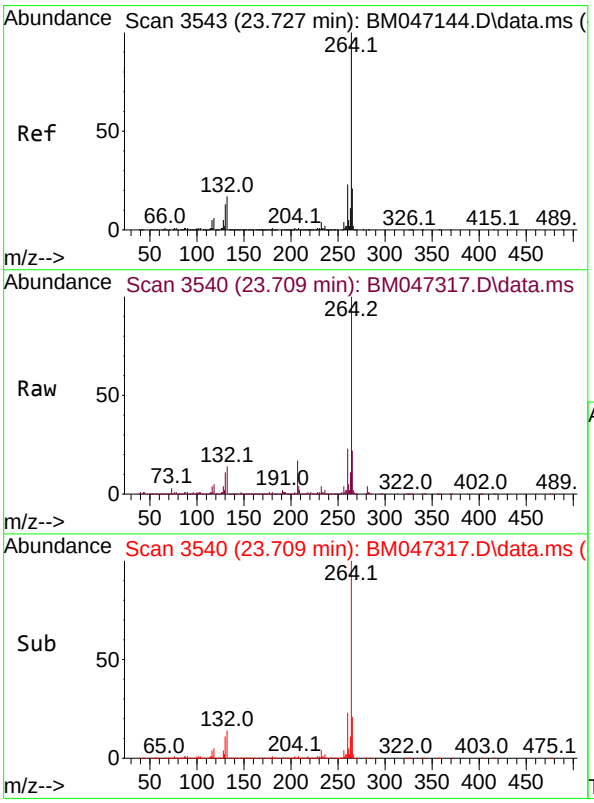
#79
Terphenyl-d14
Concen: 50.563 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047317.D
Acq: 22 Aug 2024 15:10

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924

Tgt Ion:244 Resp: 3079802

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.2	9.4
122	8.9	7.1	10.7

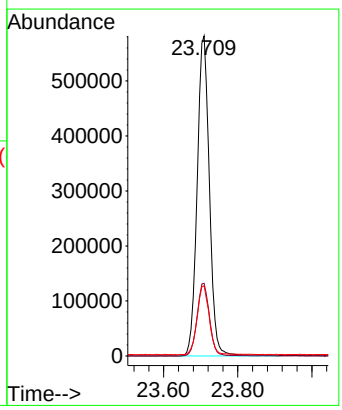




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.709 min Scan# 3540
Delta R.T. -0.018 min
Lab File: BM047317.D
Acq: 22 Aug 2024 15:10

Tgt Ion:264 Resp: 1329488

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.5	27.7
265	22.0	17.3	25.9



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-903-J-SO-0-0.5-081924	SDG No.:	P3671
Lab Sample ID:	P3671-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	83.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021621.D	1	08/21/24 08:50	08/22/24 20:06	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	95.6	U	95.6	200	ug/Kg
100-52-7	Benzaldehyde	220	U	220	390	ug/Kg
95-48-7	2-Methylphenol	96.4	U	96.4	200	ug/Kg
65794-96-9	3+4-Methylphenols	95.5	U	95.5	390	ug/Kg
67-72-1	Hexachloroethane	99.3	U	99.3	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	200	ug/Kg
91-20-3	Naphthalene	98.8	U	98.8	200	ug/Kg
87-68-3	Hexachlorobutadiene	99.7	U	99.7	200	ug/Kg
91-57-6	2-Methylnaphthalene	98.7	U	98.7	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	85.4	U	85.4	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	88.5	U	88.5	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	200	ug/Kg
83-32-9	Acenaphthene	97.0	U	97.0	200	ug/Kg
132-64-9	Dibenzofuran	100	U	100	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	200	ug/Kg
86-73-7	Fluorene	100	U	100	200	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	200	ug/Kg
87-86-5	Pentachlorophenol	92.5	U	92.5	390	ug/Kg
85-01-8	Phenanthrene	1300		100	200	ug/Kg
120-12-7	Anthracene	170	J	100	200	ug/Kg
86-74-8	Carbazole	110	J	96.1	200	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	200	ug/Kg
206-44-0	Fluoranthene	2200		97.7	200	ug/Kg
129-00-0	Pyrene	1800		99.3	200	ug/Kg
56-55-3	Benzo(a)anthracene	840		96.6	200	ug/Kg
218-01-9	Chrysene	1000		95.1	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		97.0	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	410		98.8	200	ug/Kg

Raw Data: **BP021621.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-903-J-SO-0-0.5-081924	SDG No.:	P3671
Lab Sample ID:	P3671-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	83.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021621.D	1	08/21/24 08:50	08/22/24 20:06	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
50-32-8	Benzo(a)pyrene	900		110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	520		93.4	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	J	97.1	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	590		95.8	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	200	ug/Kg
90-12-0	1-Methylnaphthalene	99.5	U	99.5	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	46.5		30 (18) - 130 (112)	31%	SPK: 150
13127-88-3	Phenol-d6	46.0		30 (15) - 130 (107)	31%	SPK: 150
4165-60-0	Nitrobenzene-d5	30.6		30 (18) - 130 (107)	31%	SPK: 100
321-60-8	2-Fluorobiphenyl	17.6	*	30 (20) - 130 (109)	18%	SPK: 100
118-79-6	2,4,6-Tribromophenol	43.2	*	30 (10) - 130 (116)	29%	SPK: 150
1718-51-0	Terphenyl-d14	21.9	*	30 (10) - 130 (105)	22%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	361000	7.805			
1146-65-2	Naphthalene-d8	1550000	10.587			
15067-26-2	Acenaphthene-d10	1080000	14.44			
1517-22-2	Phenanthrene-d10	2400000	17.245			
1719-03-5	Chrysene-d12	2030000	21.716			
1520-96-3	Perylene-d12	2360000	25.151			

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_P\Data\BP082224\
Data File : BP021621.D
Acq On : 22 Aug 2024 20:06
Operator : RC/JU
Sample : P3671-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S-903-J-SO-0-0.5-081924

Quant Time: Aug 23 00:54:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 2024
Response via : Initial Calibration

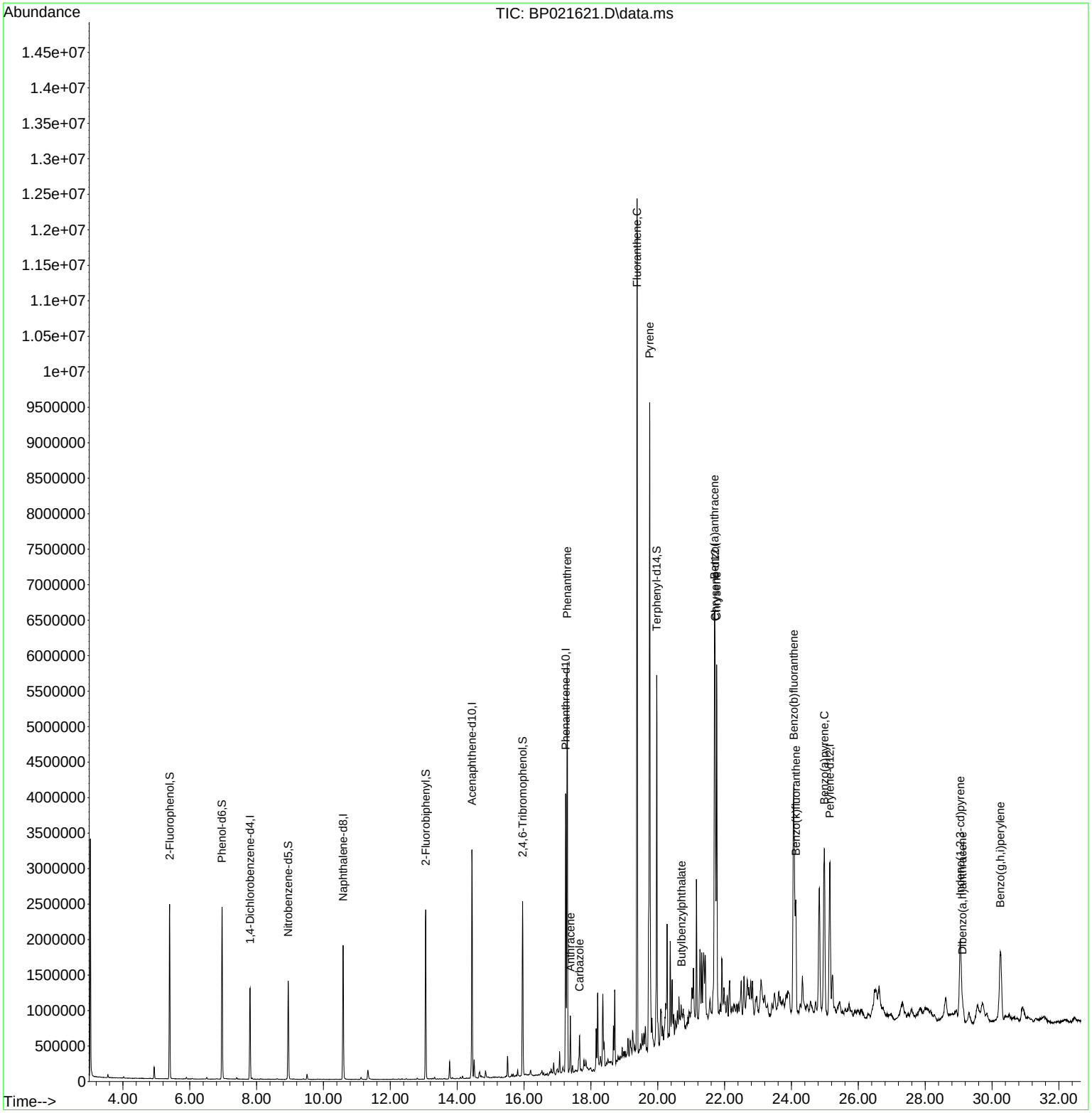
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.805	152	360701	20.000	ng		0.00
21) Naphthalene-d8	10.587	136	1546563	20.000	ng		0.00
39) Acenaphthene-d10	14.440	164	1075680	20.000	ng		0.00
64) Phenanthrene-d10	17.245	188	2395933	20.000	ng		0.00
76) Chrysene-d12	21.716	240	2027364	20.000	ng		0.00
86) Perylene-d12	25.151	264	2358797	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.399	112	1128878	46.471	ng		0.00
7) Phenol-d6	6.963	99	1630099	46.001	ng		0.00
23) Nitrobenzene-d5	8.946	82	915399	30.551	ng		0.00
42) 2,4,6-Tribromophenol	15.957	330	516823	43.170	ng		0.00
45) 2-Fluorobiphenyl	13.057	172	1242392	17.627	ng		0.00
79) Terphenyl-d14	19.969	244	2284318	21.890	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	17.292	178	3650463	31.681	ng		99
72) Anthracene	17.386	178	472712	4.183	ng		99
73) Carbazole	17.663	167	311582	2.861	ng		98
75) Fluoranthene	19.380	202	7628233	53.956	ng		99
78) Pyrene	19.757	202	5859772	44.221	ng		99
80) Butylbenzylphthalate	20.710	149	27904	4.116	ng		100
81) Benzo(a)anthracene	21.698	228	2667422	20.959	ng		98
83) Chrysene	21.763	228	3058021	25.449	ng		98
87) Indeno(1,2,3-cd)pyrene	29.051	276	2010108	13.147	ng	#	90
88) Benzo(b)fluoranthene	24.068	252	4117274	30.392	ng		98
89) Benzo(k)fluoranthene	24.133	252	1373839m	10.396	ng		
90) Benzo(a)pyrene	24.986	252	2660944	22.634	ng		98
91) Dibenzo(a,h)anthracene	29.115	278	490549	3.861	ng		93
92) Benzo(g,h,i)perylene	30.250	276	1875557	14.729	ng		100

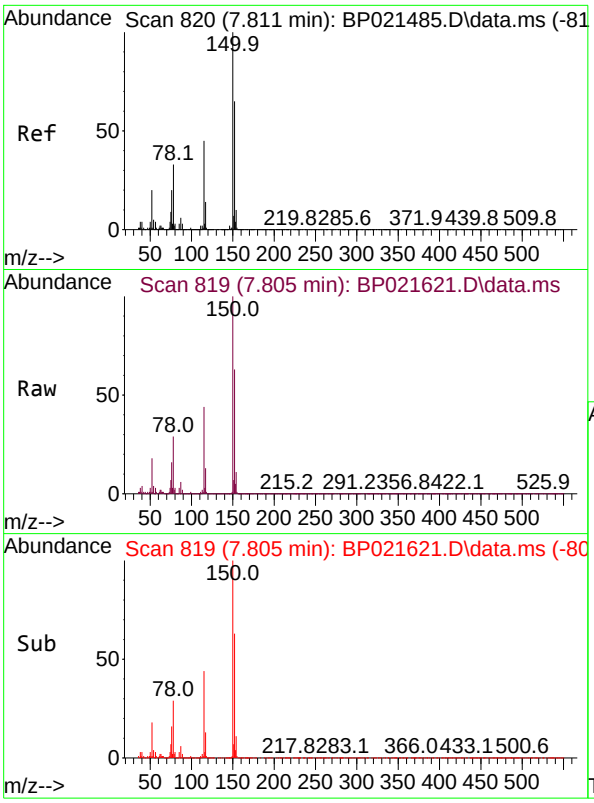
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
Data File : BP021621.D
Acq On : 22 Aug 2024 20:06
Operator : RC/JU
Sample : P3671-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S-903-J-SO-0-0.5-081924

Quant Time: Aug 23 00:54:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 2024
Response via : Initial Calibration



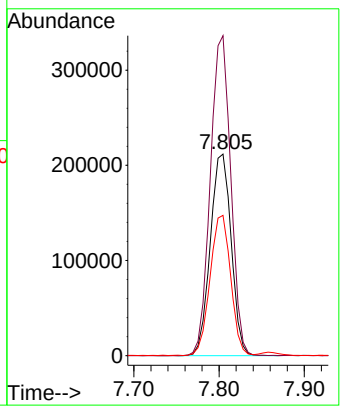


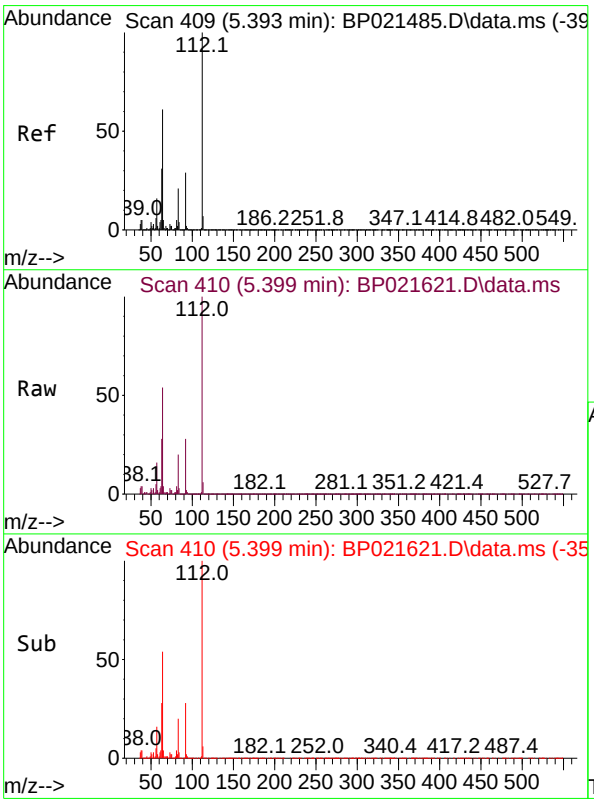
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Instrument :
BNA_P
ClientSampleId :
S-903-J-SO-0-0.5-081924

Tgt Ion:152 Resp: 360701

Ion	Ratio	Lower	Upper
152	100		
150	158.7	122.4	183.6
115	69.6	54.7	82.1

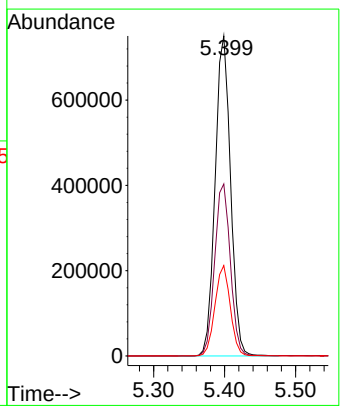


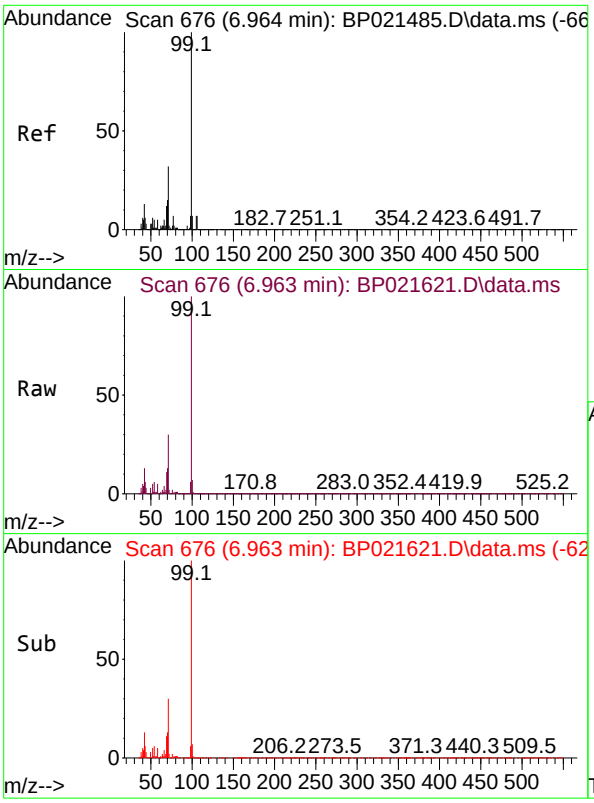


#5
2-Fluorophenol
Concen: 46.471 ng
RT: 5.399 min Scan# 410
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Tgt Ion:112 Resp: 1128878

Ion	Ratio	Lower	Upper
112	100		
64	53.8	49.0	73.6
63	28.3	24.6	36.8



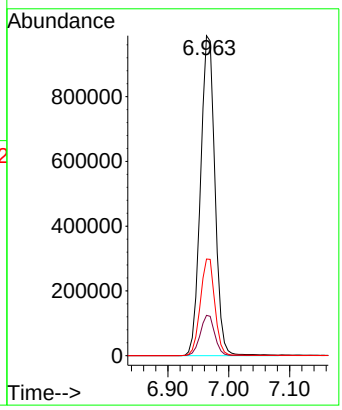


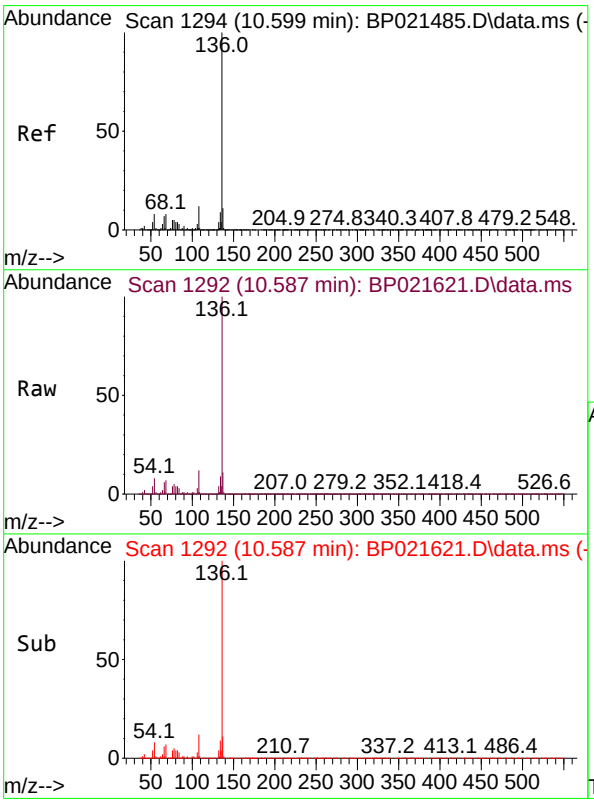
#7
Phenol-d6
Concen: 46.001 ng
RT: 6.963 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Instrument :
BNA_P
ClientSampleId :
S-903-J-SO-0-0.5-081924

Tgt Ion: 99 Resp: 1630099

Ion	Ratio	Lower	Upper
99	100		
42	12.6	10.2	15.4
71	30.2	25.8	38.8

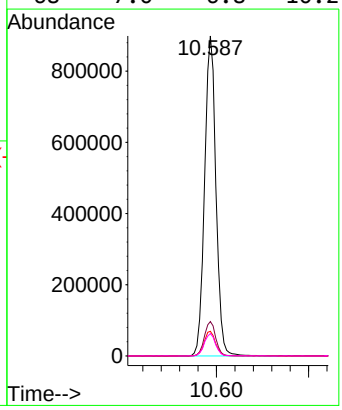


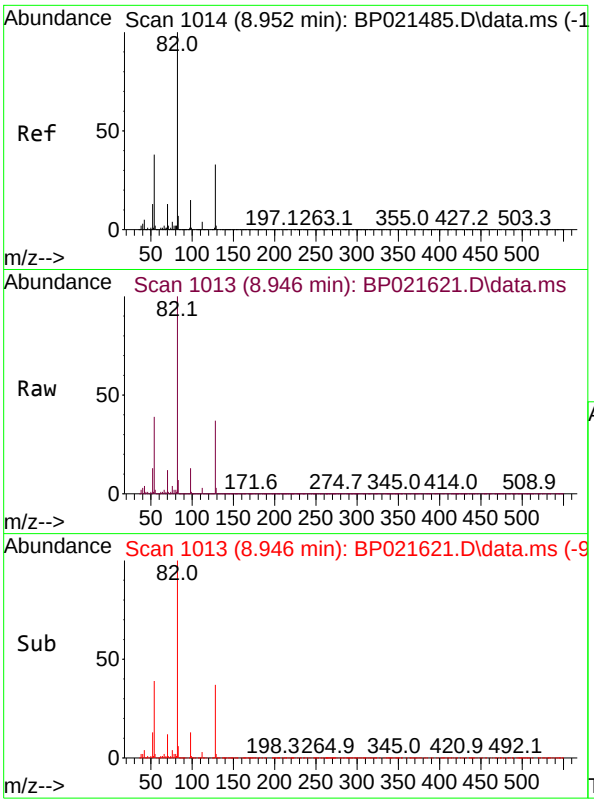


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Tgt Ion:136 Resp: 1546563

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.7	6.3	9.5
68	7.0	6.8	10.2



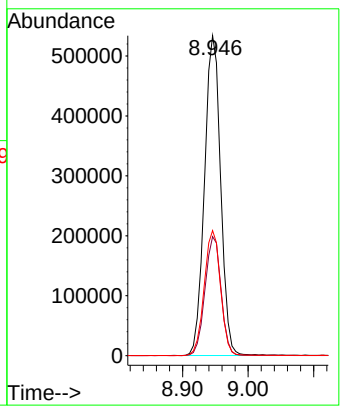


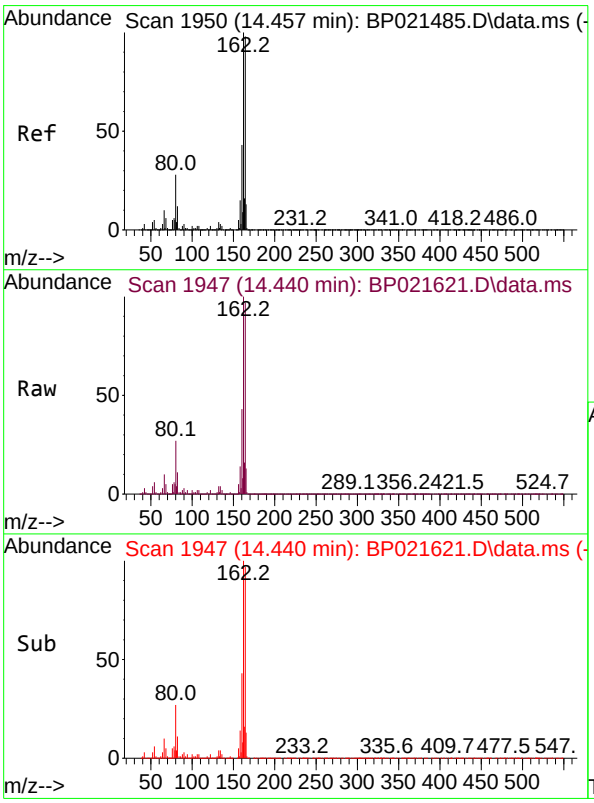
#23
Nitrobenzene-d5
Concen: 30.551 ng
RT: 8.946 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Instrument :
BNA_P
ClientSampleId :
S-903-J-SO-0-0.5-081924

Tgt Ion: 82 Resp: 915399

Ion	Ratio	Lower	Upper
82	100		
128	37.2	26.5	39.7
54	39.1	30.3	45.5

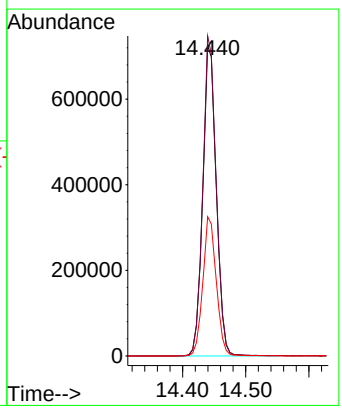


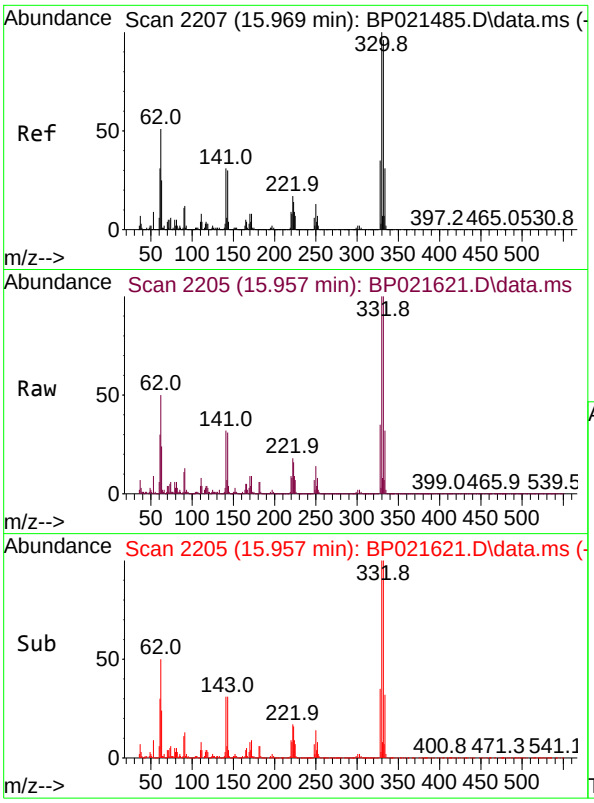


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.440 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Tgt Ion:164 Resp: 1075680

Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.5	122.3
160	44.8	35.2	52.8



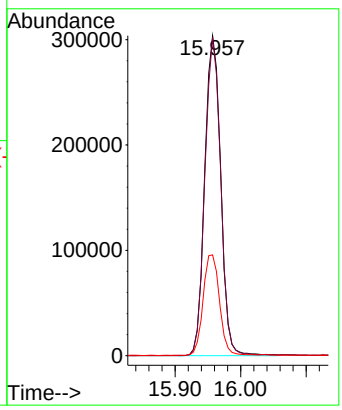


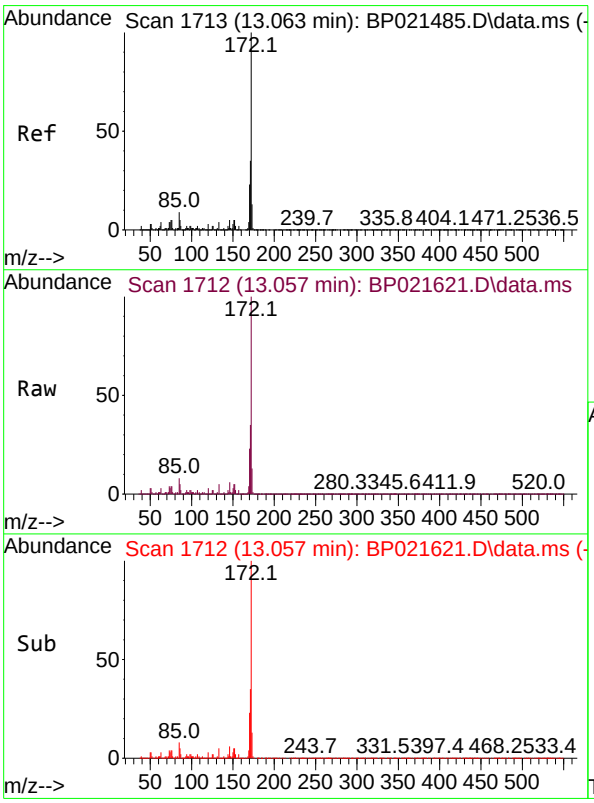
#42
2,4,6-Tribromophenol
Concen: 43.170 ng
RT: 15.957 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Instrument :
BNA_P
ClientSampleId :
S-903-J-SO-0-0.5-081924

Tgt Ion:330 Resp: 516823

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.4	116.0
141	32.1	24.5	36.7

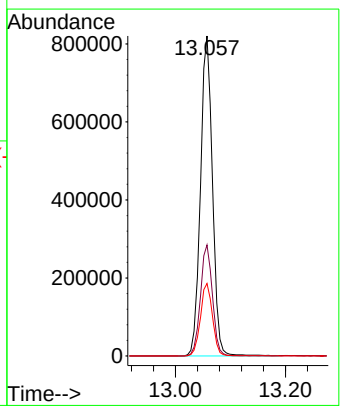


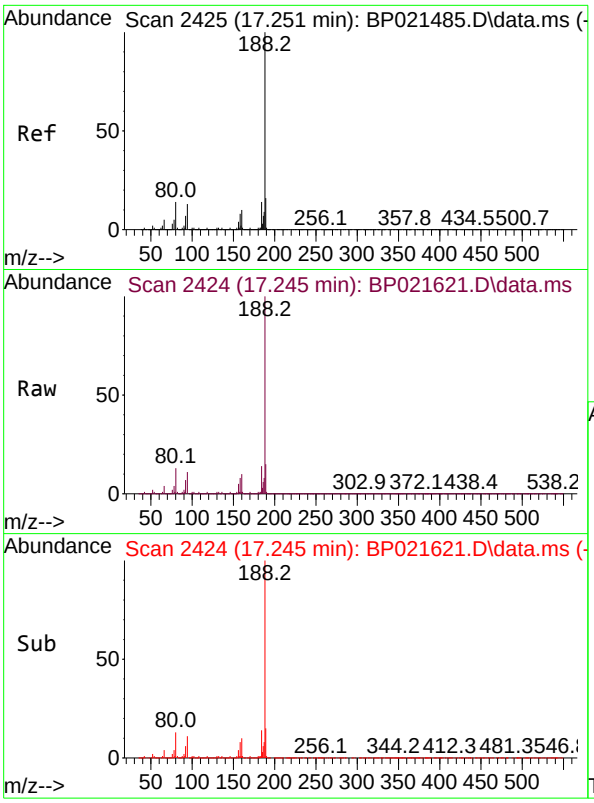


#45
2-Fluorobiphenyl
Concen: 17.627 ng
RT: 13.057 min Scan# 1712
Delta R.T. 0.006 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Tgt Ion:172 Resp: 1242392

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.2	42.4
170	22.7	18.4	27.6



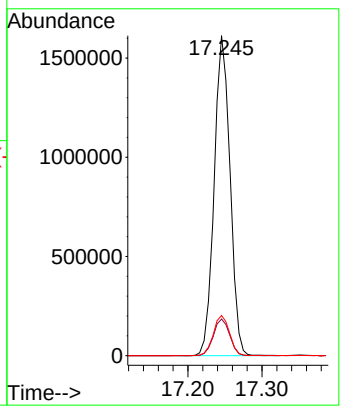


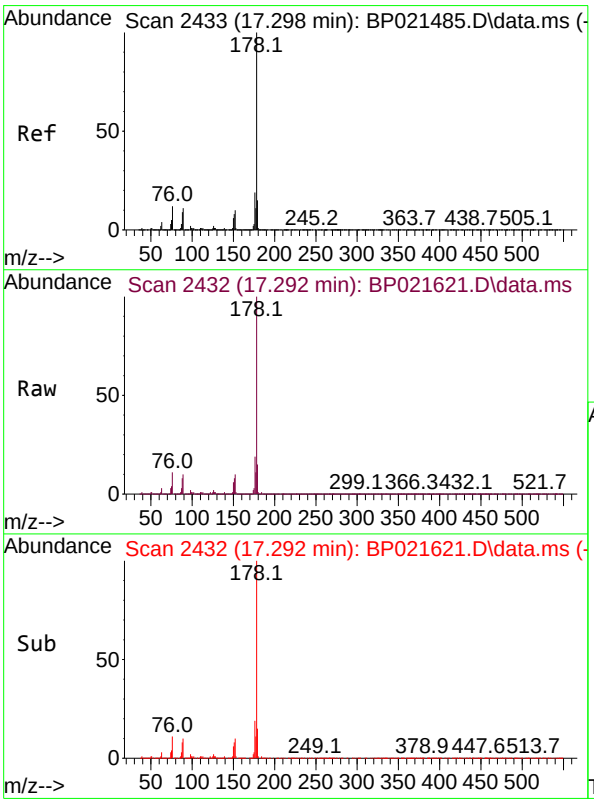
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Instrument :
BNA_P
ClientSampleId :
S-903-J-SO-0-0.5-081924

Tgt Ion:188 Resp: 2395933

Ion	Ratio	Lower	Upper
188	100		
94	11.4	10.2	15.4
80	12.5	11.6	17.4

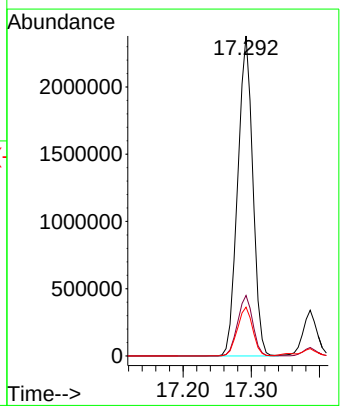


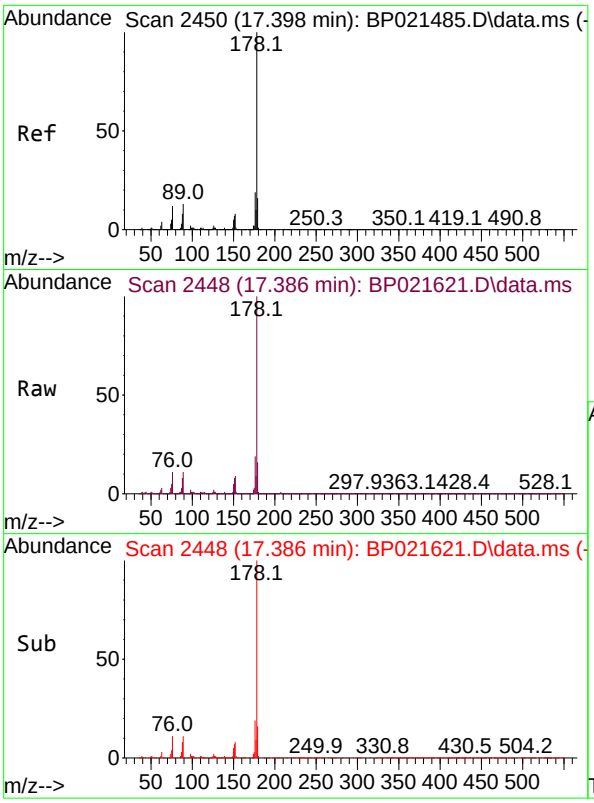


#71
Phenanthrene
Concen: 31.681 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Tgt Ion:178 Resp: 3650463

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.2	12.4	18.6



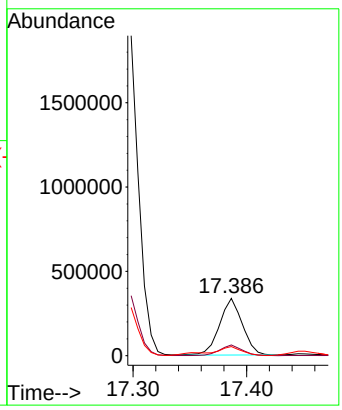


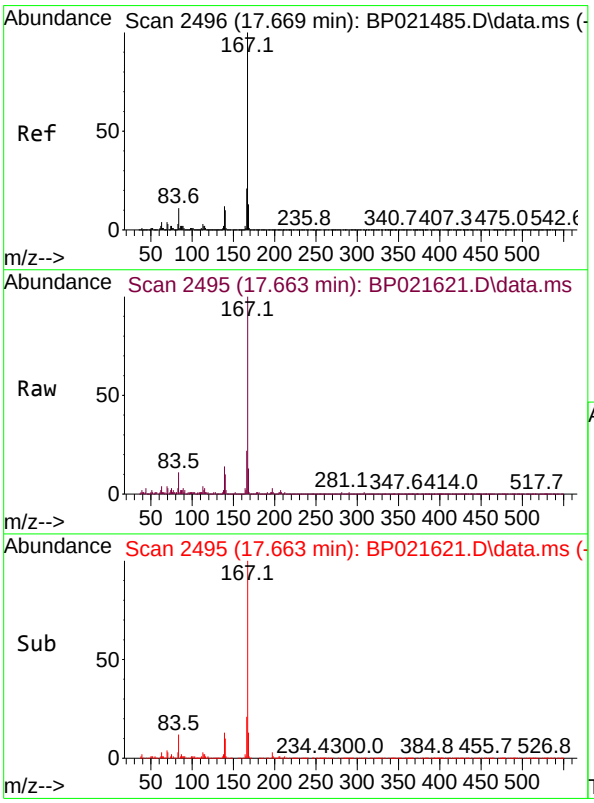
#72
Anthracene
Concen: 4.183 ng
RT: 17.386 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Instrument :
BNA_P
ClientSampleId :
S-903-J-SO-0-0.5-081924

Tgt Ion:178 Resp: 472712

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	16.1	12.5	18.7

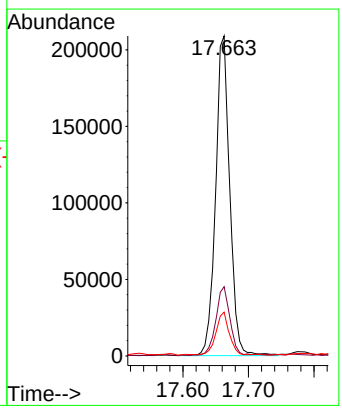


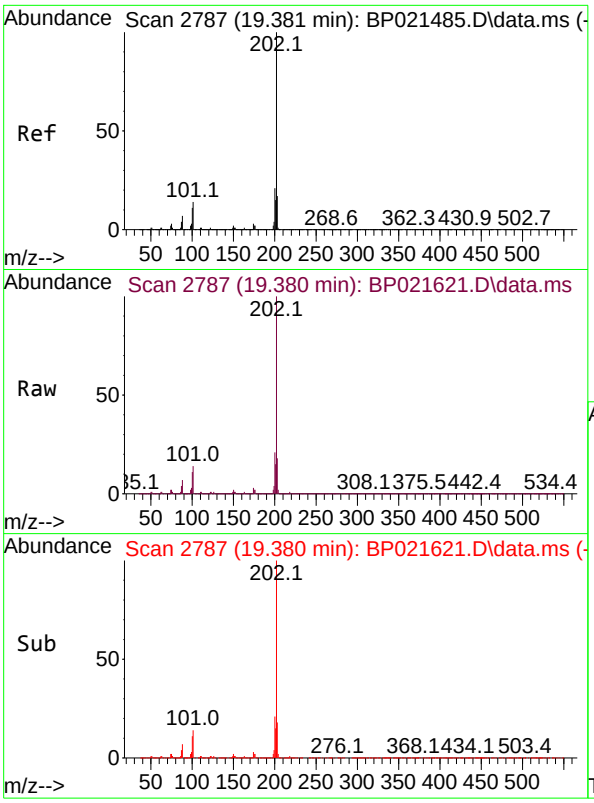


#73
Carbazole
Concen: 2.861 ng
RT: 17.663 min Scan# 2495
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Tgt Ion:167 Resp: 311582

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.4
139	13.7	9.9	14.9



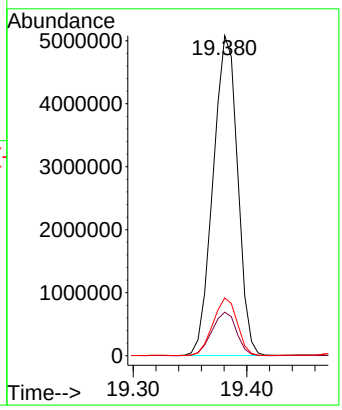


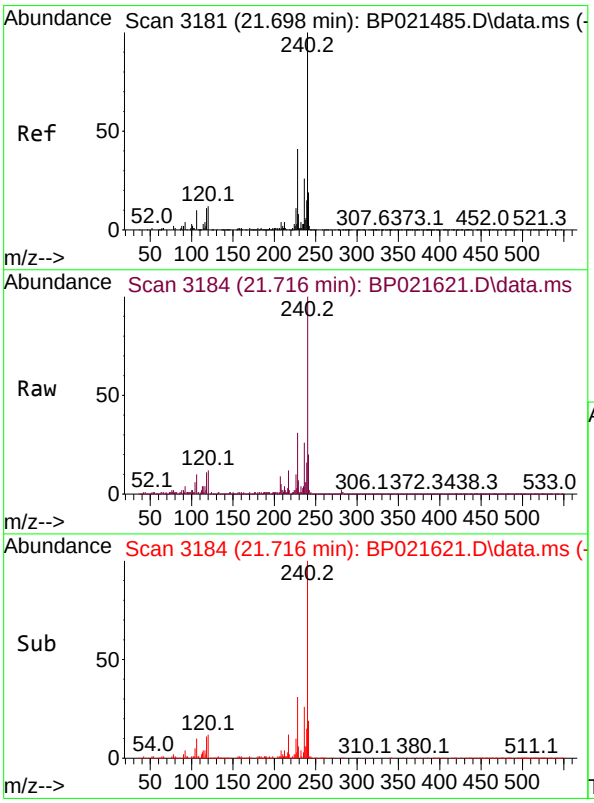
#75
Fluoranthene
Concen: 53.956 ng
RT: 19.380 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Instrument :
BNA_P
ClientSampleId :
S-903-J-SO-0-0.5-081924

Tgt Ion:202 Resp: 7628233

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.0
203	18.1	0.0	37.5

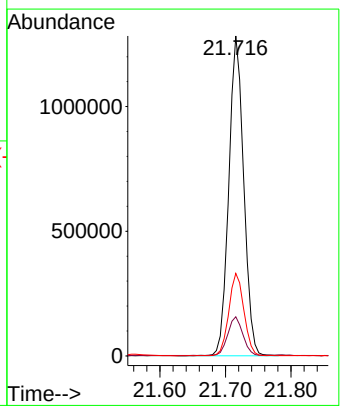


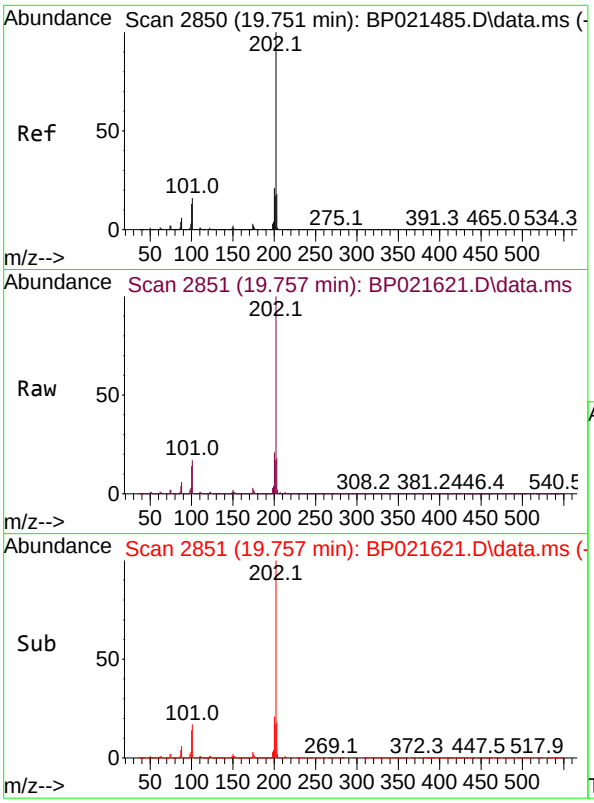


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.716 min Scan# 3184
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Tgt Ion:240 Resp: 2027364

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.9	14.9
236	25.8	20.6	30.8



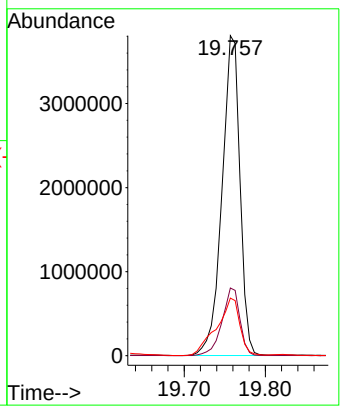


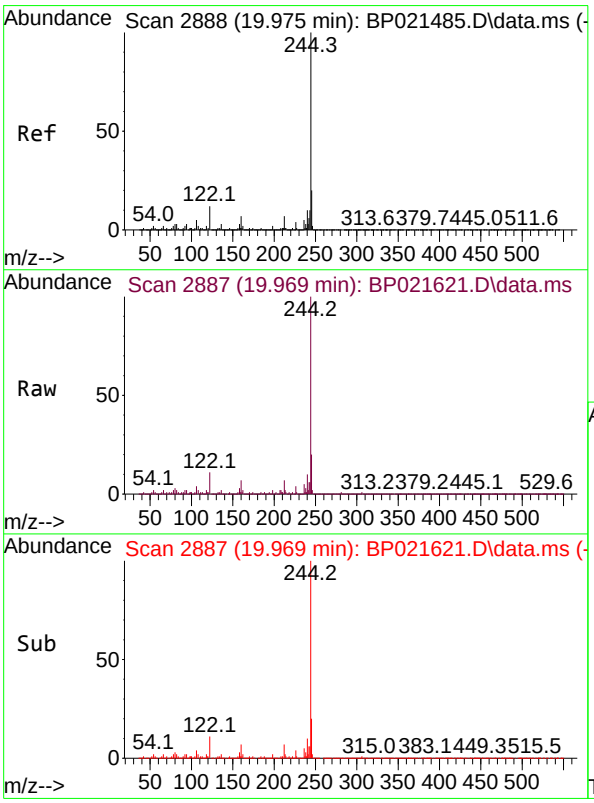
#78
Pyrene
Concen: 44.221 ng
RT: 19.757 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Instrument :
BNA_P
ClientSampleId :
S-903-J-SO-0-0.5-081924

Tgt Ion:202 Resp: 5859772

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	18.0	14.1	21.1

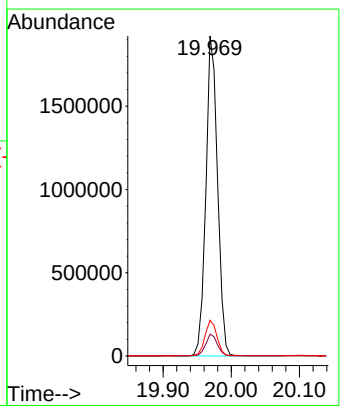


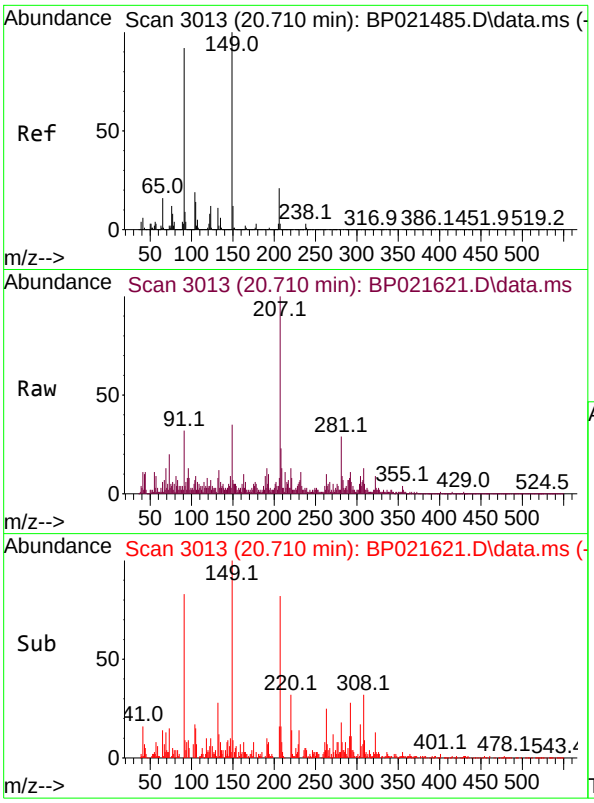


#79
Terphenyl-d14
Concen: 21.890 ng
RT: 19.969 min Scan# 2887
Delta R.T. -0.006 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Tgt Ion:244 Resp: 2284318

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	11.1	9.4	14.2



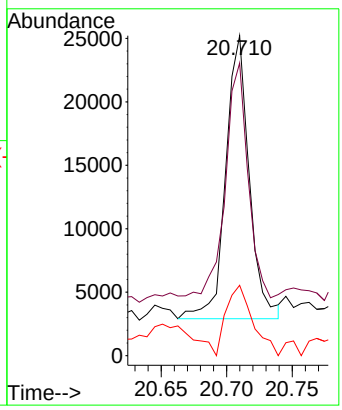


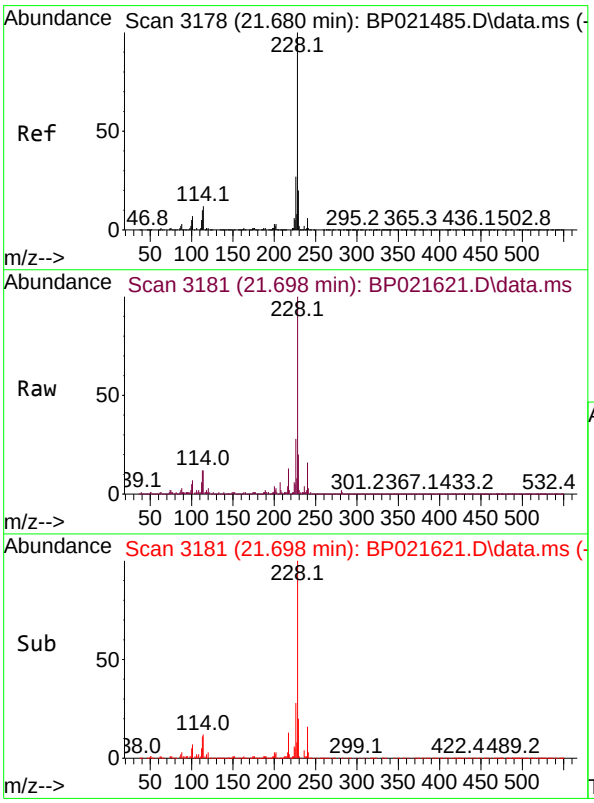
#80
Butylbenzylphthalate
Concen: 4.116 ng
RT: 20.710 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Instrument :
BNA_P
ClientSampleId :
S-903-J-SO-0-0.5-081924

Tgt Ion:149 Resp: 27904

Ion	Ratio	Lower	Upper
149	100		
91	91.5	73.3	109.9
206	22.0	17.1	25.7

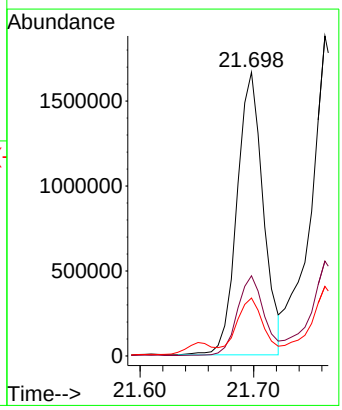


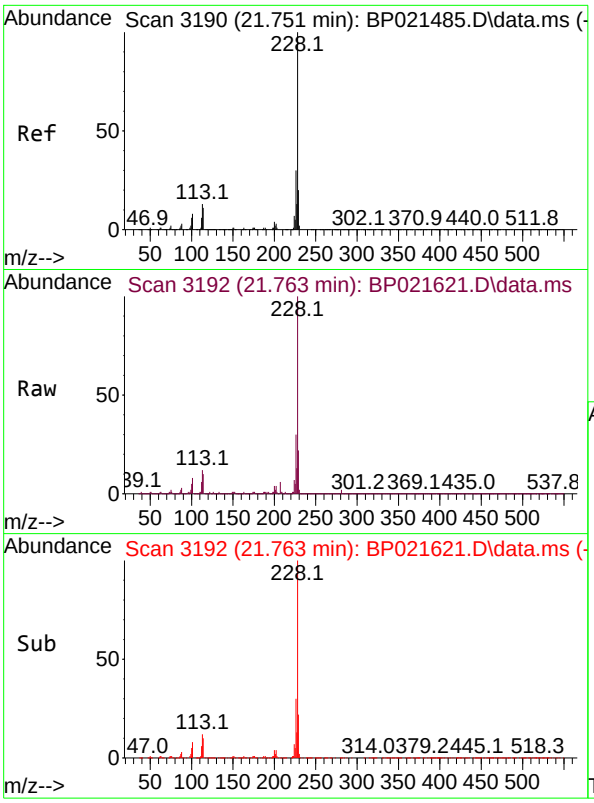


#81
Benzo(a)anthracene
Concen: 20.959 ng
RT: 21.698 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Tgt Ion:228 Resp: 2667422

Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.4	32.2
229	20.4	15.8	23.6



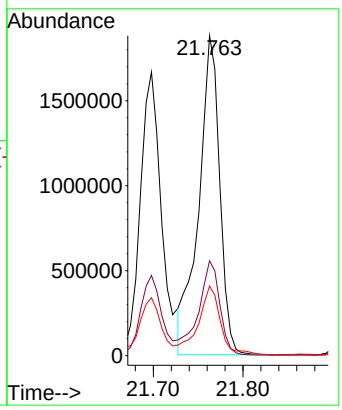


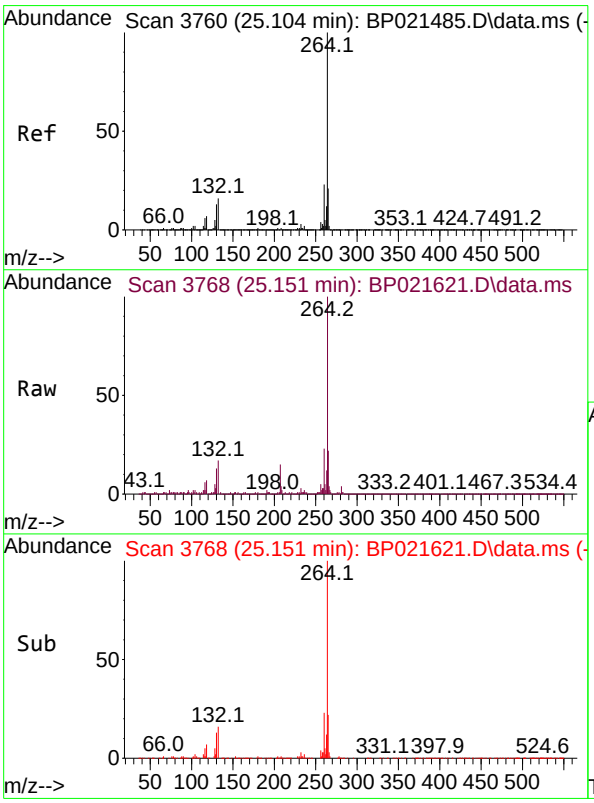
#83
Chrysene
Concen: 25.449 ng
RT: 21.763 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Instrument :
BNA_P
ClientSampleId :
S-903-J-SO-0-0.5-081924

Tgt Ion:228 Resp: 3058021

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	21.8	15.8	23.6

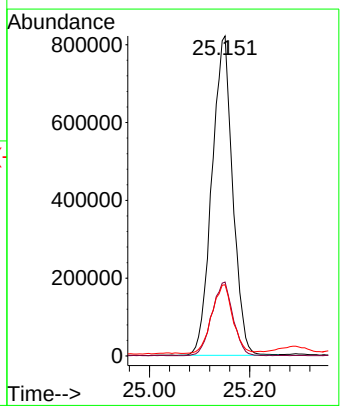


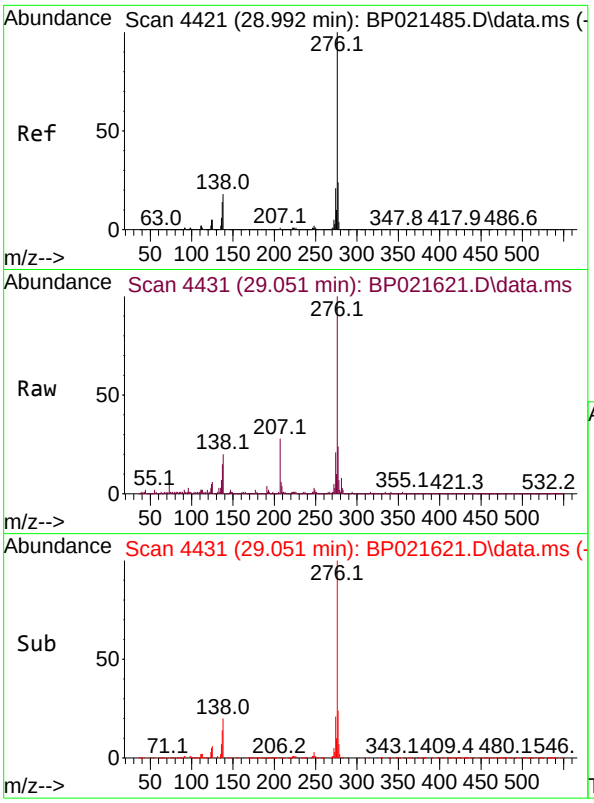


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.151 min Scan# 3768
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Tgt Ion:264 Resp: 2358797

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	22.3	17.1	25.7



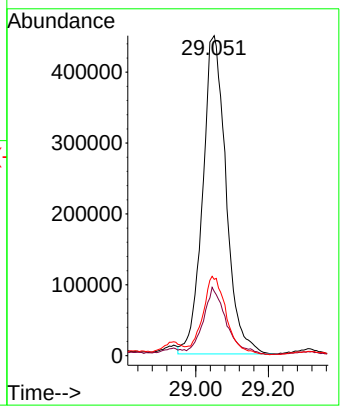


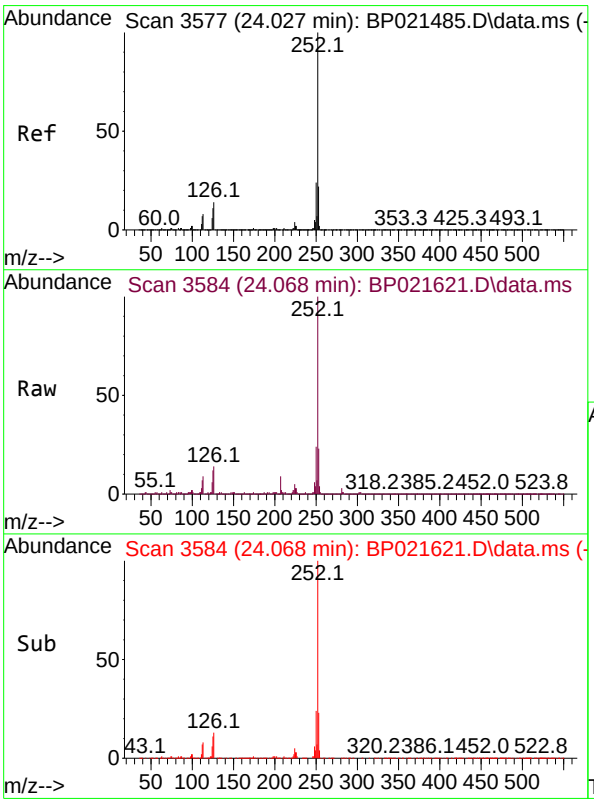
#87
Indeno(1,2,3-cd)pyrene
Concen: 13.147 ng
RT: 29.051 min Scan# 44
Delta R.T. -0.006 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Instrument :
BNA_P
ClientSampleId :
S-903-J-SO-0-0.5-081924

Tgt Ion:276 Resp: 2010108

Ion	Ratio	Lower	Upper
276	100		
138	20.7	12.8	19.2#
277	25.0	16.5	24.7#

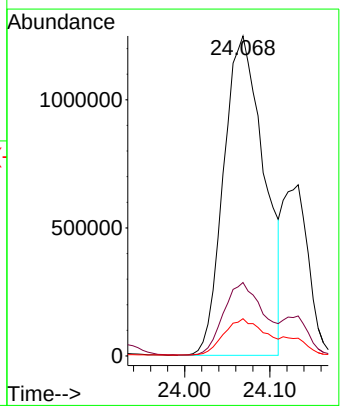


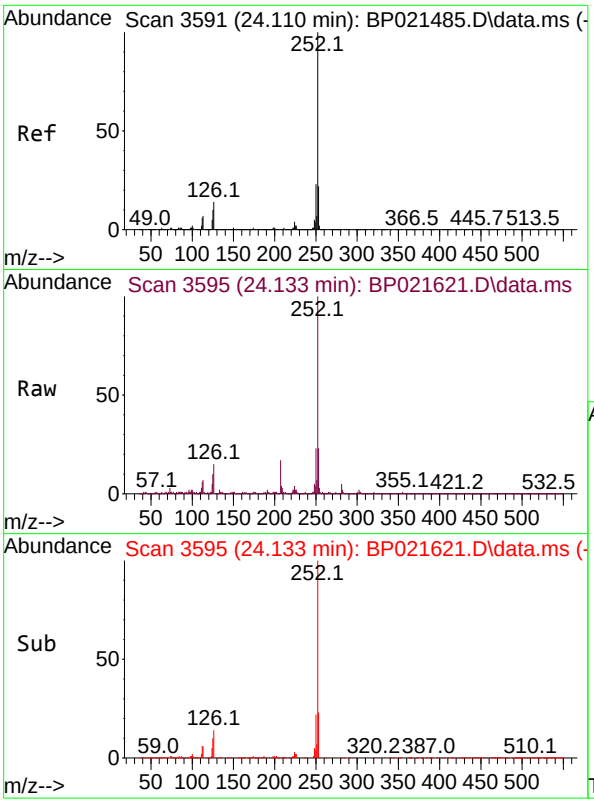


#88
Benzo(b)fluoranthene
Concen: 30.392 ng
RT: 24.068 min Scan# 3584
Delta R.T. 0.012 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Tgt Ion:252 Resp: 4117274

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	11.7	8.6	13.0



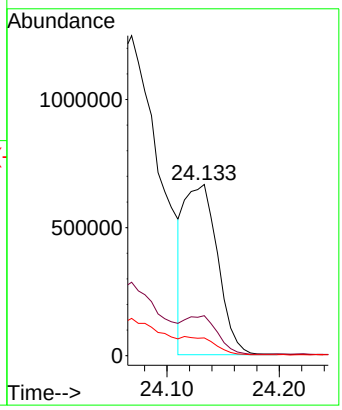


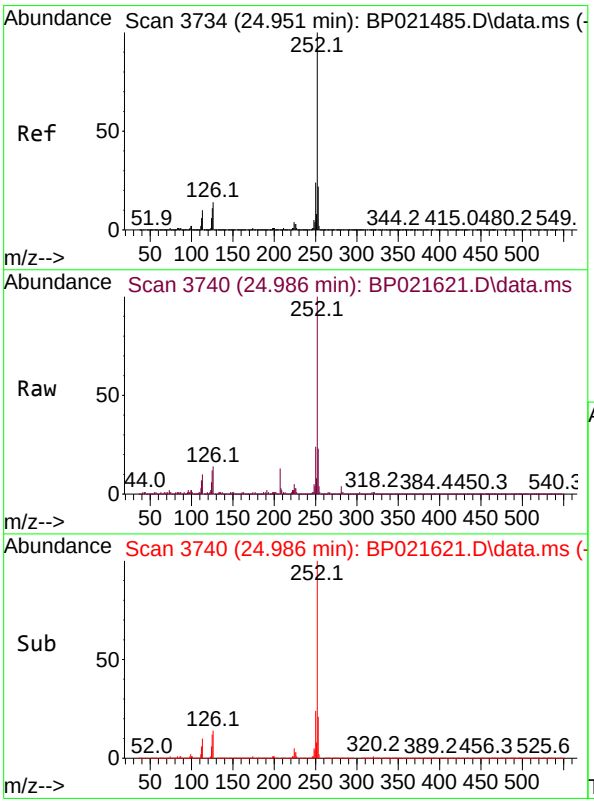
#89
Benzo(k)fluoranthene
Concen: 10.396 ng m
RT: 24.133 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Instrument :
BNA_P
ClientSampleId :
S-903-J-SO-0-0.5-081924

Tgt Ion:252 Resp: 1373839

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	10.4	7.8	11.8

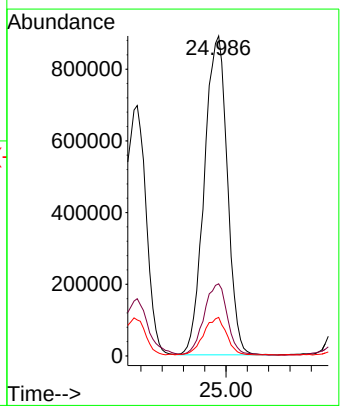


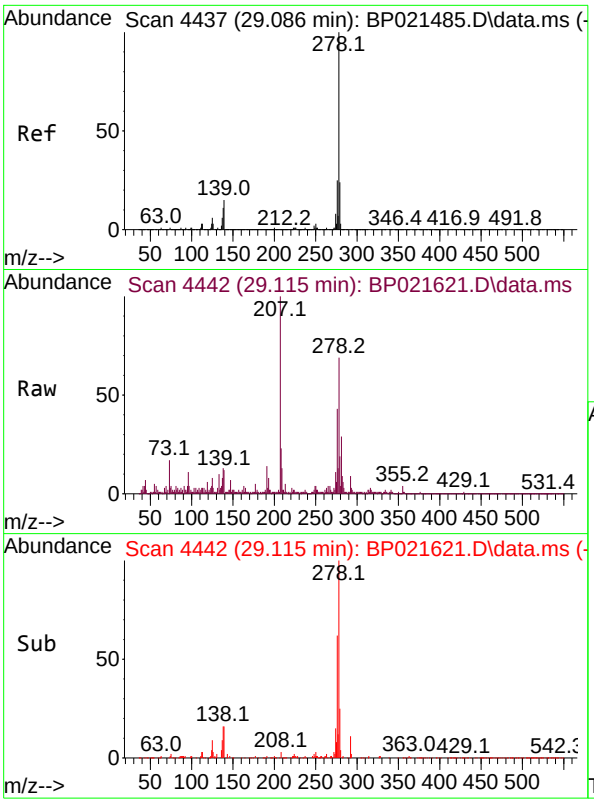


#90
Benzo(a)pyrene
Concen: 22.634 ng
RT: 24.986 min Scan# 3740
Delta R.T. 0.006 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Tgt Ion:252 Resp: 2660944

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	12.1	8.7	13.1



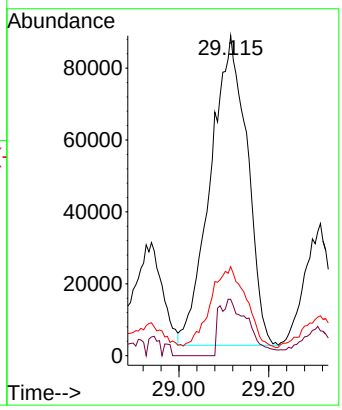


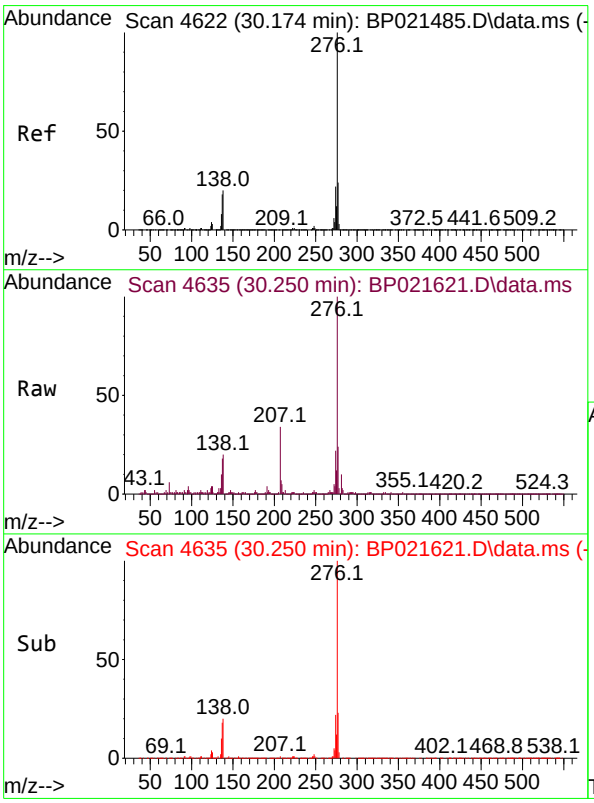
#91
Dibenzo(a,h)anthracene
Concen: 3.861 ng
RT: 29.115 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Instrument :
BNA_P
ClientSampleId :
S-903-J-SO-0-0.5-081924

Tgt Ion:278 Resp: 490549

Ion	Ratio	Lower	Upper
278	100		
139	17.6	12.2	18.4
279	27.8	19.1	28.7

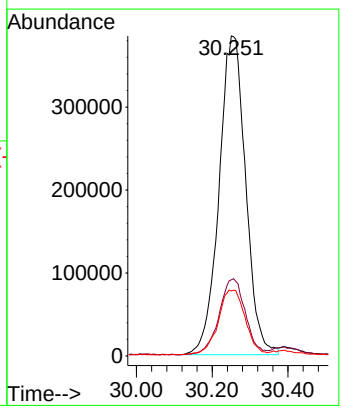




#92
Benzo(g,h,i)perylene
Concen: 14.729 ng
RT: 30.250 min Scan# 4635
Delta R.T. -0.012 min
Lab File: BP021621.D
Acq: 22 Aug 2024 20:06

Tgt Ion:276 Resp: 1875557

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	20.3	16.0	24.0



Raw Data: **BF139135.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-903-J-SO-0.5-1.0-081924	SDG No.:	P3671
Lab Sample ID:	P3671-12	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.8
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139135.D	1	08/21/24 08:50	08/22/24 21:20	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	93.1	U	93.1	200	ug/Kg
100-52-7	Benzaldehyde	210	U	210	380	ug/Kg
95-48-7	2-Methylphenol	93.9	U	93.9	200	ug/Kg
65794-96-9	3+4-Methylphenols	93.0	U	93.0	380	ug/Kg
67-72-1	Hexachloroethane	96.7	U	96.7	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	200	ug/Kg
91-20-3	Naphthalene	96.2	U	96.2	200	ug/Kg
87-68-3	Hexachlorobutadiene	97.1	U	97.1	200	ug/Kg
91-57-6	2-Methylnaphthalene	96.1	U	96.1	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	83.2	U	83.2	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	86.2	U	86.2	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	200	ug/Kg
83-32-9	Acenaphthene	94.5	U	94.5	200	ug/Kg
132-64-9	Dibenzofuran	98.3	U	98.3	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	200	ug/Kg
86-73-7	Fluorene	99.6	U	99.6	200	ug/Kg
118-74-1	Hexachlorobenzene	99.0	U	99.0	200	ug/Kg
87-86-5	Pentachlorophenol	90.1	U	90.1	380	ug/Kg
85-01-8	Phenanthrene	230		97.9	200	ug/Kg
120-12-7	Anthracene	98.3	U	98.3	200	ug/Kg
86-74-8	Carbazole	93.6	U	93.6	200	ug/Kg
84-74-2	Di-n-butylphthalate	98.2	U	98.2	200	ug/Kg
206-44-0	Fluoranthene	510		95.2	200	ug/Kg
129-00-0	Pyrene	360		96.7	200	ug/Kg
56-55-3	Benzo(a)anthracene	190	J	94.0	200	ug/Kg
218-01-9	Chrysene	210		92.6	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	250		94.5	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	J	96.2	200	ug/Kg

Raw Data: **BF139135.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-903-J-SO-0.5-1.0-081924	SDG No.:	P3671
Lab Sample ID:	P3671-12	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.8
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139135.D	1	08/21/24 08:50	08/22/24 21:20	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
50-32-8	Benzo(a)pyrene	200		110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	J	91.0	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	94.6	U	94.6	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	220		93.3	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	200	ug/Kg
90-12-0	1-Methylnaphthalene	96.9	U	96.9	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	97.6		30 (18) - 130 (112)	65%	SPK: 150
13127-88-3	Phenol-d6	96.1		30 (15) - 130 (107)	64%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.0		30 (18) - 130 (107)	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.5		30 (20) - 130 (109)	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	114		30 (10) - 130 (116)	76%	SPK: 150
1718-51-0	Terphenyl-d14	63.1		30 (10) - 130 (105)	63%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	85200	6.898			
1146-65-2	Naphthalene-d8	280000	8.181			
15067-26-2	Acenaphthene-d10	127000	9.934			
1517-22-2	Phenanthrene-d10	218000	11.416			
1719-03-5	Chrysene-d12	158000	14.057			
1520-96-3	Perylene-d12	125000	15.533			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **BF139135.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139135.D
Acq On : 22 Aug 2024 21:20
Operator : RC/JU
Sample : P3671-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

Quant Time: Aug 23 00:37:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

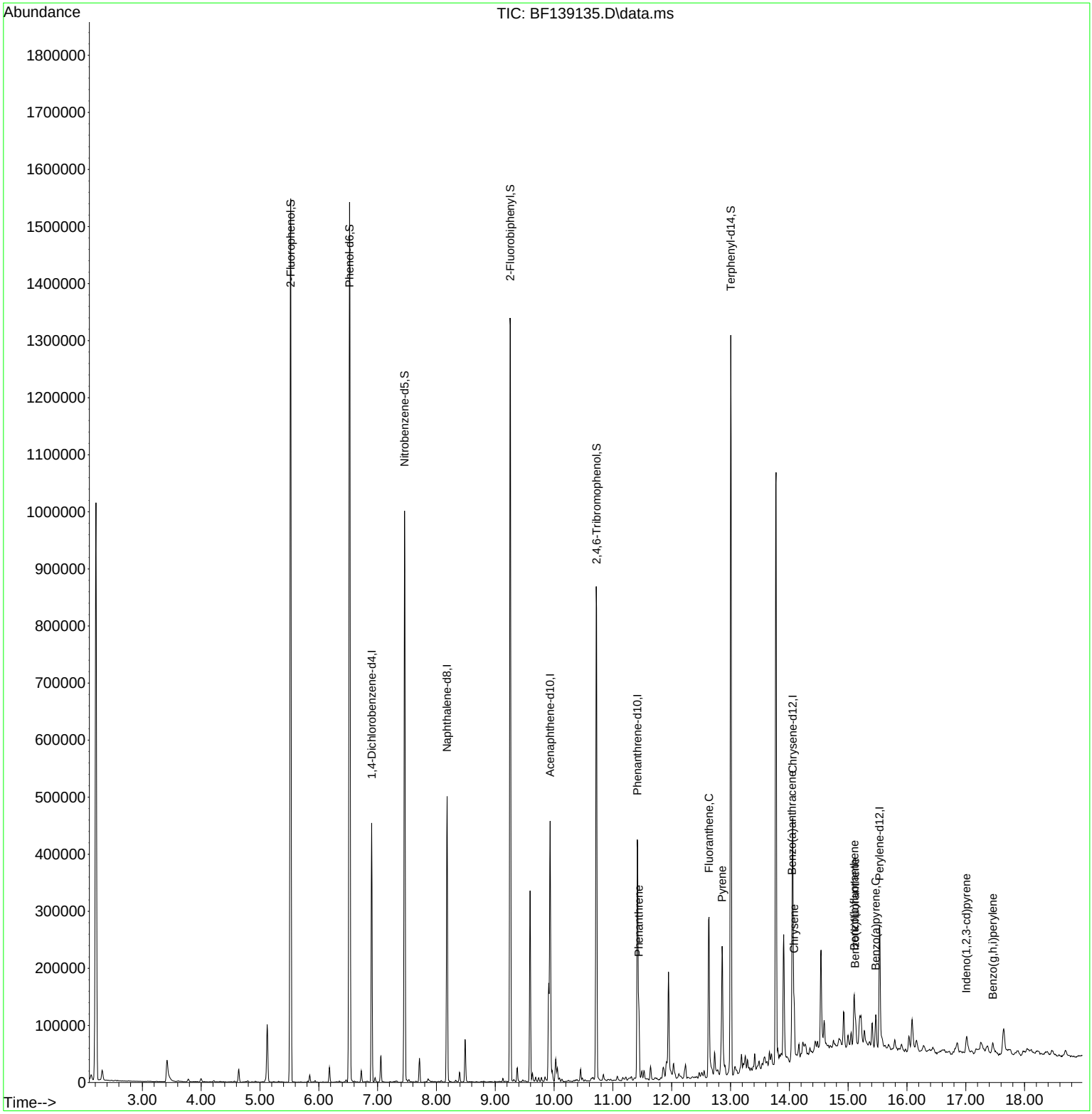
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	85247	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	279964	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	126845	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	218265	20.000	ng	0.00
76) Chrysene-d12	14.057	240	157920	20.000	ng	0.00
86) Perylene-d12	15.533	264	125372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	540599	97.566	ng	0.01
7) Phenol-d6	6.522	99	687826	96.072	ng	0.00
23) Nitrobenzene-d5	7.457	82	437128	90.981	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	130430	113.584	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	571922	71.537	ng	0.00
79) Terphenyl-d14	13.004	244	600234	63.068	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	64466	5.811	ng	99
75) Fluoranthene	12.633	202	154930	13.084	ng	99
78) Pyrene	12.857	202	121881	9.248	ng	98
81) Benzo(a)anthracene	14.045	228	51485	4.960	ng	96
83) Chrysene	14.080	228	51238	5.445	ng	98
87) Indeno(1,2,3-cd)pyrene	17.010	276	21252	2.896	ng	97
88) Benzo(b)fluoranthene	15.104	252	52814m	6.462	ng	
89) Benzo(k)fluoranthene	15.116	252	22013m	3.234	ng	
90) Benzo(a)pyrene	15.468	252	33236	5.146	ng	96
92) Benzo(g,h,i)perylene	17.462	276	20818	5.644	ng	97

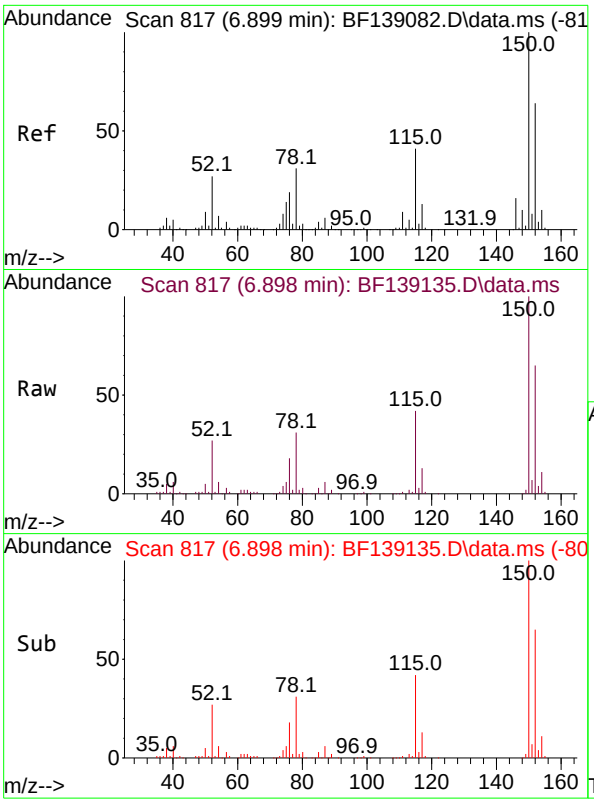
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139135.D
Acq On : 22 Aug 2024 21:20
Operator : RC/JU
Sample : P3671-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

Quant Time: Aug 23 00:37:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration



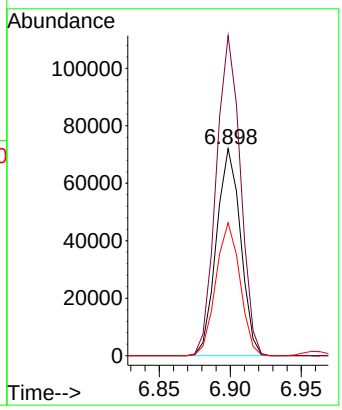


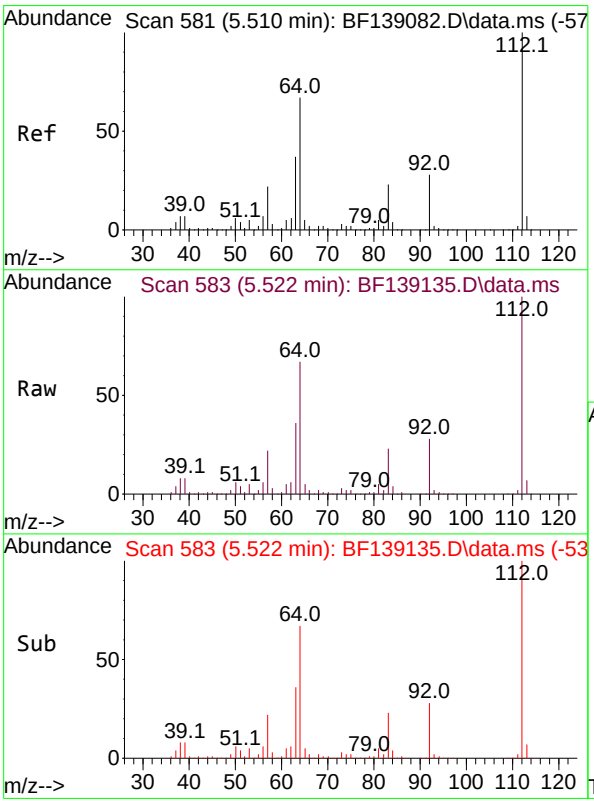
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

Tgt Ion:152 Resp: 85247

Ion	Ratio	Lower	Upper
152	100		
150	154.6	125.1	187.7
115	64.2	51.8	77.6

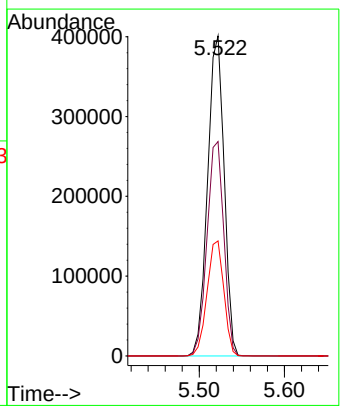


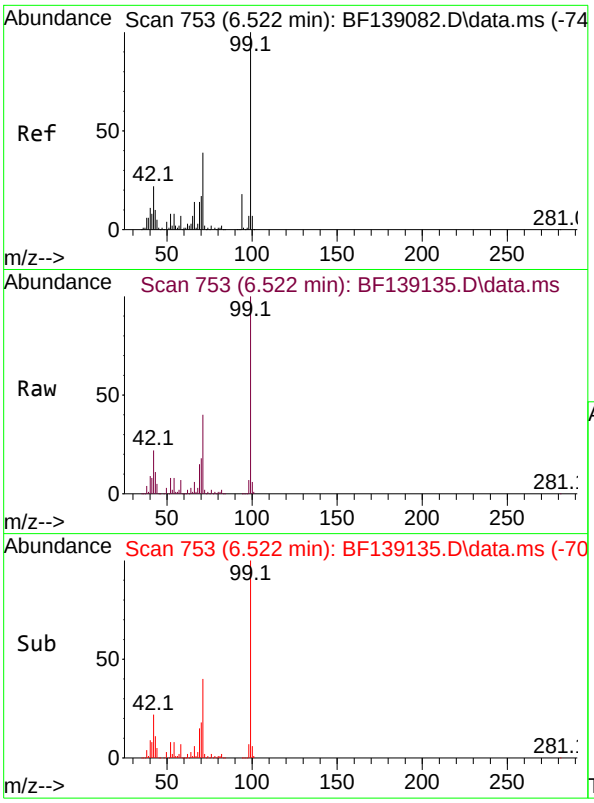


#5
2-Fluorophenol
Concen: 97.566 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.012 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:112 Resp: 540599

Ion	Ratio	Lower	Upper
112	100		
64	67.0	53.8	80.6
63	35.9	29.4	44.2



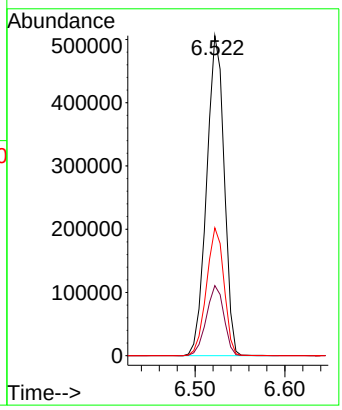


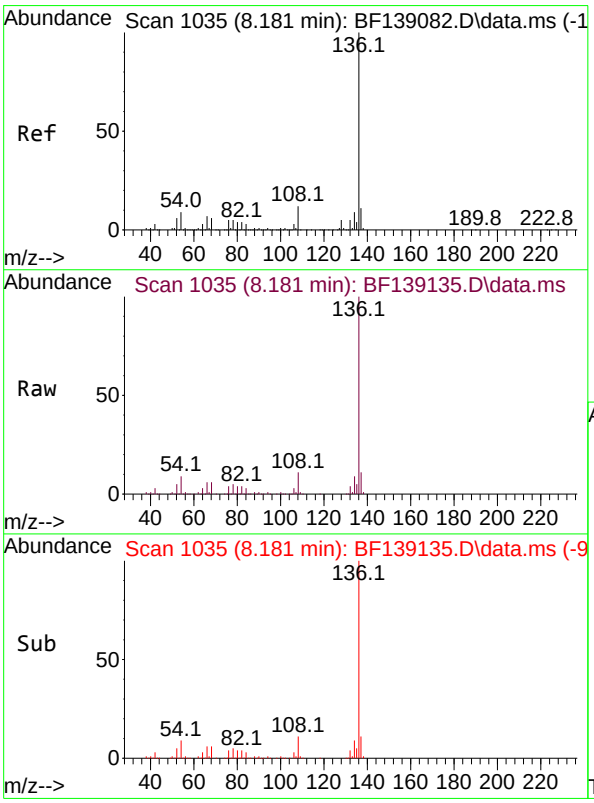
#7
Phenol-d6
Concen: 96.072 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

Tgt Ion: 99 Resp: 687826

Ion	Ratio	Lower	Upper
99	100		
42	21.9	17.4	26.2
71	40.0	31.2	46.8

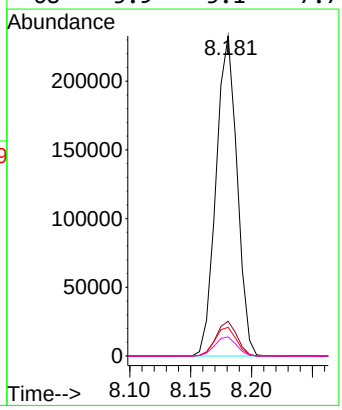


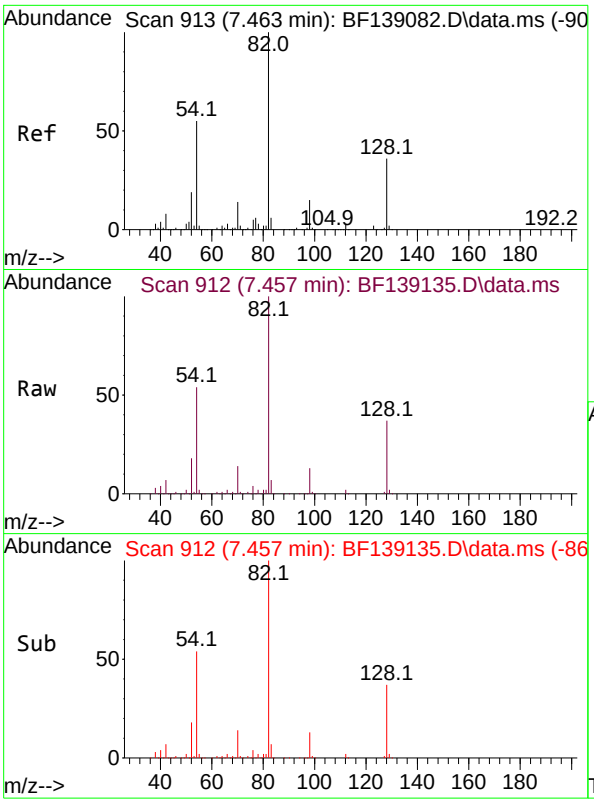


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:136 Resp: 279964

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.0	7.6	11.4
68	5.9	5.1	7.7



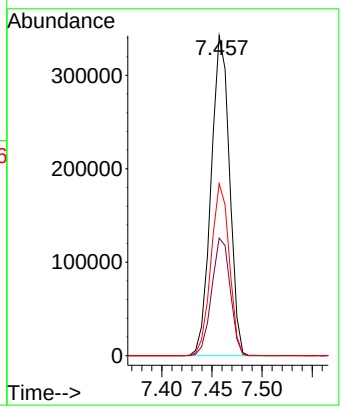


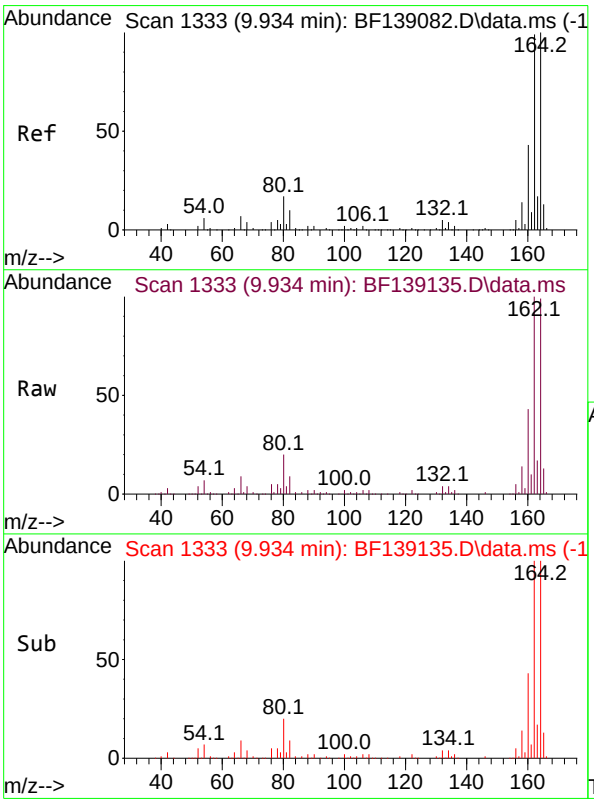
#23
Nitrobenzene-d5
Concen: 90.981 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

Tgt Ion: 82 Resp: 437128

Ion	Ratio	Lower	Upper
82	100		
128	36.7	29.0	43.4
54	53.8	43.4	65.2

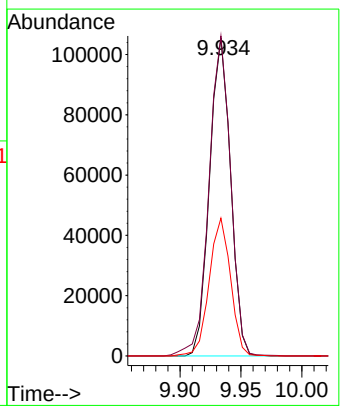


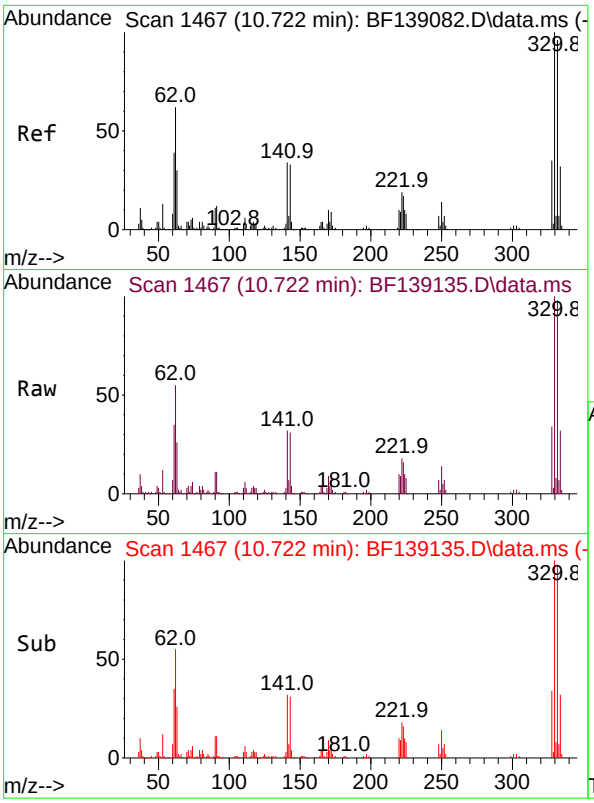


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:164 Resp: 126845

Ion	Ratio	Lower	Upper
164	100		
162	100.6	79.5	119.3
160	43.3	34.5	51.7



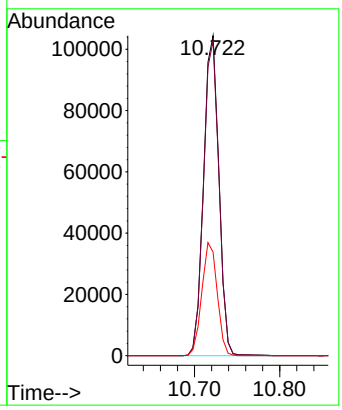


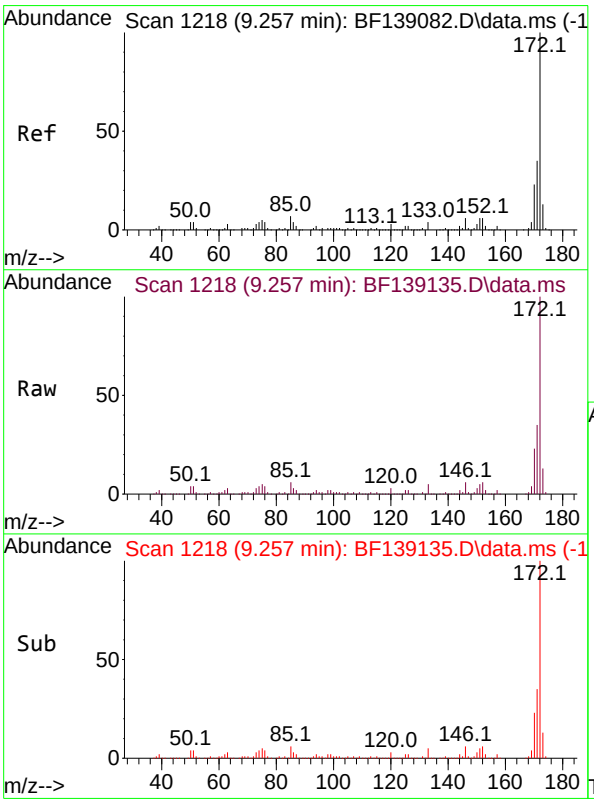
#42
2,4,6-Tribromophenol
Concen: 113.584 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

Tgt Ion:330 Resp: 130430

Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.0	115.6
141	35.4	27.5	41.3

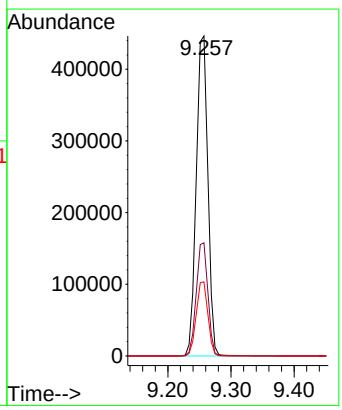


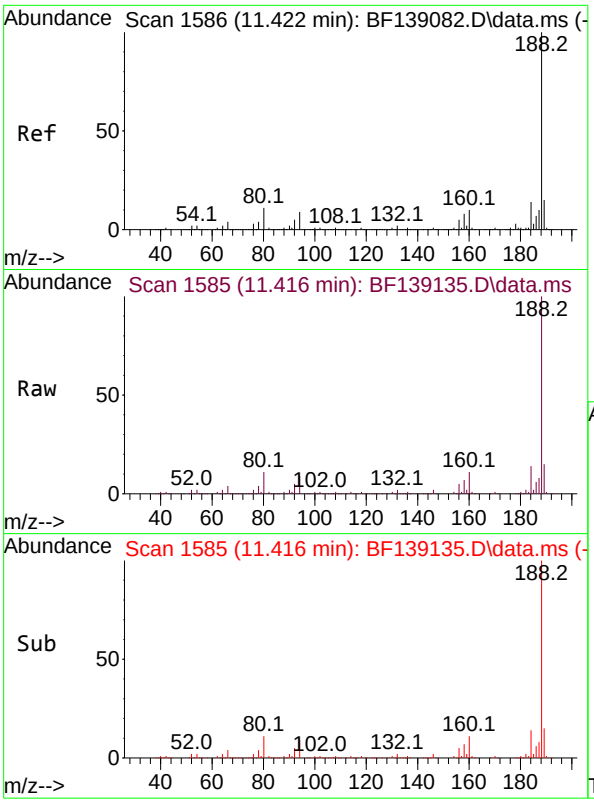


#45
2-Fluorobiphenyl
Concen: 71.537 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:172 Resp: 571922

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.4	42.6
170	23.1	18.8	28.2



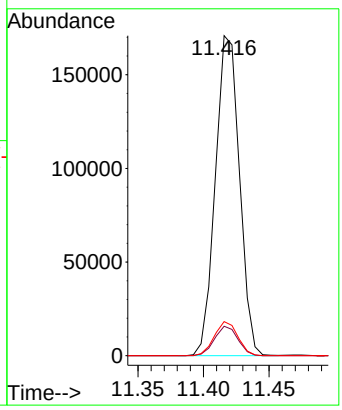


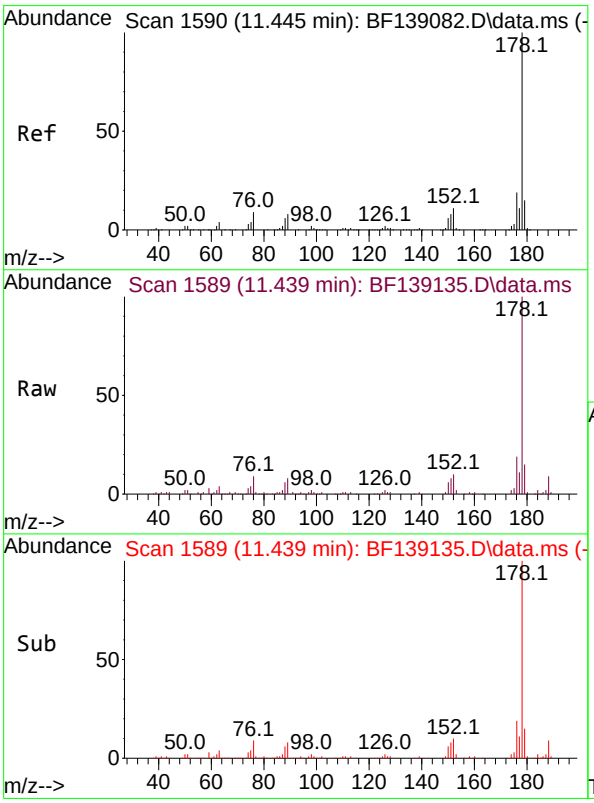
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

Tgt Ion:188 Resp: 218265

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	10.7	8.5	12.7

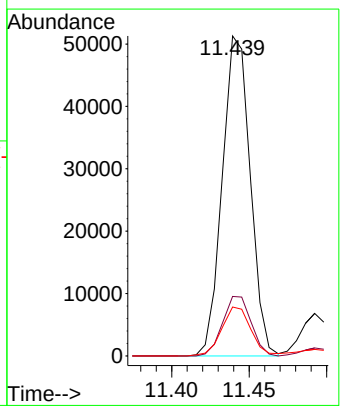


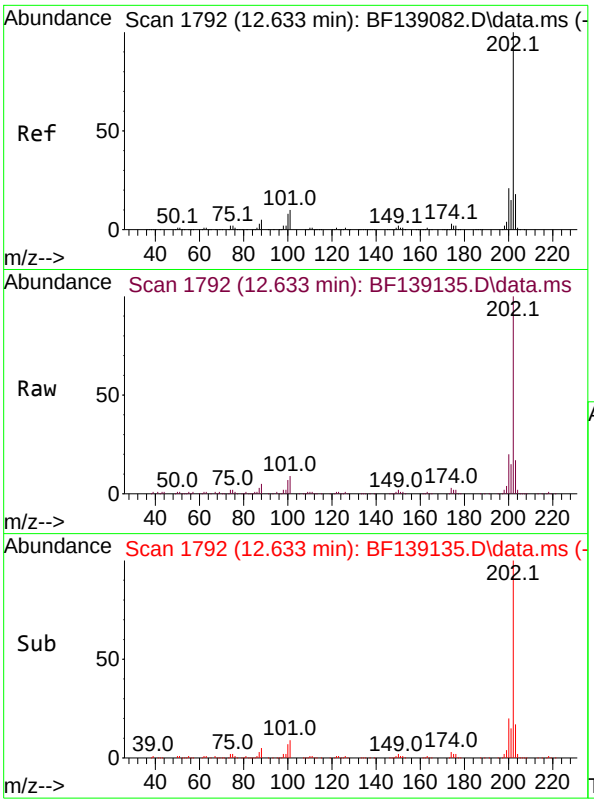


#71
Phenanthrene
Concen: 5.811 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:178 Resp: 64466

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.3	12.3	18.5



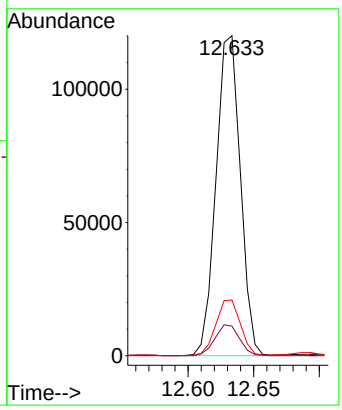


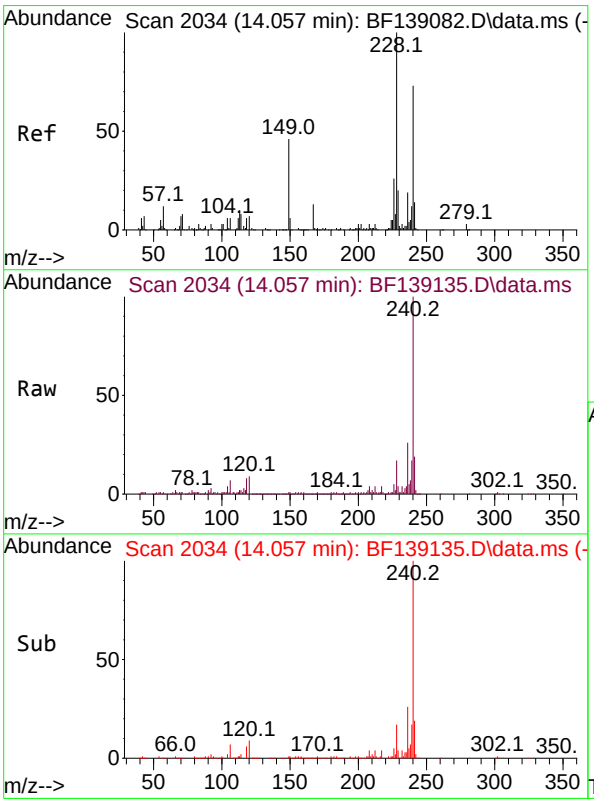
#75
Fluoranthene
Concen: 13.084 ng
RT: 12.633 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

Tgt Ion:202 Resp: 154930

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	30.2
203	17.4	0.0	37.6

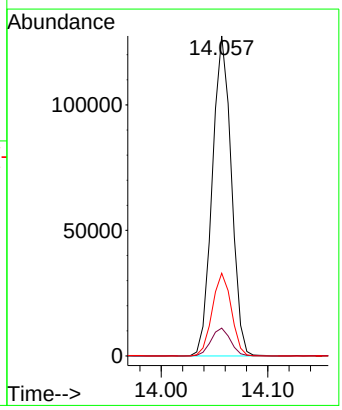


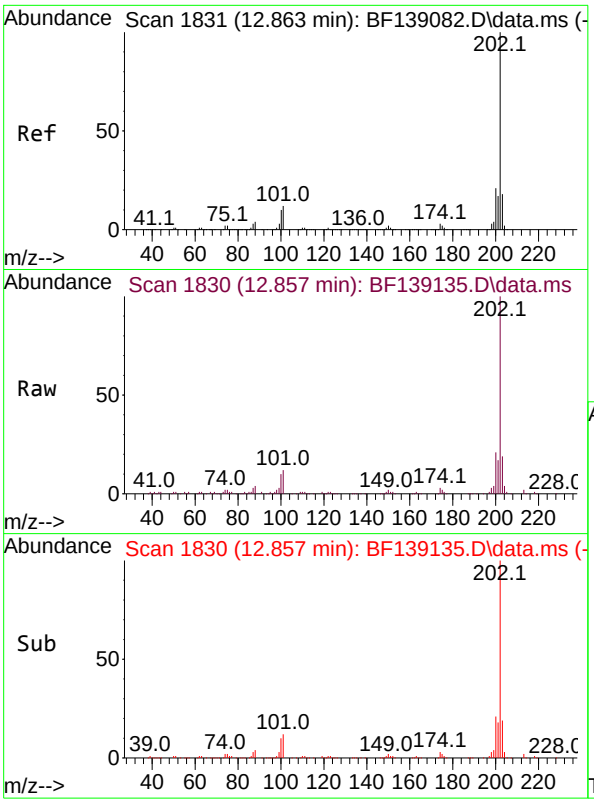


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:240 Resp: 157920

Ion	Ratio	Lower	Upper
240	100		
120	8.7	7.8	11.6
236	25.9	20.9	31.3



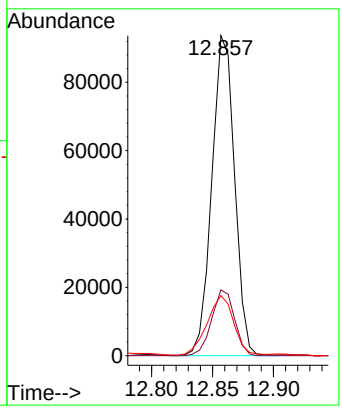


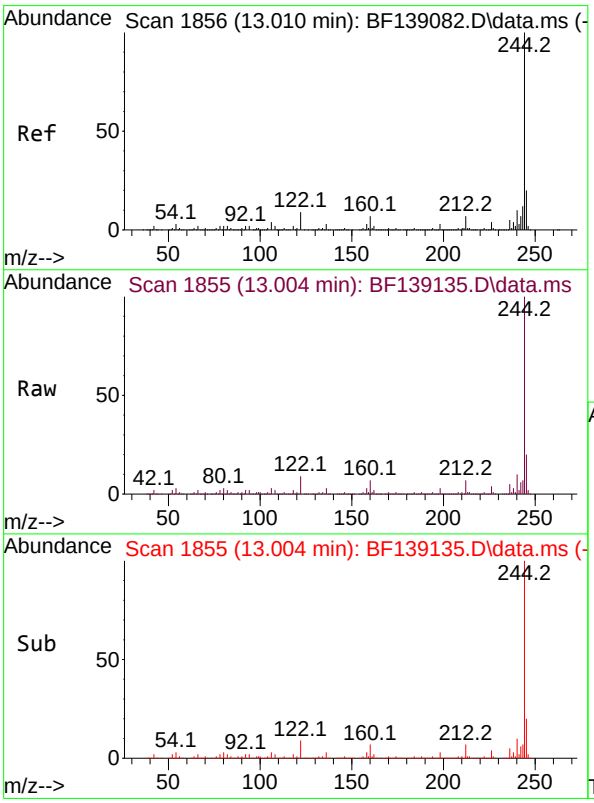
#78
Pyrene
Concen: 9.248 ng
RT: 12.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

Tgt Ion:202 Resp: 121881

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.0	25.6
203	18.8	14.1	21.1

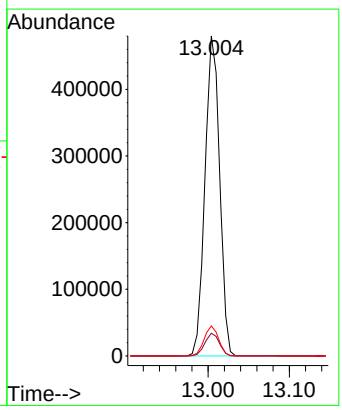


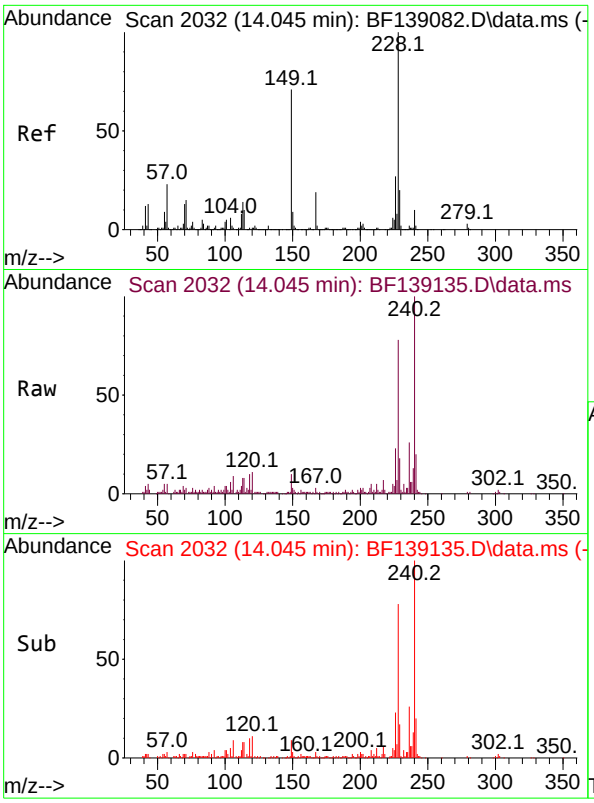


#79
Terphenyl-d14
Concen: 63.068 ng
RT: 13.004 min Scan# 1855
Delta R.T. -0.006 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:244 Resp: 600234

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	9.4	7.6	11.4



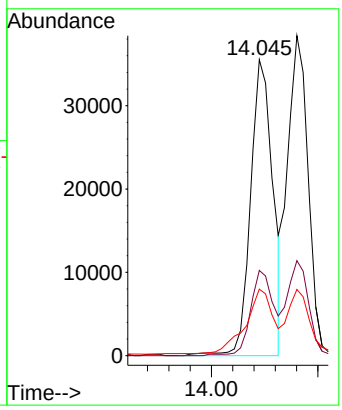


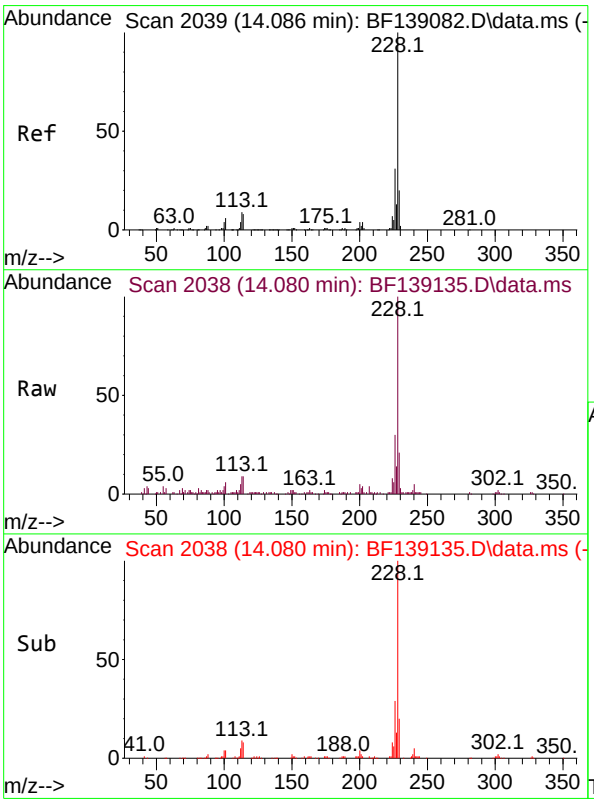
#81
Benzo(a)anthracene
Concen: 4.960 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

Tgt Ion:228 Resp: 51485

Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.9	32.9
229	22.5	16.1	24.1

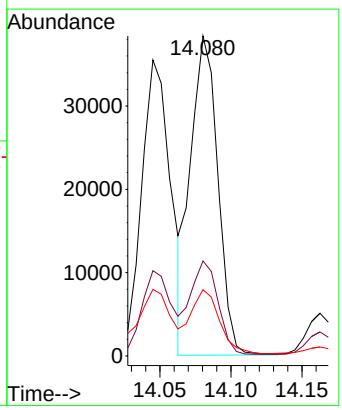


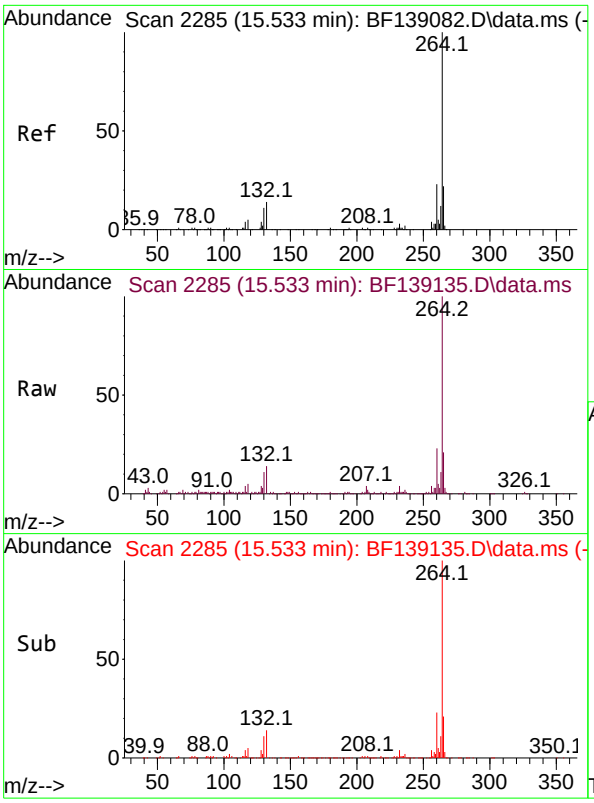


#83
Chrysene
Concen: 5.445 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:228 Resp: 51238

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.3	36.5
229	20.7	15.8	23.8



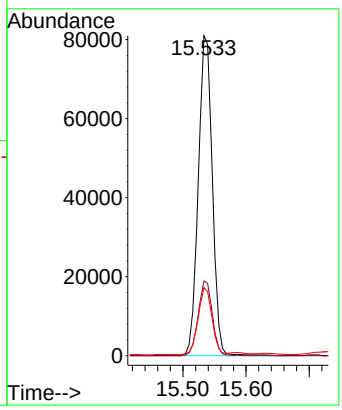


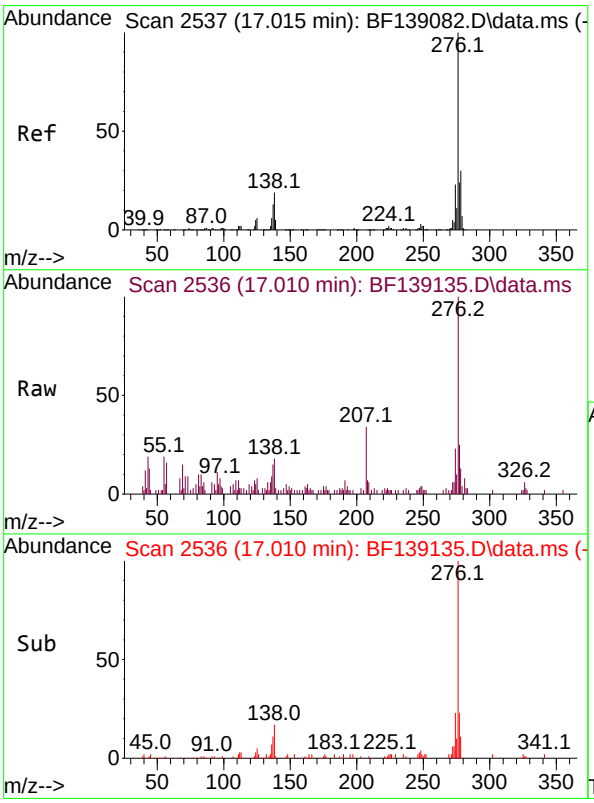
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

Tgt Ion:264 Resp: 125372

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.2	17.4	26.2

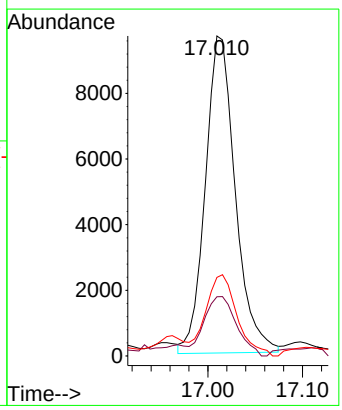


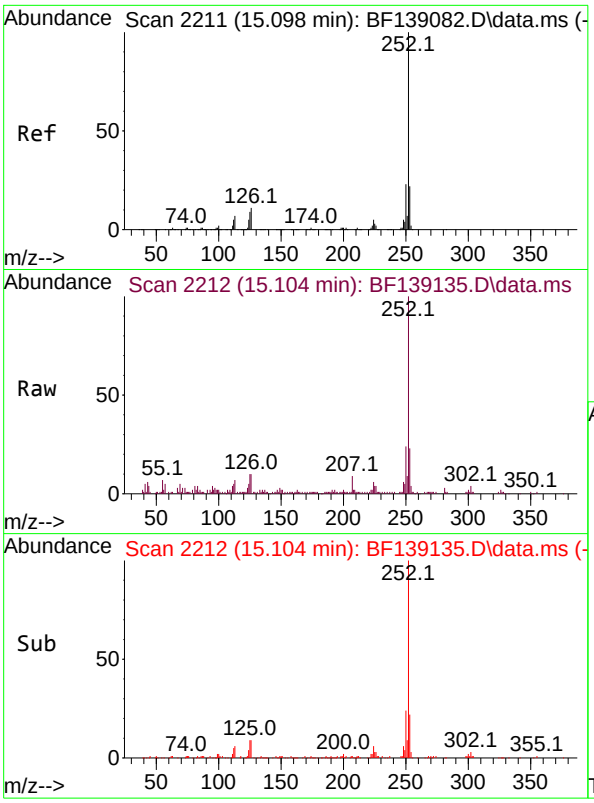


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.896 ng
RT: 17.010 min Scan# 2536
Delta R.T. -0.006 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:276 Resp: 21252

Ion	Ratio	Lower	Upper
276	100		
138	20.1	17.3	25.9
277	26.5	20.2	30.4



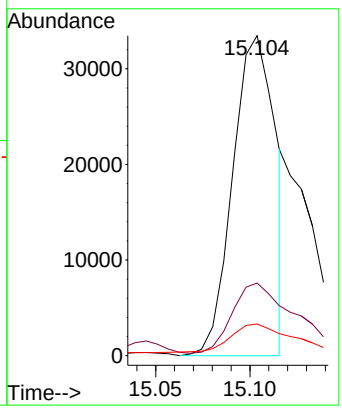


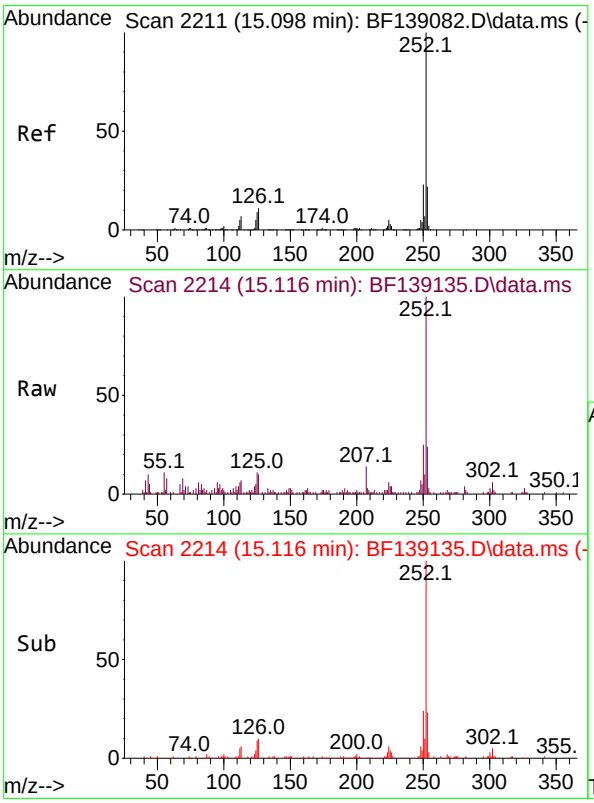
#88
Benzo(b)fluoranthene
Concen: 6.462 ng m
RT: 15.104 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

Tgt Ion:252 Resp: 52814

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	9.9	7.0	10.6

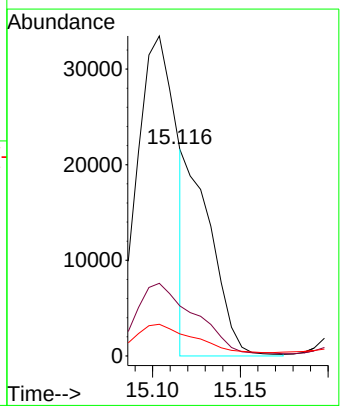


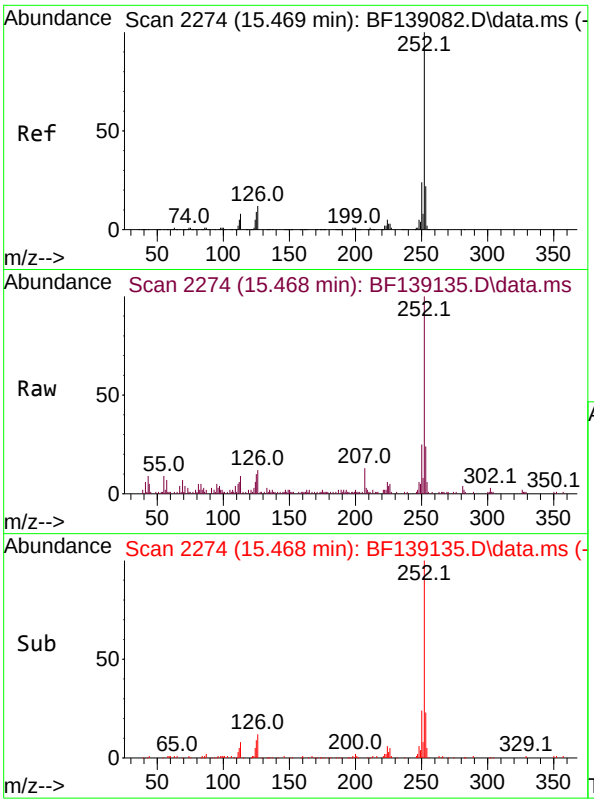


#89
Benzo(k)fluoranthene
Concen: 3.234 ng m
RT: 15.116 min Scan# 2214
Delta R.T. -0.018 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:252 Resp: 22013

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.2
125	10.6	7.0	10.6#



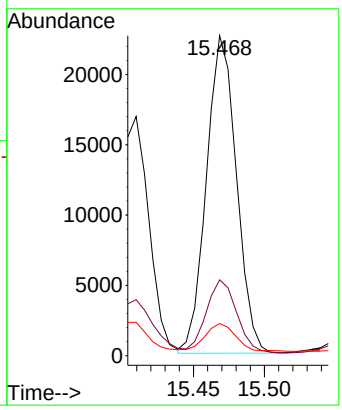


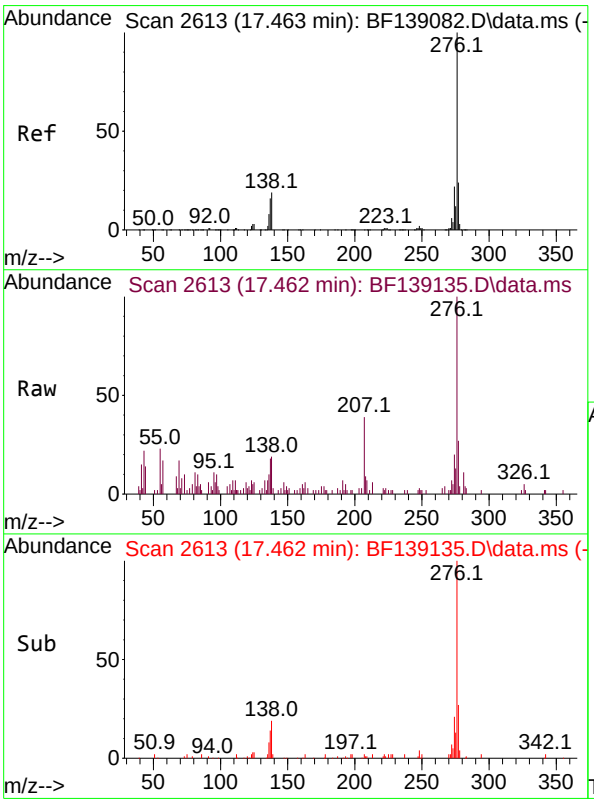
#90
Benzo(a)pyrene
Concen: 5.146 ng
RT: 15.468 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

Tgt Ion:252 Resp: 33236

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.3	25.9
125	10.1	7.4	11.2

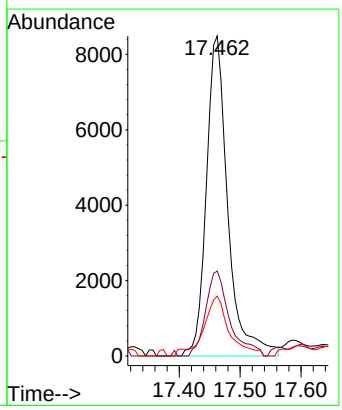




#92
Benzo(g,h,i)perylene
Concen: 5.644 ng
RT: 17.462 min Scan# 2613
Delta R.T. -0.001 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:276 Resp: 20818

Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.8	28.2
138	18.7	15.0	22.4



Raw Data: **BM047316.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-912-J-SO-0-0.5-081924	SDG No.:	P3671
Lab Sample ID:	P3671-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	30.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047316.D	1	08/21/24 08:50	08/22/24 14:31	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	260	U	260	550	ug/Kg
100-52-7	Benzaldehyde	590	U	590	1100	ug/Kg
95-48-7	2-Methylphenol	260	U	260	550	ug/Kg
65794-96-9	3+4-Methylphenols	260	U	260	1100	ug/Kg
67-72-1	Hexachloroethane	270	U	270	550	ug/Kg
98-95-3	Nitrobenzene	300	U	300	550	ug/Kg
91-20-3	Naphthalene	270	U	270	550	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	270	550	ug/Kg
91-57-6	2-Methylnaphthalene	270	U	270	550	ug/Kg
88-06-2	2,4,6-Trichlorophenol	230	U	230	550	ug/Kg
95-95-4	2,4,5-Trichlorophenol	240	U	240	550	ug/Kg
208-96-8	Acenaphthylene	280	U	280	550	ug/Kg
83-32-9	Acenaphthene	260	U	260	550	ug/Kg
132-64-9	Dibenzofuran	270	U	270	550	ug/Kg
121-14-2	2,4-Dinitrotoluene	280	U	280	550	ug/Kg
86-73-7	Fluorene	280	U	280	550	ug/Kg
118-74-1	Hexachlorobenzene	280	U	280	550	ug/Kg
87-86-5	Pentachlorophenol	250	U	250	1100	ug/Kg
85-01-8	Phenanthrene	270	U	270	550	ug/Kg
120-12-7	Anthracene	270	U	270	550	ug/Kg
86-74-8	Carbazole	260	U	260	550	ug/Kg
84-74-2	Di-n-butylphthalate	270	U	270	550	ug/Kg
206-44-0	Fluoranthene	270	U	270	550	ug/Kg
129-00-0	Pyrene	270	U	270	550	ug/Kg
56-55-3	Benzo(a)anthracene	260	U	260	550	ug/Kg
218-01-9	Chrysene	260	U	260	550	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	300	U	300	550	ug/Kg
205-99-2	Benzo(b)fluoranthene	260	U	260	550	ug/Kg
207-08-9	Benzo(k)fluoranthene	270	U	270	550	ug/Kg

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-912-J-SO-0-0.5-081924	SDG No.:	P3671
Lab Sample ID:	P3671-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	30.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047316.D	1	08/21/24 08:50	08/22/24 14:31	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
50-32-8	Benzo(a)pyrene	300	U	300	550	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	250	550	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	260	U	260	550	ug/Kg
191-24-2	Benzo(g,h,i)perylene	260	U	260	550	ug/Kg
123-91-1	1,4-Dioxane	360	U	360	550	ug/Kg
90-12-0	1-Methylnaphthalene	270	U	270	550	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	77.8		30 (18) - 130 (112)	52%	SPK: 150
13127-88-3	Phenol-d6	75.0		30 (15) - 130 (107)	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.4		30 (18) - 130 (107)	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	36.8		30 (20) - 130 (109)	37%	SPK: 100
118-79-6	2,4,6-Tribromophenol	70.5		30 (10) - 130 (116)	47%	SPK: 150
1718-51-0	Terphenyl-d14	30.7		30 (10) - 130 (105)	31%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	256000	7.351			
1146-65-2	Naphthalene-d8	983000	10.104			
15067-26-2	Acenaphthene-d10	648000	14.01			
1517-22-2	Phenanthrene-d10	1390000	16.774			
1719-03-5	Chrysene-d12	1290000	21.015			
1520-96-3	Perylene-d12	1320000	23.709			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047316.D
Acq On : 22 Aug 2024 14:31
Operator : RC/JU
Sample : P3671-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-912-J-SO-0-0.5-081924

Quant Time: Aug 22 15:18:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

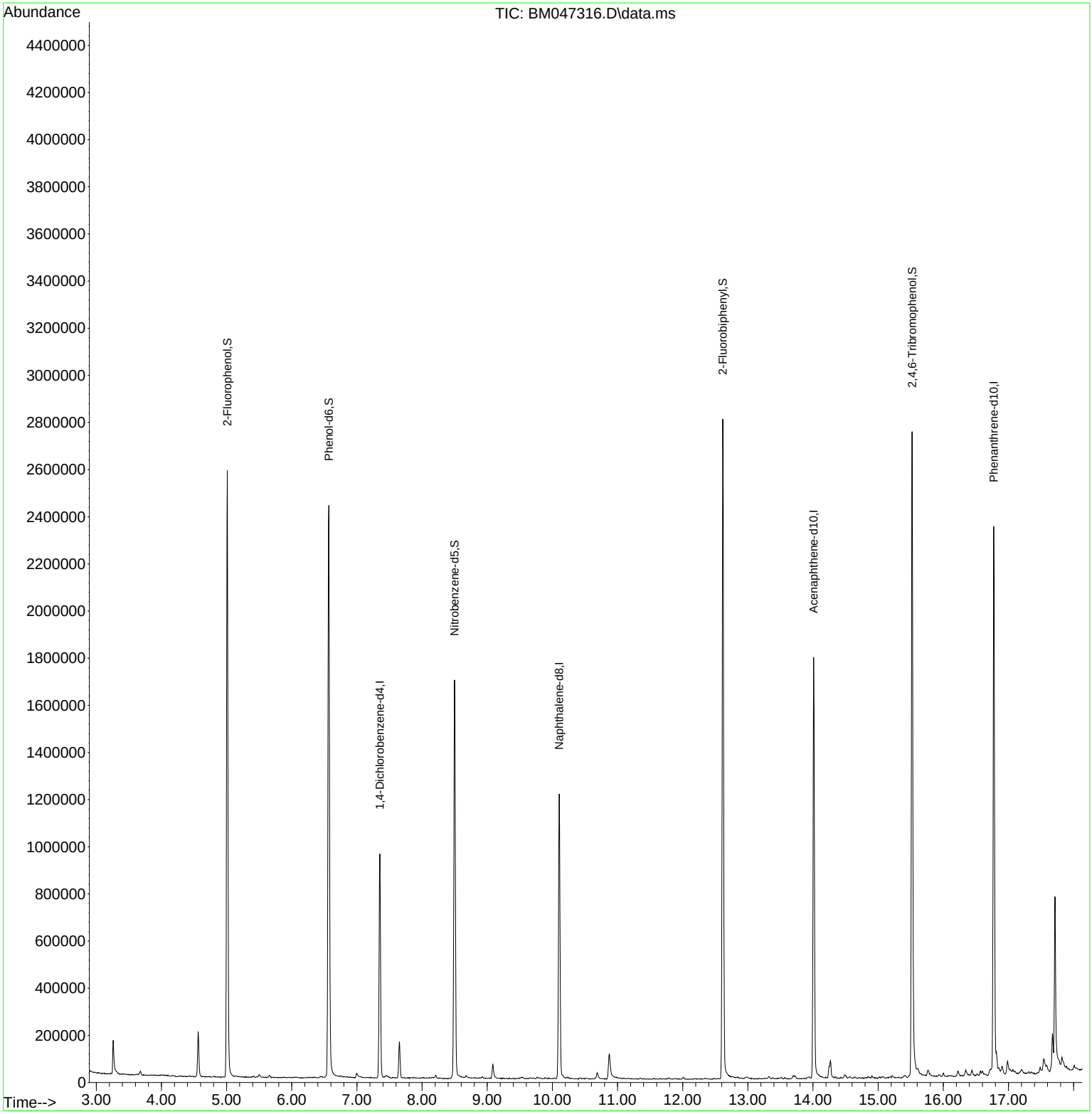
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	255981	20.000	ng	-0.02
21) Naphthalene-d8	10.104	136	983498	20.000	ng	-0.03
39) Acenaphthene-d10	14.010	164	648299	20.000	ng	-0.02
64) Phenanthrene-d10	16.774	188	1386420	20.000	ng	-0.02
76) Chrysene-d12	21.015	240	1285465	20.000	ng	-0.02
86) Perylene-d12	23.709	264	1323018	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1114910	77.825	ng	-0.01
7) Phenol-d6	6.569	99	1480299	74.990	ng	-0.02
23) Nitrobenzene-d5	8.498	82	1003954	51.401	ng	-0.02
42) 2,4,6-Tribromophenol	15.521	330	529801	70.479	ng	-0.02
45) 2-Fluorobiphenyl	12.616	172	1547565	36.822	ng	-0.03
79) Terphenyl-d14	19.439	244	1843481	30.729	ng	-0.02
Target Compounds						Qvalue
75) Fluoranthene	18.857	202	92240	1.090	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047316.D
Acq On : 22 Aug 2024 14:31
Operator : RC/JU
Sample : P3671-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-912-J-SO-0-0.5-081924

Quant Time: Aug 22 15:18:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

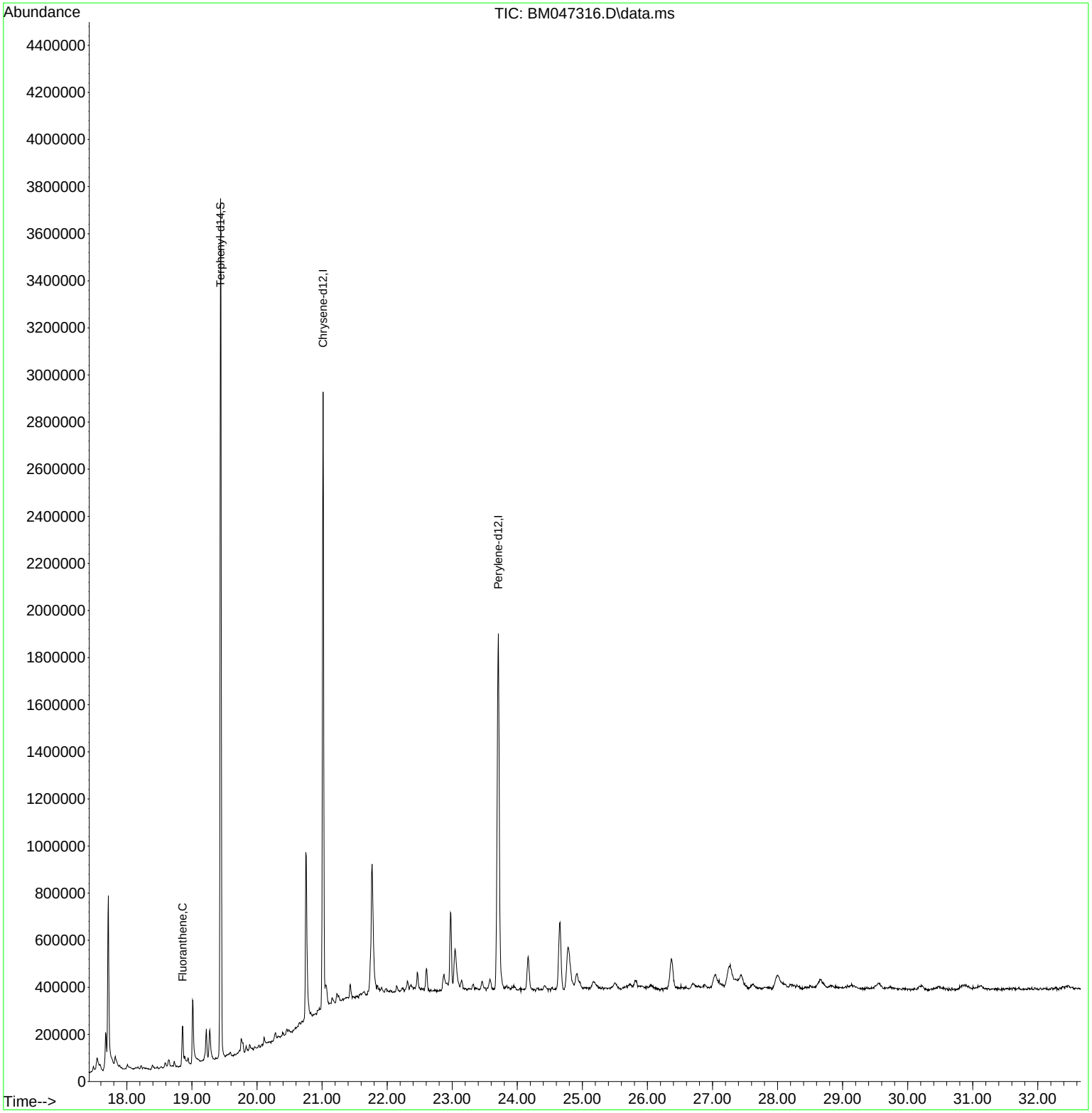


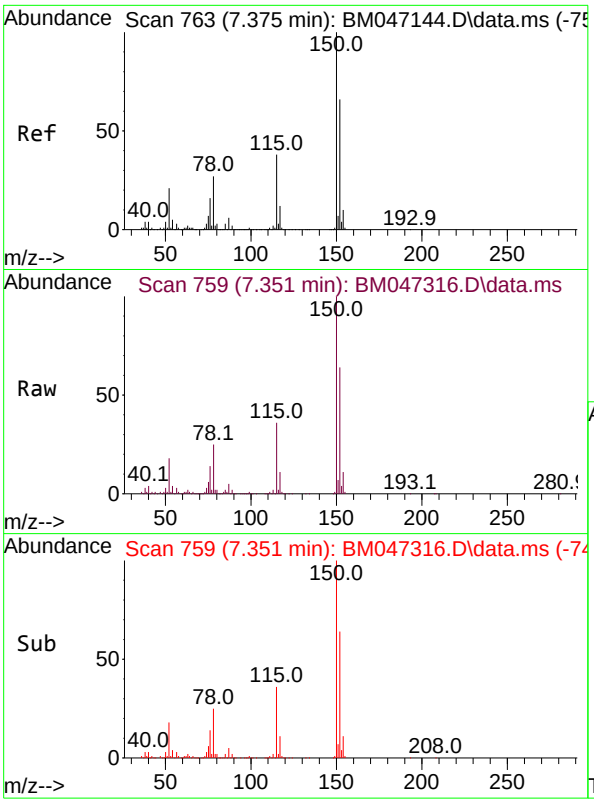
Sample Results: **BM047316.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047316.D
Acq On : 22 Aug 2024 14:31
Operator : RC/JU
Sample : P3671-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-912-J-SO-0-0.5-081924

Quant Time: Aug 22 15:18:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration



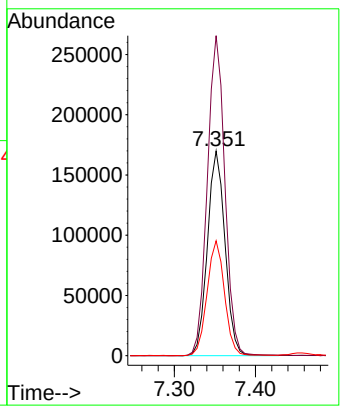


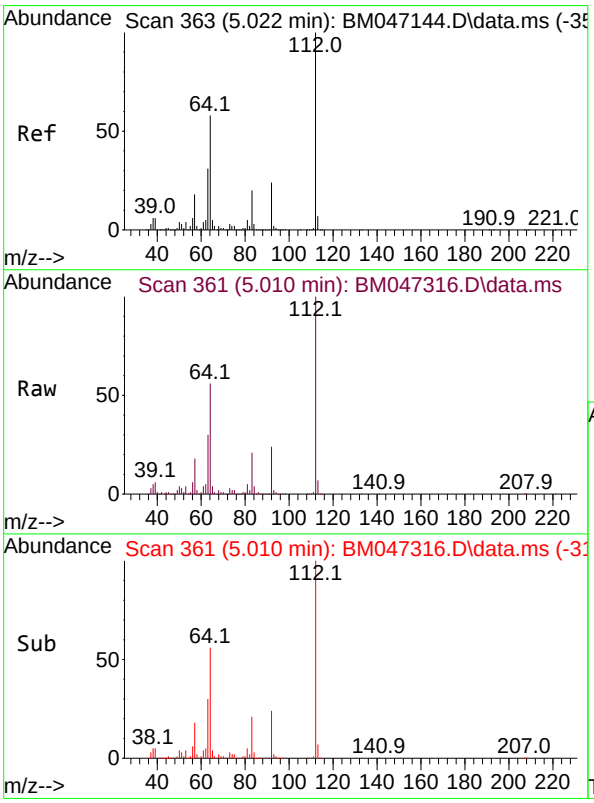
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 7
Delta R.T. -0.024 min
Lab File: BM047316.D
Acq: 22 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
S-912-J-SO-0-0.5-081924

Tgt Ion:152 Resp: 255981

Ion	Ratio	Lower	Upper
152	100		
150	156.3	120.5	180.7
115	56.1	45.5	68.3

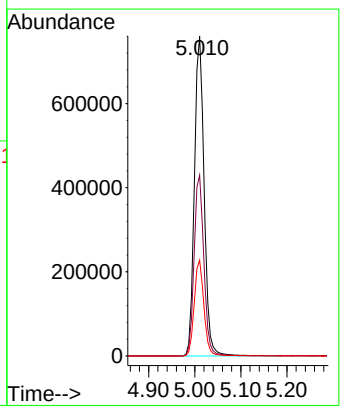


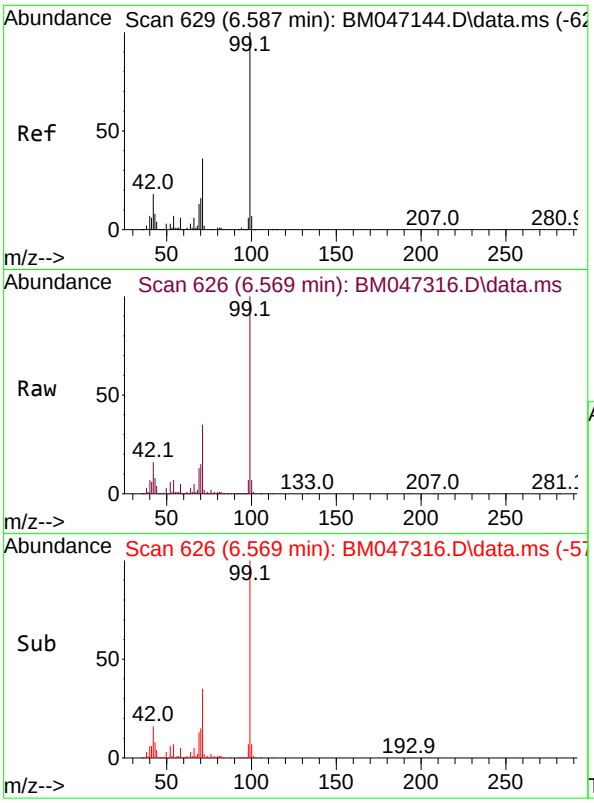


#5
2-Fluorophenol
Concen: 77.825 ng
RT: 5.010 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047316.D
Acq: 22 Aug 2024 14:31

Tgt Ion:112 Resp: 1114910

Ion	Ratio	Lower	Upper
112	100		
64	56.5	46.7	70.1
63	29.9	24.8	37.2



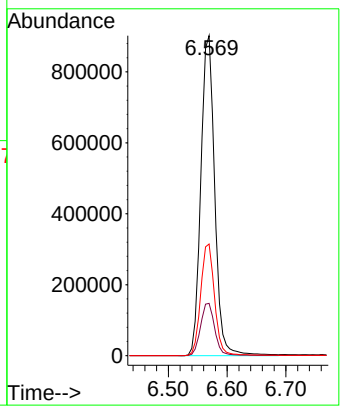


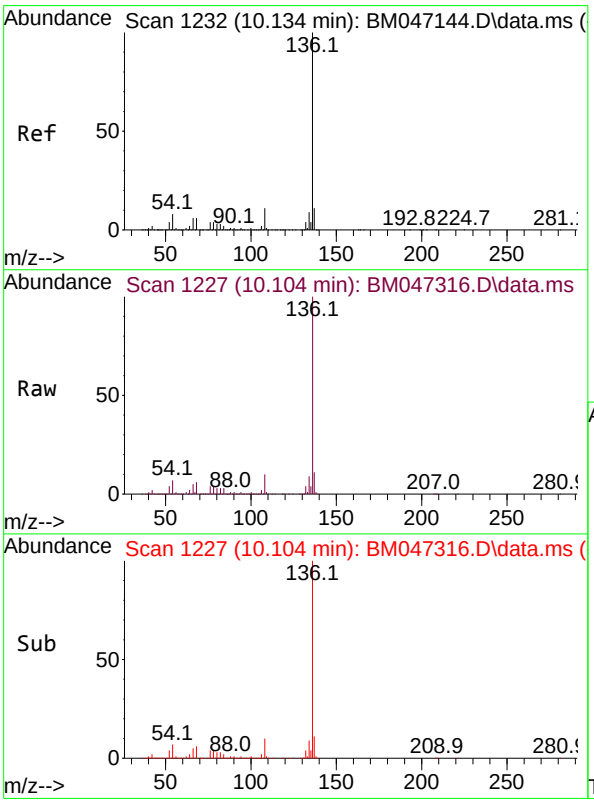
#7
Phenol-d6
Concen: 74.990 ng
RT: 6.569 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM047316.D
Acq: 22 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
S-912-J-SO-0-0.5-081924

Tgt Ion: 99 Resp: 1480299

Ion	Ratio	Lower	Upper
99	100		
42	16.4	14.1	21.1
71	34.9	28.5	42.7

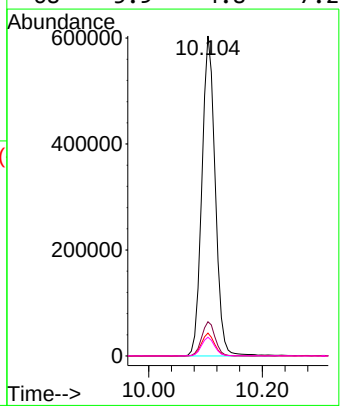


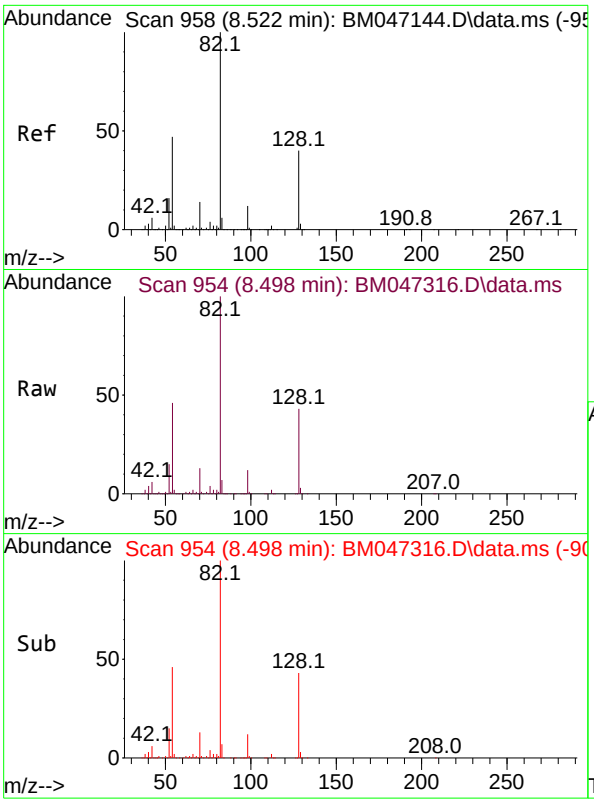


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. -0.029 min
Lab File: BM047316.D
Acq: 22 Aug 2024 14:31

Tgt Ion:136 Resp: 983498

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.2	6.0	9.0
68	5.9	4.8	7.2



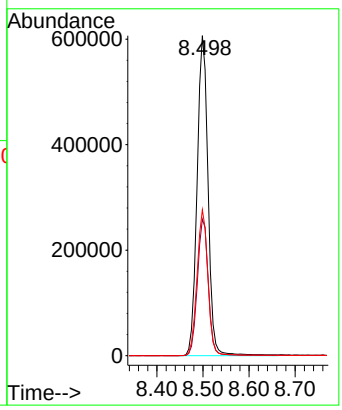


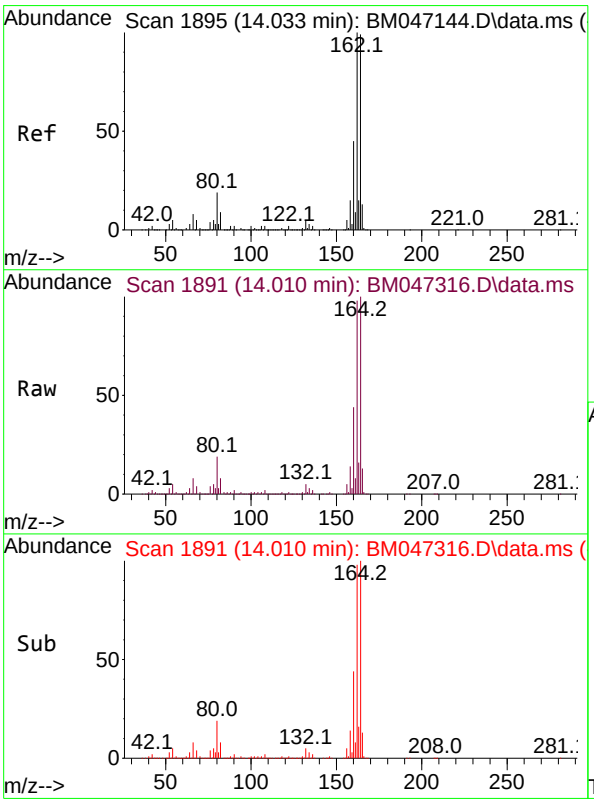
#23
Nitrobenzene-d5
Concen: 51.401 ng
RT: 8.498 min Scan# 9
Delta R.T. -0.024 min
Lab File: BM047316.D
Acq: 22 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
S-912-J-SO-0-0.5-081924

Tgt Ion: 82 Resp: 1003954

Ion	Ratio	Lower	Upper
82	100		
128	42.6	32.3	48.5
54	45.6	37.4	56.2

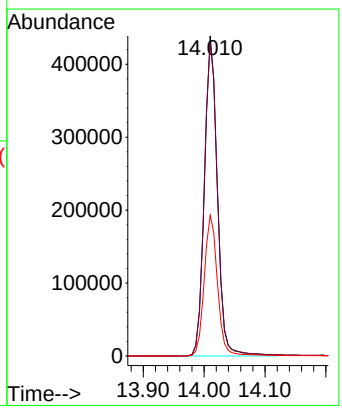


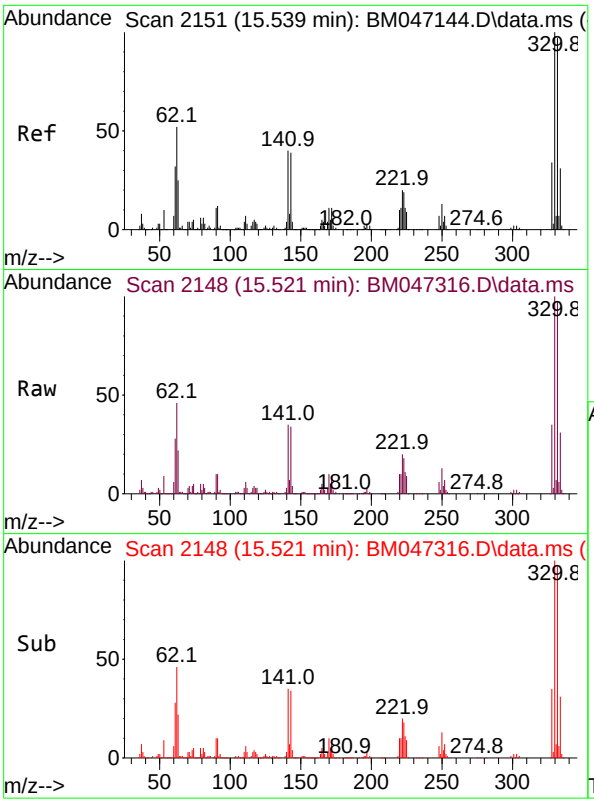


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.024 min
Lab File: BM047316.D
Acq: 22 Aug 2024 14:31

Tgt Ion:164 Resp: 648299

Ion	Ratio	Lower	Upper
164	100		
162	97.8	80.7	121.1
160	43.9	36.0	54.0



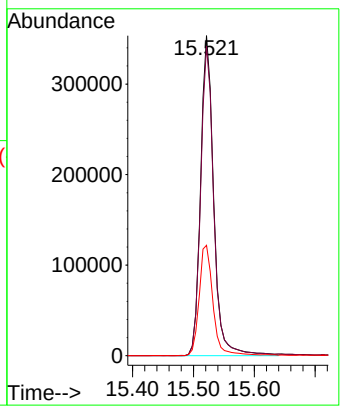


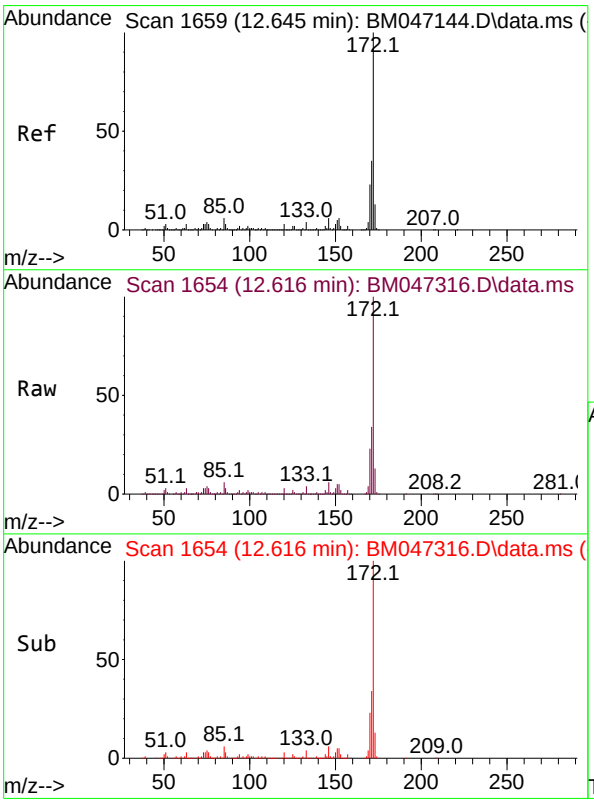
#42
2,4,6-Tribromophenol
Concen: 70.479 ng
RT: 15.521 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM047316.D
Acq: 22 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
S-912-J-SO-0-0.5-081924

Tgt Ion:330 Resp: 529801

Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.4	116.2
141	36.8	31.6	47.4

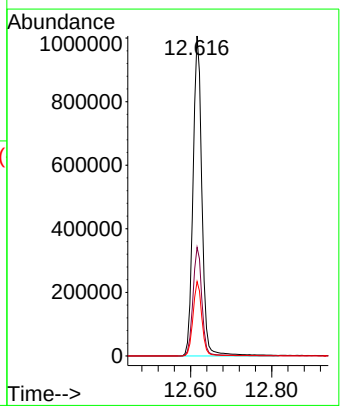


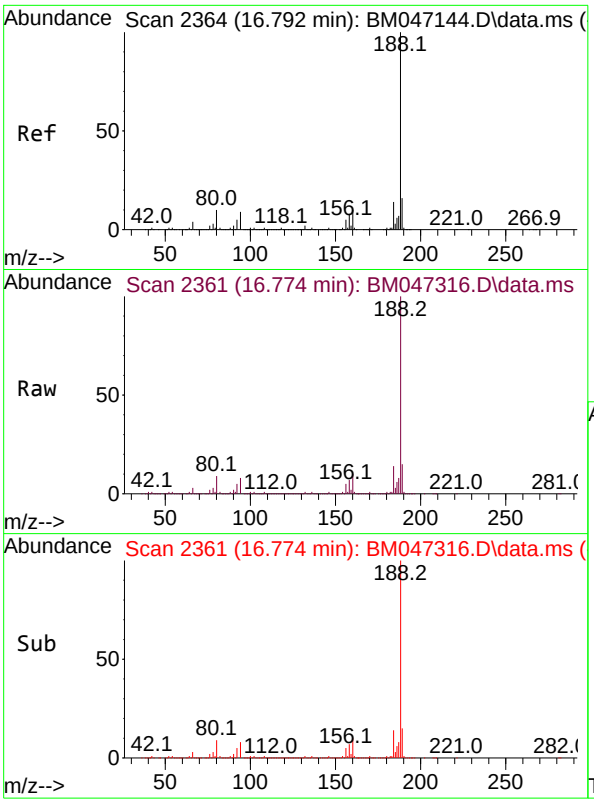


#45
2-Fluorobiphenyl
Concen: 36.822 ng
RT: 12.616 min Scan# 1654
Delta R.T. -0.029 min
Lab File: BM047316.D
Acq: 22 Aug 2024 14:31

Tgt Ion:172 Resp: 1547565

Ion	Ratio	Lower	Upper
172	100		
171	33.9	27.8	41.6
170	23.2	18.7	28.1



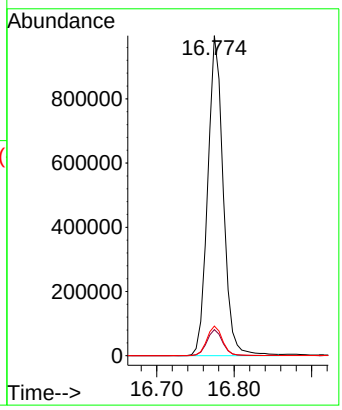


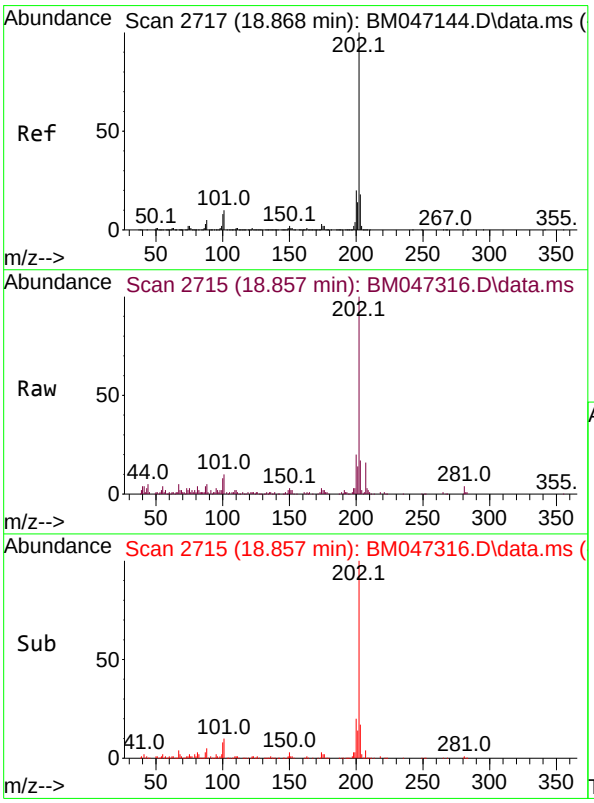
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.774 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047316.D
Acq: 22 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
S-912-J-SO-0-0.5-081924

Tgt Ion:188 Resp: 1386420

Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.0	10.6
80	9.3	8.0	12.0

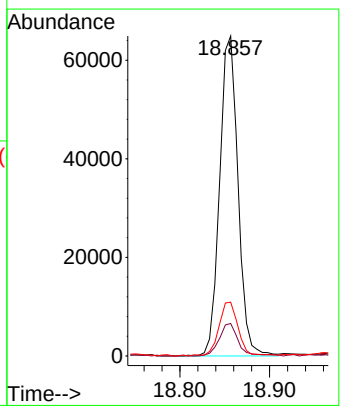


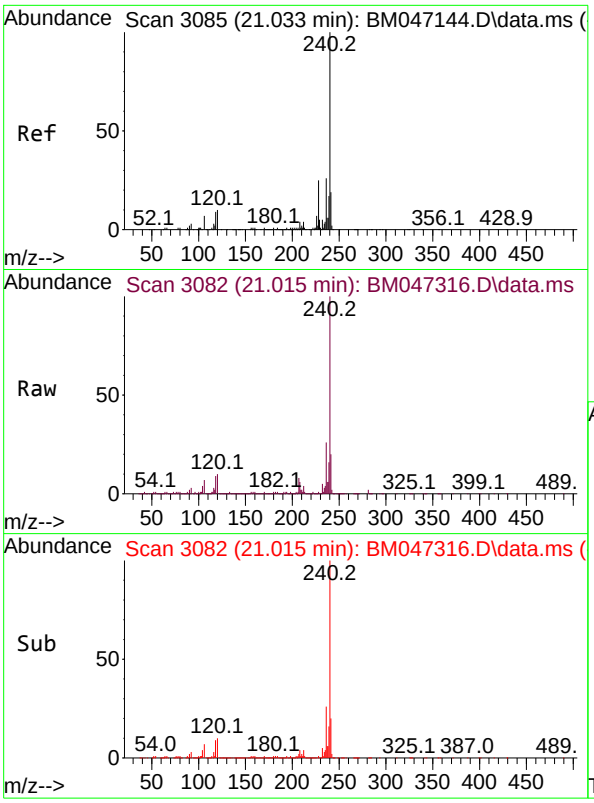


#75
Fluoranthene
Concen: 1.090 ng
RT: 18.857 min Scan# 2715
Delta R.T. -0.012 min
Lab File: BM047316.D
Acq: 22 Aug 2024 14:31

Tgt Ion:202 Resp: 92240

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.2
203	16.8	0.0	37.6



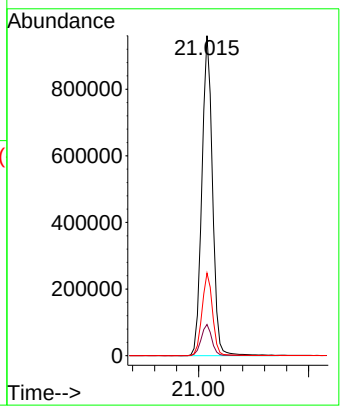


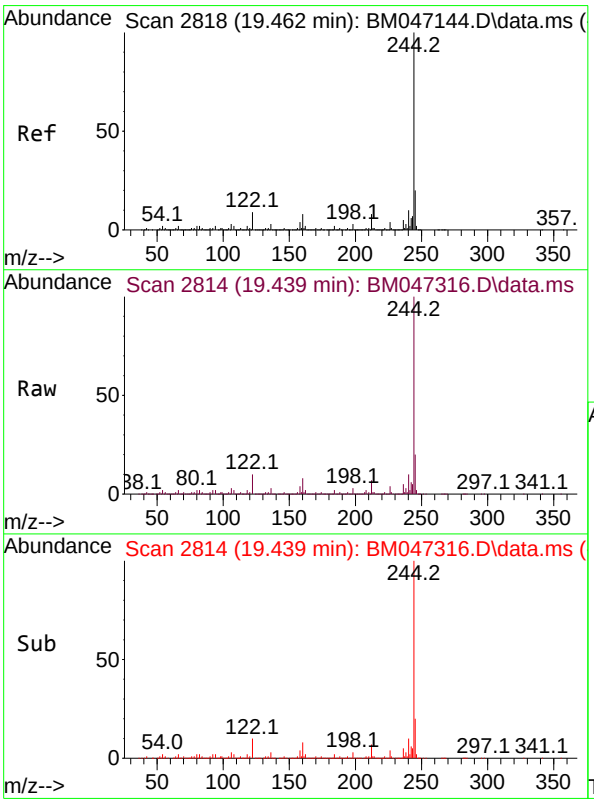
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.015 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM047316.D
Acq: 22 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
S-912-J-SO-0-0.5-081924

Tgt Ion:240 Resp: 1285465

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.2	12.2
236	25.8	20.6	30.8

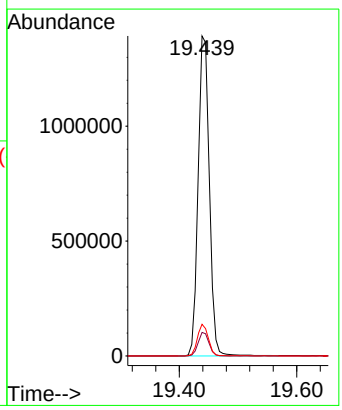


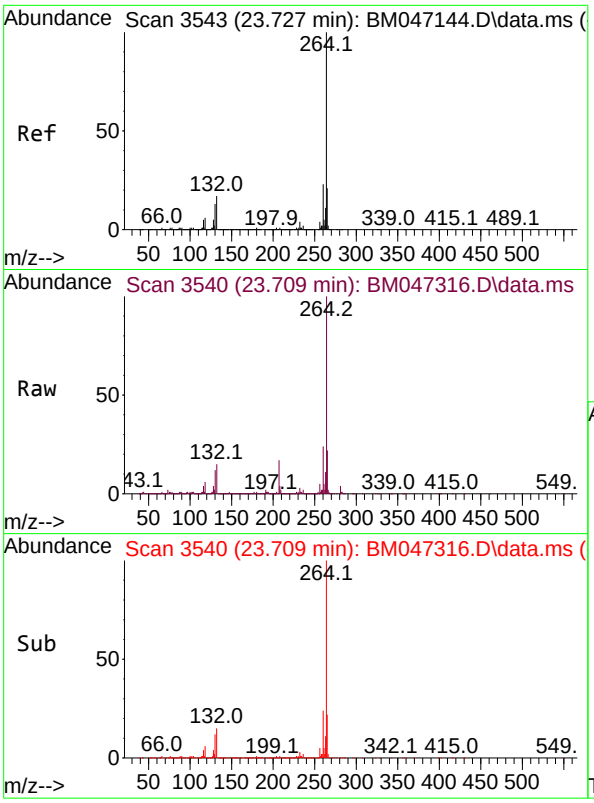


#79
Terphenyl-d14
Concen: 30.729 ng
RT: 19.439 min Scan# 2814
Delta R.T. -0.024 min
Lab File: BM047316.D
Acq: 22 Aug 2024 14:31

Tgt Ion:244 Resp: 1843481

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.2	9.4
122	9.9	7.1	10.7



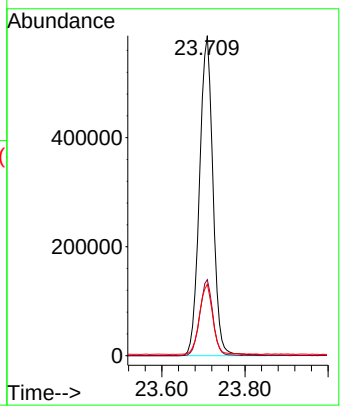


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.709 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM047316.D
Acq: 22 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
S-912-J-SO-0-0.5-081924

Tgt Ion:264 Resp: 1323018

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.5	27.7
265	22.3	17.3	25.9



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-912-J-SO-0.5-1-081924	SDG No.:	P3671
Lab Sample ID:	P3671-14	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	51.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047314.D	1	08/21/24 08:50	08/22/24 13:11	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	150	U	150	330	ug/Kg
100-52-7	Benzaldehyde	350	U	350	640	ug/Kg
95-48-7	2-Methylphenol	160	U	160	330	ug/Kg
65794-96-9	3+4-Methylphenols	150	U	150	640	ug/Kg
67-72-1	Hexachloroethane	160	U	160	330	ug/Kg
98-95-3	Nitrobenzene	180	U	180	330	ug/Kg
91-20-3	Naphthalene	160	U	160	330	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	160	330	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	140	330	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	140	330	ug/Kg
208-96-8	Acenaphthylene	170	U	170	330	ug/Kg
83-32-9	Acenaphthene	160	U	160	330	ug/Kg
132-64-9	Dibenzofuran	160	U	160	330	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	170	330	ug/Kg
86-73-7	Fluorene	170	U	170	330	ug/Kg
118-74-1	Hexachlorobenzene	160	U	160	330	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	640	ug/Kg
85-01-8	Phenanthrene	160	U	160	330	ug/Kg
120-12-7	Anthracene	160	U	160	330	ug/Kg
86-74-8	Carbazole	160	U	160	330	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	160	330	ug/Kg
206-44-0	Fluoranthene	160	U	160	330	ug/Kg
129-00-0	Pyrene	160	U	160	330	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	160	330	ug/Kg
218-01-9	Chrysene	150	U	150	330	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	180	U	180	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	160	330	ug/Kg
207-08-9	Benzo(k)fluoranthene	160	U	160	330	ug/Kg

Raw Data: **BM047314.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-912-J-SO-0.5-1-081924	SDG No.:	P3671
Lab Sample ID:	P3671-14	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	51.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047314.D	1	08/21/24 08:50	08/22/24 13:11	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
50-32-8	Benzo(a)pyrene	180	U	180	330	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	150	330	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	160	330	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	160	330	ug/Kg
123-91-1	1,4-Dioxane	210	U	210	330	ug/Kg
90-12-0	1-Methylnaphthalene	160	U	160	330	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	69.3		30 (18) - 130 (112)	46%	SPK: 150
13127-88-3	Phenol-d6	65.3		30 (15) - 130 (107)	44%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.9		30 (18) - 130 (107)	45%	SPK: 100
321-60-8	2-Fluorobiphenyl	37.0		30 (20) - 130 (109)	37%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.7		30 (10) - 130 (116)	46%	SPK: 150
1718-51-0	Terphenyl-d14	34.7		30 (10) - 130 (105)	35%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	252000	7.351			
1146-65-2	Naphthalene-d8	951000	10.104			
15067-26-2	Acenaphthene-d10	635000	14.01			
1517-22-2	Phenanthrene-d10	1370000	16.774			
1719-03-5	Chrysene-d12	1280000	21.015			
1520-96-3	Perylene-d12	1310000	23.709			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047314.D
Acq On : 22 Aug 2024 13:11
Operator : RC/JU
Sample : P3671-14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-912-J-SO-0.5-1-081924

Quant Time: Aug 22 13:48:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

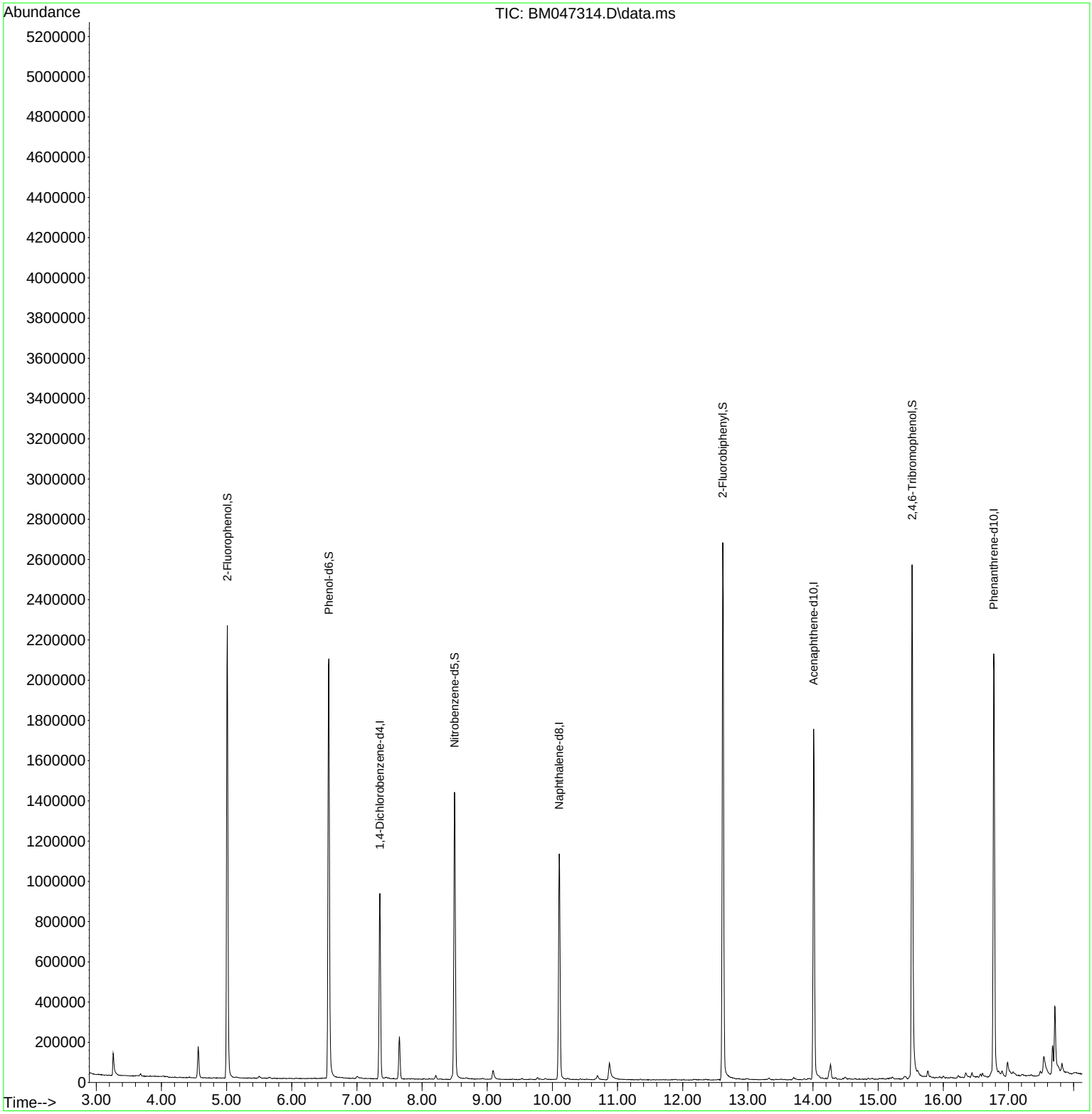
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	251683	20.000	ng	-0.02
21) Naphthalene-d8	10.104	136	951089	20.000	ng	-0.03
39) Acenaphthene-d10	14.010	164	635439	20.000	ng	-0.02
64) Phenanthrene-d10	16.774	188	1371332	20.000	ng	-0.02
76) Chrysene-d12	21.015	240	1283725	20.000	ng	-0.02
86) Perylene-d12	23.709	264	1313198	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	976790	69.348	ng	-0.01
7) Phenol-d6	6.569	99	1267923	65.329	ng	-0.02
23) Nitrobenzene-d5	8.498	82	848596	44.927	ng	-0.02
42) 2,4,6-Tribromophenol	15.521	330	505838	68.653	ng	-0.02
45) 2-Fluorobiphenyl	12.616	172	1526056	37.045	ng	-0.03
79) Terphenyl-d14	19.445	244	2081809	34.749	ng	-0.02
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047314.D
Acq On : 22 Aug 2024 13:11
Operator : RC/JU
Sample : P3671-14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-912-J-SO-0.5-1-081924

Quant Time: Aug 22 13:48:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

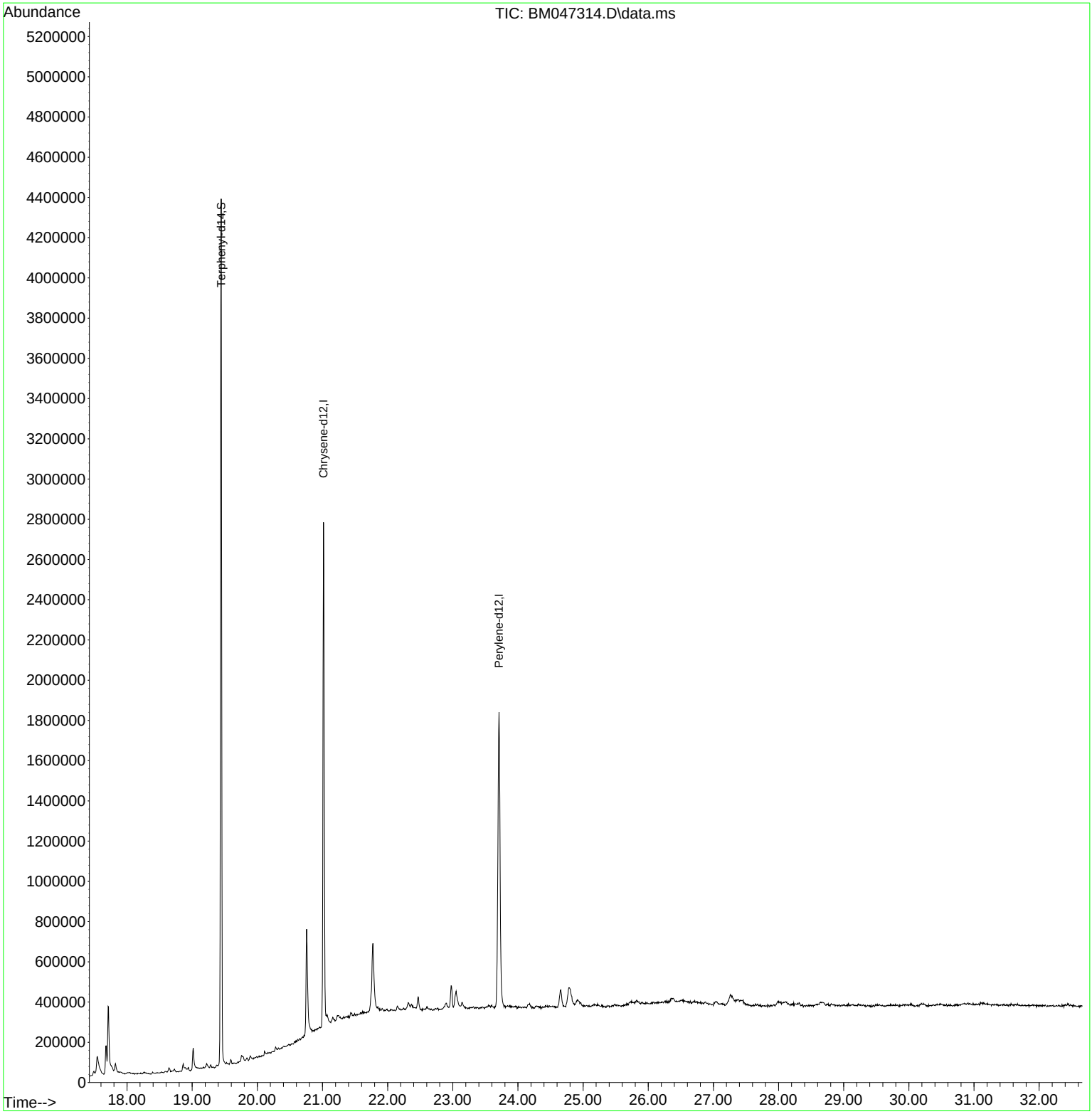


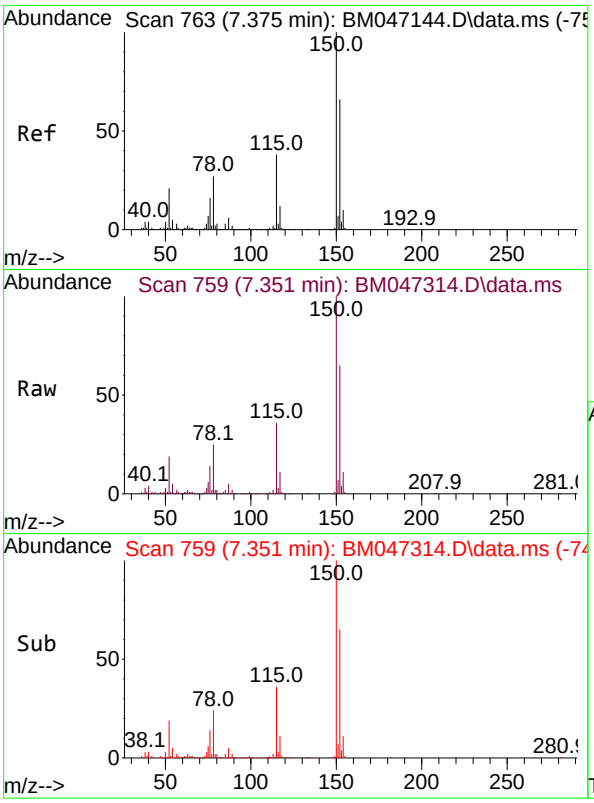
Sample Results: **BM047314.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047314.D
Acq On : 22 Aug 2024 13:11
Operator : RC/JU
Sample : P3671-14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-912-J-SO-0.5-1-081924

Quant Time: Aug 22 13:48:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration



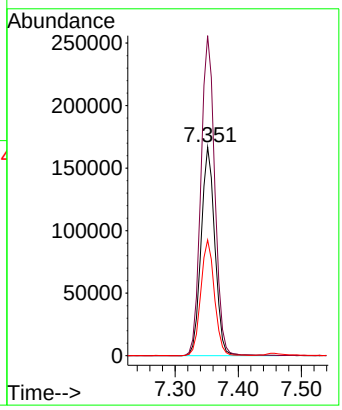


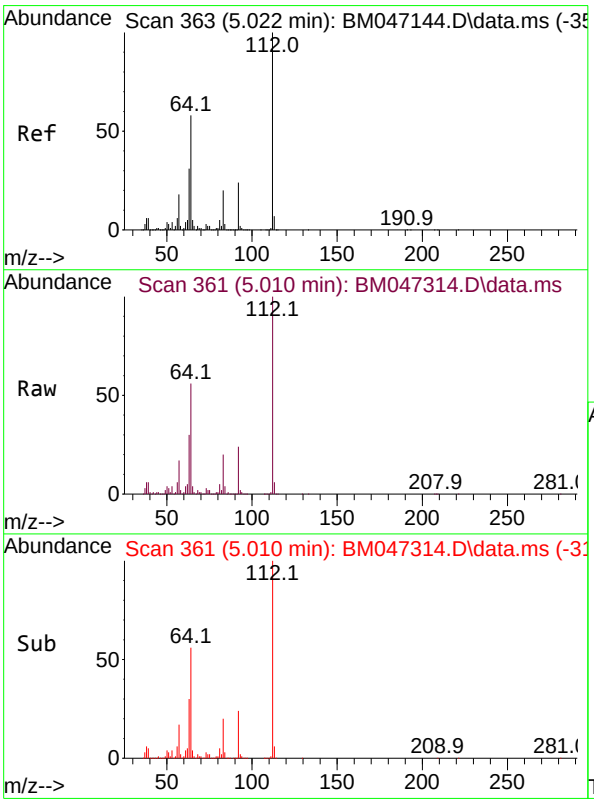
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 7
Delta R.T. -0.024 min
Lab File: BM047314.D
Acq: 22 Aug 2024 13:11

Instrument :
BNA_M
ClientSampleId :
S-912-J-SO-0.5-1-081924

Tgt Ion:152 Resp: 251683

Ion	Ratio	Lower	Upper
152	100		
150	153.3	120.5	180.7
115	55.4	45.5	68.3

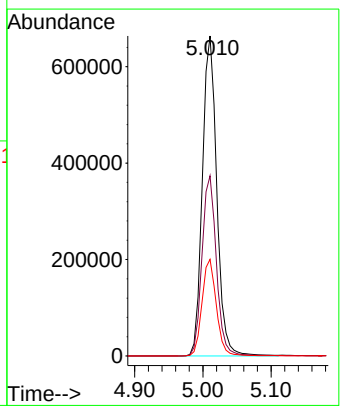


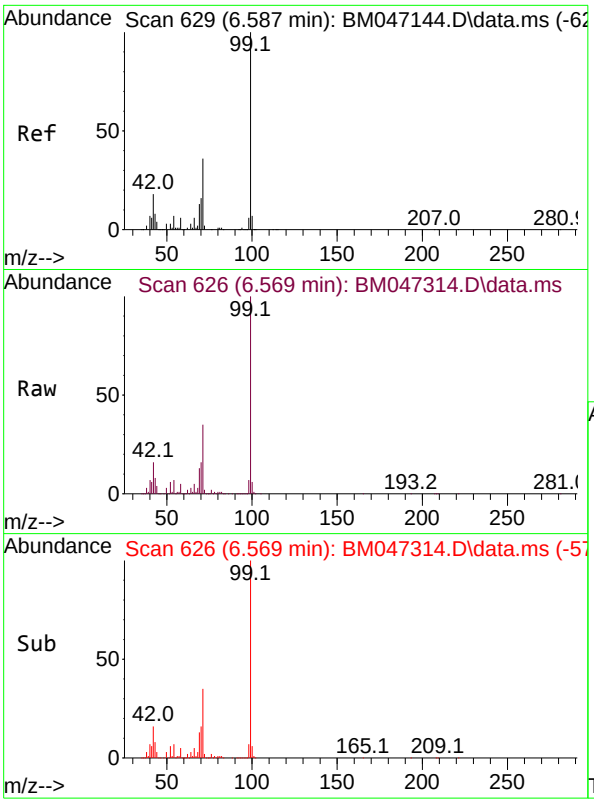


#5
2-Fluorophenol
Concen: 69.348 ng
RT: 5.010 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047314.D
Acq: 22 Aug 2024 13:11

Tgt Ion:112 Resp: 976790

Ion	Ratio	Lower	Upper
112	100		
64	56.3	46.7	70.1
63	30.2	24.8	37.2



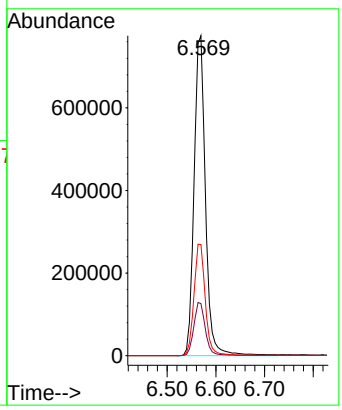


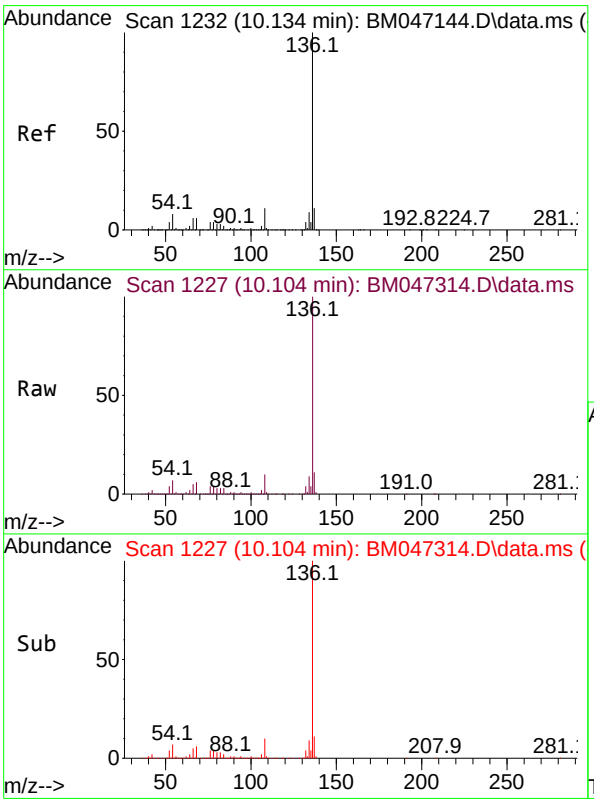
#7
Phenol-d6
Concen: 65.329 ng
RT: 6.569 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM047314.D
Acq: 22 Aug 2024 13:11

Instrument :
BNA_M
ClientSampleId :
S-912-J-SO-0.5-1-081924

Tgt Ion: 99 Resp: 1267923

Ion	Ratio	Lower	Upper
99	100		
42	16.3	14.1	21.1
71	34.7	28.5	42.7

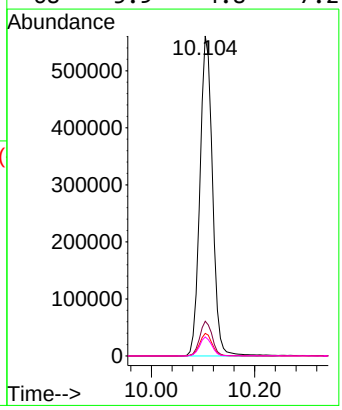


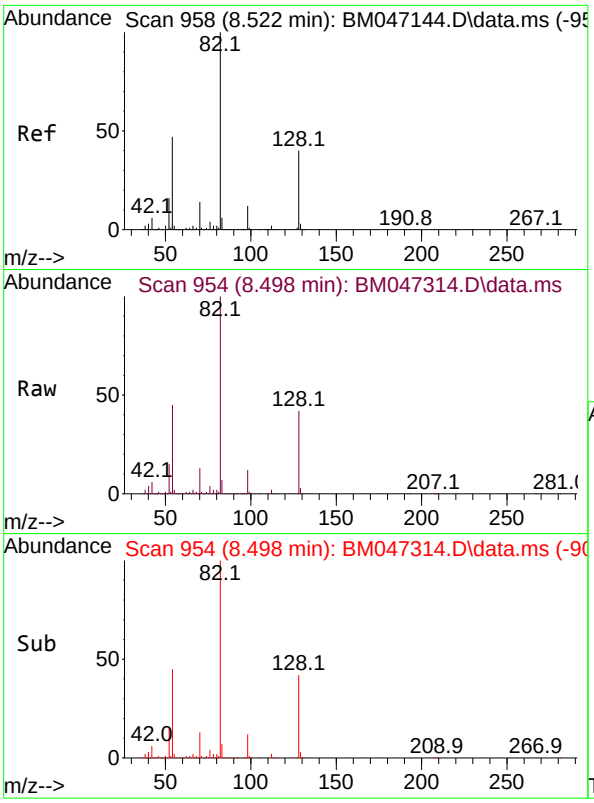


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. -0.029 min
Lab File: BM047314.D
Acq: 22 Aug 2024 13:11

Tgt Ion:136 Resp: 951089

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.1	6.0	9.0
68	5.9	4.8	7.2



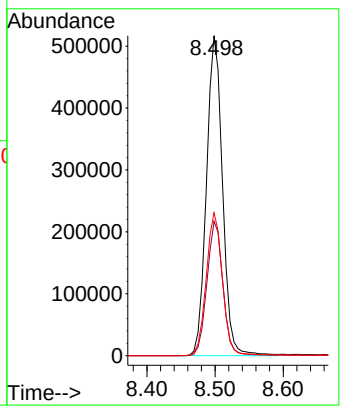


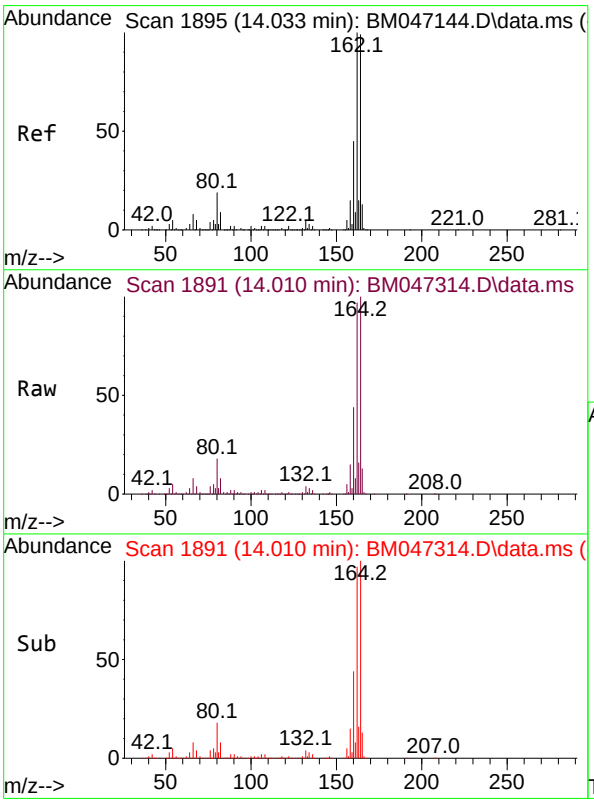
#23
Nitrobenzene-d5
Concen: 44.927 ng
RT: 8.498 min Scan# 9
Delta R.T. -0.024 min
Lab File: BM047314.D
Acq: 22 Aug 2024 13:11

Instrument :
BNA_M
ClientSampleId :
S-912-J-SO-0.5-1-081924

Tgt Ion: 82 Resp: 848596

Ion	Ratio	Lower	Upper
82	100		
128	41.9	32.3	48.5
54	44.7	37.4	56.2

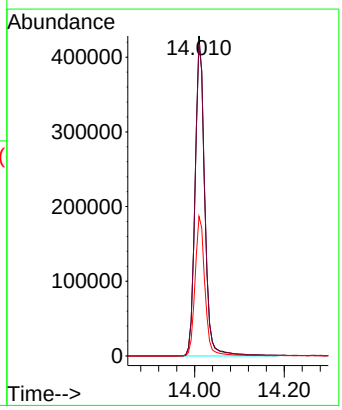


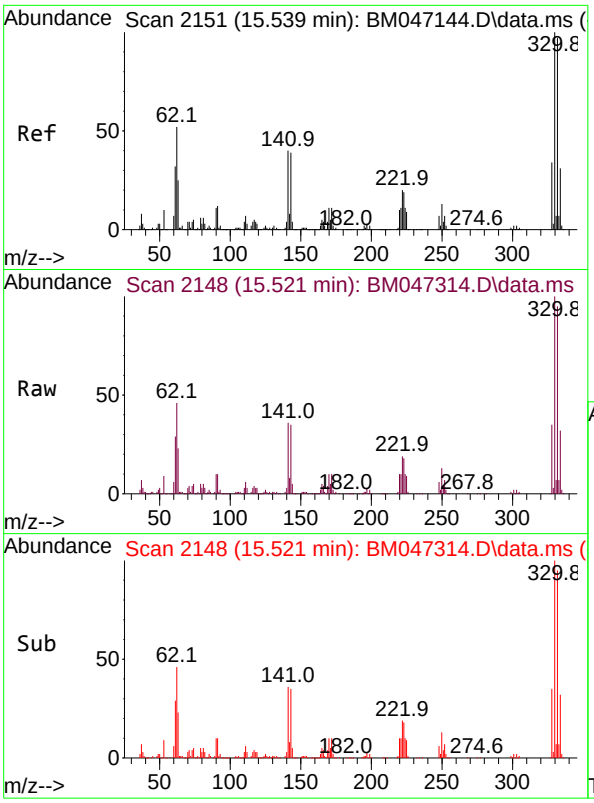


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.024 min
Lab File: BM047314.D
Acq: 22 Aug 2024 13:11

Tgt Ion:164 Resp: 635439

Ion	Ratio	Lower	Upper
164	100		
162	97.4	80.7	121.1
160	43.6	36.0	54.0



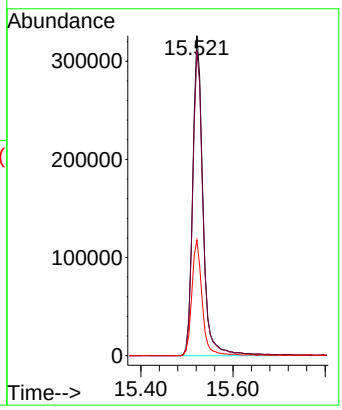


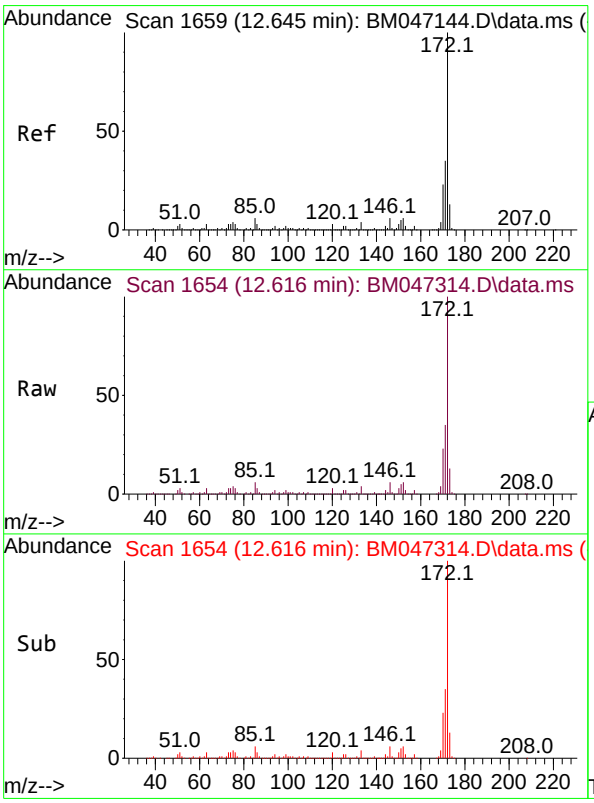
#42
2,4,6-Tribromophenol
Concen: 68.653 ng
RT: 15.521 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM047314.D
Acq: 22 Aug 2024 13:11

Instrument :
BNA_M
ClientSampleId :
S-912-J-SO-0.5-1-081924

Tgt Ion:330 Resp: 505838

Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.4	116.2
141	36.1	31.6	47.4

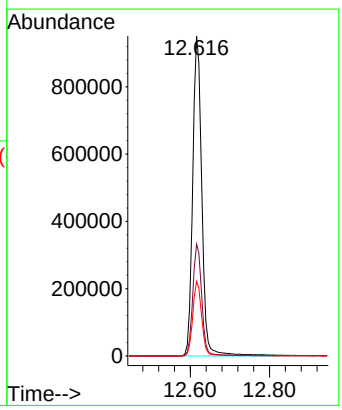


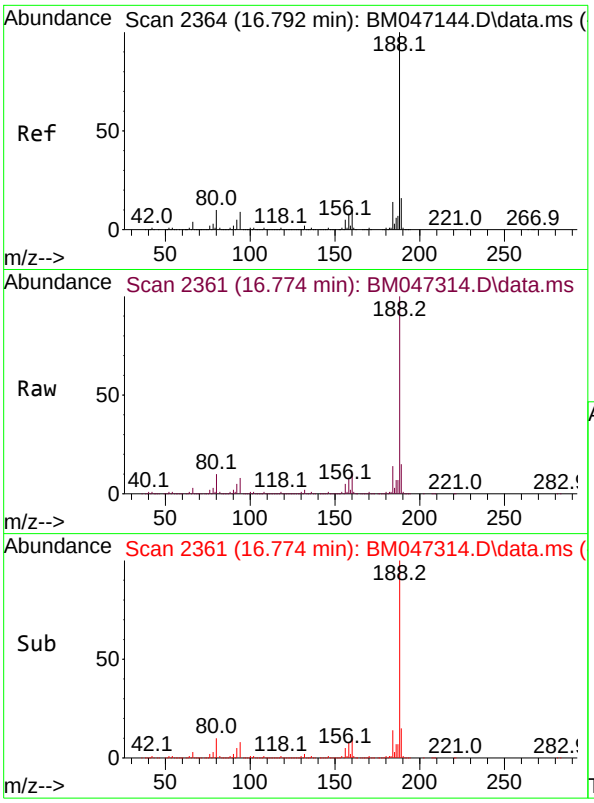


#45
2-Fluorobiphenyl
Concen: 37.045 ng
RT: 12.616 min Scan# 1654
Delta R.T. -0.029 min
Lab File: BM047314.D
Acq: 22 Aug 2024 13:11

Tgt Ion:172 Resp: 1526056

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	23.3	18.7	28.1



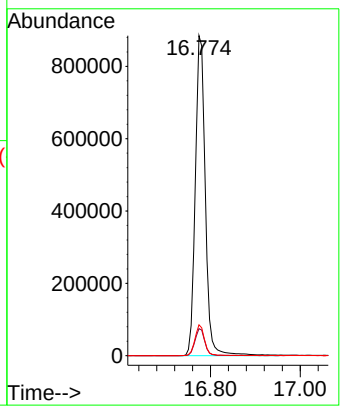


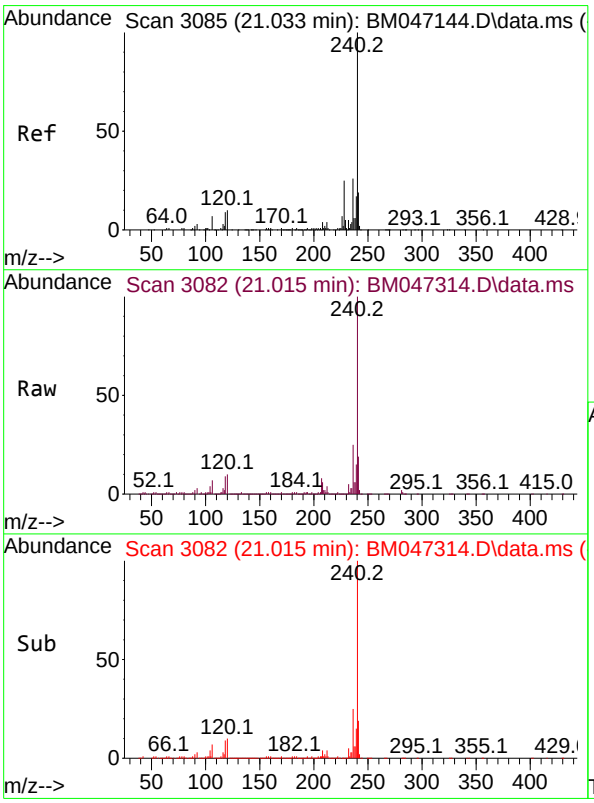
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.774 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047314.D
Acq: 22 Aug 2024 13:11

Instrument :
BNA_M
ClientSampleId :
S-912-J-SO-0.5-1-081924

Tgt Ion:188 Resp: 1371332

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.0	10.6
80	9.7	8.0	12.0

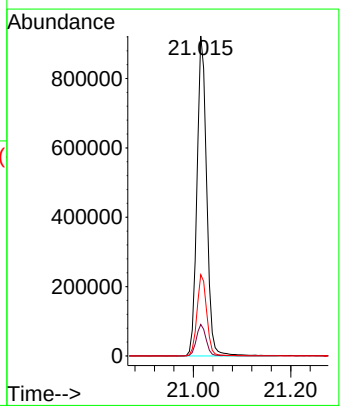


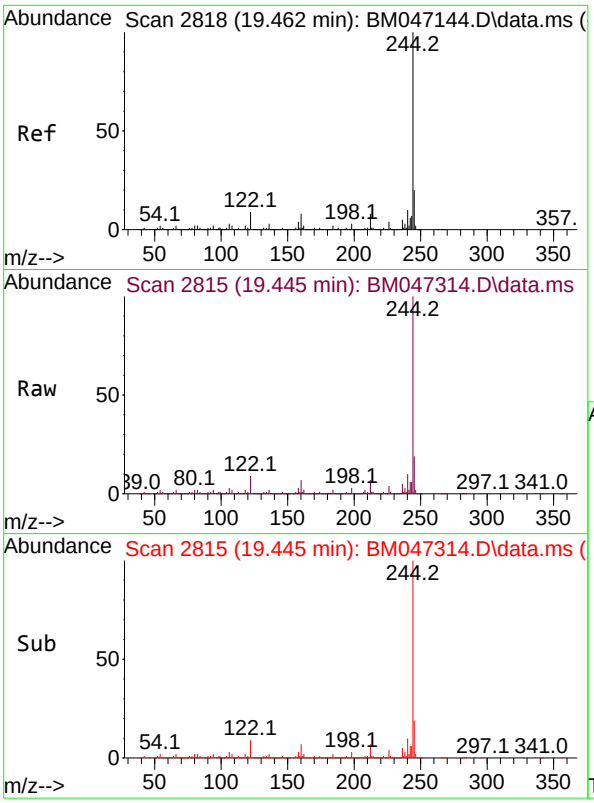


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.015 min Scan# 3082
Delta R.T. -0.018 min
Lab File: BM047314.D
Acq: 22 Aug 2024 13:11

Tgt Ion:240 Resp: 1283725

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.2	12.2
236	25.4	20.6	30.8



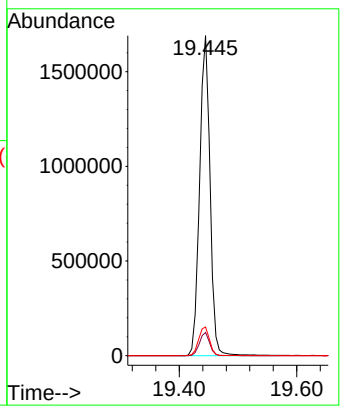


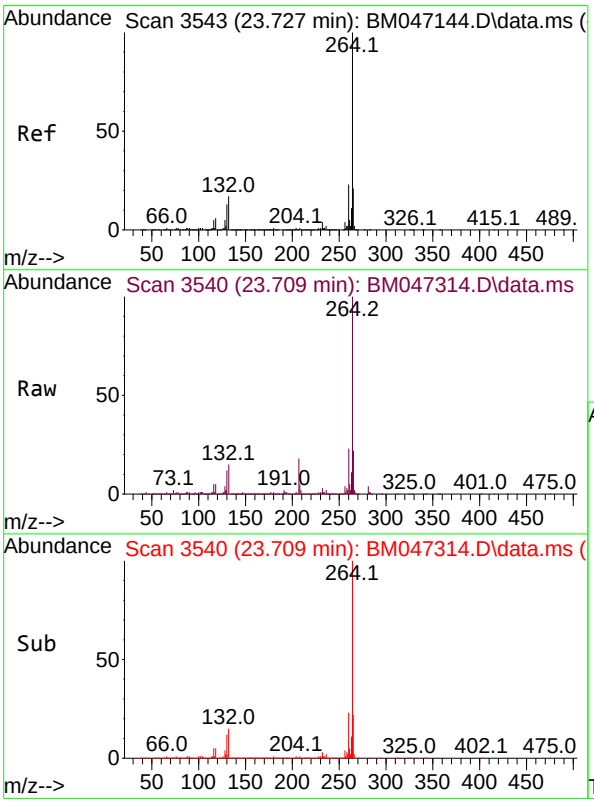
#79
Terphenyl-d14
Concen: 34.749 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047314.D
Acq: 22 Aug 2024 13:11

Instrument :
BNA_M
ClientSampleId :
S-912-J-SO-0.5-1-081924

Tgt Ion:244 Resp: 2081809

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.4
122	9.0	7.1	10.7

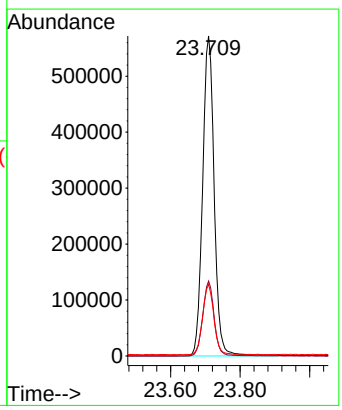




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.709 min Scan# 3540
Delta R.T. -0.018 min
Lab File: BM047314.D
Acq: 22 Aug 2024 13:11

Tgt Ion:264 Resp: 1313198

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	22.5	17.3	25.9



CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF082024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 21 01:25:05 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF139078.D 5 =BF139079.D 10 =BF139080.D 20 =BF139081.D 40 =BF139082.D 50 =BF139083.D 60 =BF139084.D 80 =BF1390
85.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.591	0.579	0.579	0.553	0.528	0.550	0.523	0.558	4.73
3)		Pyridine		1.553	1.469	1.544	1.361	1.323	1.380	1.287	1.417	7.48
4)		n-Nitrosodimet...		1.227	0.804	0.822	0.794	0.769	0.801	0.775	0.856	19.24
5)	S	2-Fluorophenol		1.671	1.315	1.335	1.225	1.182	1.211	1.160	1.300	13.55
6)		Aniline		1.903	1.548	1.626	1.511	1.469	1.411	1.146	1.516	15.06
7)	S	Phenol-d6		2.058	1.698	1.737	1.612	1.545	1.590	1.518	1.680	10.97
8)		2-Chlorophenol		1.529	1.254	1.309	1.194	1.161	1.185	1.121	1.250	10.98
9)		Benzaldehyde			1.182	1.163	0.921	0.843	0.817		0.985	17.80
10)	C	Phenol		2.131	1.793	1.839	1.709	1.607	1.625	1.530	1.748	11.46
11)		bis(2-Chloroet...		1.913	1.323	1.374	1.261	1.209	1.295	1.463	1.406	16.93
12)		1,3-Dichlorobe...		1.853	1.533	1.576	1.434	1.373	1.417	1.338	1.503	11.68
13)	C	1,4-Dichlorobe...		1.803	1.560	1.572	1.440	1.381	1.425	1.340	1.503	10.51
14)		1,2-Dichlorobe...		1.512	1.459	1.483	1.341	1.277	1.309	1.235	1.374	7.97
15)		Benzyl Alcohol		1.608	1.313	1.366	1.280	1.225	1.279	1.222	1.328	10.05
16)		2,2'-oxybis(1-...		2.693	1.975	2.043	1.850	1.768	1.814	1.717	1.980	16.89
17)		2-Methylphenol		1.249	1.086	1.114	1.029	0.999	1.021	0.989	1.070	8.51
18)		Hexachloroethane		0.677	0.502	0.532	0.507	0.485	0.503	0.484	0.527	12.91
19)	P	n-Nitroso-di-n...	1.348	1.435	1.039	1.089	1.005	0.955	0.994	0.960	1.103	16.72
20)		3+4-Methylphenols		1.706	1.418	1.446	1.348	1.258	1.297	1.227	1.386	11.70
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.542	0.529	0.538	0.504	0.488	0.494	0.480	0.511	4.92
23)	S	Nitrobenzene-d5		0.274	0.288	0.336	0.360	0.365	0.391	0.389	0.343	13.56
24)		Nitrobenzene		0.328	0.335	0.382	0.395	0.395	0.423	0.413	0.382	9.66
25)		Isophorone		0.768	0.748	0.752	0.717	0.693	0.721	0.706	0.730	3.73
26)	C	2-Nitrophenol		0.064	0.075	0.100	0.118	0.126	0.140	0.144	0.110	28.47
27)		2,4-Dimethylph...		0.275	0.227	0.234	0.223	0.219	0.222	0.220	0.231	8.67
28)		bis(2-Chloroet...		0.489	0.438	0.440	0.410	0.393	0.416	0.397	0.426	7.79
29)	C	2,4-Dichloroph...		0.293	0.290	0.299	0.287	0.278	0.290	0.280	0.288	2.56
30)		1,2,4-Trichlor...		0.370	0.350	0.352	0.331	0.314	0.331	0.314	0.337	6.18
31)		Naphthalene		1.090	1.062	1.071	0.997	0.945	0.992	0.937	1.013	6.07
32)		Benzoic acid			0.100	0.133	0.167	0.183	0.206	0.214	0.167	26.37
33)		4-Chloroaniline		0.357	0.355	0.363	0.347	0.330	0.343	0.335	0.347	3.52
34)	C	Hexachlorobuta...		0.234	0.233	0.231	0.216	0.206	0.215	0.208	0.220	5.45
35)		Caprolactam		0.090	0.091	0.092	0.092	0.089	0.094	0.091	0.091	1.79
36)	C	4-Chloro-3-met...		0.333	0.314	0.329	0.319	0.304	0.321	0.313	0.319	3.11
37)		2-Methylnaphth...		0.758	0.678	0.678	0.629	0.598	0.619	0.590	0.650	9.09
38)		1-Methylnaphth...		0.677	0.662	0.666	0.613	0.585	0.606	0.583	0.627	6.37

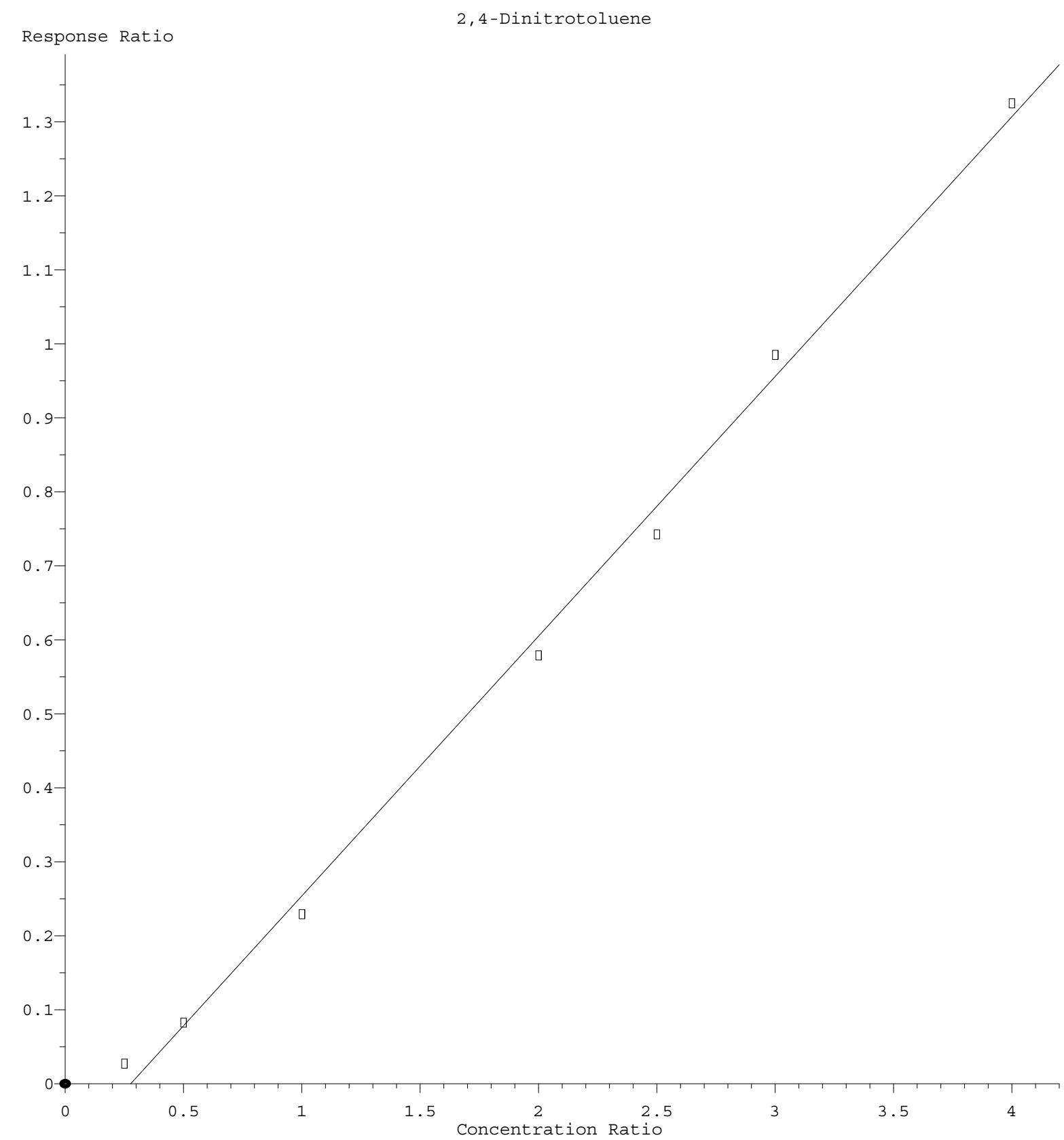
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF082024.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.904	0.595	0.595	0.560	0.531	0.551	0.527	0.609	21.85
41)	P	Hexachlorocycl...	0.202	0.192	0.218	0.214	0.211	0.223	0.214	0.210	4.94
42)	S	2,4,6-Tribromo...	0.132	0.174	0.191	0.190	0.187	0.199	0.195	0.181	12.59
43)	C	2,4,6-Trichlor...	0.408	0.364	0.378	0.356	0.360	0.370	0.350	0.370	5.17
44)		2,4,5-Trichlor...	0.401	0.359	0.384	0.386	0.363	0.383	0.379	0.379	3.72
45)	S	2-Fluorobiphenyl	1.526	1.341	1.326	1.207	1.147	1.159	1.117	1.261	11.60
46)		1,1'-Biphenyl	1.333	1.479	1.479	1.374	1.301	1.338	1.286	1.370	5.80
47)		2-Chloronaphth...	1.208	1.165	1.171	1.087	1.047	1.077	1.038	1.113	6.04
48)		2-Nitroaniline	0.160	0.170	0.235	0.285	0.304	0.335	0.345	0.262	28.84
49)		Acenaphthylene	1.656	1.666	1.690	1.587	1.523	1.551	1.491	1.595	4.84
50)		Dimethylphthalate	1.239	1.281	1.295	1.236	1.181	1.228	1.184	1.235	3.50
51)		2,6-Dinitrotol...	0.093	0.147	0.202	0.236	0.243	0.260	0.259	0.206	30.85
52)	C	Acenaphthene	1.181	1.076	1.072	1.027	0.985	1.032	1.001	1.053	6.20
53)		3-Nitroaniline	0.123	0.151	0.211	0.241	0.243	0.259	0.263	0.213	25.87
54)	P	2,4-Dinitrophenol		0.036	0.049	0.072	0.080	0.097	0.107	0.074	36.99
55)		Dibenzofuran	1.611	1.620	1.623	1.518	1.441	1.478	1.418	1.530	5.76
56)	P	4-Nitrophenol		0.131	0.169	0.195	0.199	0.216	0.211	0.187	17.11
57)		2,4-Dinitrotol...	0.109	0.165	0.229	0.289	0.297	0.328	0.331	0.250	34.32
58)		Fluorene	1.395	1.280	1.273	1.195	1.142	1.158	1.116	1.223	8.08
59)		2,3,4,6-Tetrac...	0.259	0.297	0.325	0.313	0.306	0.323	0.309	0.305	7.28
60)		Diethylphthalate	1.275	1.237	1.267	1.222	1.175	1.217	1.171	1.223	3.32
61)		4-Chlorophenyl...	0.703	0.642	0.636	0.589	0.573	0.577	0.554	0.611	8.55
62)		4-Nitroaniline	0.139	0.164	0.213	0.244	0.248	0.266	0.261	0.219	22.73
63)		Azobenzene	1.521	1.378	1.395	1.334	1.296	1.322	1.271	1.360	6.11
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.031	0.046	0.064	0.071	0.083	0.087	0.064	33.81
66)	c	n-Nitrosodiphe...	0.707	0.606	0.613	0.571	0.544	0.561	0.540	0.592	9.84
67)		4-Bromophenyl-...	0.228	0.217	0.226	0.207	0.199	0.207	0.200	0.212	5.53
68)		Hexachlorobenzene	0.255	0.229	0.231	0.220	0.215	0.226	0.217	0.227	5.91
69)		Atrazine	0.241	0.198	0.197	0.147	0.164	0.167	0.151	0.181	18.39
70)	C	Pentachlorophenol	0.135	0.131	0.147	0.149	0.148	0.156	0.151	0.145	6.18
71)		Phenanthrene	1.228	1.053	1.066	0.968	0.938	0.954	0.910	1.017	10.82
72)		Anthracene	1.172	1.037	1.035	0.953	0.924	0.941	0.898	0.994	9.50
73)		Carbazole	1.112	0.959	0.976	0.892	0.865	0.872	0.823	0.928	10.47
74)		Di-n-butylphth...	1.373	1.077	1.098	1.019	0.987	1.014	0.967	1.076	12.88
75)	C	Fluoranthene	1.275	1.159	1.152	1.050	1.001	1.011	0.948	1.085	10.56
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.410	0.361	0.368	0.505	0.439	0.385	0.423	0.413	11.99
78)		Pyrene	1.566	1.495	1.606	1.688	1.704	1.839	1.784	1.669	7.28
79)	S	Terphenyl-d14	1.099	1.121	1.144	1.212	1.243	1.325	1.294	1.205	7.24
80)		Butylbenzylpht...	0.492	0.497	0.564	0.610	0.604	0.644	0.631	0.577	10.74
81)		Benzo(a)anthra...	1.478	1.343	1.346	1.301	1.232	1.280	1.223	1.315	6.59
82)		3,3'-Dichlorob...	0.429	0.419	0.407	0.349	0.329	0.328	0.312	0.367	13.39
83)		Chrysene	1.229	1.245	1.288	1.153	1.111	1.161	1.154	1.192	5.28
84)		Bis(2-ethylhex...	0.749	0.719	0.757	0.779	0.764	0.804	0.787	0.765	3.64
85)	c	Di-n-octyl pht...	1.238	1.050	1.094	1.030	0.998	1.047	1.065	1.074	7.25

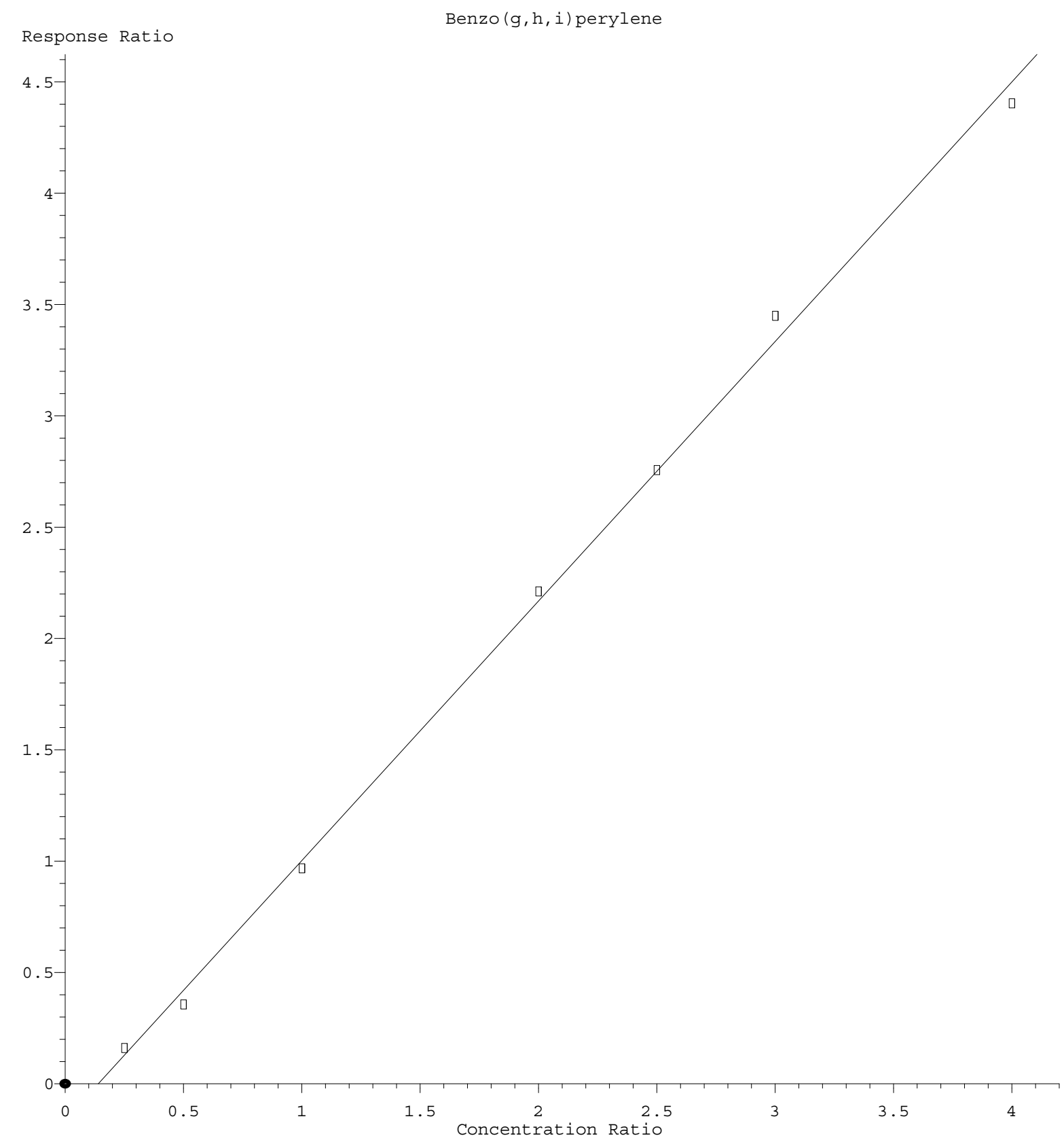
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF082024.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	0.909	0.873	1.124	1.298	1.308	1.369	1.311	1.171	17.57
88)		Benzo(b)fluora...	1.474	1.391	1.390	1.257	1.153	1.300	1.163	1.304	9.34
89)		Benzo(k)fluora...	1.051	1.220	1.288	1.076	1.019	0.935	1.014	1.086	11.44
90)	C	Benzo(a)pyrene	1.052	1.068	1.087	1.014	0.981	1.019	0.990	1.030	3.85
91)		Dibenzo(a,h)an...	0.745	0.724	0.922	1.078	1.071	1.115	1.071	0.961	17.30
92)		Benzo(g,h,i)pe...	0.641	0.713	0.968	1.106	1.102	1.150	1.101	0.969	21.47

(#) = Out of Range



Response = 3.510e-001 * Amt - 9.733e-002
Coef of Det (r^2) = 0.996297 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF082024.M
Calibration Table Last Updated: Wed Aug 21 01:25:05 2024



Response = 1.166e+000 * Amt - 1.629e-001
Coef of Det (r^2) = 0.998035 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF082024.M
Calibration Table Last Updated: Wed Aug 21 01:25:05 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139078.D
Acq On : 20 Aug 2024 17:10
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 21 00:37:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 00:32:15 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	93394	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	338986	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	207701	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	394517	20.000	ng	0.00
76) Chrysene-d12	14.051	240	299691	20.000	ng	0.00
86) Perylene-d12	15.527	264	334467	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.292	70	15737	3.208	ng	94

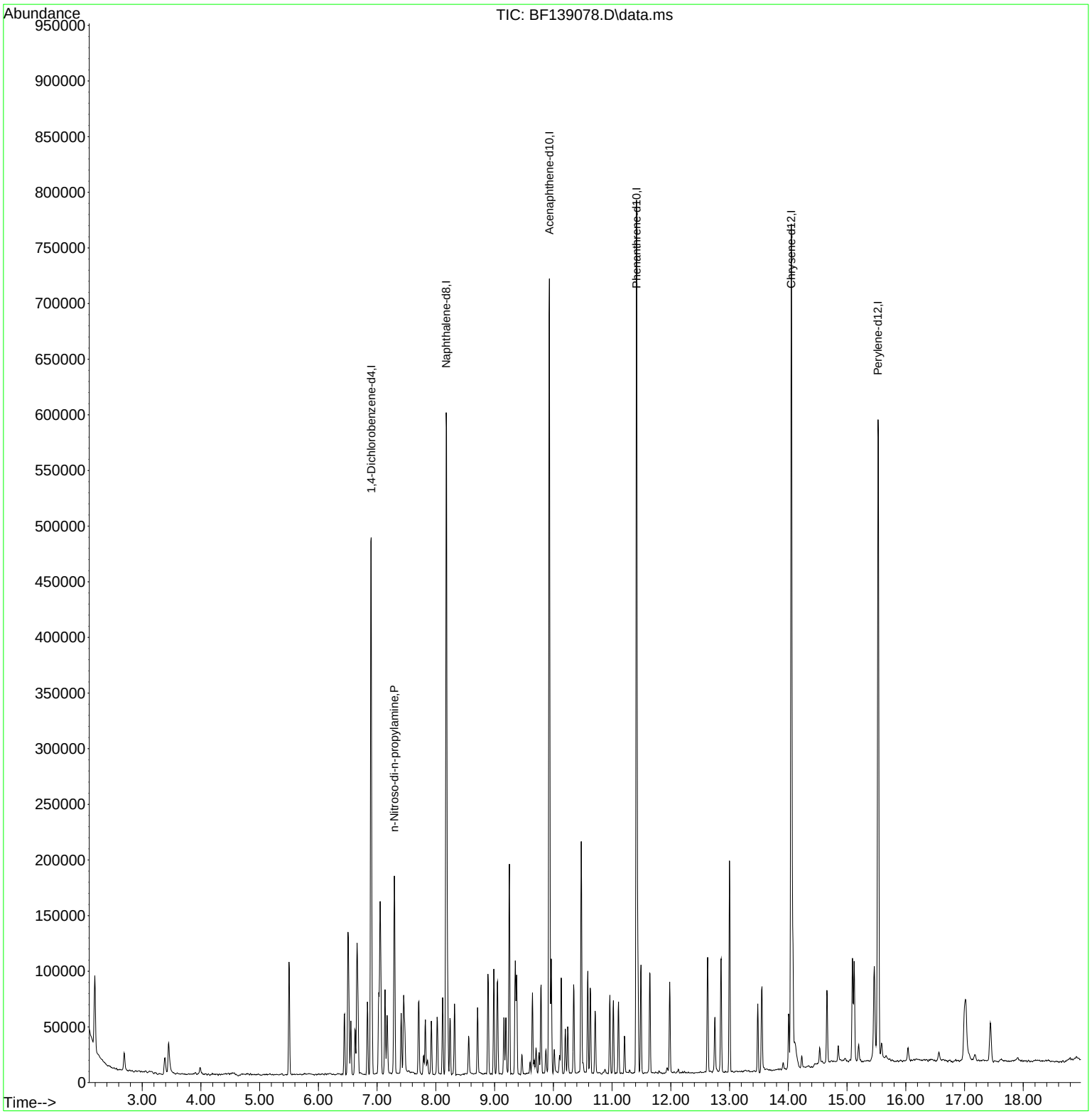
(#) = qualifier out of range (m) = manual integration (+) = signals summed

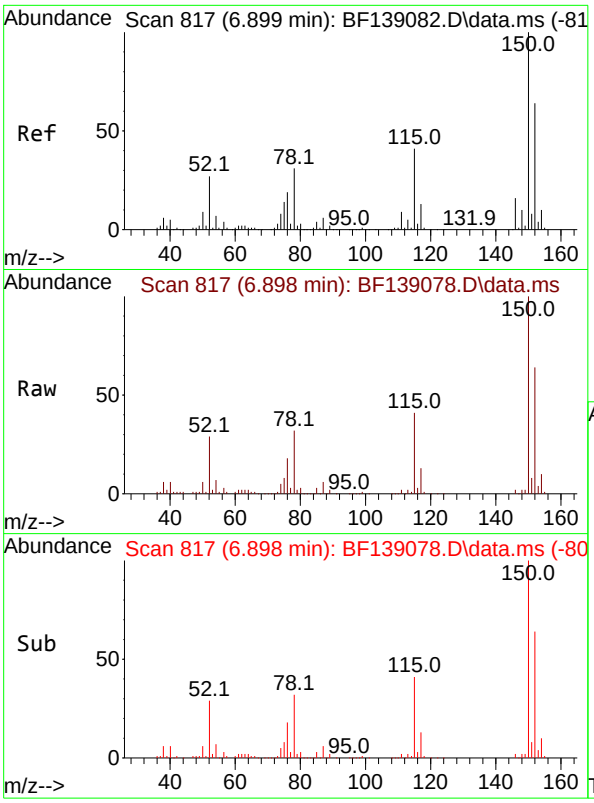
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139078.D
Acq On : 20 Aug 2024 17:10
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 21 00:37:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 00:32:15 2024
Response via : Initial Calibration



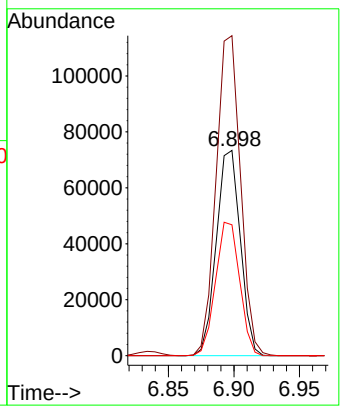


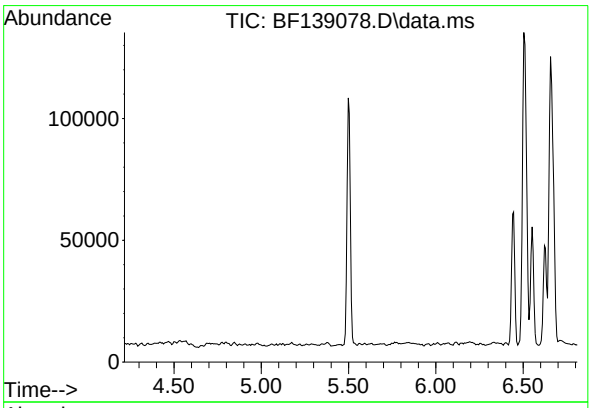
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 93394

Ion	Ratio	Lower	Upper
152	100		
150	155.9	125.1	187.7
115	63.8	51.8	77.6



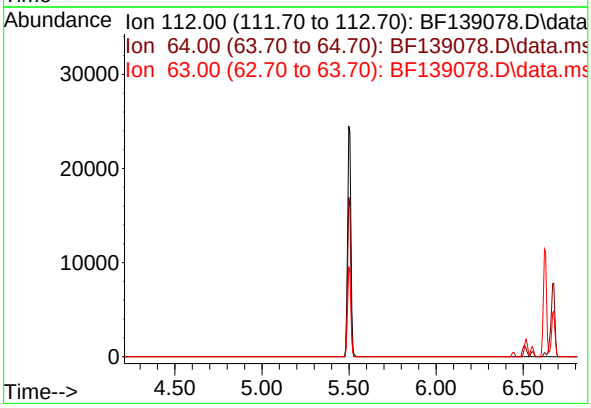


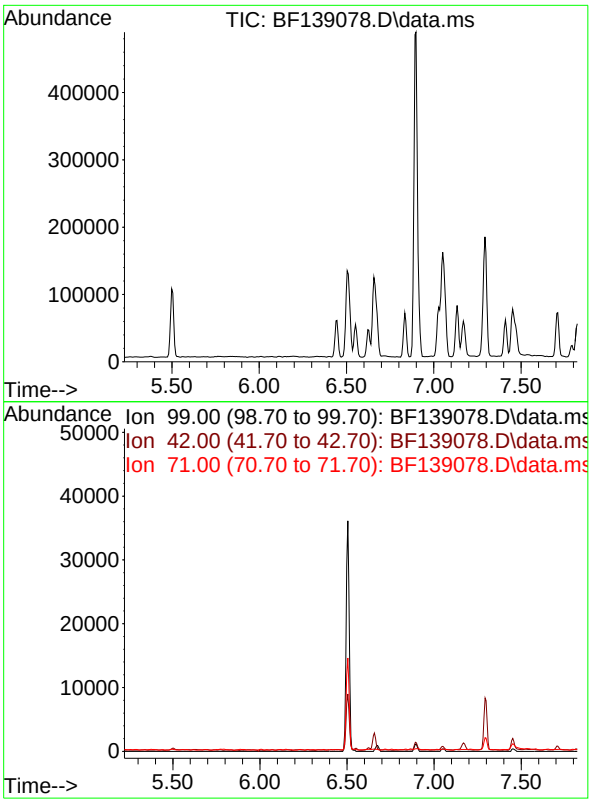
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.51 min

Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	67.2
63	36.8





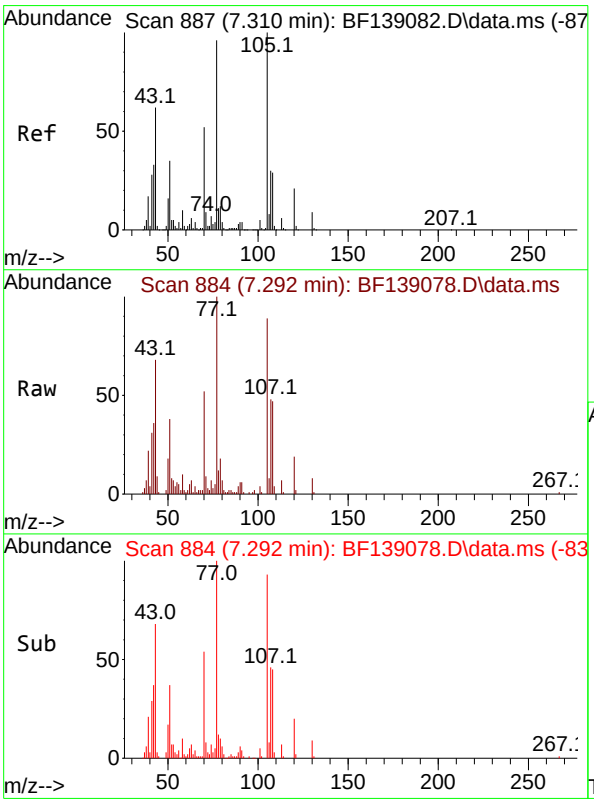
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.52 min

Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

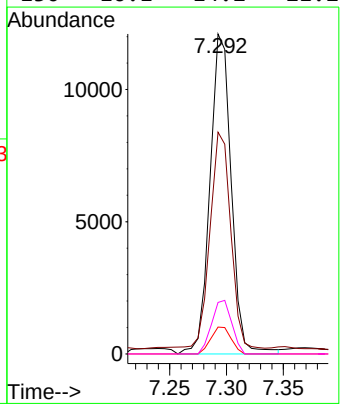
Sig	Exp Ratio
99	100
42	21.8
71	39.0

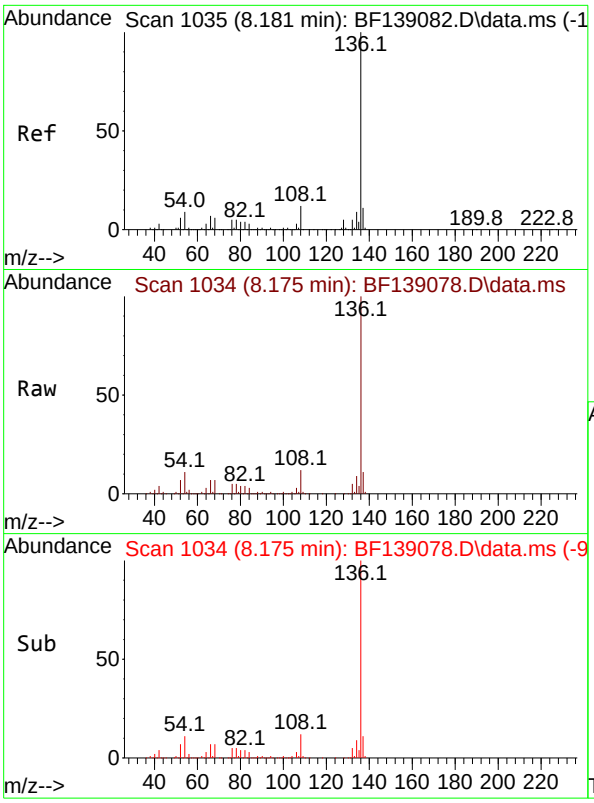


#19
n-Nitroso-di-n-propylamine
Concen: 3.208 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.018 min
Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Tgt Ion: 70 Resp: 15737

Ion	Ratio	Lower	Upper
70	100		
42	69.3	50.5	75.7
101	8.4	7.2	10.8
130	16.1	14.2	21.2



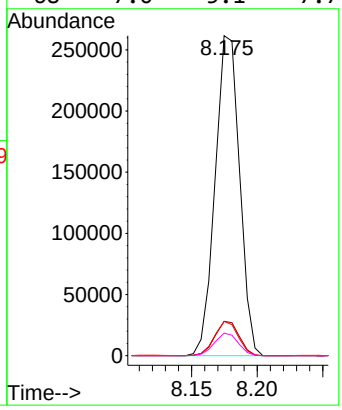


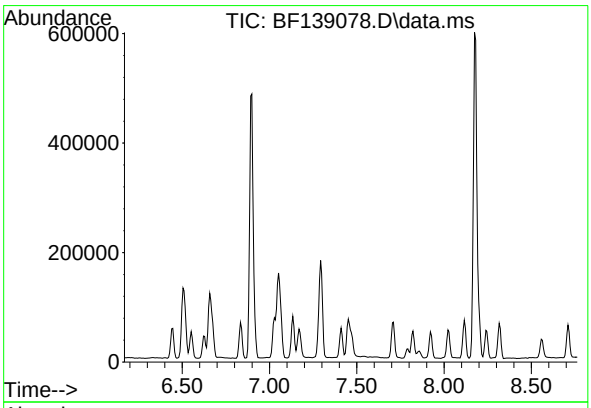
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 338986

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	10.7	7.6	11.4
68	7.0	5.1	7.7



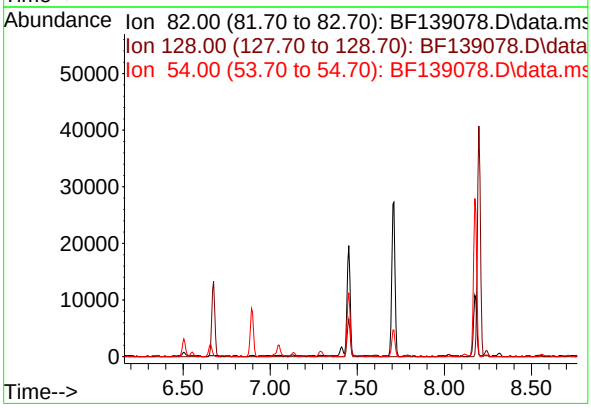


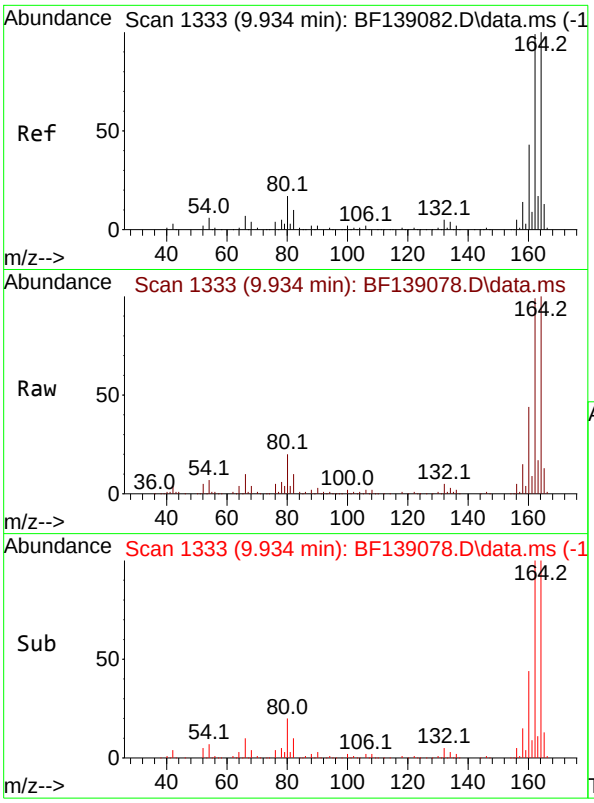
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.46 min

Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	36.2
54	54.3



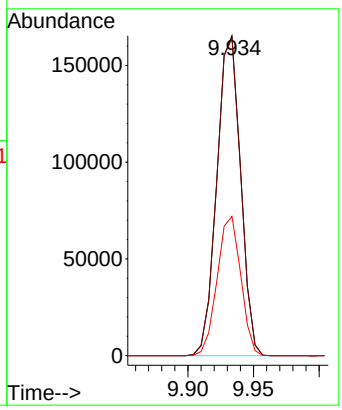


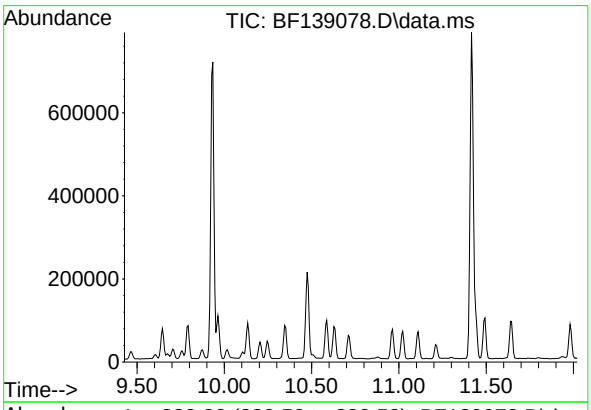
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 207701

Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.5	119.3
160	43.6	34.5	51.7



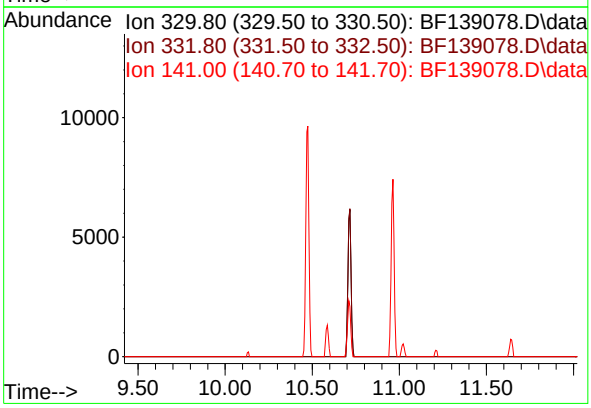


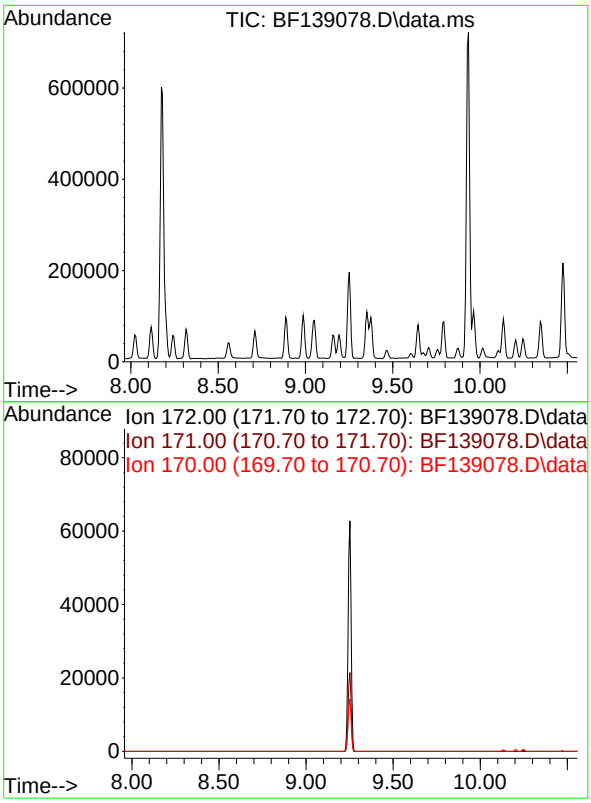
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.72 min

Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.3
141	34.4





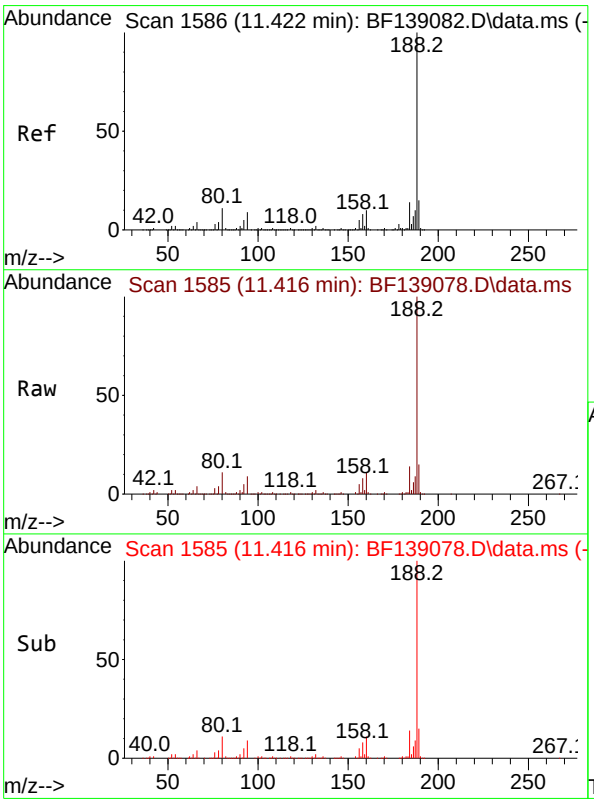
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.26 min

Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

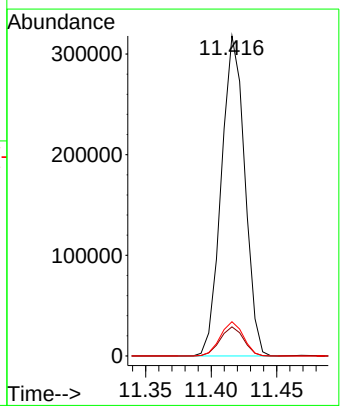
Sig	Exp Ratio
172	100
171	35.5
170	23.5

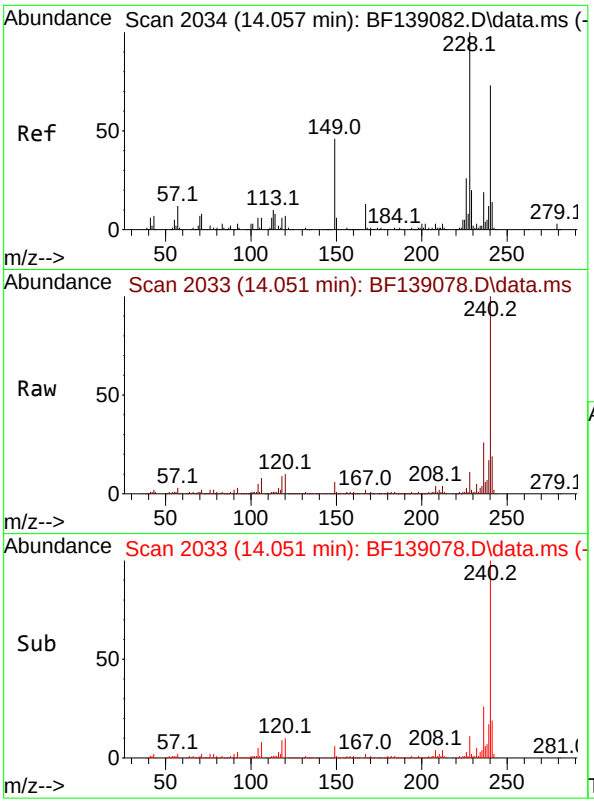


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Tgt Ion:188 Resp: 394517

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	10.7	8.5	12.7



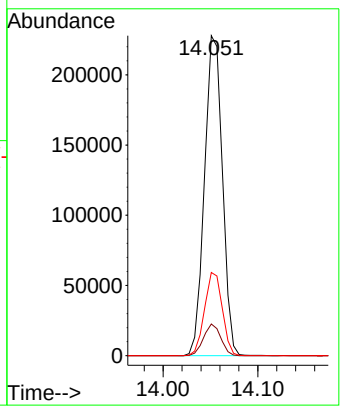


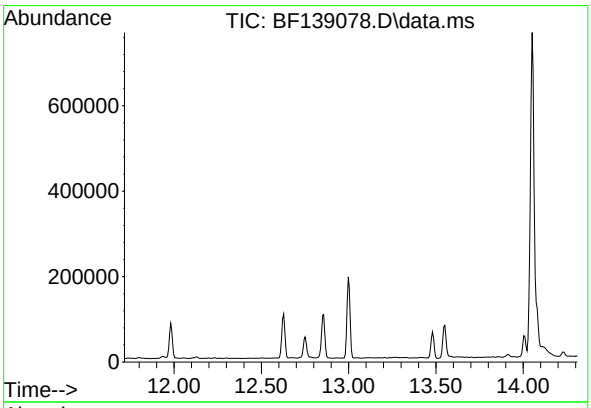
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 299691

Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.8	11.6
236	26.0	20.9	31.3



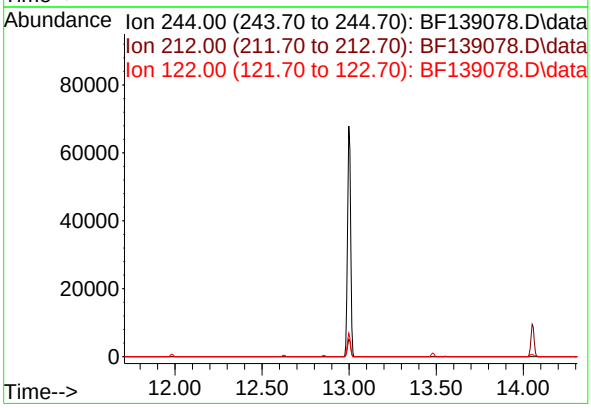


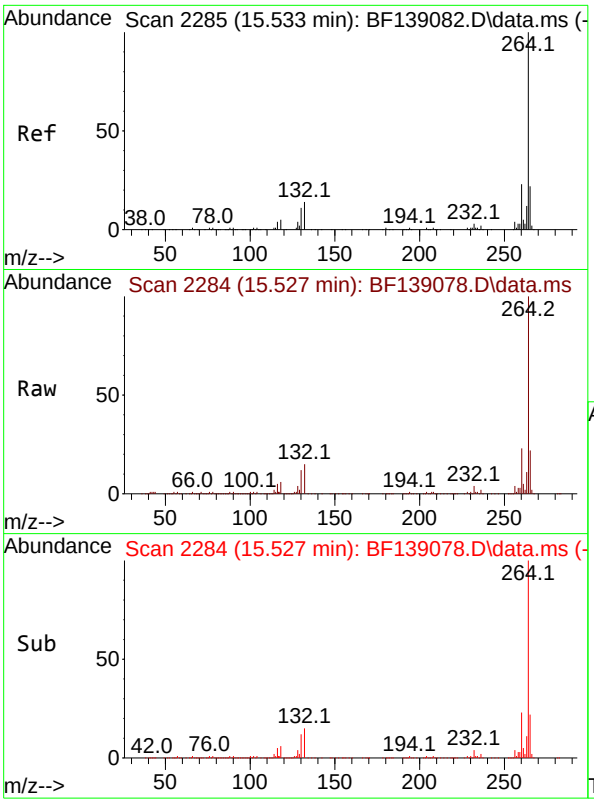
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.01 min

Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.2
122	9.5



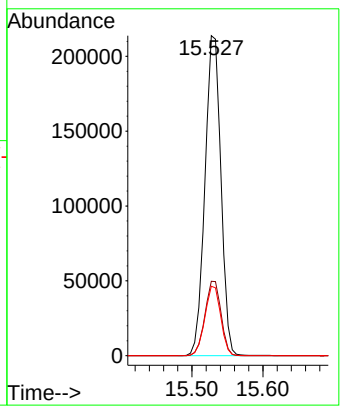


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 334467

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.7	17.4	26.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139079.D
Acq On : 20 Aug 2024 17:40
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Aug 21 01:11:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	57045	20.000	ng		0.00
21) Naphthalene-d8	8.180	136	256989	20.000	ng		0.00
39) Acenaphthene-d10	9.933	164	141352	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	242346	20.000	ng		0.00
76) Chrysene-d12	14.051	240	197332	20.000	ng		0.00
86) Perylene-d12	15.527	264	208745	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	47665	12.855	ng		0.00
7) Phenol-d6	6.504	99	58702	12.253	ng		-0.02
23) Nitrobenzene-d5	7.451	82	35245	7.991	ng		-0.01
42) 2,4,6-Tribromophenol	10.716	330	9359	7.314	ng		0.00
45) 2-Fluorobiphenyl	9.251	172	107879	12.109	ng		0.00
79) Terphenyl-d14	12.998	244	108467	9.121	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.693	88	8428	5.300	ng	#	88
3) Pyridine	3.446	79	22149	5.481	ng	#	82
4) n-Nitrosodimethylamine	3.387	42	17500	7.168	ng	#	80
6) Aniline	6.551	93	27137	6.274	ng		95
8) 2-Chlorophenol	6.675	128	21800	6.113	ng		97
10) Phenol	6.522	94	30387m	6.096	ng		
11) bis(2-Chloroethyl)ether	6.628	93	27277	6.830	ng		93
12) 1,3-Dichlorobenzene	6.834	146	26422	6.162	ng		93
13) 1,4-Dichlorobenzene	6.916	146	25715	5.998	ng		99
14) 1,2-Dichlorobenzene	7.063	146	21557	5.502	ng		98
15) Benzyl Alcohol	7.028	79	22935	6.057	ng		94
16) 2,2'-oxybis(1-Chloropr...	7.169	45	38401	6.800	ng		97
17) 2-Methylphenol	7.133	107	17809	5.837	ng		93
18) Hexachloroethane	7.410	117	9655	6.422	ng		98
19) n-Nitroso-di-n-propyla...	7.298	70	20463	6.504	ng	#	88
20) 3+4-Methylphenols	7.286	107	24332	6.155	ng		95
22) Acetophenone	7.298	105	34799	5.303	ng	#	90
24) Nitrobenzene	7.469	77	21057	4.295	ng		91
25) Isophorone	7.710	82	49355	5.265	ng		98
26) 2-Nitrophenol	7.792	139	4091	7.707	ng		90
27) 2,4-Dimethylphenol	7.822	122	17686	5.950	ng		99
28) bis(2-Chloroethoxy)met...	7.922	93	31434	5.739	ng		99
29) 2,4-Dichlorophenol	8.028	162	18852	5.091	ng		99
30) 1,2,4-Trichlorobenzene	8.116	180	23799	5.488	ng		98
31) Naphthalene	8.198	128	70061	5.380	ng		99
33) 4-Chloroaniline	8.245	127	22945	5.145	ng		94
34) Hexachlorobutadiene	8.316	225	15035	5.308	ng		98
35) Caprolactam	8.569	113	5765	4.911	ng	#	78
36) 4-Chloro-3-methylphenol	8.710	107	21399	5.219	ng		97
37) 2-Methylnaphthalene	8.886	142	48689	5.829	ng		100
38) 1-Methylnaphthalene	8.986	142	43505	5.396	ng		100
40) 1,2,4,5-Tetrachloroben...	9.051	216	31957	5.793	ng		95
41) Hexachlorocyclopentadiene	9.045	237	7142	4.802	ng		99
43) 2,4,6-Trichlorophenol	9.163	196	14406	5.516	ng		99
44) 2,4,5-Trichlorophenol	9.192	196	14166	5.285	ng		95
46) 1,1'-Biphenyl	9.351	154	47097	4.864	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139079.D
Acq On : 20 Aug 2024 17:40
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Aug 21 01:11:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-Chloronaphthalene	9.375	162	42691	5.426	ng		99
48) 2-Nitroaniline	9.463	65	5652	7.868	ng	#	83
49) Acenaphthylene	9.792	152	58505	5.191	ng		99
50) Dimethylphthalate	9.645	163	43778	5.017	ng		98
51) 2,6-Dinitrotoluene	9.710	165	3282	6.216	ng	#	73
52) Acenaphthene	9.963	154	41719	5.604	ng		99
53) 3-Nitroaniline	9.874	138	4355	6.420	ng	#	76
55) Dibenzofuran	10.133	168	56918	5.264	ng		99
57) 2,4-Dinitrotoluene	10.104	165	3835	7.091	ng	#	67
58) Fluorene	10.474	166	49312	5.706	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.204	232	9162	4.257	ng		100
60) Diethylphthalate	10.351	149	45043	5.209	ng		97
61) 4-Chlorophenyl-phenyle...	10.474	204	24840	5.755	ng		98
62) 4-Nitroaniline	10.480	138	4902	6.235	ng	#	76
63) Azobenzene	10.627	77	53740	5.593	ng		91
66) n-Nitrosodiphenylamine	10.586	169	42842	5.975	ng		100
67) 4-Bromophenyl-phenylether	10.963	248	13787	5.369	ng		92
68) Hexachlorobenzene	11.021	284	15428	5.600	ng		97
69) Atrazine	11.110	200	14600	6.667	ng		97
70) Pentachlorophenol	11.210	266	8196	4.657	ng		95
71) Phenanthrene	11.439	178	74418	6.041	ng		99
72) Anthracene	11.492	178	70978	5.892	ng		98
73) Carbazole	11.645	167	67389	5.991	ng		100
74) Di-n-butylphthalate	11.980	149	83170	6.376	ng		99
75) Fluoranthene	12.627	202	77258	5.876	ng		98
77) Benzidine	12.751	184	20231	4.963	ng		99
78) Pyrene	12.857	202	77260	4.692	ng		99
80) Butylbenzylphthalate	13.480	149	24272	4.260	ng		92
81) Benzo(a)anthracene	14.045	228	72891	5.619	ng		99
82) 3,3'-Dichlorobenzidine	14.004	252	21174	5.840	ng		98
83) Chrysene	14.080	228	60621	5.156	ng		98
84) Bis(2-ethylhexyl)phtha...	14.045	149	36952	4.892	ng		100
85) Di-n-octyl phthalate	14.657	149	61061	5.760	ng		95
87) Indeno(1,2,3-cd)pyrene	16.998	276	47457	3.885	ng		97
88) Benzo(b)fluoranthene	15.092	252	76926	5.653	ng		99
89) Benzo(k)fluoranthene	15.121	252	54822	4.837	ng		99
90) Benzo(a)pyrene	15.462	252	54925	5.108	ng		98
91) Dibenzo(a,h)anthracene	17.021	278	38904	3.879	ng		98
92) Benzo(g,h,i)perylene	17.445	276	33473	5.546	ng		98

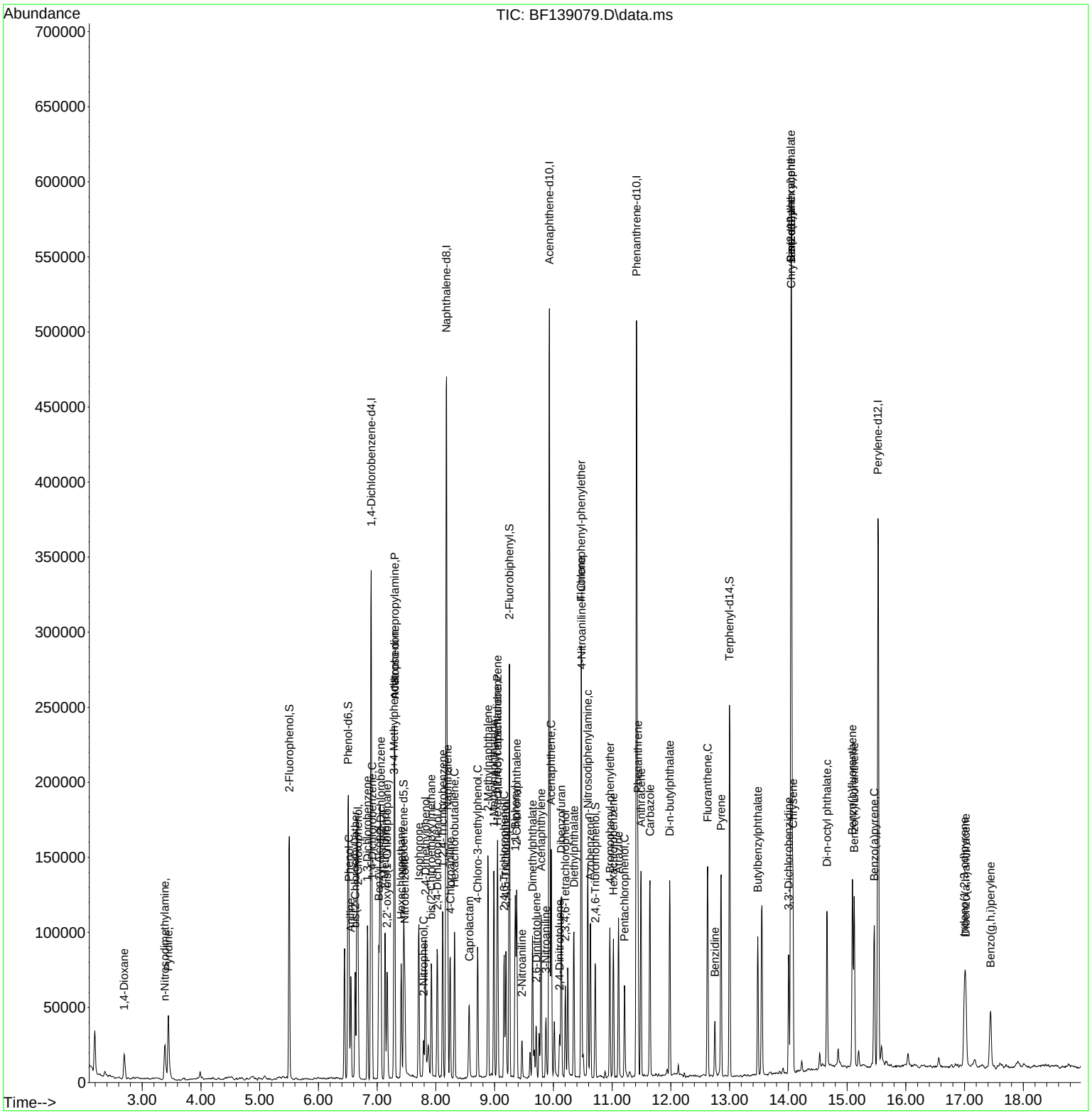
(#) = qualifier out of range (m) = manual integration (+) = signals summed

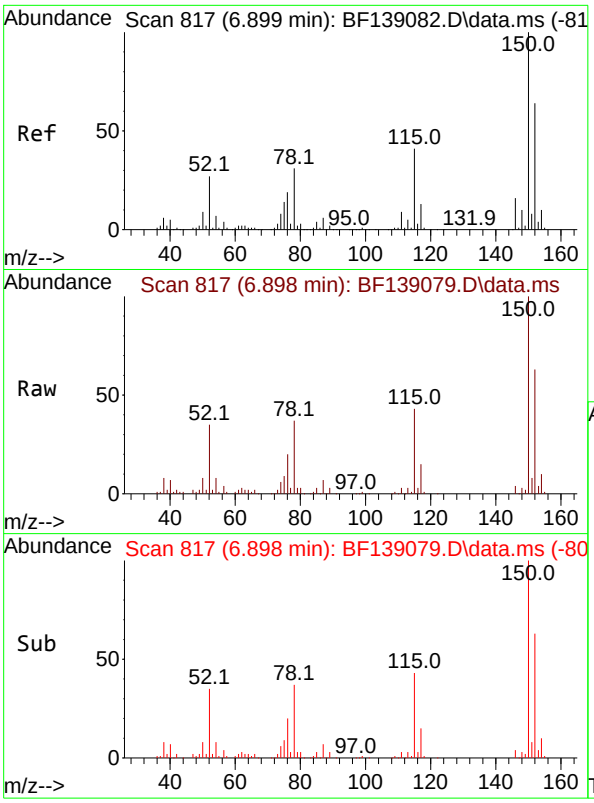
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139079.D
Acq On : 20 Aug 2024 17:40
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Aug 21 01:11:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration



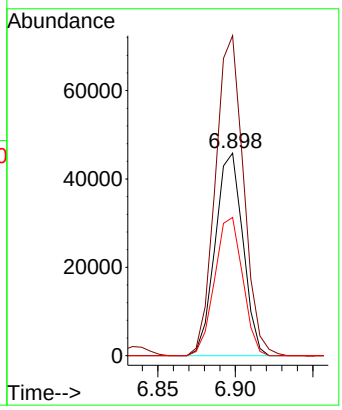


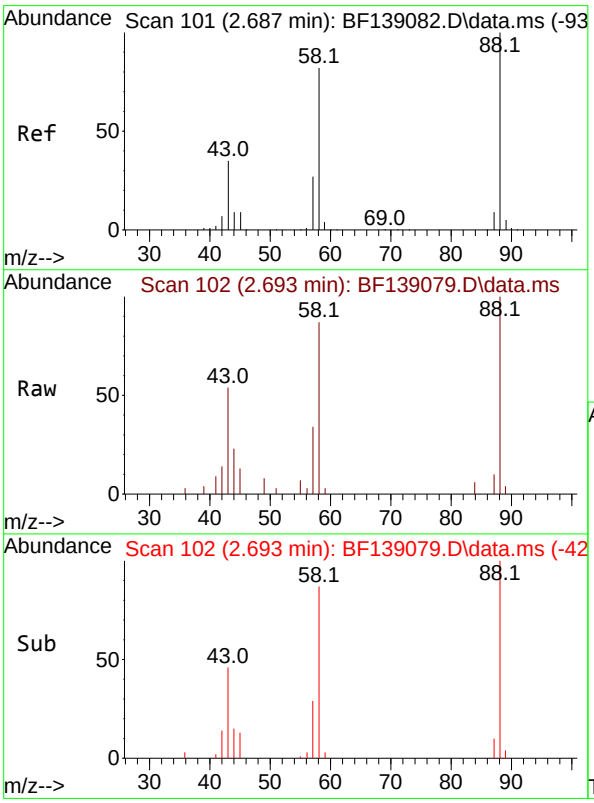
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 57045

Ion	Ratio	Lower	Upper
152	100		
150	158.0	125.1	187.7
115	68.3	51.8	77.6

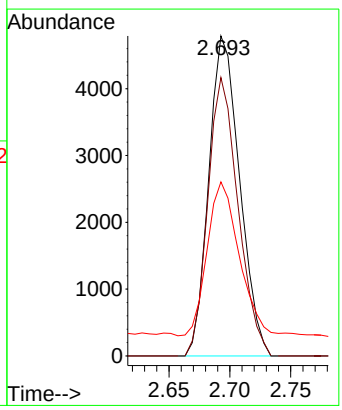


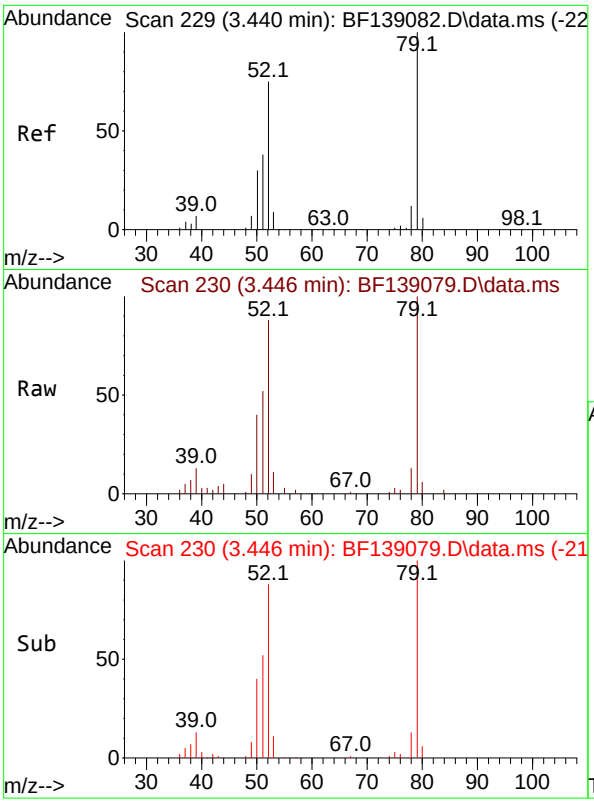


#2
1,4-Dioxane
Concen: 5.300 ng
RT: 2.693 min Scan# 102
Delta R.T. 0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 88 Resp: 8428

Ion	Ratio	Lower	Upper
88	100		
58	85.5	65.4	98.0
43	52.5	27.9	41.9#



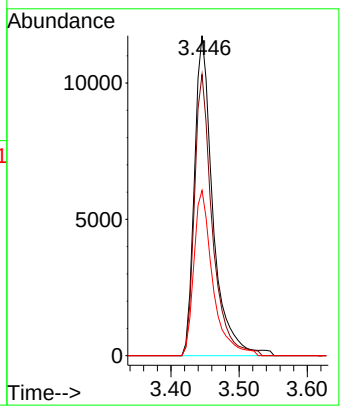


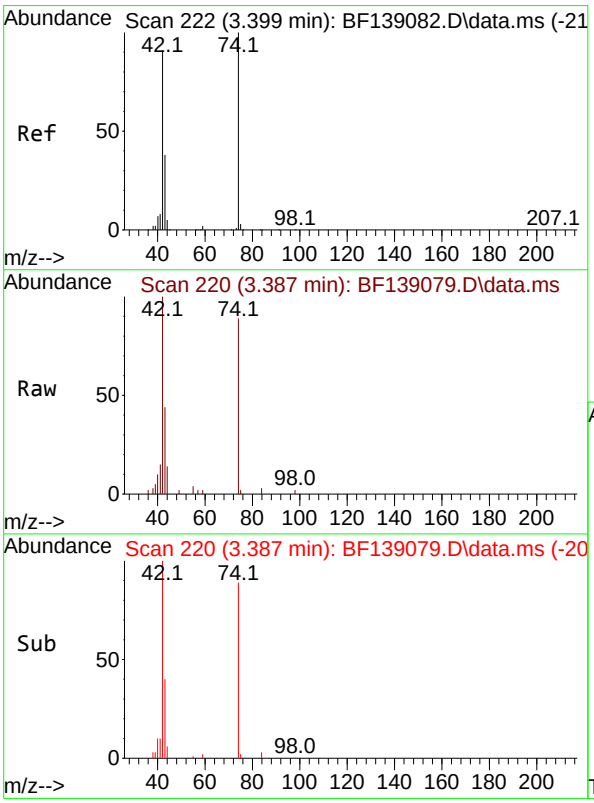
#3
Pyridine
Concen: 5.481 ng
RT: 3.446 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 22149

Ion	Ratio	Lower	Upper
79	100		
52	87.9	59.7	89.5
51	51.7	30.6	45.8#

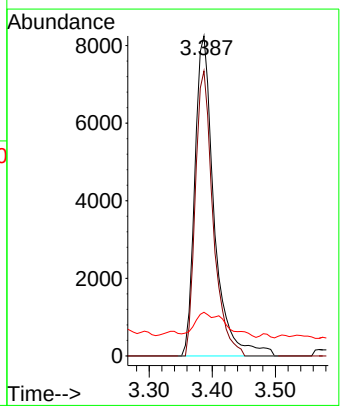


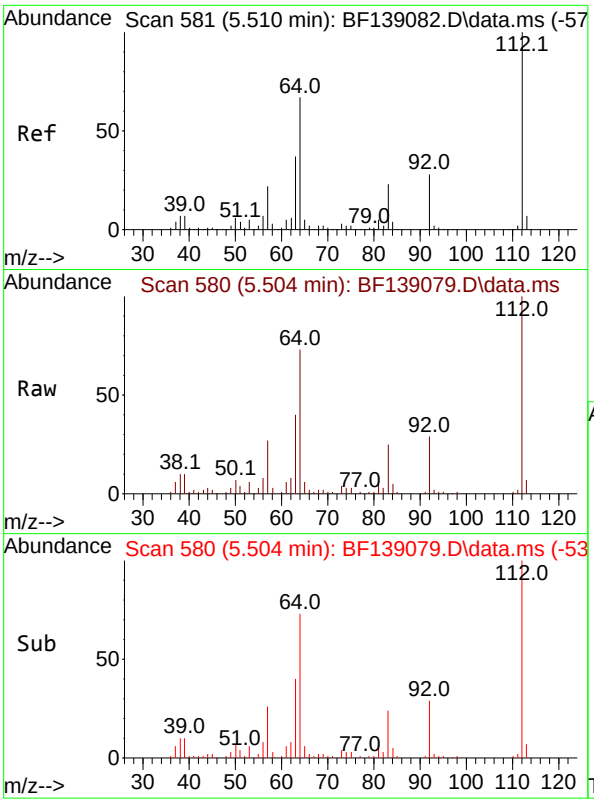


#4
n-Nitrosodimethylamine
Concen: 7.168 ng
RT: 3.387 min Scan# 220
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 42 Resp: 17500

Ion	Ratio	Lower	Upper
42	100		
74	89.1	88.2	132.2
44	13.6	5.4	8.0#



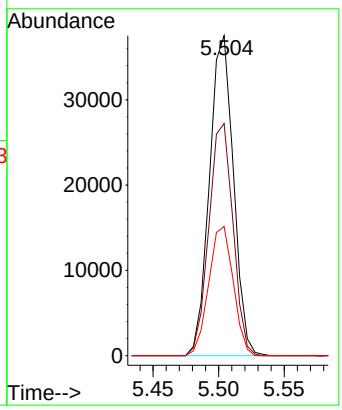


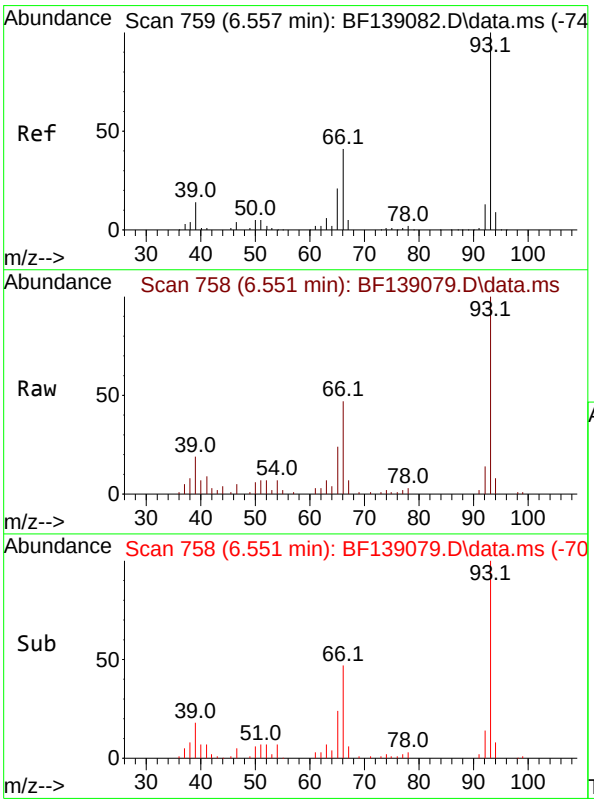
#5
2-Fluorophenol
Concen: 12.855 ng
RT: 5.504 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 47665

Ion	Ratio	Lower	Upper
112	100		
64	72.5	53.8	80.6
63	40.4	29.4	44.2

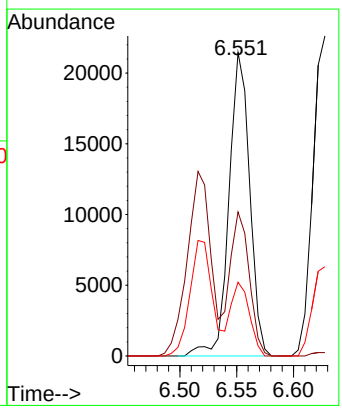


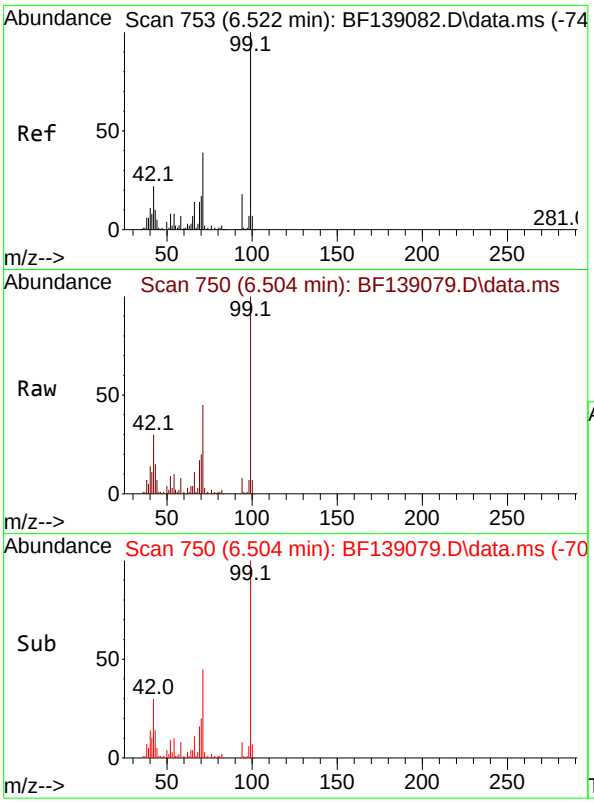


#6
Aniline
Concen: 6.274 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 93 Resp: 27137

Ion	Ratio	Lower	Upper
93	100		
66	47.4	35.1	52.7
65	24.3	17.4	26.2



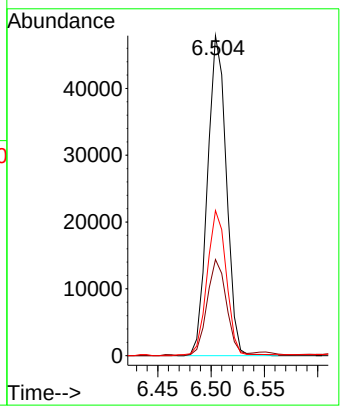


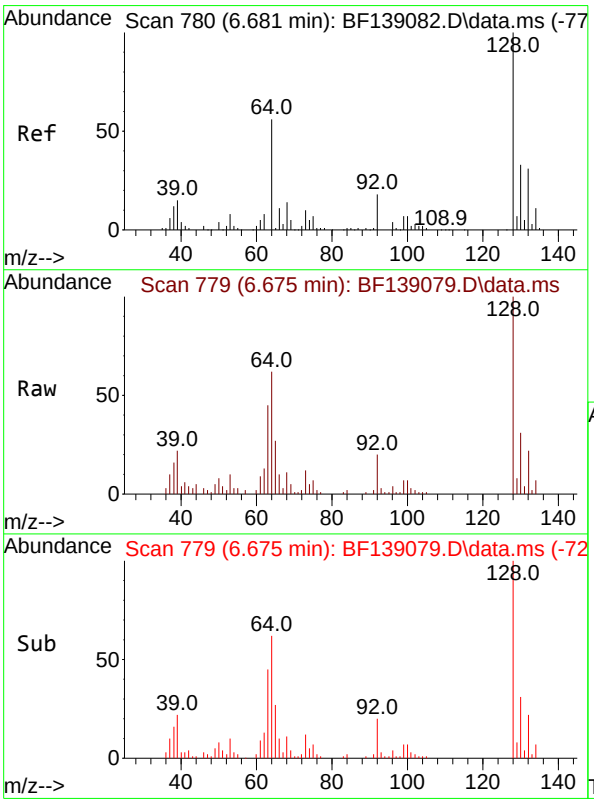
#7
Phenol-d6
Concen: 12.253 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 58702

Ion	Ratio	Lower	Upper
99	100		
42	30.0	17.4	26.2#
71	45.4	31.2	46.8

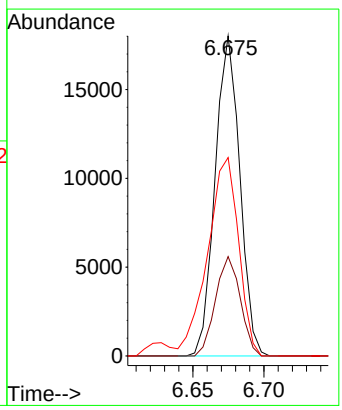


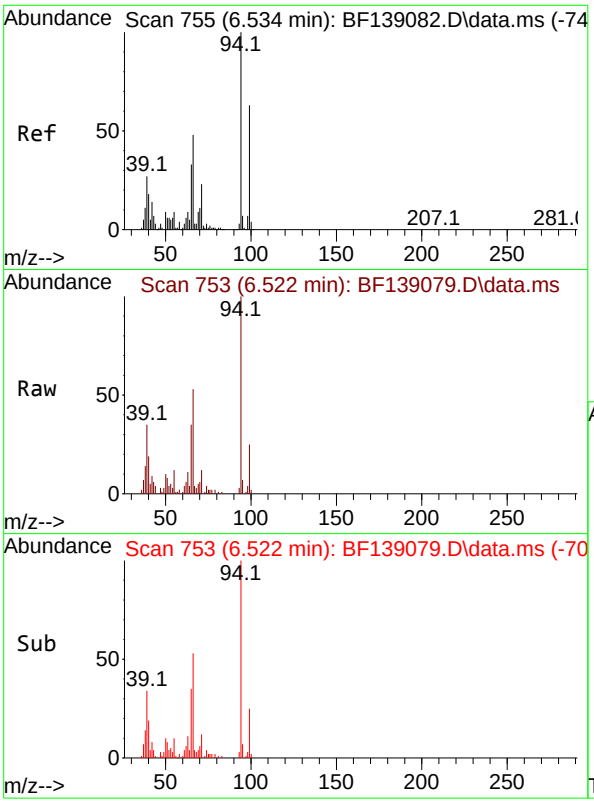


#8
2-Chlorophenol
Concen: 6.113 ng
RT: 6.675 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:128 Resp: 21800

Ion	Ratio	Lower	Upper
128	100		
130	31.1	12.6	52.6
64	62.0	39.1	79.1



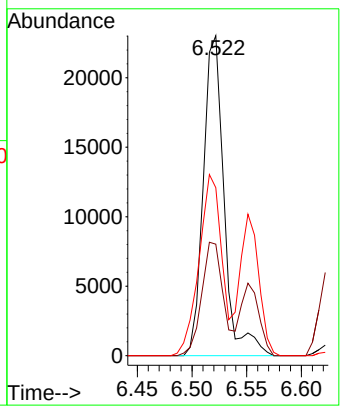


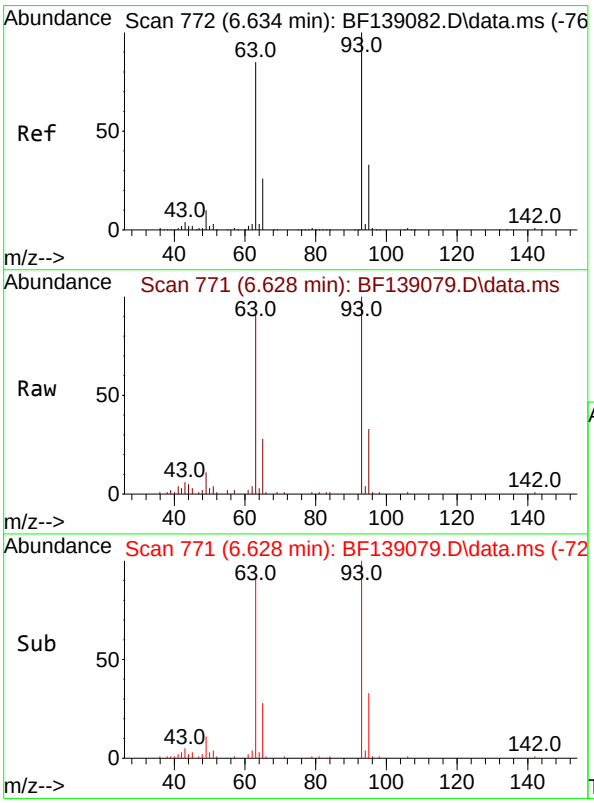
#10
Phenol
Concen: 6.096 ng m
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 94 Resp: 30387

Ion	Ratio	Lower	Upper
94	100		
65	34.9	13.5	53.5
66	52.5	28.5	68.5

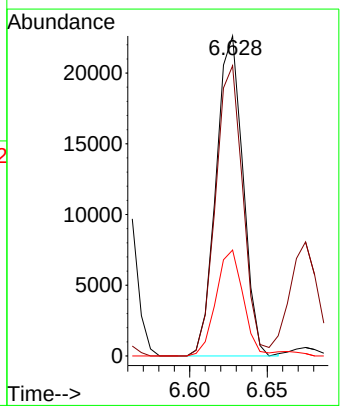


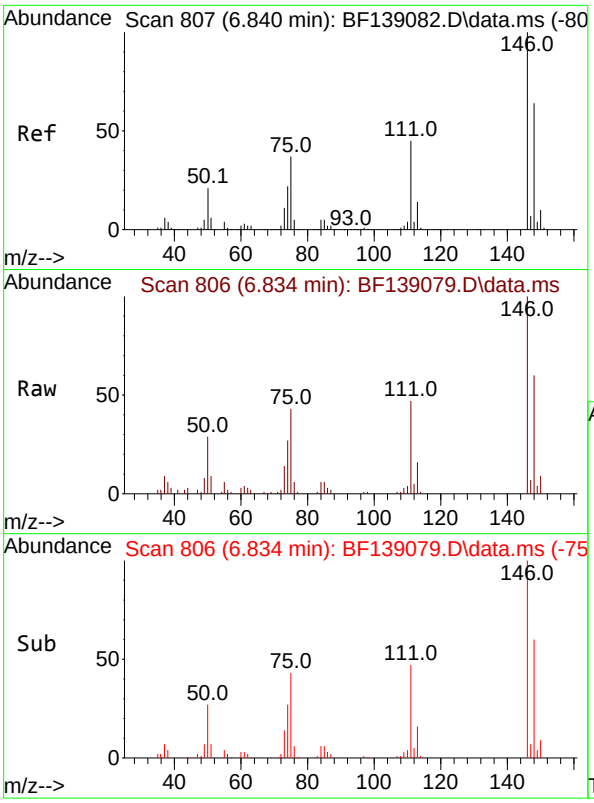


#11
bis(2-Chloroethyl)ether
Concen: 6.830 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 93 Resp: 27277

Ion	Ratio	Lower	Upper
93	100		
63	90.7	62.7	102.7
95	33.1	11.9	51.9



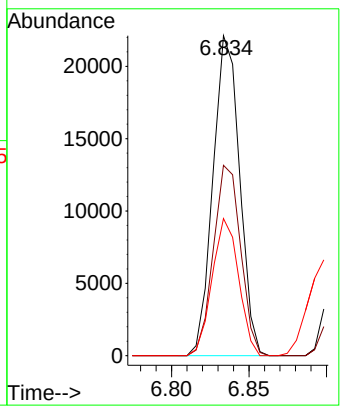


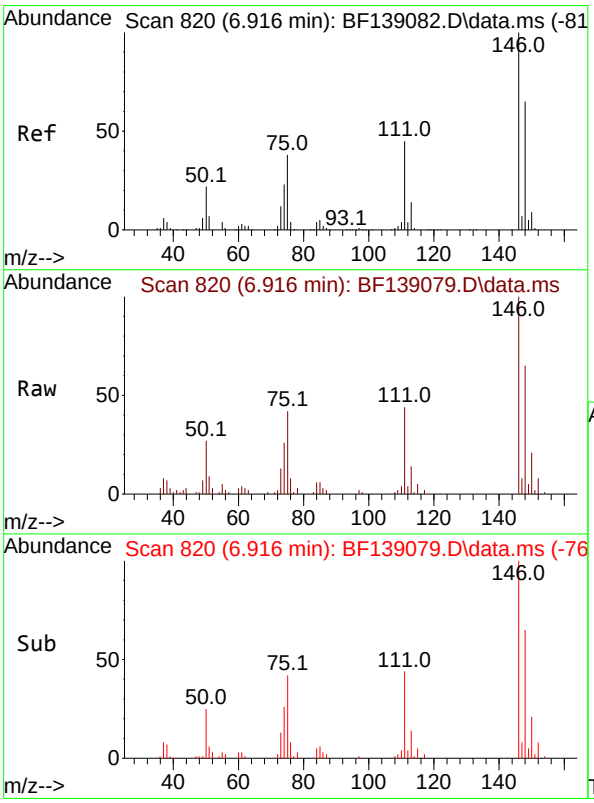
#12
1,3-Dichlorobenzene
Concen: 6.162 ng
RT: 6.834 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 26422

Ion	Ratio	Lower	Upper
146	100		
148	59.5	51.2	76.8
75	42.9	29.9	44.9

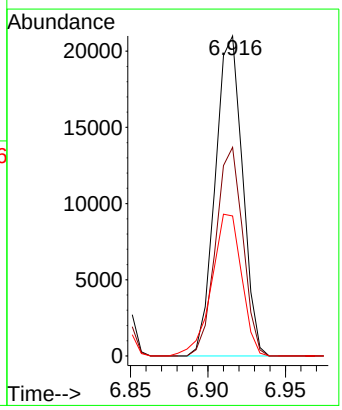


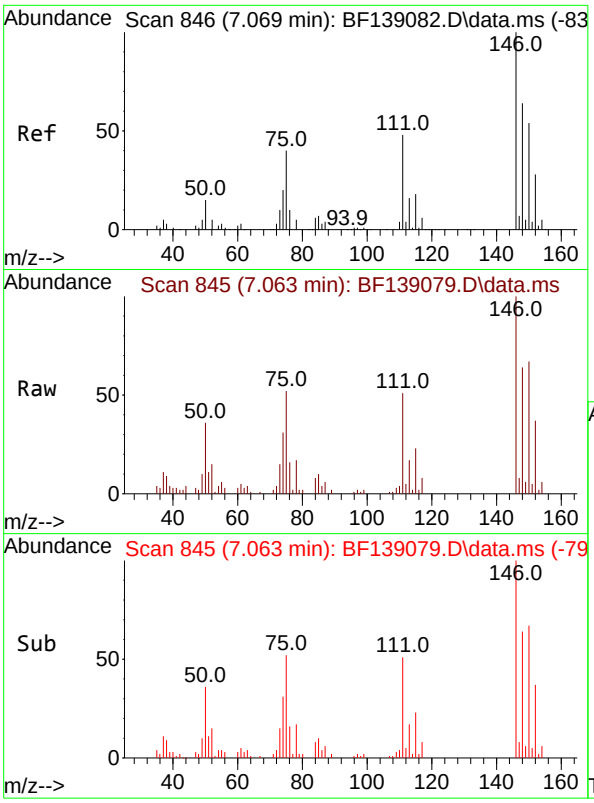


#13
1,4-Dichlorobenzene
Concen: 5.998 ng
RT: 6.916 min Scan# 820
Delta R.T. -0.000 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:146 Resp: 25715

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.9	77.9
111	43.7	35.8	53.6



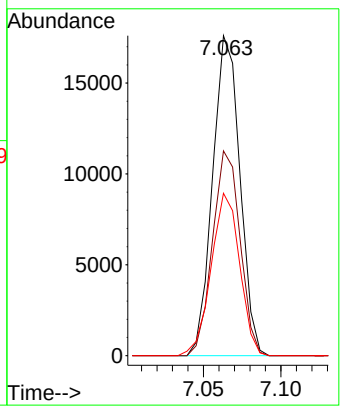


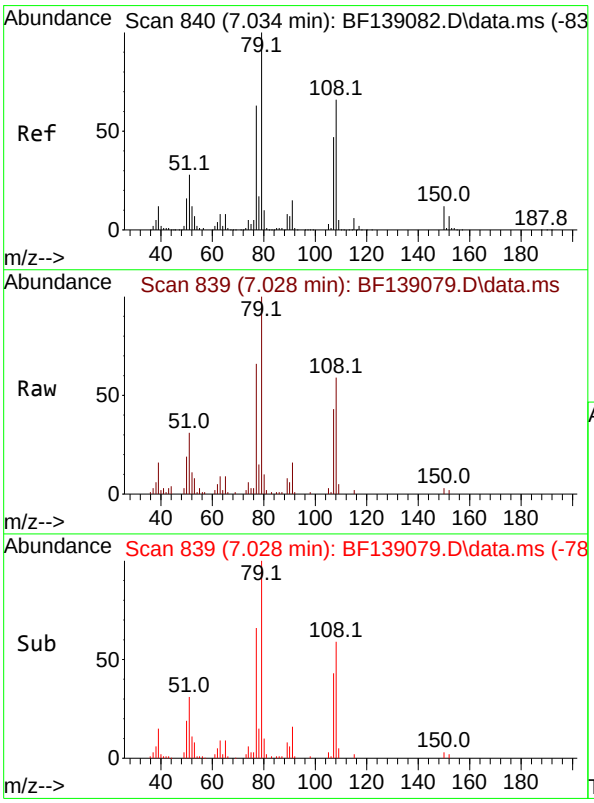
#14
1,2-Dichlorobenzene
Concen: 5.502 ng
RT: 7.063 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 21557

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.2
111	50.7	38.1	57.1

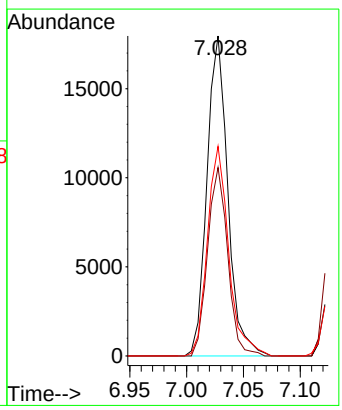


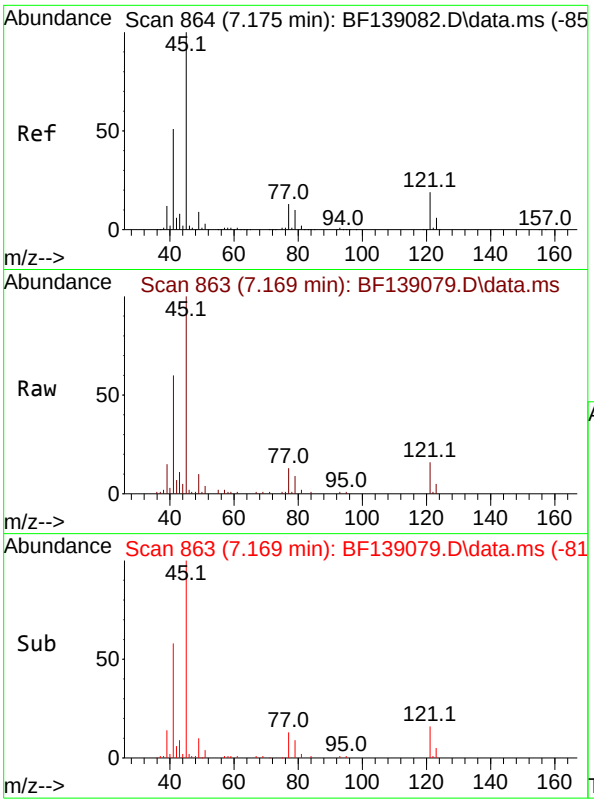


#15
Benzyl Alcohol
Concen: 6.057 ng
RT: 7.028 min Scan# 839
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 79 Resp: 22935

Ion	Ratio	Lower	Upper
79	100		
108	58.9	52.8	79.2
77	65.5	50.6	76.0



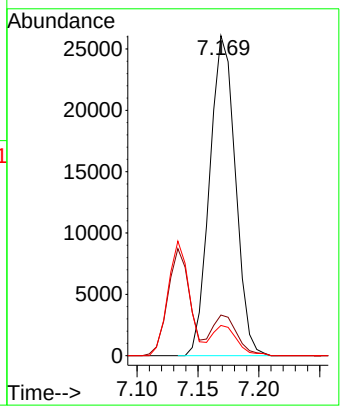


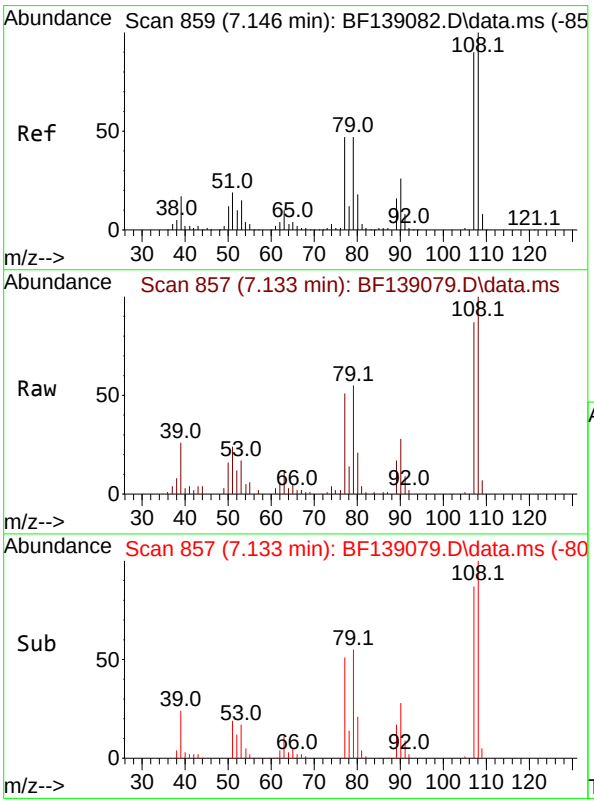
#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.800 ng
RT: 7.169 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 38401

Ion	Ratio	Lower	Upper
45	100		
77	12.7	0.0	33.7
79	9.4	0.0	30.4

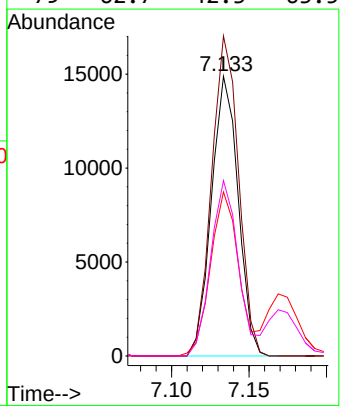


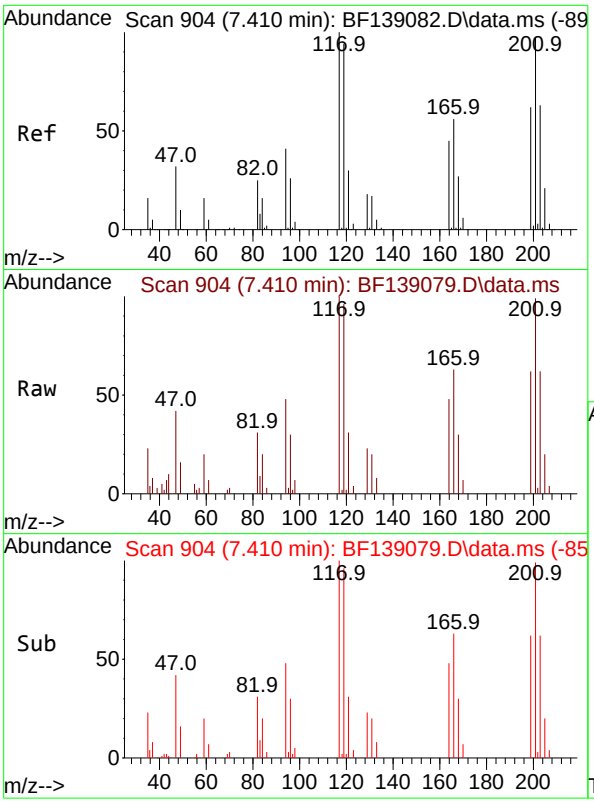


#17
2-Methylphenol
Concen: 5.837 ng
RT: 7.133 min Scan# 857
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:107 Resp: 17809

Ion	Ratio	Lower	Upper
107	100		
108	114.4	89.1	133.7
77	58.6	42.1	63.1
79	62.7	42.3	63.5



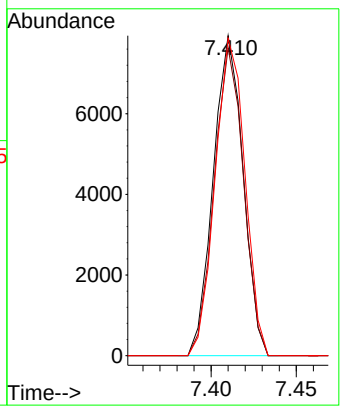


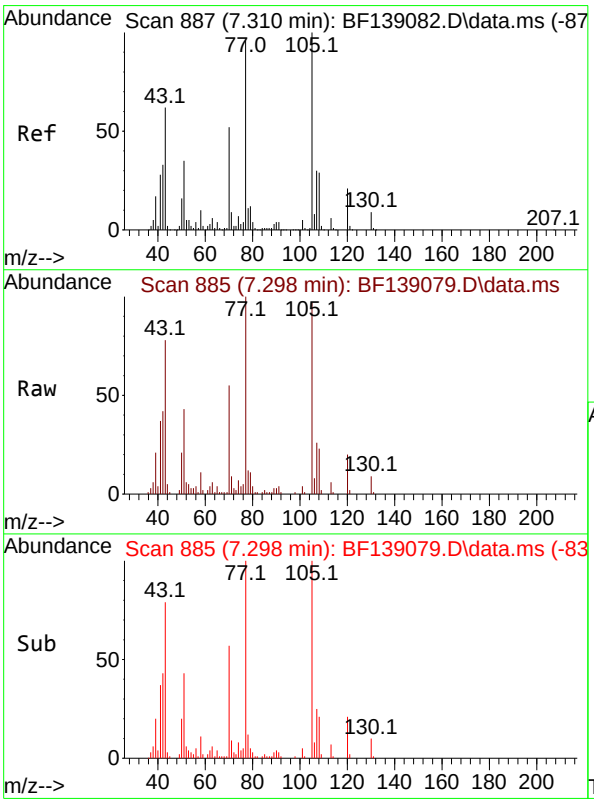
#18
Hexachloroethane
Concen: 6.422 ng
RT: 7.410 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:117 Resp: 9655

Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.5	113.3
201	99.2	77.8	116.8

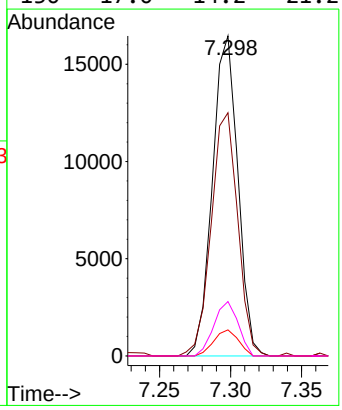


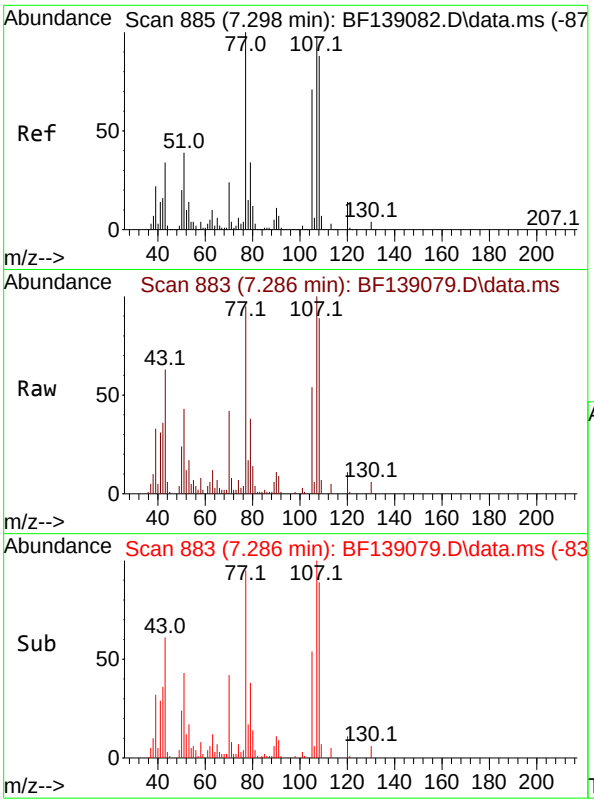


#19
n-Nitroso-di-n-propylamine
Concen: 6.504 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 70 Resp: 20463

Ion	Ratio	Lower	Upper
70	100		
42	76.0	50.5	75.7#
101	8.1	7.2	10.8
130	17.0	14.2	21.2



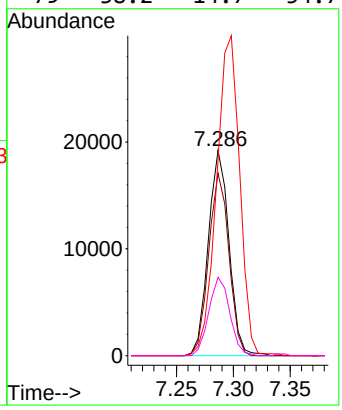


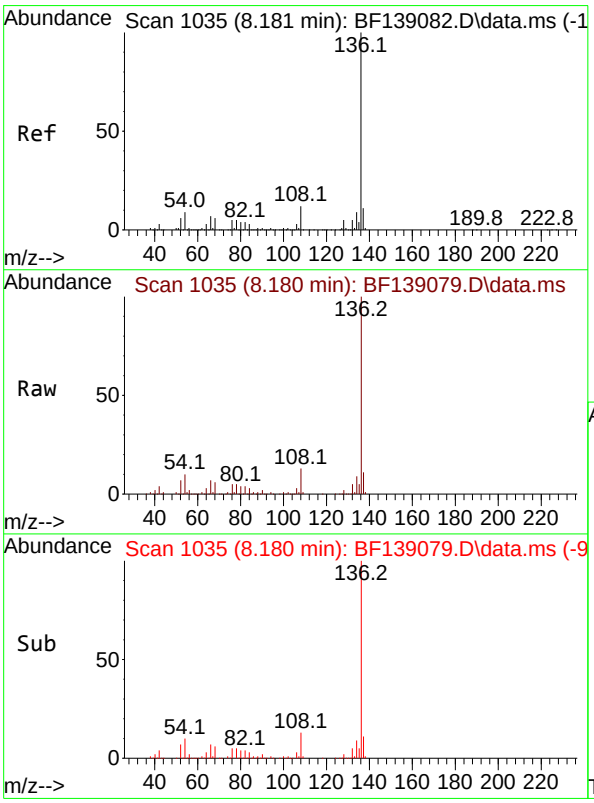
#20
3+4-Methylphenols
Concen: 6.155 ng
RT: 7.286 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 24332

Ion	Ratio	Lower	Upper
107	100		
108	88.9	70.2	110.2
77	95.5	82.7	122.7
79	38.2	14.7	54.7

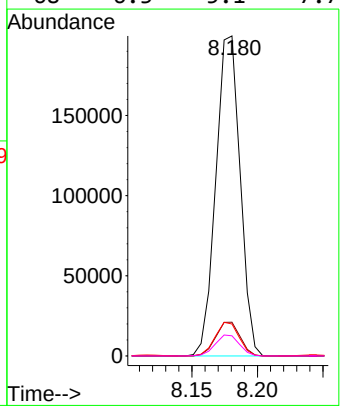


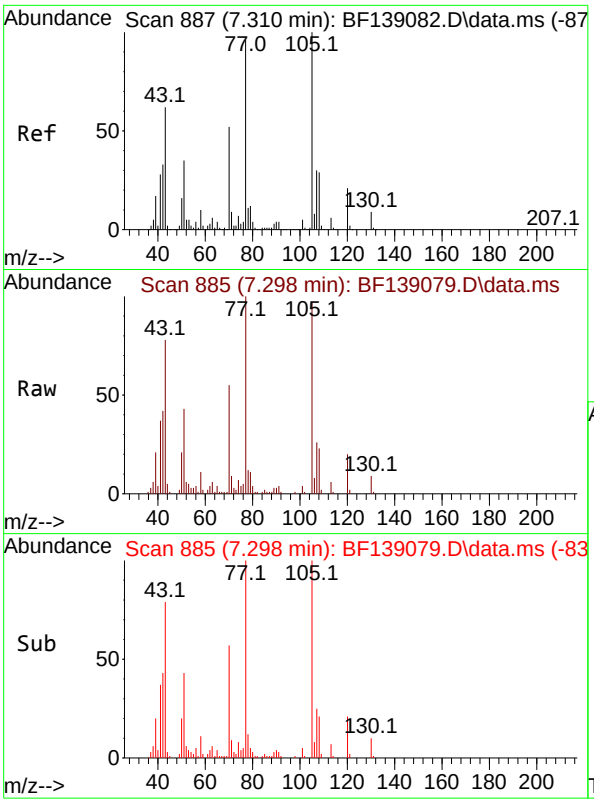


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.180 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:136 Resp: 256989

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	10.0	7.6	11.4
68	6.3	5.1	7.7



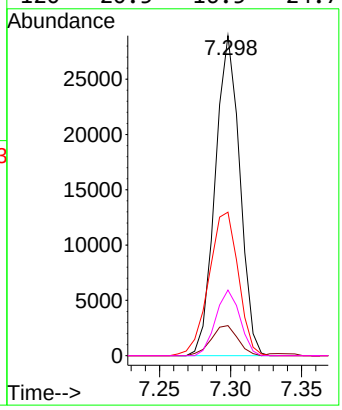


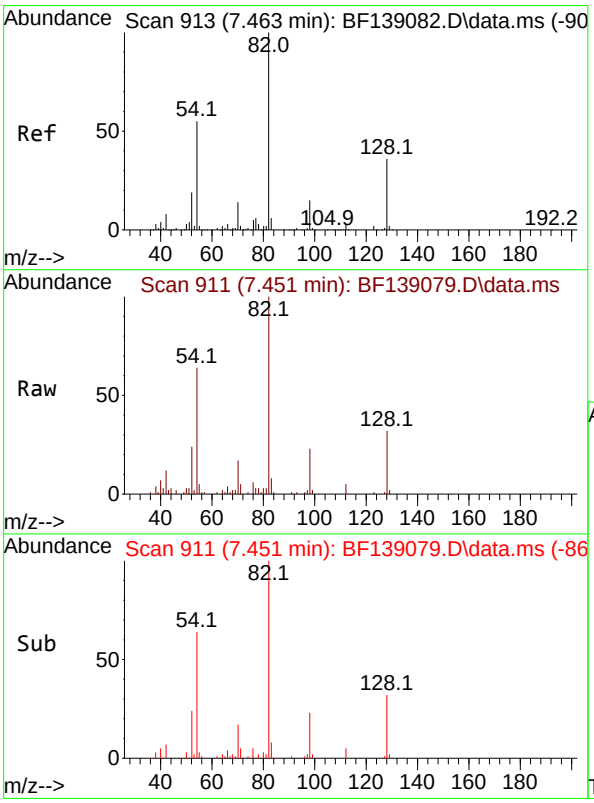
#22
Acetophenone
Concen: 5.303 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:105 Resp: 34799

Ion	Ratio	Lower	Upper
105	100		
71	9.4	7.0	10.6
51	44.9	28.0	42.0#
120	20.5	16.5	24.7

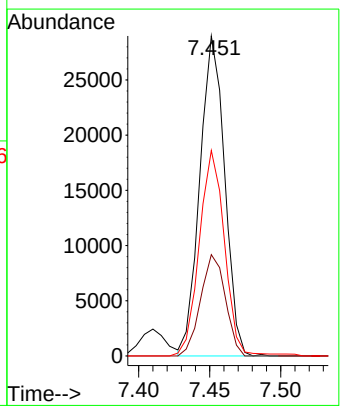


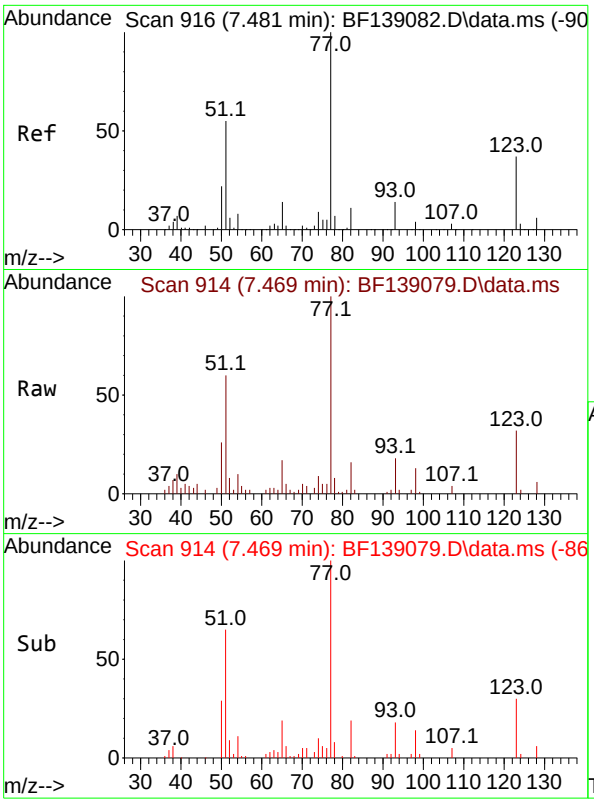


#23
Nitrobenzene-d5
Concen: 7.991 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 82 Resp: 35245

Ion	Ratio	Lower	Upper
82	100		
128	31.6	29.0	43.4
54	64.2	43.4	65.2



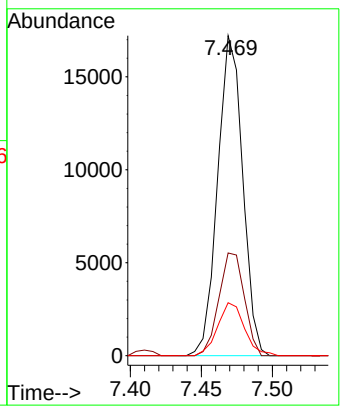


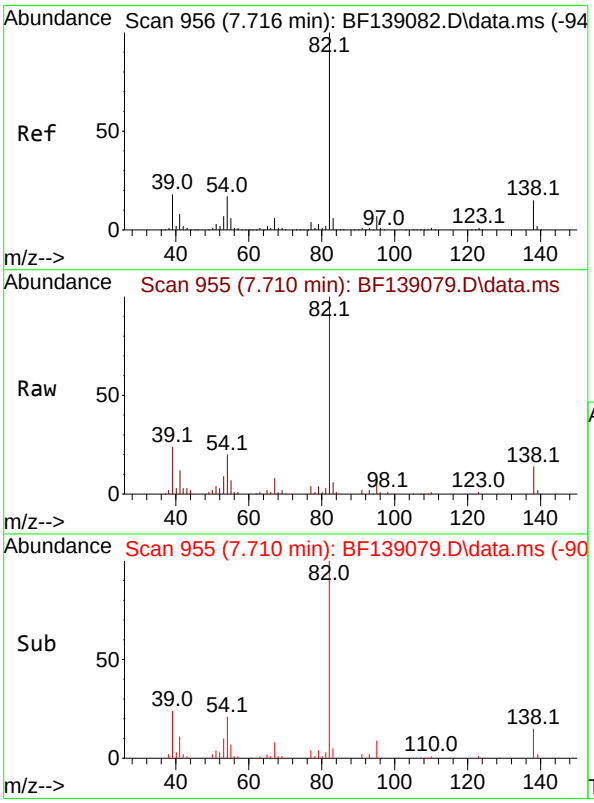
#24
Nitrobenzene
Concen: 4.295 ng
RT: 7.469 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 21057

Ion	Ratio	Lower	Upper
77	100		
123	32.1	30.3	45.5
65	16.6	11.3	16.9

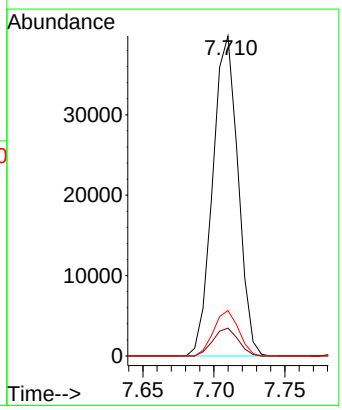


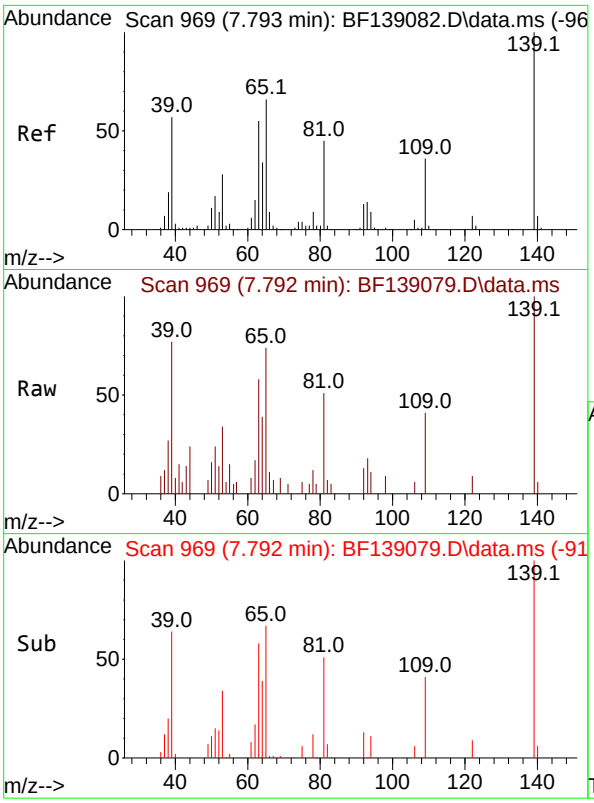


#25
Isophorone
Concen: 5.265 ng
RT: 7.710 min Scan# 955
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 82 Resp: 49355

Ion	Ratio	Lower	Upper
82	100		
95	8.7	5.9	8.9
138	14.2	11.8	17.8



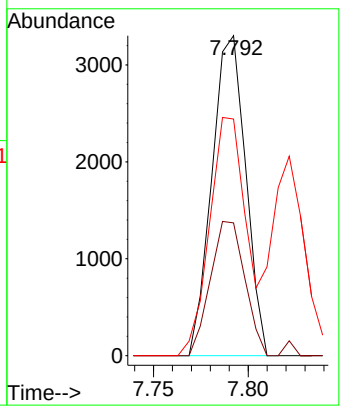


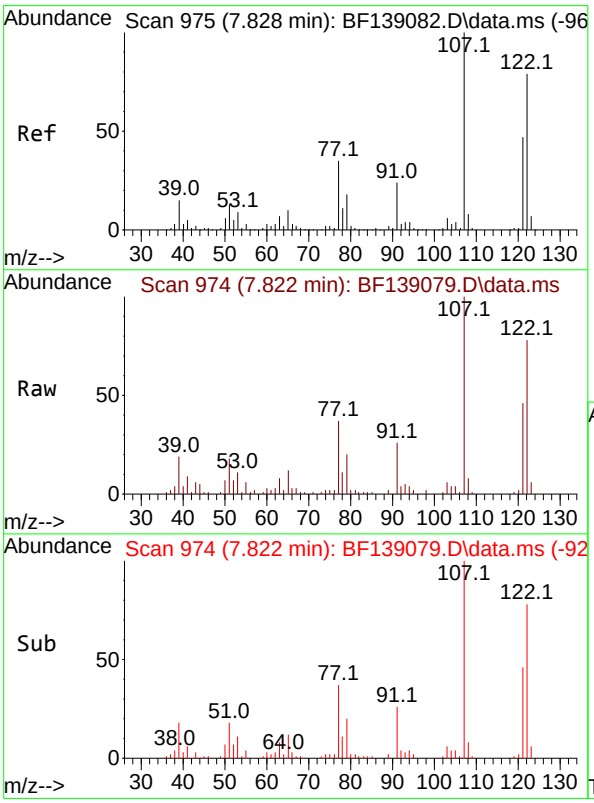
#26
2-Nitrophenol
Concen: 7.707 ng
RT: 7.792 min Scan# 9
Delta R.T. -0.001 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:139 Resp: 4091

Ion	Ratio	Lower	Upper
139	100		
109	41.5	29.2	43.8
65	74.0	52.7	79.1

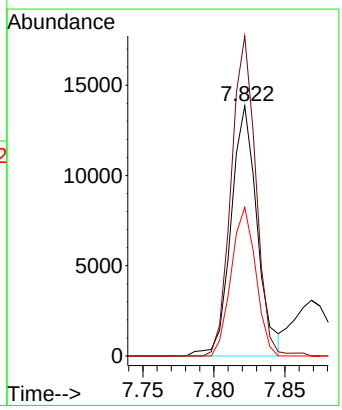


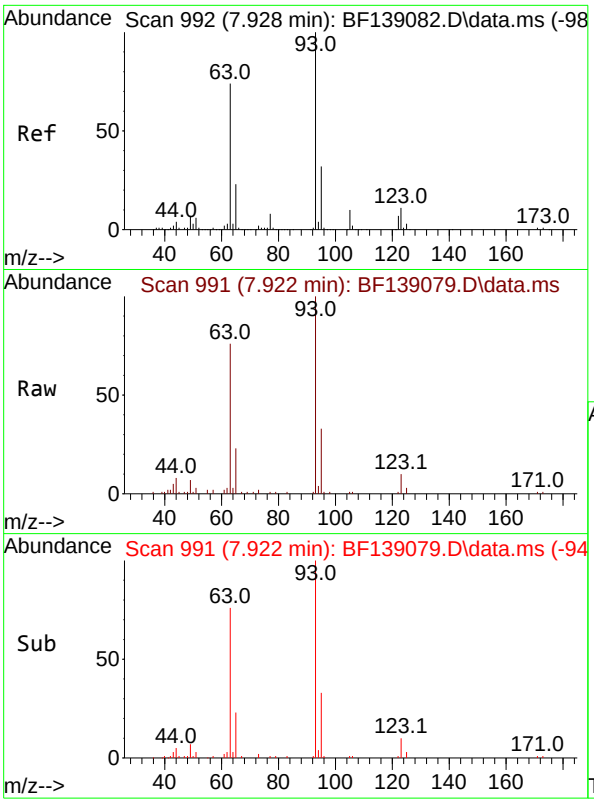


#27
2,4-Dimethylphenol
Concen: 5.950 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:122 Resp: 17686

Ion	Ratio	Lower	Upper
122	100		
107	127.9	101.1	151.7
121	59.4	47.5	71.3



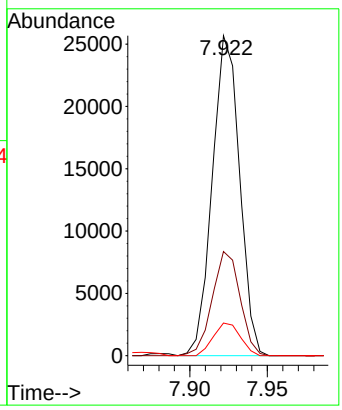


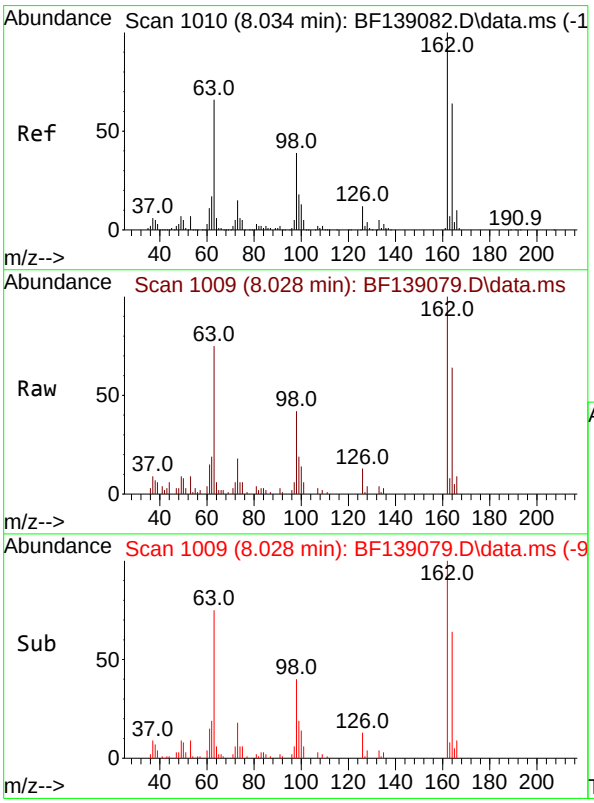
#28
bis(2-Chloroethoxy)methane
Concen: 5.739 ng
RT: 7.922 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 31434

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	10.2	8.9	13.3

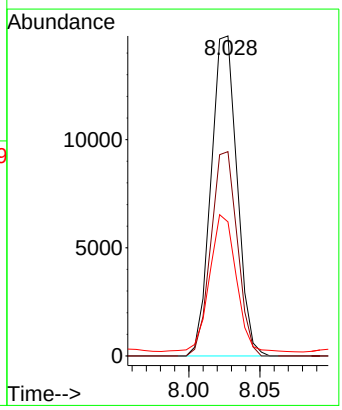


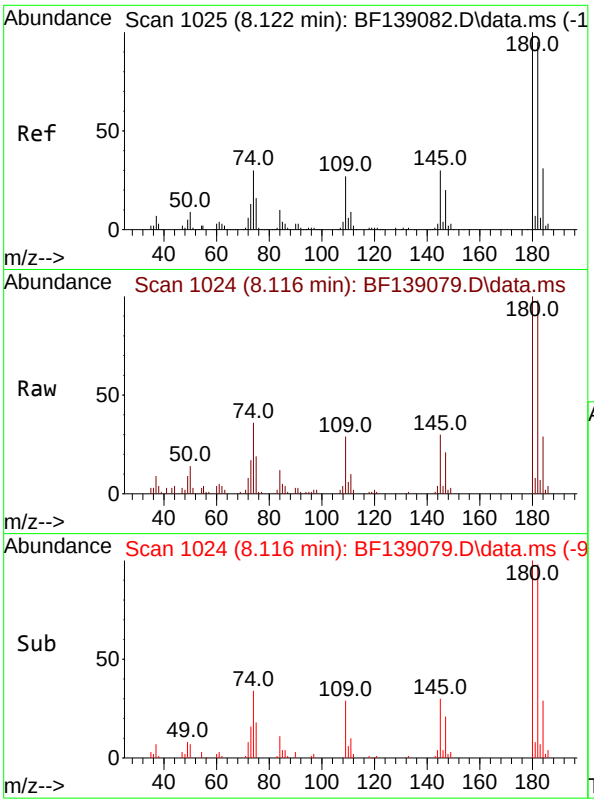


#29
2,4-Dichlorophenol
Concen: 5.091 ng
RT: 8.028 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:162 Resp: 18852

Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.9	83.9
98	41.9	19.7	59.7



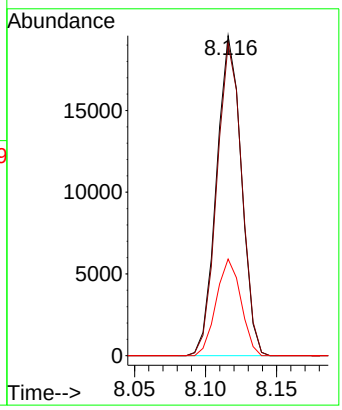


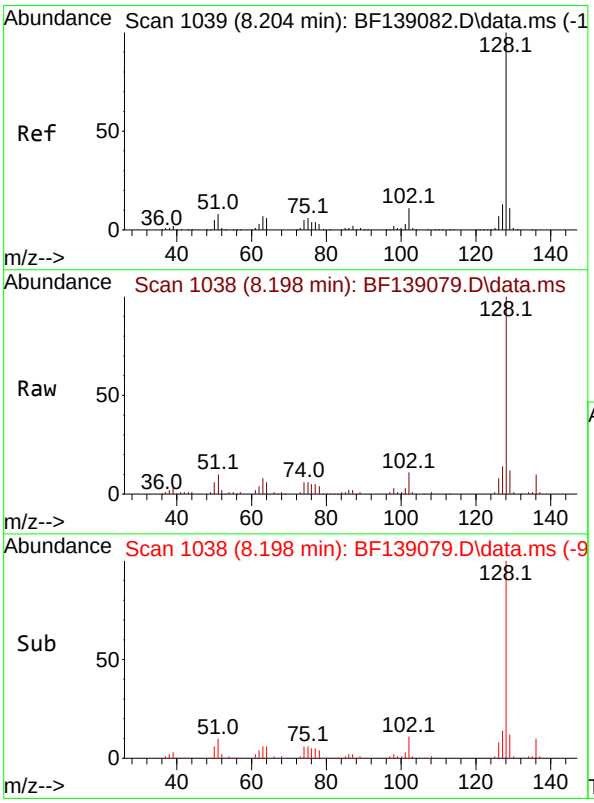
#30
1,2,4-Trichlorobenzene
Concen: 5.488 ng
RT: 8.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:180 Resp: 23799

Ion	Ratio	Lower	Upper
180	100		
182	97.5	76.1	114.1
145	30.2	23.9	35.9

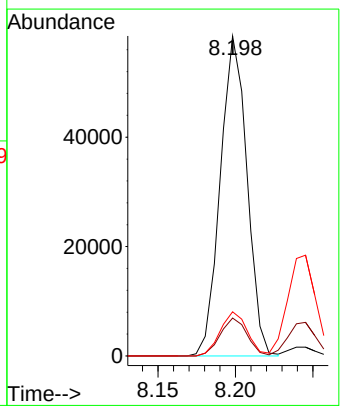


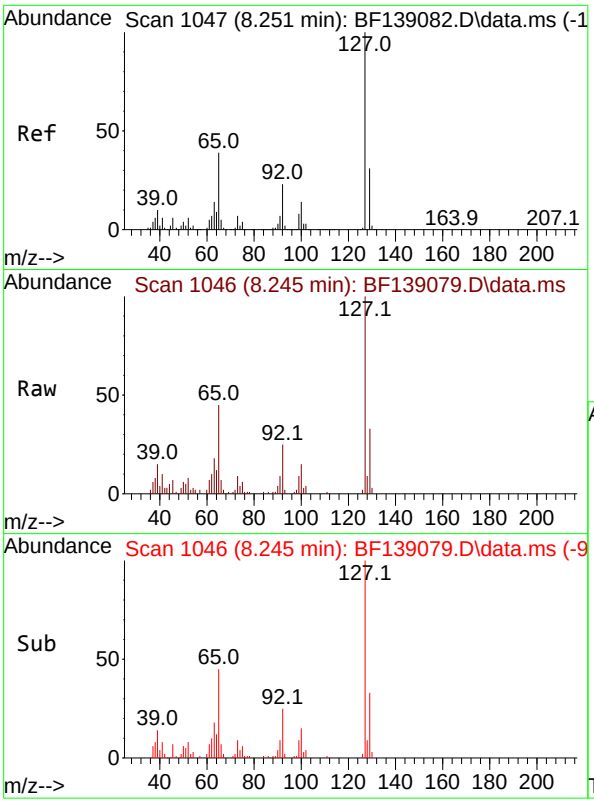


#31
Naphthalene
Concen: 5.380 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:128 Resp: 70061

Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.9	13.3
127	13.8	10.7	16.1



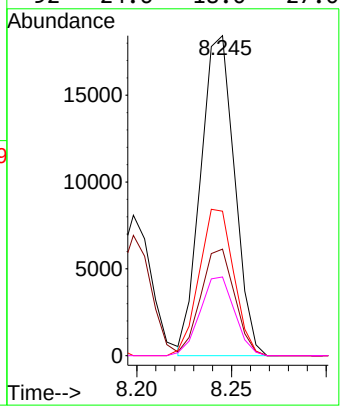


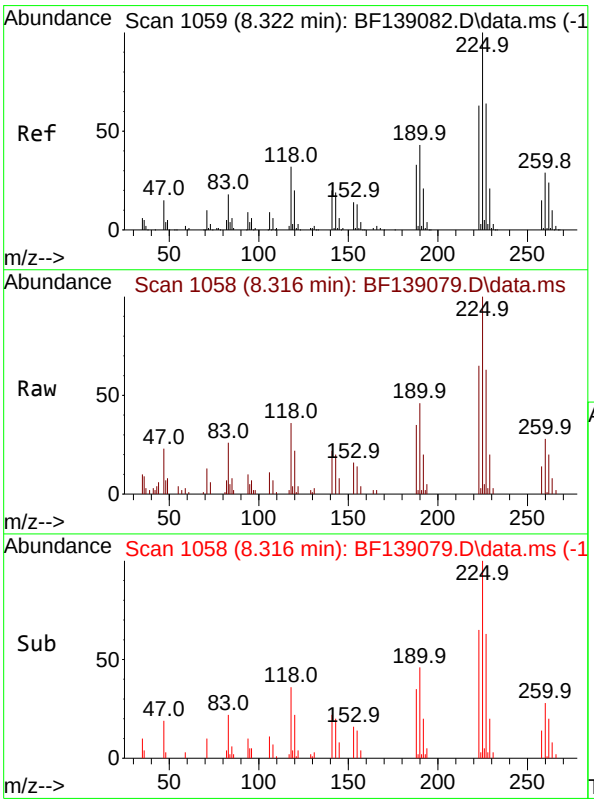
#33
4-Chloroaniline
Concen: 5.145 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:127 Resp: 22945

Ion	Ratio	Lower	Upper
127	100		
129	33.3	26.0	39.0
65	45.1	30.3	45.5
92	24.6	18.0	27.0

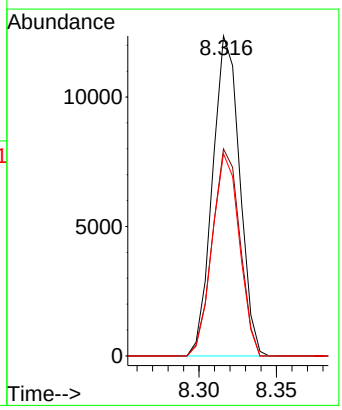


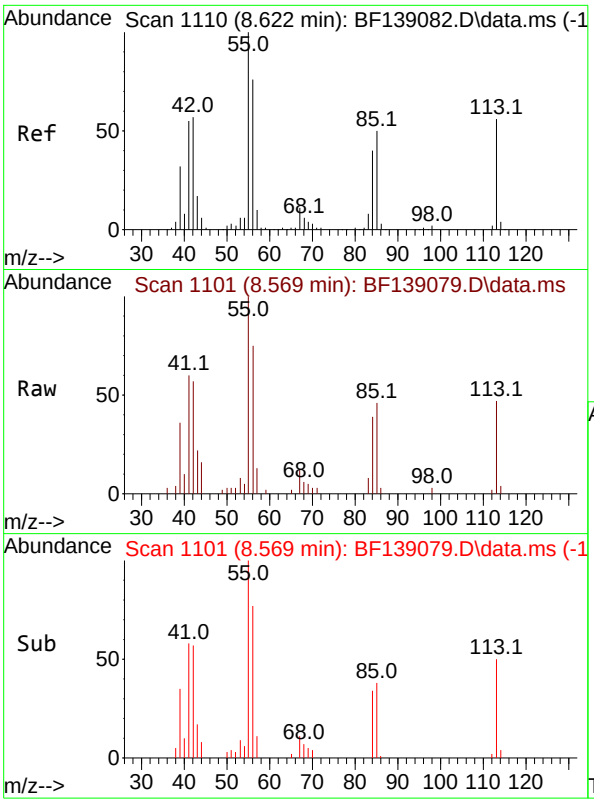


#34
Hexachlorobutadiene
Concen: 5.308 ng
RT: 8.316 min Scan# 1058
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:225 Resp: 15035

Ion	Ratio	Lower	Upper
225	100		
223	64.7	50.0	75.0
227	63.2	51.4	77.2



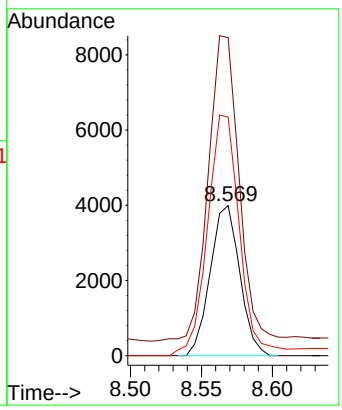


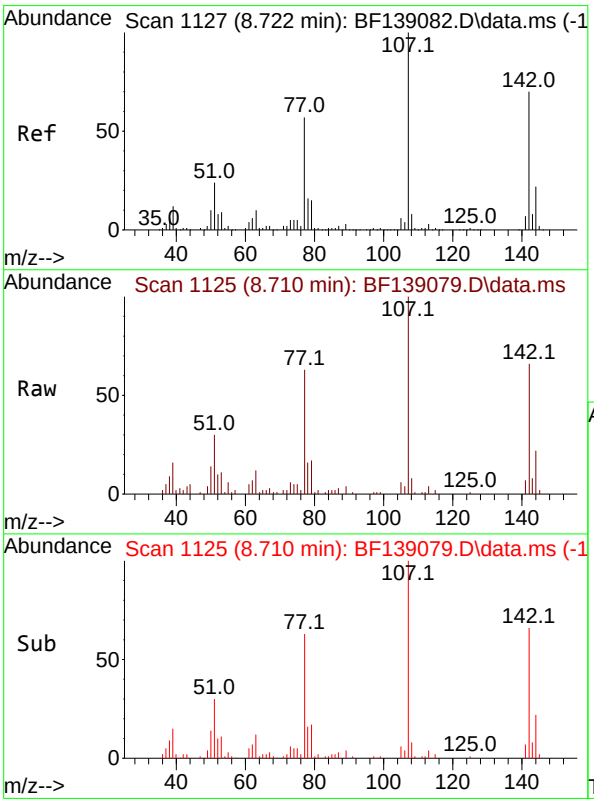
#35
Caprolactam
Concen: 4.911 ng
RT: 8.569 min Scan# 11
Delta R.T. -0.053 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:113 Resp: 5765

Ion	Ratio	Lower	Upper
113	100		
55	211.9	158.6	198.6#
56	159.1	115.9	155.9#

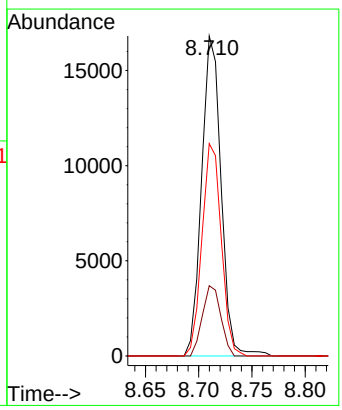


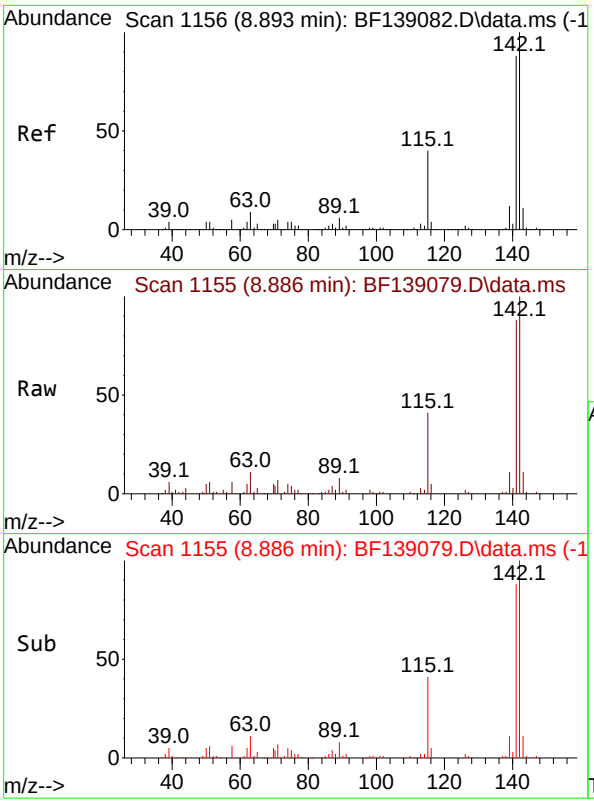


#36
4-Chloro-3-methylphenol
Concen: 5.219 ng
RT: 8.710 min Scan# 1125
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:107 Resp: 21399

Ion	Ratio	Lower	Upper
107	100		
144	22.0	17.7	26.5
142	66.3	55.6	83.4



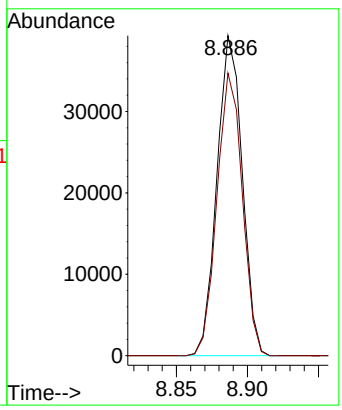


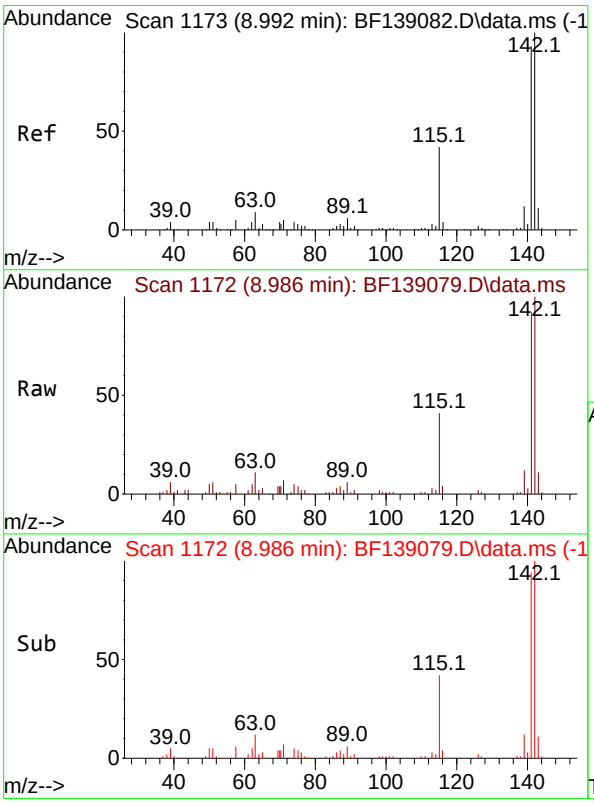
#37
2-Methylnaphthalene
Concen: 5.829 ng
RT: 8.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 48689

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.6	105.8

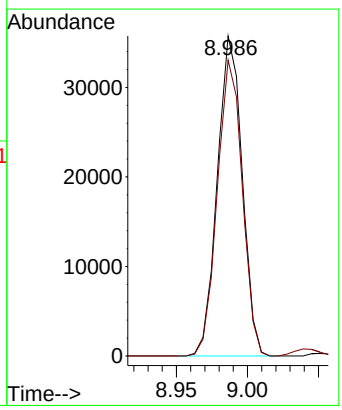


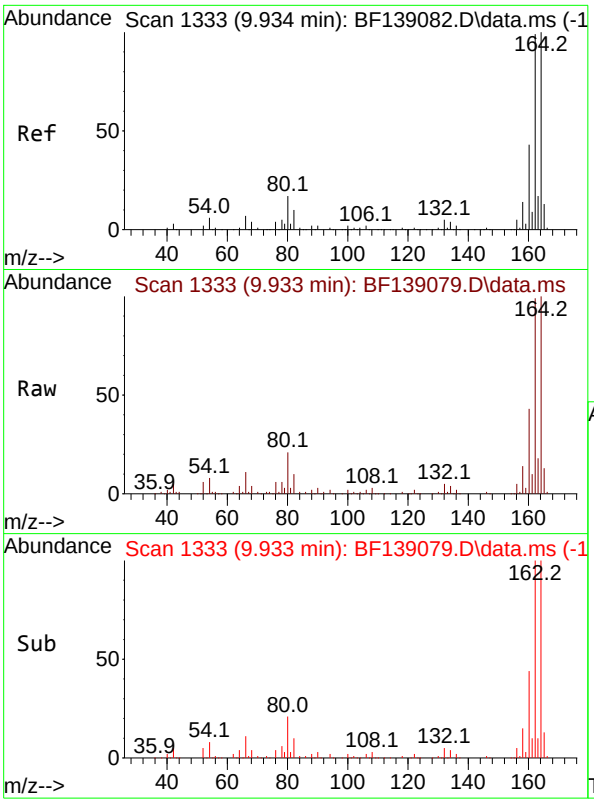


#38
1-Methylnaphthalene
Concen: 5.396 ng
RT: 8.986 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:142 Resp: 43505

Ion	Ratio	Lower	Upper
142	100		
141	92.4	74.1	111.1



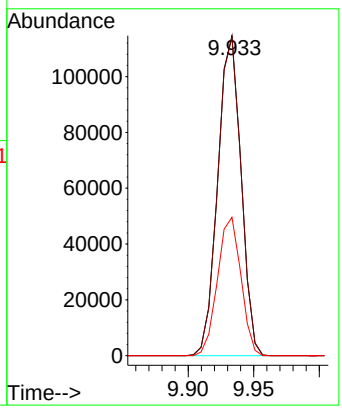


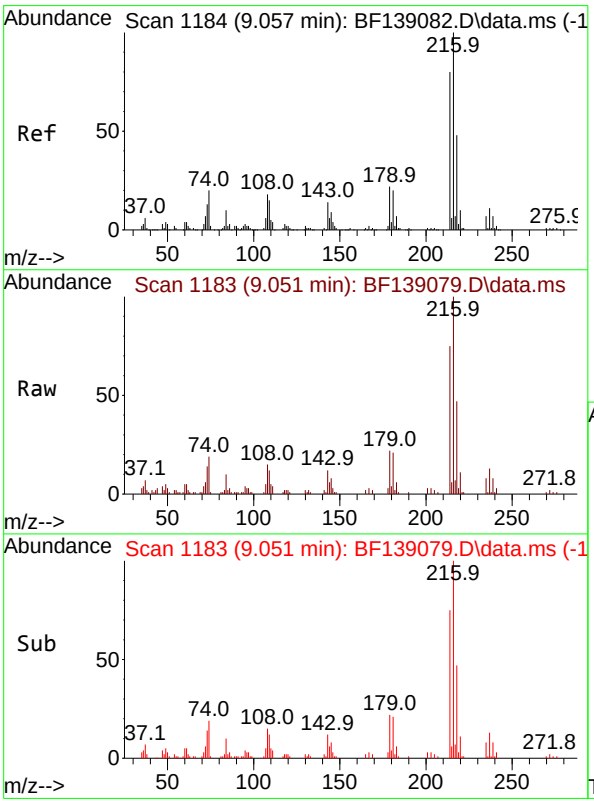
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 141352

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.5	119.3
160	43.3	34.5	51.7

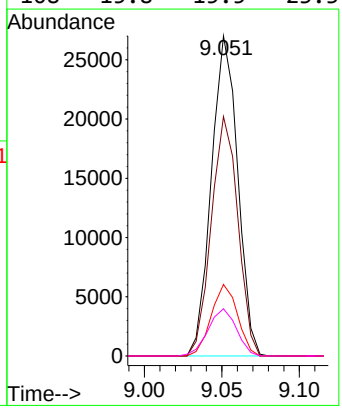


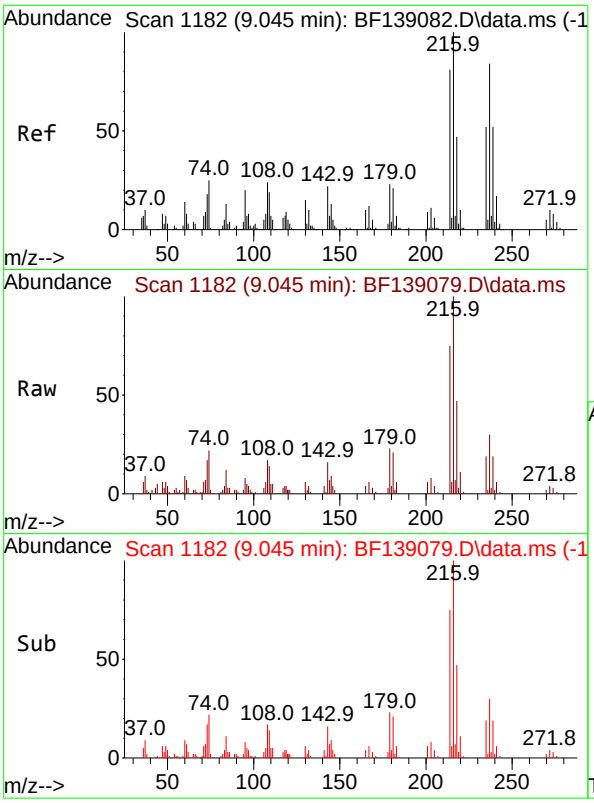


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.793 ng
RT: 9.051 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:216 Resp: 31957

Ion	Ratio	Lower	Upper
216	100		
214	75.1	64.2	96.2
179	22.3	17.4	26.2
108	15.8	15.5	23.3



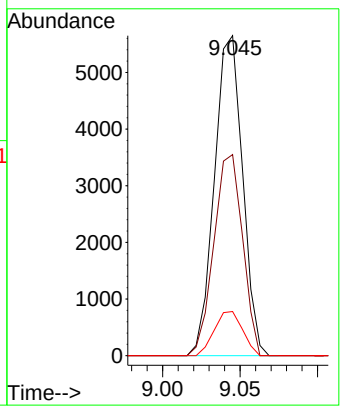


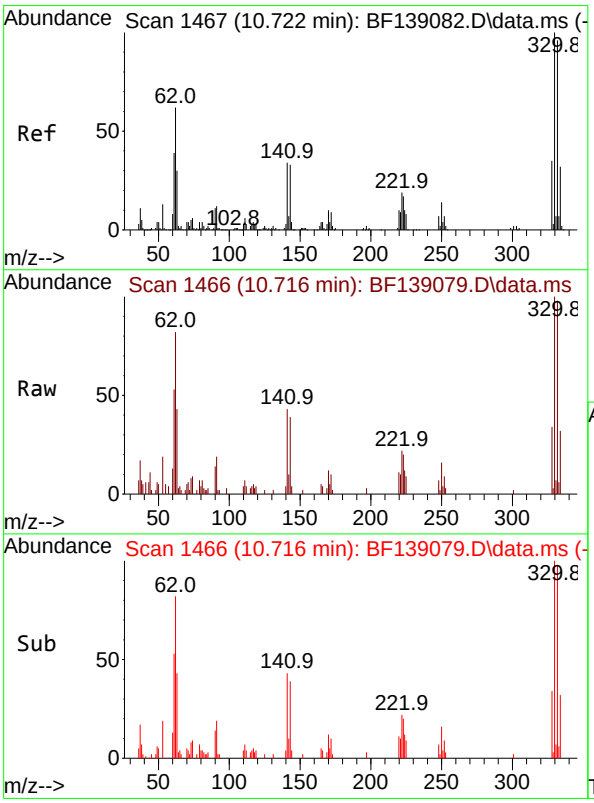
#41
Hexachlorocyclopentadiene
Concen: 4.802 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 7142

Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.5	82.5
272	13.8	0.0	32.0

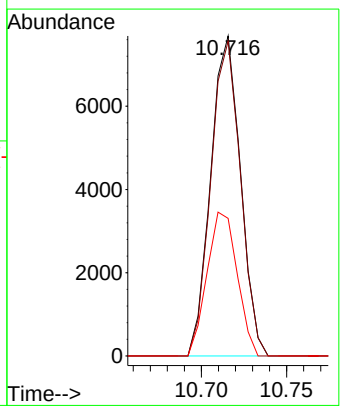


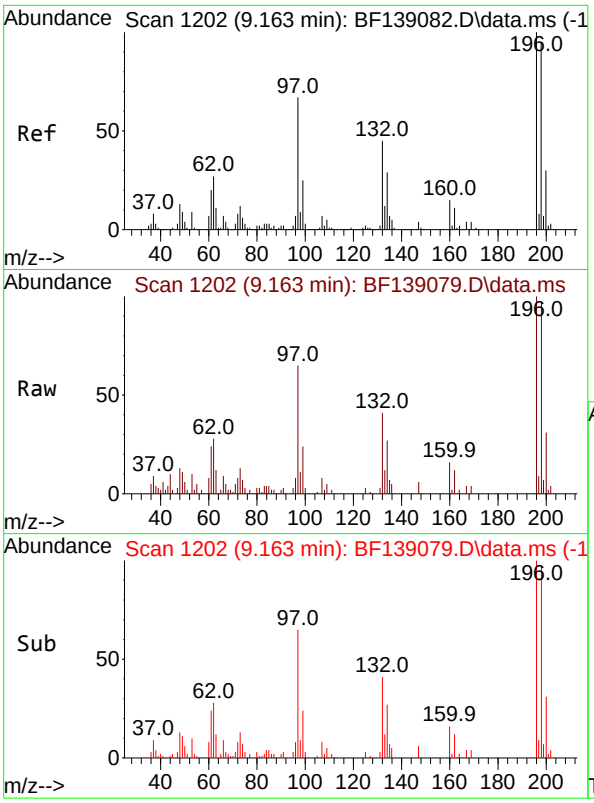


#42
2,4,6-Tribromophenol
Concen: 7.314 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:330 Resp: 9359

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.0	115.6
141	45.5	27.5	41.3#



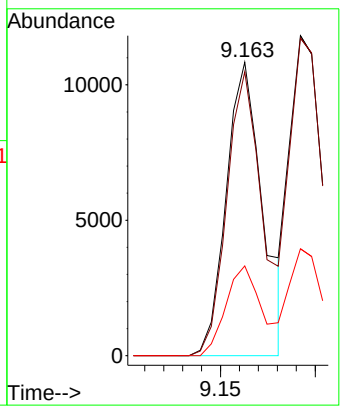


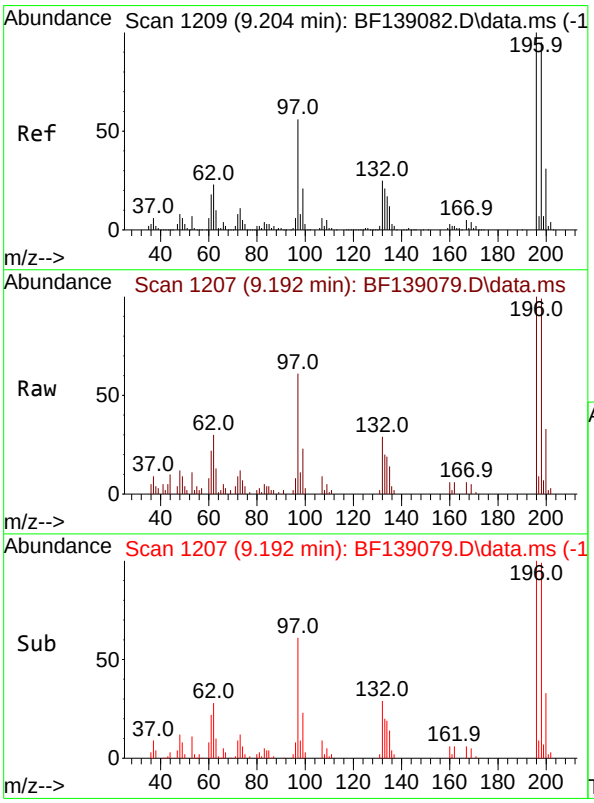
#43
2,4,6-Trichlorophenol
Concen: 5.516 ng
RT: 9.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 14406

Ion	Ratio	Lower	Upper
196	100		
198	96.8	76.4	114.6
200	30.6	23.8	35.8

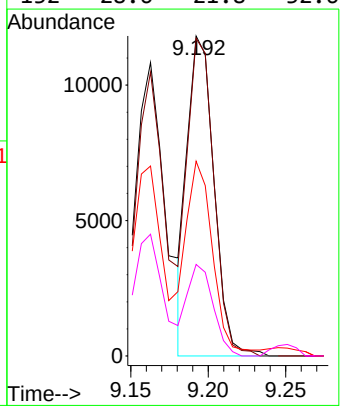


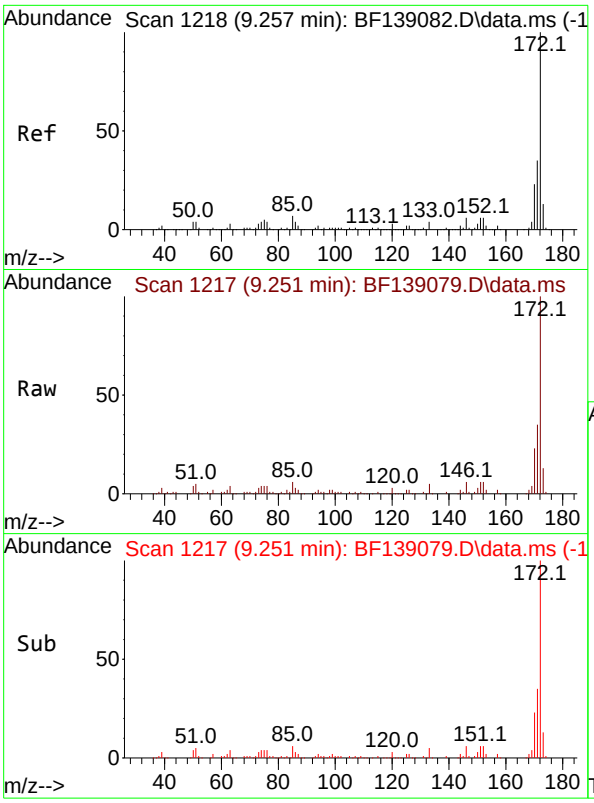


#44
2,4,5-Trichlorophenol
Concen: 5.285 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:196 Resp: 14166

Ion	Ratio	Lower	Upper
196	100		
198	99.2	76.6	114.8
97	60.8	44.6	67.0
132	28.6	21.8	32.6



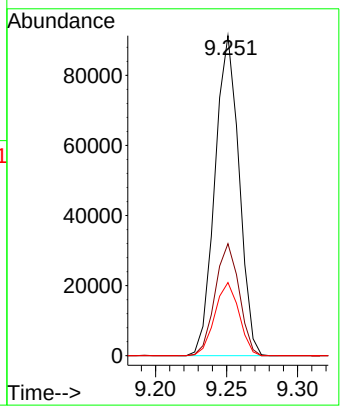


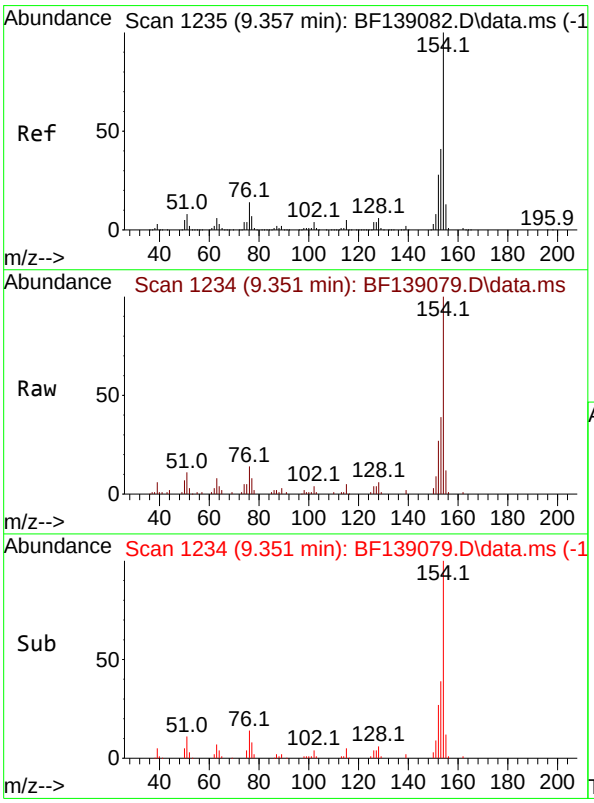
#45
2-Fluorobiphenyl
Concen: 12.109 ng
RT: 9.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 107879

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.4	42.6
170	22.9	18.8	28.2

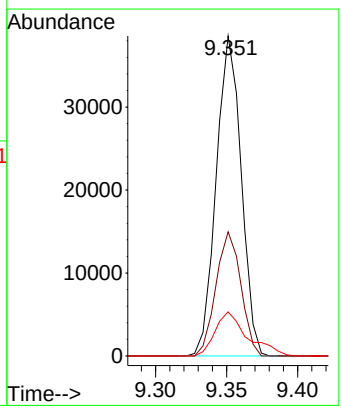


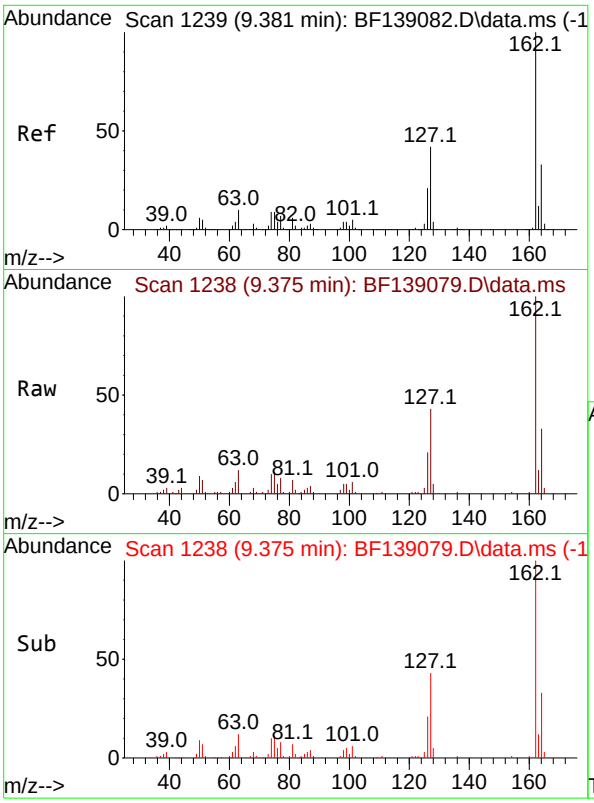


#46
1,1'-Biphenyl
Concen: 4.864 ng
RT: 9.351 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:154 Resp: 47097

Ion	Ratio	Lower	Upper
154	100		
153	38.8	20.6	60.6
76	13.8	0.0	33.6



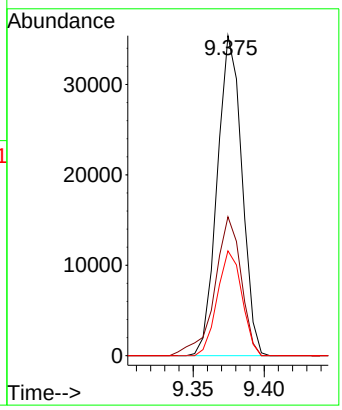


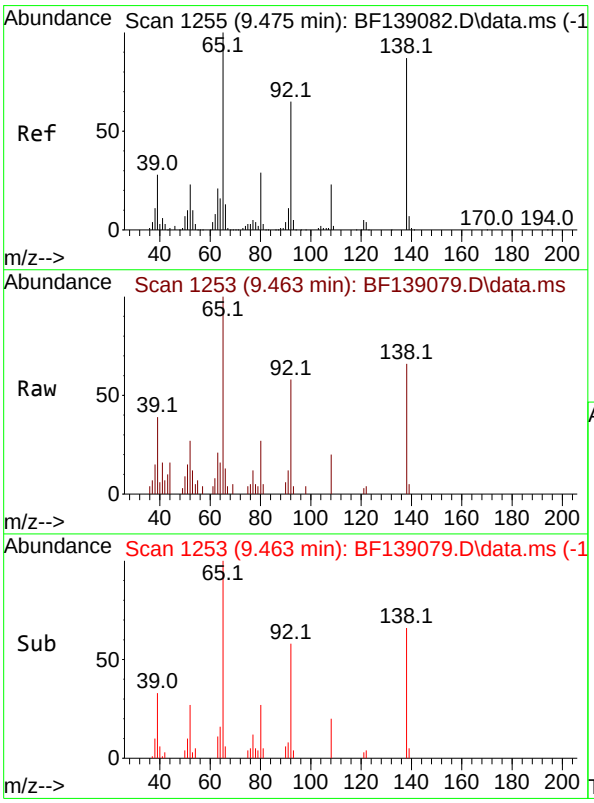
#47
2-Chloronaphthalene
Concen: 5.426 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 42691

Ion	Ratio	Lower	Upper
162	100		
127	43.4	33.8	50.6
164	32.8	26.3	39.5

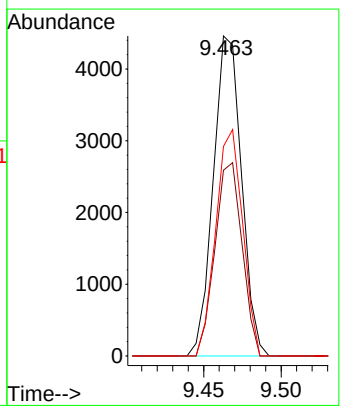


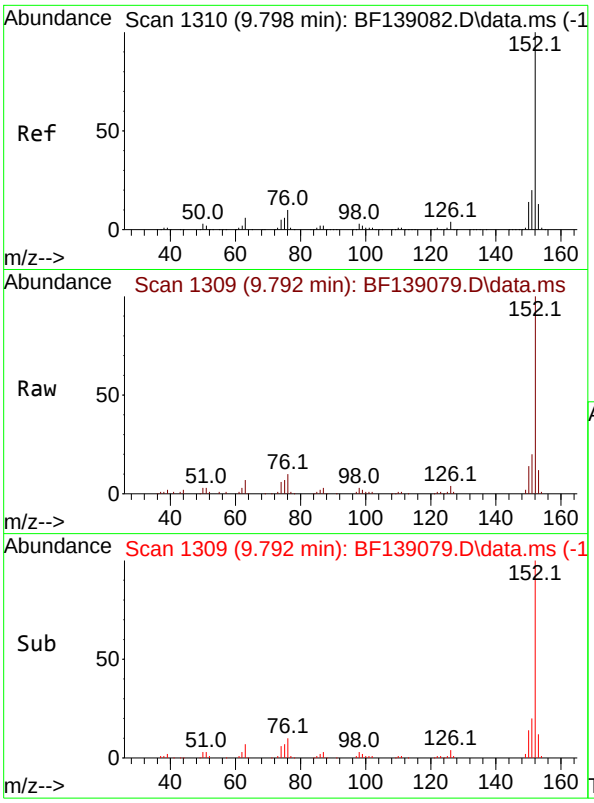


#48
2-Nitroaniline
Concen: 7.868 ng
RT: 9.463 min Scan# 1253
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 65 Resp: 5652

Ion	Ratio	Lower	Upper
65	100		
92	58.0	52.4	78.6
138	65.5	69.4	104.0#



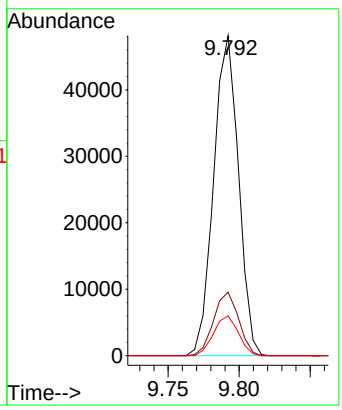


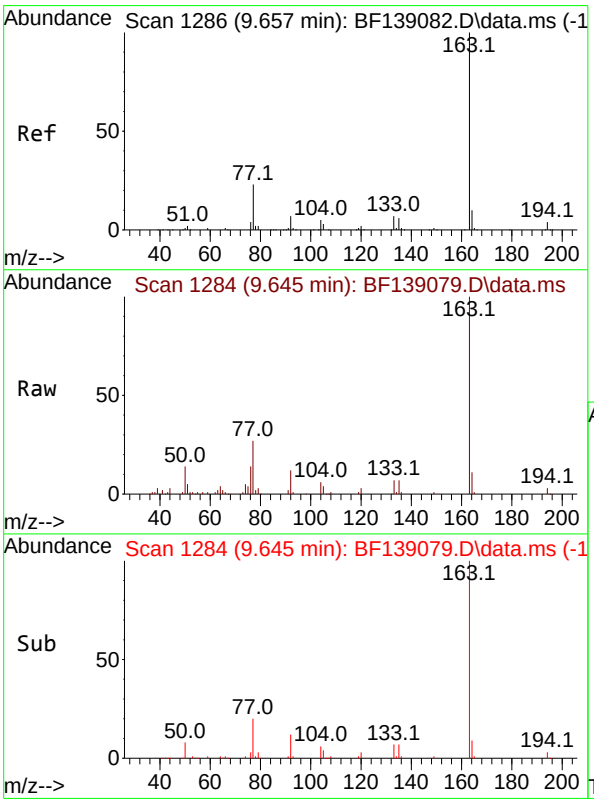
#49
Acenaphthylene
Concen: 5.191 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 58505

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	12.4	10.6	15.8

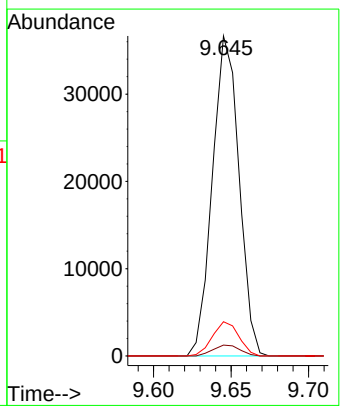


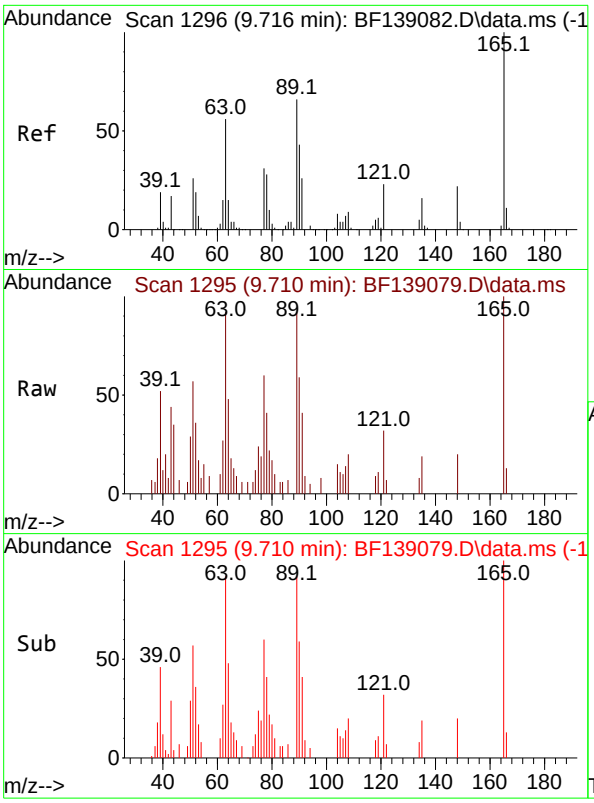


#50
Dimethylphthalate
Concen: 5.017 ng
RT: 9.645 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:163 Resp: 43778

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.3	4.9
164	10.7	8.2	12.2



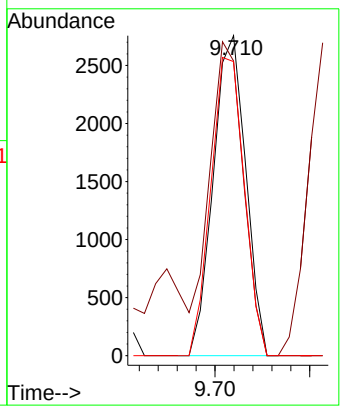


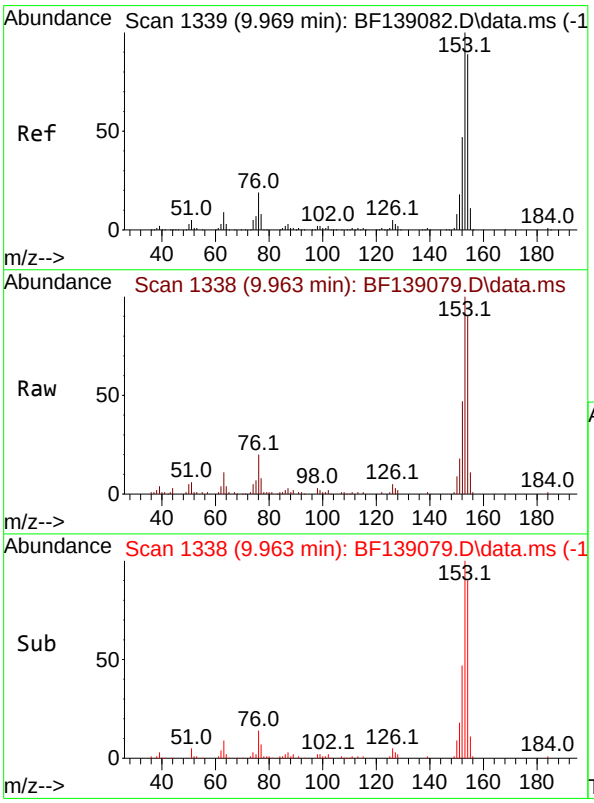
#51
2,6-Dinitrotoluene
Concen: 6.216 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 3282

Ion	Ratio	Lower	Upper
165	100		
63	92.1	58.0	87.0#
89	91.9	53.3	79.9#

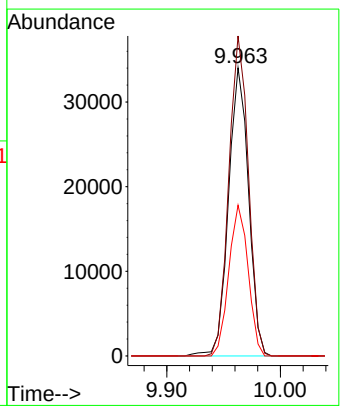


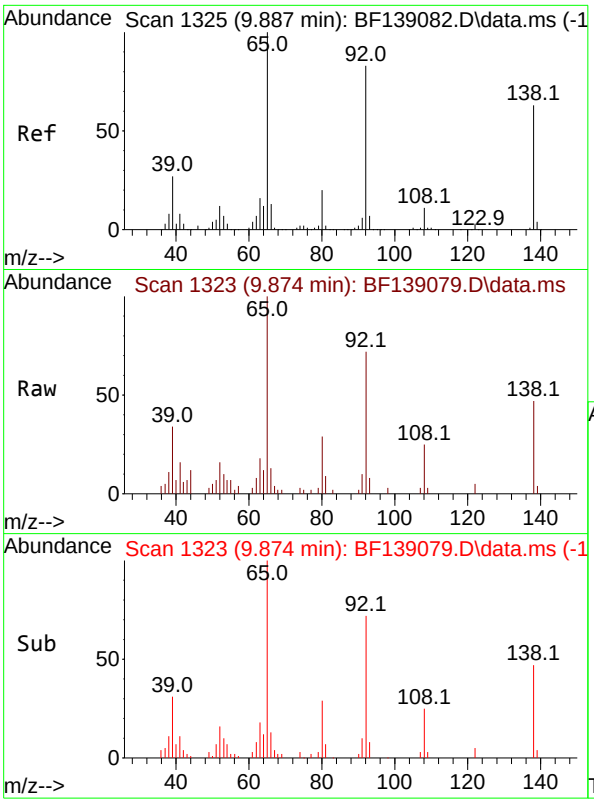


#52
Acenaphthene
Concen: 5.604 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:154 Resp: 41719

Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.7	134.5
152	52.3	42.3	63.5



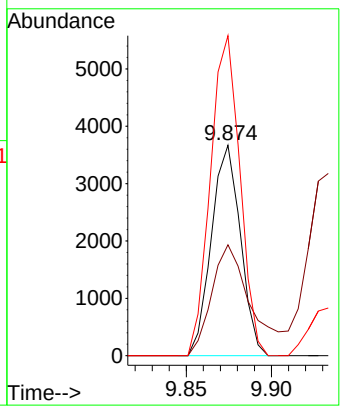


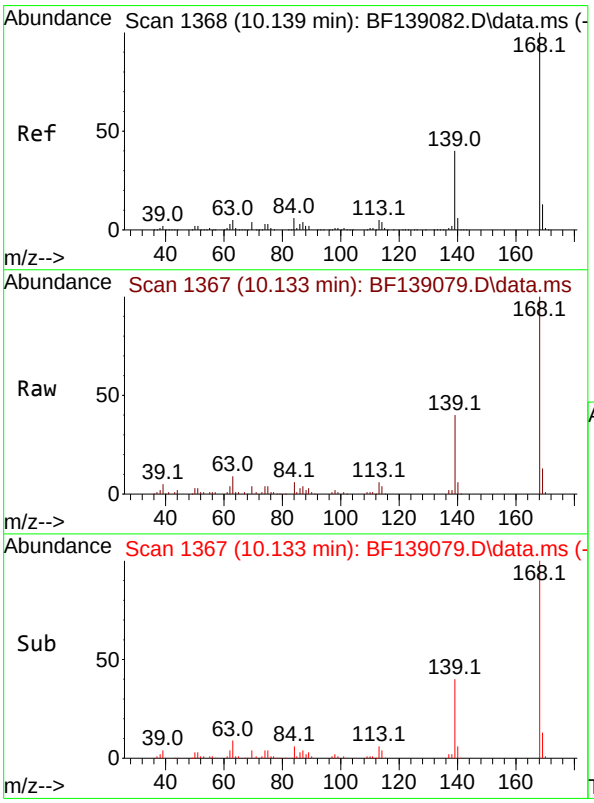
#53
3-Nitroaniline
Concen: 6.420 ng
RT: 9.874 min Scan# 1
Delta R.T. -0.013 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 4355

Ion	Ratio	Lower	Upper
138	100		
108	52.8	14.6	21.8#
92	152.1	105.9	158.9

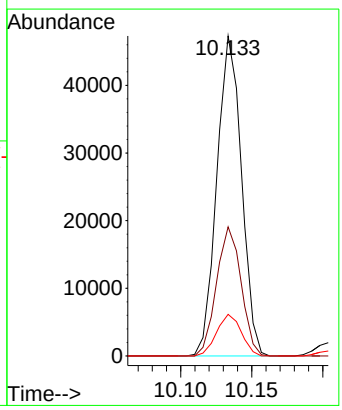


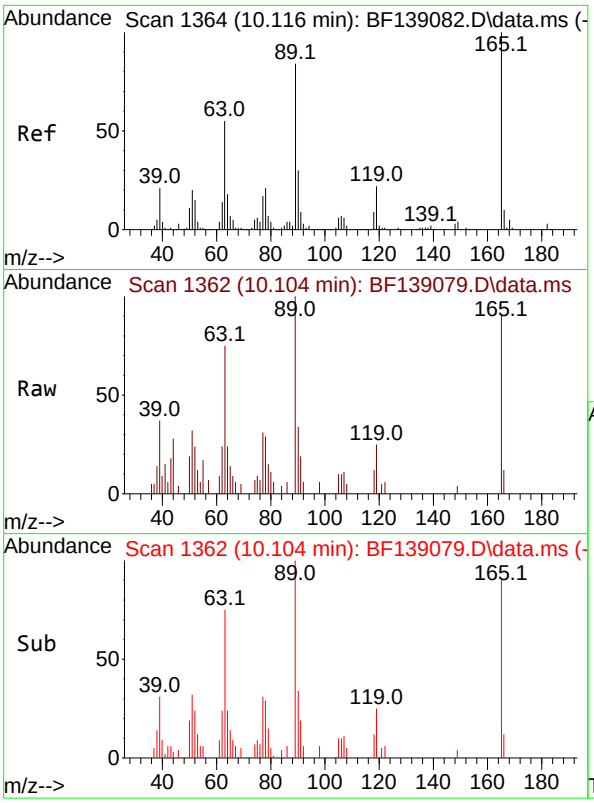


#55
Dibenzofuran
Concen: 5.264 ng
RT: 10.133 min Scan# 1367
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:168 Resp: 56918

Ion	Ratio	Lower	Upper
168	100		
139	40.4	31.6	47.4
169	13.0	10.7	16.1



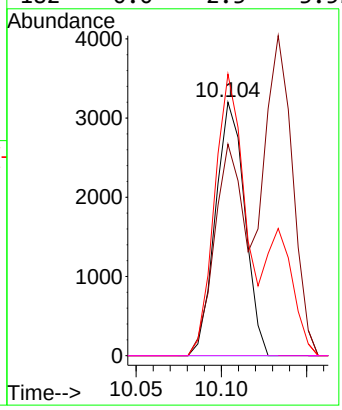


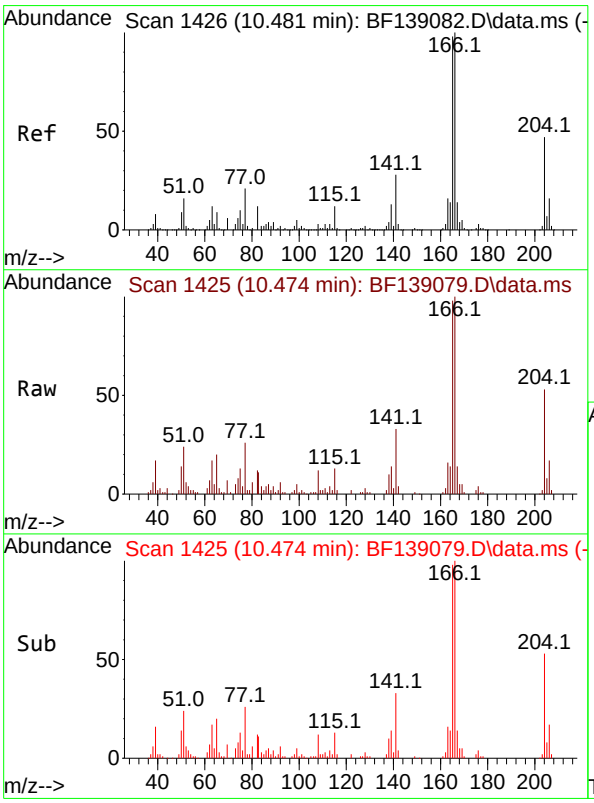
#57
2,4-Dinitrotoluene
Concen: 7.091 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 3835

Ion	Ratio	Lower	Upper
165	100		
63	83.5	44.2	66.4#
89	111.1	67.4	101.2#
182	0.0	2.3	3.5#

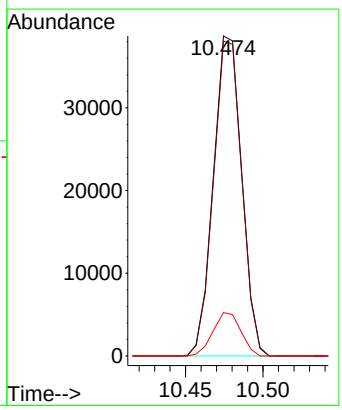


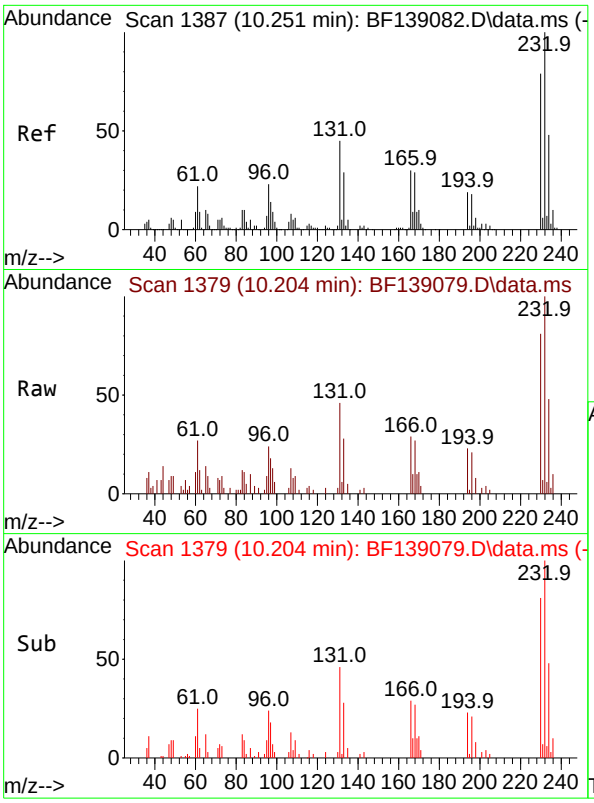


#58
Fluorene
Concen: 5.706 ng
RT: 10.474 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:166 Resp: 49312

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.0	117.0
167	13.6	11.0	16.4



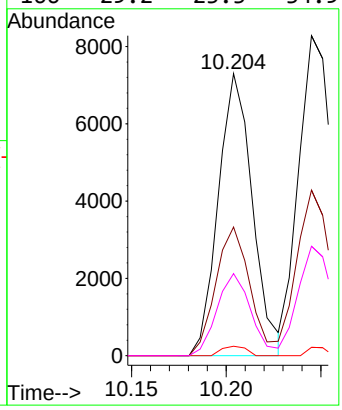


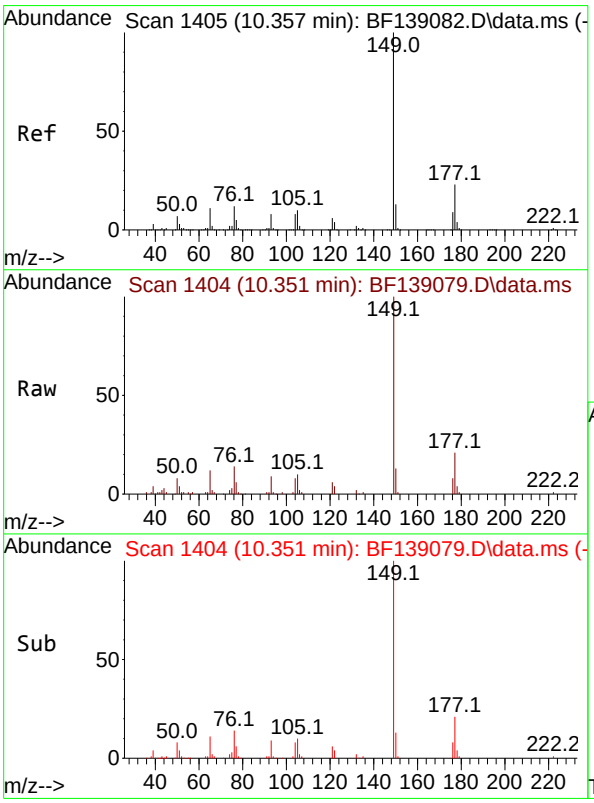
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.257 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:232 Resp: 9162

Ion	Ratio	Lower	Upper
232	100		
131	44.9	36.0	54.0
130	2.4	2.0	3.0
166	29.2	23.3	34.9

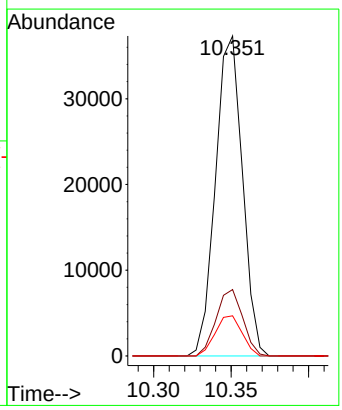


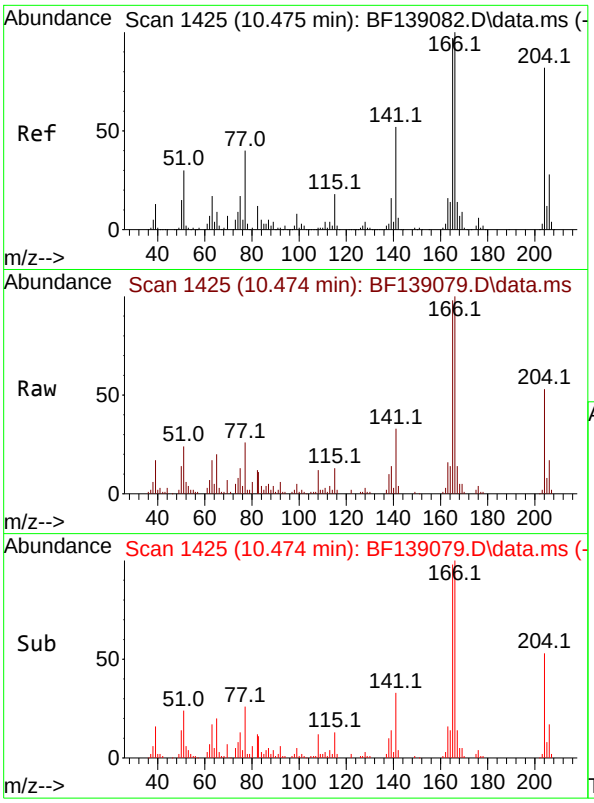


#60
Diethylphthalate
Concen: 5.209 ng
RT: 10.351 min Scan# 1404
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:149 Resp: 45043

Ion	Ratio	Lower	Upper
149	100		
177	20.7	18.4	27.6
150	12.5	10.2	15.2



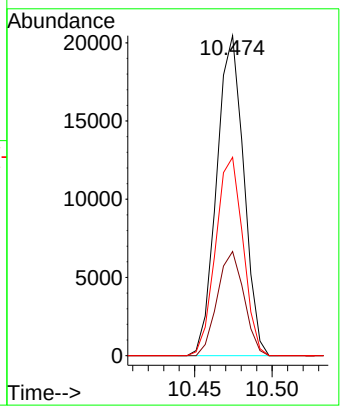


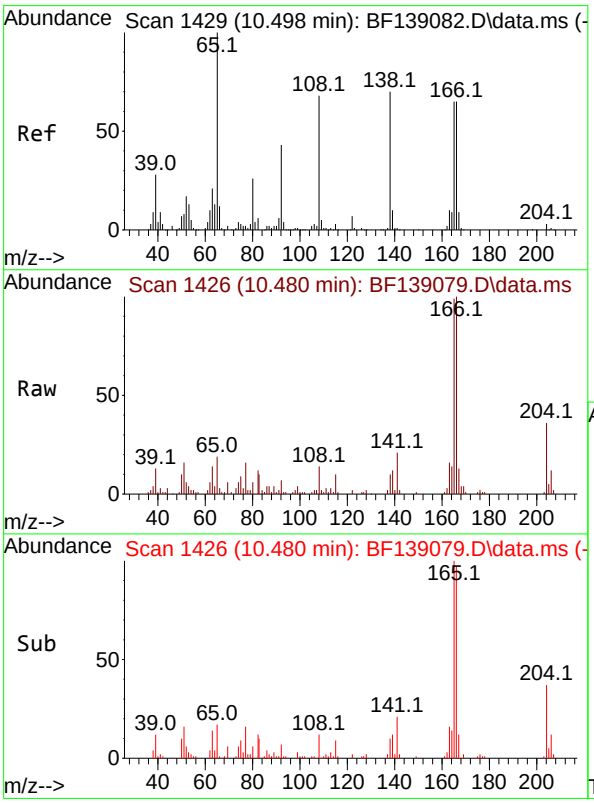
#61
4-Chlorophenyl-phenylether
Concen: 5.755 ng
RT: 10.474 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:204 Resp: 24840

Ion	Ratio	Lower	Upper
204	100		
206	32.5	27.0	40.4
141	62.0	50.9	76.3

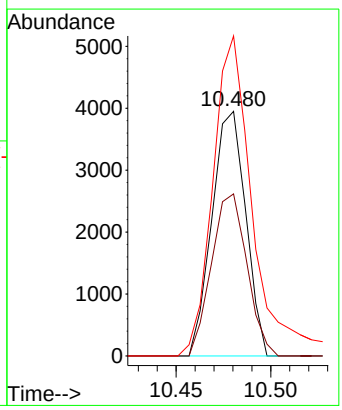


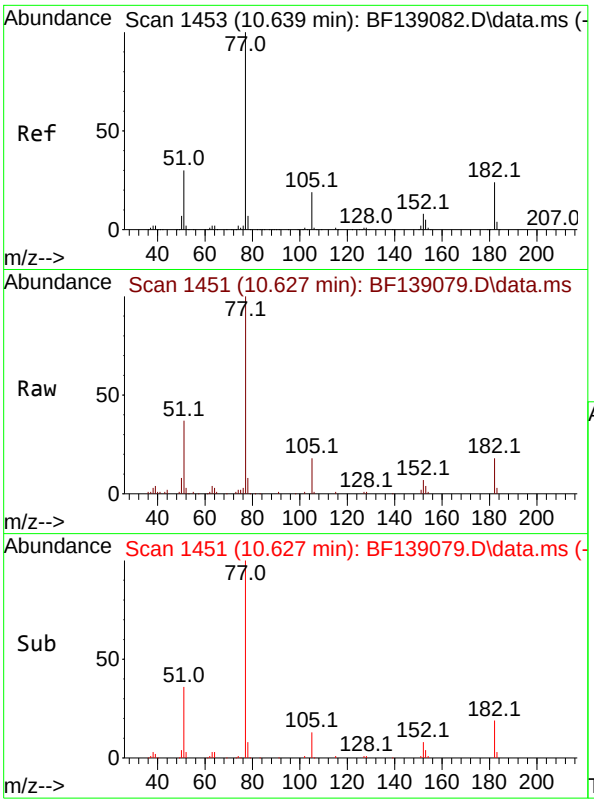


#62
4-Nitroaniline
Concen: 6.235 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.018 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:138 Resp: 4902

Ion	Ratio	Lower	Upper
138	100		
92	66.2	41.4	81.4
108	130.8	76.8	116.8#



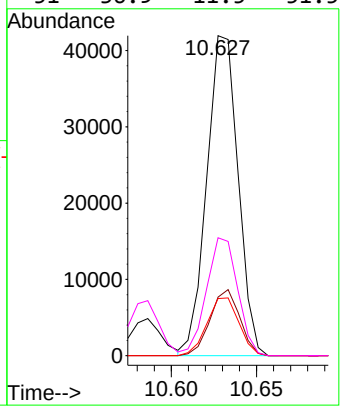


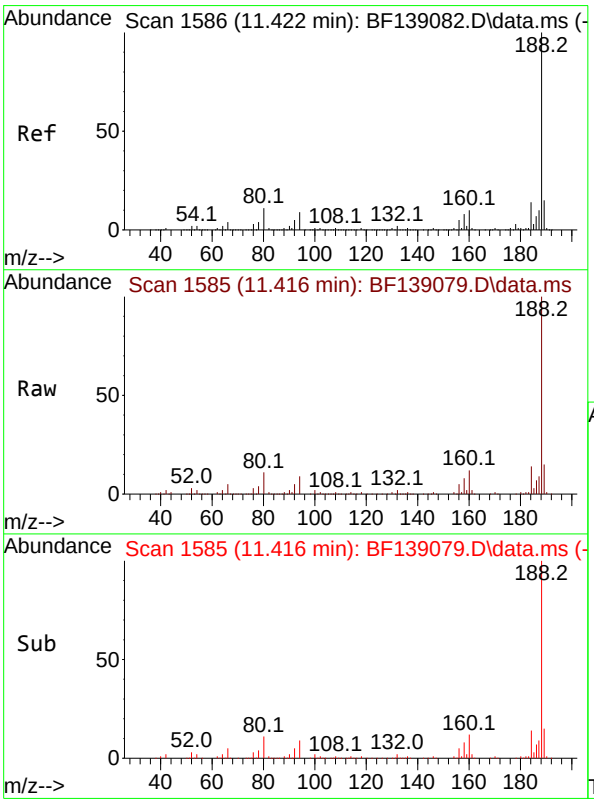
#63
Azobenzene
Concen: 5.593 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 53740

Ion	Ratio	Lower	Upper
77	100		
182	18.3	4.0	44.0
105	17.8	0.0	39.1
51	36.9	11.5	51.5

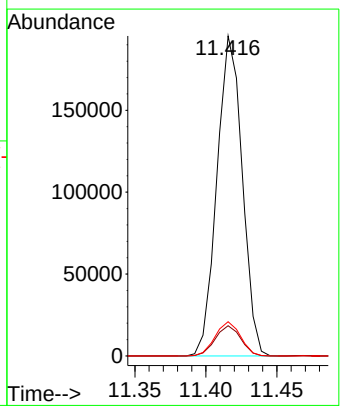


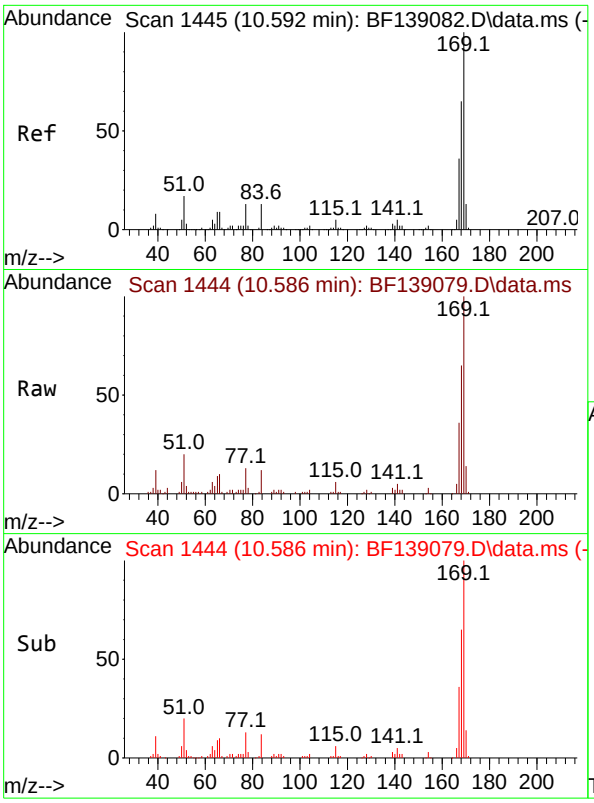


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:188 Resp: 242346

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.2	10.8
80	10.7	8.5	12.7



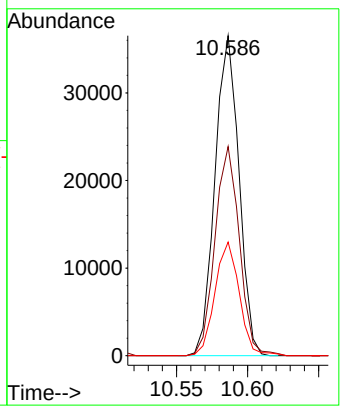


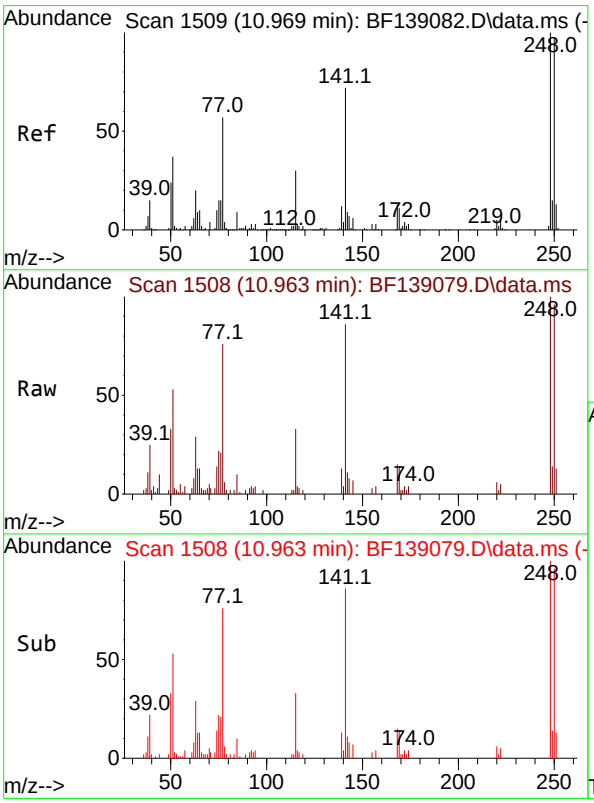
#66
n-Nitrosodiphenylamine
Concen: 5.975 ng
RT: 10.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:169 Resp: 42842

Ion	Ratio	Lower	Upper
169	100		
168	65.3	52.4	78.6
167	35.5	28.6	43.0

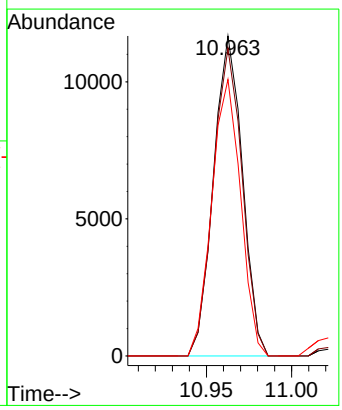


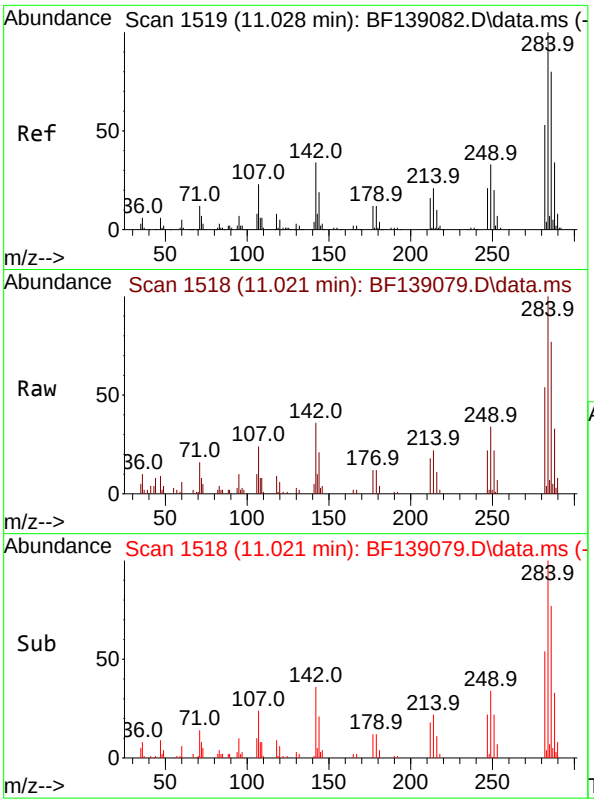


#67
4-Bromophenyl-phenylether
Concen: 5.369 ng
RT: 10.963 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:248 Resp: 13787

Ion	Ratio	Lower	Upper
248	100		
250	96.1	77.8	116.8
141	86.4	57.9	86.9



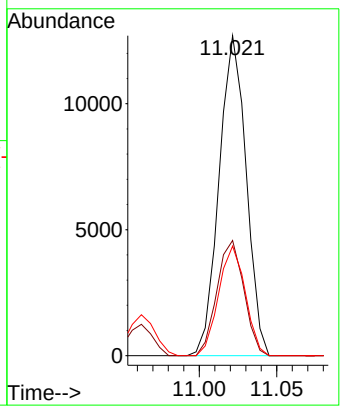


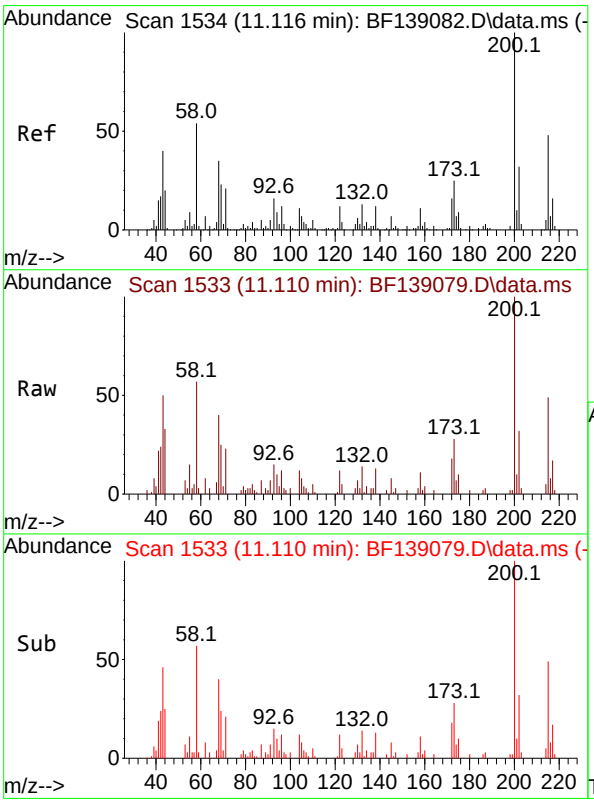
#68
Hexachlorobenzene
Concen: 5.600 ng
RT: 11.021 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:284 Resp: 15428

Ion	Ratio	Lower	Upper
284	100		
142	36.0	27.1	40.7
249	34.2	26.8	40.2

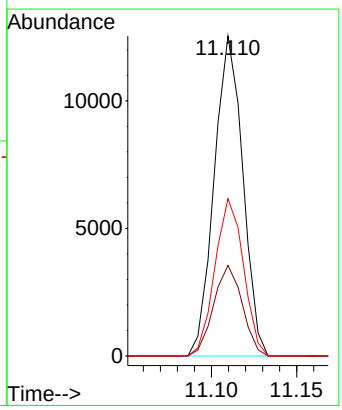


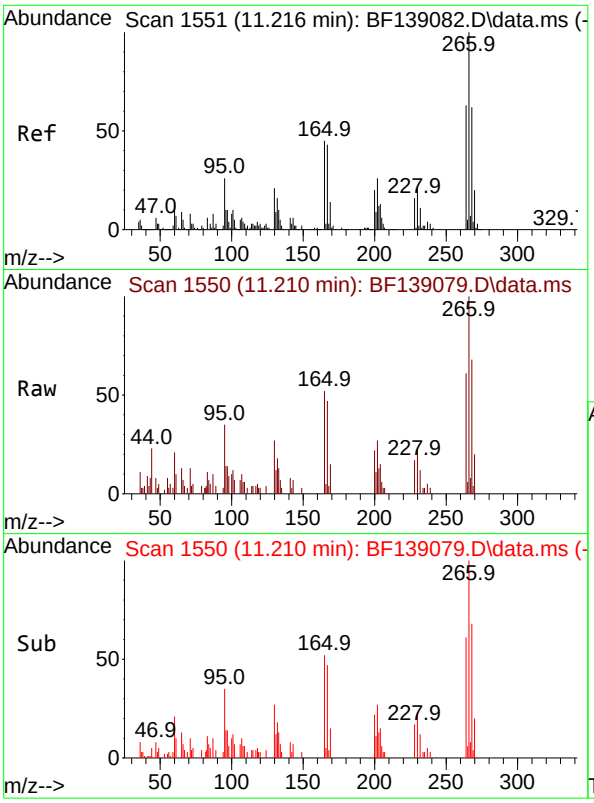


#69
Atrazine
Concen: 6.667 ng
RT: 11.110 min Scan# 1533
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:200 Resp: 14600

Ion	Ratio	Lower	Upper
200	100		
173	28.3	5.2	45.2
215	49.1	27.9	67.9



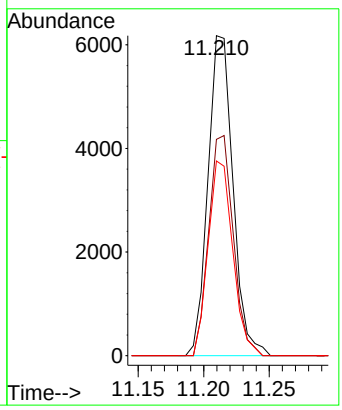


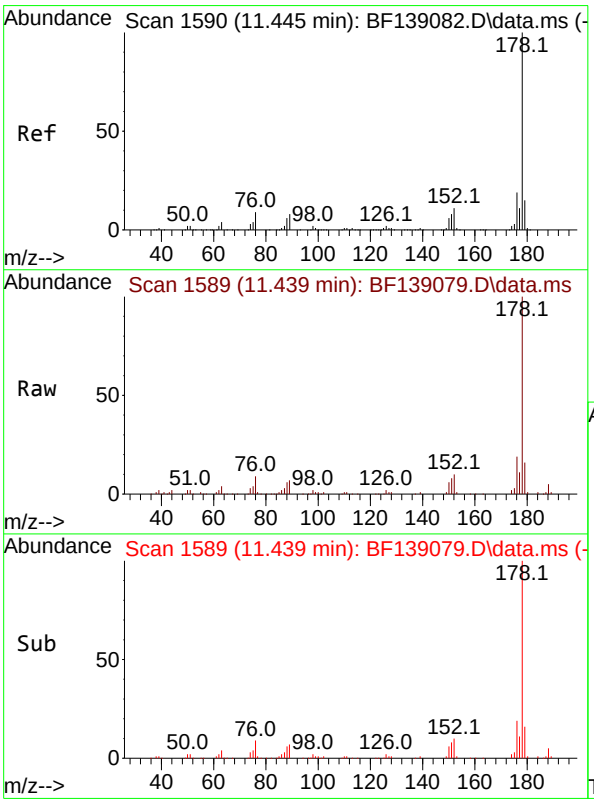
#70
Pentachlorophenol
Concen: 4.657 ng
RT: 11.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:266 Resp: 8196

Ion	Ratio	Lower	Upper
266	100		
268	67.6	49.5	74.3
264	60.8	50.0	75.0

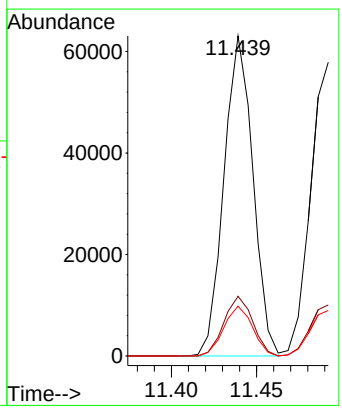


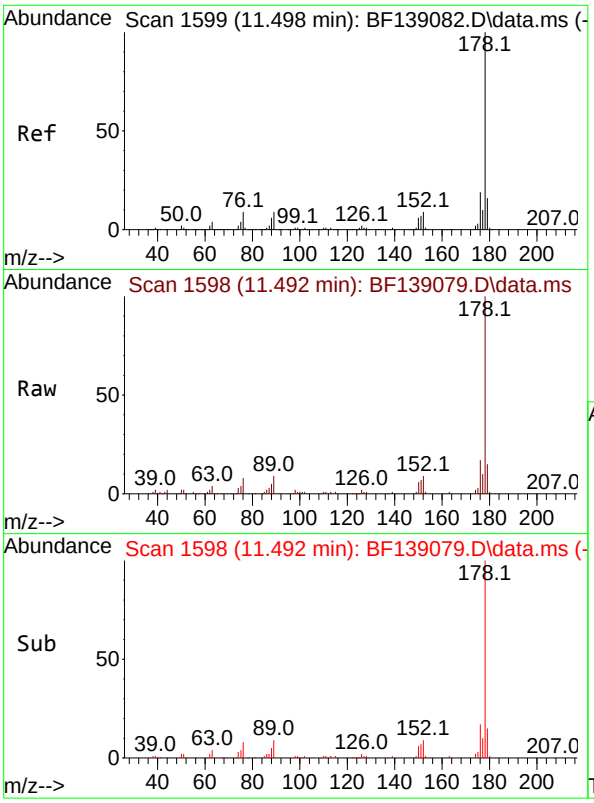


#71
Phenanthrene
Concen: 6.041 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:178 Resp: 74418

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.6	12.3	18.5



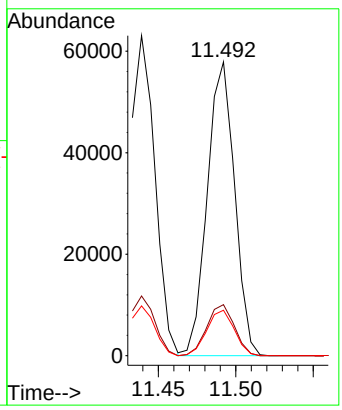


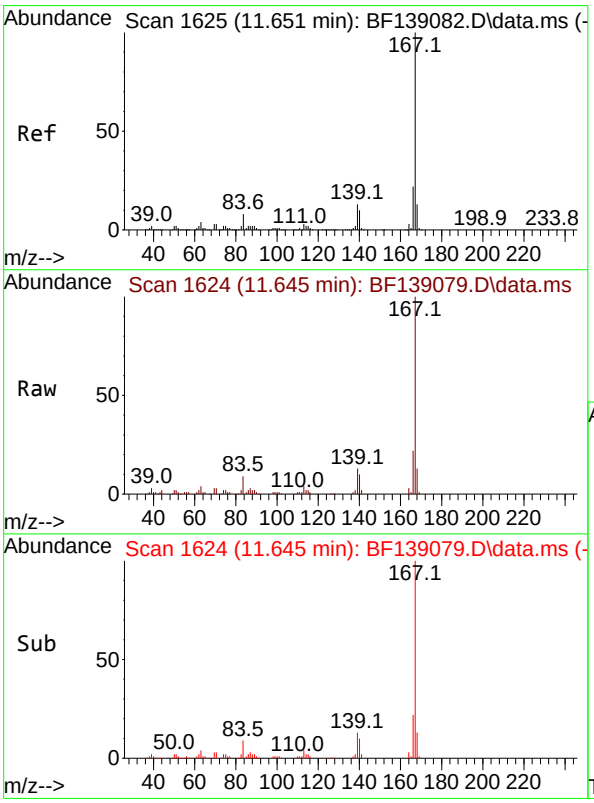
#72
Anthracene
Concen: 5.892 ng
RT: 11.492 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 70978

Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.0	22.4
179	15.5	12.4	18.6

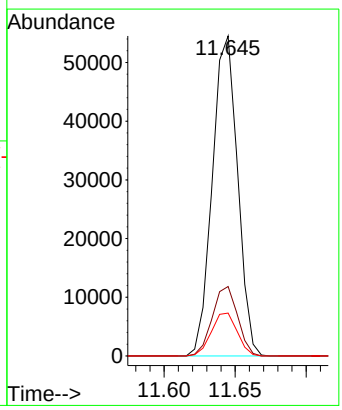


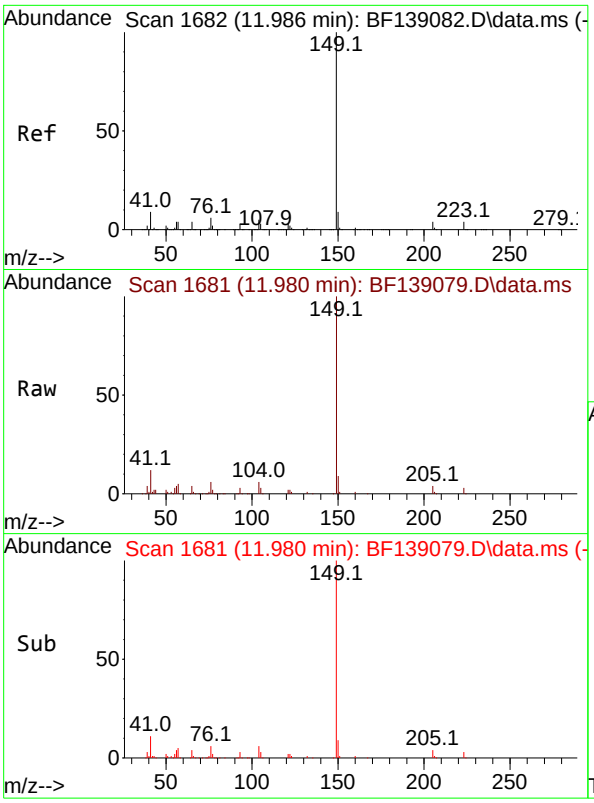


#73
Carbazole
Concen: 5.991 ng
RT: 11.645 min Scan# 1624
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:167 Resp: 67389

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.3	25.9
139	13.4	10.5	15.7



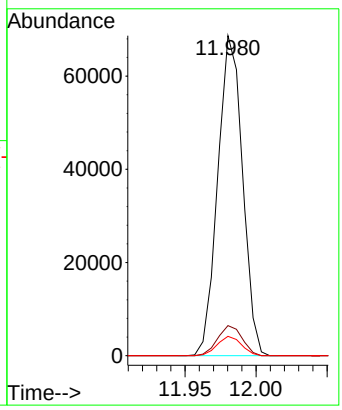


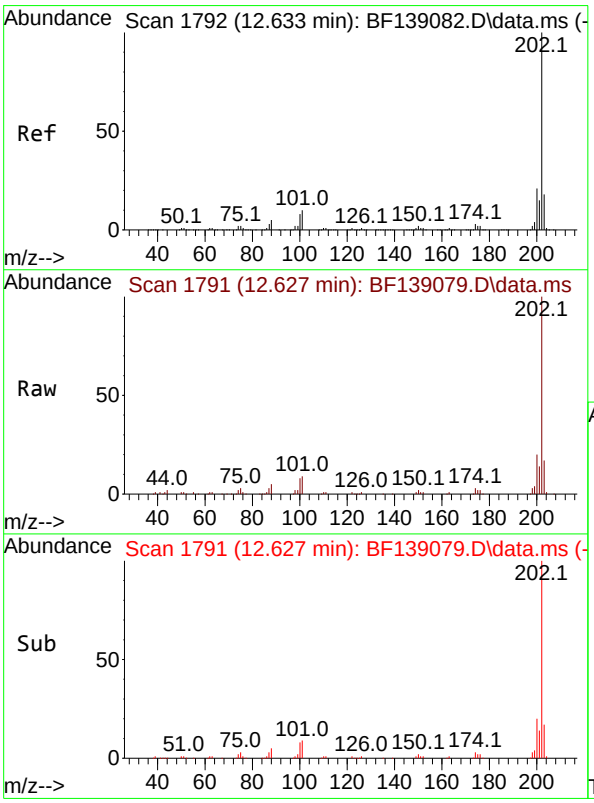
#74
Di-n-butylphthalate
Concen: 6.376 ng
RT: 11.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 83170

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	6.1	4.3	6.5

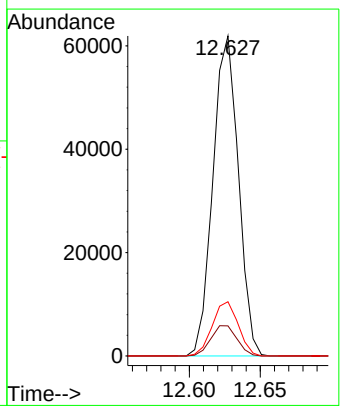


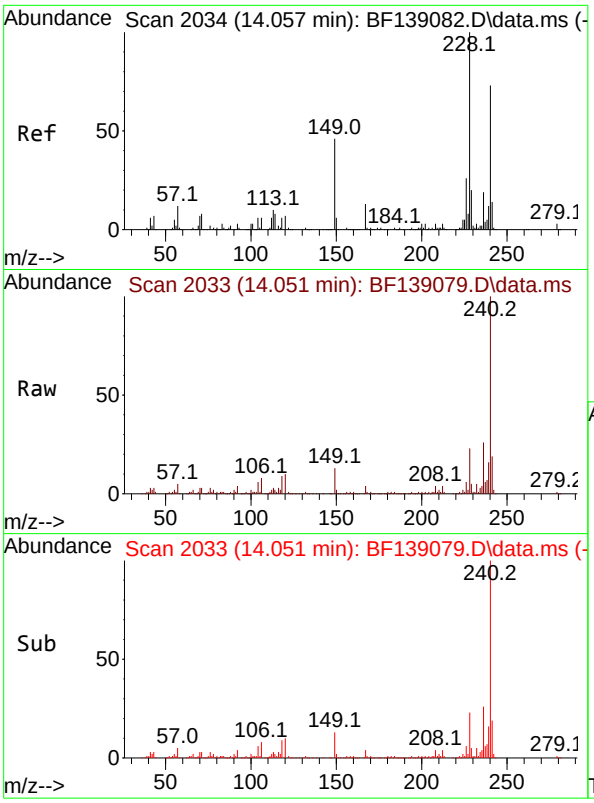


#75
Fluoranthene
Concen: 5.876 ng
RT: 12.627 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:202 Resp: 77258

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	30.2
203	17.0	0.0	37.6



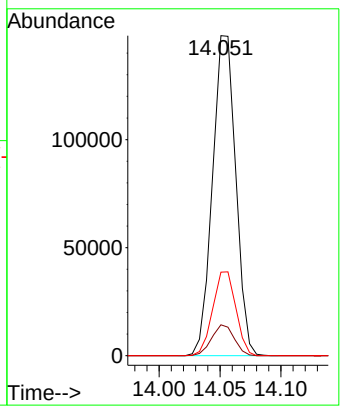


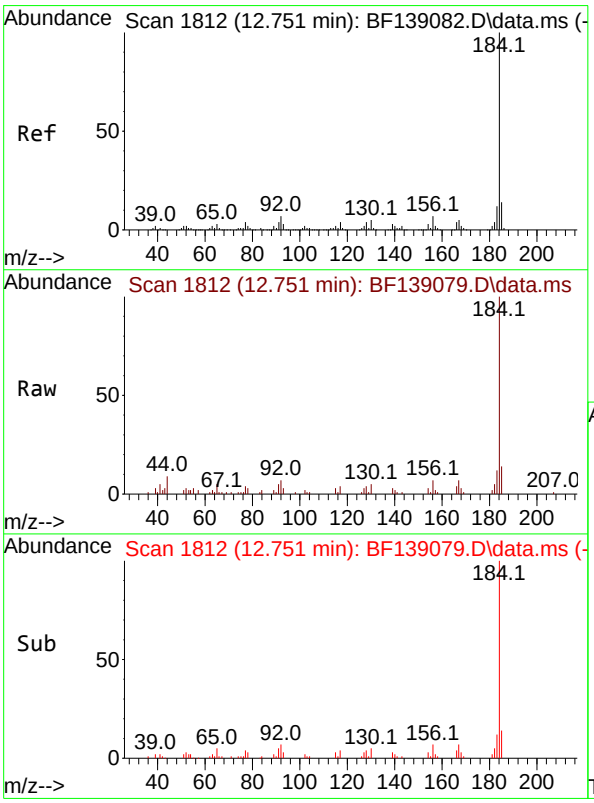
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 197332

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.8	11.6
236	26.1	20.9	31.3

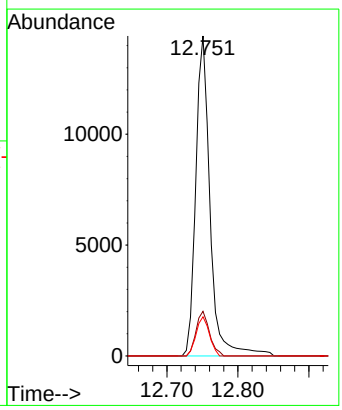


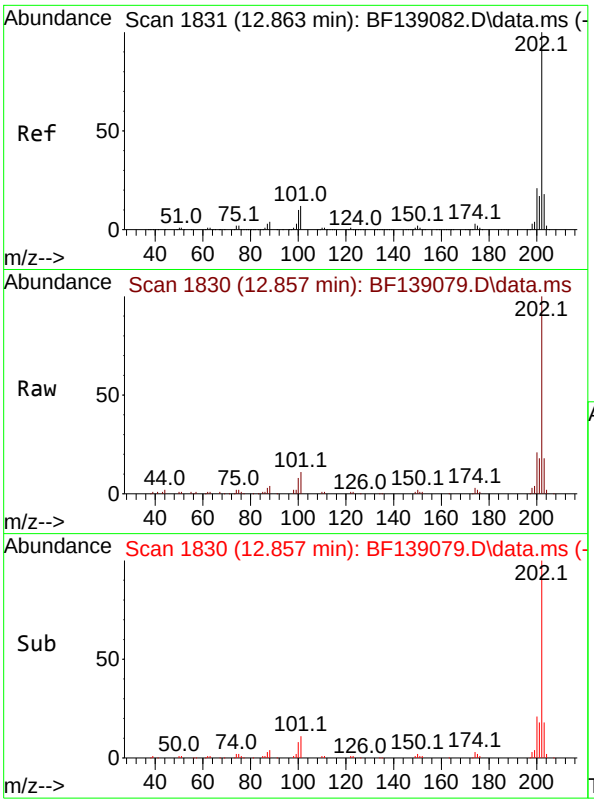


#77
Benzidine
Concen: 4.963 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.000 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:184 Resp: 20231

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	12.2	9.8	14.6



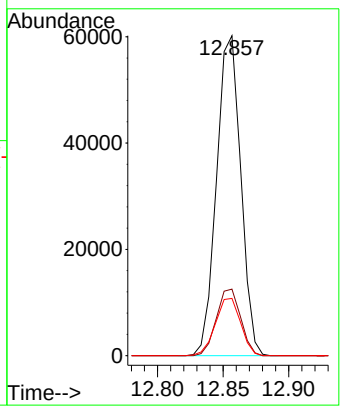


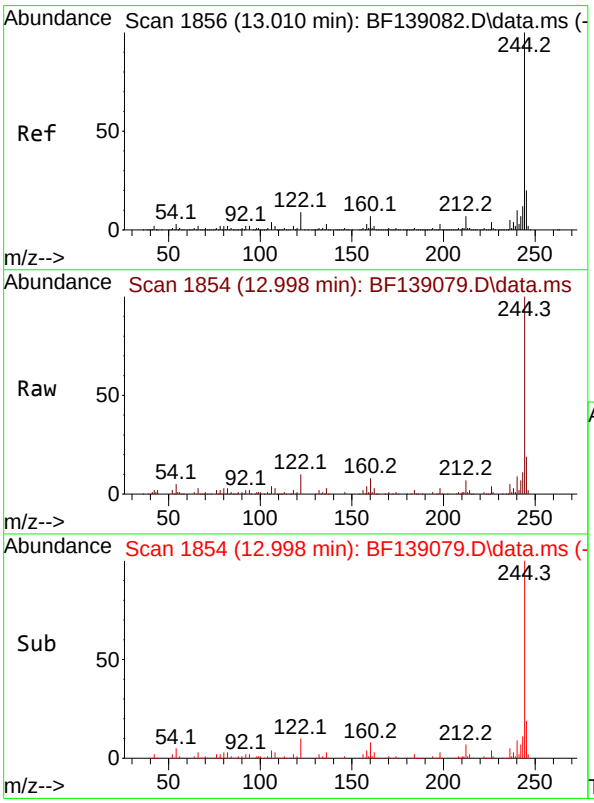
#78
Pyrene
Concen: 4.692 ng
RT: 12.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 77260

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.6
203	17.9	14.1	21.1

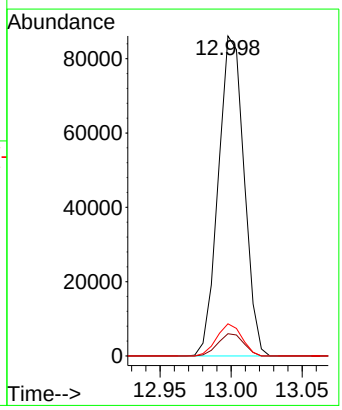


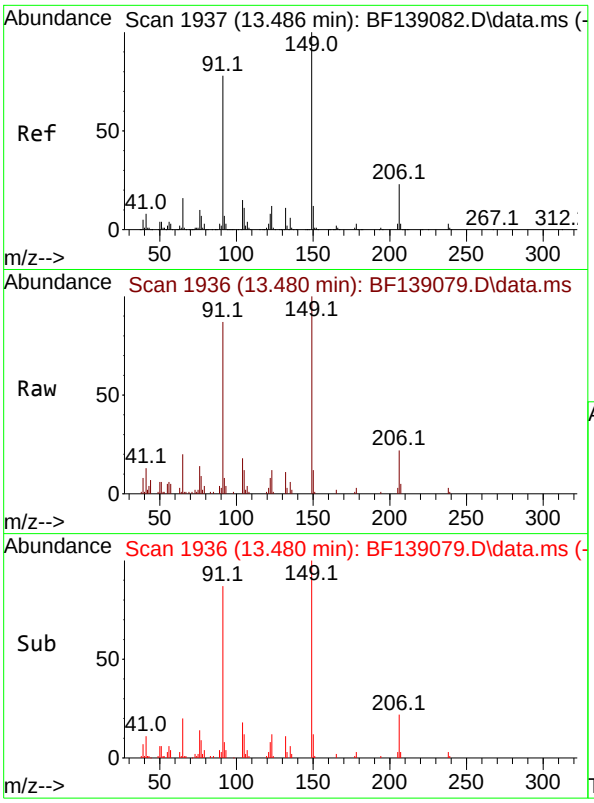


#79
Terphenyl-d14
Concen: 9.121 ng
RT: 12.998 min Scan# 1854
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:244 Resp: 108467

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	10.0	7.6	11.4



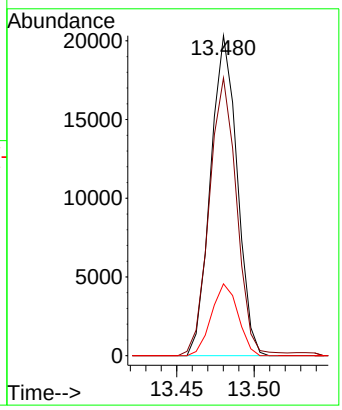


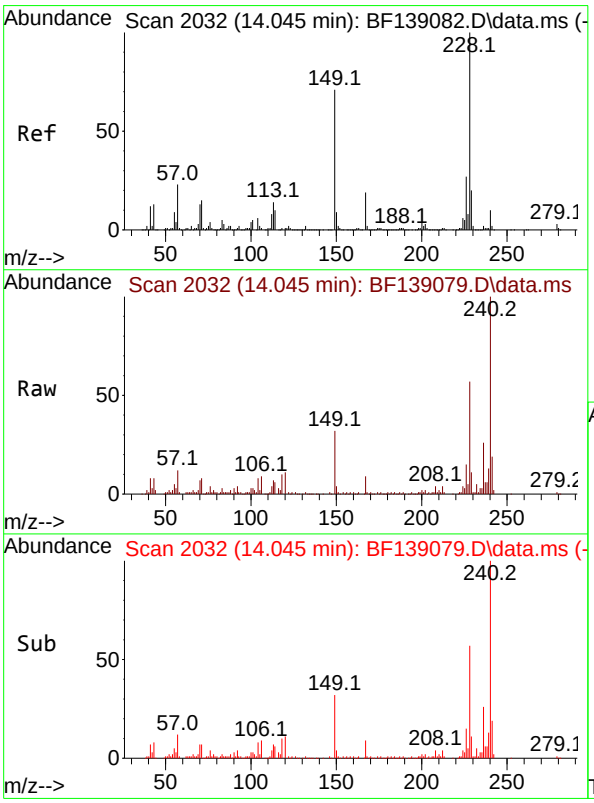
#80
Butylbenzylphthalate
Concen: 4.260 ng
RT: 13.480 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 24272

Ion	Ratio	Lower	Upper
149	100		
91	86.8	62.1	93.1
206	22.4	18.0	27.0

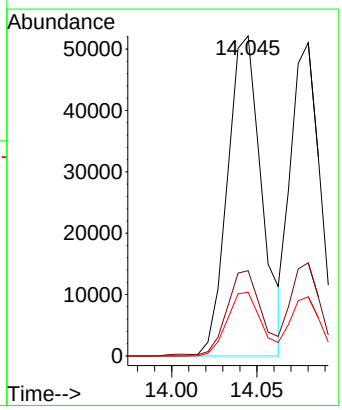


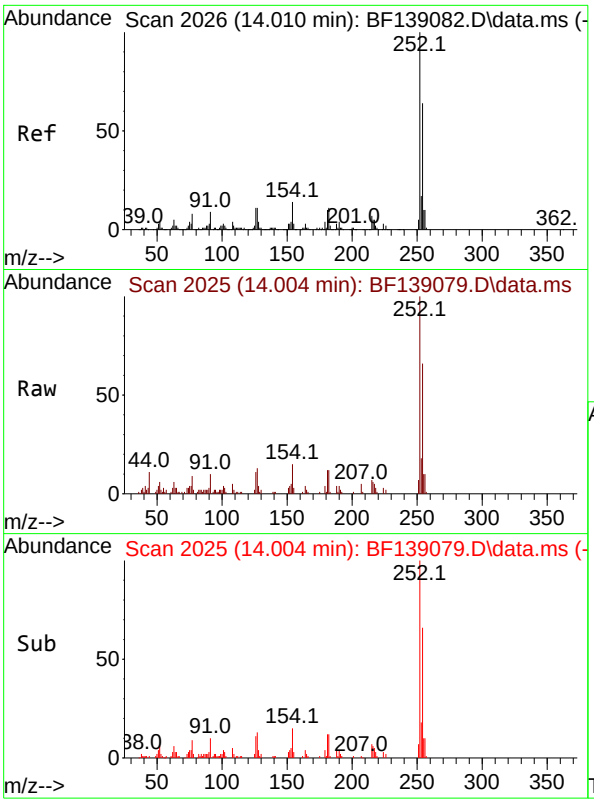


#81
Benzo(a)anthracene
Concen: 5.619 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:228 Resp: 72891

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.9	32.9
229	19.9	16.1	24.1



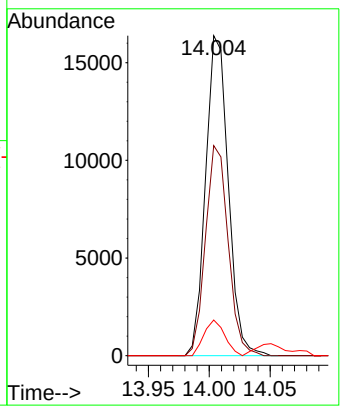


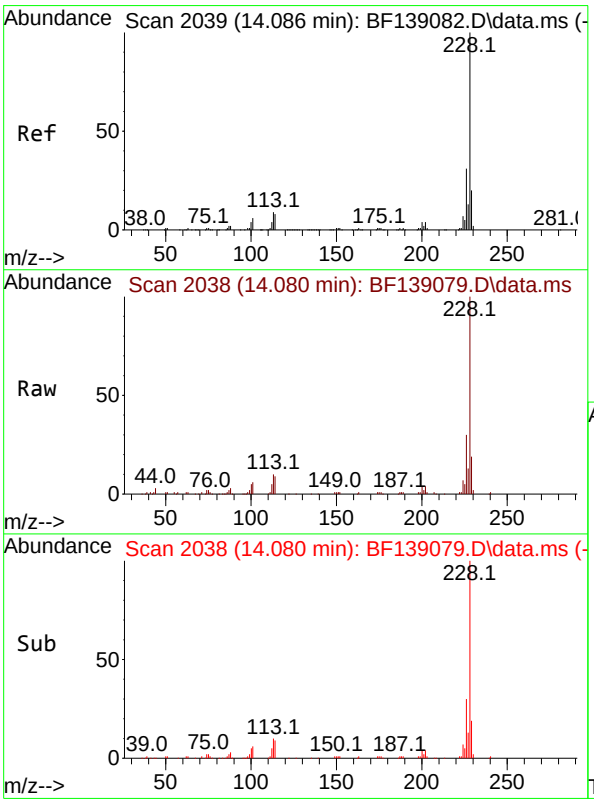
#82
3,3'-Dichlorobenzidine
Concen: 5.840 ng
RT: 14.004 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 21174

Ion	Ratio	Lower	Upper
252	100		
254	65.7	51.4	77.0
126	11.1	8.6	12.8

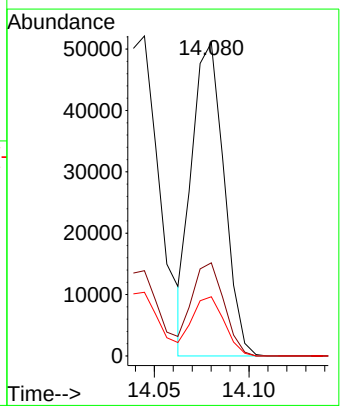


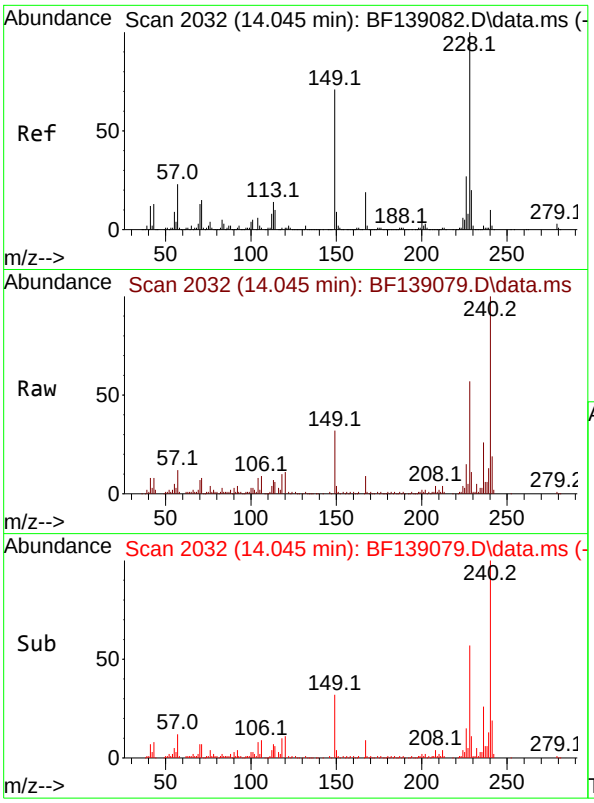


#83
Chrysene
Concen: 5.156 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:228 Resp: 60621

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.3	36.5
229	18.9	15.8	23.8



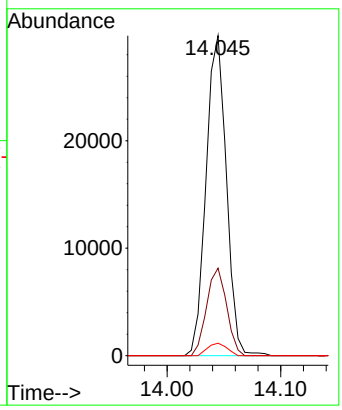


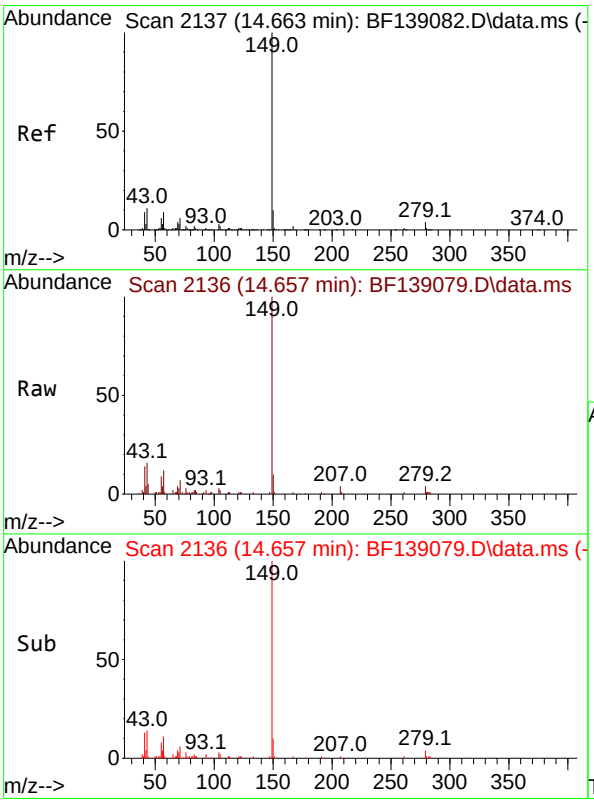
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.892 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 36952

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.8	32.6
279	3.9	3.5	5.3

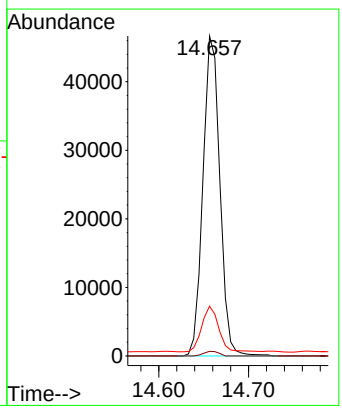


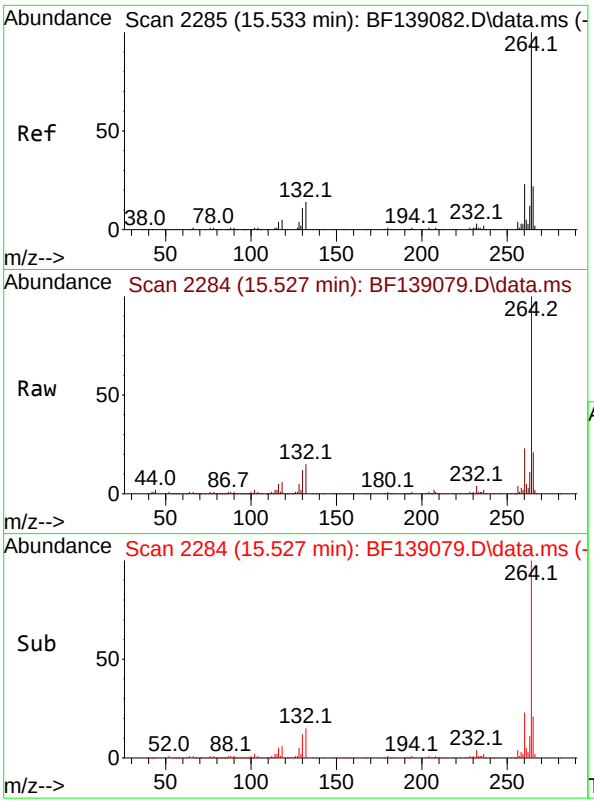


#85
Di-n-octyl phthalate
Concen: 5.760 ng
RT: 14.657 min Scan# 2136
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:149 Resp: 61061

Ion	Ratio	Lower	Upper
149	100		
167	1.3	1.3	1.9
43	14.4	9.6	14.4



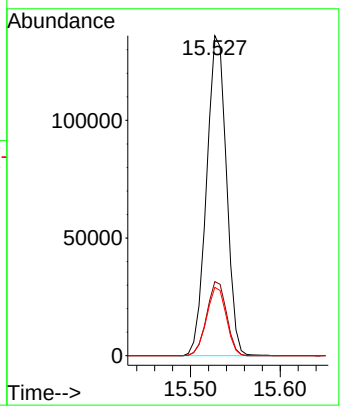


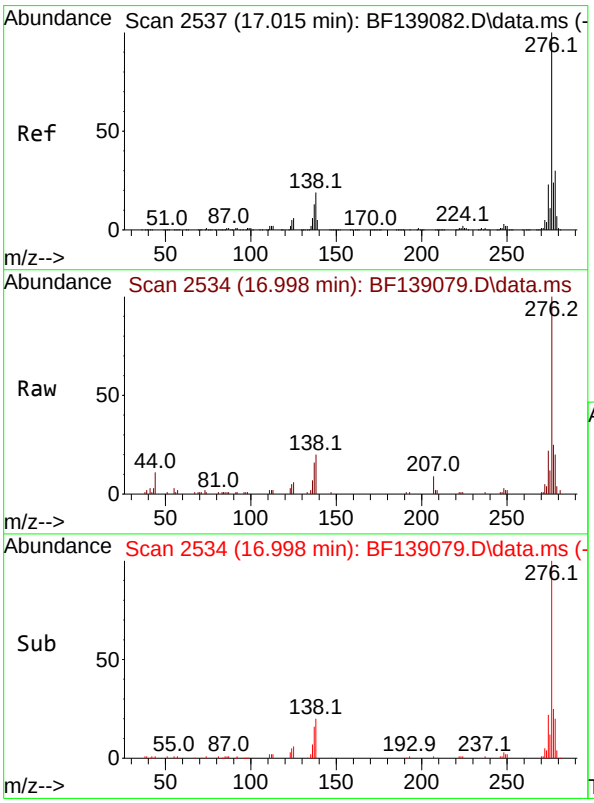
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:264 Resp: 208745

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	21.3	17.4	26.2

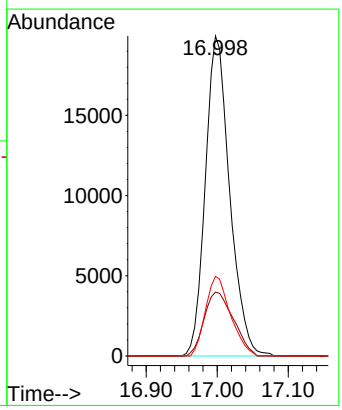


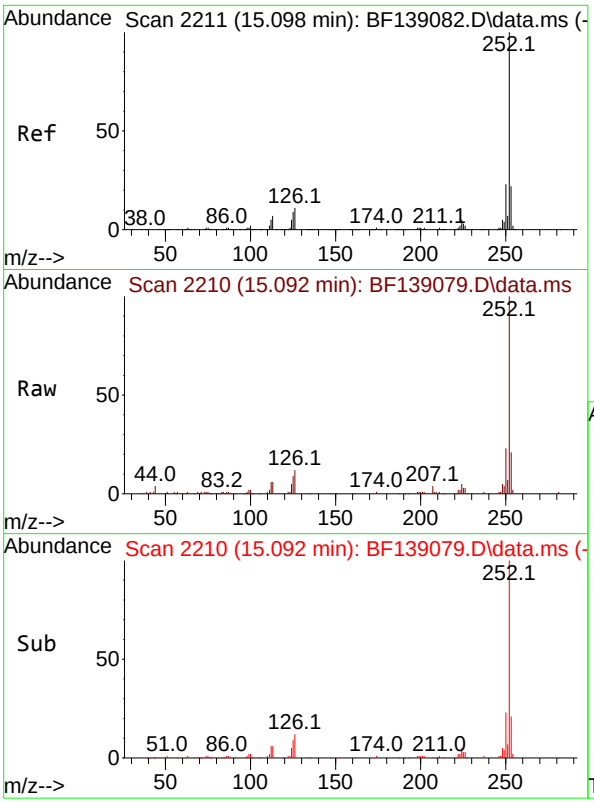


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.885 ng
RT: 16.998 min Scan# 2534
Delta R.T. -0.018 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:276 Resp: 47457

Ion	Ratio	Lower	Upper
276	100		
138	24.1	17.3	25.9
277	25.5	20.2	30.4



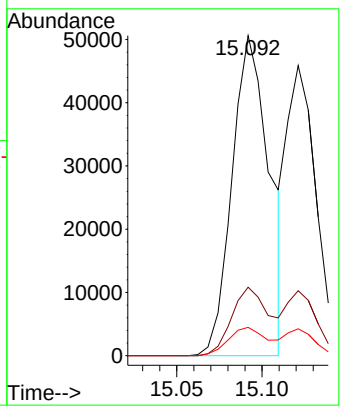


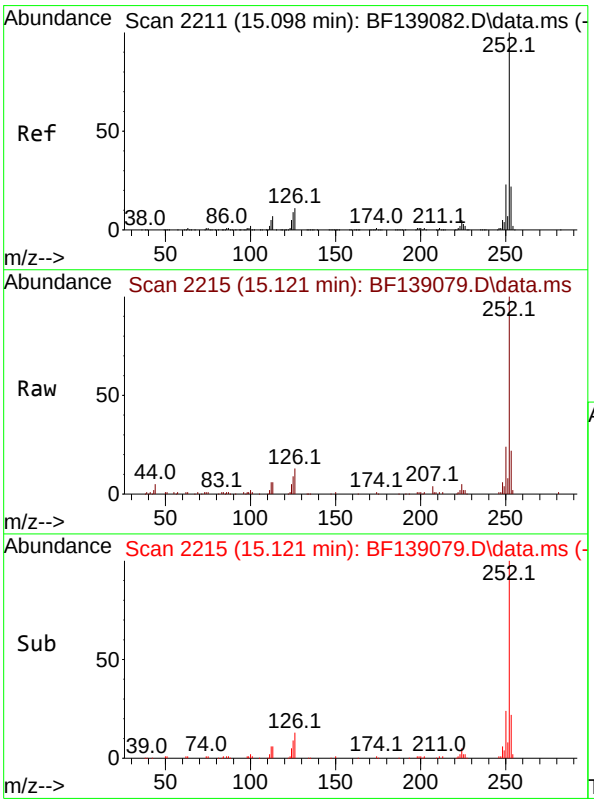
#88
Benzo(b)fluoranthene
Concen: 5.653 ng
RT: 15.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 76926

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	8.9	7.0	10.6

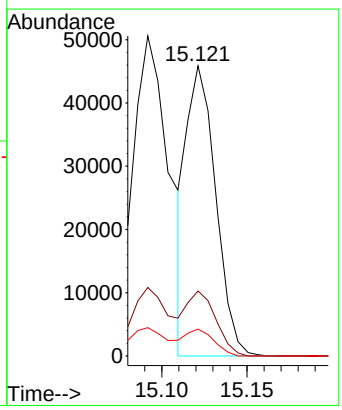


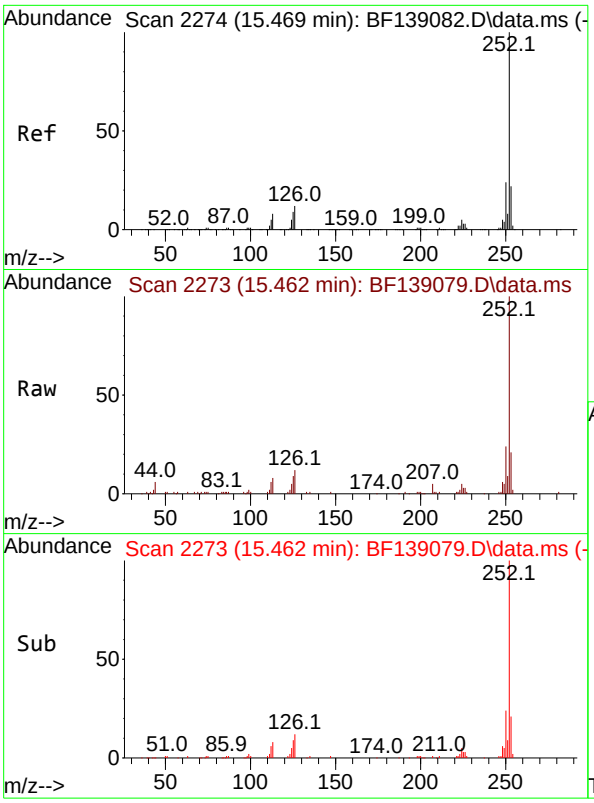


#89
Benzo(k)fluoranthene
Concen: 4.837 ng
RT: 15.121 min Scan# 2215
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:252 Resp: 54822

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	9.3	7.0	10.6



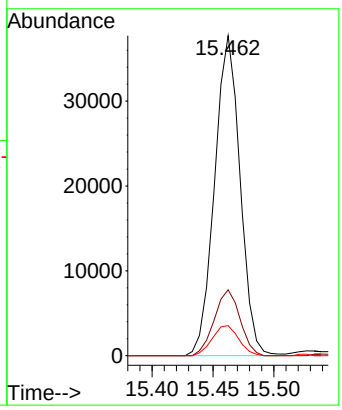


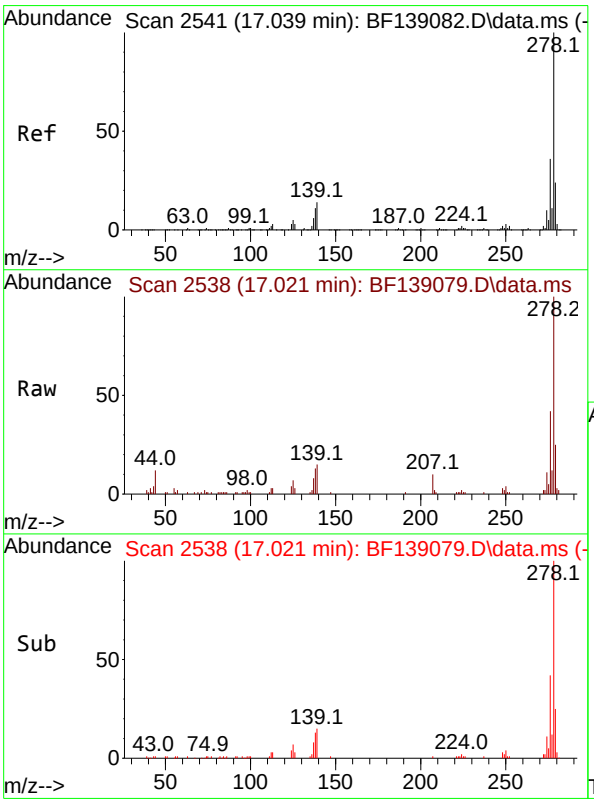
#90
Benzo(a)pyrene
Concen: 5.108 ng
RT: 15.462 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 54925

Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.3	25.9
125	9.4	7.4	11.2

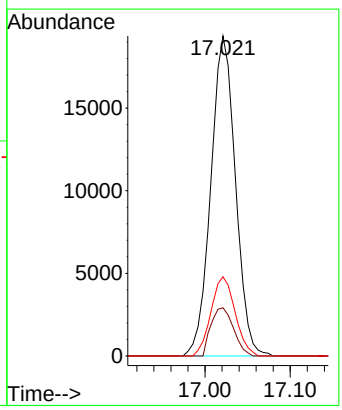


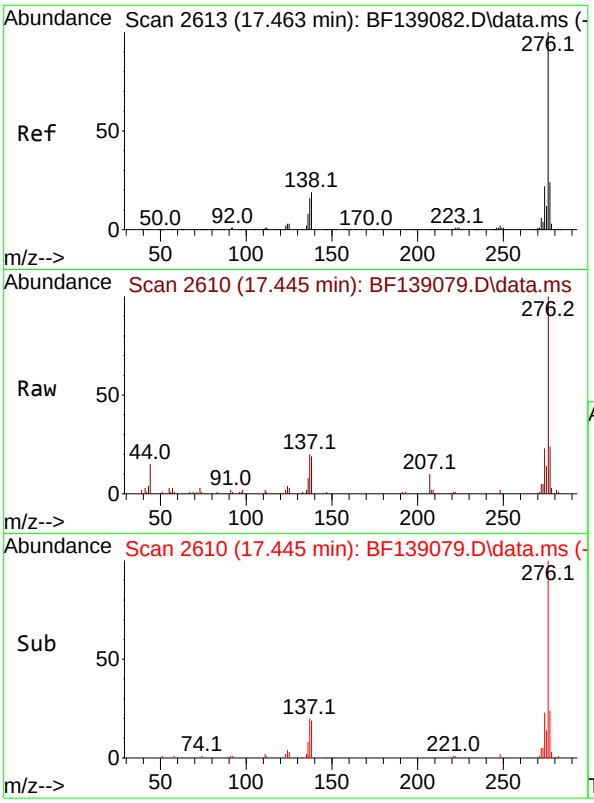


#91
Dibenzo(a,h)anthracene
Concen: 3.879 ng
RT: 17.021 min Scan# 2538
Delta R.T. -0.018 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:278 Resp: 38904

Ion	Ratio	Lower	Upper
278	100		
139	15.1	10.8	16.2
279	24.7	19.2	28.8



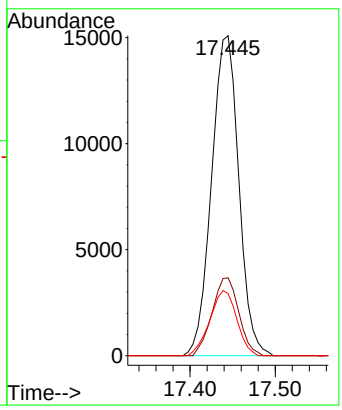


#92
Benzo(g,h,i)perylene
Concen: 5.546 ng
RT: 17.445 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 33473

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	19.4	15.0	22.4



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139080.D
Acq On : 20 Aug 2024 18:10
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Aug 21 01:12:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	120878	20.000	ng		0.00
21) Naphthalene-d8	8.181	136	439938	20.000	ng		0.00
39) Acenaphthene-d10	9.933	164	254047	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	449729	20.000	ng		0.00
76) Chrysene-d12	14.057	240	349929	20.000	ng		0.00
86) Perylene-d12	15.533	264	289853	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	158933	20.229	ng		0.00
7) Phenol-d6	6.510	99	205306	20.223	ng		-0.01
23) Nitrobenzene-d5	7.451	82	126500	16.755	ng		-0.01
42) 2,4,6-Tribromophenol	10.716	330	44220	19.227	ng		0.00
45) 2-Fluorobiphenyl	9.251	172	340797	21.284	ng		0.00
79) Terphenyl-d14	13.004	244	392262	18.600	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.699	88	34983	10.381	ng		97
3) Pyridine	3.446	79	88797	10.369	ng		99
4) n-Nitrosodimethylamine	3.387	42	48609	9.397	ng	#	99
6) Aniline	6.551	93	93551	10.208	ng		98
8) 2-Chlorophenol	6.675	128	75799	10.030	ng		98
9) Benzaldehyde	6.445	77	71464	12.003	ng		97
10) Phenol	6.522	94	108342	10.257	ng		96
11) bis(2-Chloroethyl)ether	6.628	93	79970	9.450	ng		99
12) 1,3-Dichlorobenzene	6.834	146	92646	10.197	ng		100
13) 1,4-Dichlorobenzene	6.916	146	94298	10.380	ng		97
14) 1,2-Dichlorobenzene	7.063	146	88171	10.620	ng		98
15) Benzyl Alcohol	7.028	79	79329	9.887	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	119381	9.977	ng		99
17) 2-Methylphenol	7.134	107	65643	10.154	ng		99
18) Hexachloroethane	7.410	117	30325	9.520	ng		94
19) n-Nitroso-di-n-propyla...	7.298	70	62767	9.415	ng		97
20) 3+4-Methylphenols	7.286	107	85673	10.228	ng	#	86
22) Acetophenone	7.298	105	116284	10.352	ng		98
24) Nitrobenzene	7.475	77	73631	8.774	ng		97
25) Isophorone	7.710	82	164616	10.258	ng		100
26) 2-Nitrophenol	7.792	139	16519	10.580	ng		99
27) 2,4-Dimethylphenol	7.822	122	49848	9.796	ng		98
28) bis(2-Chloroethoxy)met...	7.922	93	96318	10.272	ng		99
29) 2,4-Dichlorophenol	8.028	162	63731	10.053	ng		99
30) 1,2,4-Trichlorobenzene	8.116	180	76944	10.365	ng		99
31) Naphthalene	8.198	128	233610	10.479	ng		99
32) Benzoic acid	7.886	122	21916	12.912	ng		92
33) 4-Chloroaniline	8.245	127	78102	10.229	ng		99
34) Hexachlorobutadiene	8.316	225	51211	10.561	ng		99
35) Caprolactam	8.581	113	19994	9.949	ng		98
36) 4-Chloro-3-methylphenol	8.716	107	69035	9.835	ng		97
37) 2-Methylnaphthalene	8.886	142	149152	10.430	ng		99
38) 1-Methylnaphthalene	8.986	142	145582	10.549	ng		99
40) 1,2,4,5-Tetrachloroben...	9.051	216	75584	8.585	ng		99
41) Hexachlorocyclopentadiene	9.045	237	24349	9.109	ng		96
43) 2,4,6-Trichlorophenol	9.163	196	46215	9.846	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139080.D
Acq On : 20 Aug 2024 18:10
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Aug 21 01:12:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	45634	9.472	ng		99
46) 1,1'-Biphenyl	9.351	154	187807	10.792	ng		99
47) 2-Chloronaphthalene	9.375	162	147954	10.463	ng		99
48) 2-Nitroaniline	9.469	65	21571	10.352	ng		99
49) Acenaphthylene	9.792	152	211674	10.450	ng		99
50) Dimethylphthalate	9.651	163	162672	10.372	ng		99
51) 2,6-Dinitrotoluene	9.710	165	18731	9.911	ng		99
52) Acenaphthene	9.963	154	136622	10.211	ng		99
53) 3-Nitroaniline	9.875	138	19146	9.666	ng	#	90
54) 2,4-Dinitrophenol	9.975	184	4613	10.995	ng	#	1
55) Dibenzofuran	10.133	168	205829	10.591	ng		98
56) 4-Nitrophenol	10.022	139	16588	6.997	ng		96
57) 2,4-Dinitrotoluene	10.110	165	21006	10.256	ng		99
58) Fluorene	10.480	166	162549	10.466	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	37698	9.745	ng		99
60) Diethylphthalate	10.351	149	157093	10.109	ng		100
61) 4-Chlorophenyl-phenyle...	10.475	204	81606	10.520	ng		95
62) 4-Nitroaniline	10.480	138	20891	9.698	ng		91
63) Azobenzene	10.633	77	175015	10.134	ng		99
65) 4,6-Dinitro-2-methylph...	10.510	198	6992	11.000	ng		93
66) n-Nitrosodiphenylamine	10.586	169	136277	10.241	ng		99
67) 4-Bromophenyl-phenylether	10.963	248	48816	10.244	ng		99
68) Hexachlorobenzene	11.022	284	51493	10.072	ng		99
69) Atrazine	11.110	200	44507	10.951	ng		99
70) Pentachlorophenol	11.216	266	29356	8.989	ng		98
71) Phenanthrene	11.439	178	236801	10.359	ng		99
72) Anthracene	11.492	178	233155	10.430	ng		99
73) Carbazole	11.645	167	215667	10.331	ng		99
74) Di-n-butylphthalate	11.980	149	242115	10.003	ng		99
75) Fluoranthene	12.627	202	260569	10.680	ng		99
77) Benzidine	12.751	184	63248	8.750	ng		99
78) Pyrene	12.857	202	261625	8.959	ng		99
80) Butylbenzylphthalate	13.480	149	86951	8.607	ng		99
81) Benzo(a)anthracene	14.045	228	235019	10.217	ng		99
82) 3,3'-Dichlorobenzidine	14.010	252	73276	11.396	ng		99
83) Chrysene	14.080	228	217764	10.444	ng		98
84) Bis(2-ethylhexyl)phtha...	14.045	149	125777	9.391	ng		99
85) Di-n-octyl phthalate	14.662	149	183724	9.774	ng		100
87) Indeno(1,2,3-cd)pyrene	16.998	276	126465	7.455	ng		99
88) Benzo(b)fluoranthene	15.092	252	201640	10.671	ng		99
89) Benzo(k)fluoranthene	15.121	252	176757	11.231	ng		99
90) Benzo(a)pyrene	15.462	252	154721	10.362	ng		99
91) Dibenzo(a,h)anthracene	17.021	278	104872	7.531	ng		98
92) Benzo(g,h,i)perylene	17.445	276	103295	8.909	ng		98

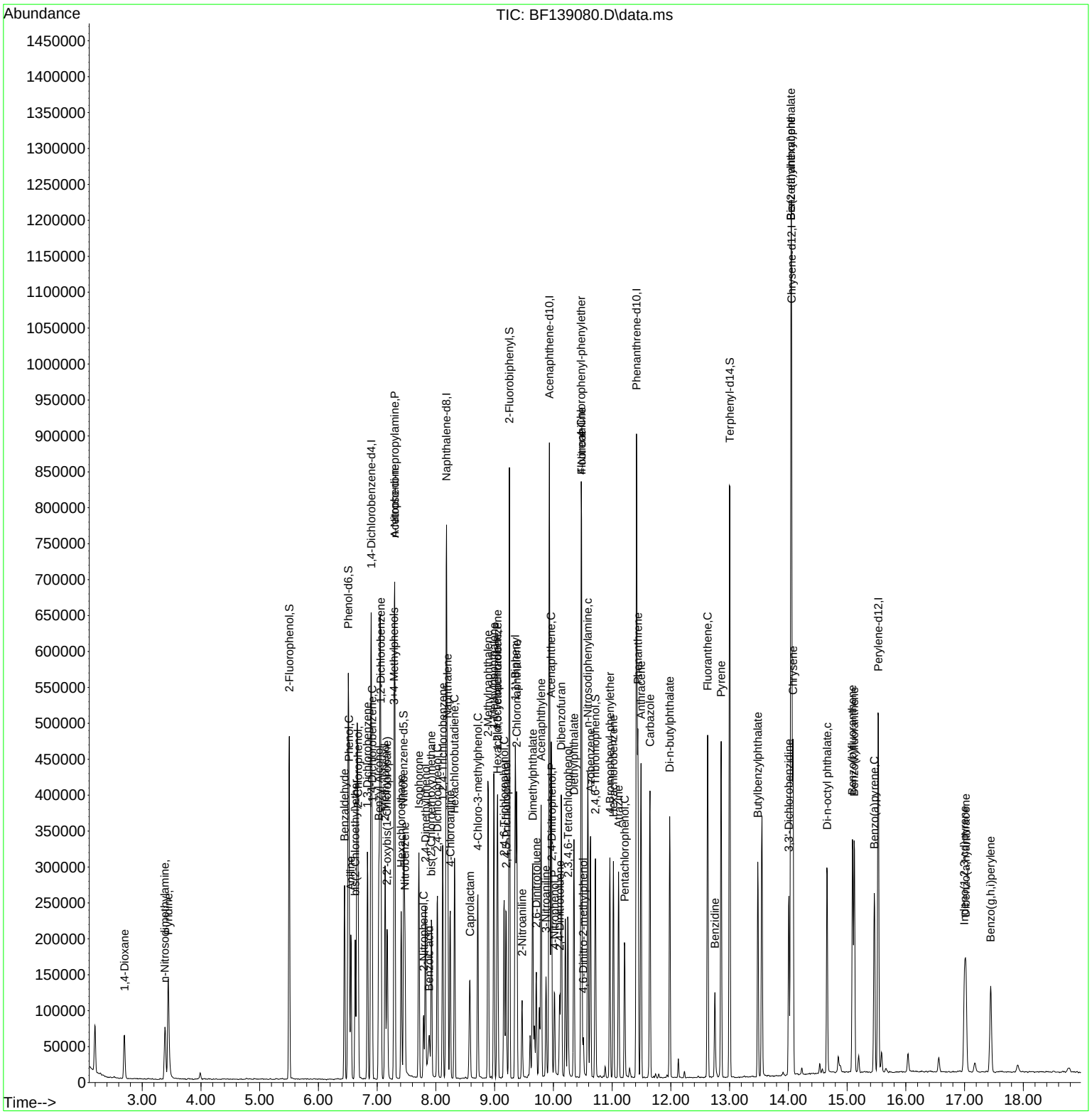
(#) = qualifier out of range (m) = manual integration (+) = signals summed

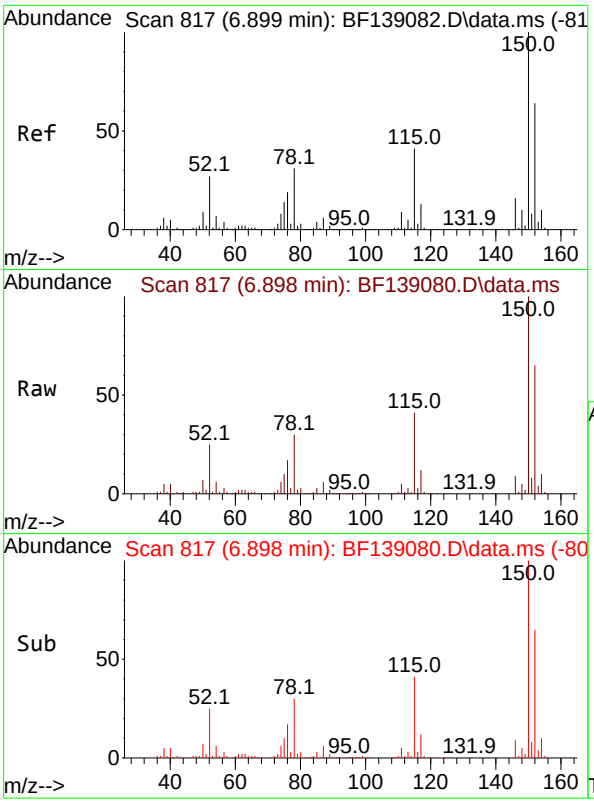
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139080.D
Acq On : 20 Aug 2024 18:10
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Aug 21 01:12:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration



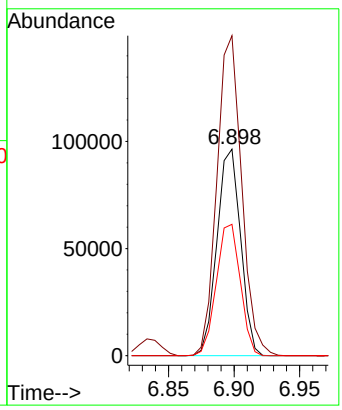


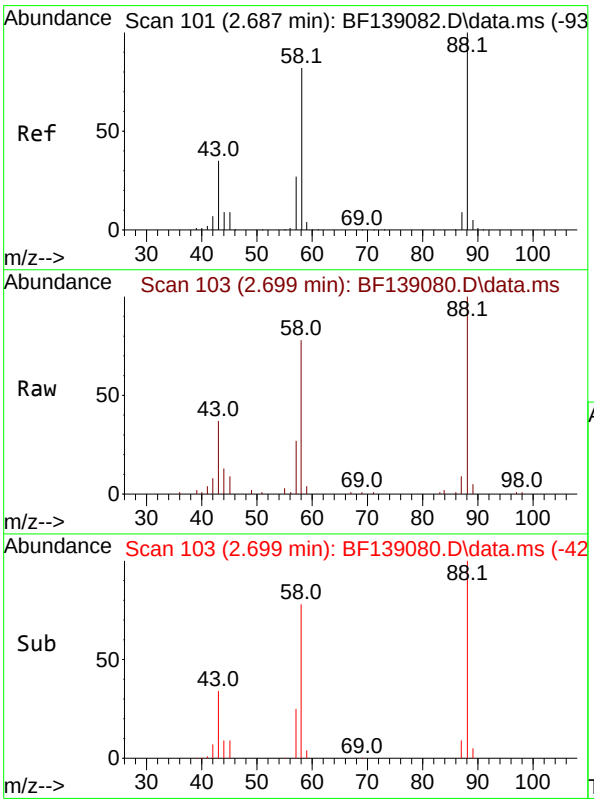
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 120878

Ion	Ratio	Lower	Upper
152	100		
150	154.9	125.1	187.7
115	63.6	51.8	77.6

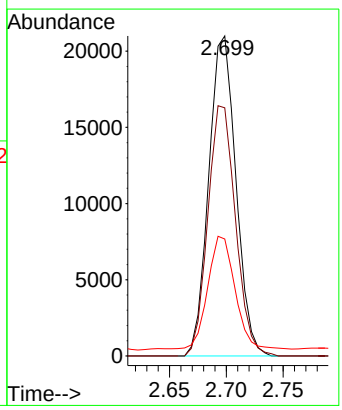


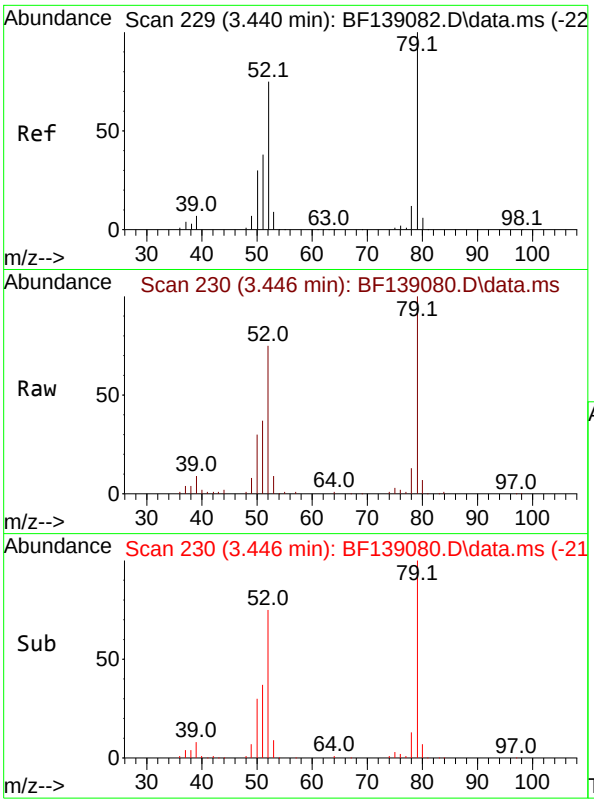


#2
1,4-Dioxane
Concen: 10.381 ng
RT: 2.699 min Scan# 103
Delta R.T. 0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion: 88 Resp: 34983

Ion	Ratio	Lower	Upper
88	100		
58	79.7	65.4	98.0
43	36.7	27.9	41.9



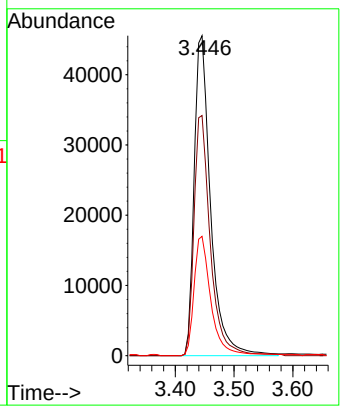


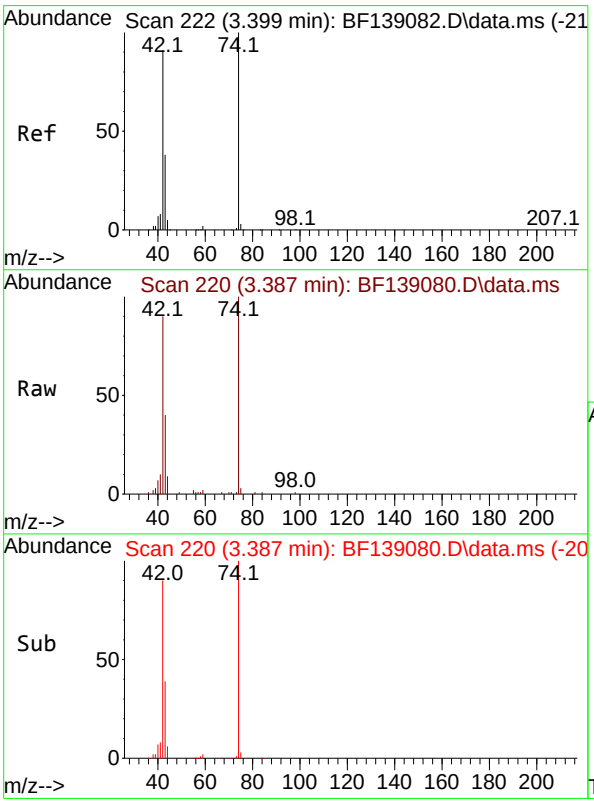
#3
Pyridine
Concen: 10.369 ng
RT: 3.446 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 88797

Ion	Ratio	Lower	Upper
79	100		
52	75.0	59.7	89.5
51	37.3	30.6	45.8

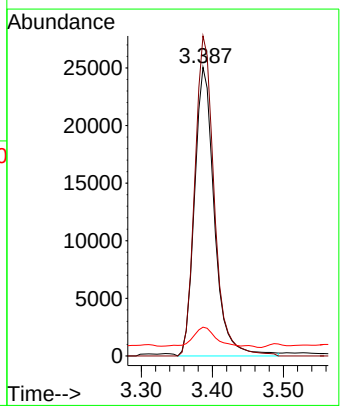


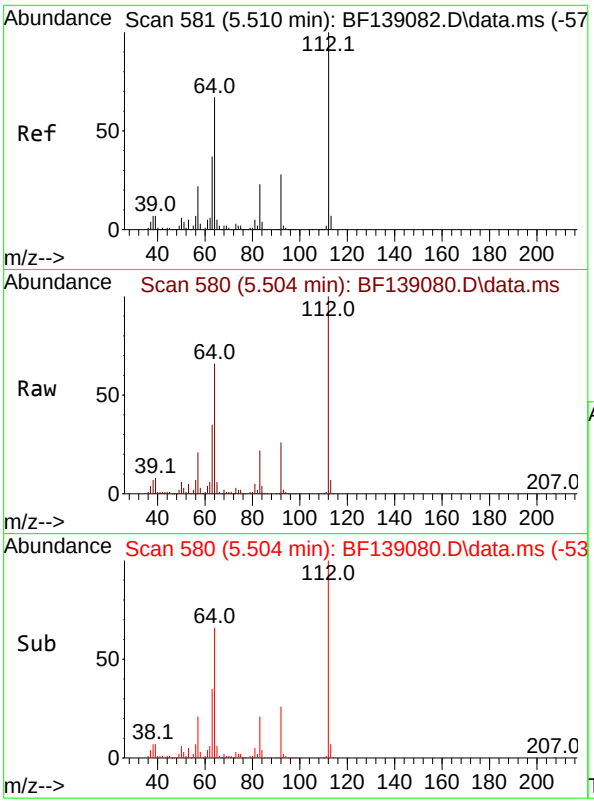


#4
n-Nitrosodimethylamine
Concen: 9.397 ng
RT: 3.387 min Scan# 220
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion: 42 Resp: 48609

Ion	Ratio	Lower	Upper
42	100		
74	110.9	88.2	132.2
44	10.0	5.4	8.0#



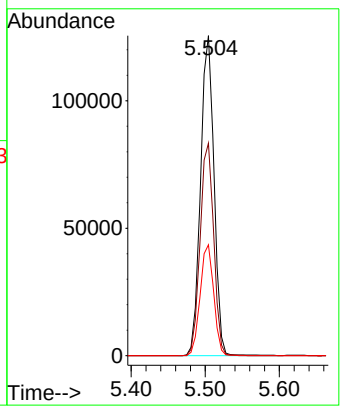


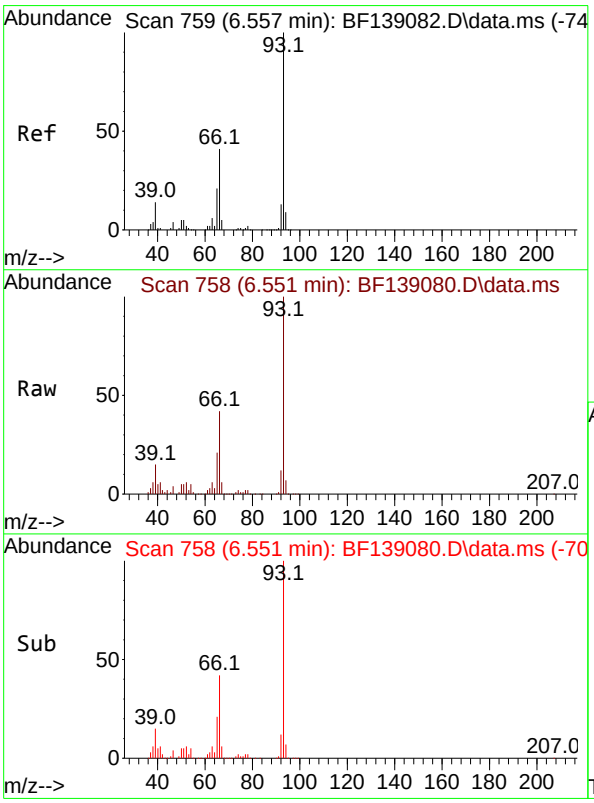
#5
2-Fluorophenol
Concen: 20.229 ng
RT: 5.504 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 158933

Ion	Ratio	Lower	Upper
112	100		
64	66.4	53.8	80.6
63	34.6	29.4	44.2

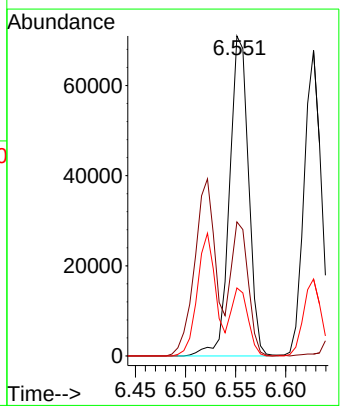


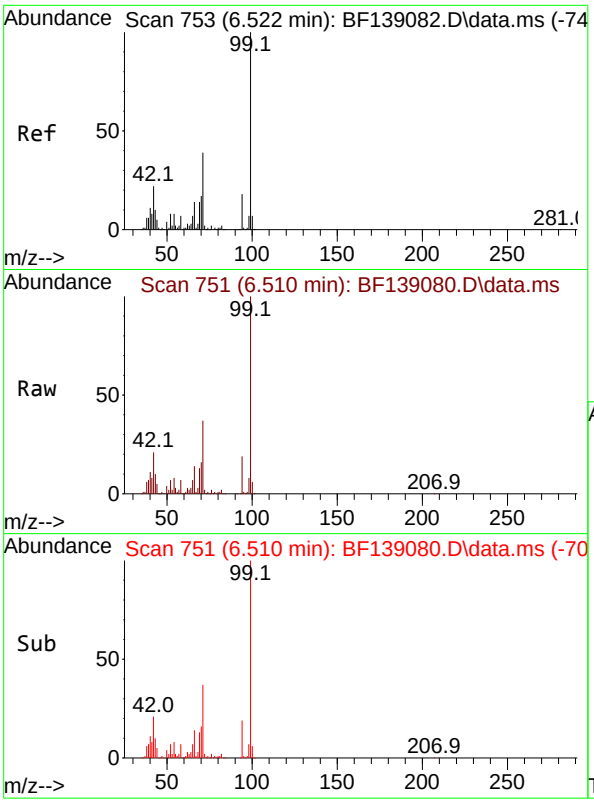


#6
Aniline
Concen: 10.208 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion: 93 Resp: 93551

Ion	Ratio	Lower	Upper
93	100		
66	41.9	35.1	52.7
65	21.2	17.4	26.2



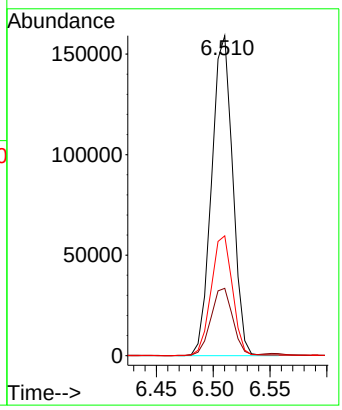


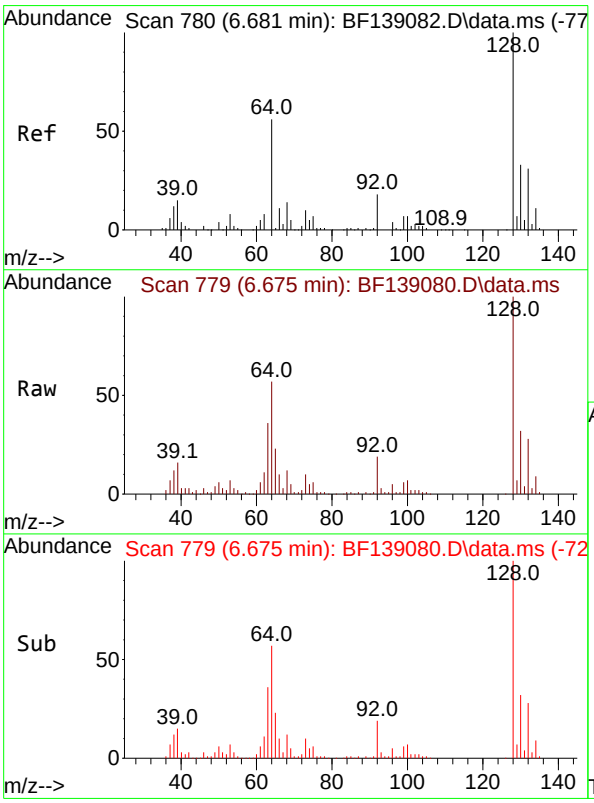
#7
Phenol-d6
Concen: 20.223 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 205306

Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.4	26.2
71	37.4	31.2	46.8

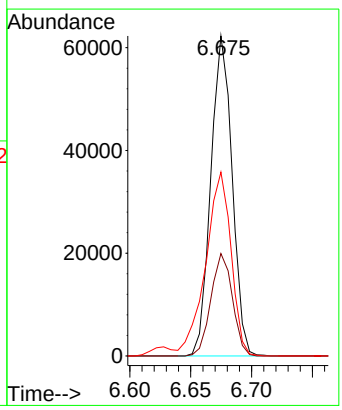


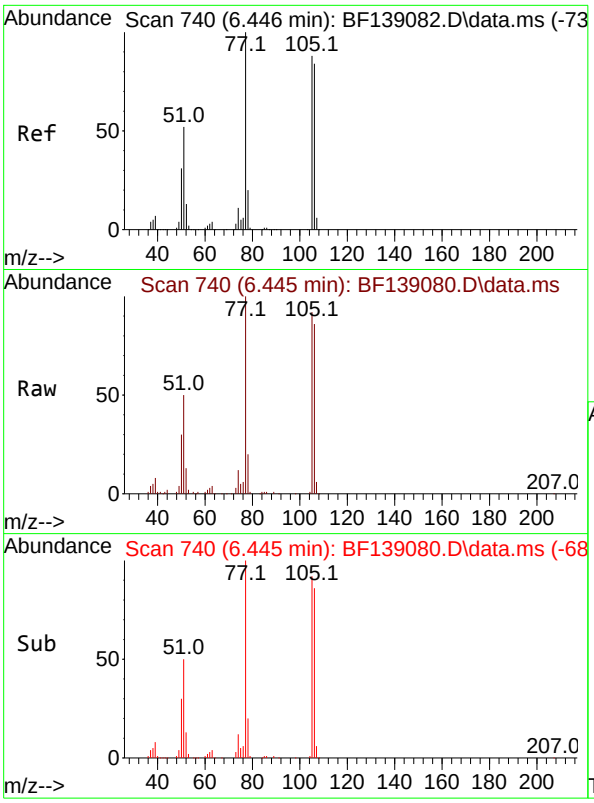


#8
2-Chlorophenol
Concen: 10.030 ng
RT: 6.675 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:128 Resp: 75799

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.6	52.6
64	57.5	39.1	79.1



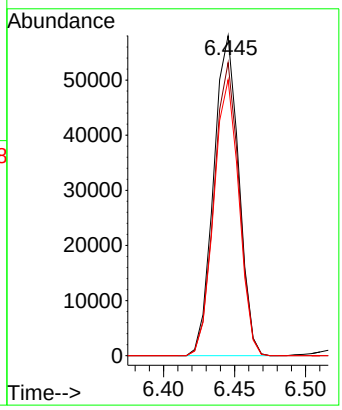


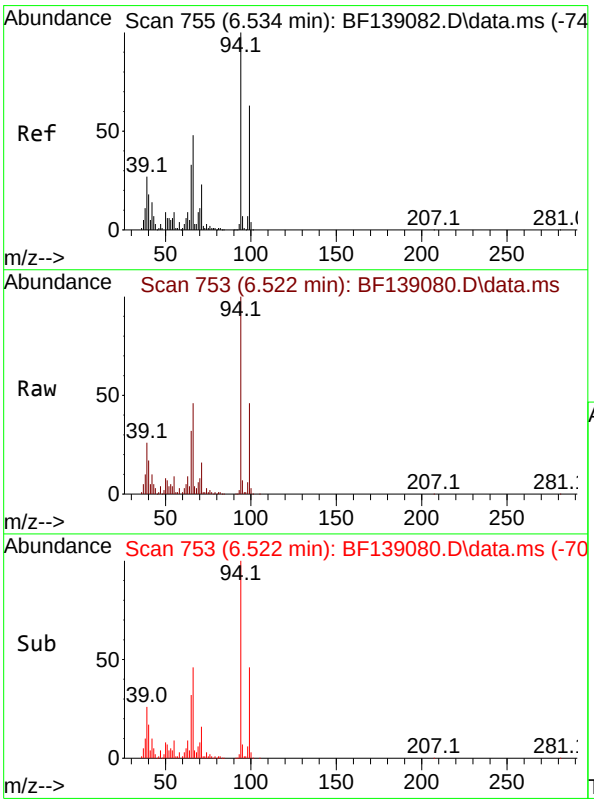
#9
Benzaldehyde
Concen: 12.003 ng
RT: 6.445 min Scan# 74
Delta R.T. -0.001 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 71464

Ion	Ratio	Lower	Upper
77	100		
105	91.6	68.2	108.2
106	86.3	63.8	103.8

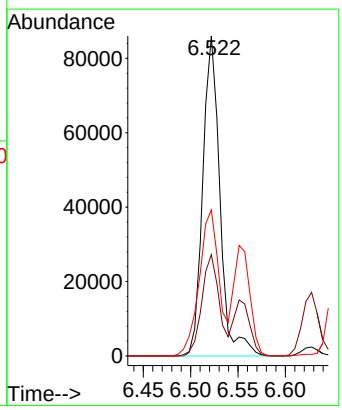


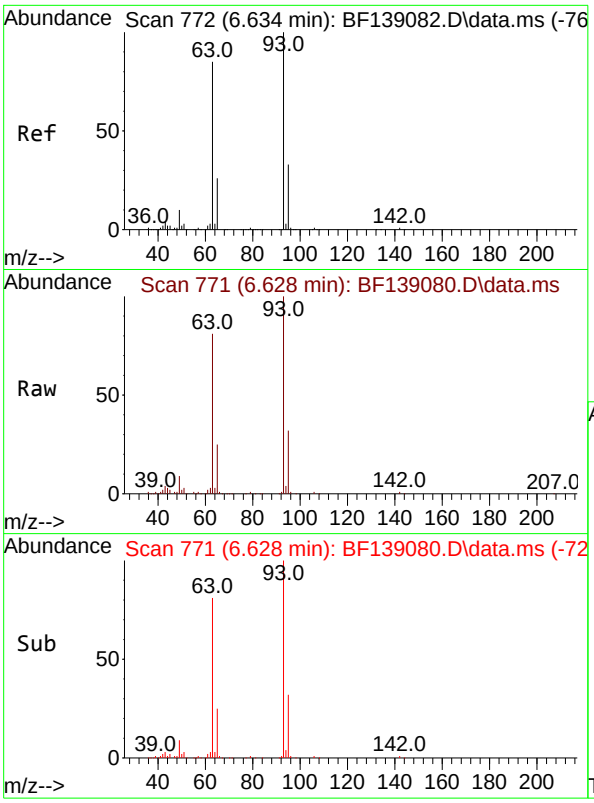


#10
Phenol
Concen: 10.257 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion: 94 Resp: 108342

Ion	Ratio	Lower	Upper
94	100		
65	31.7	13.5	53.5
66	45.7	28.5	68.5



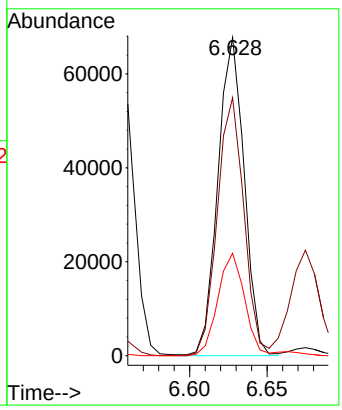


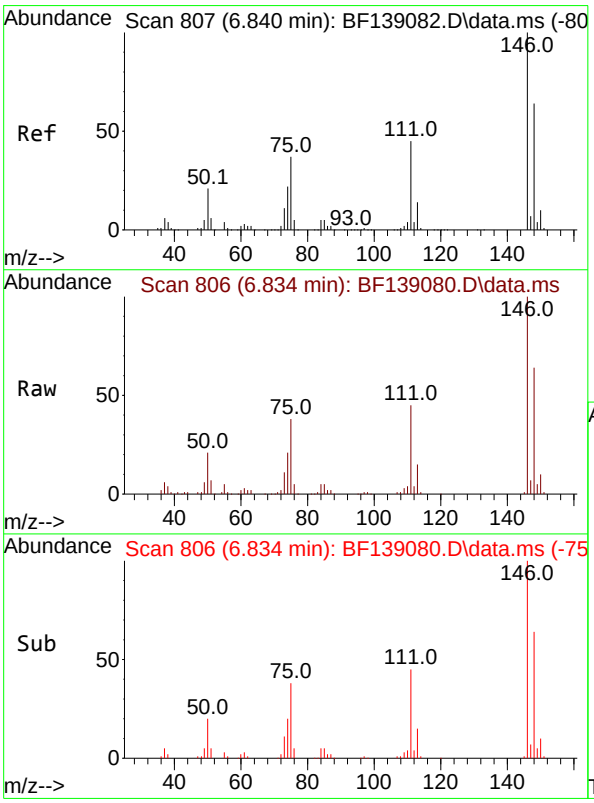
#11
bis(2-Chloroethyl)ether
Concen: 9.450 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 79970

Ion	Ratio	Lower	Upper
93	100		
63	81.1	62.7	102.7
95	32.2	11.9	51.9

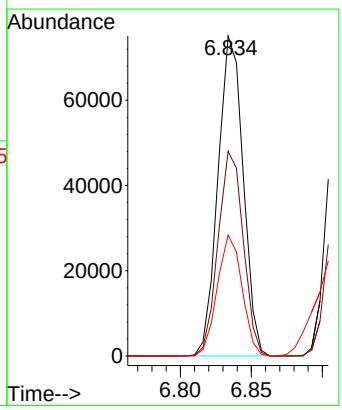


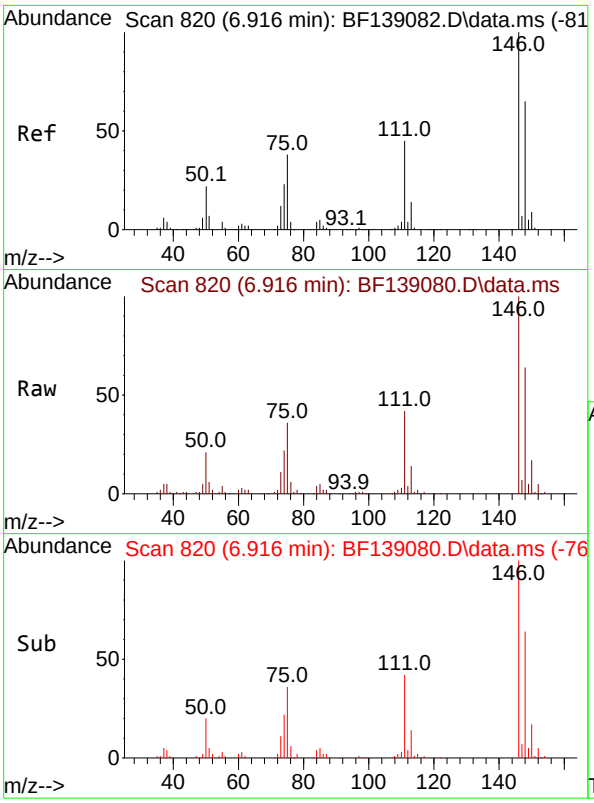


#12
1,3-Dichlorobenzene
Concen: 10.197 ng
RT: 6.834 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:146 Resp: 92646

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.2	76.8
75	37.8	29.9	44.9



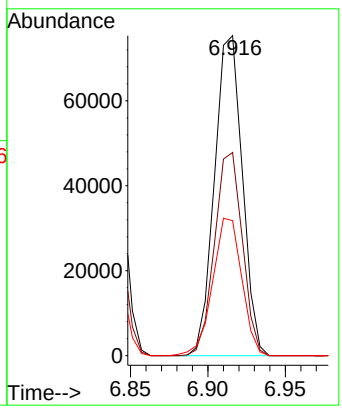


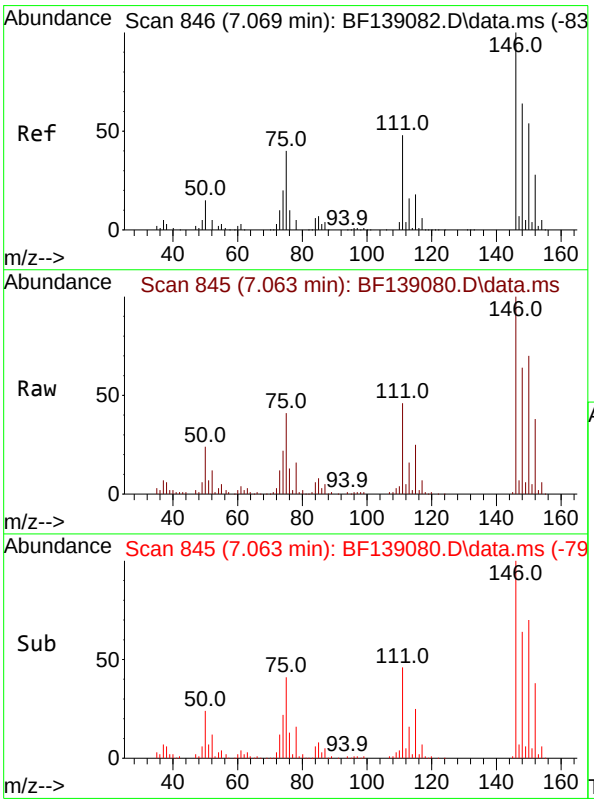
#13
1,4-Dichlorobenzene
Concen: 10.380 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 94298

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.9	77.9
111	42.2	35.8	53.6

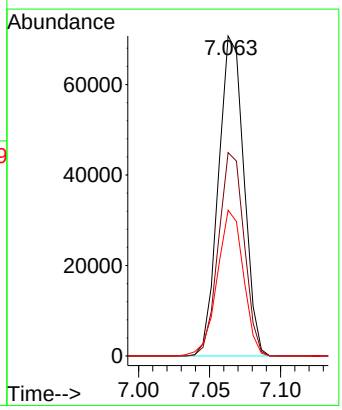


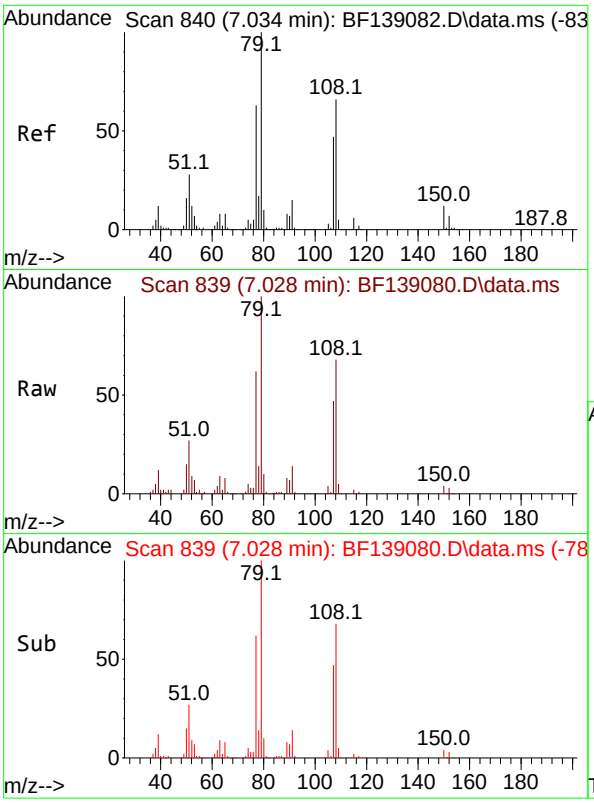


#14
1,2-Dichlorobenzene
Concen: 10.620 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:146 Resp: 88171

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.2
111	45.6	38.1	57.1



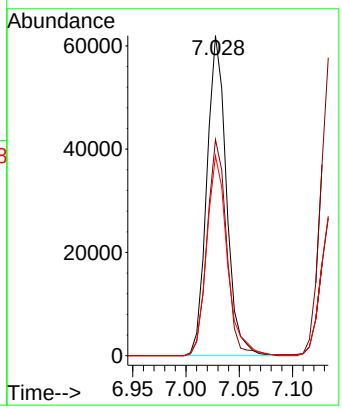


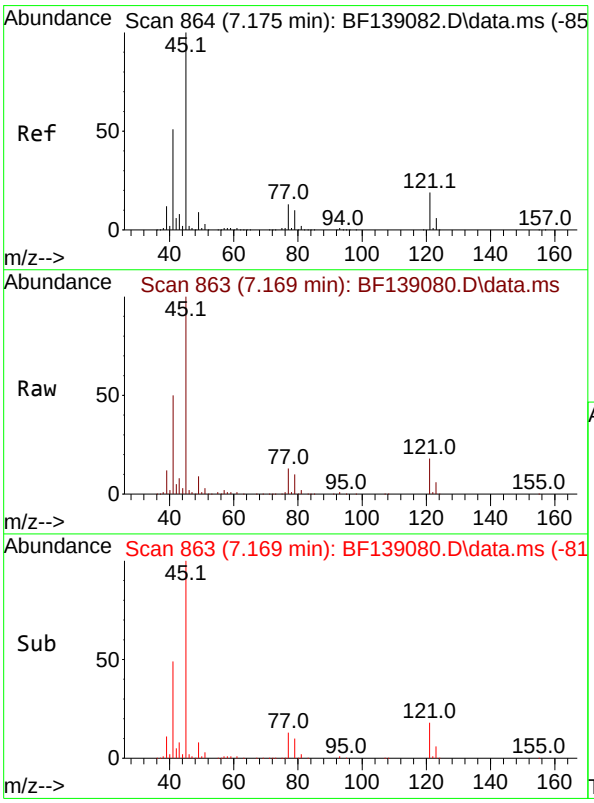
#15
Benzyl Alcohol
Concen: 9.887 ng
RT: 7.028 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 79329

Ion	Ratio	Lower	Upper
79	100		
108	67.6	52.8	79.2
77	62.4	50.6	76.0

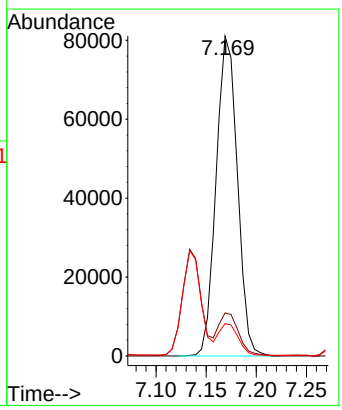


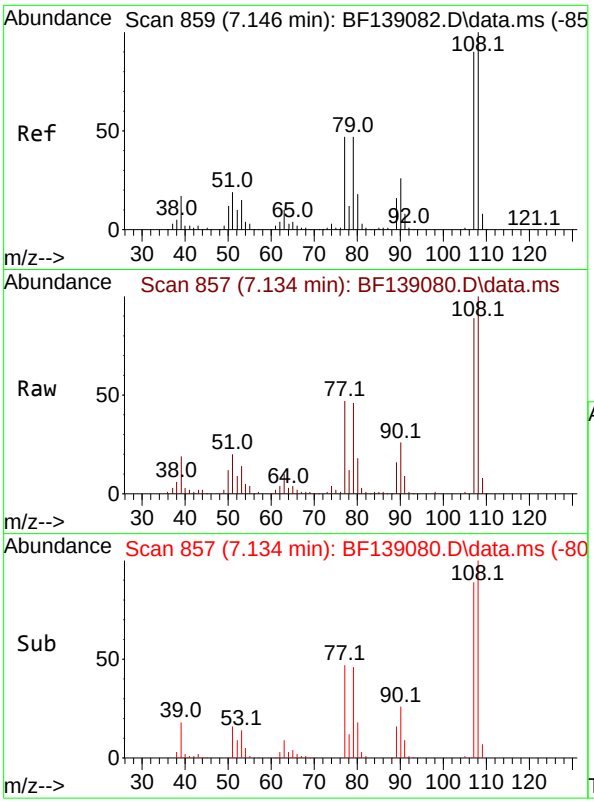


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.977 ng
RT: 7.169 min Scan# 863
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion: 45 Resp: 119381

Ion	Ratio	Lower	Upper
45	100		
77	13.5	0.0	33.7
79	10.1	0.0	30.4



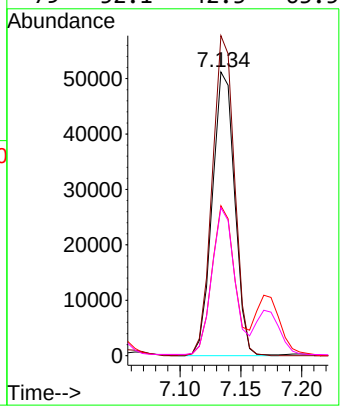


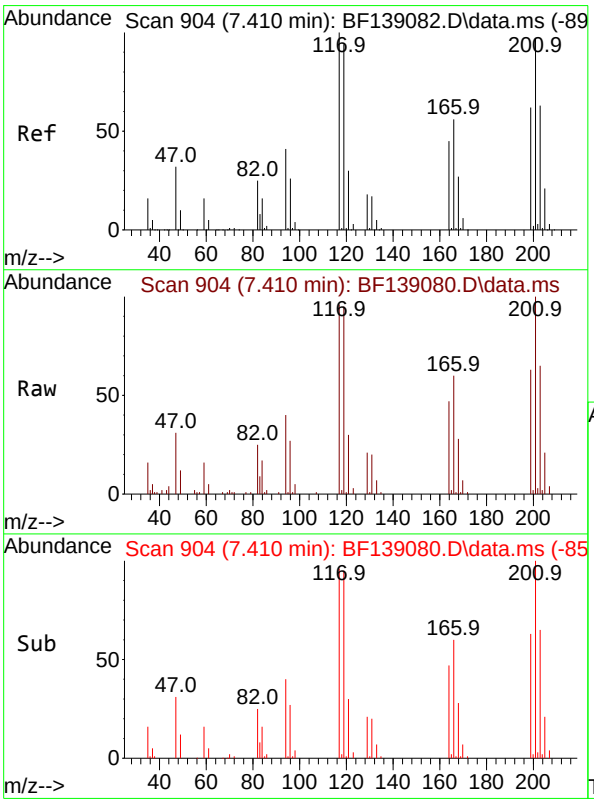
#17
2-Methylphenol
Concen: 10.154 ng
RT: 7.134 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 65643

Ion	Ratio	Lower	Upper
107	100		
108	112.8	89.1	133.7
77	52.8	42.1	63.1
79	52.1	42.3	63.5

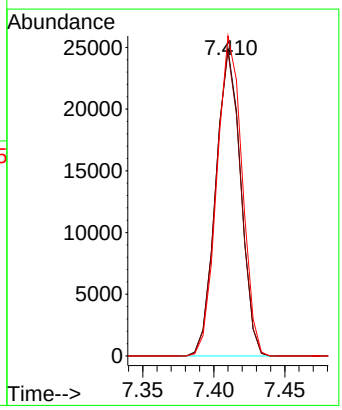


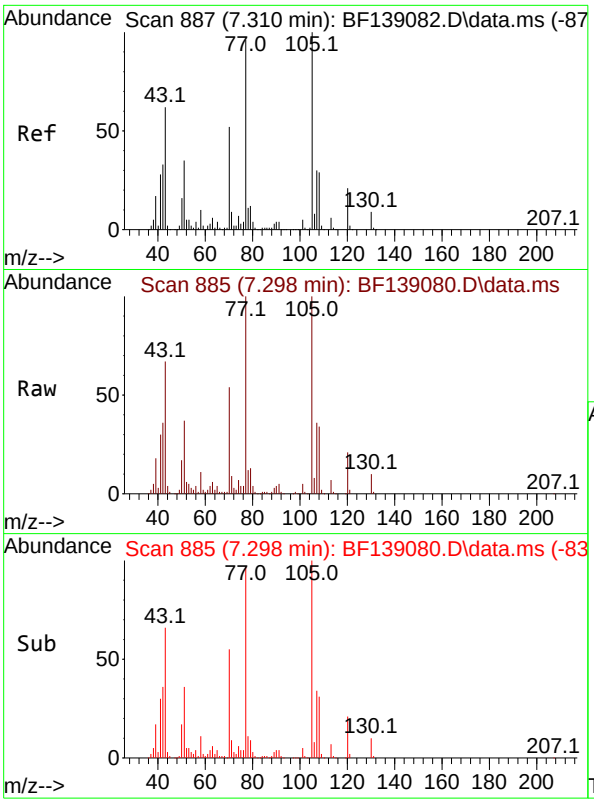


#18
Hexachloroethane
Concen: 9.520 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:117 Resp: 30325

Ion	Ratio	Lower	Upper
117	100		
119	99.1	75.5	113.3
201	104.1	77.8	116.8



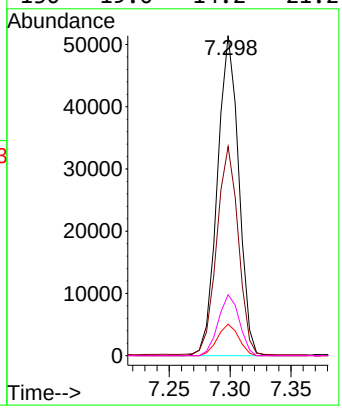


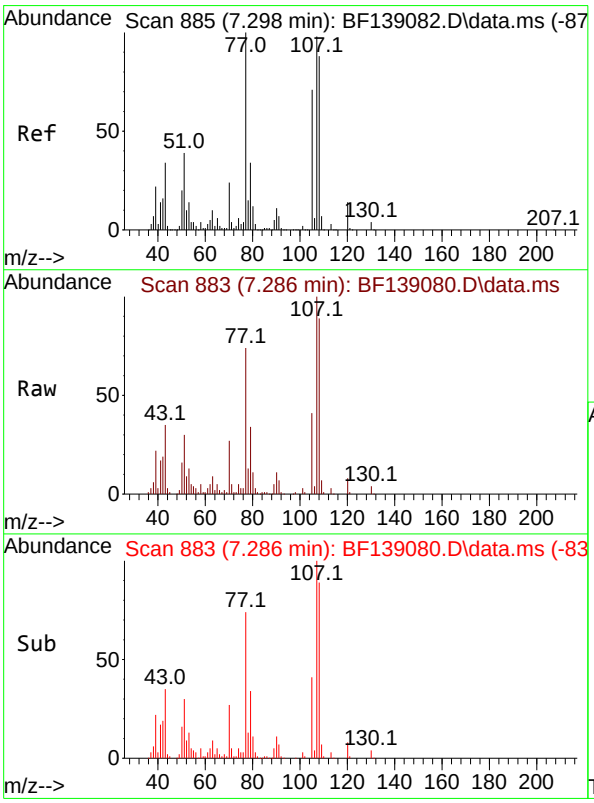
#19
n-Nitroso-di-n-propylamine
Concen: 9.415 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 62767

Ion	Ratio	Lower	Upper
70	100		
42	65.4	50.5	75.7
101	9.8	7.2	10.8
130	19.0	14.2	21.2

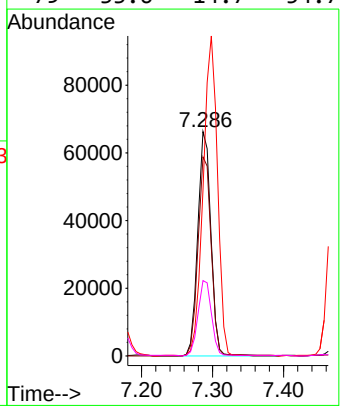


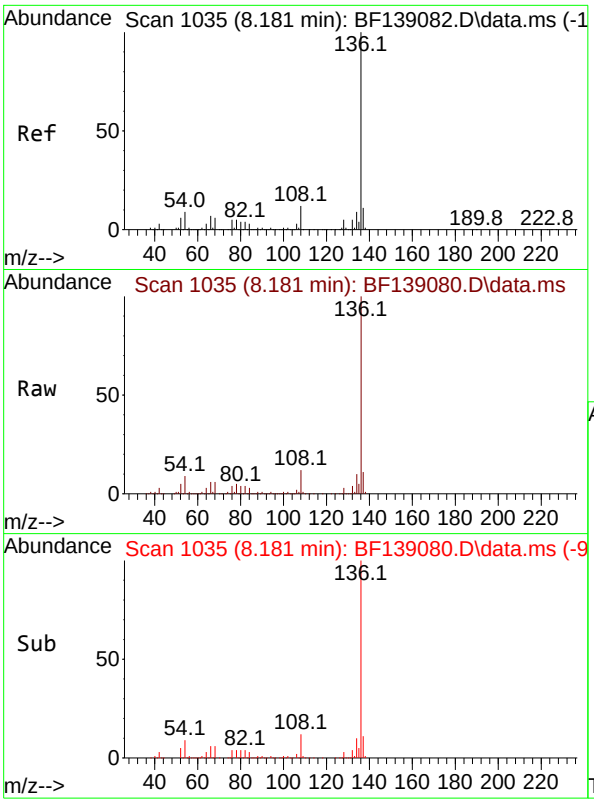


#20
3+4-Methylphenols
Concen: 10.228 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:107 Resp: 85673

Ion	Ratio	Lower	Upper
107	100		
108	88.7	70.2	110.2
77	74.1	82.7	122.7#
79	33.6	14.7	54.7



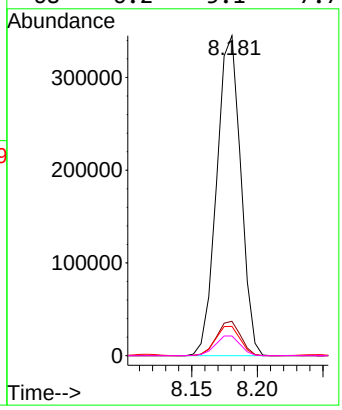


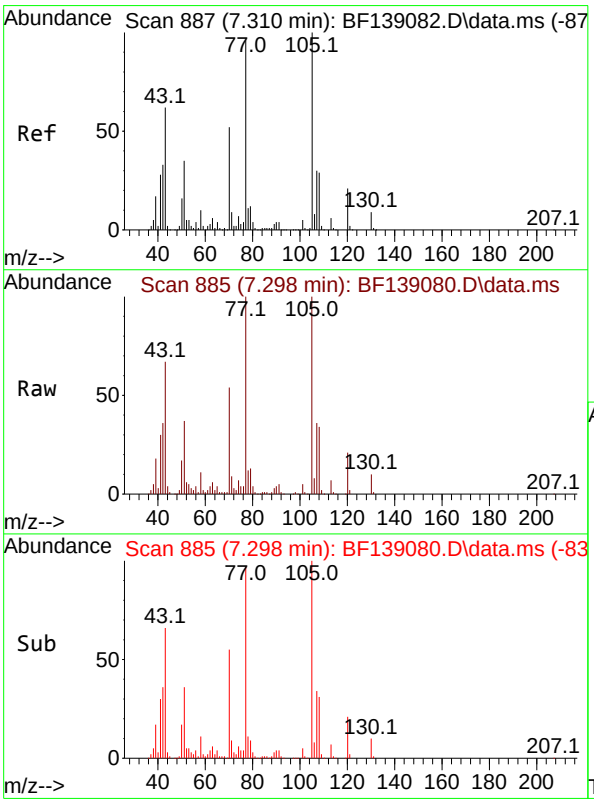
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 439938

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	9.2	7.6	11.4
68	6.2	5.1	7.7

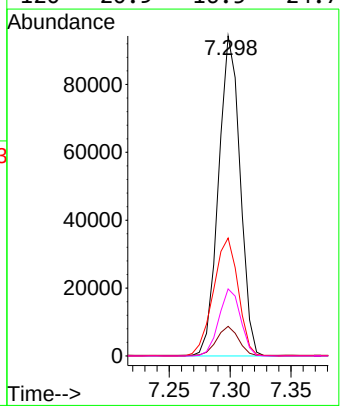


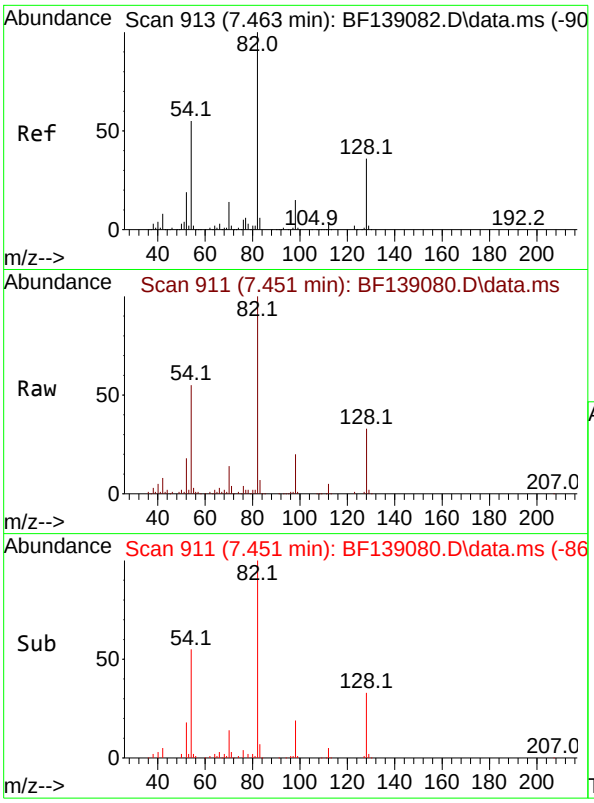


#22
Acetophenone
Concen: 10.352 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:105 Resp: 116284

Ion	Ratio	Lower	Upper
105	100		
71	9.2	7.0	10.6
51	36.9	28.0	42.0
120	20.9	16.5	24.7



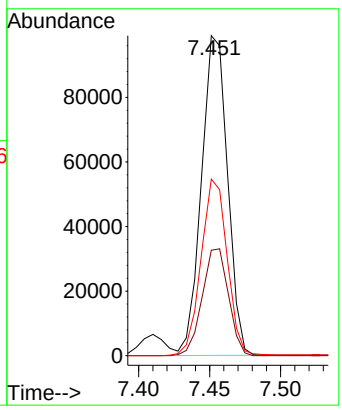


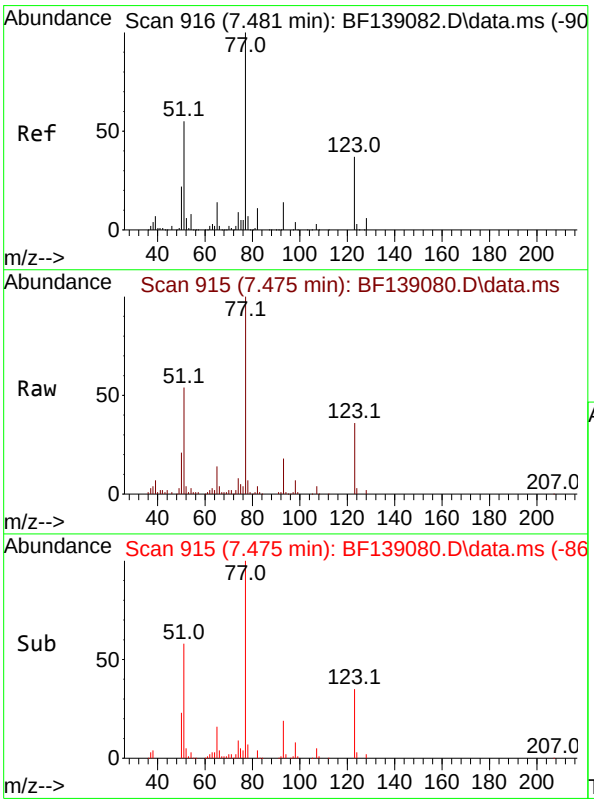
#23
Nitrobenzene-d5
Concen: 16.755 ng
RT: 7.451 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 126500

Ion	Ratio	Lower	Upper
82	100		
128	33.0	29.0	43.4
54	55.2	43.4	65.2

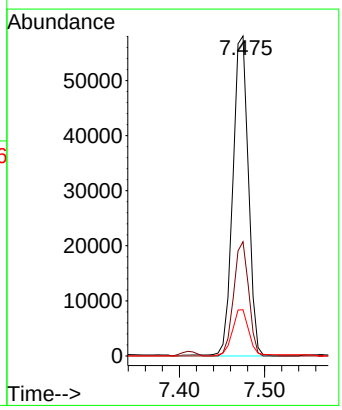


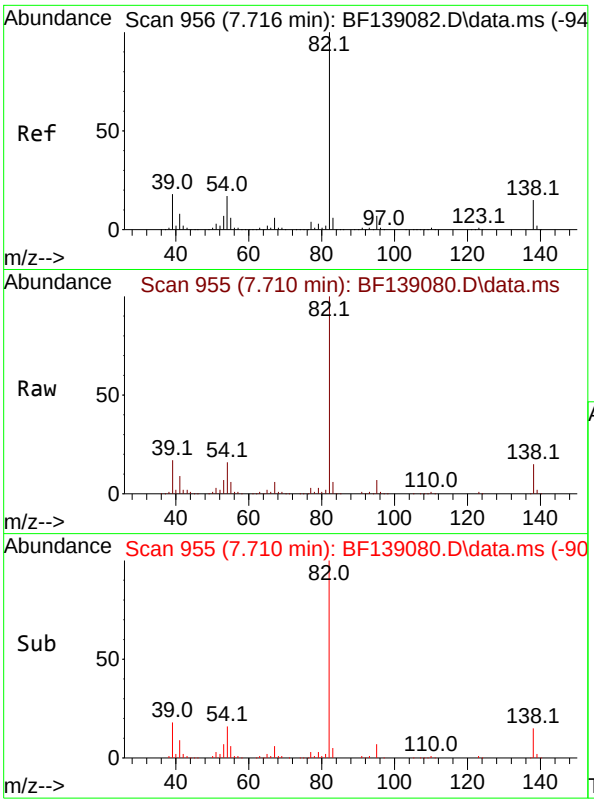


#24
Nitrobenzene
Concen: 8.774 ng
RT: 7.475 min Scan# 915
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion: 77 Resp: 73631

Ion	Ratio	Lower	Upper
77	100		
123	35.7	30.3	45.5
65	14.4	11.3	16.9



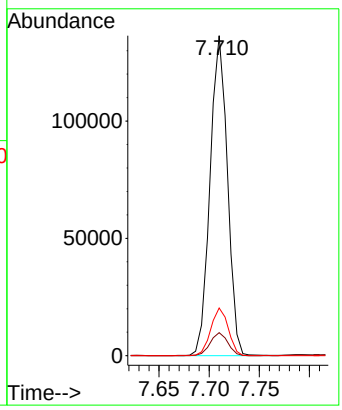


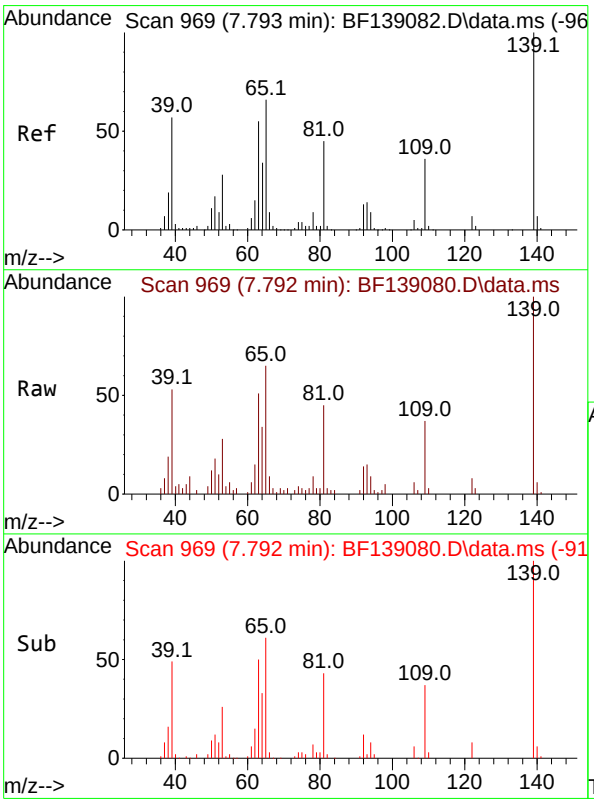
#25
Isophorone
Concen: 10.258 ng
RT: 7.710 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 164616

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.9	8.9
138	14.9	11.8	17.8

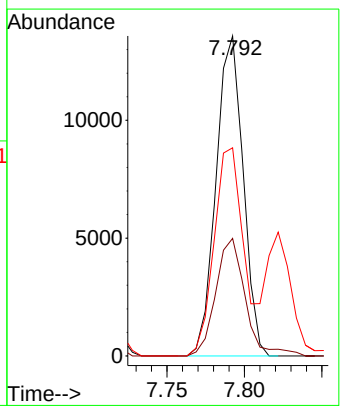


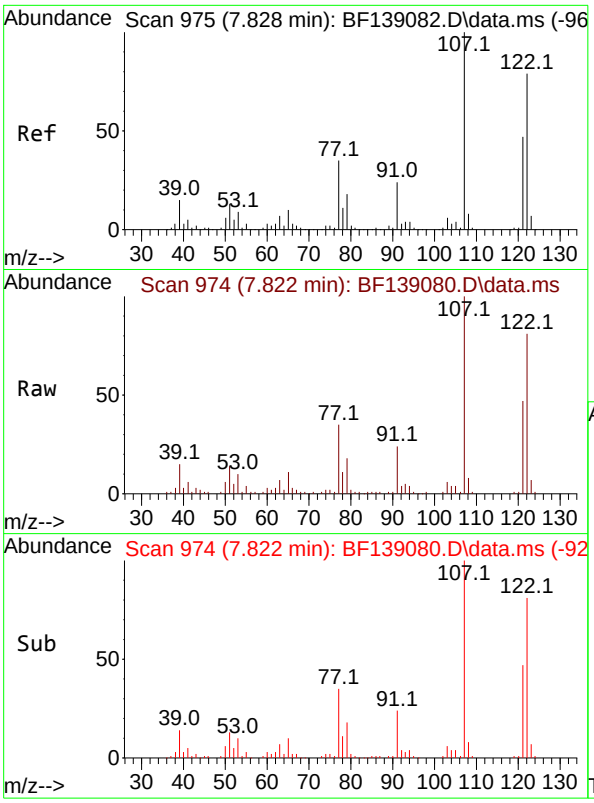


#26
2-Nitrophenol
Concen: 10.580 ng
RT: 7.792 min Scan# 969
Delta R.T. -0.001 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:139 Resp: 16519

Ion	Ratio	Lower	Upper
139	100		
109	36.8	29.2	43.8
65	65.1	52.7	79.1



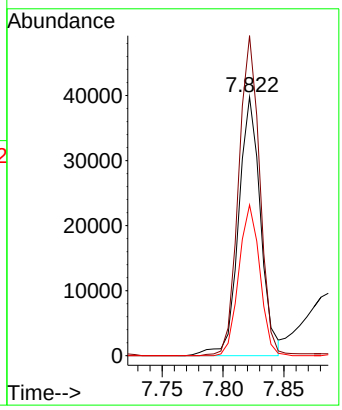


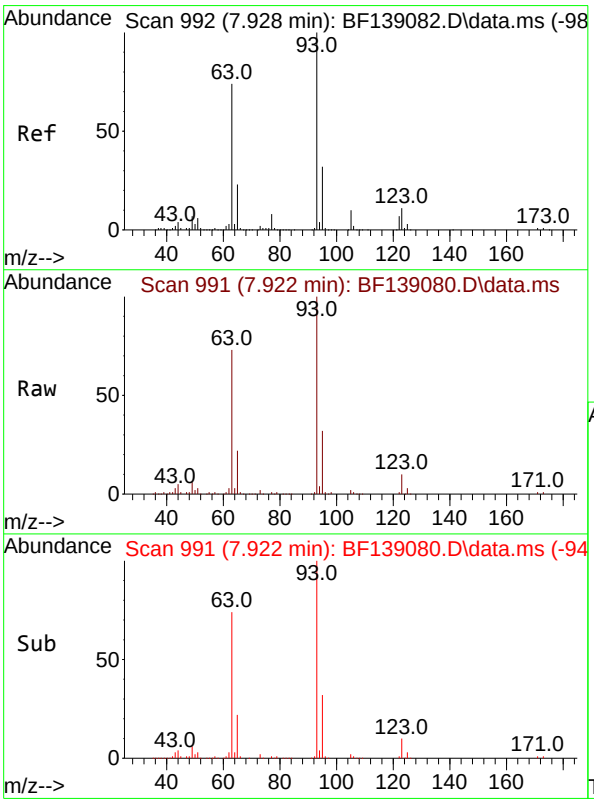
#27
2,4-Dimethylphenol
Concen: 9.796 ng
RT: 7.822 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 49848

Ion	Ratio	Lower	Upper
122	100		
107	123.7	101.1	151.7
121	58.3	47.5	71.3

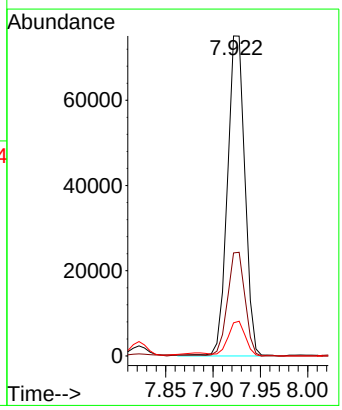


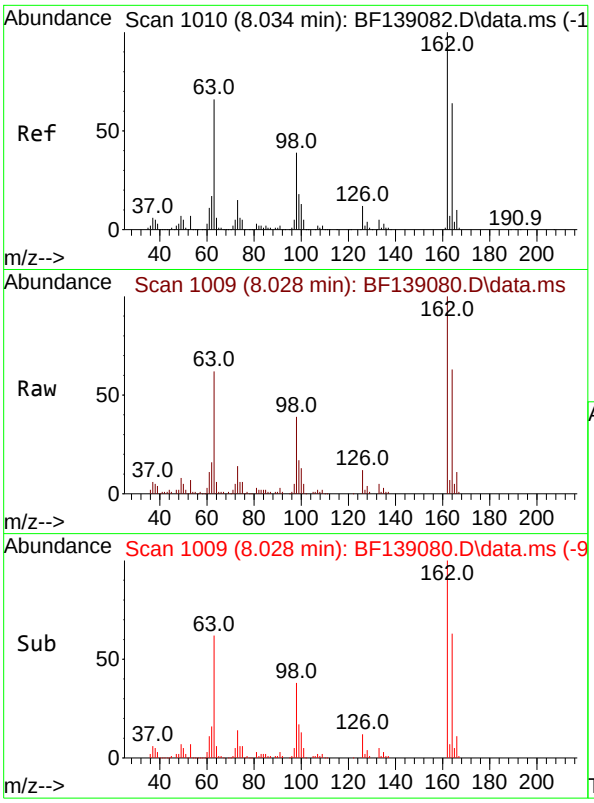


#28
bis(2-Chloroethoxy)methane
Concen: 10.272 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion: 93 Resp: 96318

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.8
123	10.3	8.9	13.3



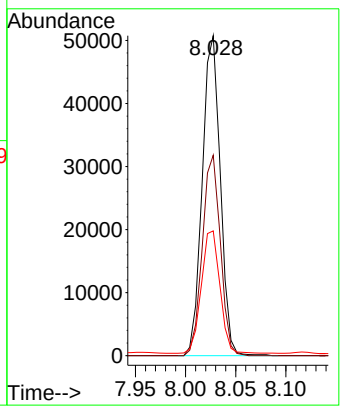


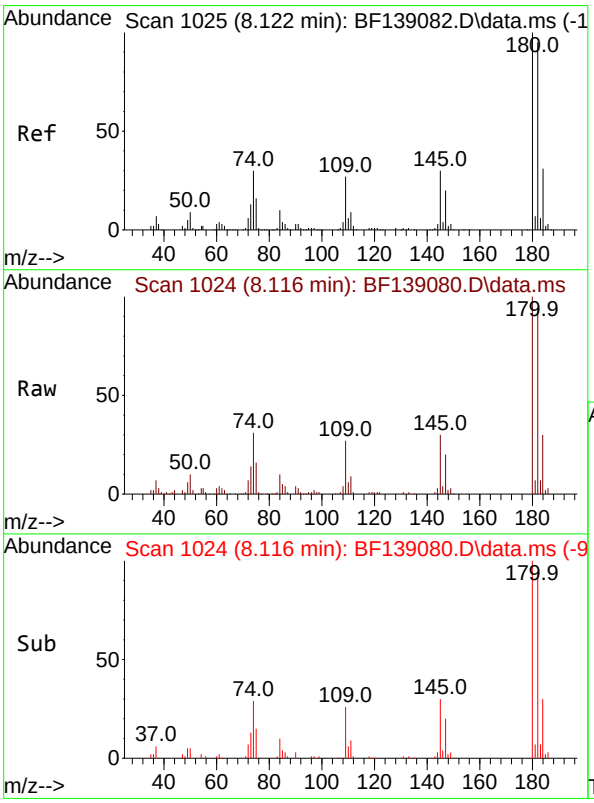
#29
2,4-Dichlorophenol
Concen: 10.053 ng
RT: 8.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 63731

Ion	Ratio	Lower	Upper
162	100		
164	62.7	43.9	83.9
98	39.0	19.7	59.7

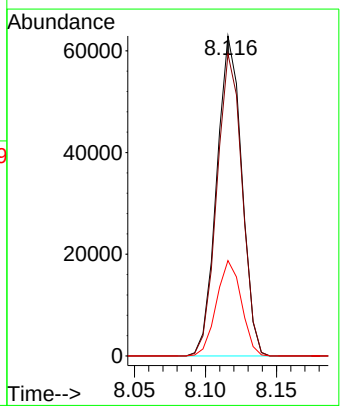


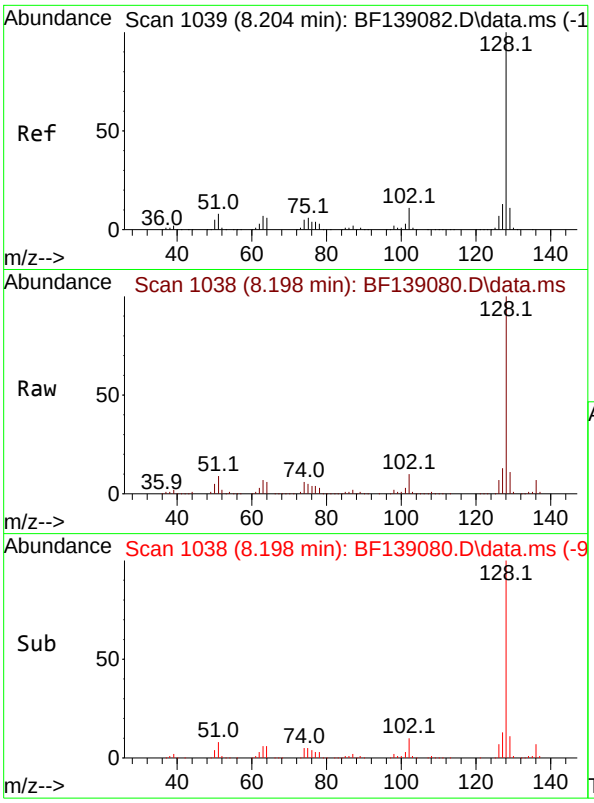


#30
1,2,4-Trichlorobenzene
Concen: 10.365 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:180 Resp: 76944

Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.1	114.1
145	29.8	23.9	35.9



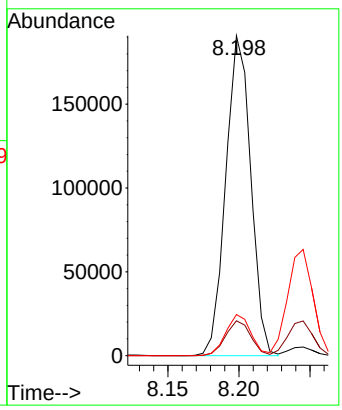


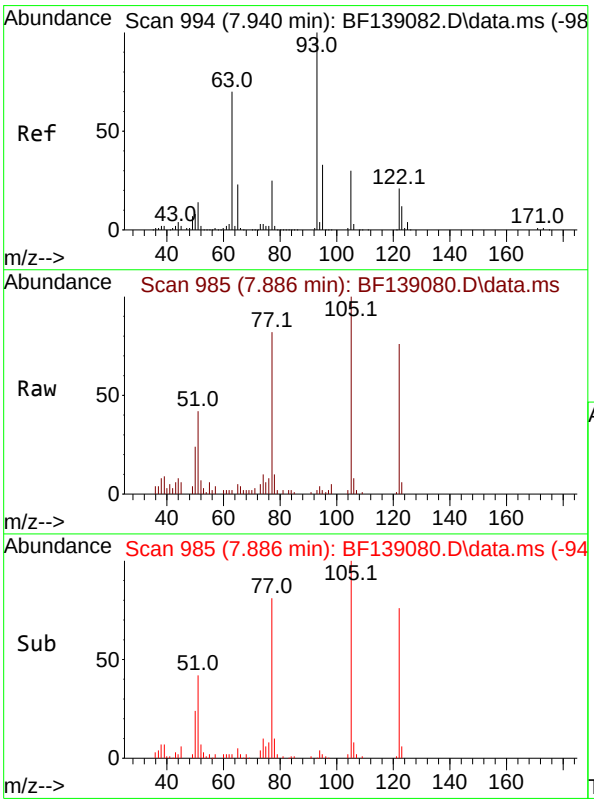
#31
Naphthalene
Concen: 10.479 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 233610

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	12.8	10.7	16.1

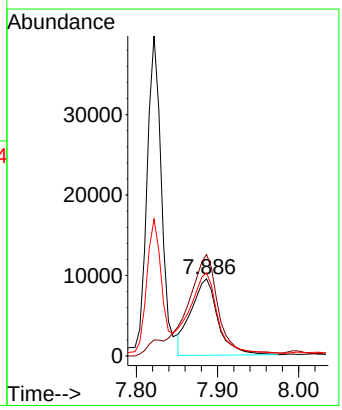


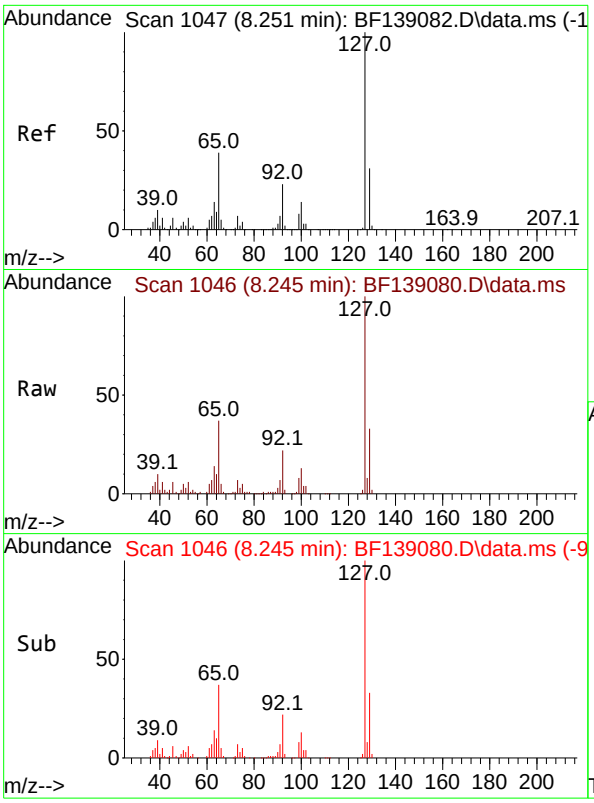


#32
Benzoic acid
Concen: 12.912 ng
RT: 7.886 min Scan# 985
Delta R.T. -0.054 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:122 Resp: 21916

Ion	Ratio	Lower	Upper
122	100		
105	131.5	119.6	159.6
77	107.9	97.6	137.6



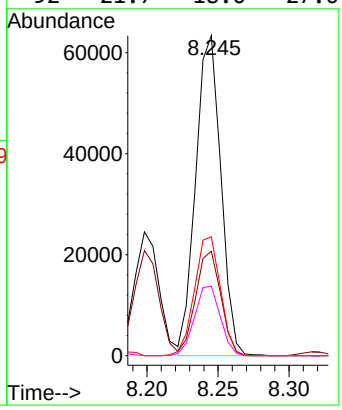


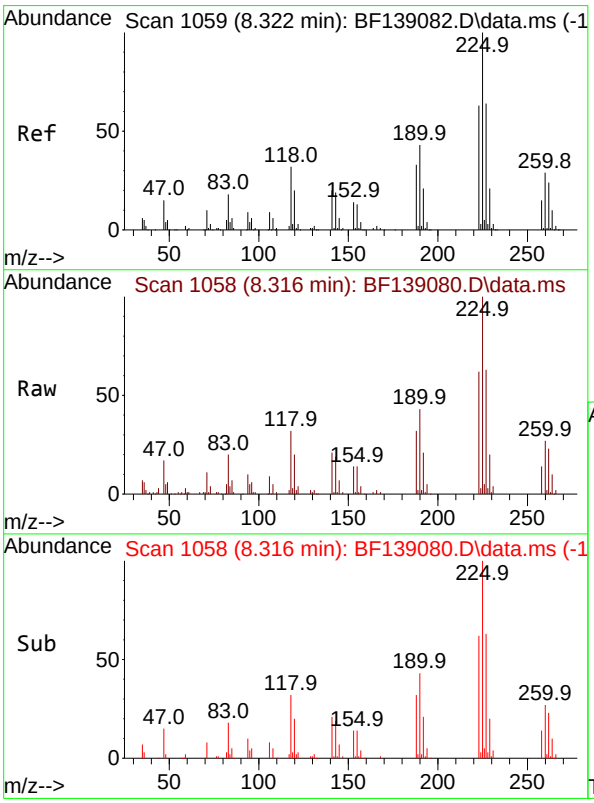
#33
4-Chloroaniline
Concen: 10.229 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 78102

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.0	39.0
65	37.2	30.3	45.5
92	21.7	18.0	27.0

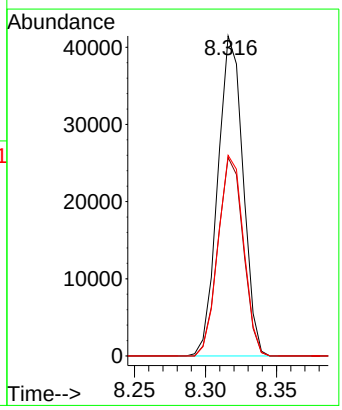


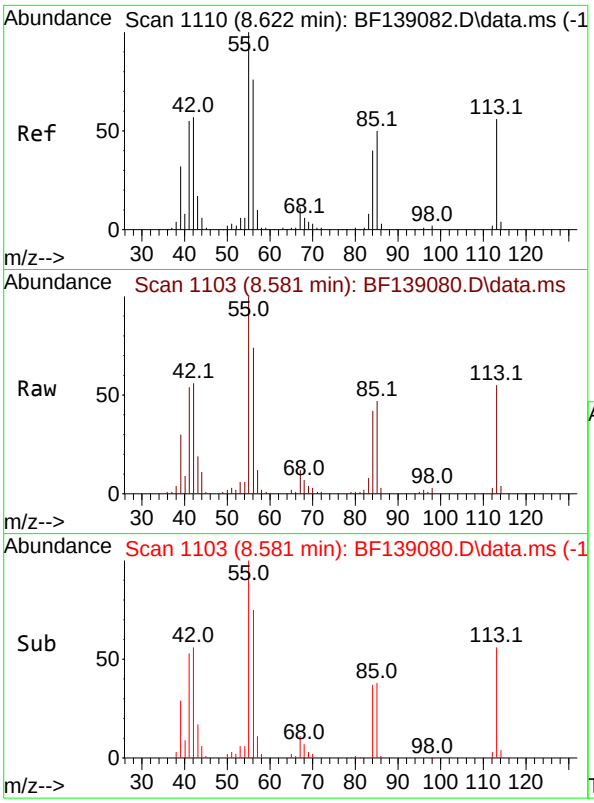


#34
Hexachlorobutadiene
Concen: 10.561 ng
RT: 8.316 min Scan# 1058
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:225 Resp: 51211

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.0	75.0
227	62.7	51.4	77.2



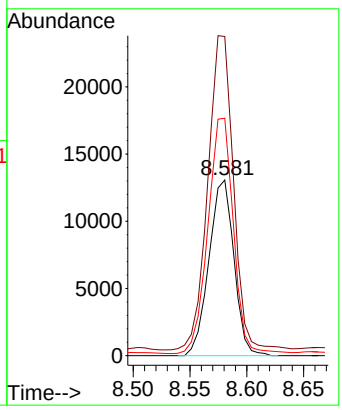


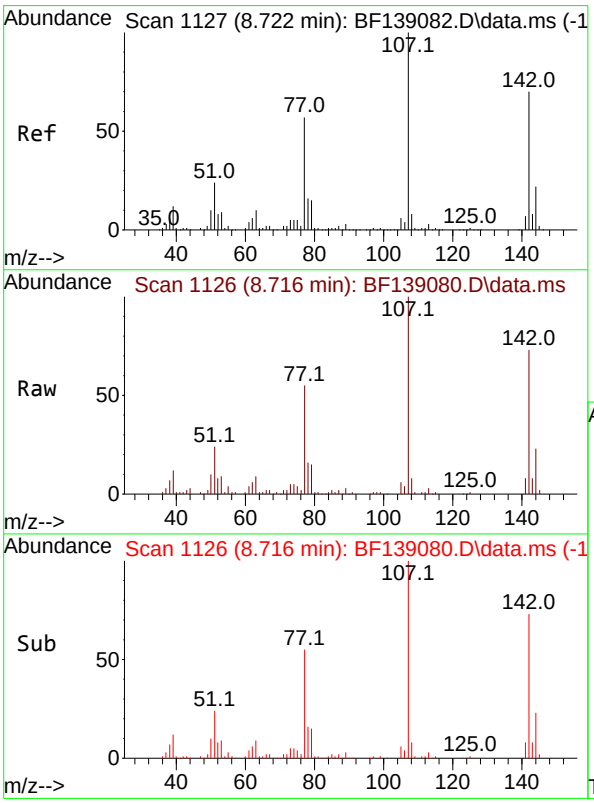
#35
Caprolactam
Concen: 9.949 ng
RT: 8.581 min Scan# 11
Delta R.T. -0.041 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 19994

Ion	Ratio	Lower	Upper
113	100		
55	181.7	158.6	198.6
56	135.2	115.9	155.9

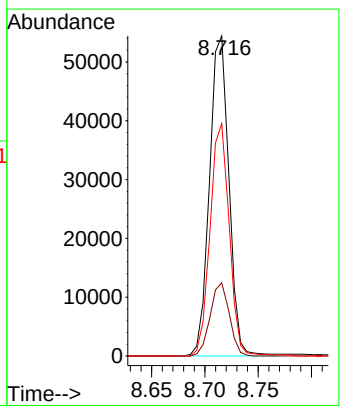


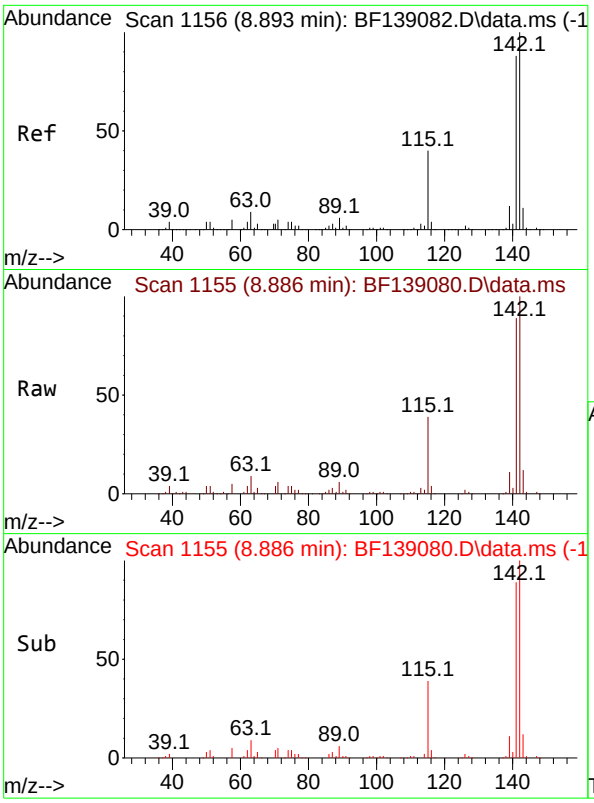


#36
4-Chloro-3-methylphenol
Concen: 9.835 ng
RT: 8.716 min Scan# 1126
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:107 Resp: 69035

Ion	Ratio	Lower	Upper
107	100		
144	22.9	17.7	26.5
142	72.6	55.6	83.4



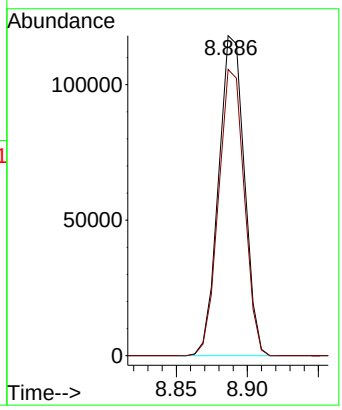


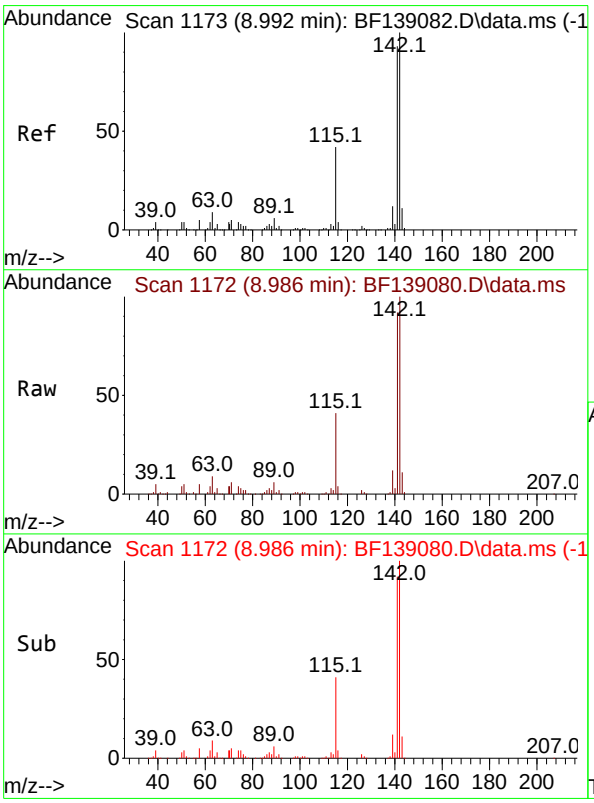
#37
2-Methylnaphthalene
Concen: 10.430 ng
RT: 8.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 149152

Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.6	105.8

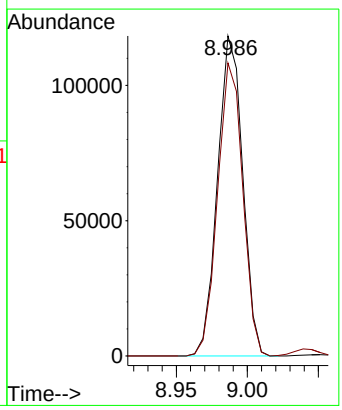


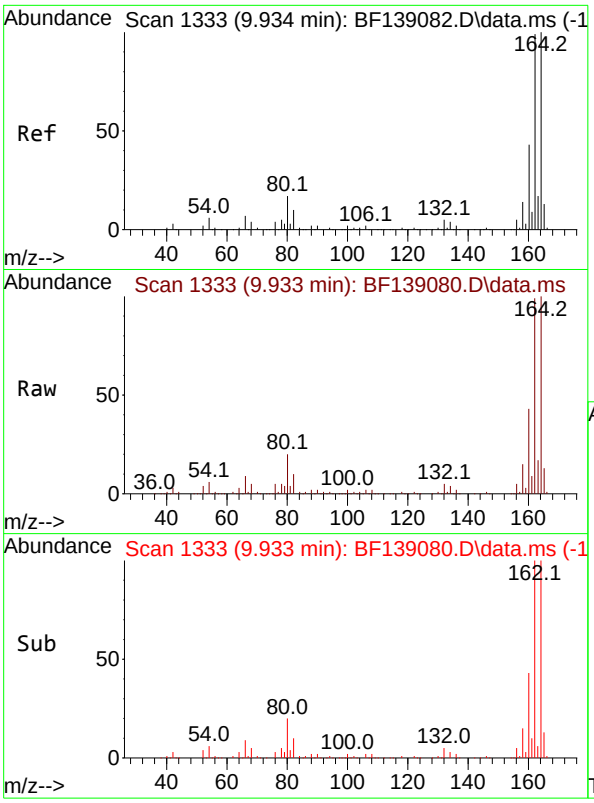


#38
1-Methylnaphthalene
Concen: 10.549 ng
RT: 8.986 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:142 Resp: 145582

Ion	Ratio	Lower	Upper
142	100		
141	91.5	74.1	111.1



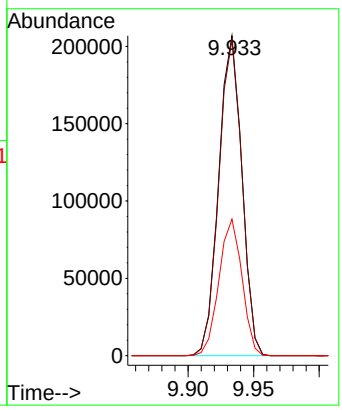


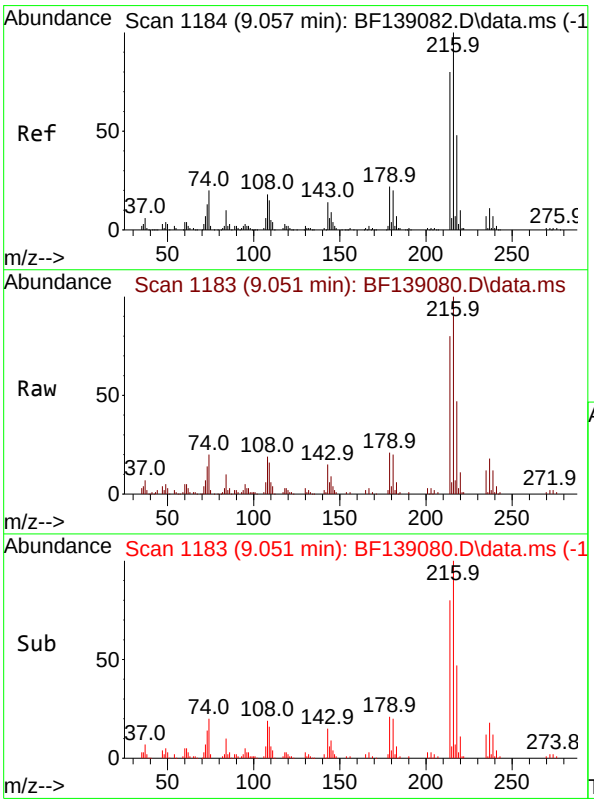
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 254047

Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.5	119.3
160	42.7	34.5	51.7

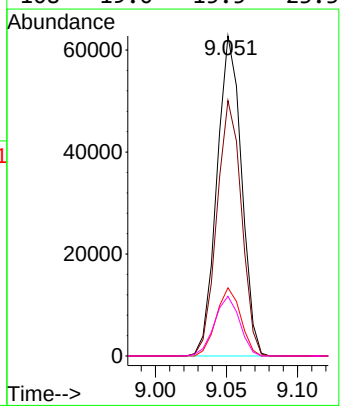


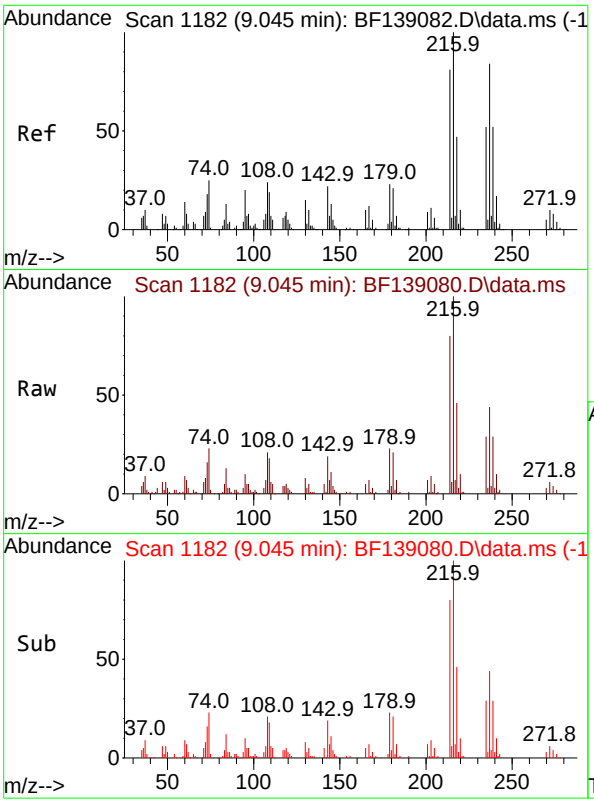


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.585 ng
RT: 9.051 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:216 Resp: 75584

Ion	Ratio	Lower	Upper
216	100		
214	79.6	64.2	96.2
179	21.1	17.4	26.2
108	19.0	15.5	23.3



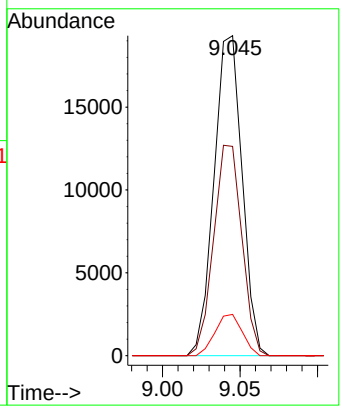


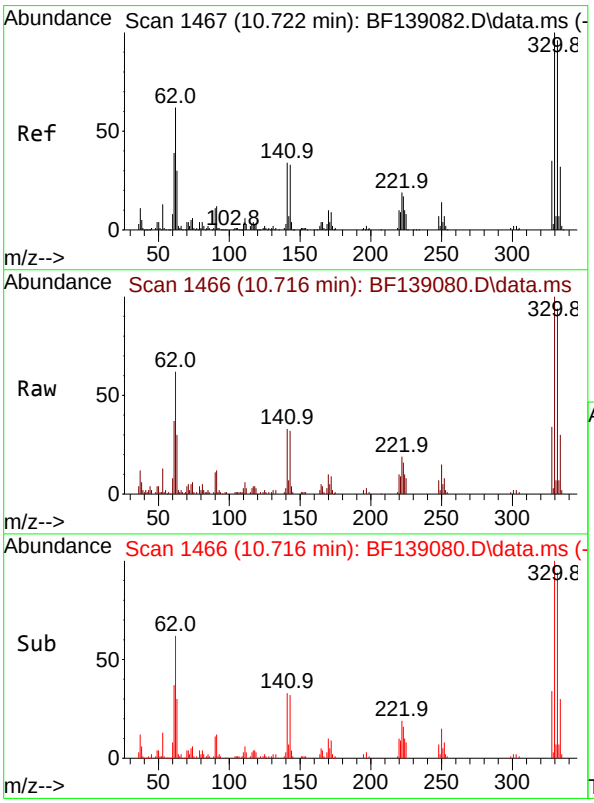
#41
Hexachlorocyclopentadiene
Concen: 9.109 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 24349

Ion	Ratio	Lower	Upper
237	100		
235	65.4	42.5	82.5
272	12.9	0.0	32.0

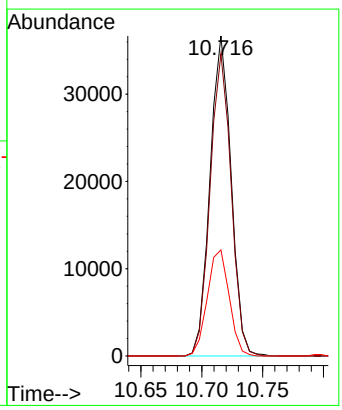


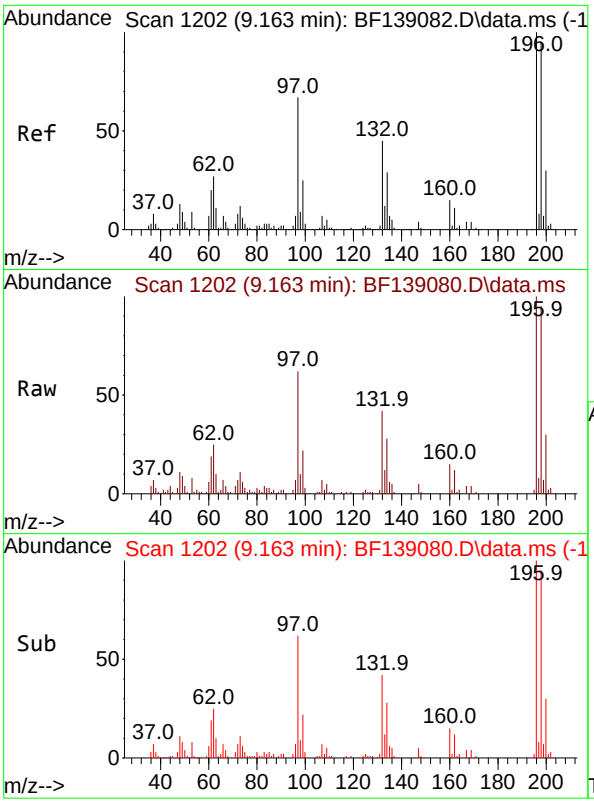


#42
2,4,6-Tribromophenol
Concen: 19.227 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:330 Resp: 44220

Ion	Ratio	Lower	Upper
330	100		
332	94.0	77.0	115.6
141	34.3	27.5	41.3



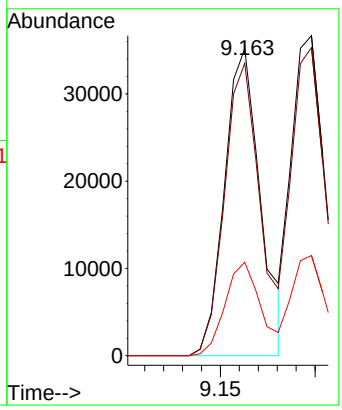


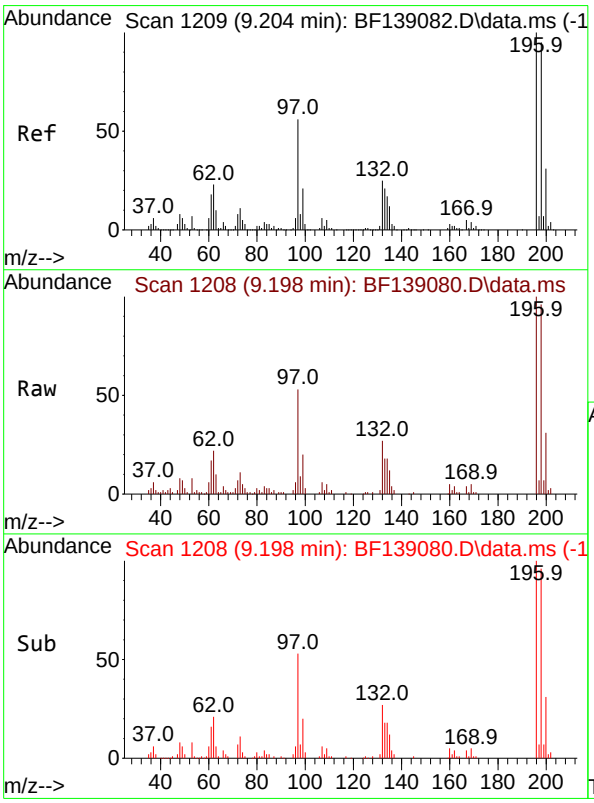
#43
2,4,6-Trichlorophenol
Concen: 9.846 ng
RT: 9.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 46215

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.4	114.6
200	30.4	23.8	35.8

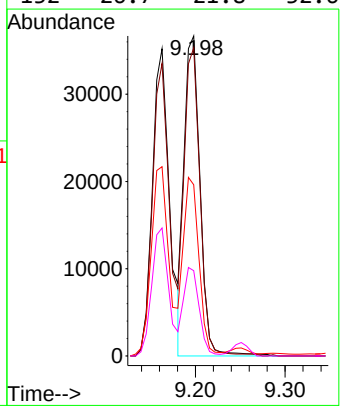


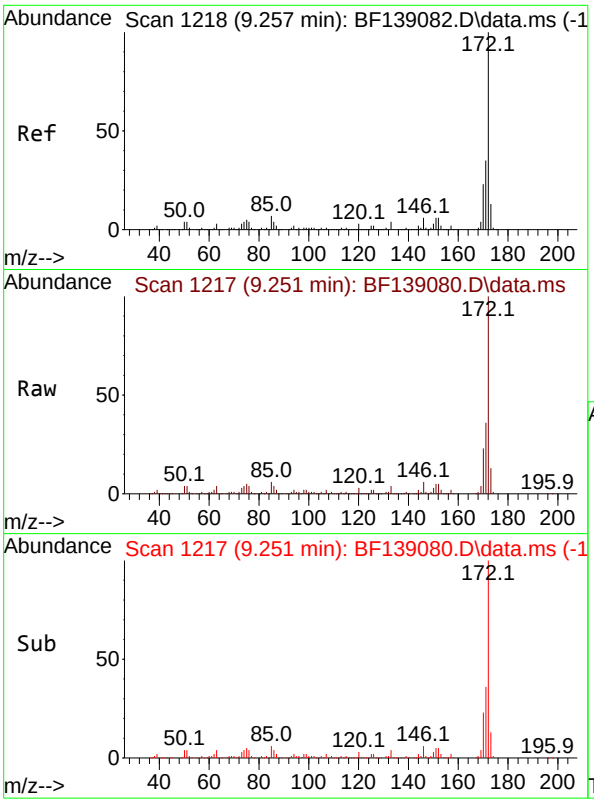


#44
2,4,5-Trichlorophenol
Concen: 9.472 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:196 Resp: 45634

Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.6	114.8
97	53.5	44.6	67.0
132	26.7	21.8	32.6



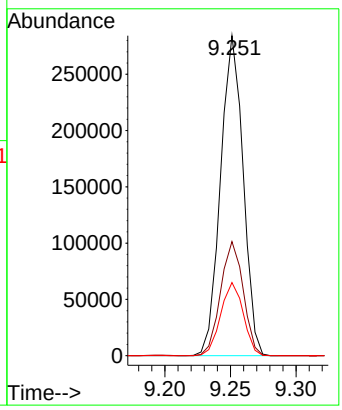


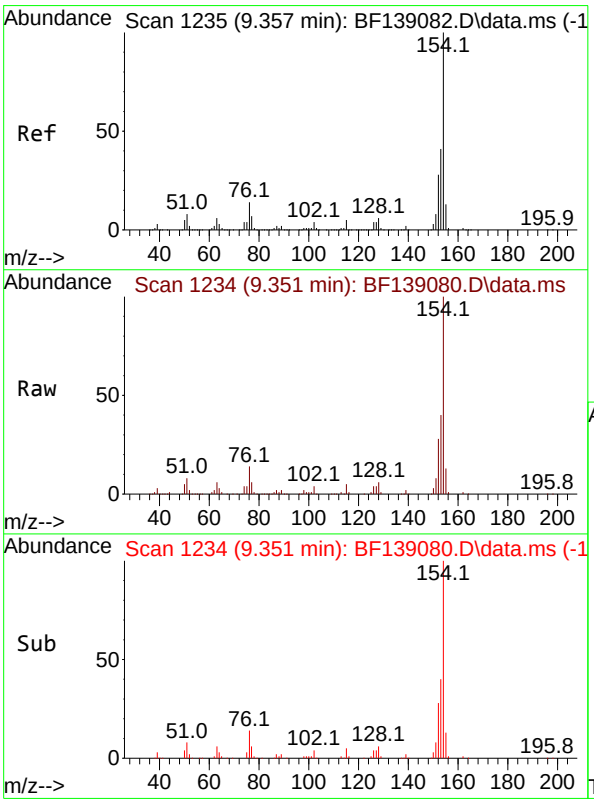
#45
2-Fluorobiphenyl
Concen: 21.284 ng
RT: 9.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 340797

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.4	42.6
170	22.8	18.8	28.2

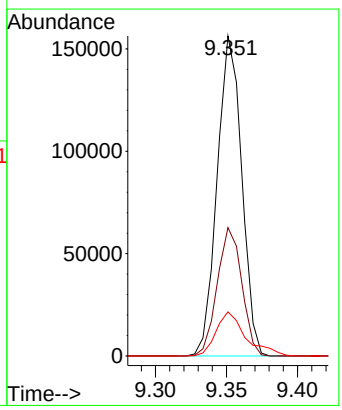


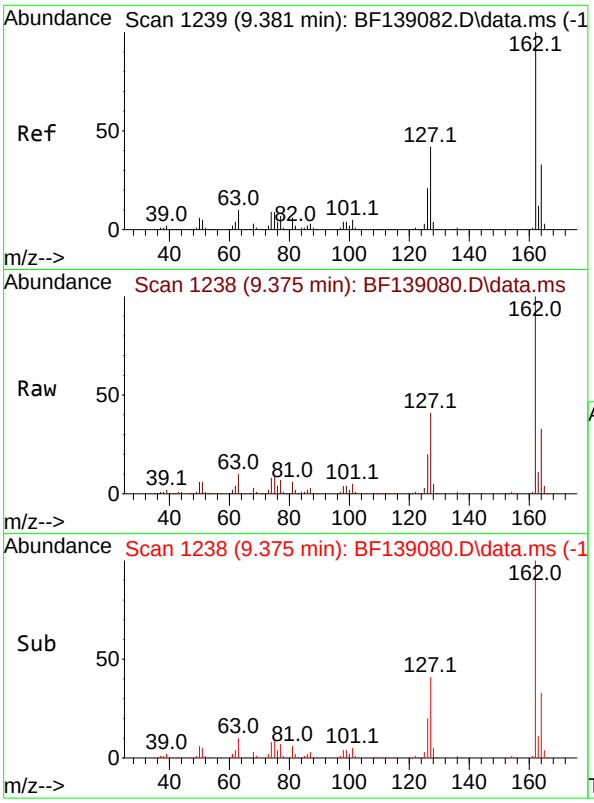


#46
1,1'-Biphenyl
Concen: 10.792 ng
RT: 9.351 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:154 Resp: 187807

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.6	60.6
76	13.8	0.0	33.6



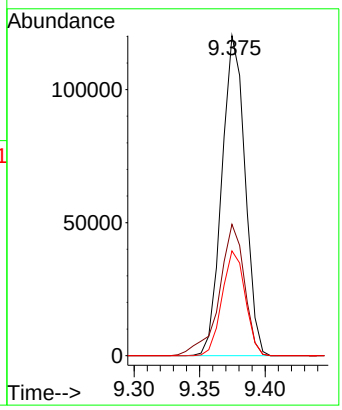


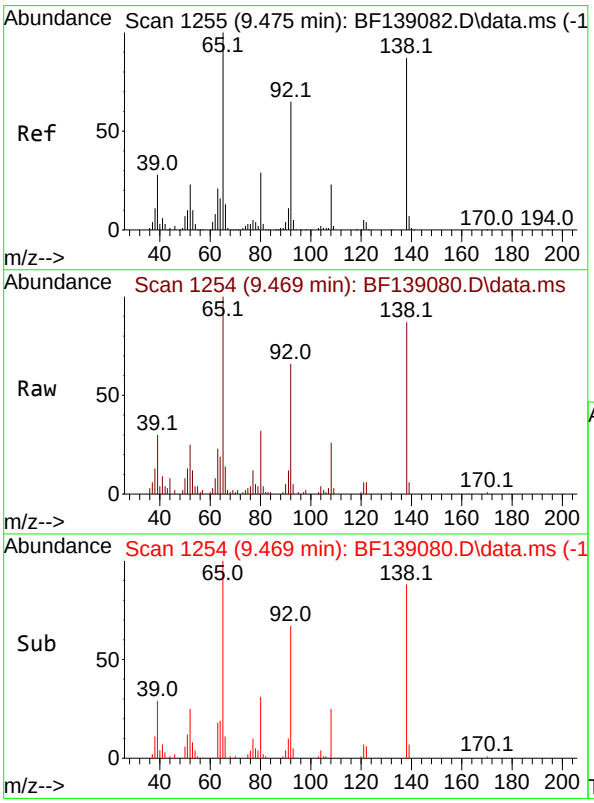
#47
2-Chloronaphthalene
Concen: 10.463 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 147954

Ion	Ratio	Lower	Upper
162	100		
127	41.0	33.8	50.6
164	32.8	26.3	39.5

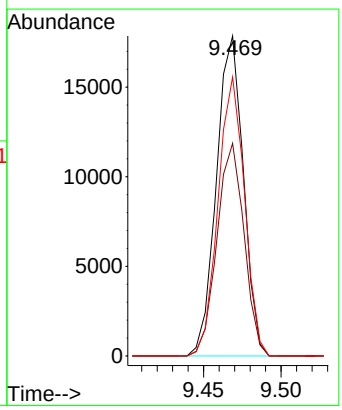


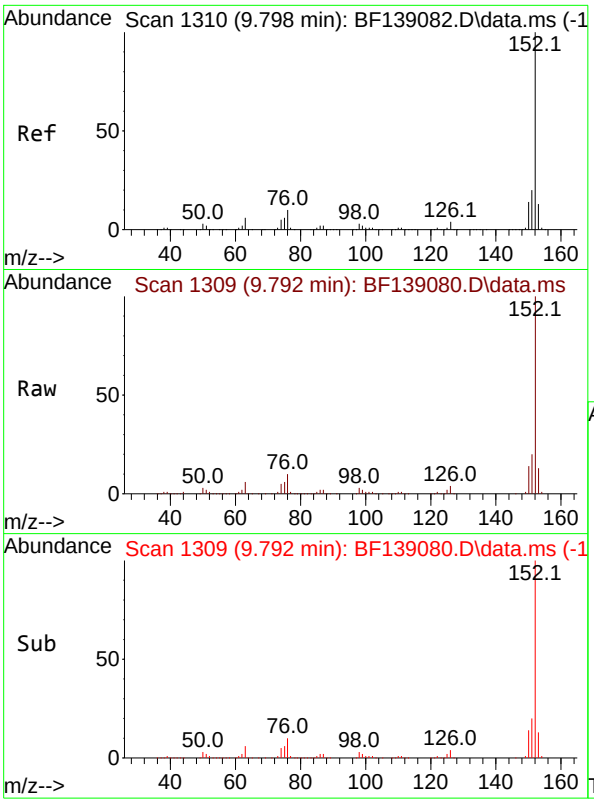


#48
2-Nitroaniline
Concen: 10.352 ng
RT: 9.469 min Scan# 1254
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion: 65 Resp: 21571

Ion	Ratio	Lower	Upper
65	100		
92	66.4	52.4	78.6
138	87.2	69.4	104.0



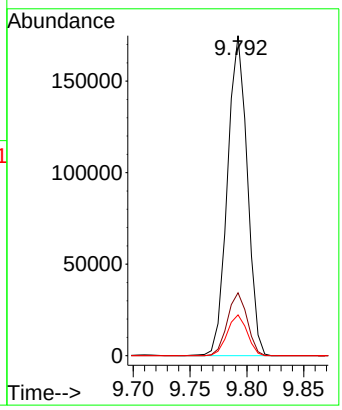


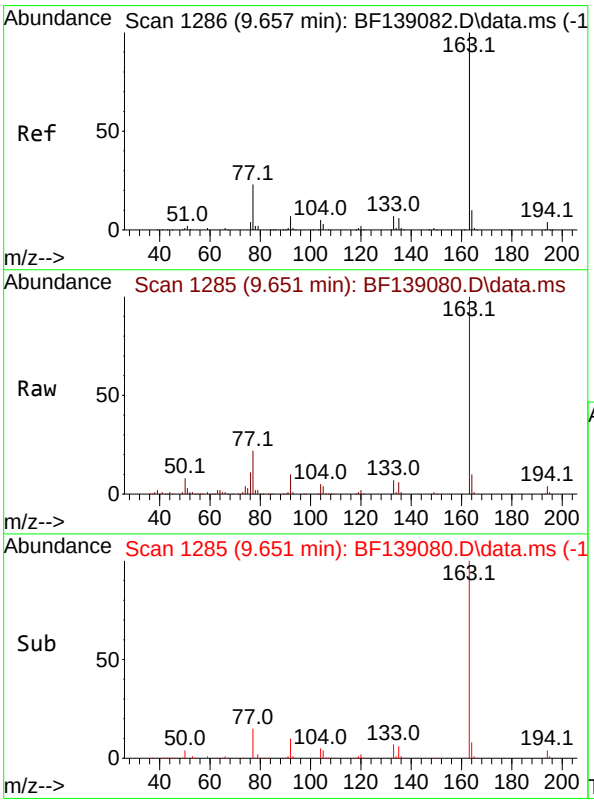
#49
Acenaphthylene
Concen: 10.450 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 211674

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.2
153	12.7	10.6	15.8

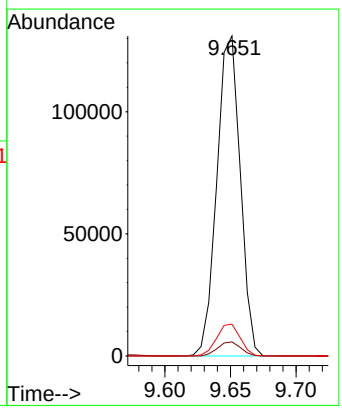


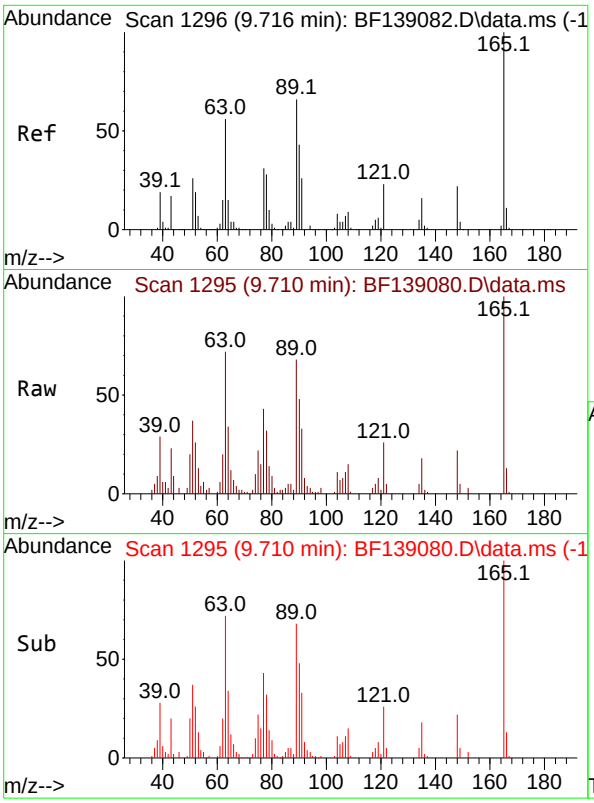


#50
Dimethylphthalate
Concen: 10.372 ng
RT: 9.651 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:163 Resp: 162672

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.3	4.9
164	9.9	8.2	12.2



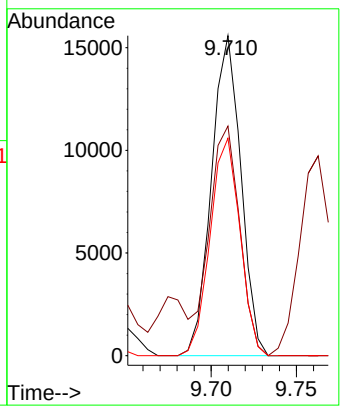


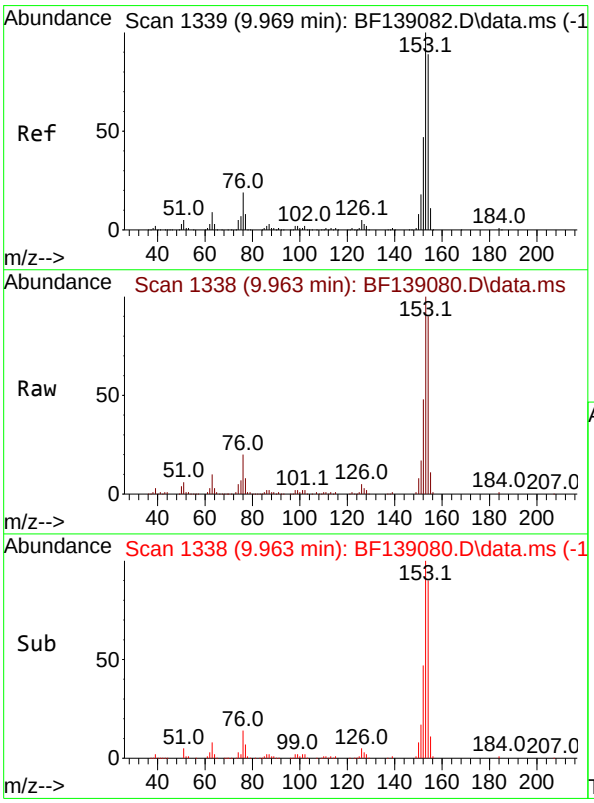
#51
2,6-Dinitrotoluene
Concen: 9.911 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 18731

Ion	Ratio	Lower	Upper
165	100		
63	71.8	58.0	87.0
89	67.9	53.3	79.9

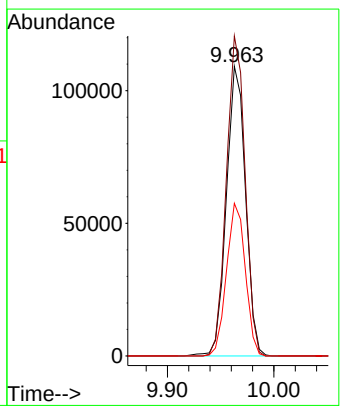


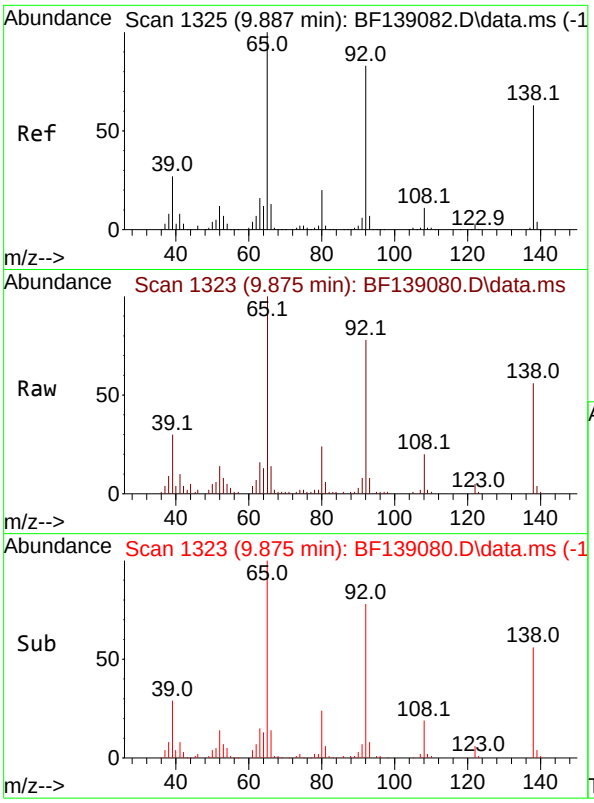


#52
Acenaphthene
Concen: 10.211 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:154 Resp: 136622

Ion	Ratio	Lower	Upper
154	100		
153	110.5	89.7	134.5
152	52.7	42.3	63.5



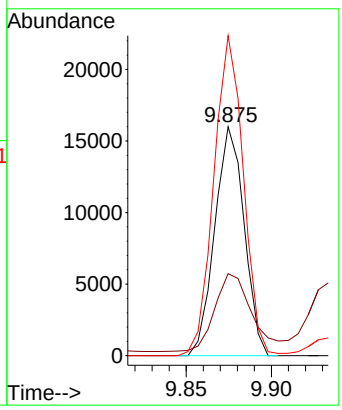


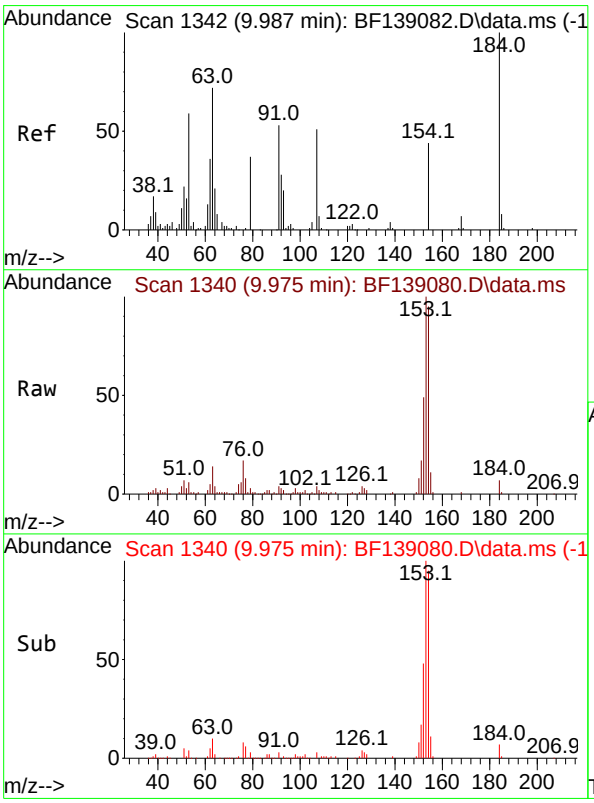
#53
3-Nitroaniline
Concen: 9.666 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 19146

Ion	Ratio	Lower	Upper
138	100		
108	35.8	14.6	21.8#
92	139.8	105.9	158.9

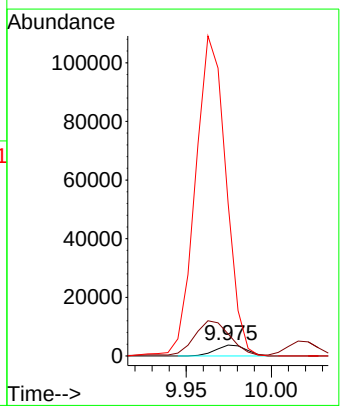


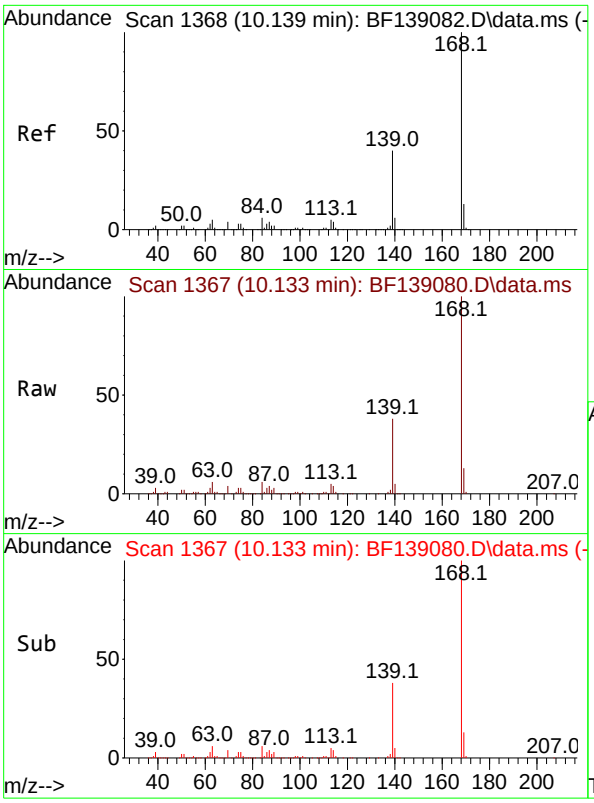


#54
2,4-Dinitrophenol
Concen: 10.995 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:184 Resp: 4613

Ion	Ratio	Lower	Upper
184	100		
63	202.2	70.5	105.7#
154	1404.0	135.0	202.6#



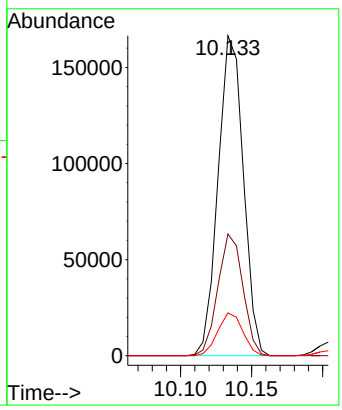


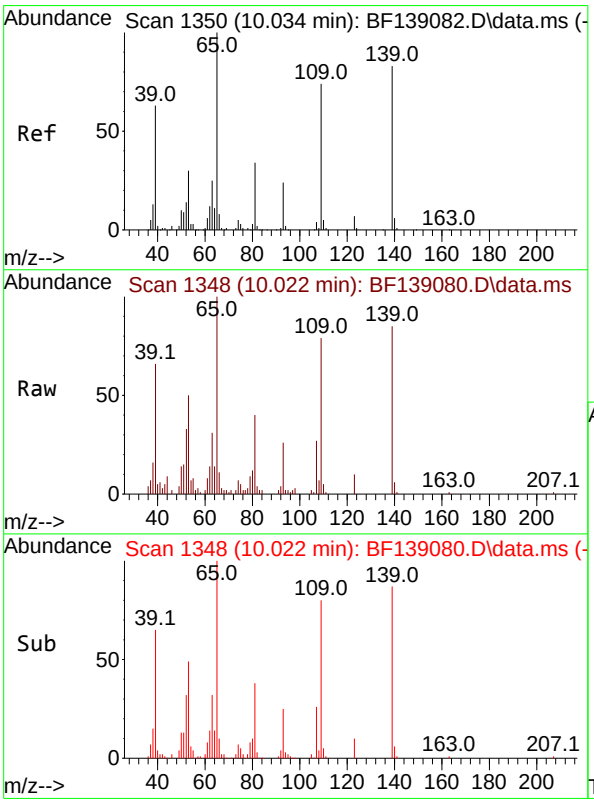
#55
Dibenzofuran
Concen: 10.591 ng
RT: 10.133 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 205829

Ion	Ratio	Lower	Upper
168	100		
139	38.0	31.6	47.4
169	13.4	10.7	16.1

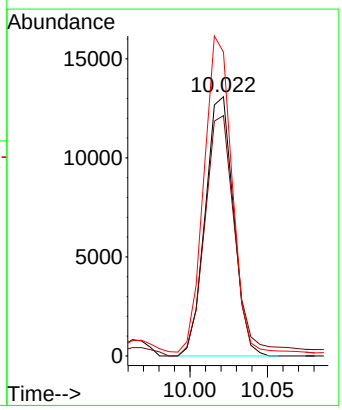


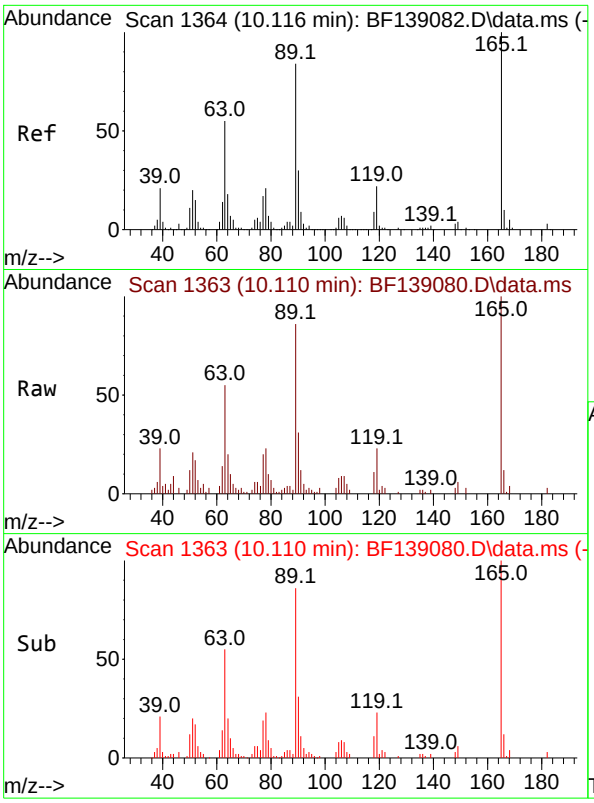


#56
4-Nitrophenol
Concen: 6.997 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:139 Resp: 16588

Ion	Ratio	Lower	Upper
139	100		
109	92.7	68.8	108.8
65	117.2	101.3	141.3



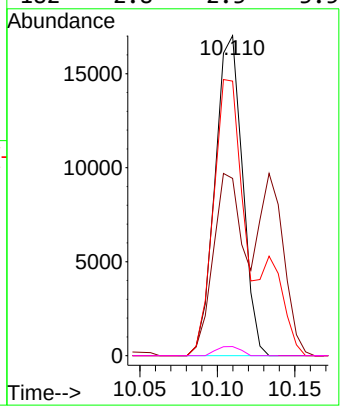


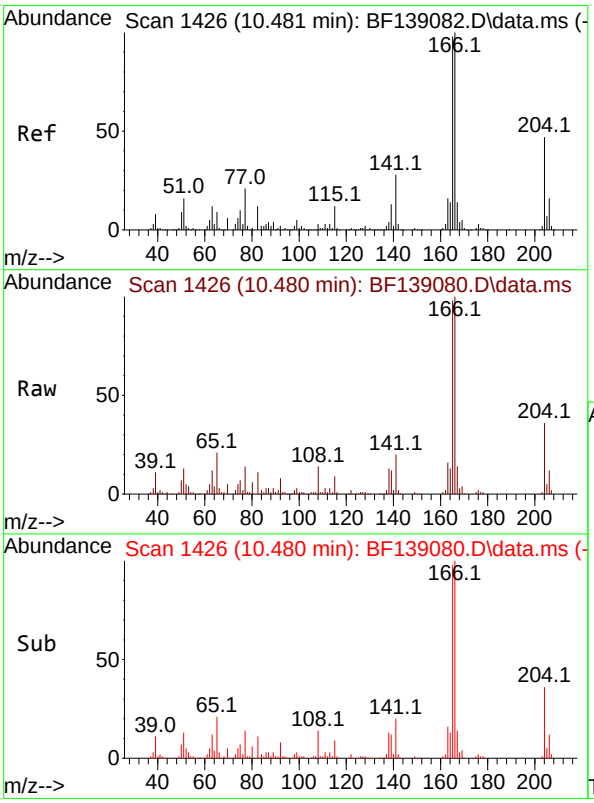
#57
2,4-Dinitrotoluene
Concen: 10.256 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 21006

Ion	Ratio	Lower	Upper
165	100		
63	55.4	44.2	66.4
89	85.8	67.4	101.2
182	2.8	2.3	3.5

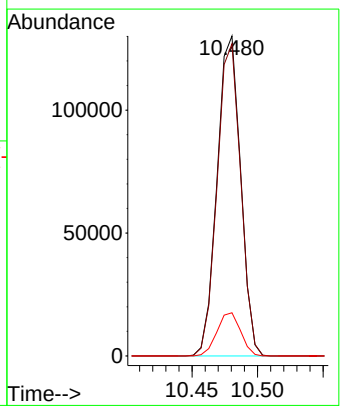


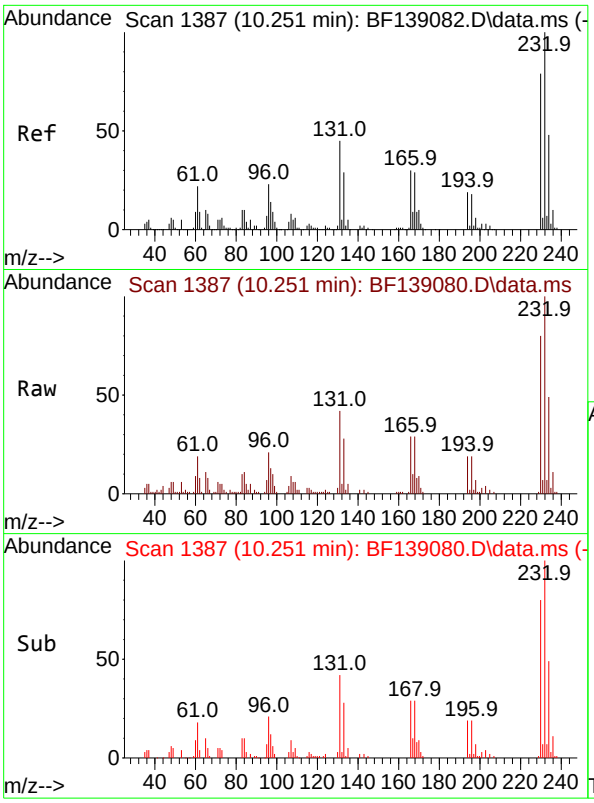


#58
Fluorene
Concen: 10.466 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:166 Resp: 162549

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.0	117.0
167	13.5	11.0	16.4



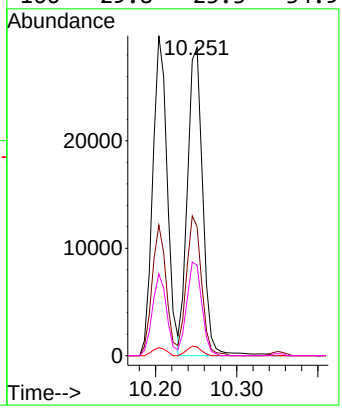


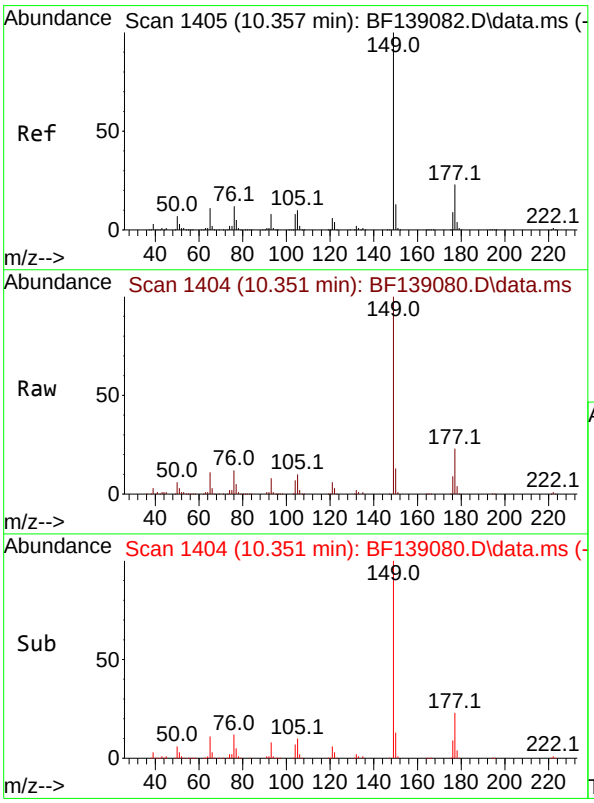
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.745 ng
RT: 10.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 37698

Ion	Ratio	Lower	Upper
232	100		
131	44.2	36.0	54.0
130	2.9	2.0	3.0
166	29.8	23.3	34.9

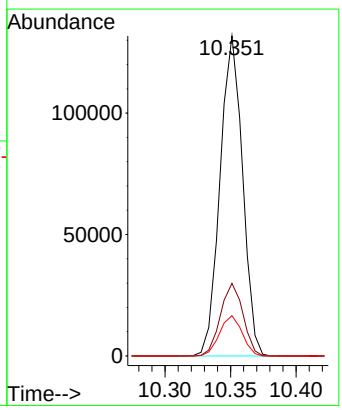


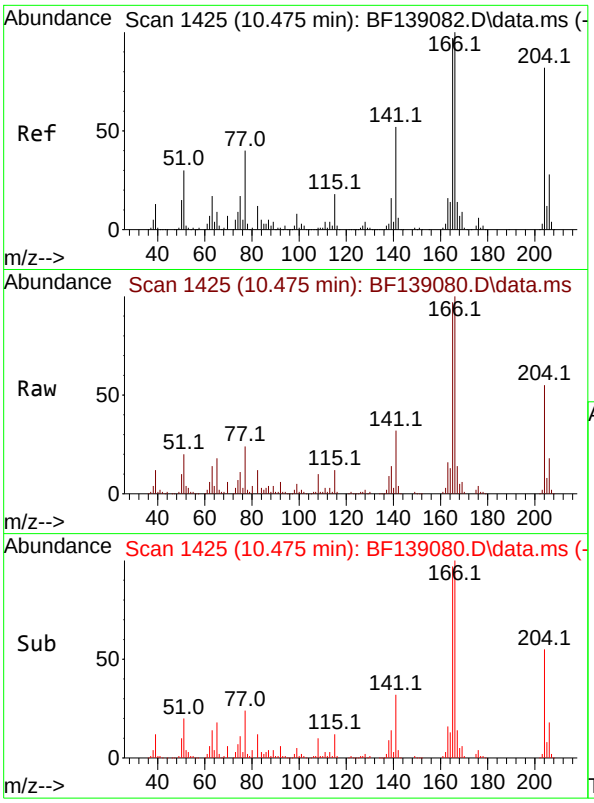


#60
Diethylphthalate
Concen: 10.109 ng
RT: 10.351 min Scan# 1404
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:149 Resp: 157093

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.4	27.6
150	12.6	10.2	15.2



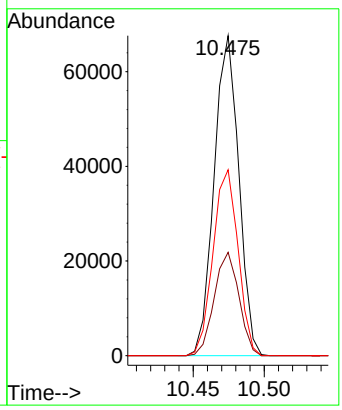


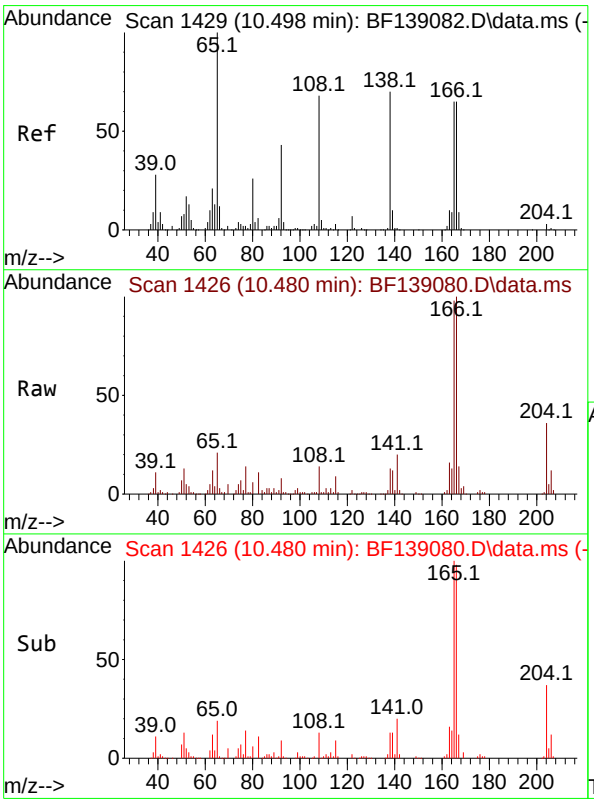
#61
4-Chlorophenyl-phenylether
Concen: 10.520 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 81606

Ion	Ratio	Lower	Upper
204	100		
206	32.3	27.0	40.4
141	58.1	50.9	76.3

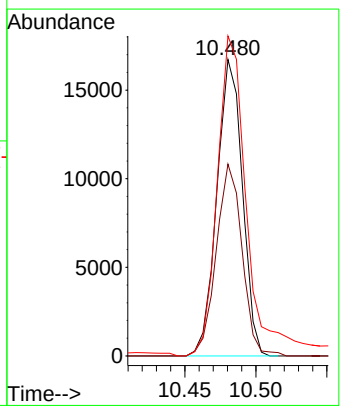


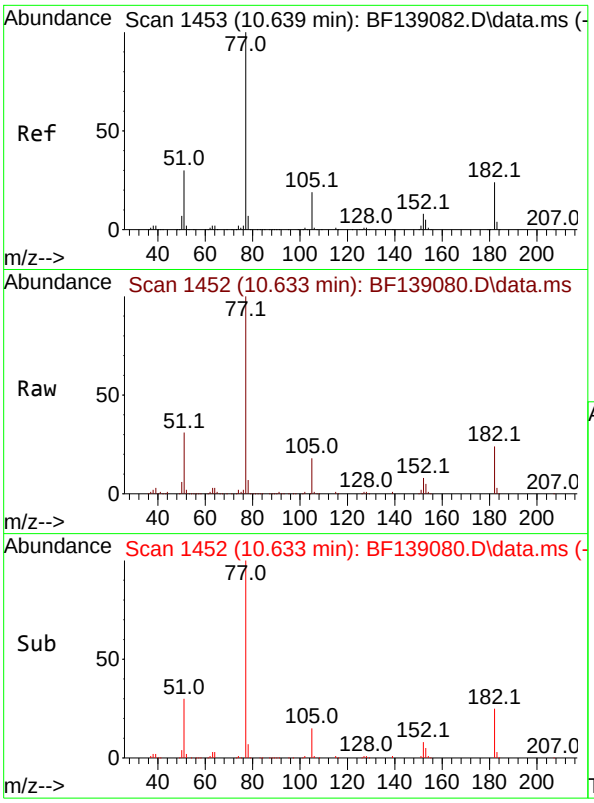


#62
4-Nitroaniline
Concen: 9.698 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.018 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:138 Resp: 20891

Ion	Ratio	Lower	Upper
138	100		
92	64.7	41.4	81.4
108	107.9	76.8	116.8



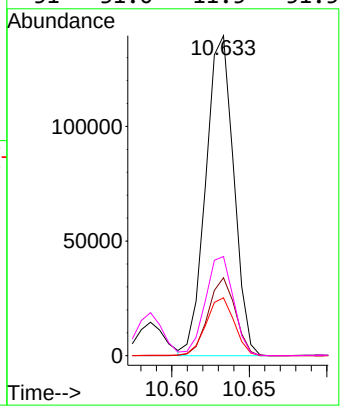


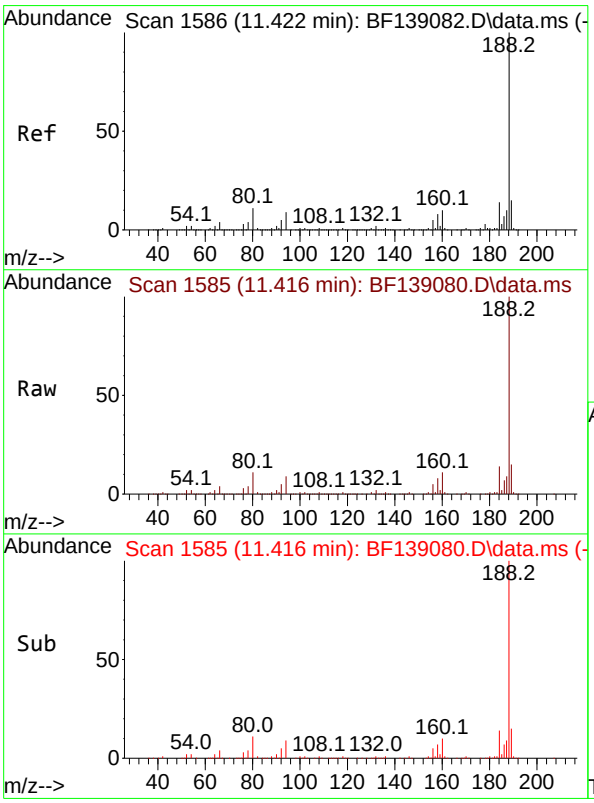
#63
Azobenzene
Concen: 10.134 ng
RT: 10.633 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 175015

Ion	Ratio	Lower	Upper
77	100		
182	24.3	4.0	44.0
105	18.1	0.0	39.1
51	31.0	11.5	51.5

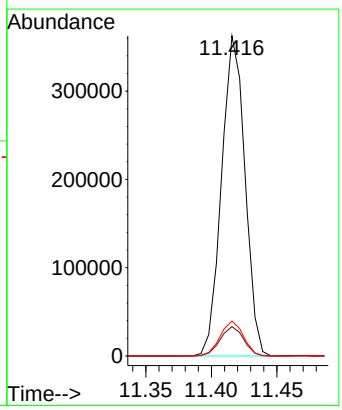


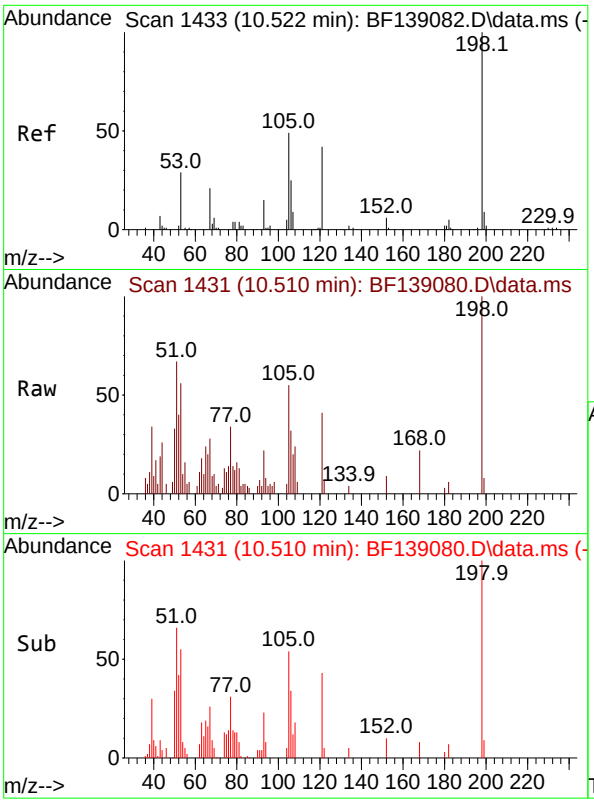


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:188 Resp: 449729

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	10.9	8.5	12.7



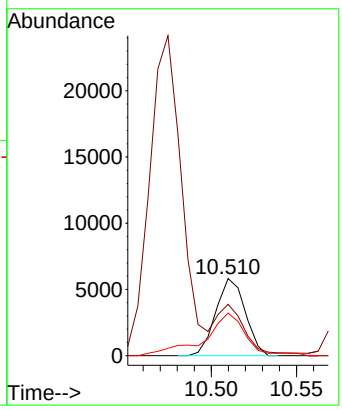


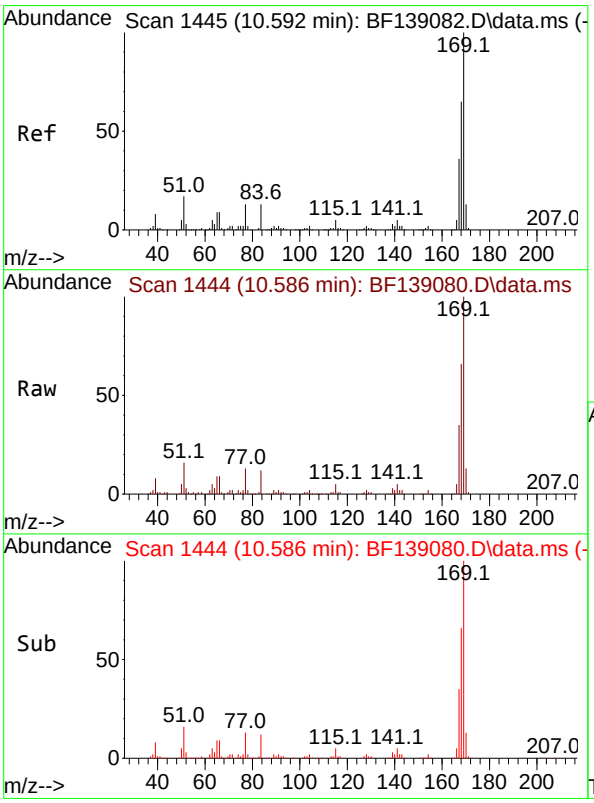
#65
4,6-Dinitro-2-methylphenol
Concen: 11.000 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 6992

Ion	Ratio	Lower	Upper
198	100		
51	66.6	40.8	80.8
105	55.1	30.9	70.9

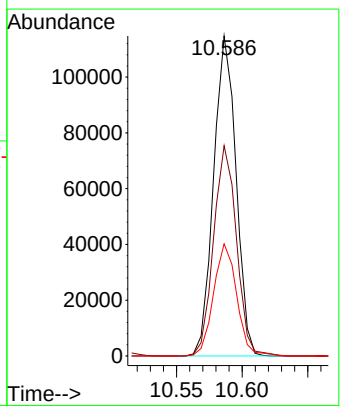


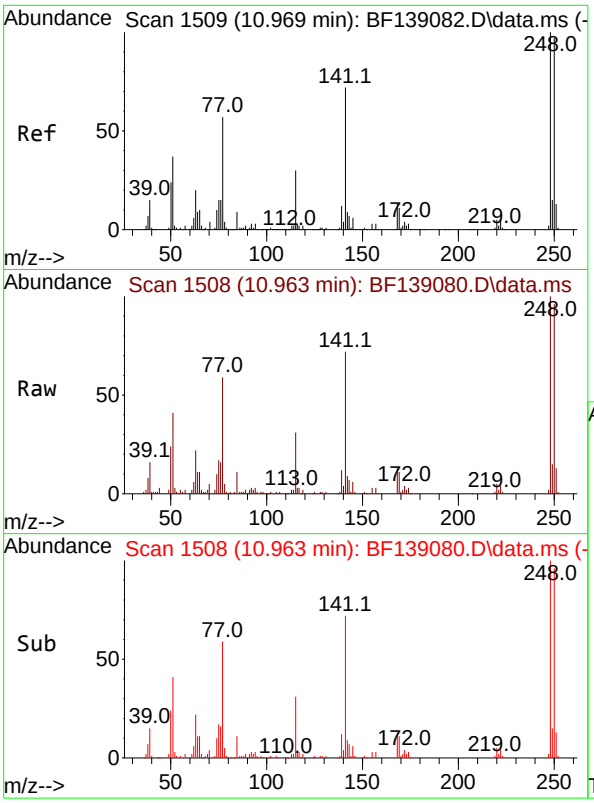


#66
n-Nitrosodiphenylamine
Concen: 10.241 ng
RT: 10.586 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:169 Resp: 136277

Ion	Ratio	Lower	Upper
169	100		
168	65.7	52.4	78.6
167	35.1	28.6	43.0



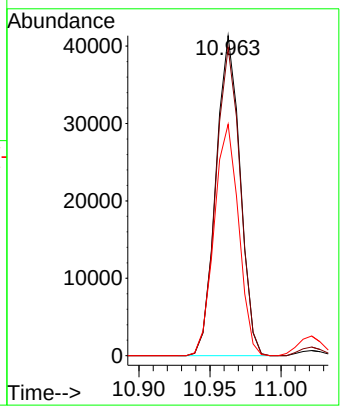


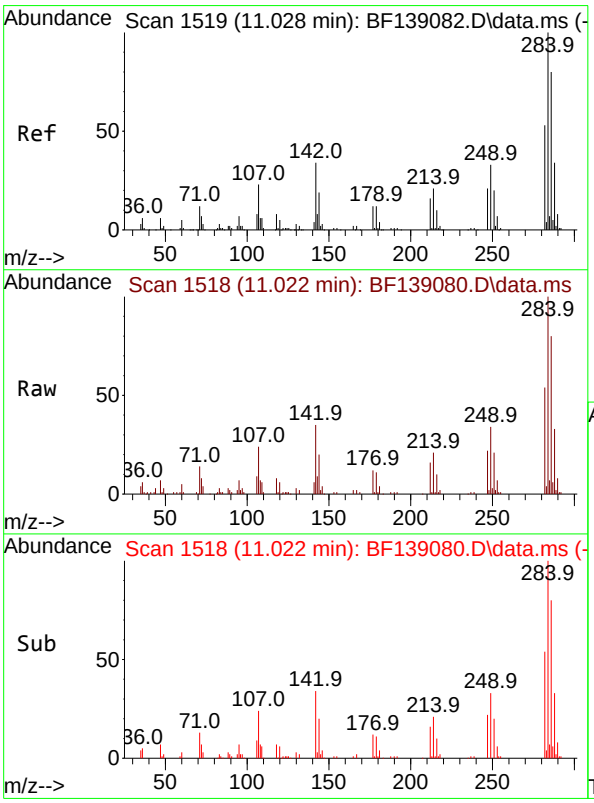
#67
4-Bromophenyl-phenylether
Concen: 10.244 ng
RT: 10.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 48816

Ion	Ratio	Lower	Upper
248	100		
250	96.3	77.8	116.8
141	72.3	57.9	86.9

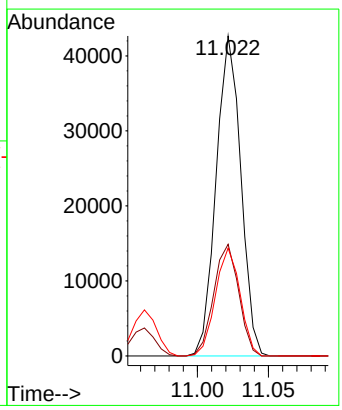


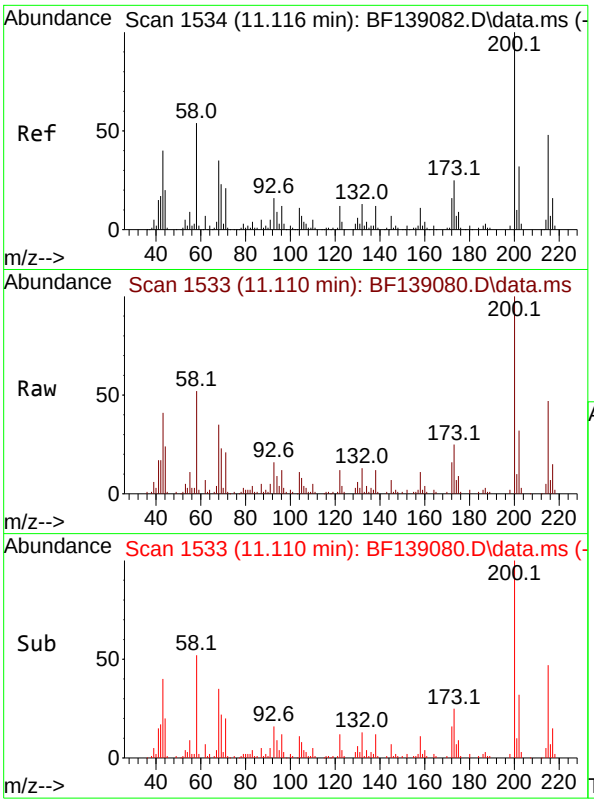


#68
Hexachlorobenzene
Concen: 10.072 ng
RT: 11.022 min Scan# 1518
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:284 Resp: 51493

Ion	Ratio	Lower	Upper
284	100		
142	34.9	27.1	40.7
249	33.7	26.8	40.2



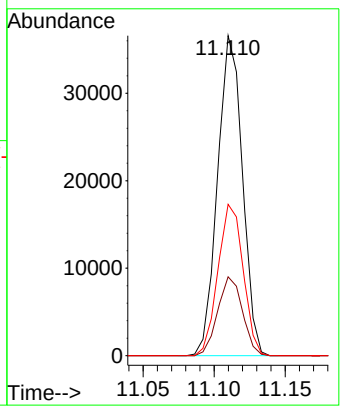


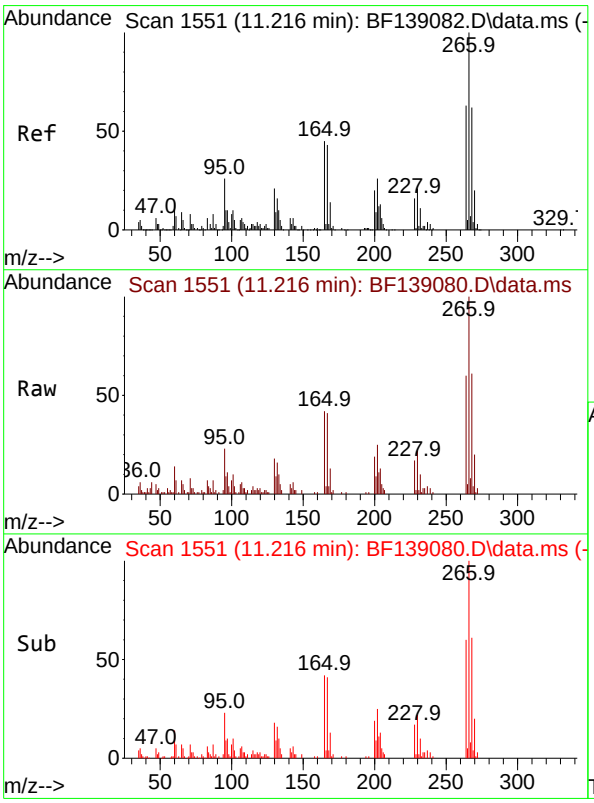
#69
Atrazine
Concen: 10.951 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 44507

Ion	Ratio	Lower	Upper
200	100		
173	24.6	5.2	45.2
215	47.3	27.9	67.9

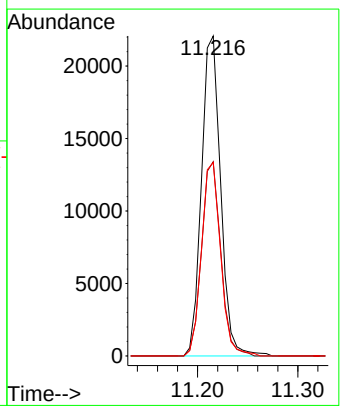


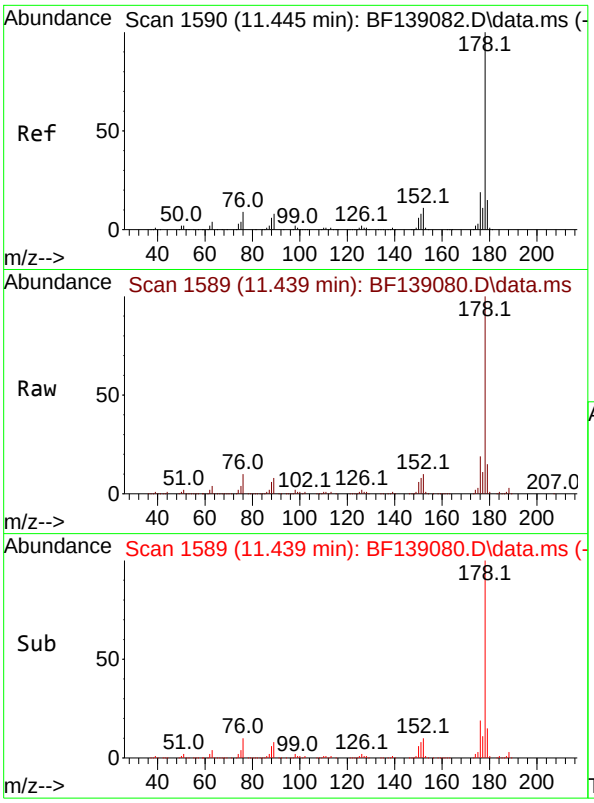


#70
Pentachlorophenol
Concen: 8.989 ng
RT: 11.216 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:266 Resp: 29356

Ion	Ratio	Lower	Upper
266	100		
268	60.7	49.5	74.3
264	60.5	50.0	75.0



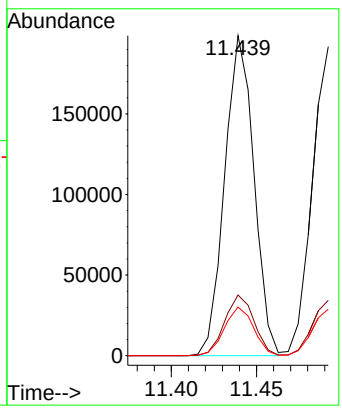


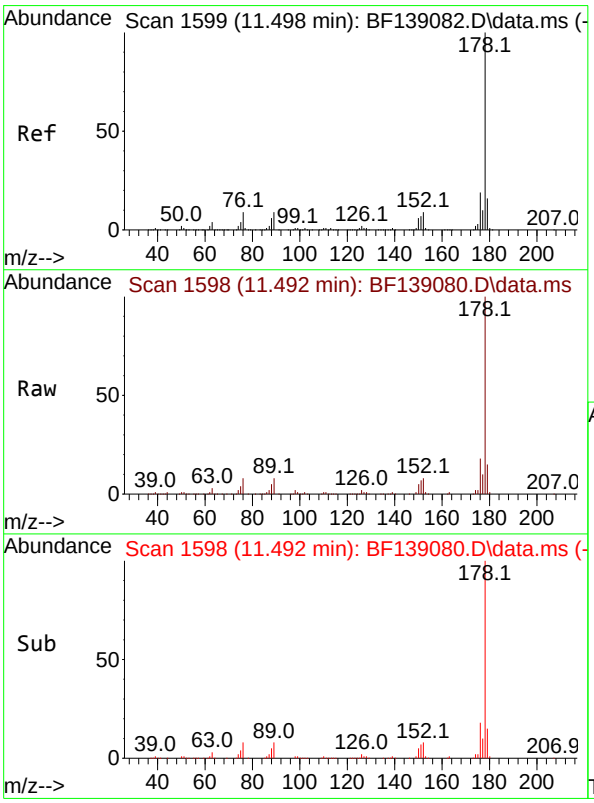
#71
Phenanthrene
Concen: 10.359 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 236801

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.2	12.3	18.5

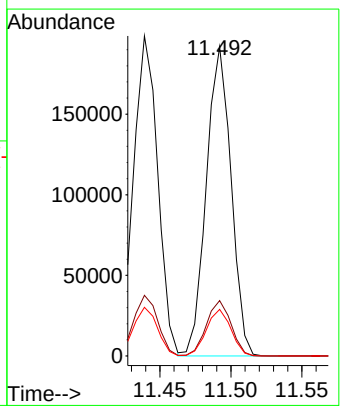


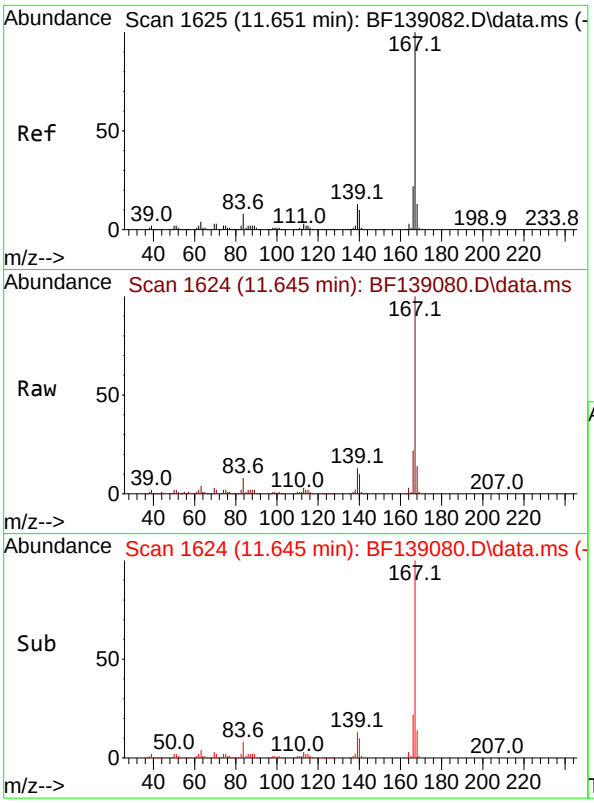


#72
Anthracene
Concen: 10.430 ng
RT: 11.492 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:178 Resp: 233155

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.0	22.4
179	15.1	12.4	18.6



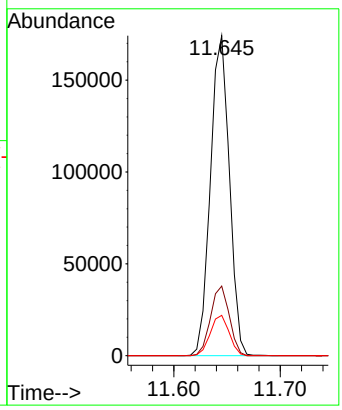


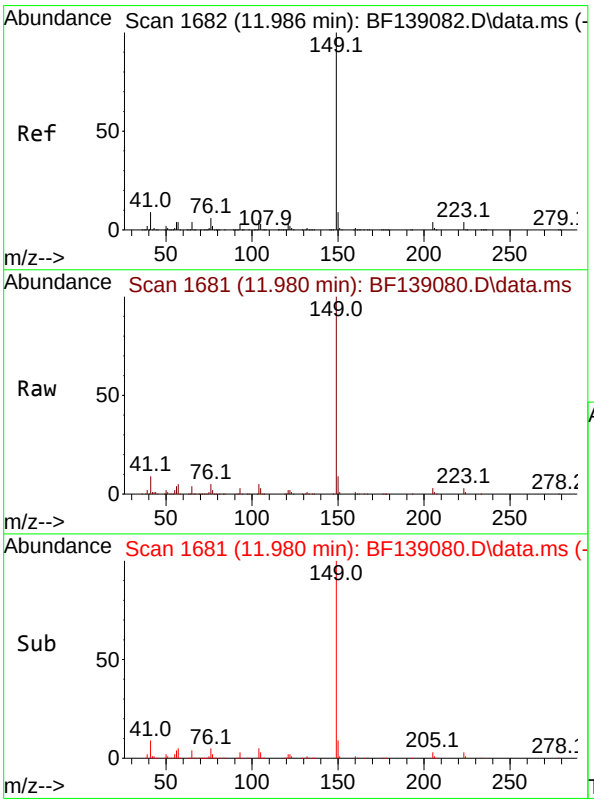
#73
Carbazole
Concen: 10.331 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 215667

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.3	25.9
139	12.6	10.5	15.7

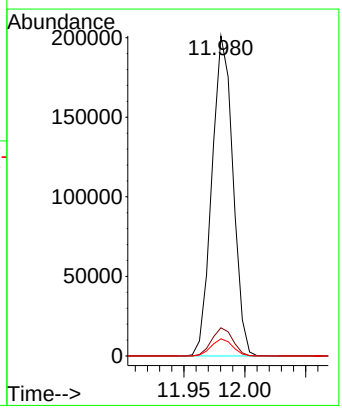


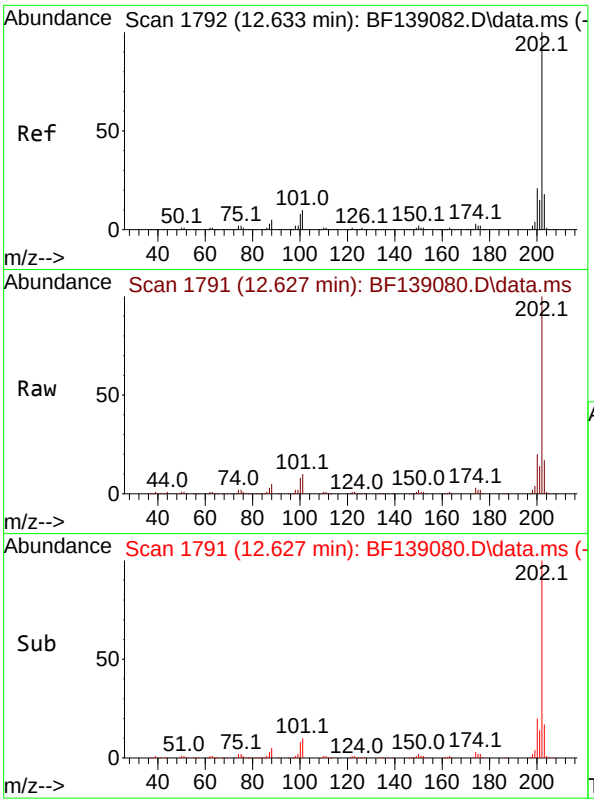


#74
Di-n-butylphthalate
Concen: 10.003 ng
RT: 11.980 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:149 Resp: 242115

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.4	11.2
104	5.3	4.3	6.5



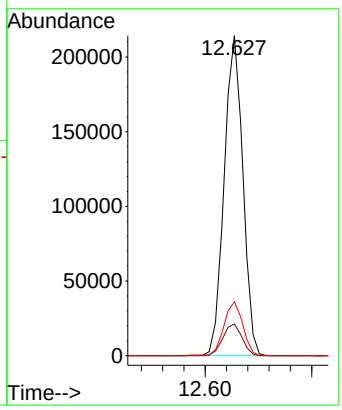


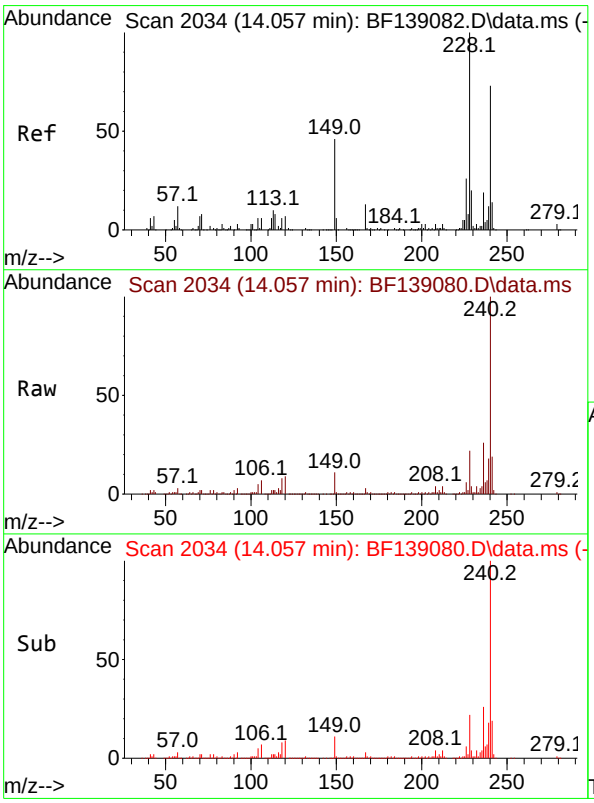
#75
Fluoranthene
Concen: 10.680 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 260569

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.2
203	16.9	0.0	37.6

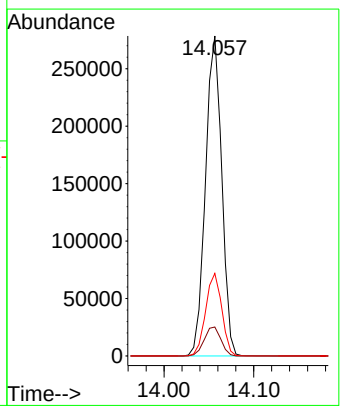


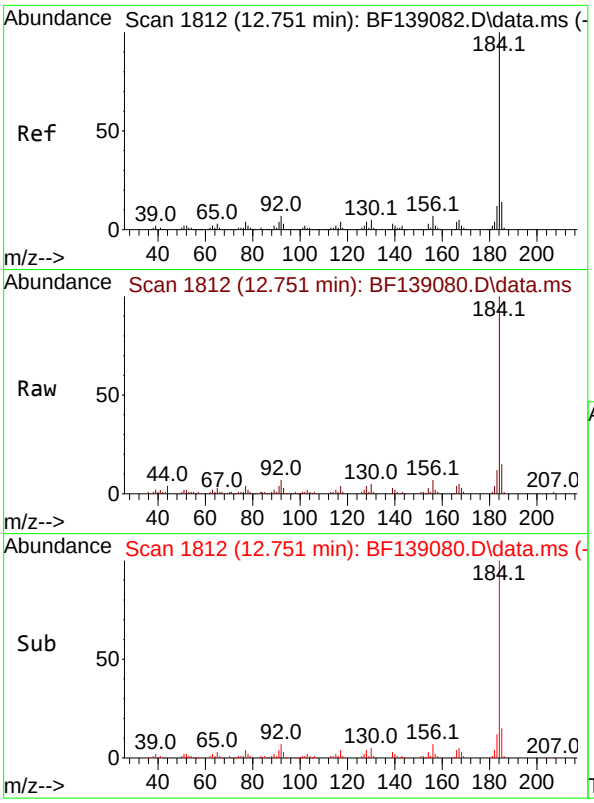


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:240 Resp: 349929

Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.8	11.6
236	25.8	20.9	31.3



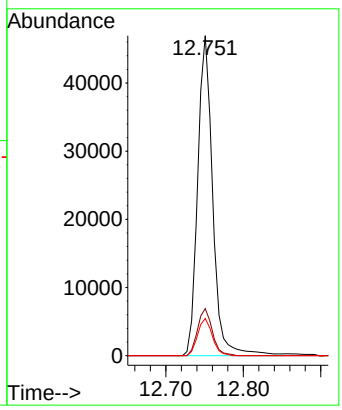


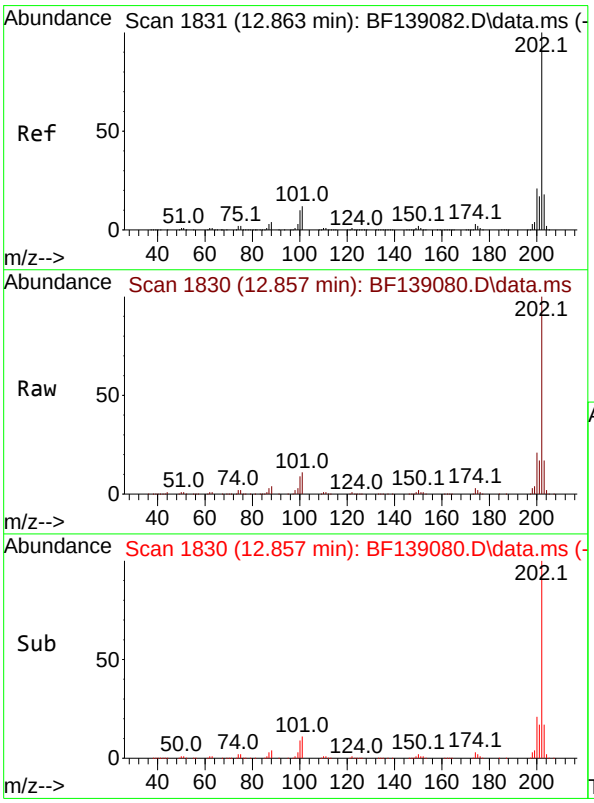
#77
Benzidine
Concen: 8.750 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 63248

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.5	17.3
183	11.6	9.8	14.6

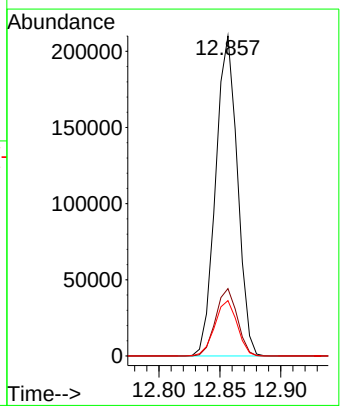


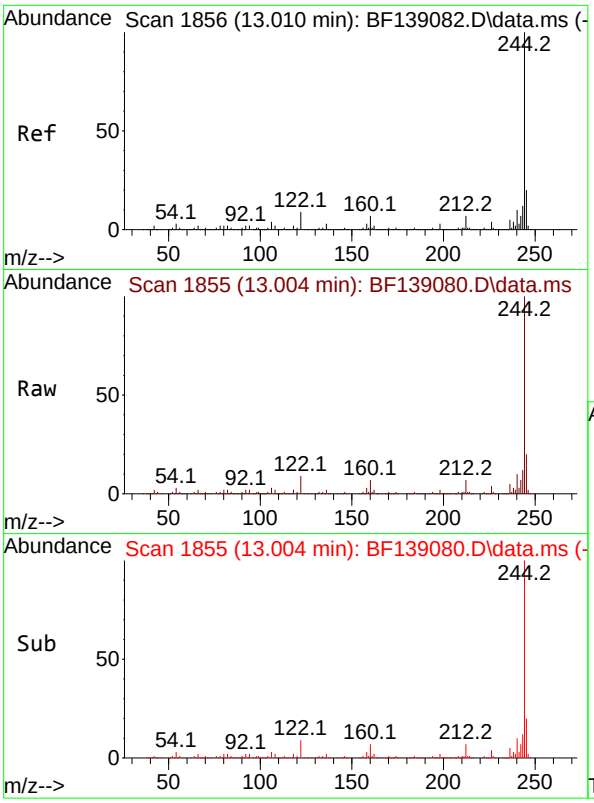


#78
Pyrene
Concen: 8.959 ng
RT: 12.857 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:202 Resp: 261625

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.6
203	17.3	14.1	21.1



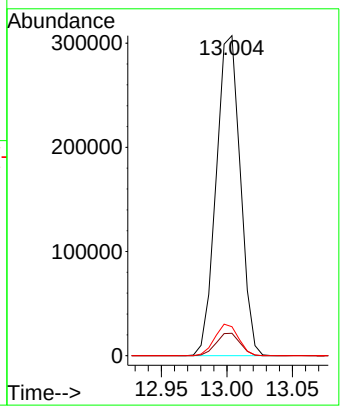


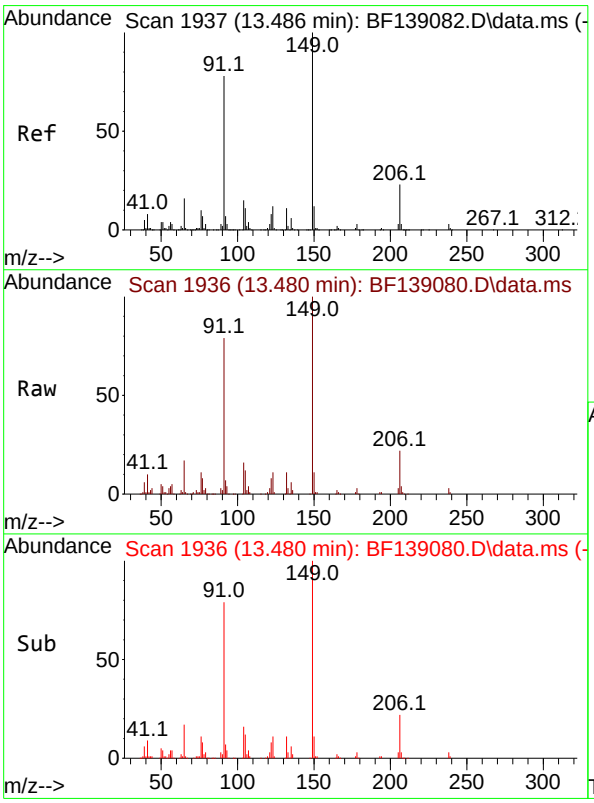
#79
Terphenyl-d14
Concen: 18.600 ng
RT: 13.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 392262

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	9.1	7.6	11.4

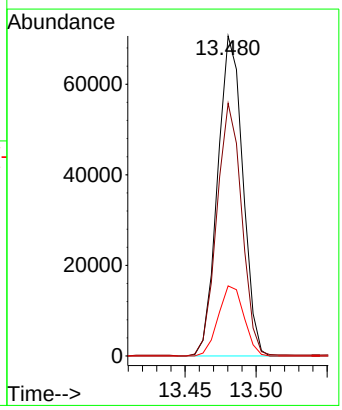


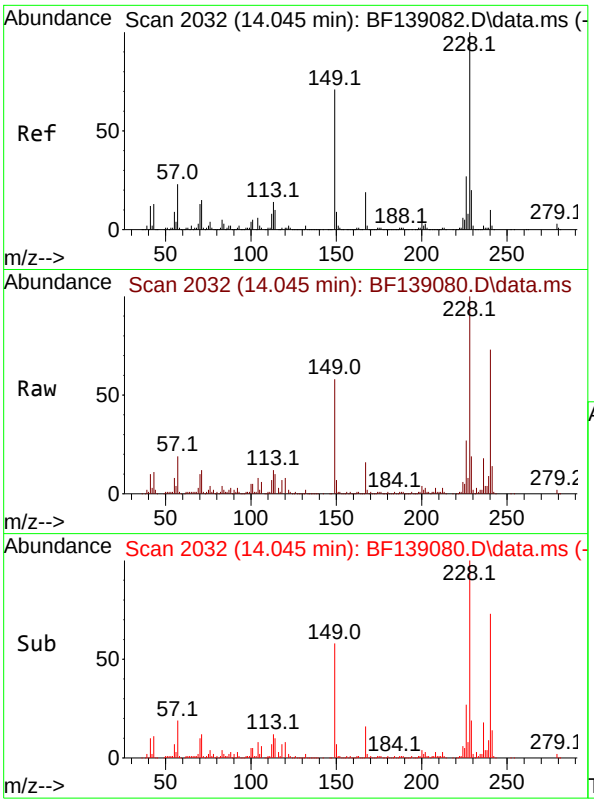


#80
Butylbenzylphthalate
Concen: 8.607 ng
RT: 13.480 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:149 Resp: 86951

Ion	Ratio	Lower	Upper
149	100		
91	78.9	62.1	93.1
206	21.9	18.0	27.0



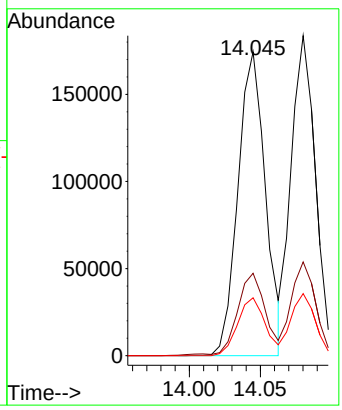


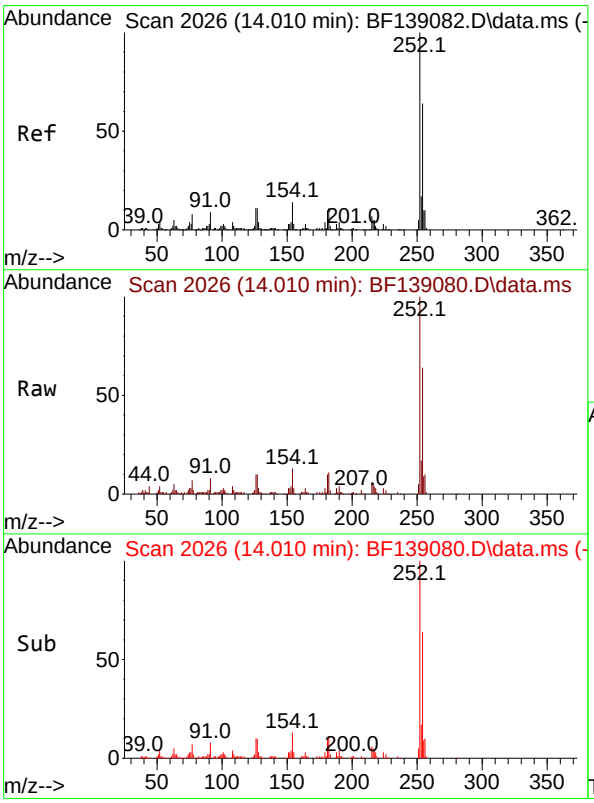
#81
Benzo(a)anthracene
Concen: 10.217 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 235019

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.9	32.9
229	19.1	16.1	24.1

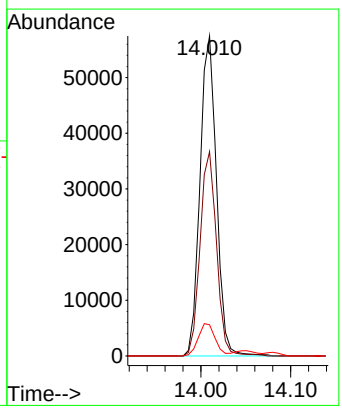


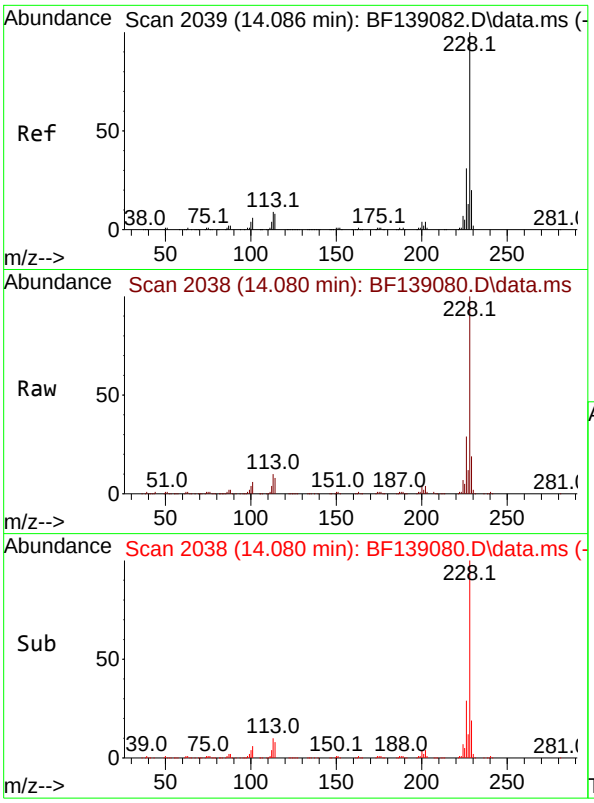


#82
3,3'-Dichlorobenzidine
Concen: 11.396 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:252 Resp: 73276

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.4	77.0
126	9.8	8.6	12.8



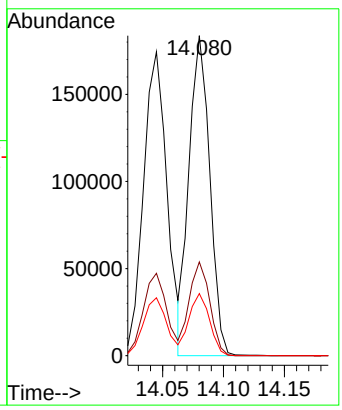


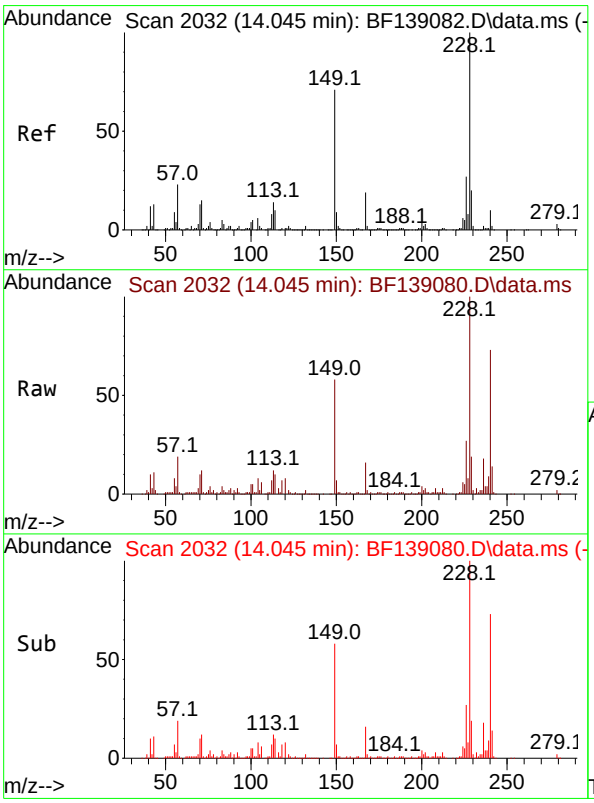
#83
Chrysene
Concen: 10.444 ng
RT: 14.080 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 217764

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.3	36.5
229	19.4	15.8	23.8

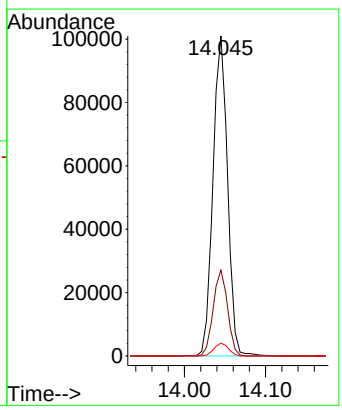


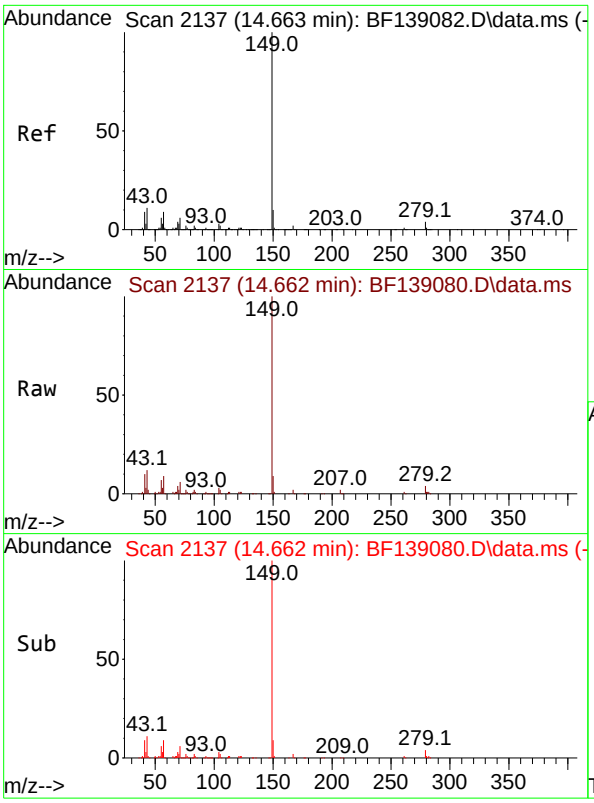


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.391 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:149 Resp: 125777

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.8	32.6
279	4.0	3.5	5.3



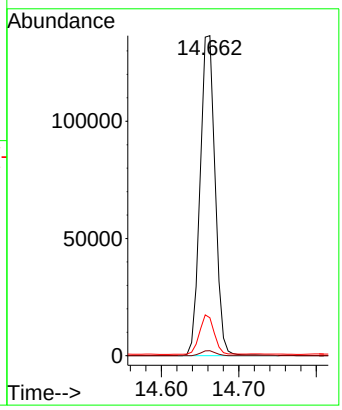


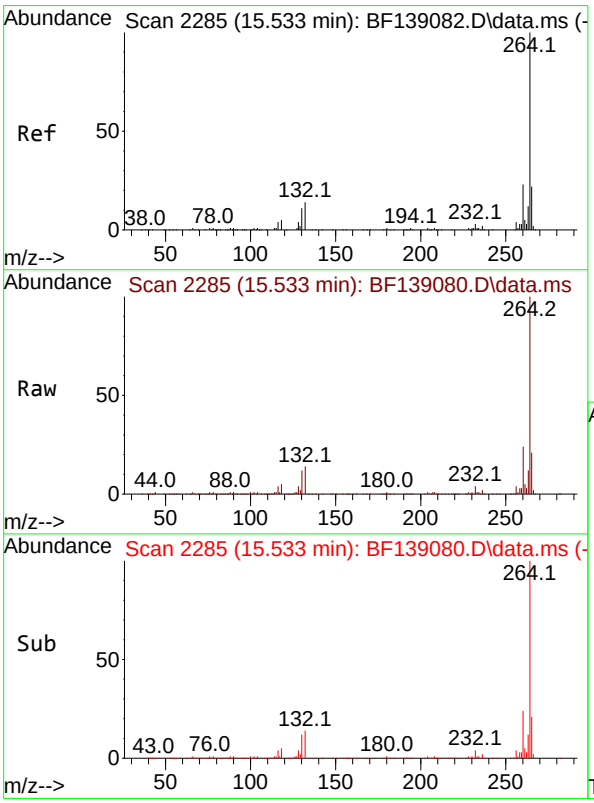
#85
Di-n-octyl phthalate
Concen: 9.774 ng
RT: 14.662 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 183724

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.1	9.6	14.4

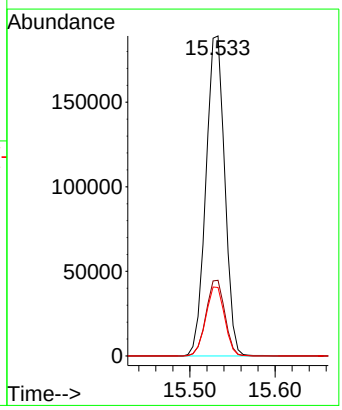


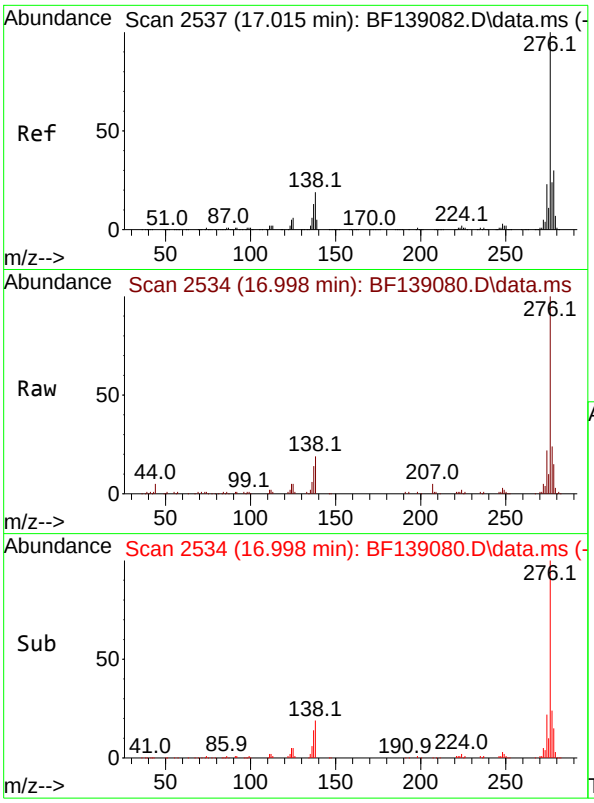


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:264 Resp: 289853

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	21.4	17.4	26.2



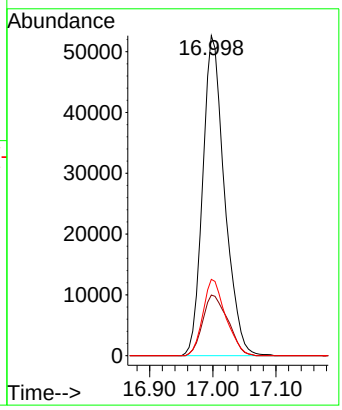


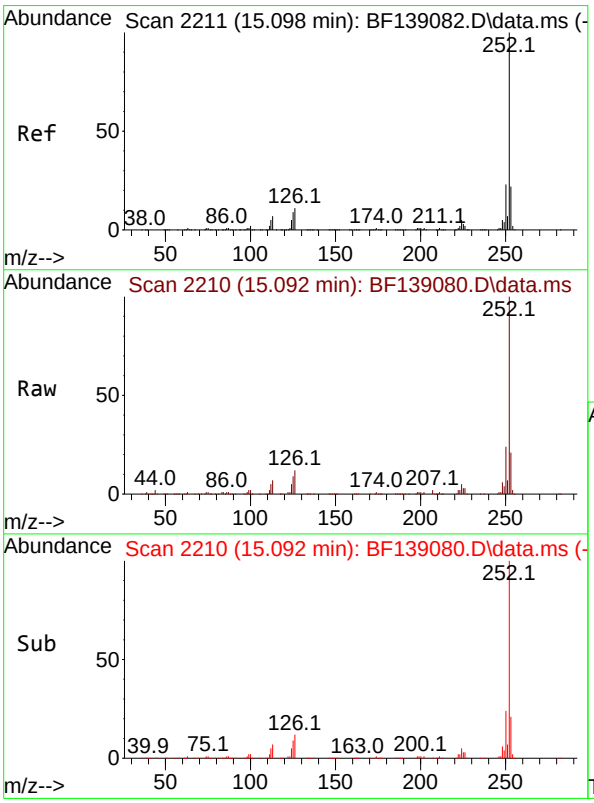
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.455 ng
RT: 16.998 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 126465

Ion	Ratio	Lower	Upper
276	100		
138	21.9	17.3	25.9
277	24.8	20.2	30.4

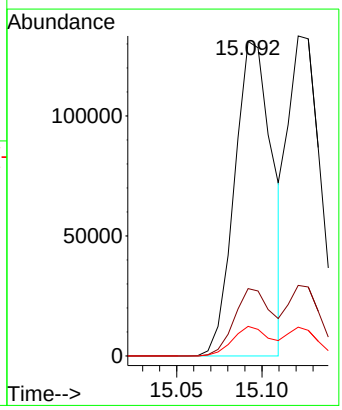


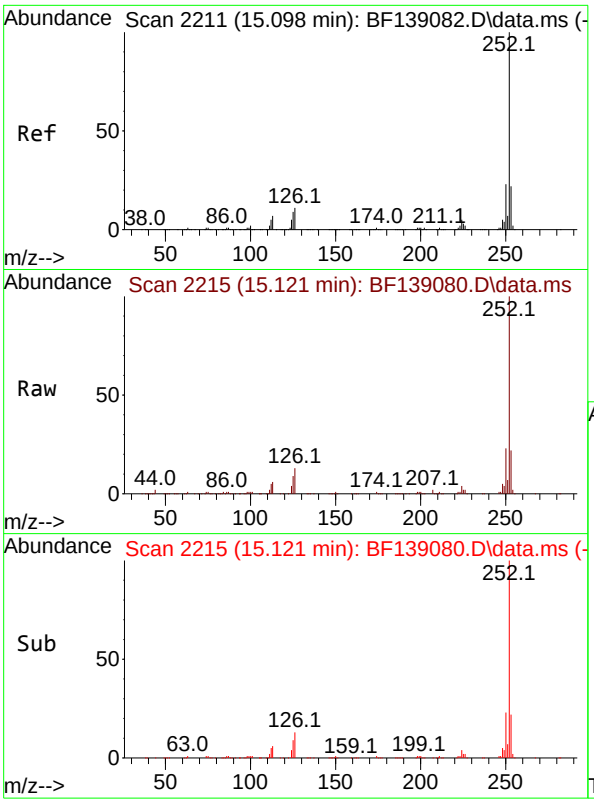


#88
Benzo(b)fluoranthene
Concen: 10.671 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:252 Resp: 201640

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	9.4	7.0	10.6



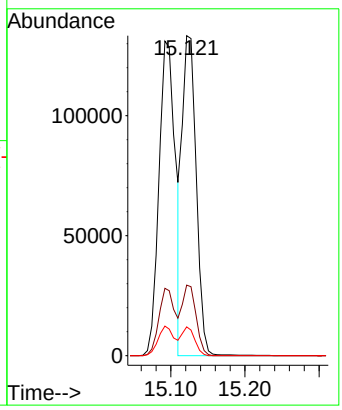


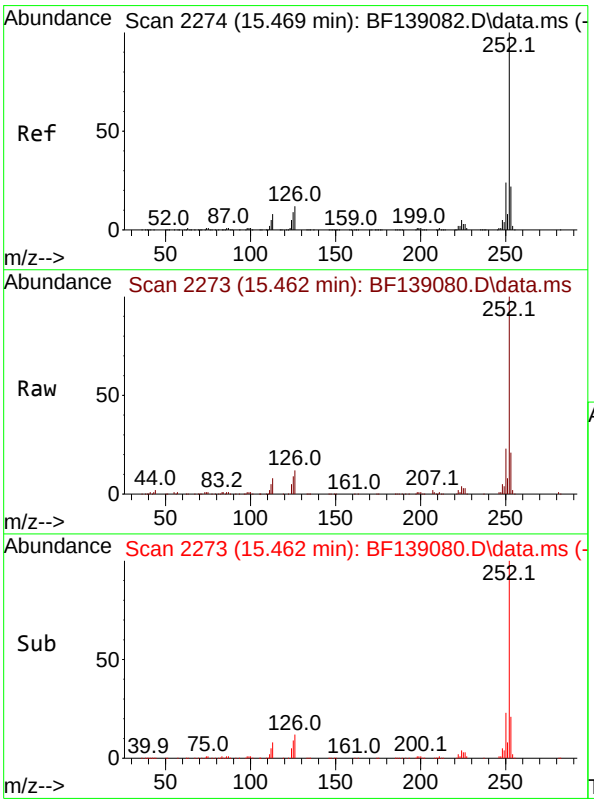
#89
Benzo(k)fluoranthene
Concen: 11.231 ng
RT: 15.121 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 176757

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	9.0	7.0	10.6

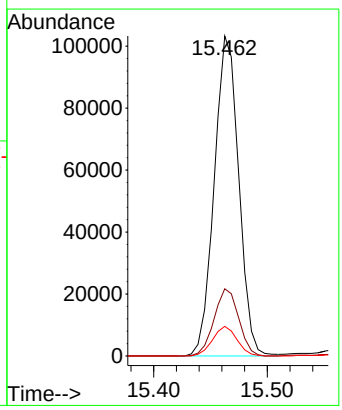


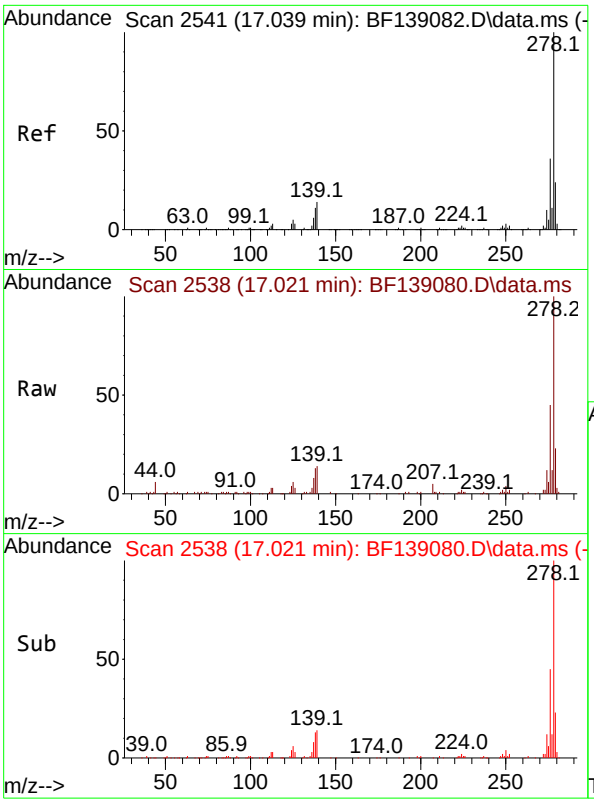


#90
Benzo(a)pyrene
Concen: 10.362 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:252 Resp: 154721

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.3	25.9
125	9.3	7.4	11.2



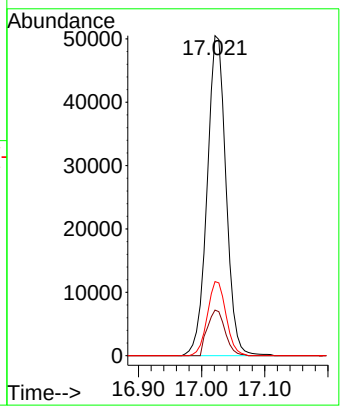


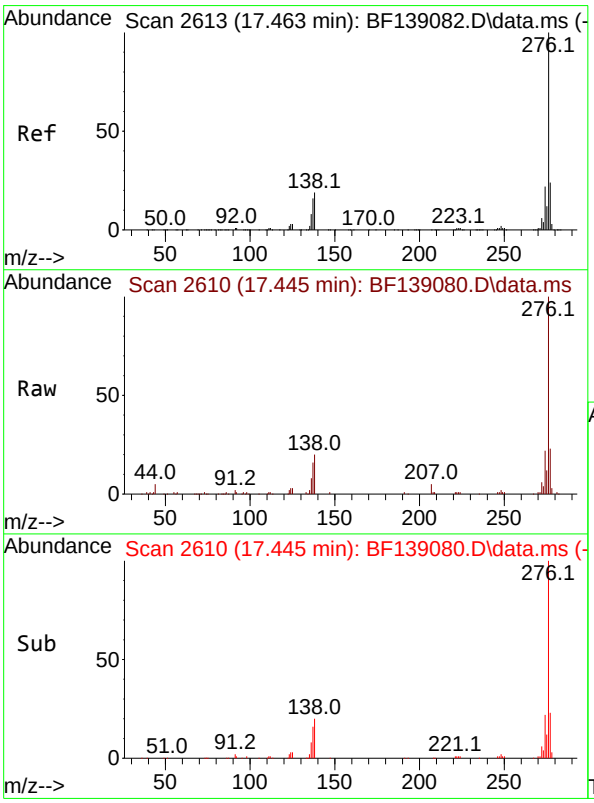
#91
Dibenzo(a,h)anthracene
Concen: 7.531 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 104872

Ion	Ratio	Lower	Upper
278	100		
139	14.3	10.8	16.2
279	23.2	19.2	28.8

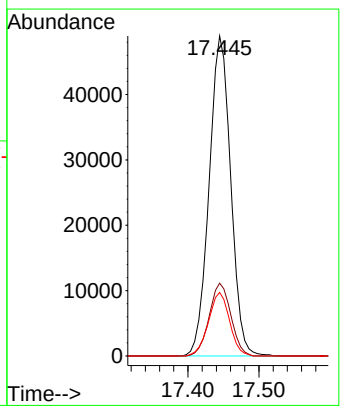




#92
Benzo(g,h,i)perylene
Concen: 8.909 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.018 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:276 Resp: 103295

Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.8	28.2
138	19.9	15.0	22.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139081.D
Acq On : 20 Aug 2024 18:40
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 21 01:13:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	114177	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	422575	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	244023	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	428750	20.000	ng	0.00
76) Chrysene-d12	14.057	240	319277	20.000	ng	0.00
86) Perylene-d12	15.527	264	230136	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	304769	41.067	ng	0.00
7) Phenol-d6	6.510	99	396605	41.360	ng	-0.01
23) Nitrobenzene-d5	7.457	82	284330	39.207	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	92973	42.086	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	647309	42.087	ng	0.00
79) Terphenyl-d14	13.004	244	730296	37.954	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	66120	20.773	ng	98
3) Pyridine	3.440	79	176276	21.793	ng	99
4) n-Nitrosodimethylamine	3.387	42	93802	19.197	ng	99
6) Aniline	6.557	93	185690	21.451	ng	98
8) 2-Chlorophenol	6.675	128	149421	20.933	ng	99
9) Benzaldehyde	6.446	77	132737	23.602	ng	100
10) Phenol	6.528	94	210003	21.048	ng	96
11) bis(2-Chloroethyl)ether	6.628	93	156895	19.628	ng	99
12) 1,3-Dichlorobenzene	6.834	146	179960	20.969	ng	100
13) 1,4-Dichlorobenzene	6.916	146	179504	20.919	ng	99
14) 1,2-Dichlorobenzene	7.069	146	169278	21.585	ng	99
15) Benzyl Alcohol	7.034	79	155989	20.582	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	233253	20.637	ng	99
17) 2-Methylphenol	7.140	107	127205	20.831	ng	99
18) Hexachloroethane	7.410	117	60756	20.192	ng	95
19) n-Nitroso-di-n-propyla...	7.304	70	124292	19.738	ng	99
20) 3+4-Methylphenols	7.293	107	165120	20.870	ng	99
22) Acetophenone	7.304	105	227379	21.074	ng	99
24) Nitrobenzene	7.475	77	161405	20.023	ng	99
25) Isophorone	7.710	82	317928	20.626	ng	100
26) 2-Nitrophenol	7.793	139	42329	18.897	ng	96
27) 2,4-Dimethylphenol	7.822	122	98954	20.245	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	186031	20.655	ng	99
29) 2,4-Dichlorophenol	8.028	162	126408	20.759	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	148682	20.852	ng	100
31) Naphthalene	8.198	128	452369	21.125	ng	100
32) Benzoic acid	7.910	122	56067	19.885	ng	94
33) 4-Chloroaniline	8.245	127	153489	20.929	ng	98
34) Hexachlorobutadiene	8.316	225	97779	20.993	ng	99
35) Caprolactam	8.598	113	38680	20.038	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	139226	20.649	ng	99
37) 2-Methylnaphthalene	8.892	142	286679	20.872	ng	100
38) 1-Methylnaphthalene	8.987	142	281380	21.226	ng	98
40) 1,2,4,5-Tetrachloroben...	9.051	216	145276	20.223	ng	100
41) Hexachlorocyclopentadiene	9.045	237	53093	20.678	ng	98
43) 2,4,6-Trichlorophenol	9.163	196	92295	20.472	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139081.D
Acq On : 20 Aug 2024 18:40
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 21 01:13:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

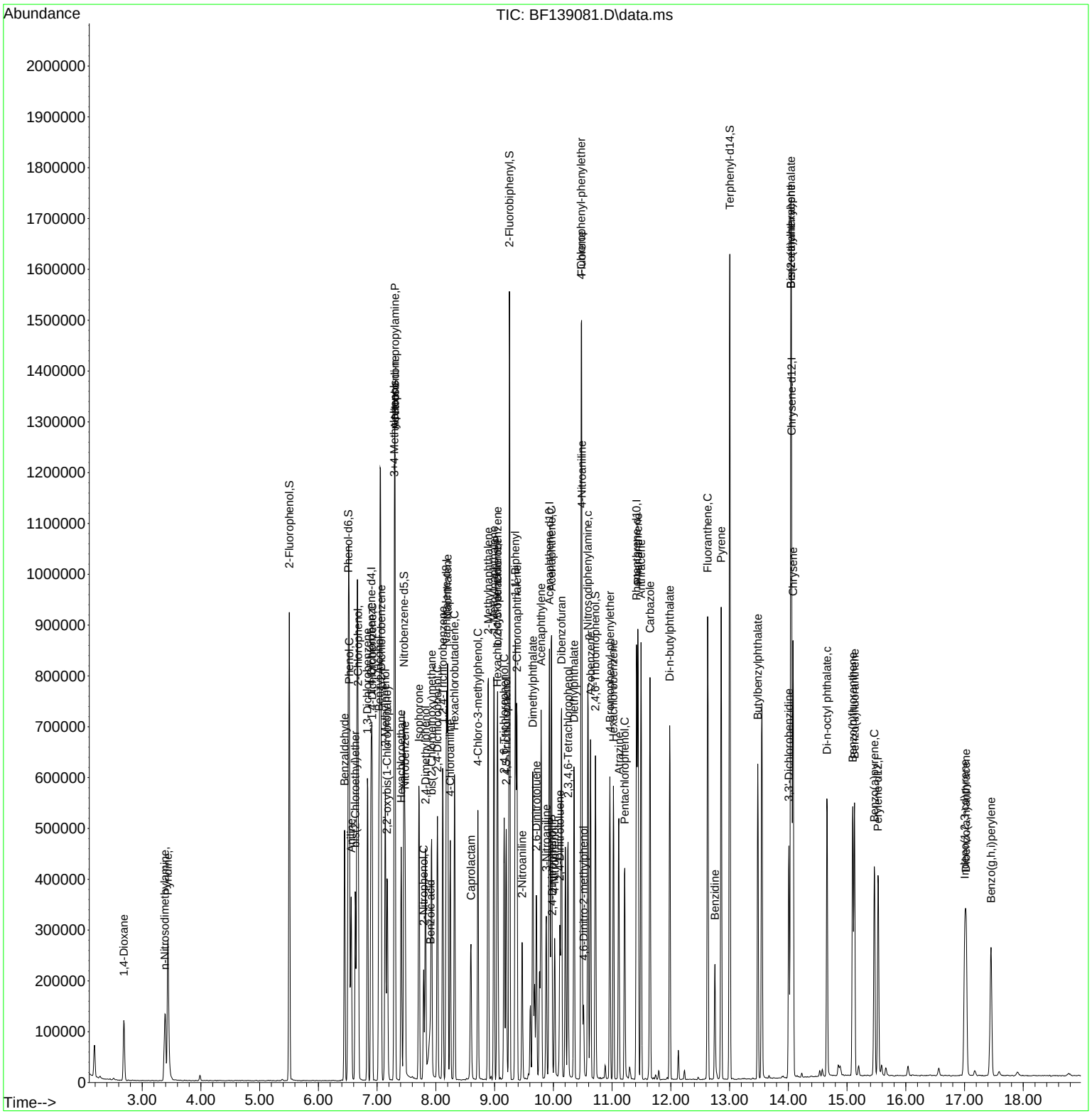
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	93701	20.248	ng		99
46) 1,1'-Biphenyl	9.351	154	360920	21.591	ng		99
47) 2-Chloronaphthalene	9.381	162	285784	21.041	ng		98
48) 2-Nitroaniline	9.469	65	57242	18.629	ng		98
49) Acenaphthylene	9.792	152	412294	21.190	ng		100
50) Dimethylphthalate	9.651	163	315889	20.968	ng		100
51) 2,6-Dinitrotoluene	9.710	165	49197	19.266	ng		98
52) Acenaphthene	9.969	154	261714	20.363	ng		99
53) 3-Nitroaniline	9.881	138	51606	19.585	ng	#	98
54) 2,4-Dinitrophenol	9.981	184	12058	19.453	ng	#	1
55) Dibenzofuran	10.139	168	396151	21.221	ng		98
56) 4-Nitrophenol	10.022	139	41271	18.124	ng		97
57) 2,4-Dinitrotoluene	10.110	165	55907	18.598	ng		98
58) Fluorene	10.481	166	310711	20.827	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.251	232	79240	21.326	ng		99
60) Diethylphthalate	10.351	149	309251	20.718	ng		99
61) 4-Chlorophenyl-phenyle...	10.475	204	155161	20.824	ng		98
62) 4-Nitroaniline	10.486	138	52096	19.256	ng		96
63) Azobenzene	10.634	77	340418	20.522	ng		100
65) 4,6-Dinitro-2-methylph...	10.516	198	19851	19.345	ng		97
66) n-Nitrosodiphenylamine	10.586	169	262973	20.729	ng		100
67) 4-Bromophenyl-phenylether	10.963	248	96912	21.331	ng		98
68) Hexachlorobenzene	11.022	284	98858	20.282	ng		98
69) Atrazine	11.116	200	84369	21.775	ng		99
70) Pentachlorophenol	11.216	266	62951	20.219	ng		98
71) Phenanthrene	11.439	178	456936	20.968	ng		99
72) Anthracene	11.492	178	443551	20.812	ng		100
73) Carbazole	11.645	167	418398	21.024	ng		100
74) Di-n-butylphthalate	11.980	149	470595	20.393	ng		99
75) Fluoranthene	12.628	202	493896	21.234	ng		99
77) Benzidine	12.751	184	117462	17.811	ng		99
78) Pyrene	12.857	202	512819	19.247	ng		99
80) Butylbenzylphthalate	13.480	149	179950	19.522	ng		99
81) Benzo(a)anthracene	14.045	228	429888	20.483	ng		99
82) 3,3'-Dichlorobenzidine	14.010	252	130003	22.160	ng		100
83) Chrysene	14.080	228	411307	21.621	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	241559	19.767	ng		100
85) Di-n-octyl phthalate	14.657	149	349298	20.366	ng		100
87) Indeno(1,2,3-cd)pyrene	17.004	276	258712	19.208	ng		99
88) Benzo(b)fluoranthene	15.098	252	319834	21.317	ng		99
89) Benzo(k)fluoranthene	15.127	252	296462	23.725	ng		99
90) Benzo(a)pyrene	15.463	252	250079	21.094	ng		99
91) Dibenzo(a,h)anthracene	17.027	278	212214	19.194	ng		99
92) Benzo(g,h,i)perylene	17.451	276	222690	19.397	ng		99

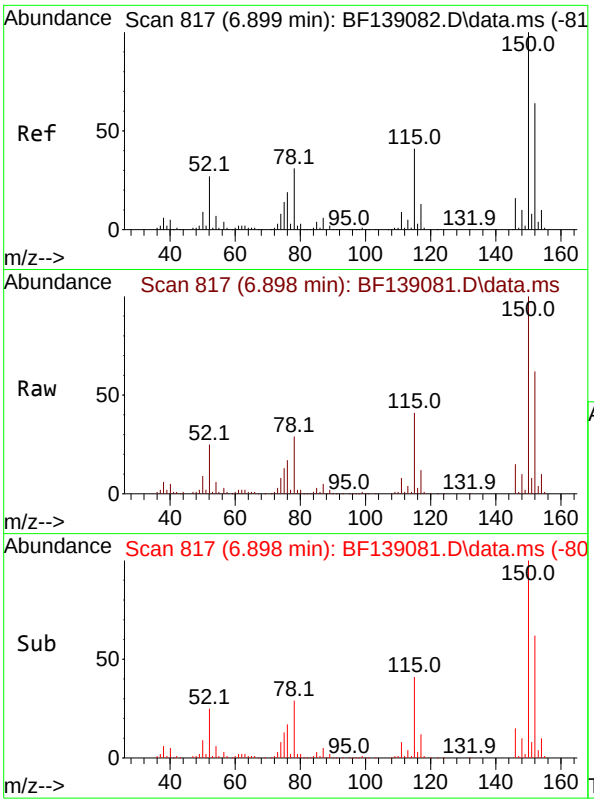
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139081.D
Acq On : 20 Aug 2024 18:40
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 21 01:13:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration



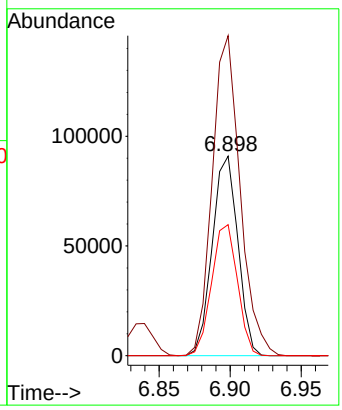


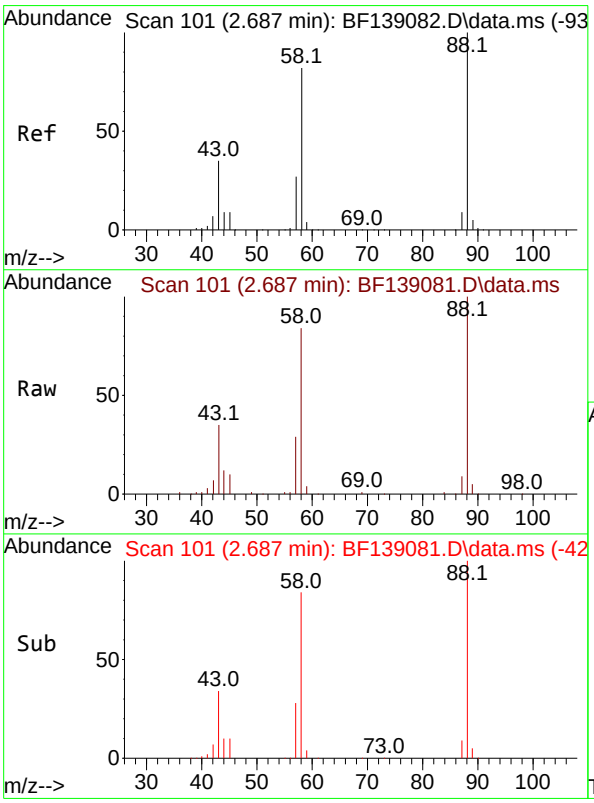
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 114177

Ion	Ratio	Lower	Upper
152	100		
150	160.3	125.1	187.7
115	65.7	51.8	77.6

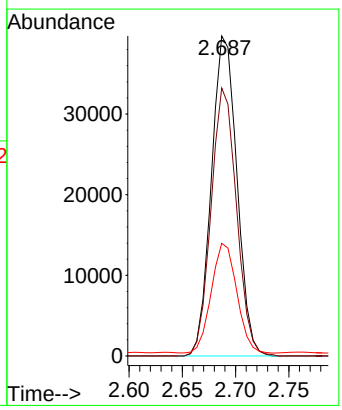


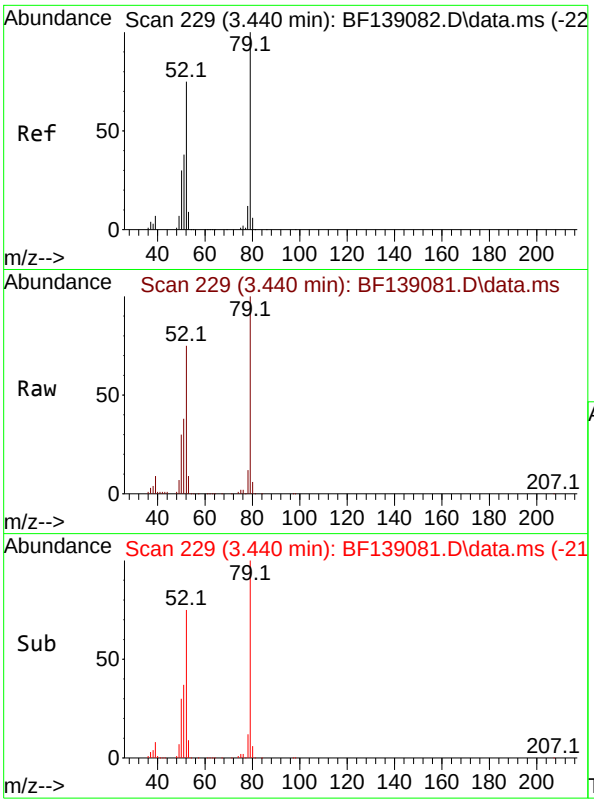


#2
1,4-Dioxane
Concen: 20.773 ng
RT: 2.687 min Scan# 101
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion: 88 Resp: 66120

Ion	Ratio	Lower	Upper
88	100		
58	83.6	65.4	98.0
43	34.2	27.9	41.9



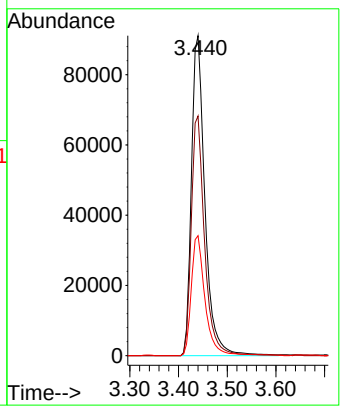


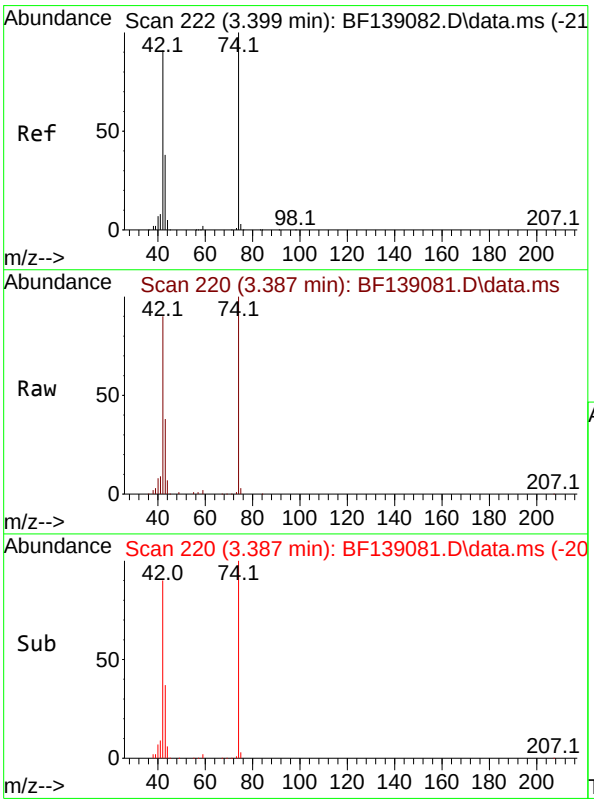
#3
Pyridine
Concen: 21.793 ng
RT: 3.440 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 176276

Ion	Ratio	Lower	Upper
79	100		
52	74.9	59.7	89.5
51	37.5	30.6	45.8

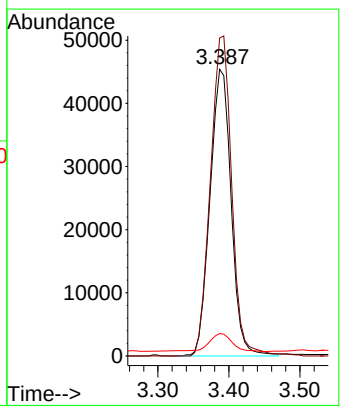


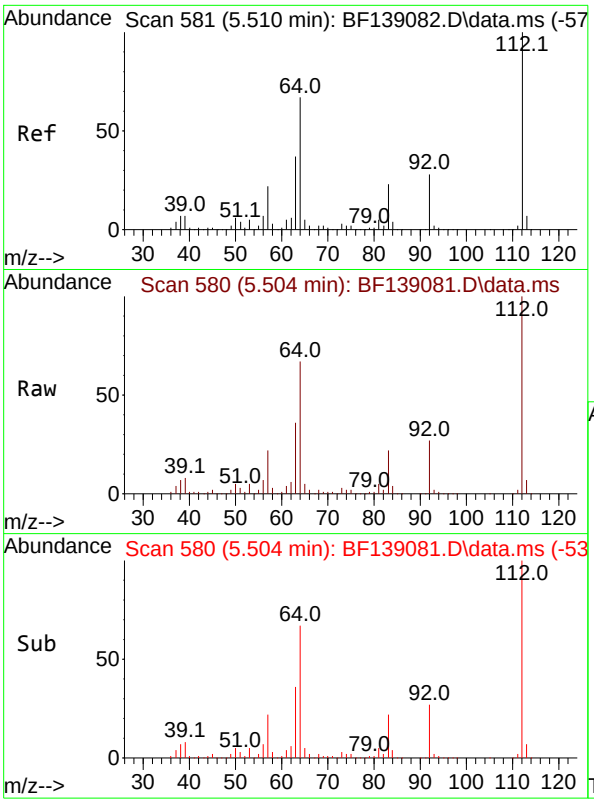


#4
n-Nitrosodimethylamine
Concen: 19.197 ng
RT: 3.387 min Scan# 220
Delta R.T. -0.012 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion: 42 Resp: 93802

Ion	Ratio	Lower	Upper
42	100		
74	110.9	88.2	132.2
44	7.8	5.4	8.0



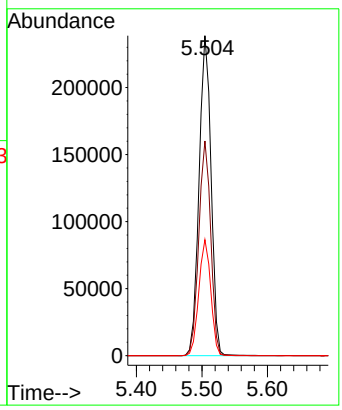


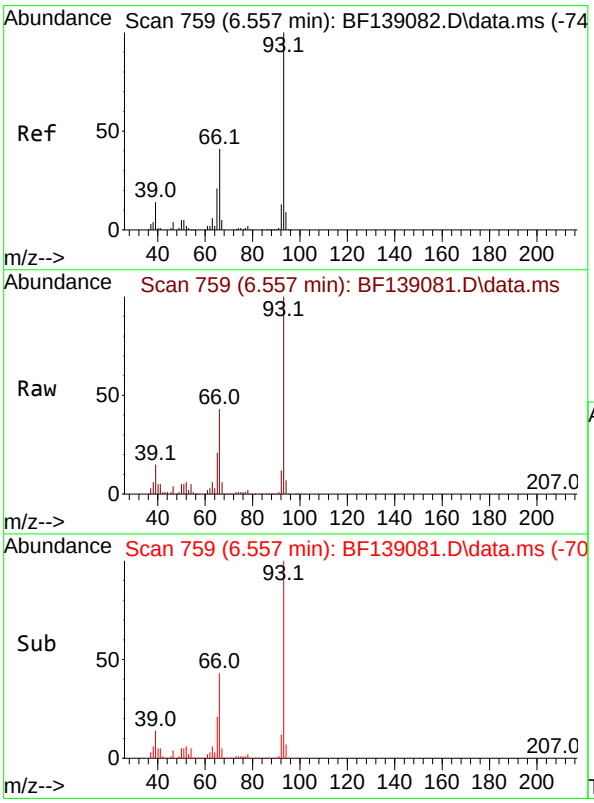
#5
2-Fluorophenol
Concen: 41.067 ng
RT: 5.504 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 304769

Ion	Ratio	Lower	Upper
112	100		
64	67.1	53.8	80.6
63	36.2	29.4	44.2

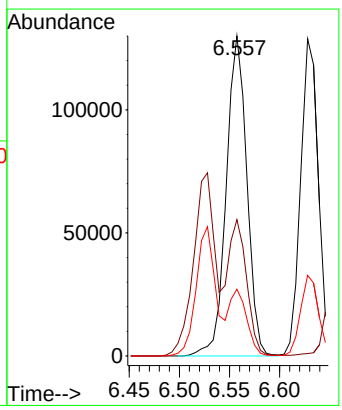


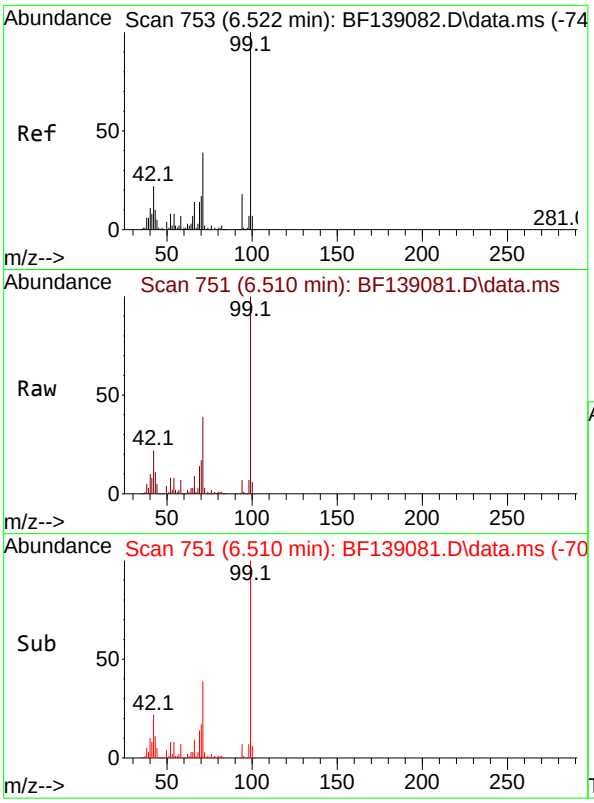


#6
Aniline
Concen: 21.451 ng
RT: 6.557 min Scan# 759
Delta R.T. 0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion: 93 Resp: 185690

Ion	Ratio	Lower	Upper
93	100		
66	42.6	35.1	52.7
65	20.9	17.4	26.2



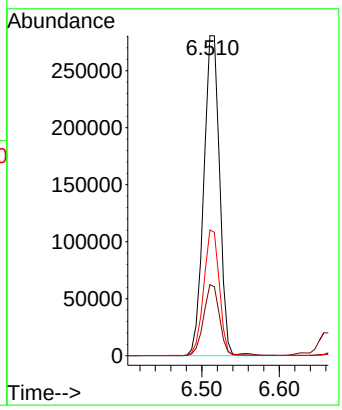


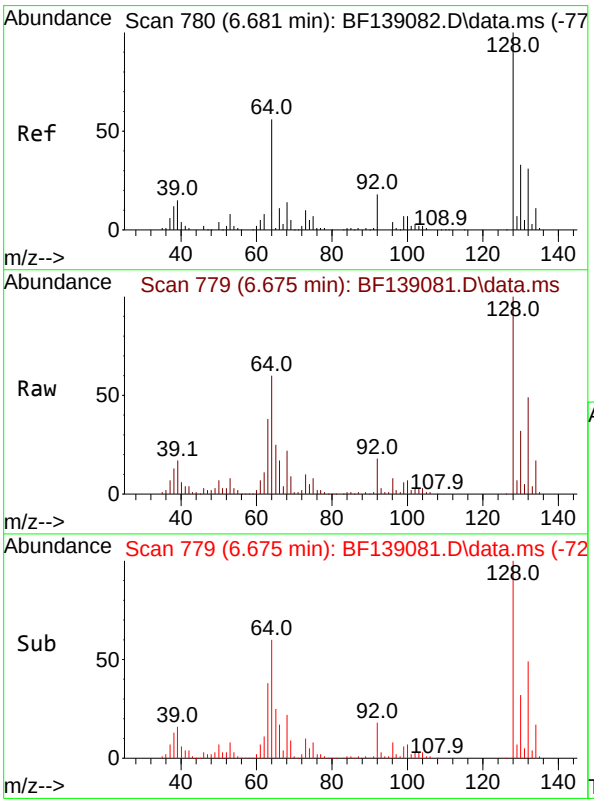
#7
Phenol-d6
Concen: 41.360 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 396605

Ion	Ratio	Lower	Upper
99	100		
42	22.2	17.4	26.2
71	39.3	31.2	46.8

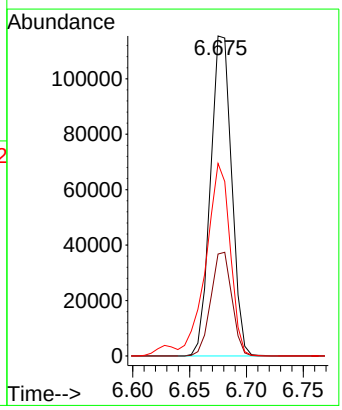


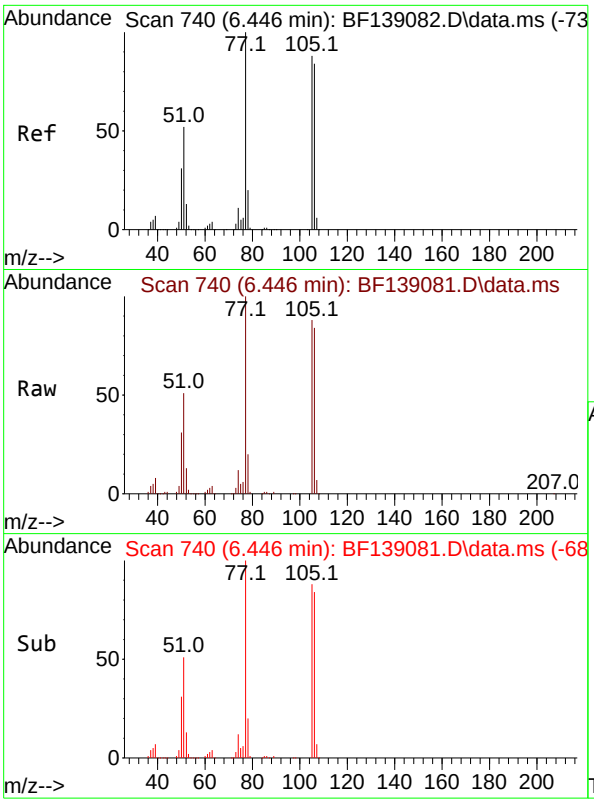


#8
2-Chlorophenol
Concen: 20.933 ng
RT: 6.675 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:128 Resp: 149421

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.6	52.6
64	60.1	39.1	79.1



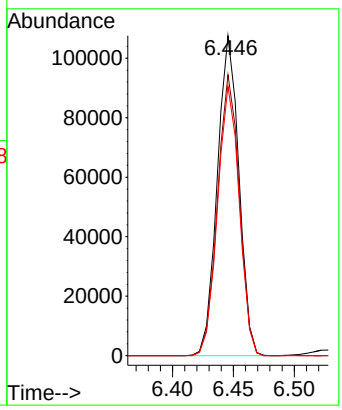


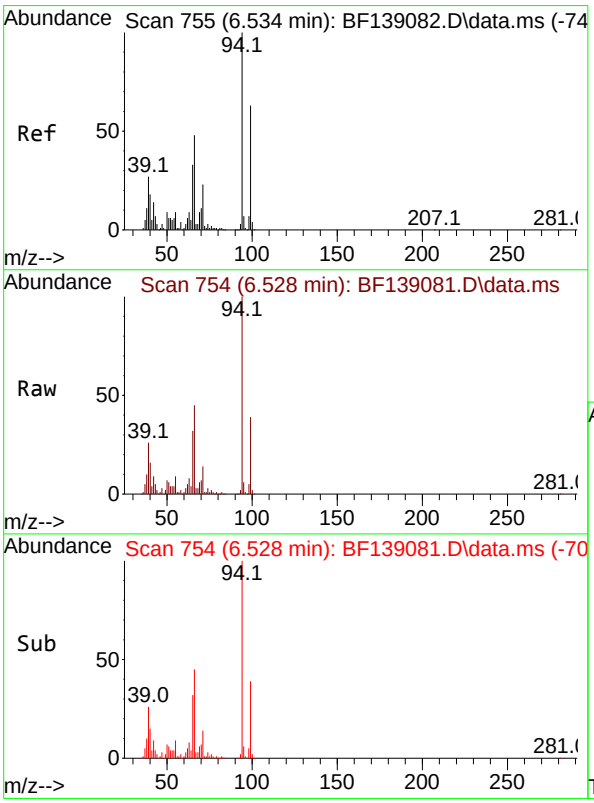
#9
Benzaldehyde
Concen: 23.602 ng
RT: 6.446 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 132737

Ion	Ratio	Lower	Upper
77	100		
105	87.8	68.2	108.2
106	84.2	63.8	103.8

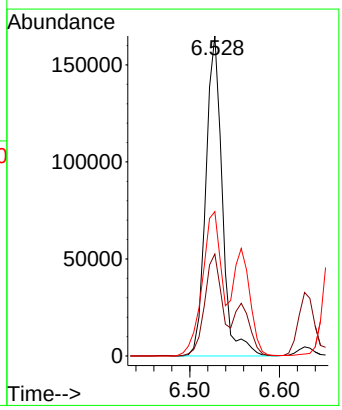


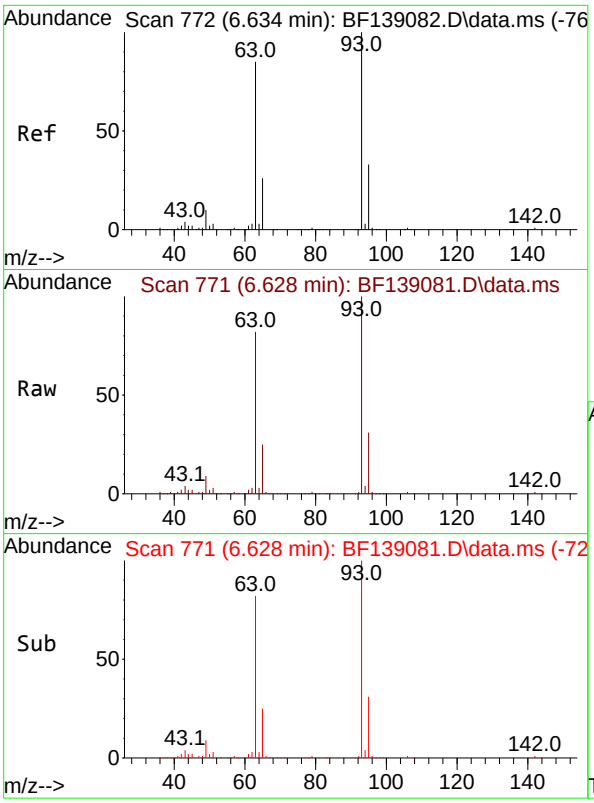


#10
Phenol
Concen: 21.048 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion: 94 Resp: 210003

Ion	Ratio	Lower	Upper
94	100		
65	31.9	13.5	53.5
66	45.1	28.5	68.5



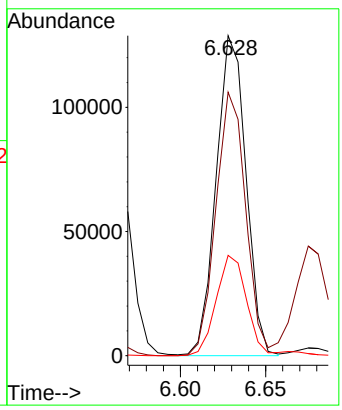


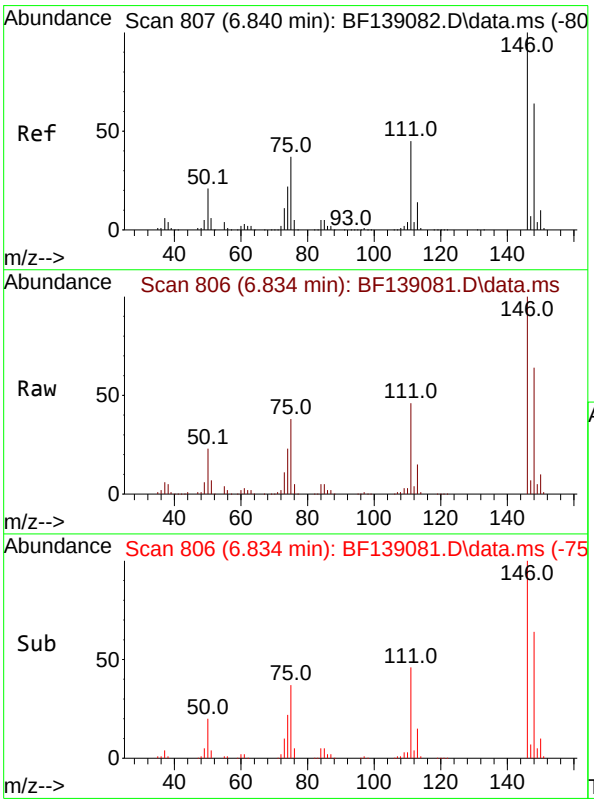
#11
bis(2-Chloroethyl)ether
Concen: 19.628 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 156895

Ion	Ratio	Lower	Upper
93	100		
63	82.3	62.7	102.7
95	31.3	11.9	51.9

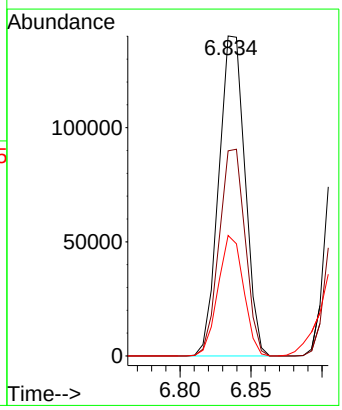


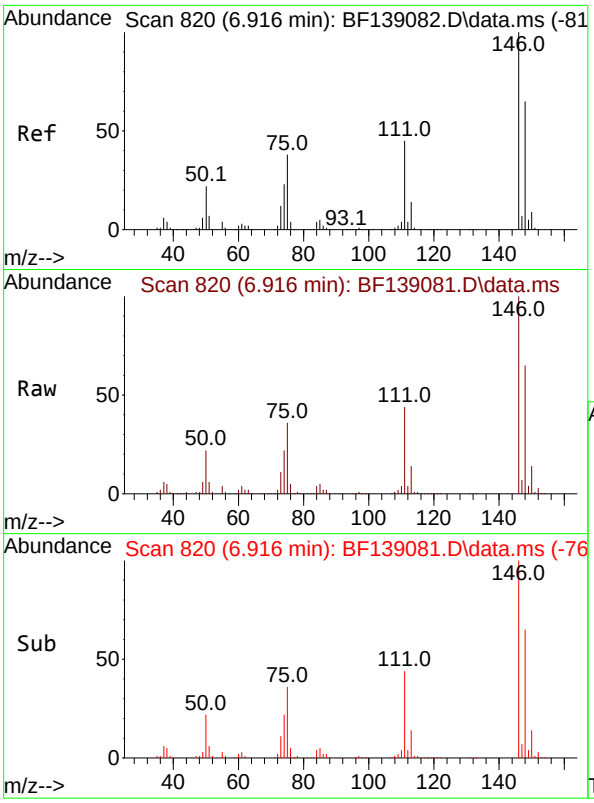


#12
1,3-Dichlorobenzene
Concen: 20.969 ng
RT: 6.834 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:146 Resp: 179960

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.2	76.8
75	37.7	29.9	44.9



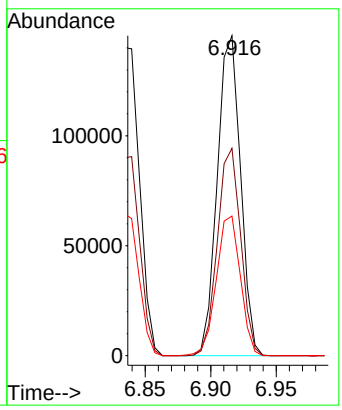


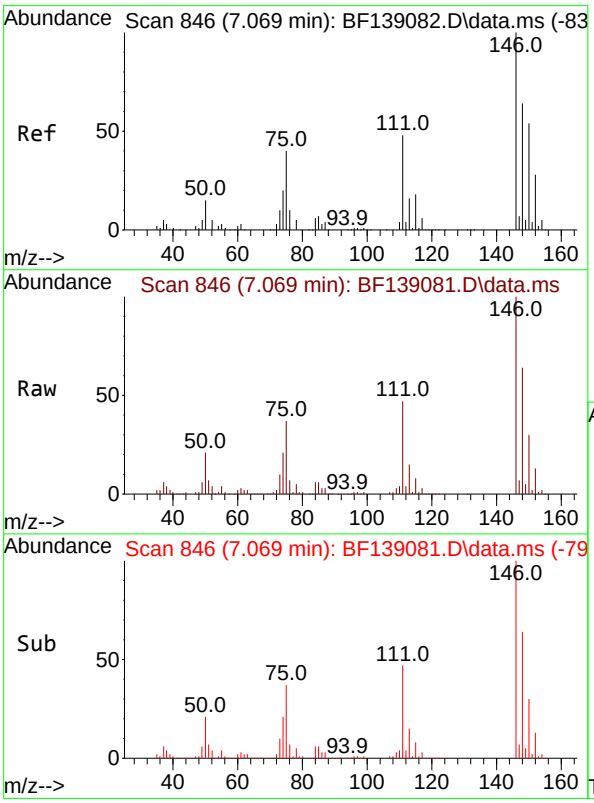
#13
1,4-Dichlorobenzene
Concen: 20.919 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 179504

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
111	43.6	35.8	53.6

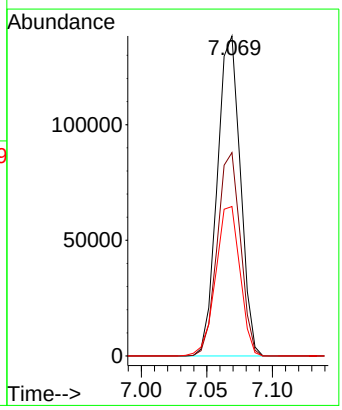


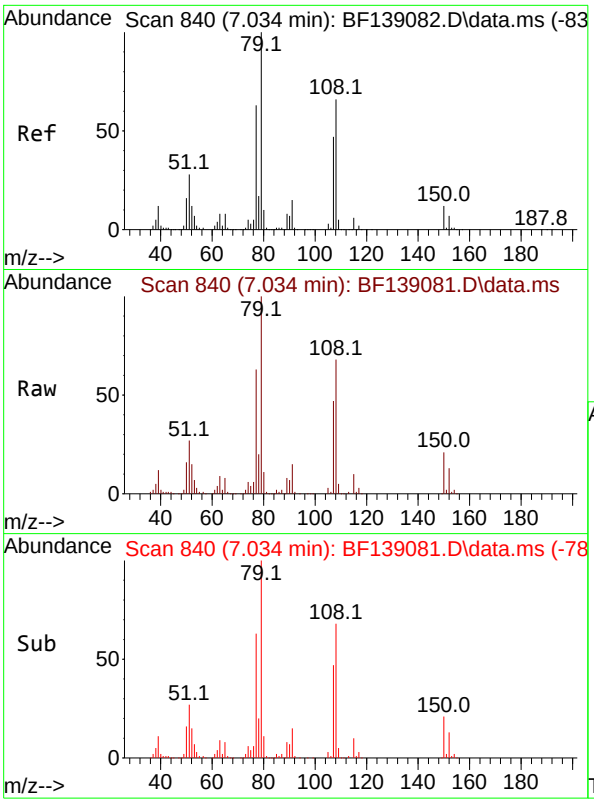


#14
1,2-Dichlorobenzene
Concen: 21.585 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:146 Resp: 169278

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.4	77.2
111	46.7	38.1	57.1



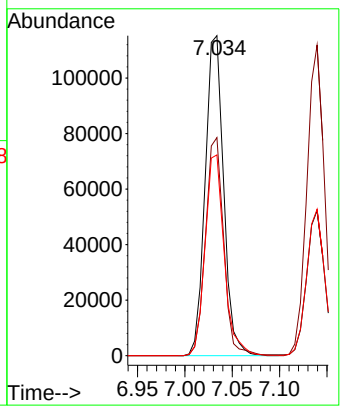


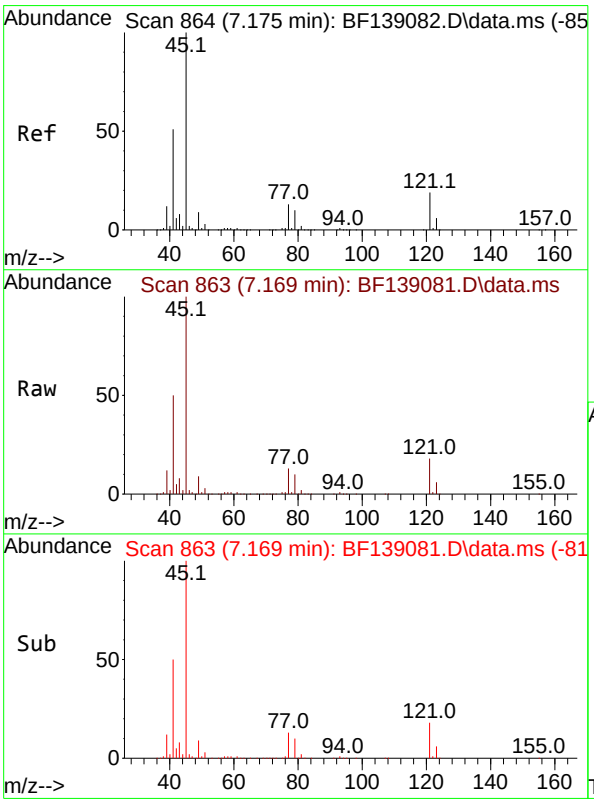
#15
Benzyl Alcohol
Concen: 20.582 ng
RT: 7.034 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 155989

Ion	Ratio	Lower	Upper
79	100		
108	68.2	52.8	79.2
77	62.7	50.6	76.0

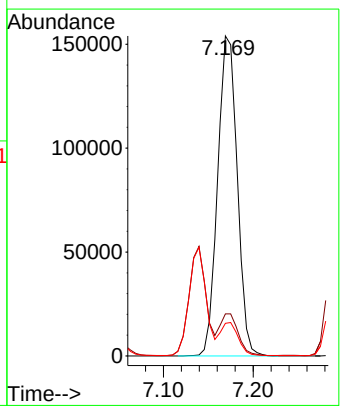


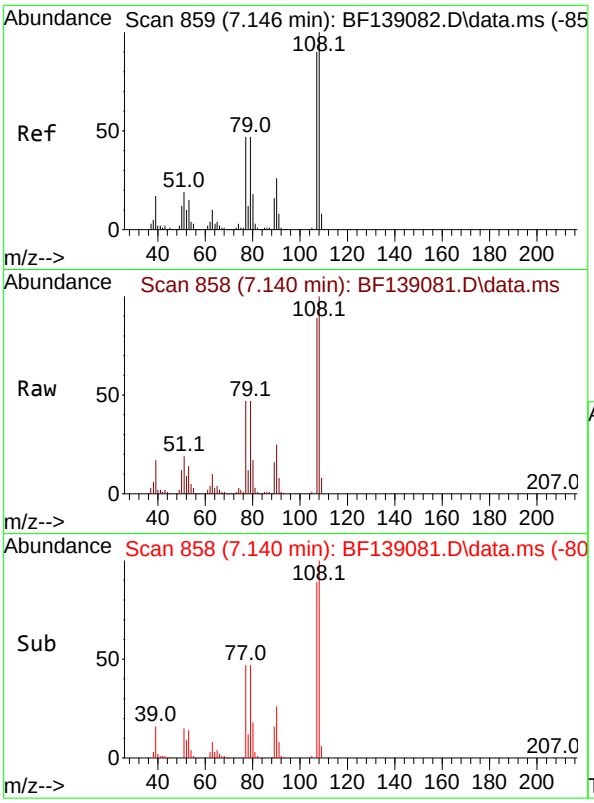


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.637 ng
RT: 7.169 min Scan# 863
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion: 45 Resp: 233253

Ion	Ratio	Lower	Upper
45	100		
77	13.2	0.0	33.7
79	10.2	0.0	30.4



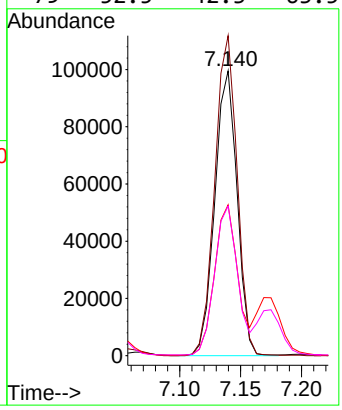


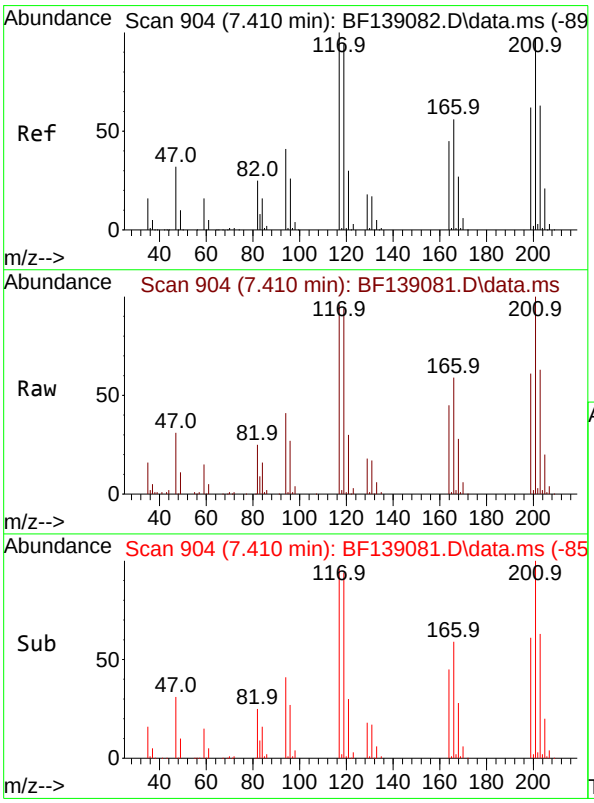
#17
2-Methylphenol
Concen: 20.831 ng
RT: 7.140 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 127205

Ion	Ratio	Lower	Upper
107	100		
108	112.4	89.1	133.7
77	53.0	42.1	63.1
79	52.5	42.3	63.5

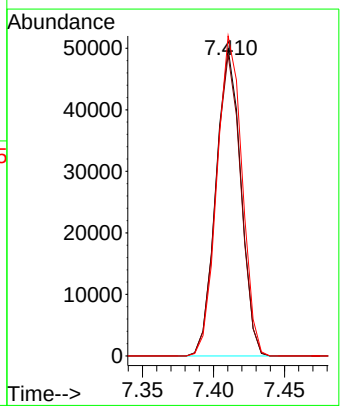


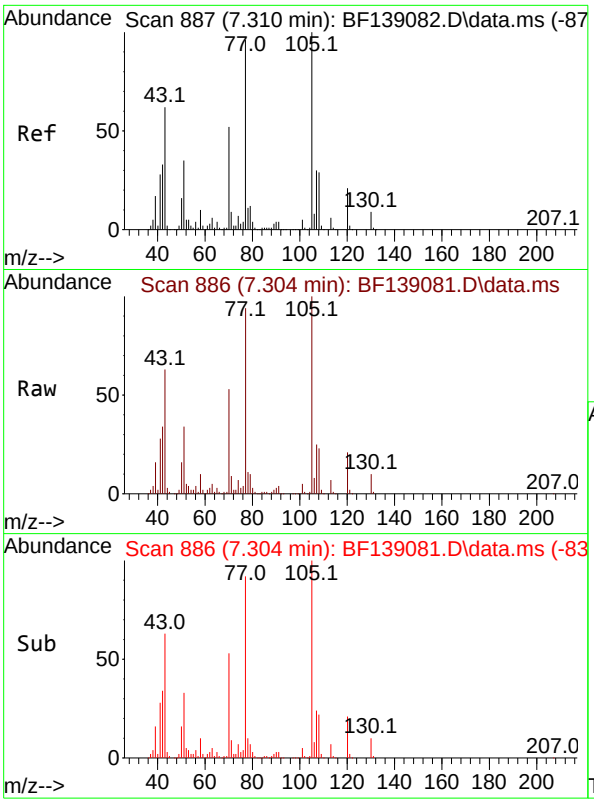


#18
Hexachloroethane
Concen: 20.192 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:117 Resp: 60756

Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.5	113.3
201	104.0	77.8	116.8



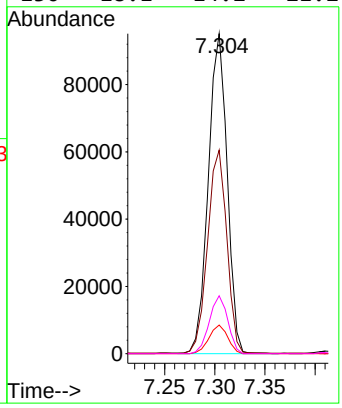


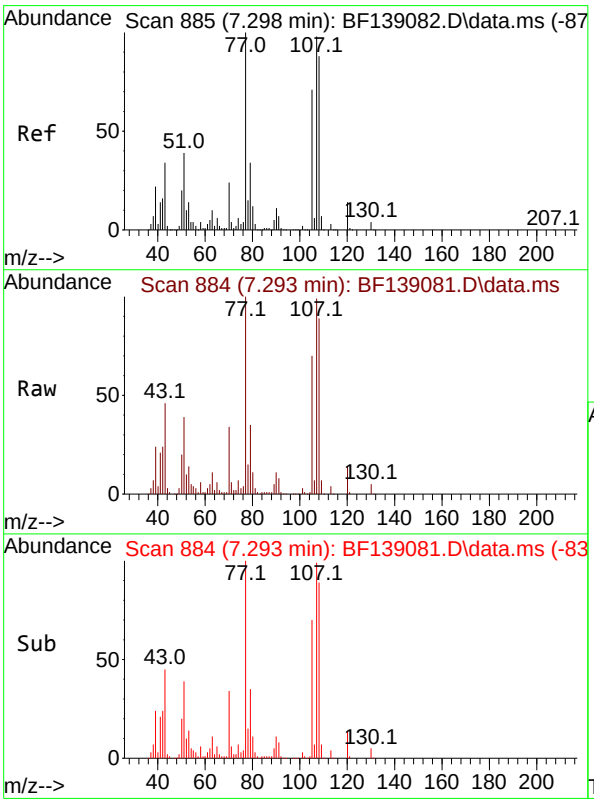
#19
n-Nitroso-di-n-propylamine
Concen: 19.738 ng
RT: 7.304 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 124292

Ion	Ratio	Lower	Upper
70	100		
42	63.6	50.5	75.7
101	9.0	7.2	10.8
130	18.1	14.2	21.2

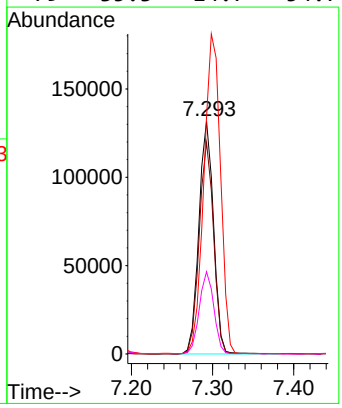


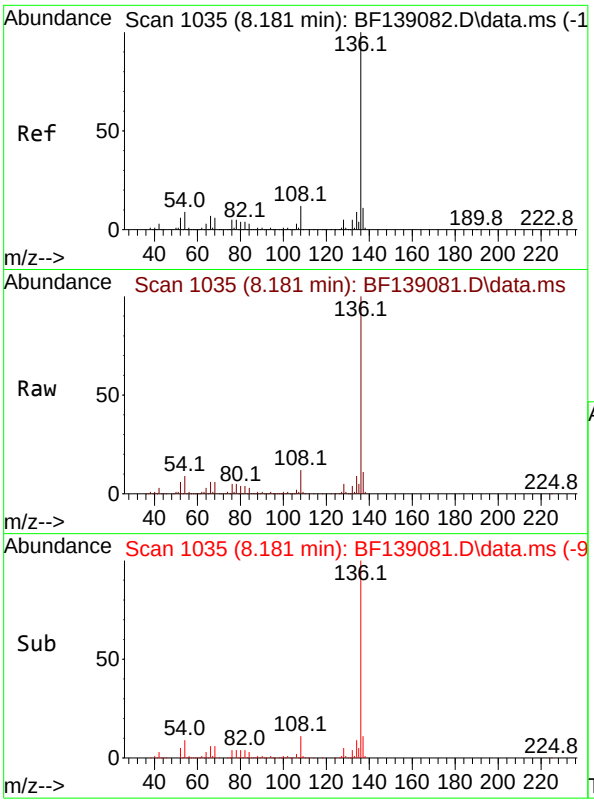


#20
3+4-Methylphenols
Concen: 20.870 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:107 Resp: 165120

Ion	Ratio	Lower	Upper
107	100		
108	90.8	70.2	110.2
77	101.5	82.7	122.7
79	35.3	14.7	54.7



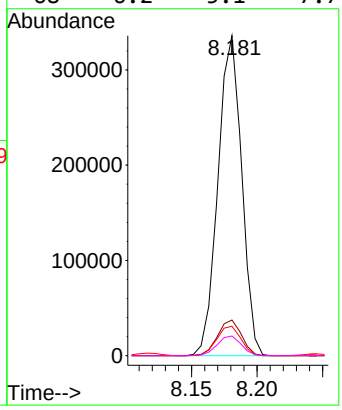


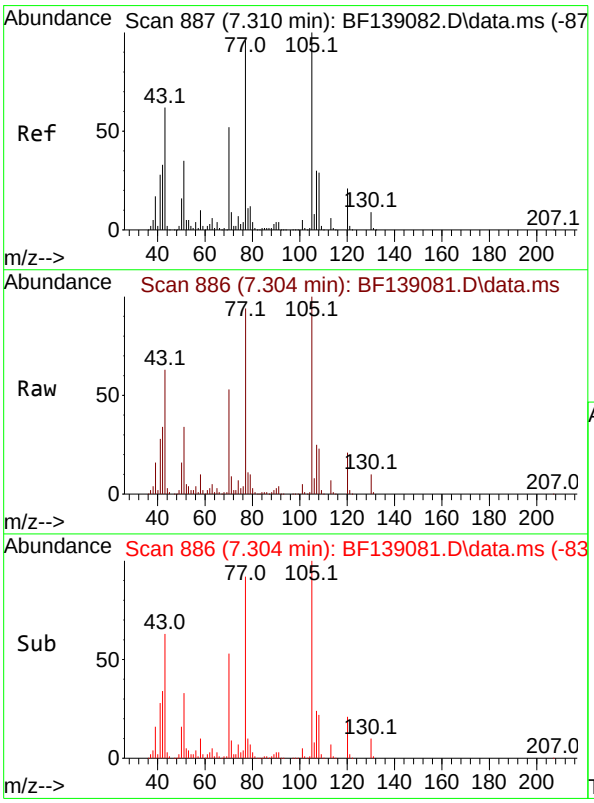
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 422575

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	9.2	7.6	11.4
68	6.2	5.1	7.7

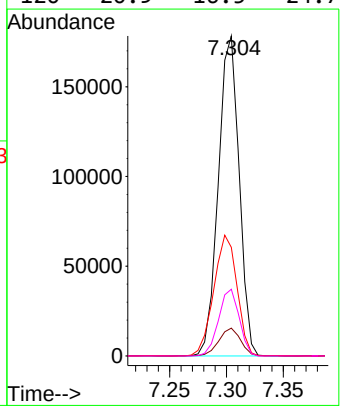


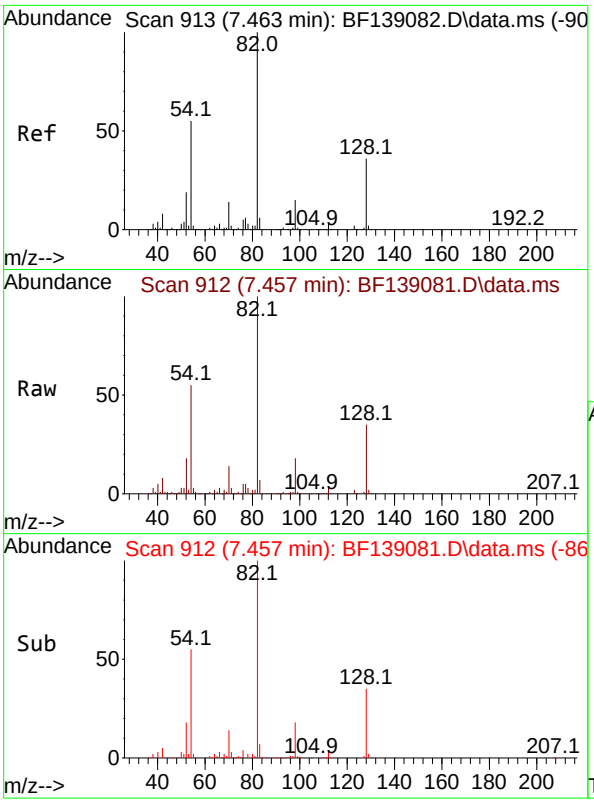


#22
Acetophenone
Concen: 21.074 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:105 Resp: 227379

Ion	Ratio	Lower	Upper
105	100		
71	8.7	7.0	10.6
51	33.9	28.0	42.0
120	20.9	16.5	24.7



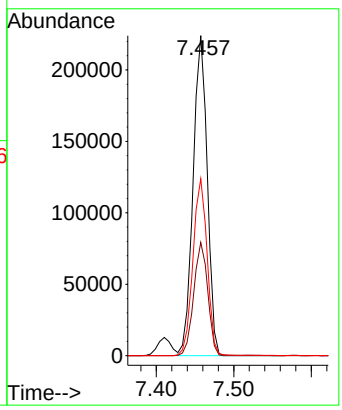


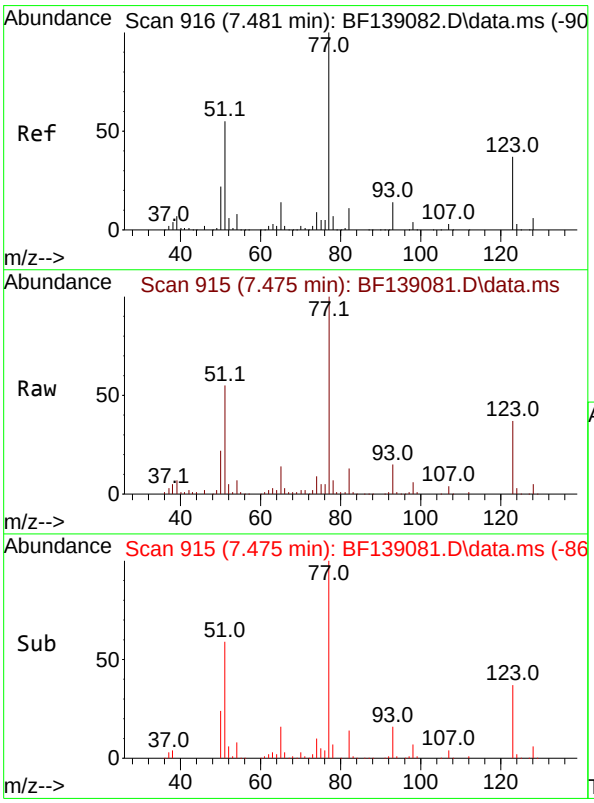
#23
Nitrobenzene-d5
Concen: 39.207 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 284330

Ion	Ratio	Lower	Upper
82	100		
128	35.4	29.0	43.4
54	55.3	43.4	65.2

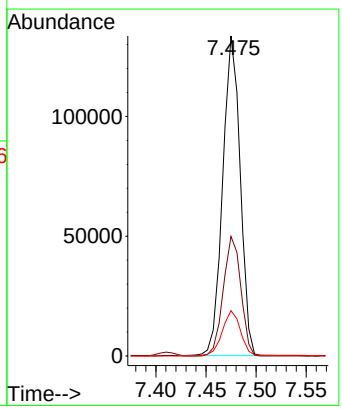


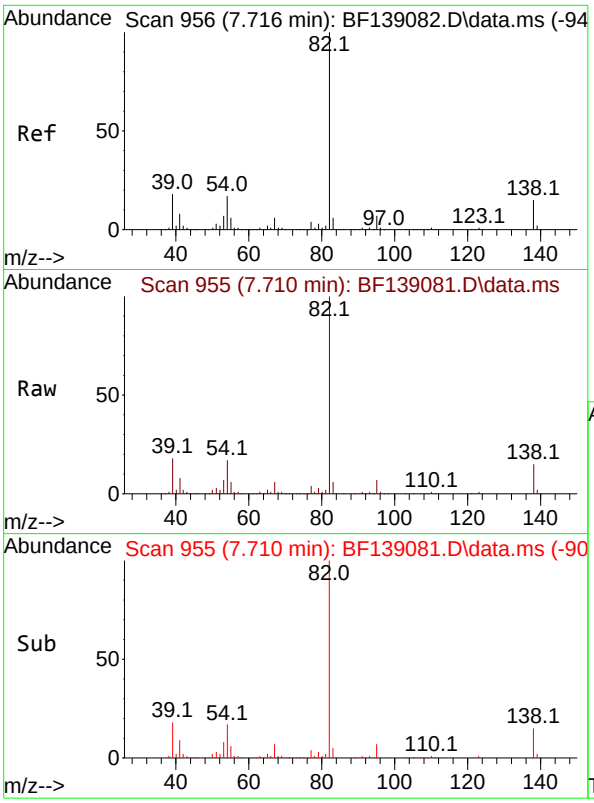


#24
Nitrobenzene
Concen: 20.023 ng
RT: 7.475 min Scan# 915
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion: 77 Resp: 161405

Ion	Ratio	Lower	Upper
77	100		
123	37.4	30.3	45.5
65	14.1	11.3	16.9



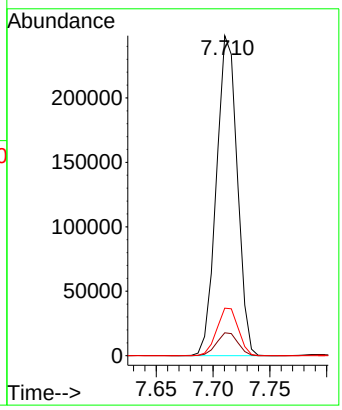


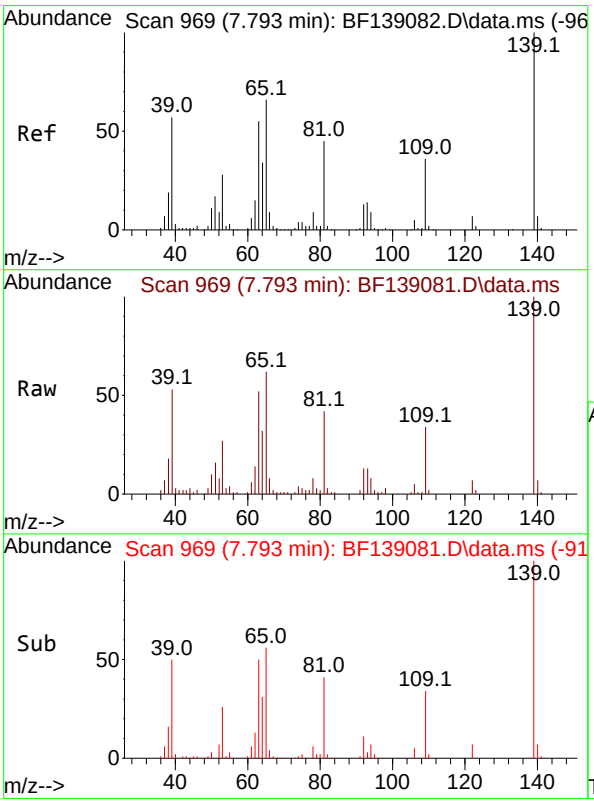
#25
Isophorone
Concen: 20.626 ng
RT: 7.710 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 317928

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.9	8.9
138	14.8	11.8	17.8

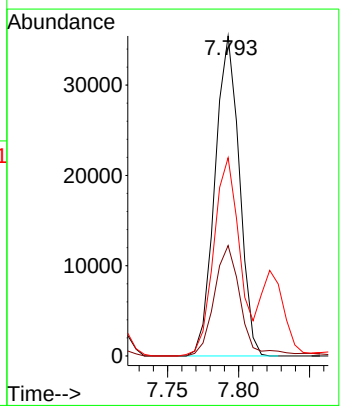


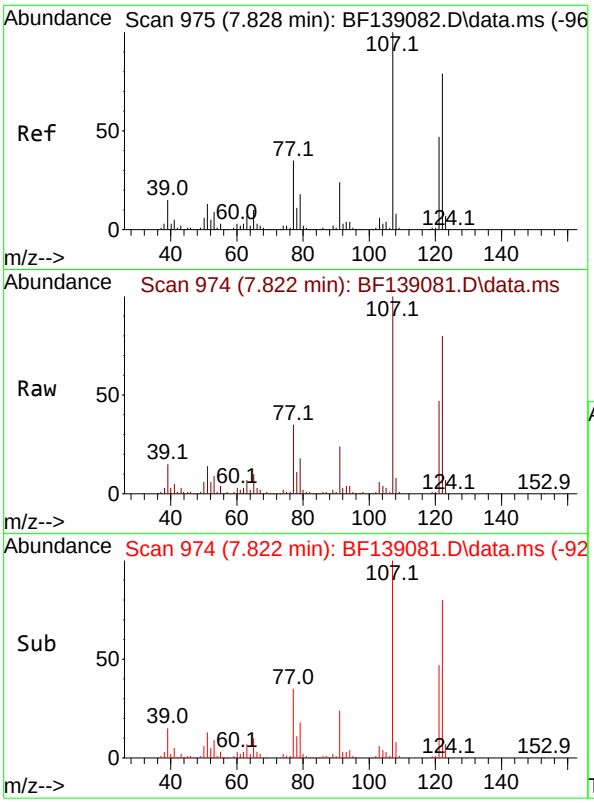


#26
2-Nitrophenol
Concen: 18.897 ng
RT: 7.793 min Scan# 969
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:139 Resp: 42329

Ion	Ratio	Lower	Upper
139	100		
109	34.5	29.2	43.8
65	61.9	52.7	79.1



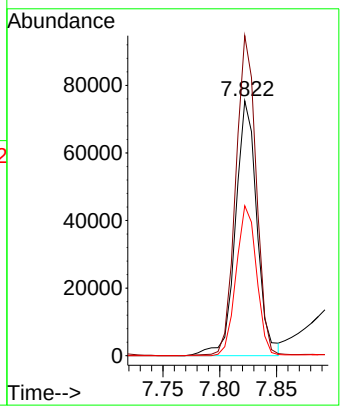


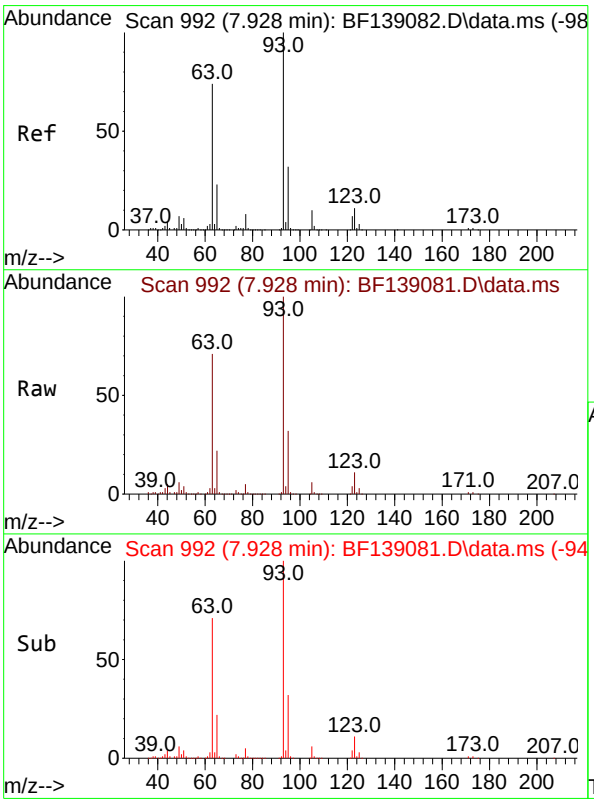
#27
2,4-Dimethylphenol
Concen: 20.245 ng
RT: 7.822 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 98954

Ion	Ratio	Lower	Upper
122	100		
107	125.6	101.1	151.7
121	58.8	47.5	71.3

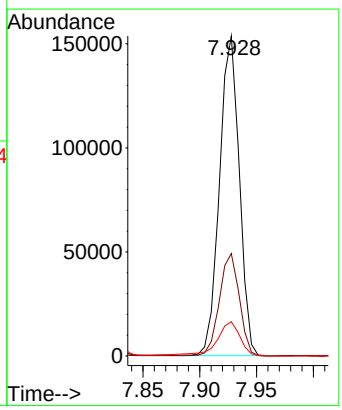


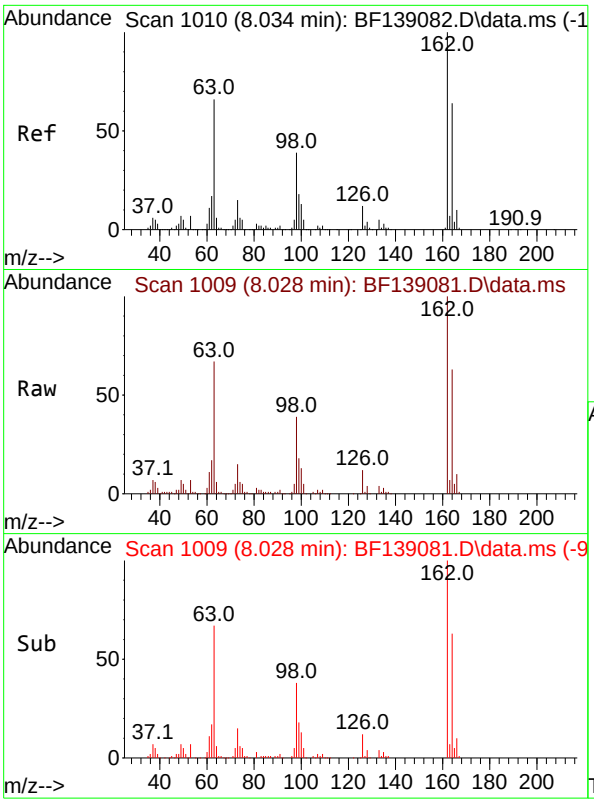


#28
bis(2-Chloroethoxy)methane
Concen: 20.655 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion: 93 Resp: 186031

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.8	38.8
123	10.7	8.9	13.3



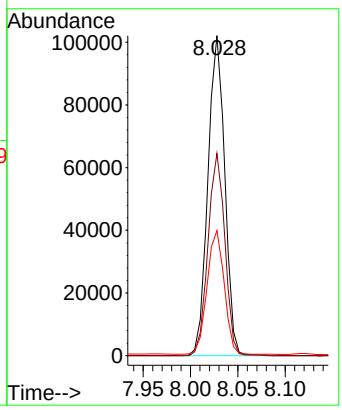


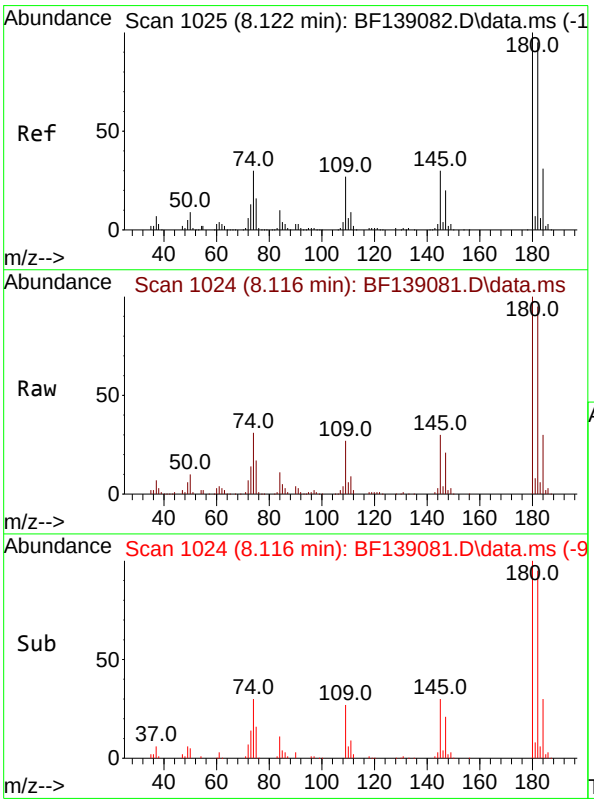
#29
2,4-Dichlorophenol
Concen: 20.759 ng
RT: 8.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 126408

Ion	Ratio	Lower	Upper
162	100		
164	63.2	43.9	83.9
98	39.1	19.7	59.7

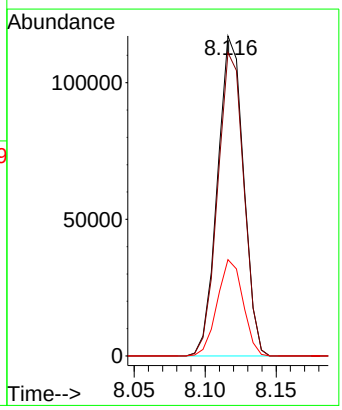


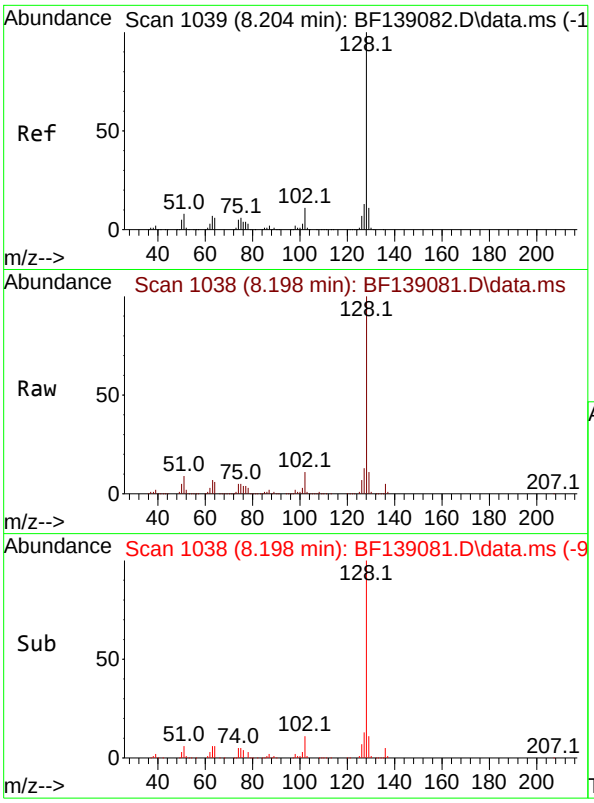


#30
1,2,4-Trichlorobenzene
Concen: 20.852 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:180 Resp: 148682

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.1	114.1
145	30.1	23.9	35.9



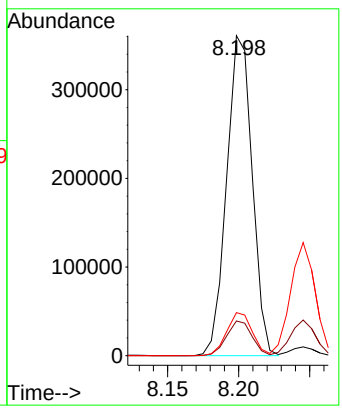


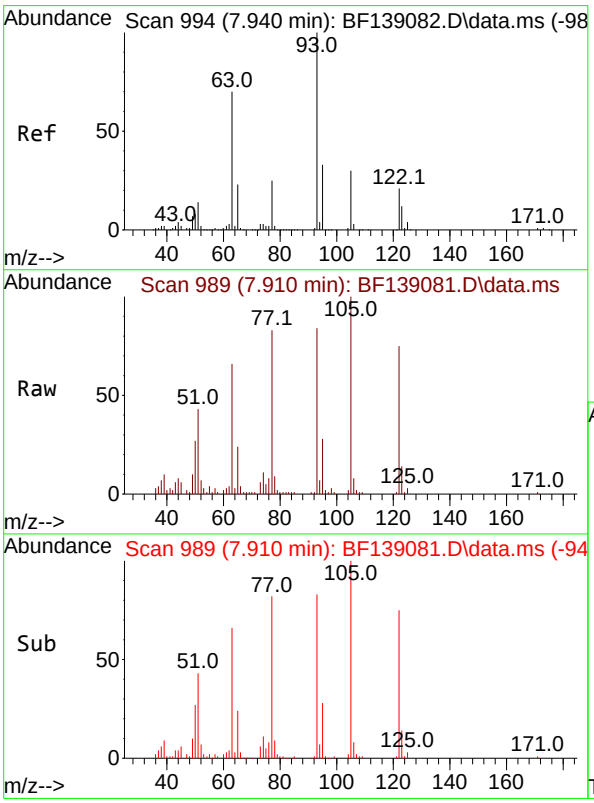
#31
Naphthalene
Concen: 21.125 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 452369

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.4	10.7	16.1

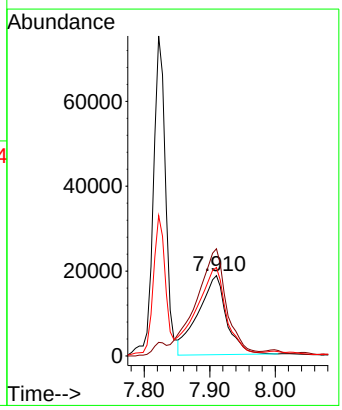


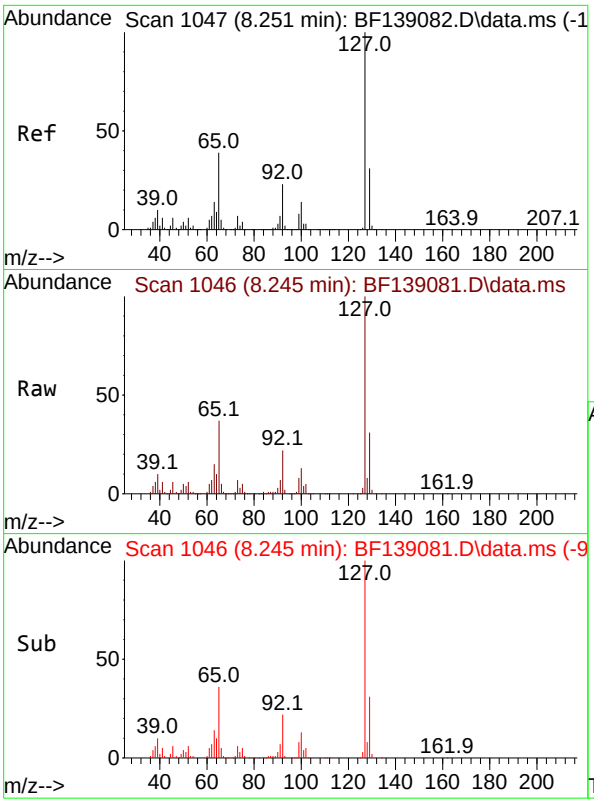


#32
Benzoic acid
Concen: 19.885 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.030 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:122 Resp: 56067

Ion	Ratio	Lower	Upper
122	100		
105	133.3	119.6	159.6
77	110.0	97.6	137.6



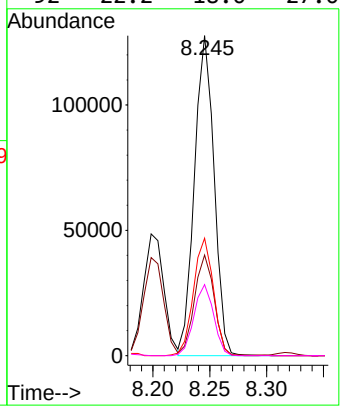


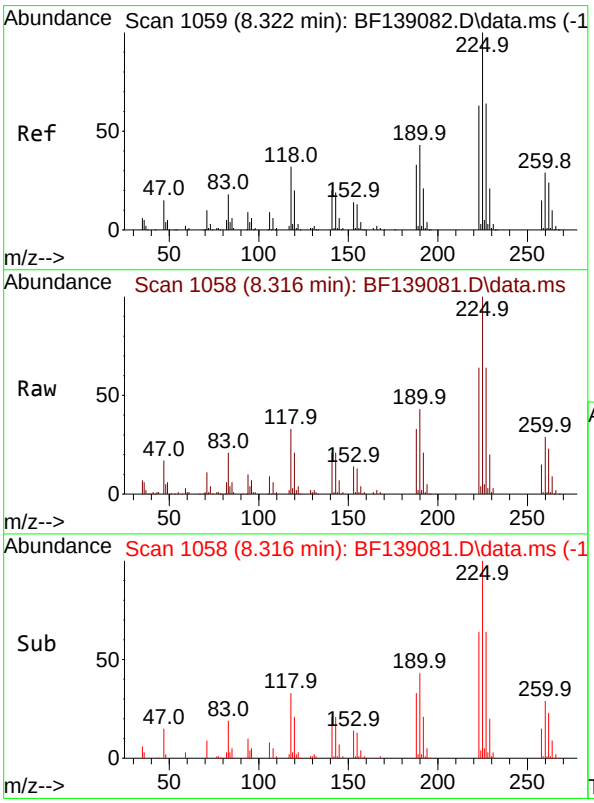
#33
4-Chloroaniline
Concen: 20.929 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 153489

Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.0	39.0
65	36.7	30.3	45.5
92	22.2	18.0	27.0

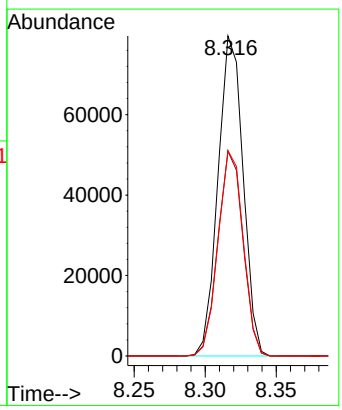


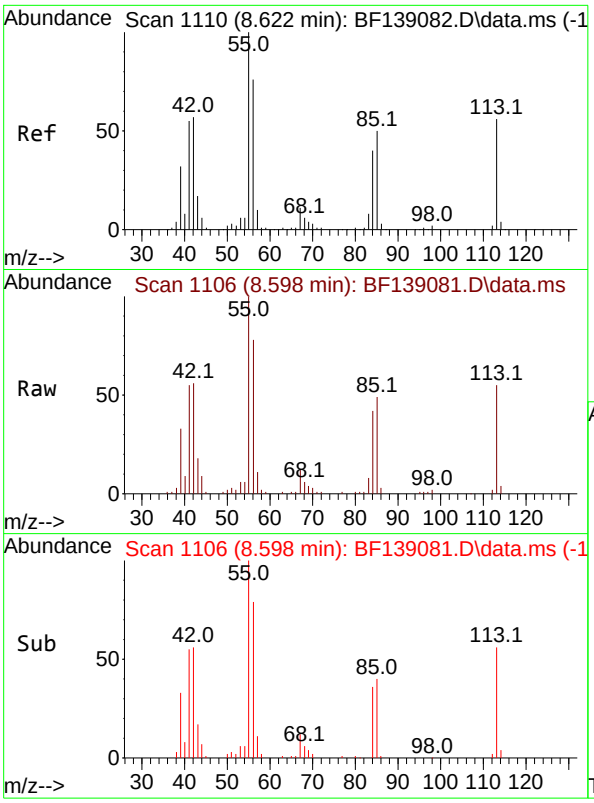


#34
Hexachlorobutadiene
Concen: 20.993 ng
RT: 8.316 min Scan# 1058
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:225 Resp: 97779

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.0	75.0
227	64.2	51.4	77.2



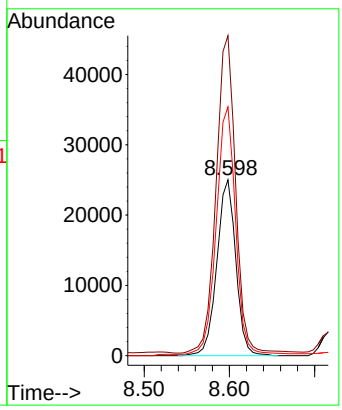


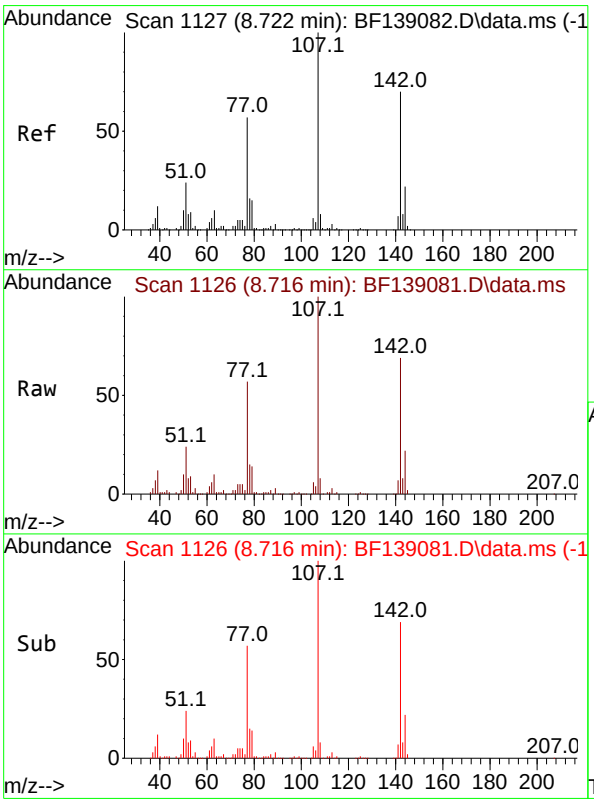
#35
Caprolactam
Concen: 20.038 ng
RT: 8.598 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 38680

Ion	Ratio	Lower	Upper
113	100		
55	182.0	158.6	198.6
56	141.5	115.9	155.9

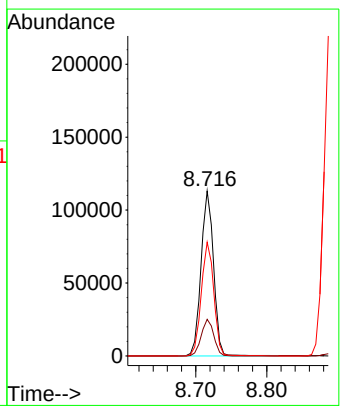


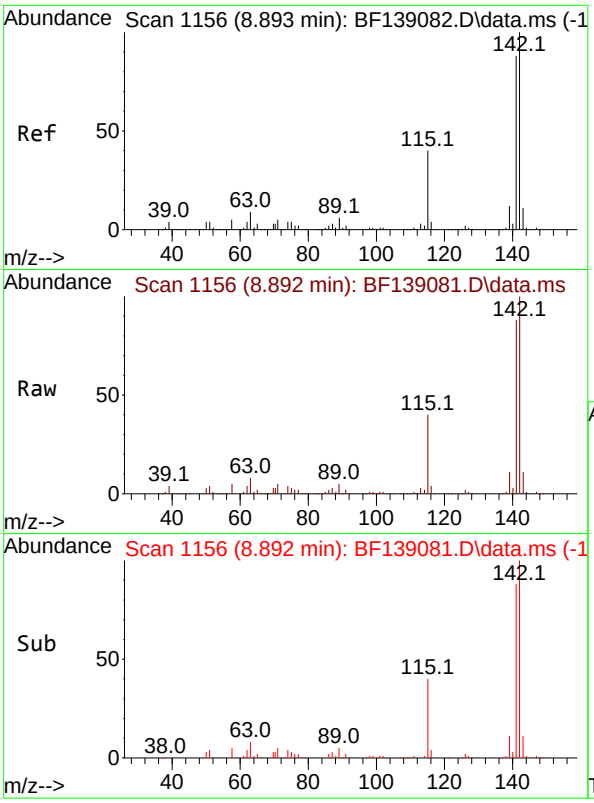


#36
4-Chloro-3-methylphenol
Concen: 20.649 ng
RT: 8.716 min Scan# 1126
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:107 Resp: 139226

Ion	Ratio	Lower	Upper
107	100		
144	22.2	17.7	26.5
142	69.0	55.6	83.4



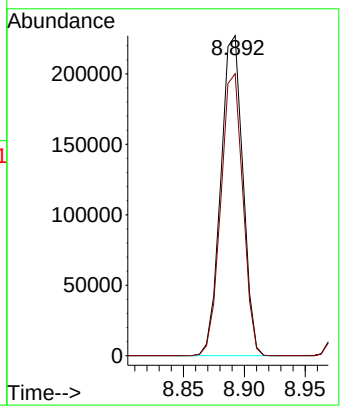


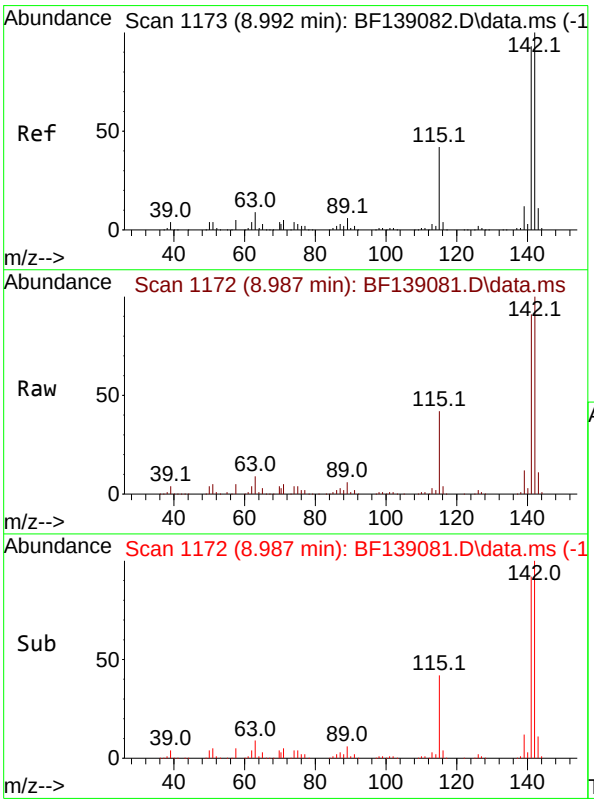
#37
2-Methylnaphthalene
Concen: 20.872 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 286679

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.6	105.8

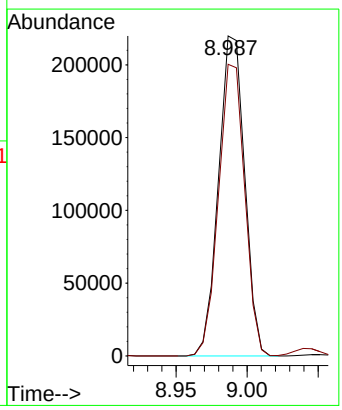


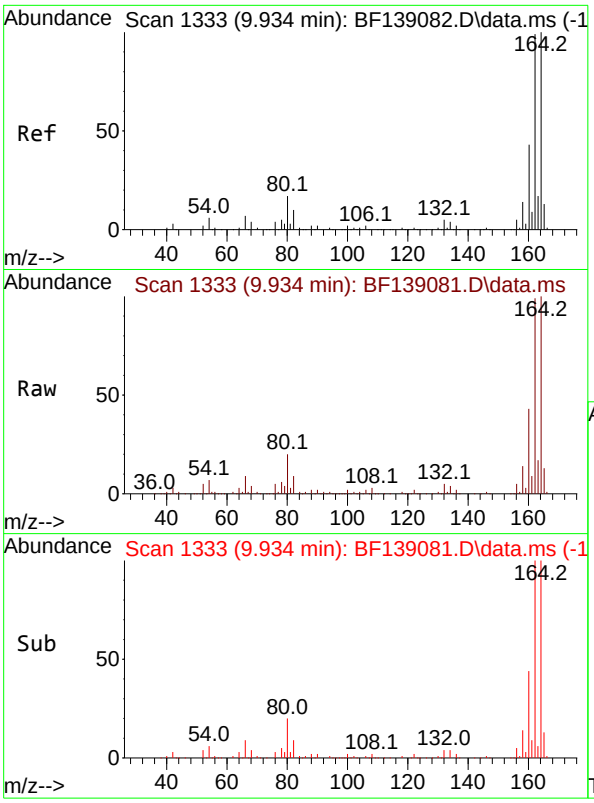


#38
1-Methylnaphthalene
Concen: 21.226 ng
RT: 8.987 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:142 Resp: 281380

Ion	Ratio	Lower	Upper
142	100		
141	91.1	74.1	111.1



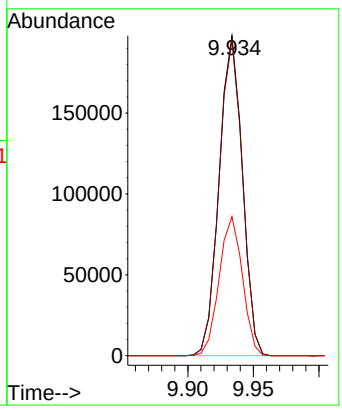


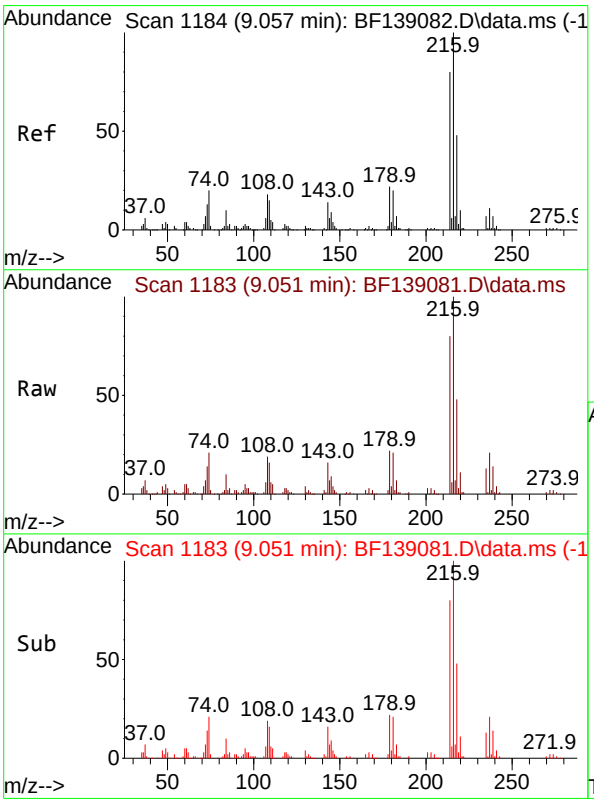
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 244023

Ion	Ratio	Lower	Upper
164	100		
162	98.5	79.5	119.3
160	43.5	34.5	51.7

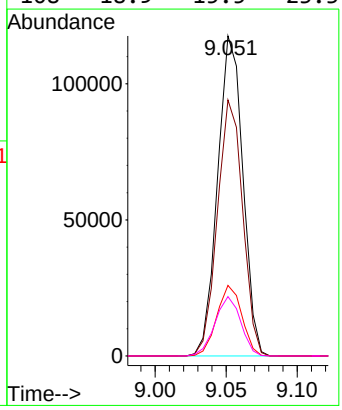


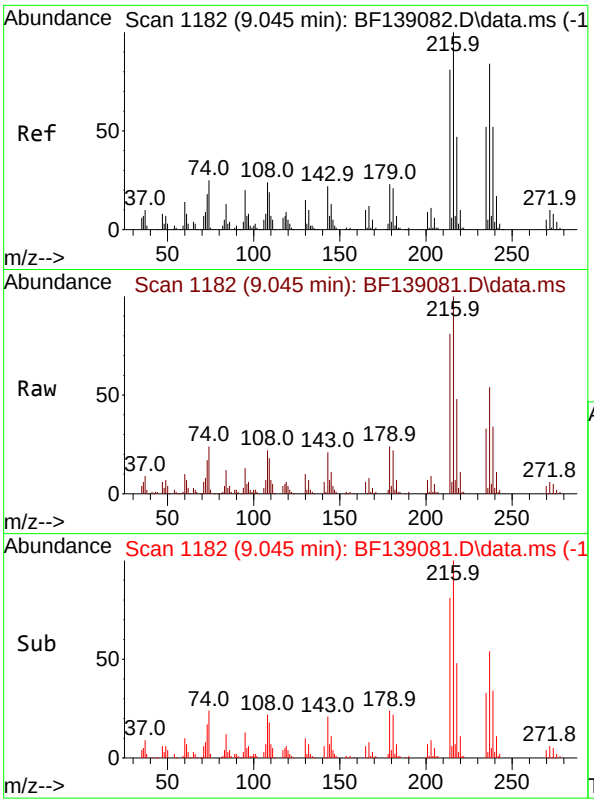


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.223 ng
RT: 9.051 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:216 Resp: 145276

Ion	Ratio	Lower	Upper
216	100		
214	79.9	64.2	96.2
179	21.9	17.4	26.2
108	18.9	15.5	23.3



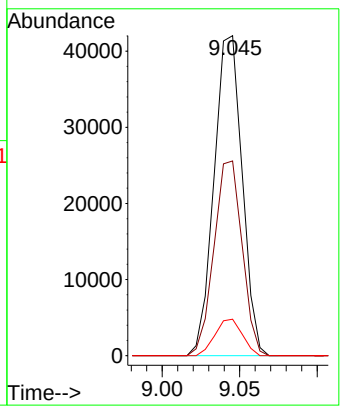


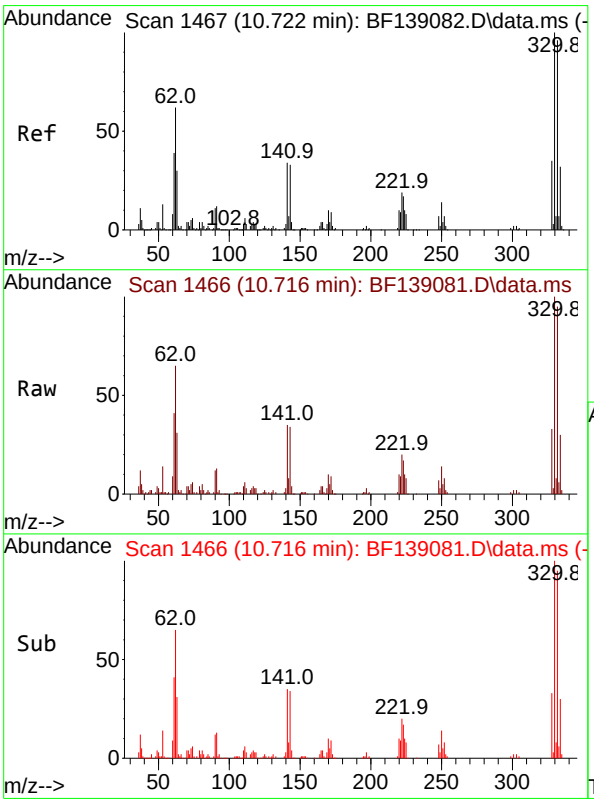
#41
Hexachlorocyclopentadiene
Concen: 20.678 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 53093

Ion	Ratio	Lower	Upper
237	100		
235	60.8	42.5	82.5
272	11.4	0.0	32.0

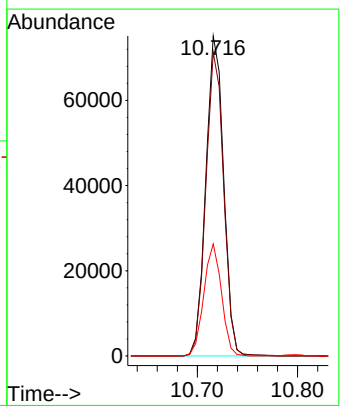


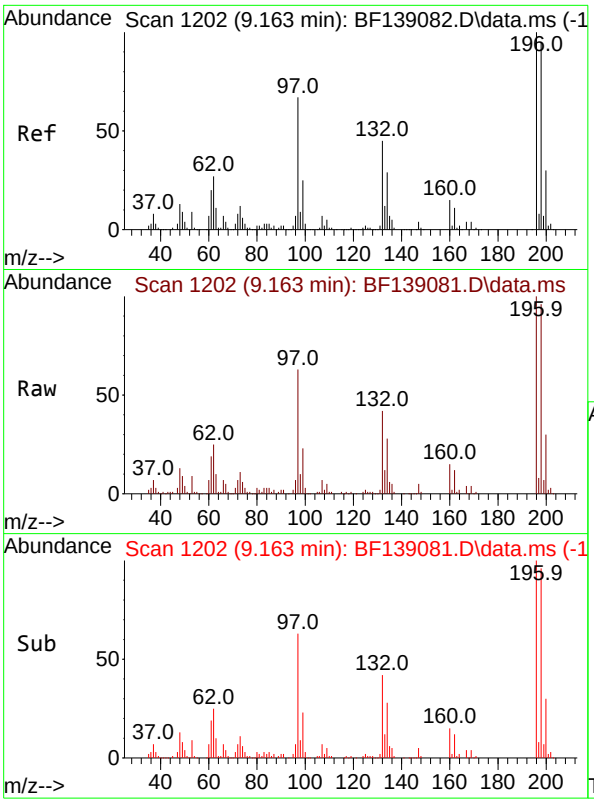


#42
2,4,6-Tribromophenol
Concen: 42.086 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:330 Resp: 92973

Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	34.7	27.5	41.3



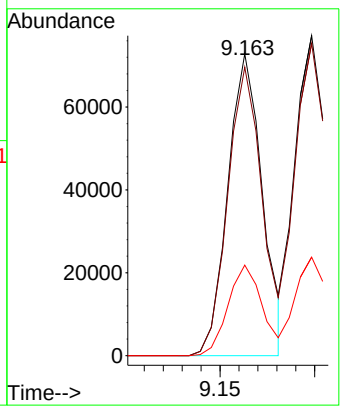


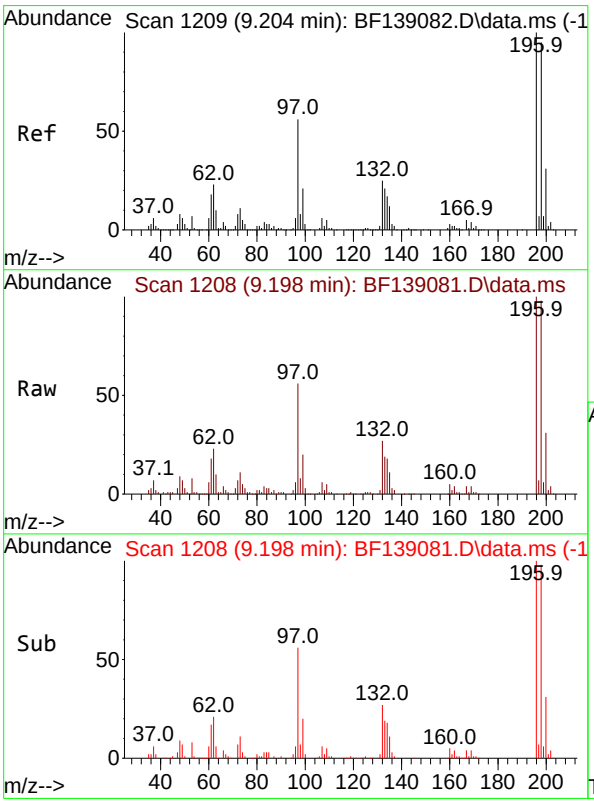
#43
2,4,6-Trichlorophenol
Concen: 20.472 ng
RT: 9.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 92295

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.4	114.6
200	30.0	23.8	35.8

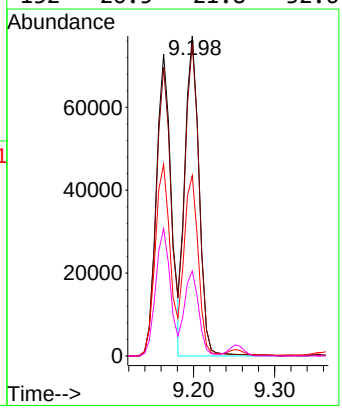


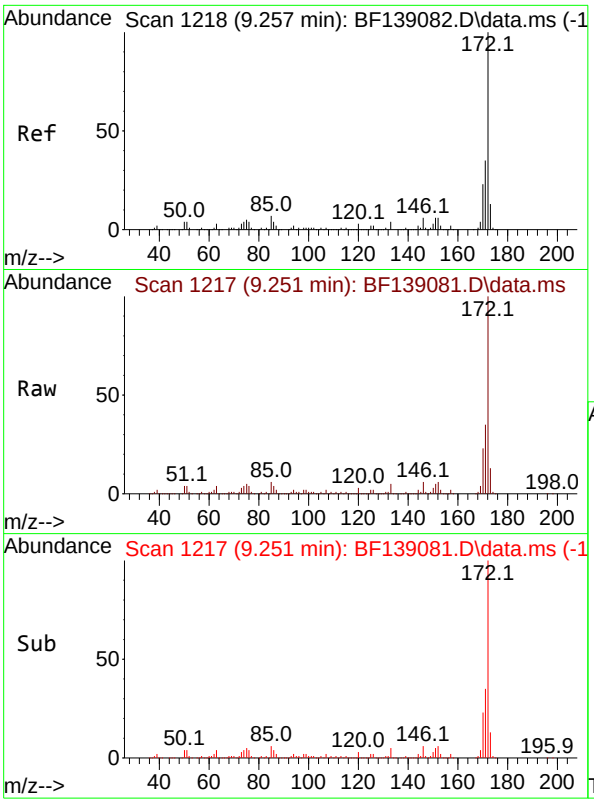


#44
2,4,5-Trichlorophenol
Concen: 20.248 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:196 Resp: 93701

Ion	Ratio	Lower	Upper
196	100		
198	97.6	76.6	114.8
97	56.4	44.6	67.0
132	26.5	21.8	32.6



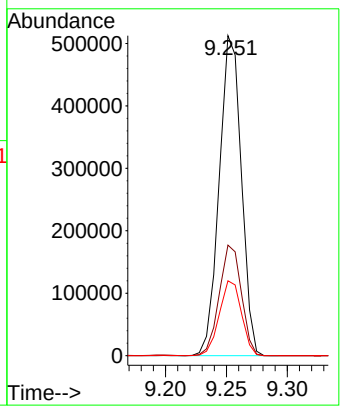


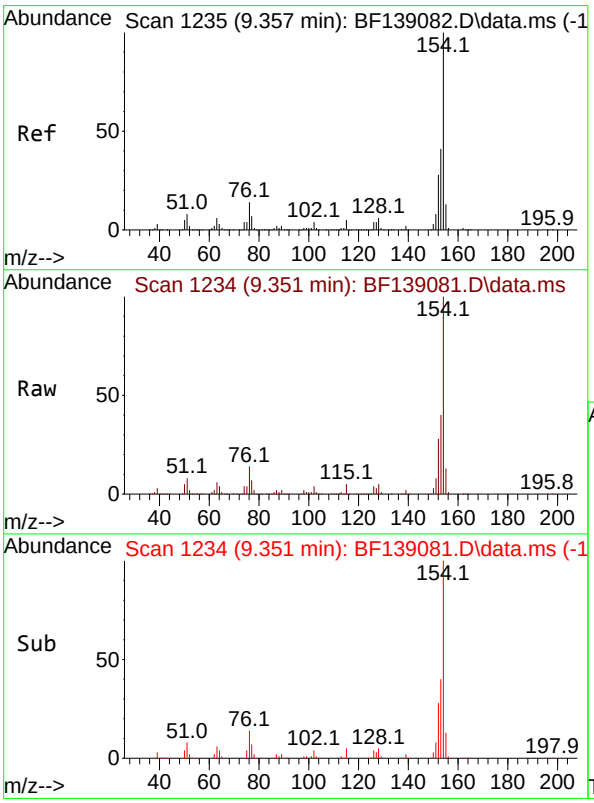
#45
2-Fluorobiphenyl
Concen: 42.087 ng
RT: 9.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 647309

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.4	42.6
170	23.4	18.8	28.2

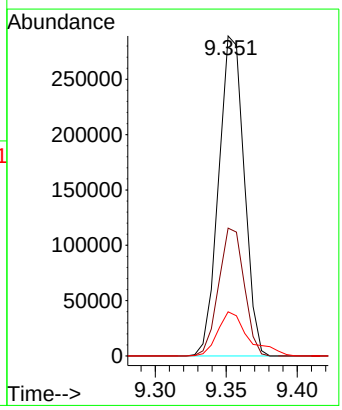


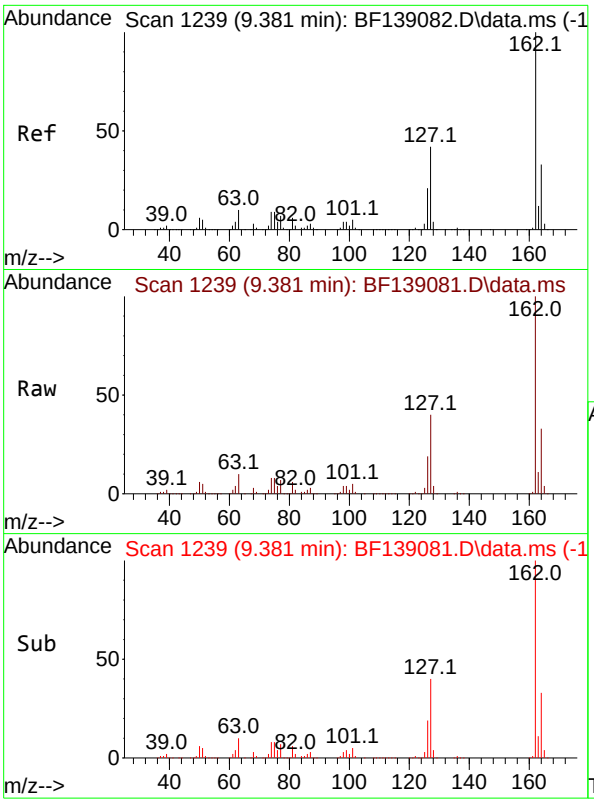


#46
1,1'-Biphenyl
Concen: 21.591 ng
RT: 9.351 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:154 Resp: 360920

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.6	60.6
76	13.8	0.0	33.6



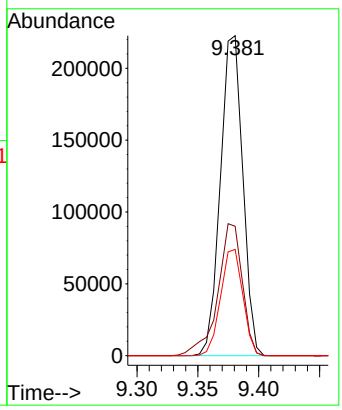


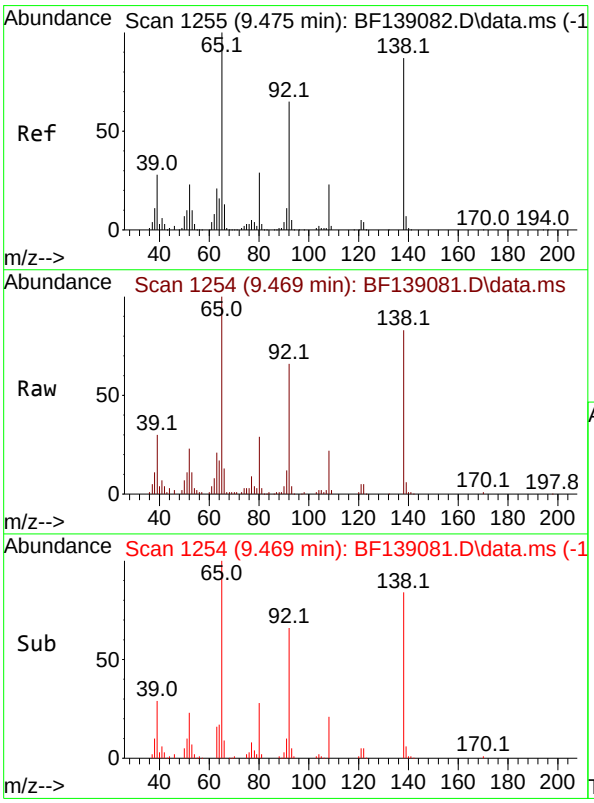
#47
2-Chloronaphthalene
Concen: 21.041 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 285784

Ion	Ratio	Lower	Upper
162	100		
127	40.4	33.8	50.6
164	33.2	26.3	39.5

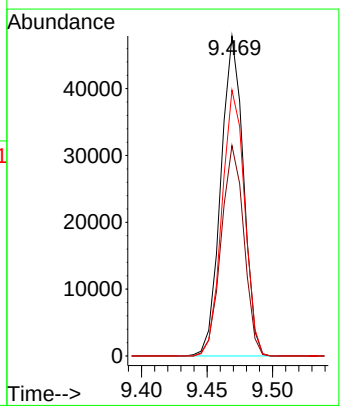


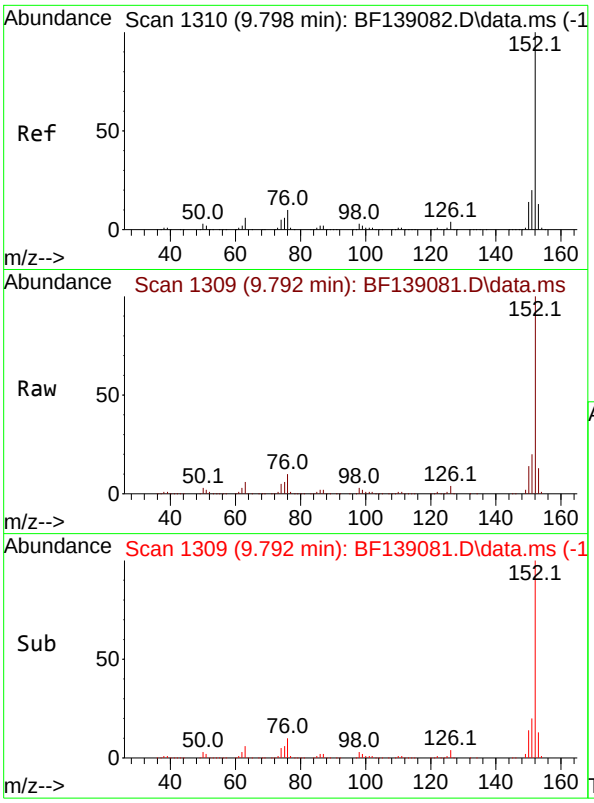


#48
2-Nitroaniline
Concen: 18.629 ng
RT: 9.469 min Scan# 1254
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion: 65 Resp: 57242

Ion	Ratio	Lower	Upper
65	100		
92	65.8	52.4	78.6
138	83.1	69.4	104.0



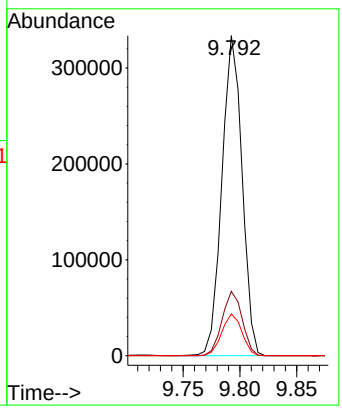


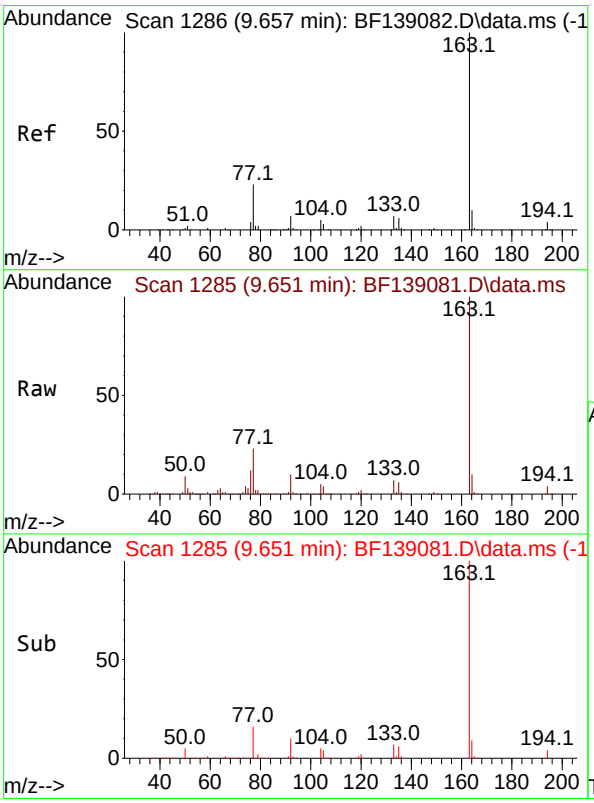
#49
Acenaphthylene
Concen: 21.190 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 412294

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.1	10.6	15.8

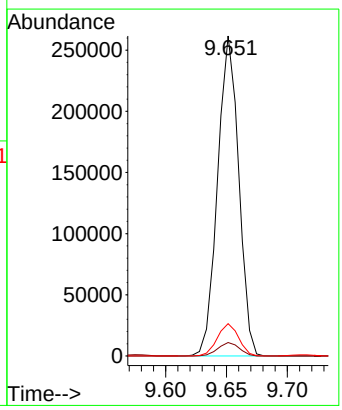


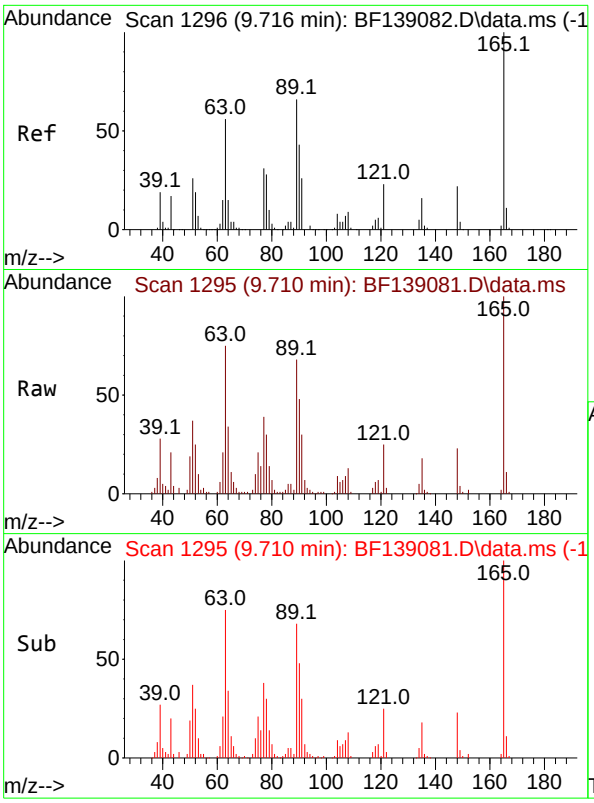


#50
Dimethylphthalate
Concen: 20.968 ng
RT: 9.651 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:163 Resp: 315889

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.1	8.2	12.2



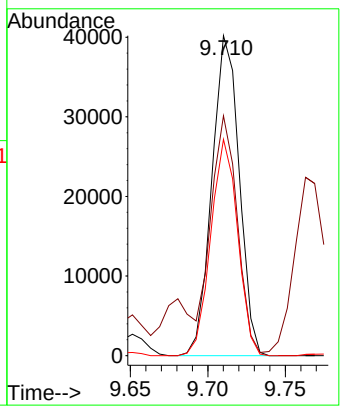


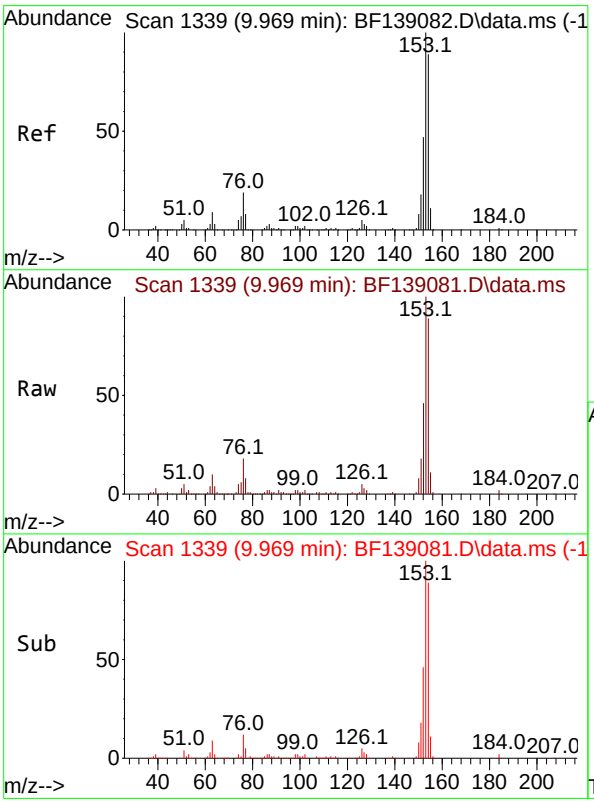
#51
2,6-Dinitrotoluene
Concen: 19.266 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 49197

Ion	Ratio	Lower	Upper
165	100		
63	74.9	58.0	87.0
89	67.6	53.3	79.9

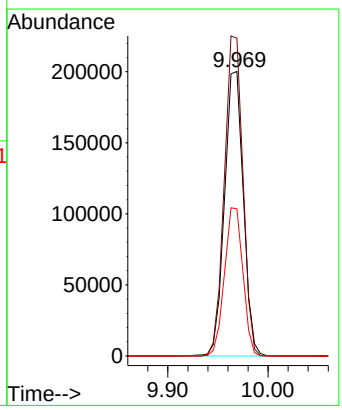


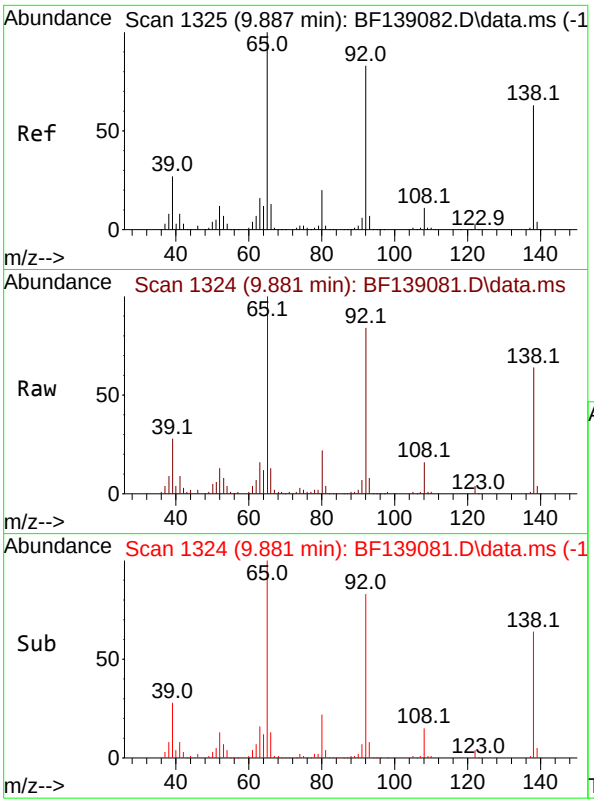


#52
Acenaphthene
Concen: 20.363 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:154 Resp: 261714

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.7	134.5
152	51.8	42.3	63.5



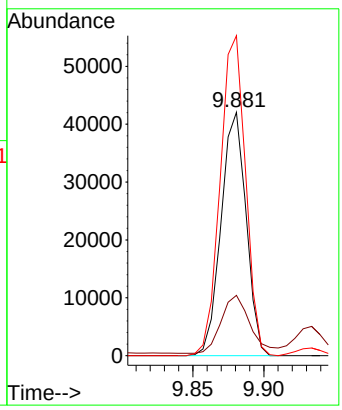


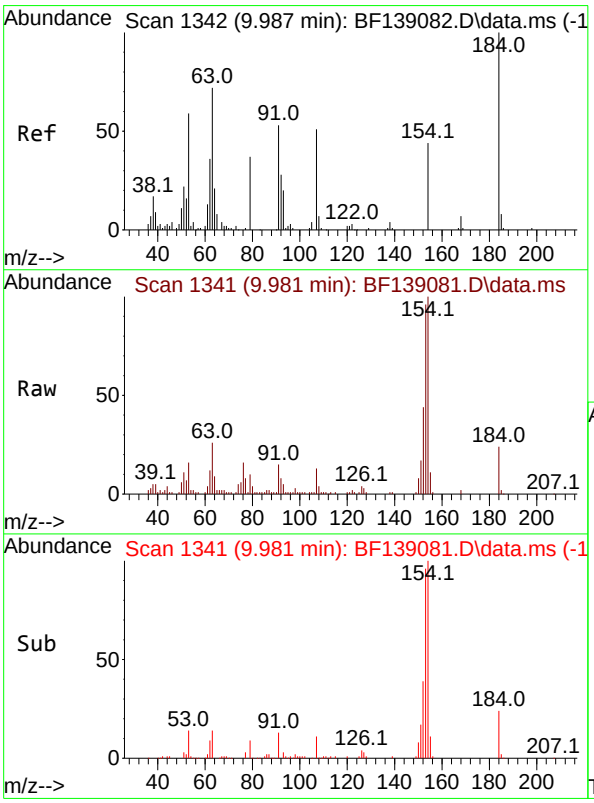
#53
3-Nitroaniline
Concen: 19.585 ng
RT: 9.881 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 51606

Ion	Ratio	Lower	Upper
138	100		
108	24.8	14.6	21.8#
92	131.5	105.9	158.9

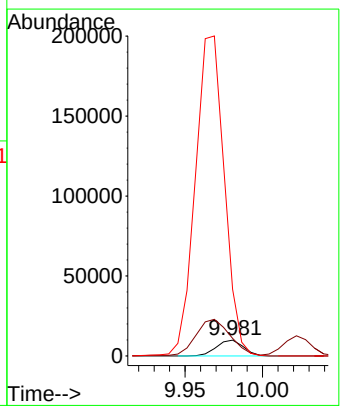


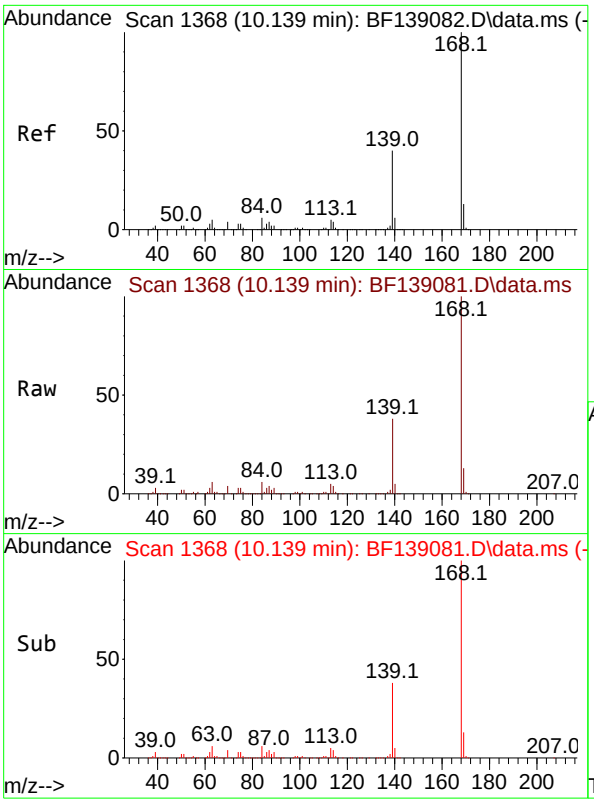


#54
2,4-Dinitrophenol
Concen: 19.453 ng
RT: 9.981 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:184 Resp: 12058

Ion	Ratio	Lower	Upper
184	100		
63	110.6	70.5	105.7#
154	421.6	135.0	202.6#



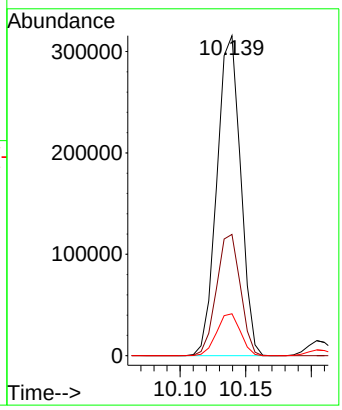


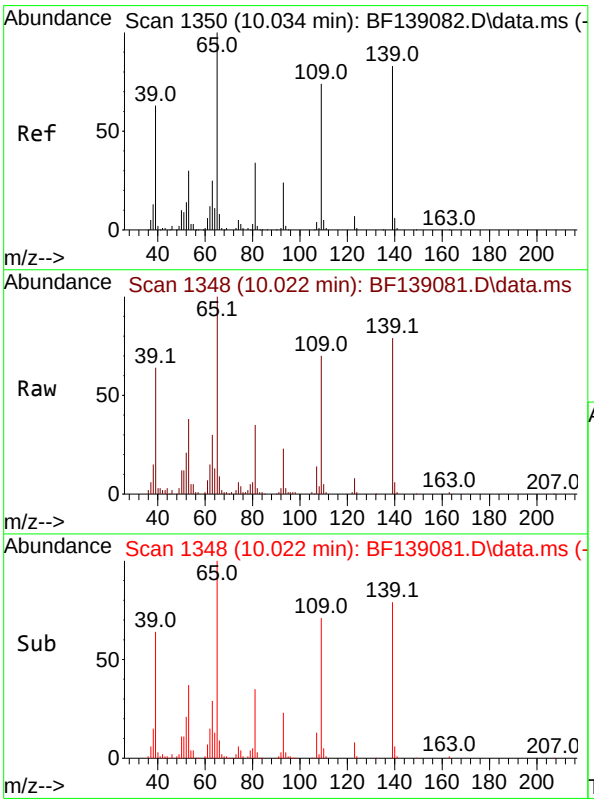
#55
Dibenzofuran
Concen: 21.221 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 396151

Ion	Ratio	Lower	Upper
168	100		
139	37.9	31.6	47.4
169	13.1	10.7	16.1

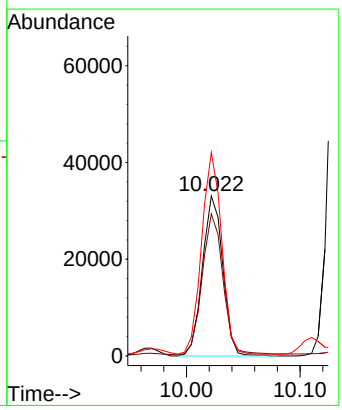


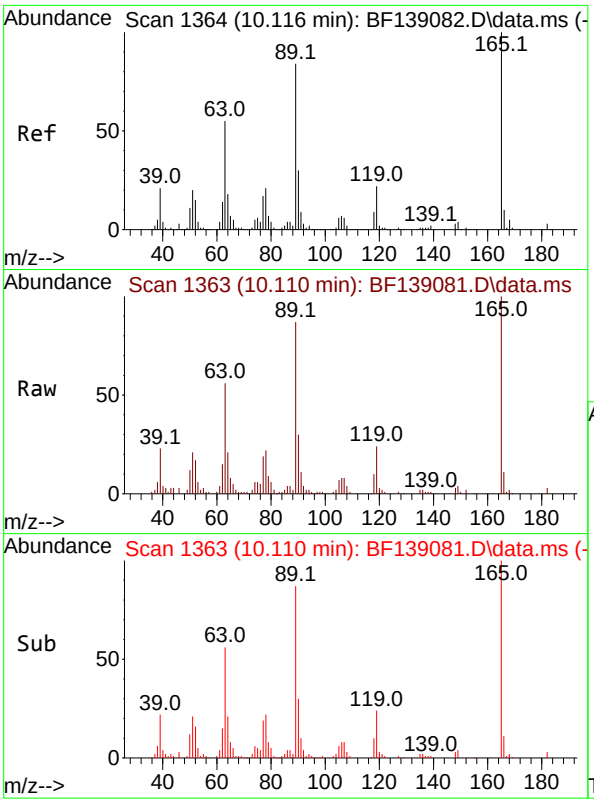


#56
4-Nitrophenol
Concen: 18.124 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.012 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:139 Resp: 41271

Ion	Ratio	Lower	Upper
139	100		
109	88.9	68.8	108.8
65	127.2	101.3	141.3



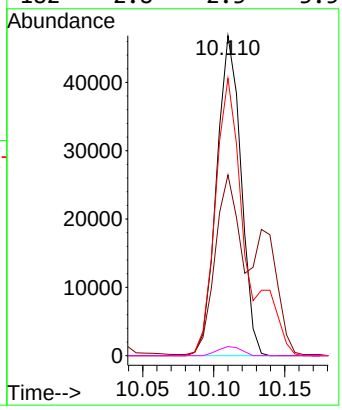


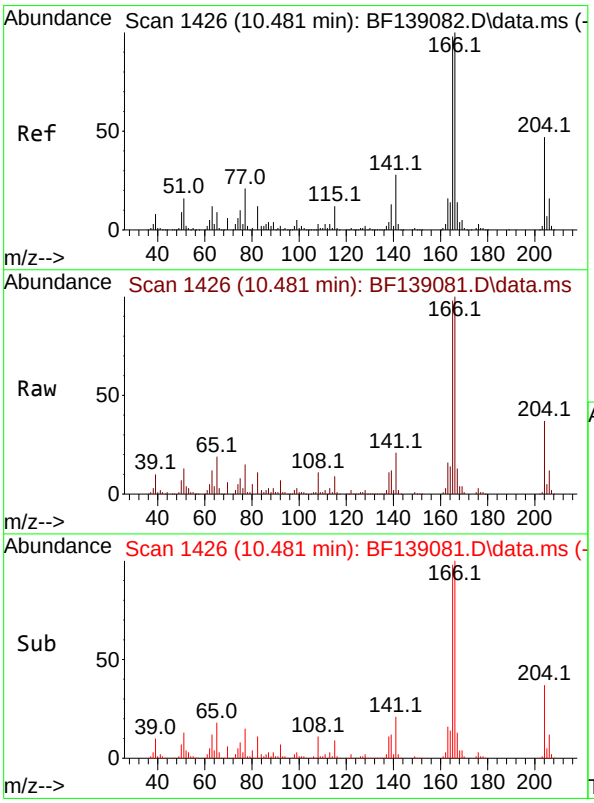
#57
2,4-Dinitrotoluene
Concen: 18.598 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 55907

Ion	Ratio	Lower	Upper
165	100		
63	56.5	44.2	66.4
89	86.7	67.4	101.2
182	2.8	2.3	3.5

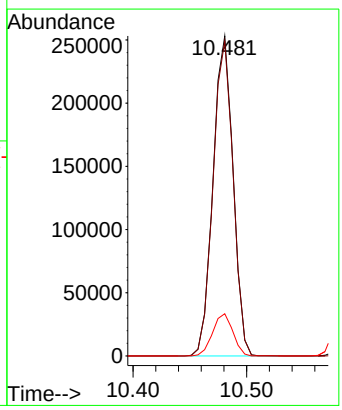


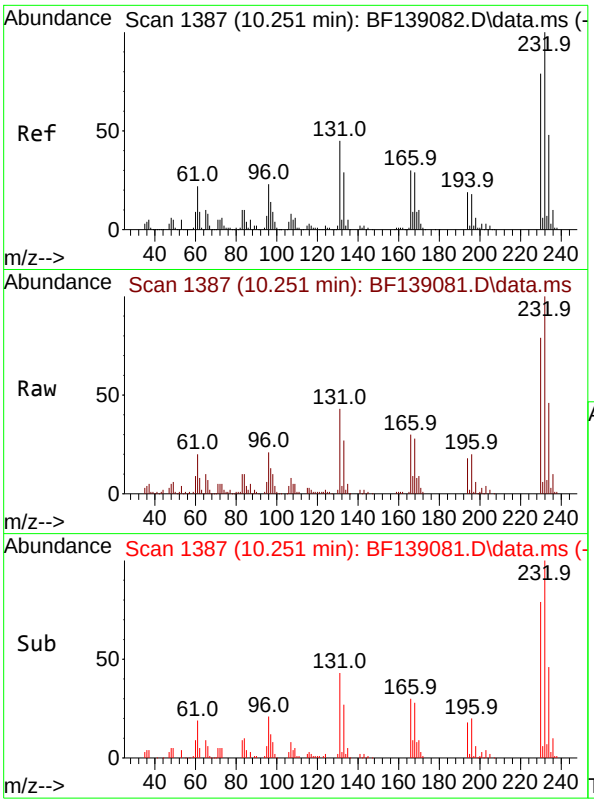


#58
Fluorene
Concen: 20.827 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:166 Resp: 310711

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.0	117.0
167	13.2	11.0	16.4



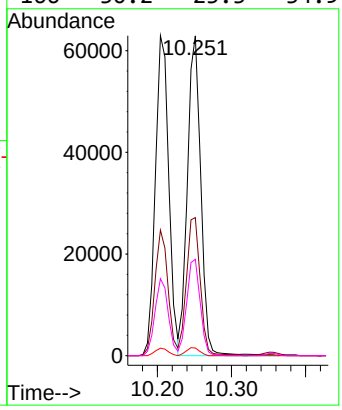


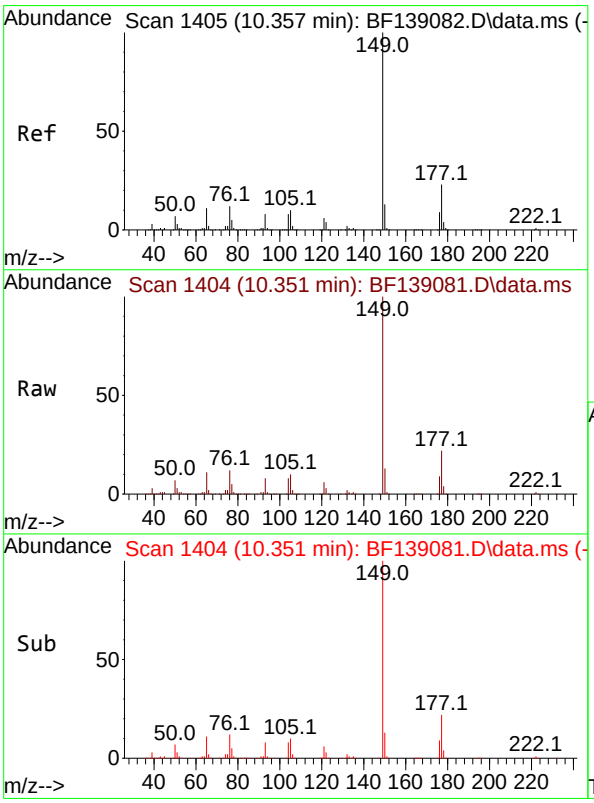
#59
2,3,4,6-Tetrachlorophenol
Concen: 21.326 ng
RT: 10.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 79240

Ion	Ratio	Lower	Upper
232	100		
131	44.4	36.0	54.0
130	2.5	2.0	3.0
166	30.2	23.3	34.9

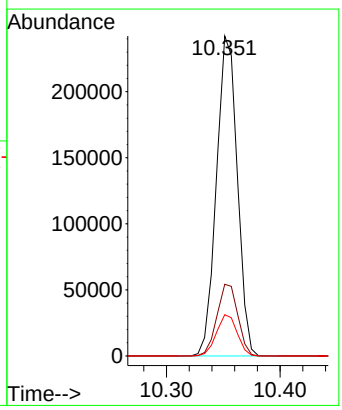


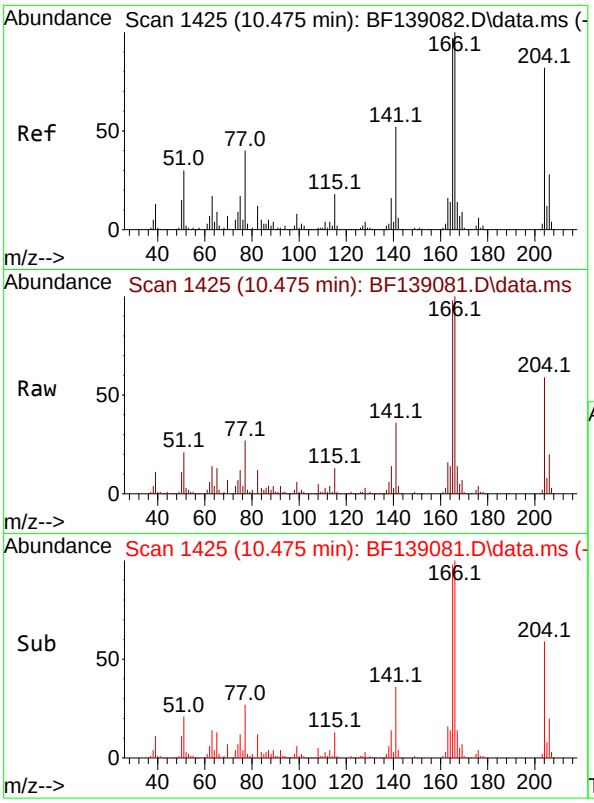


#60
Diethylphthalate
Concen: 20.718 ng
RT: 10.351 min Scan# 1404
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:149 Resp: 309251

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.4	27.6
150	12.9	10.2	15.2



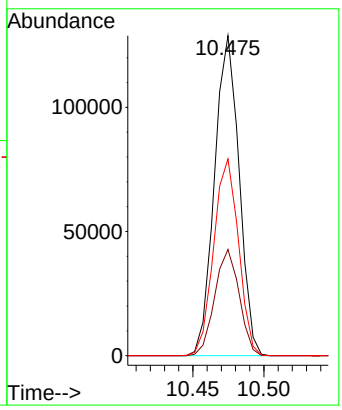


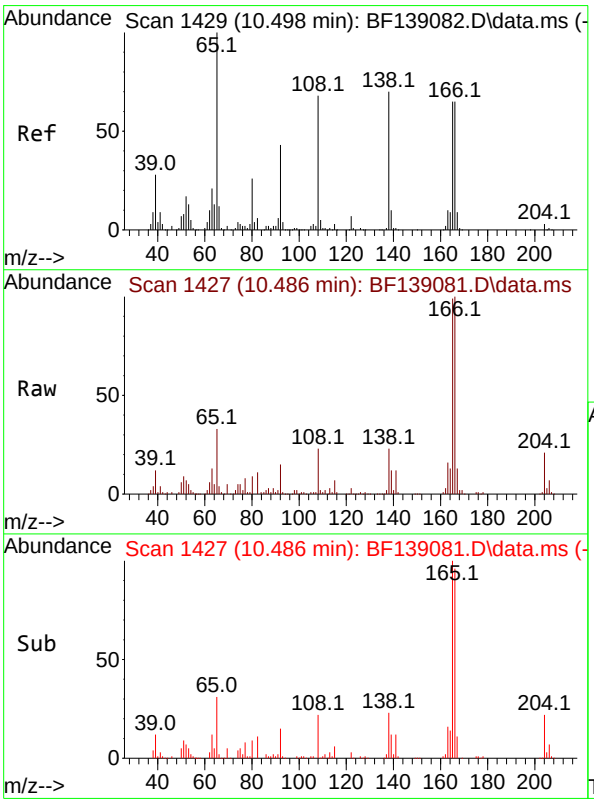
#61
4-Chlorophenyl-phenylether
Concen: 20.824 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 155161

Ion	Ratio	Lower	Upper
204	100		
206	33.2	27.0	40.4
141	61.5	50.9	76.3

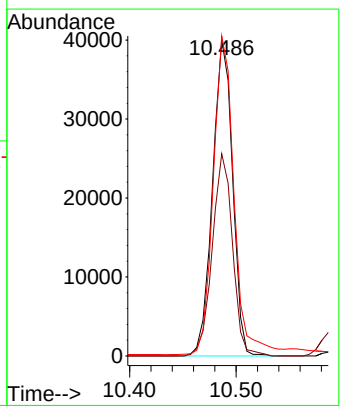


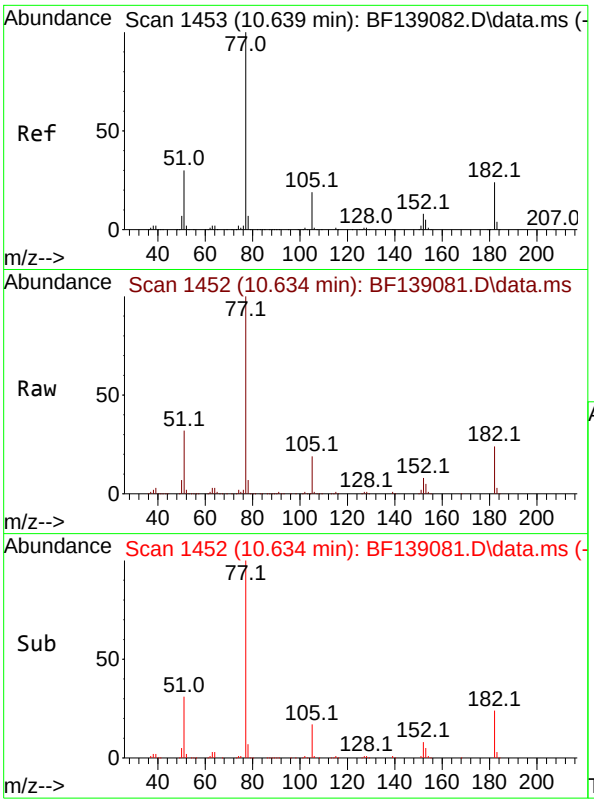


#62
4-Nitroaniline
Concen: 19.256 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:138 Resp: 52096

Ion	Ratio	Lower	Upper
138	100		
92	63.9	41.4	81.4
108	101.1	76.8	116.8



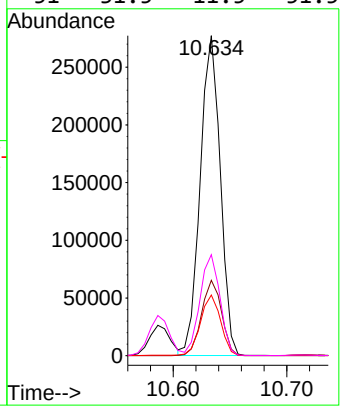


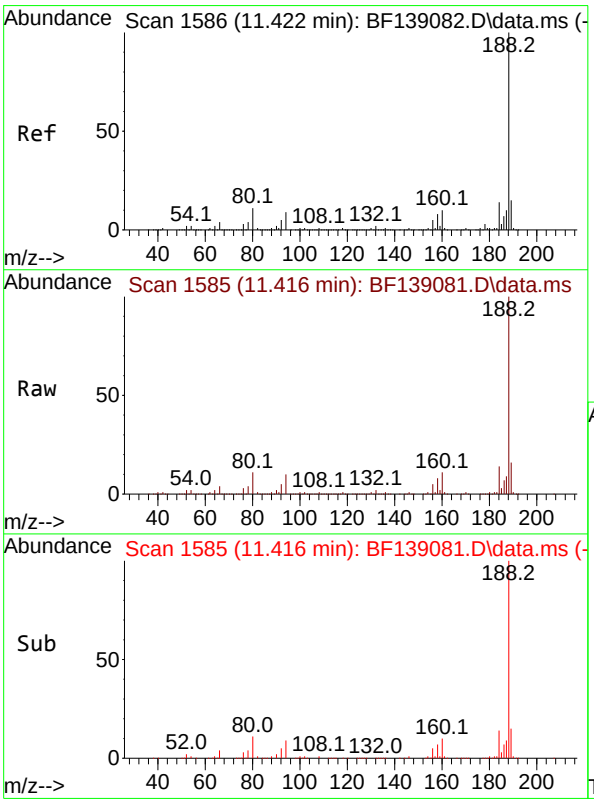
#63
Azobenzene
Concen: 20.522 ng
RT: 10.634 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 340418

Ion	Ratio	Lower	Upper
77	100		
182	23.6	4.0	44.0
105	18.9	0.0	39.1
51	31.5	11.5	51.5

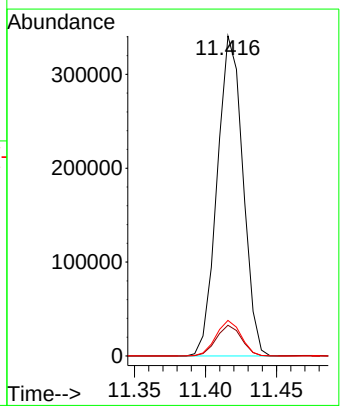


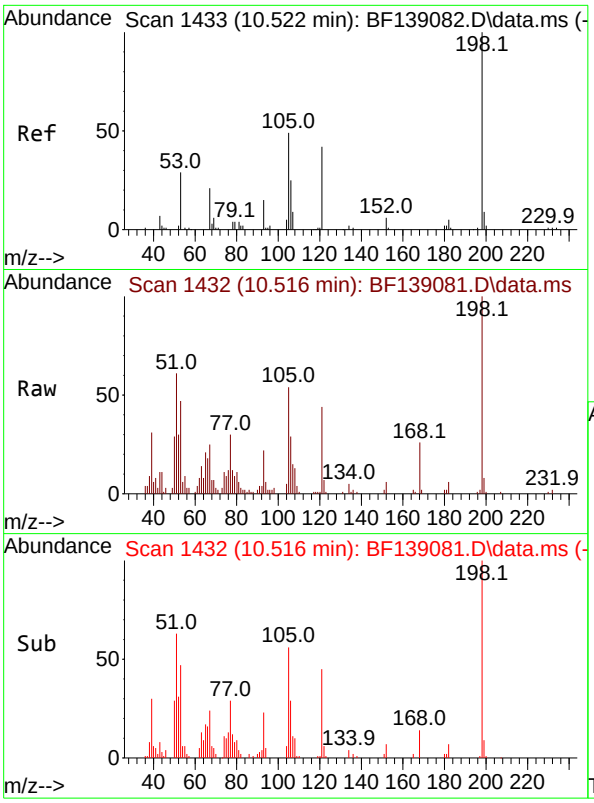


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:188 Resp: 428750

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.2	10.8
80	11.1	8.5	12.7



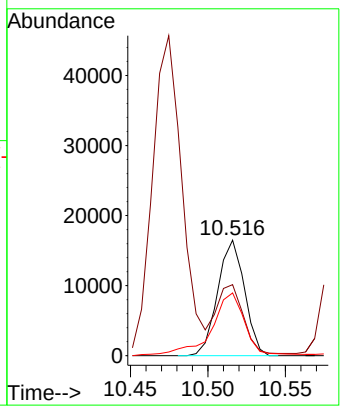


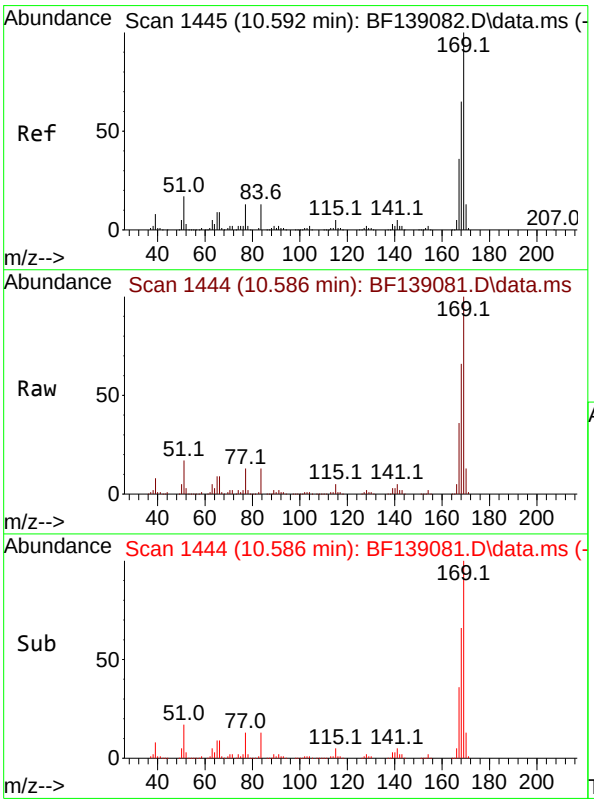
#65
4,6-Dinitro-2-methylphenol
Concen: 19.345 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 19851

Ion	Ratio	Lower	Upper
198	100		
51	61.5	40.8	80.8
105	54.4	30.9	70.9

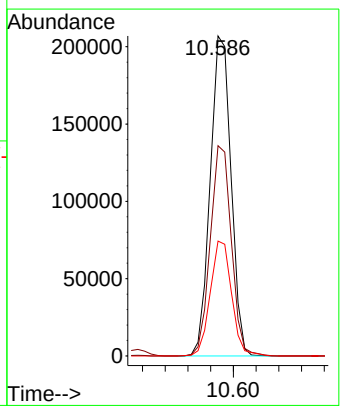


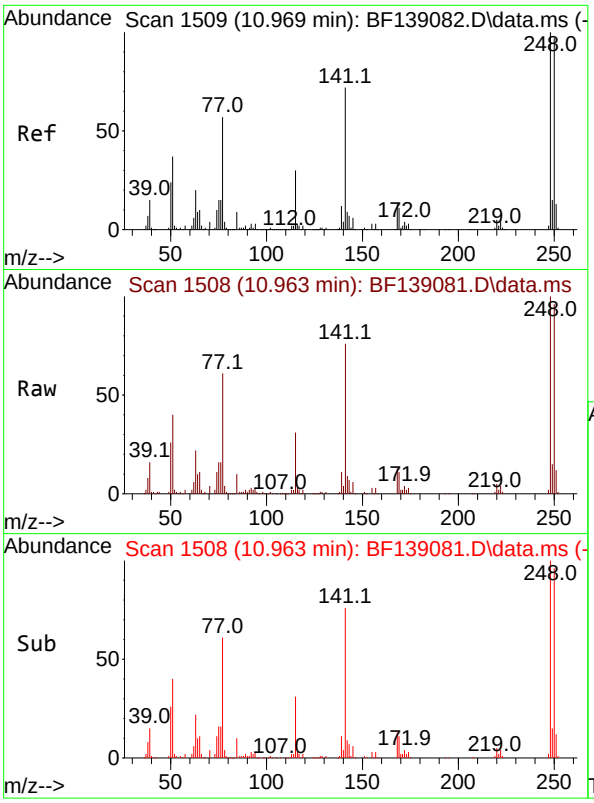


#66
n-Nitrosodiphenylamine
Concen: 20.729 ng
RT: 10.586 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:169 Resp: 262973

Ion	Ratio	Lower	Upper
169	100		
168	65.7	52.4	78.6
167	35.9	28.6	43.0



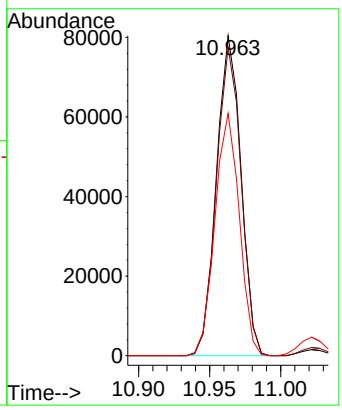


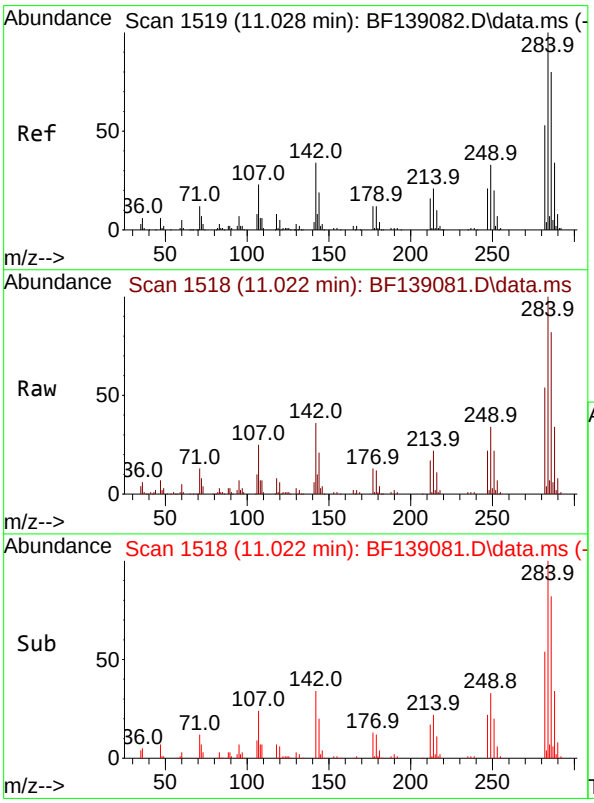
#67
4-Bromophenyl-phenylether
Concen: 21.331 ng
RT: 10.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 96912

Ion	Ratio	Lower	Upper
248	100		
250	96.5	77.8	116.8
141	75.7	57.9	86.9

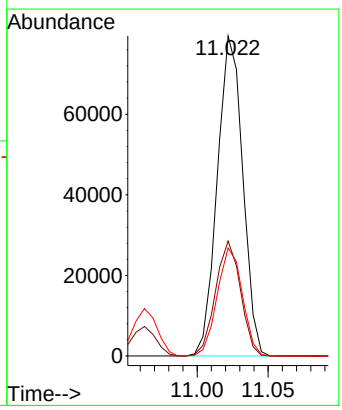


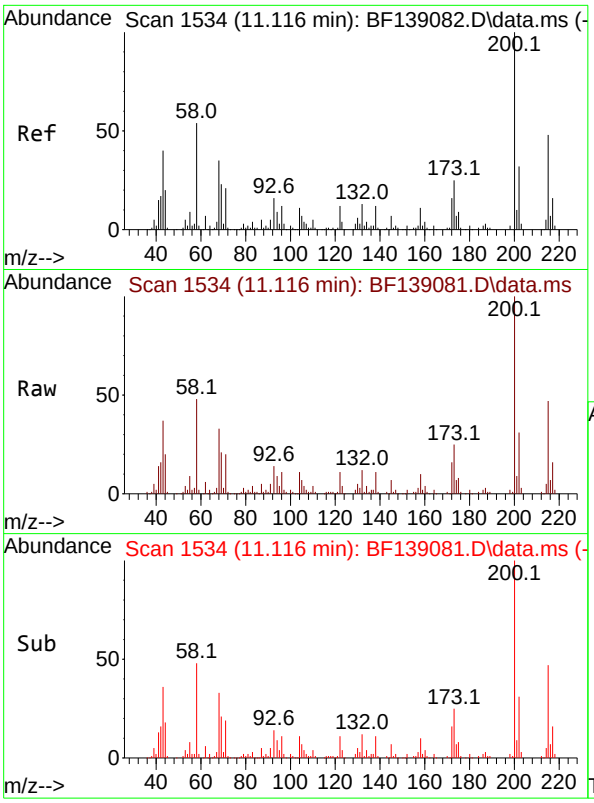


#68
Hexachlorobenzene
Concen: 20.282 ng
RT: 11.022 min Scan# 1518
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:284 Resp: 98858

Ion	Ratio	Lower	Upper
284	100		
142	35.9	27.1	40.7
249	33.7	26.8	40.2



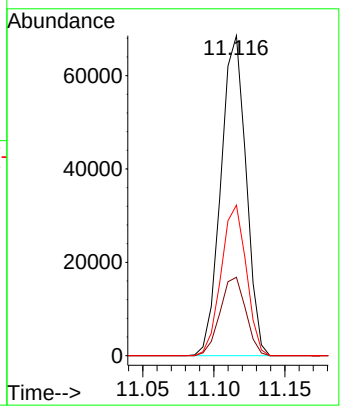


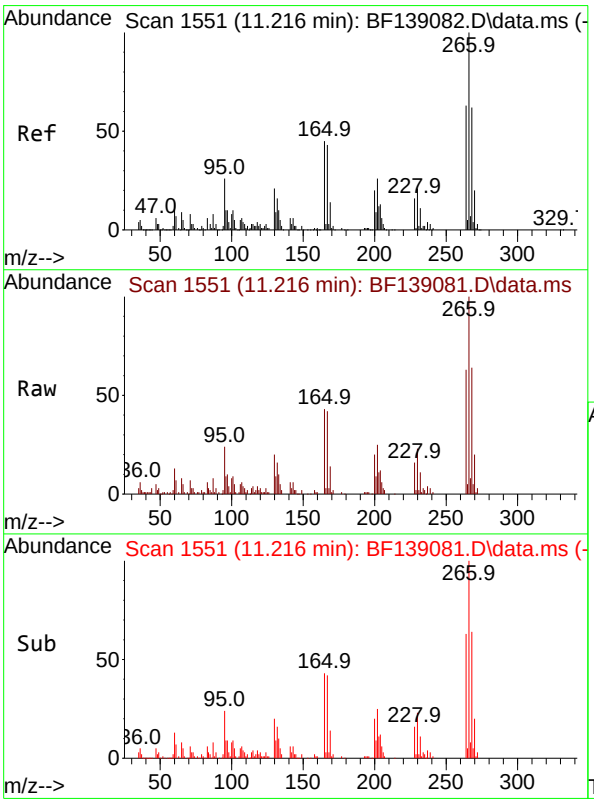
#69
Atrazine
Concen: 21.775 ng
RT: 11.116 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 84369

Ion	Ratio	Lower	Upper
200	100		
173	24.5	5.2	45.2
215	47.0	27.9	67.9

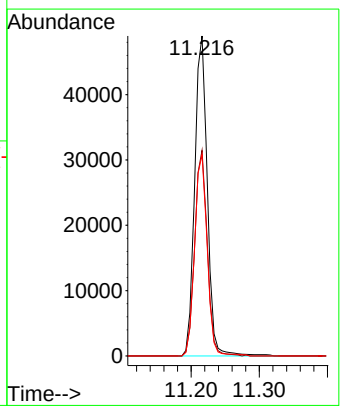


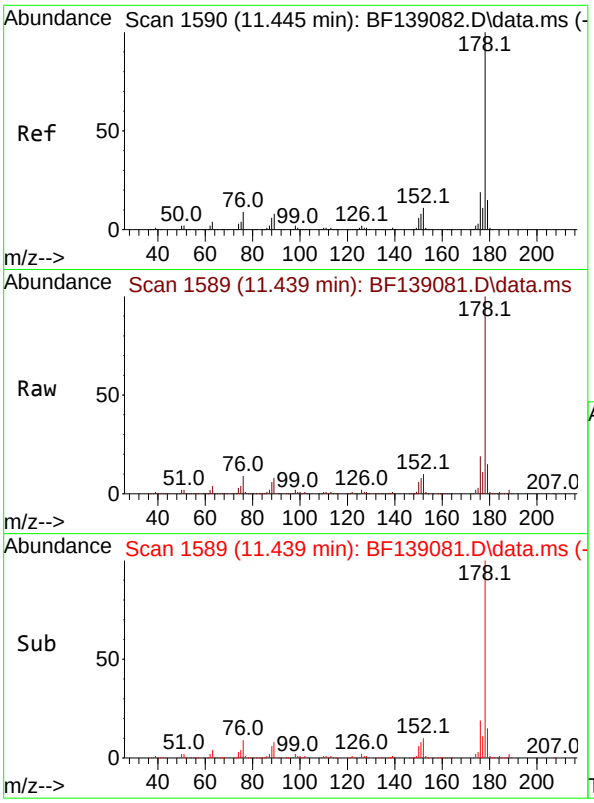


#70
Pentachlorophenol
Concen: 20.219 ng
RT: 11.216 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:266 Resp: 62951

Ion	Ratio	Lower	Upper
266	100		
268	64.2	49.5	74.3
264	62.9	50.0	75.0



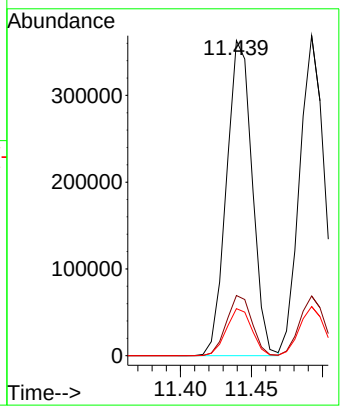


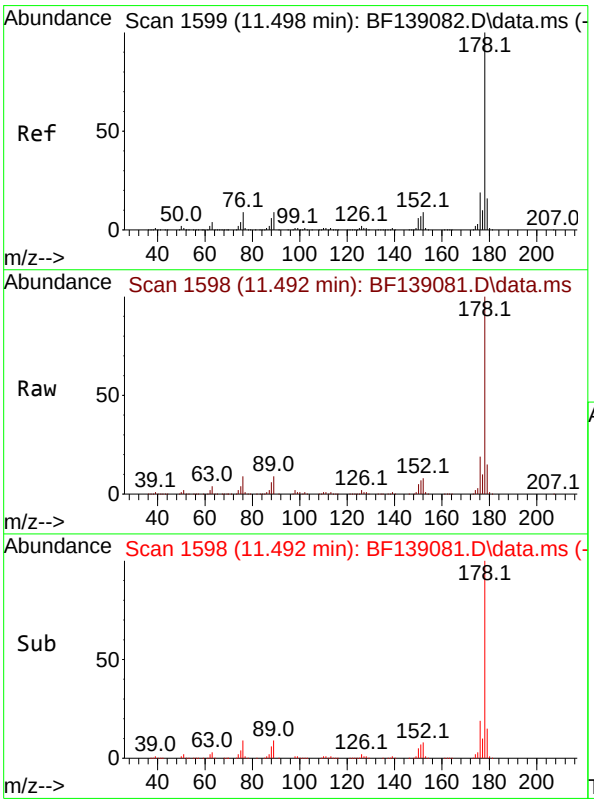
#71
Phenanthrene
Concen: 20.968 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 456936

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	14.9	12.3	18.5

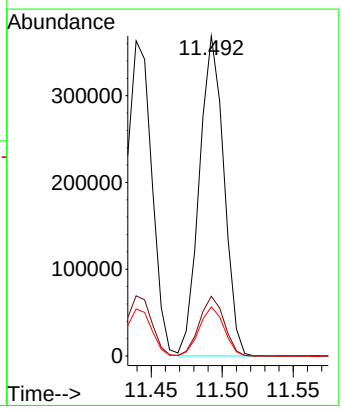


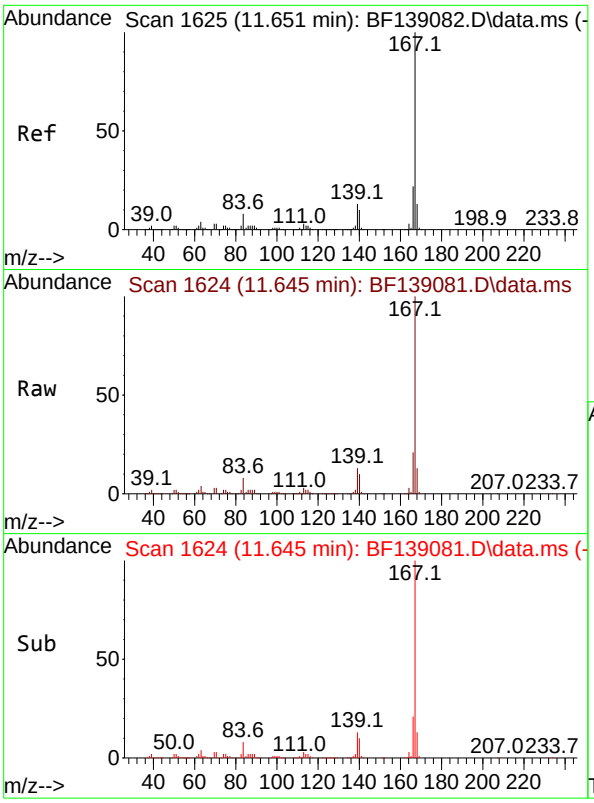


#72
Anthracene
Concen: 20.812 ng
RT: 11.492 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:178 Resp: 443551

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.4	12.4	18.6



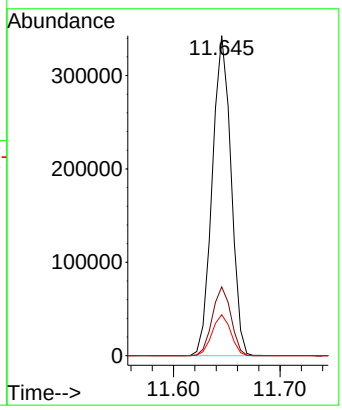


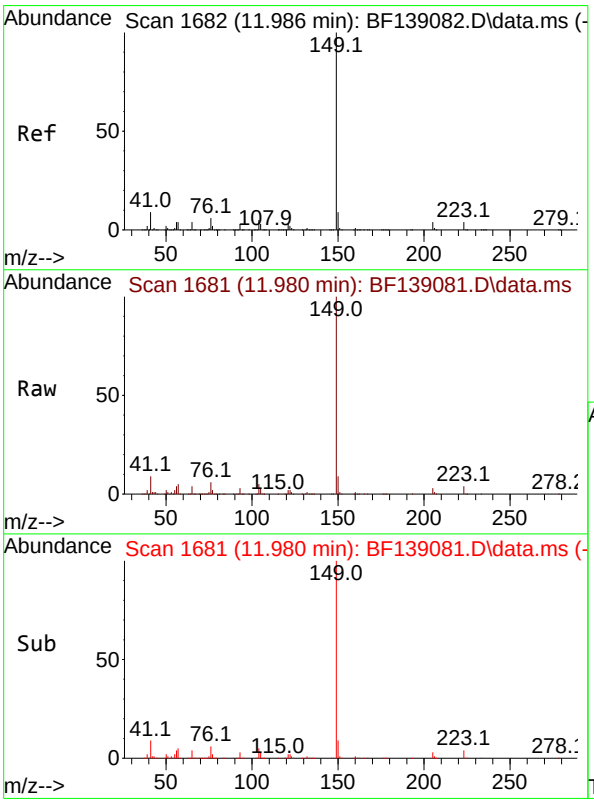
#73
Carbazole
Concen: 21.024 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 418398

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.3	25.9
139	12.8	10.5	15.7

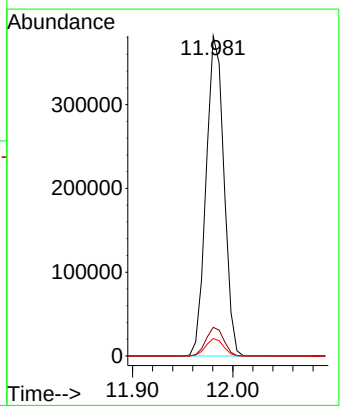


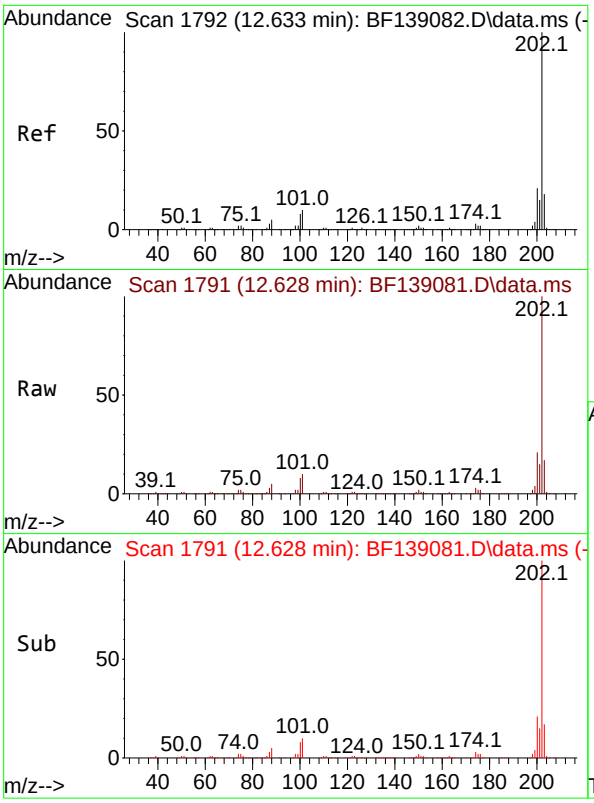


#74
Di-n-butylphthalate
Concen: 20.393 ng
RT: 11.980 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:149 Resp: 470595

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	5.4	4.3	6.5



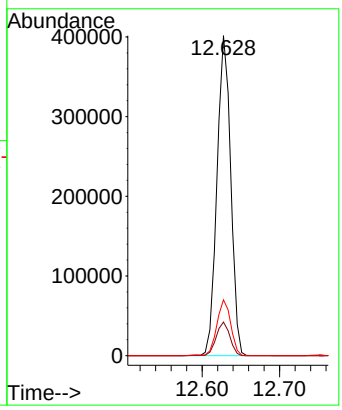


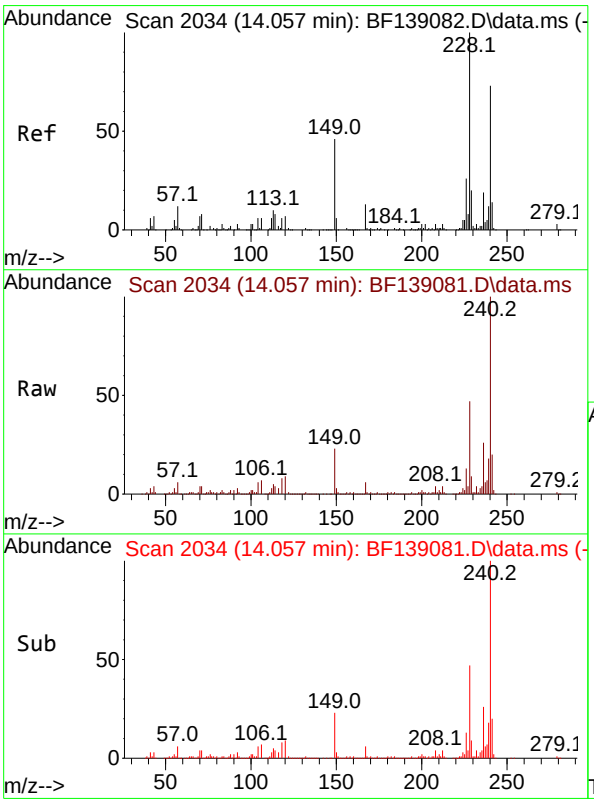
#75
Fluoranthene
Concen: 21.234 ng
RT: 12.628 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 493896

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.2
203	17.5	0.0	37.6

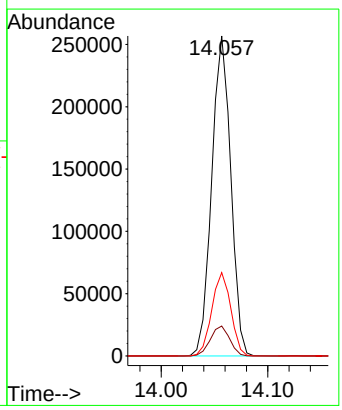


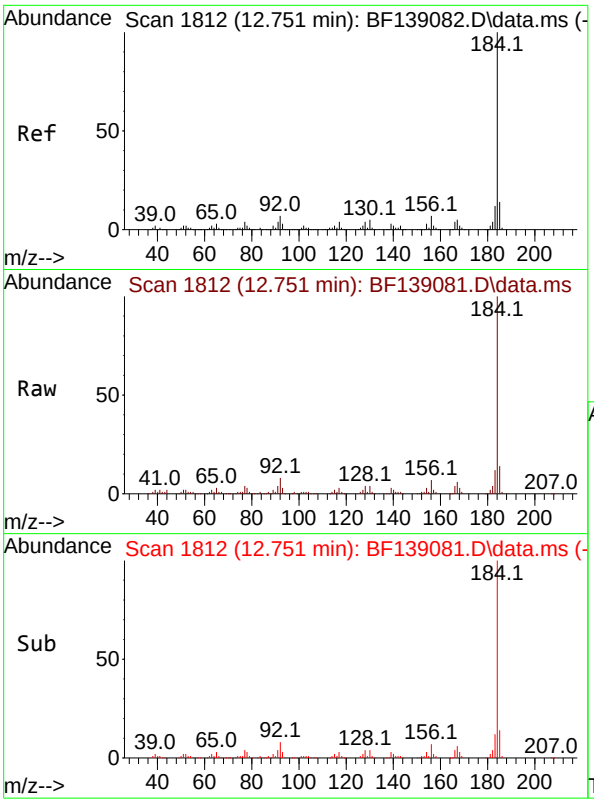


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:240 Resp: 319277

Ion	Ratio	Lower	Upper
240	100		
120	9.3	7.8	11.6
236	26.1	20.9	31.3



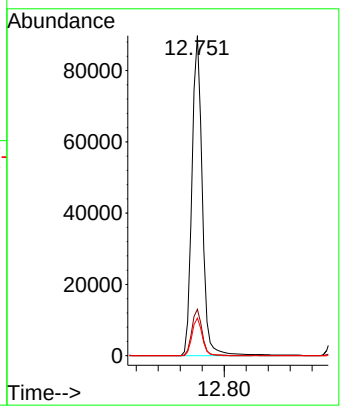


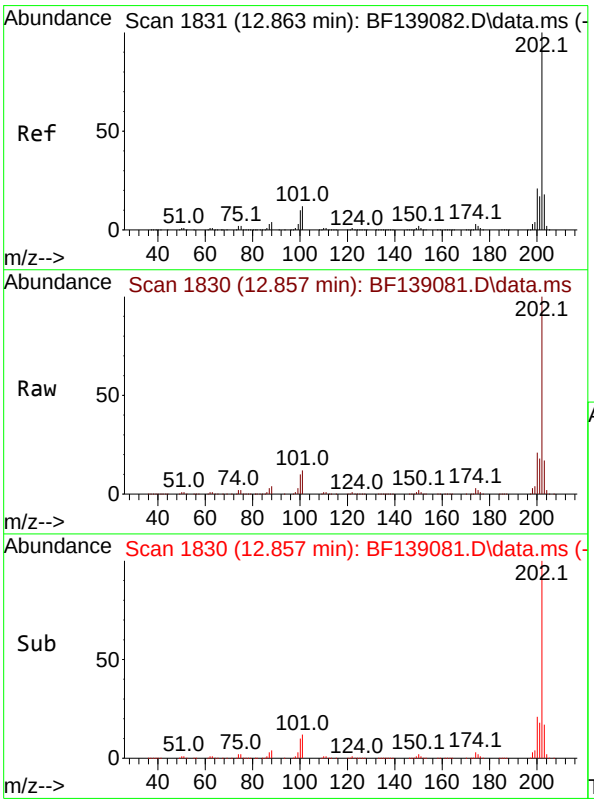
#77
Benzidine
Concen: 17.811 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 117462

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.5	17.3
183	11.7	9.8	14.6

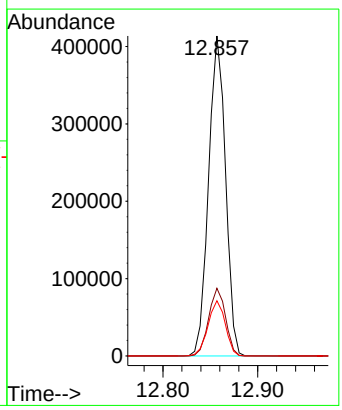


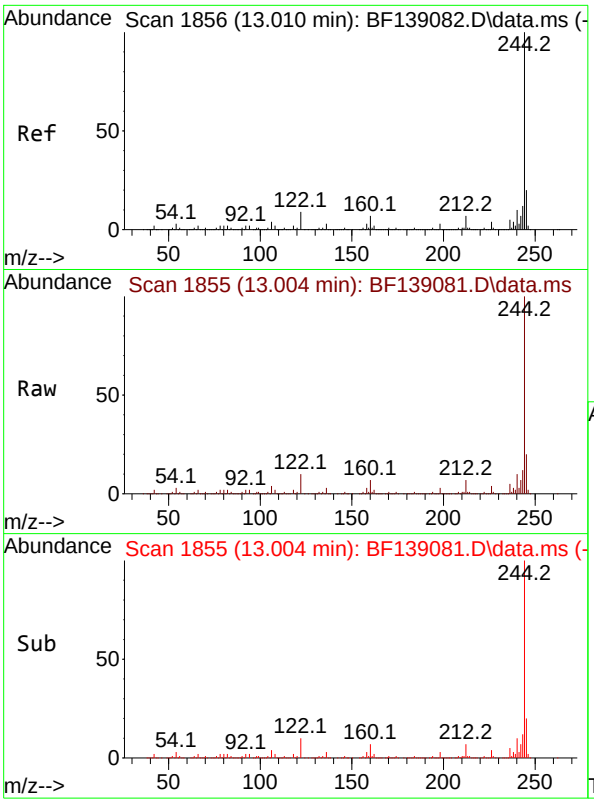


#78
Pyrene
Concen: 19.247 ng
RT: 12.857 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:202 Resp: 512819

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.6
203	17.2	14.1	21.1



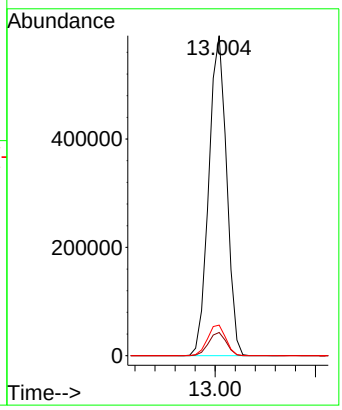


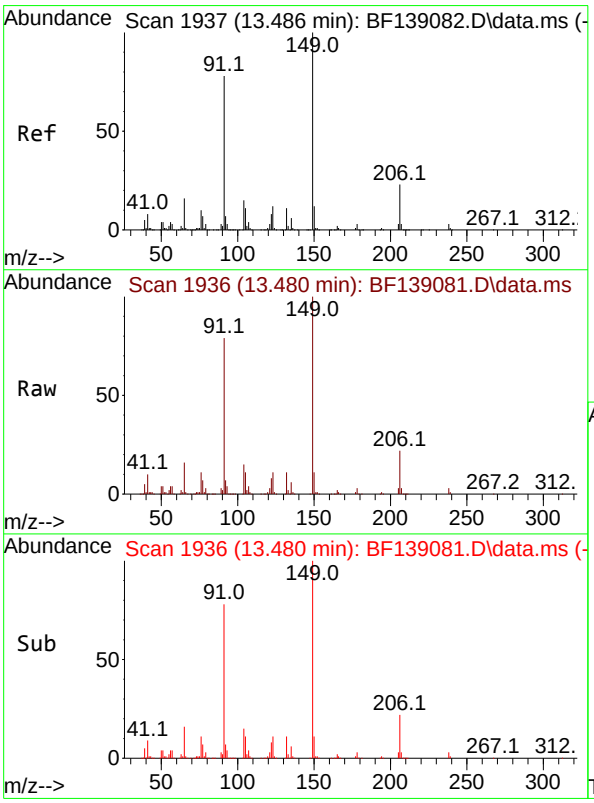
#79
Terphenyl-d14
Concen: 37.954 ng
RT: 13.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 730296

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	9.6	7.6	11.4

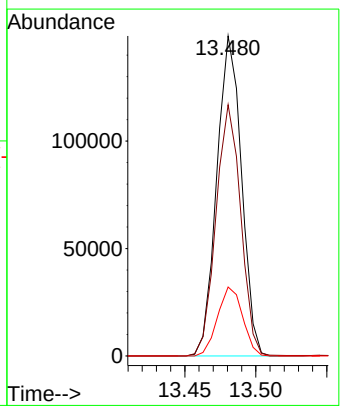


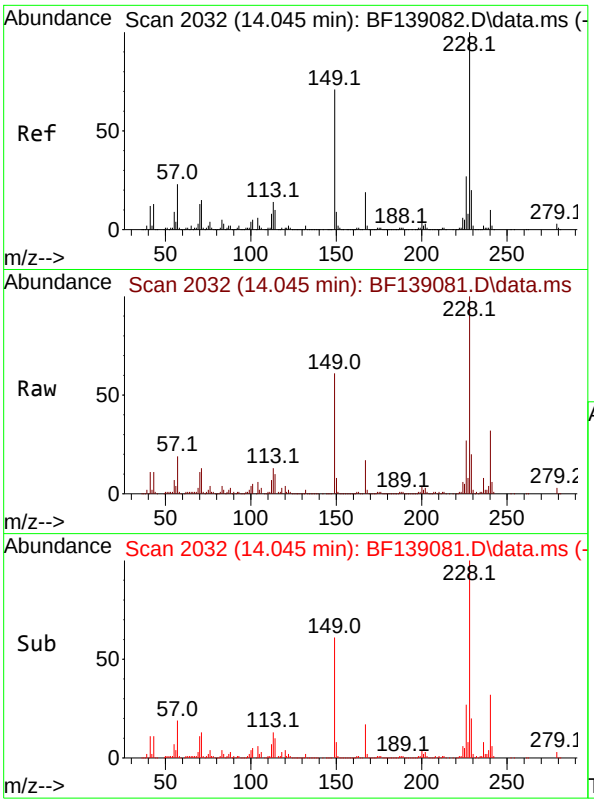


#80
Butylbenzylphthalate
Concen: 19.522 ng
RT: 13.480 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:149 Resp: 179950

Ion	Ratio	Lower	Upper
149	100		
91	78.5	62.1	93.1
206	21.5	18.0	27.0



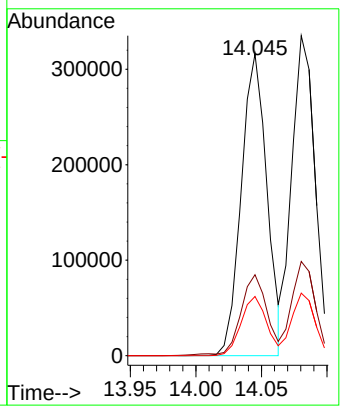


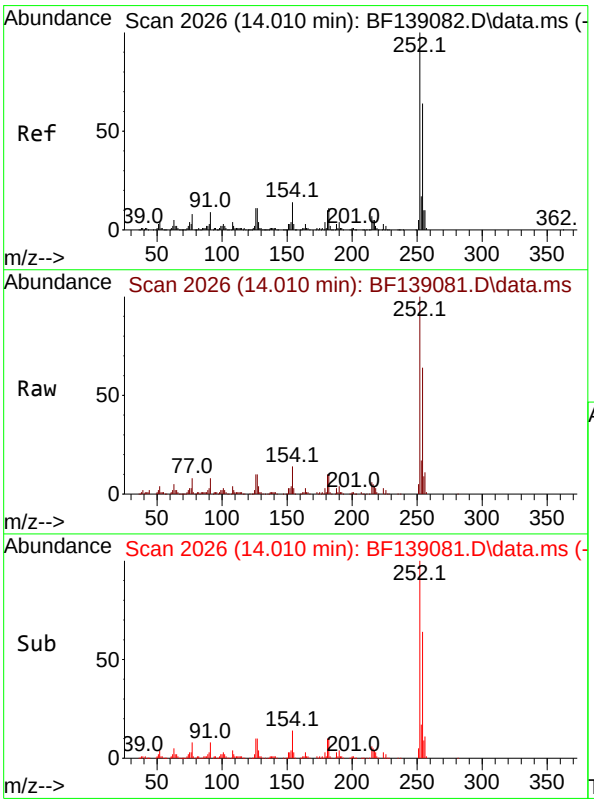
#81
Benzo(a)anthracene
Concen: 20.483 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 429888

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.9	32.9
229	19.6	16.1	24.1

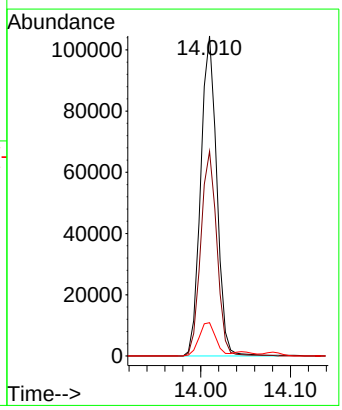


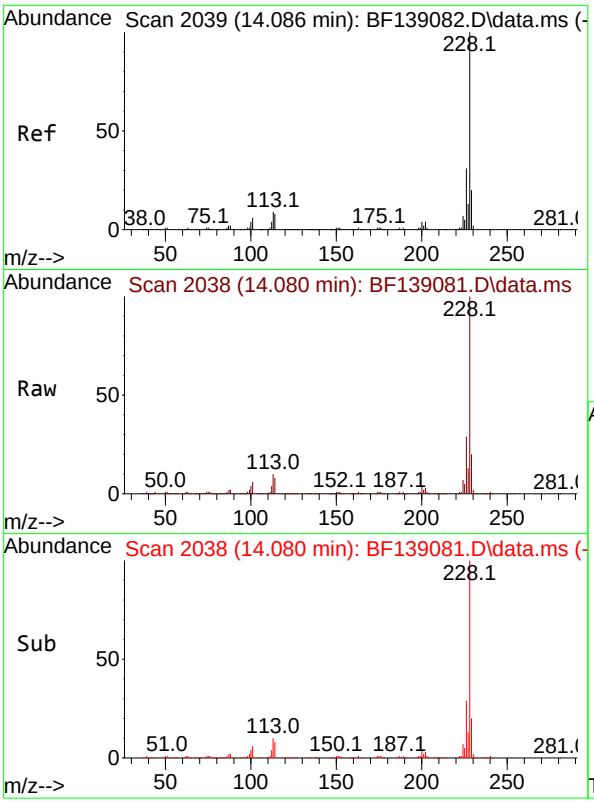


#82
3,3'-Dichlorobenzidine
Concen: 22.160 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:252 Resp: 130003

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.4	77.0
126	10.4	8.6	12.8



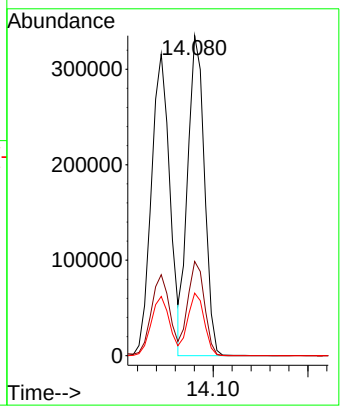


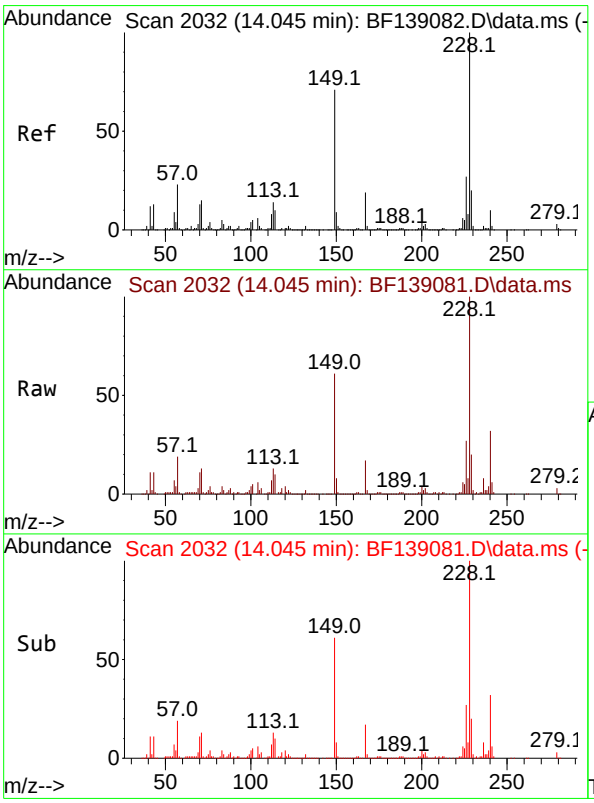
#83
Chrysene
Concen: 21.621 ng
RT: 14.080 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 411307

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.3	36.5
229	19.6	15.8	23.8

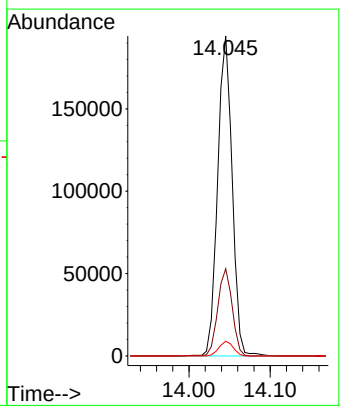


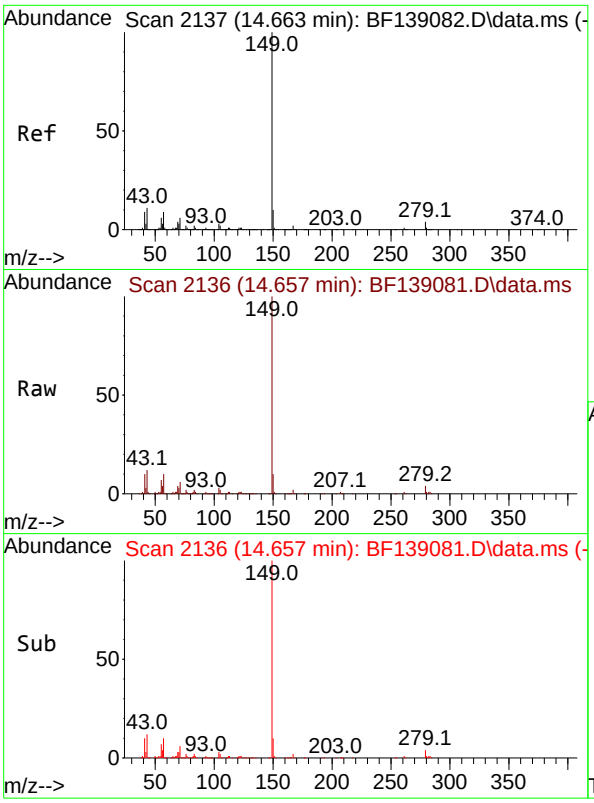


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.767 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:149 Resp: 241559

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.8	32.6
279	4.6	3.5	5.3



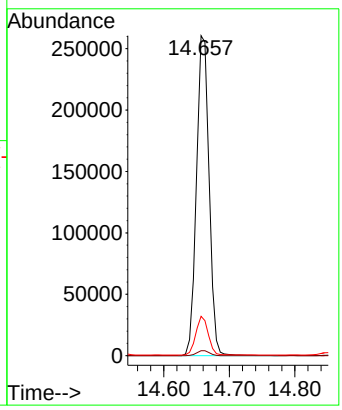


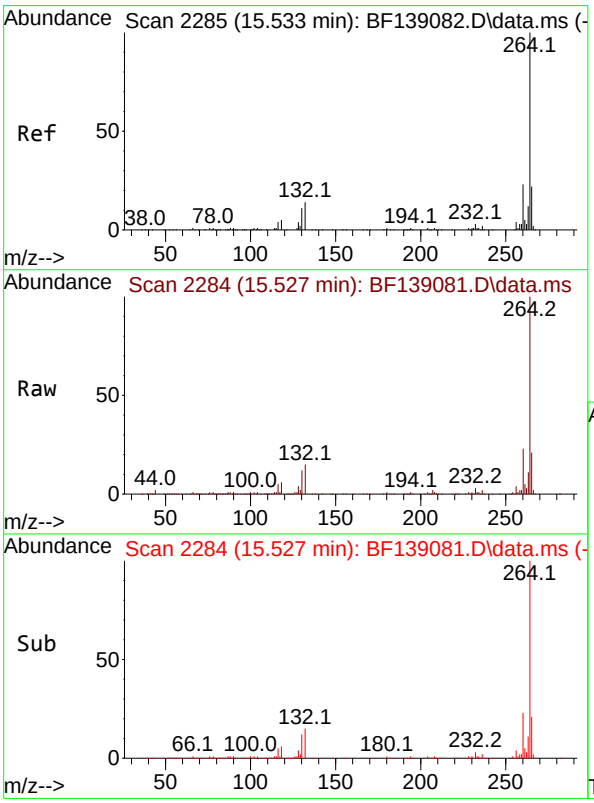
#85
Di-n-octyl phthalate
Concen: 20.366 ng
RT: 14.657 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 349298

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.9	9.6	14.4

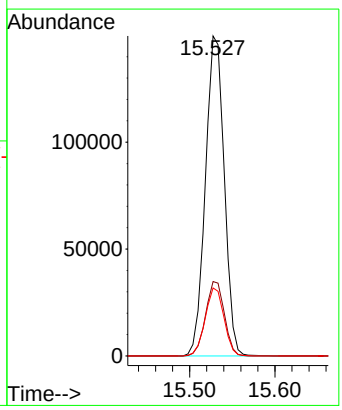


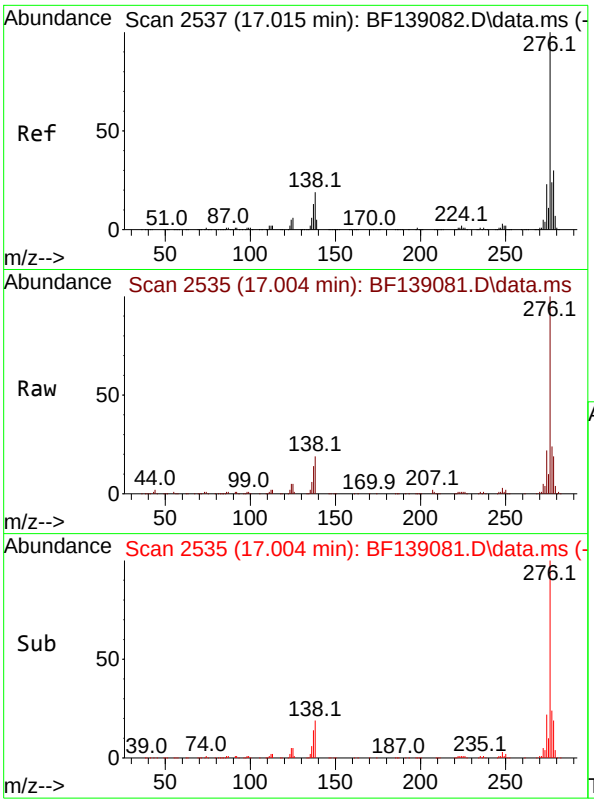


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:264 Resp: 230136

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	21.2	17.4	26.2



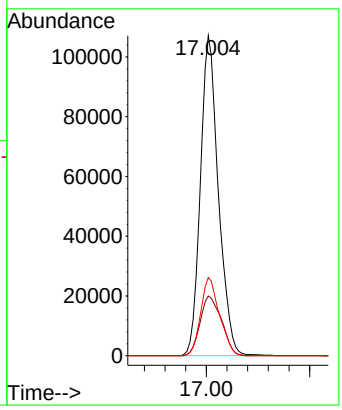


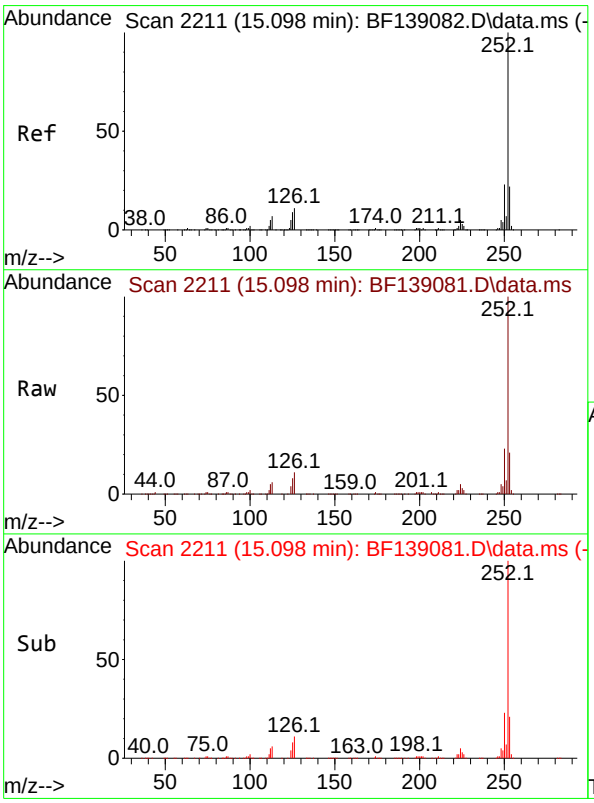
#87
Indeno(1,2,3-cd)pyrene
Concen: 19.208 ng
RT: 17.004 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 258712

Ion	Ratio	Lower	Upper
276	100		
138	22.1	17.3	25.9
277	25.5	20.2	30.4

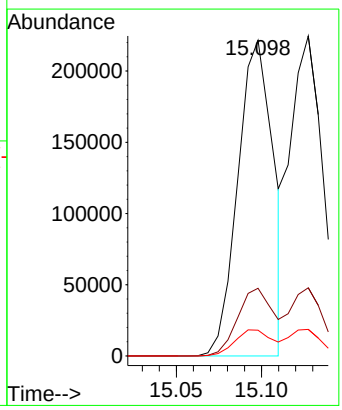


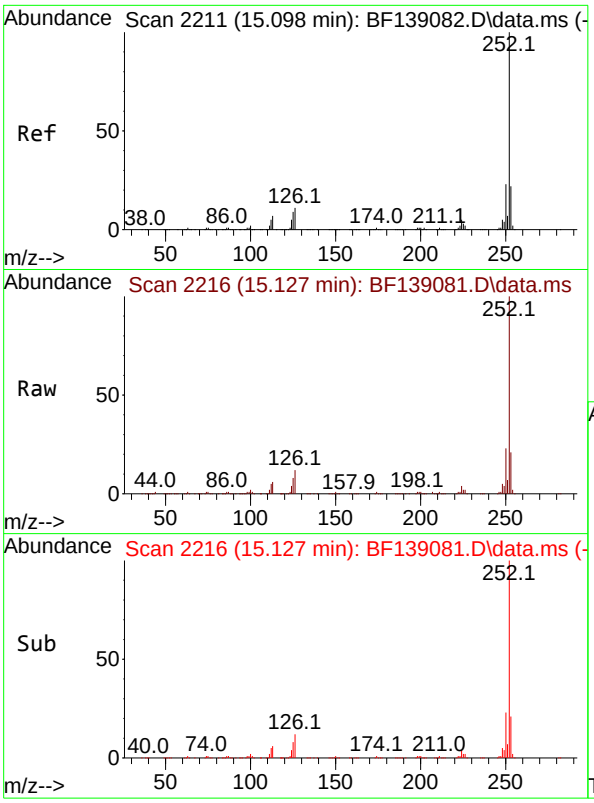


#88
Benzo(b)fluoranthene
Concen: 21.317 ng
RT: 15.098 min Scan# 2211
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:252 Resp: 319834

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	8.2	7.0	10.6



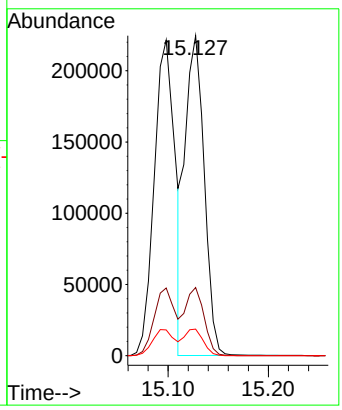


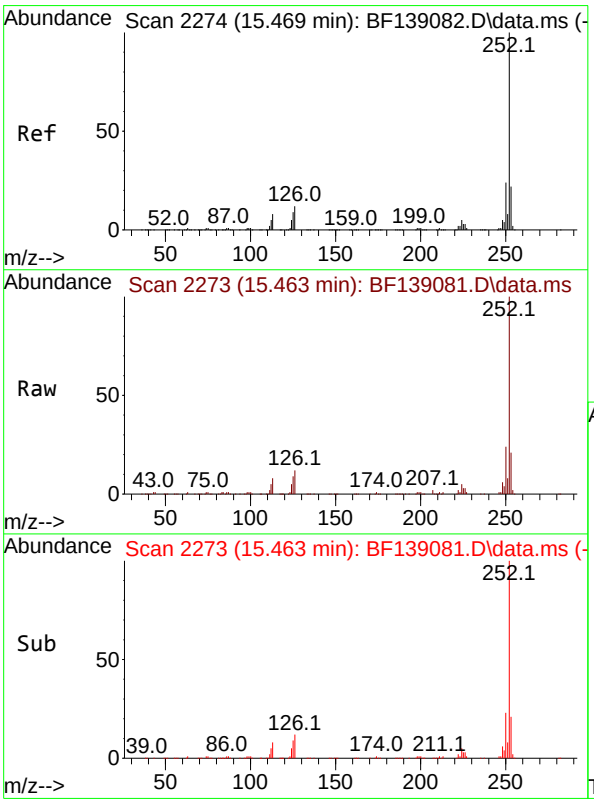
#89
Benzo(k)fluoranthene
Concen: 23.725 ng
RT: 15.127 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 296462

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.2
125	8.3	7.0	10.6

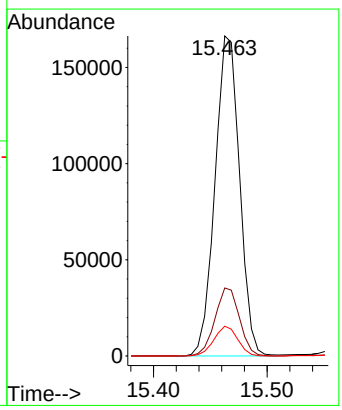


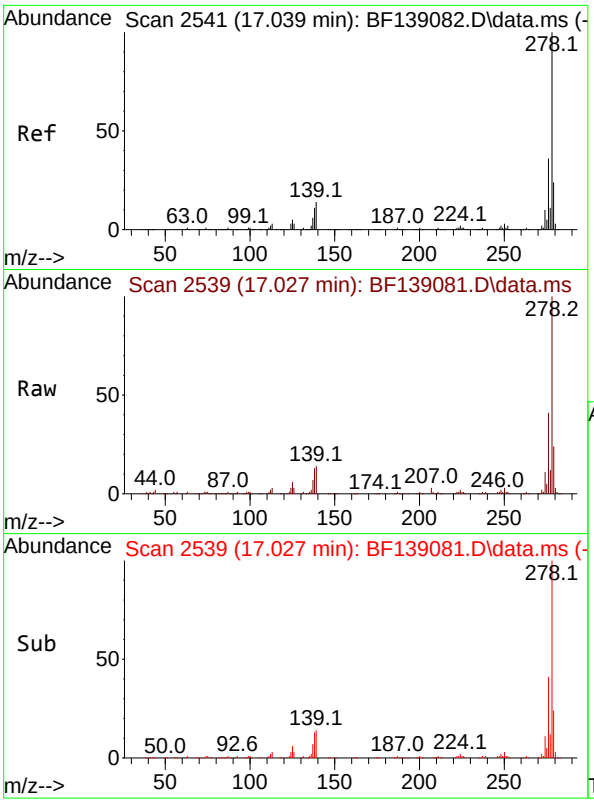


#90
Benzo(a)pyrene
Concen: 21.094 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:252 Resp: 250079

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.3	25.9
125	9.3	7.4	11.2



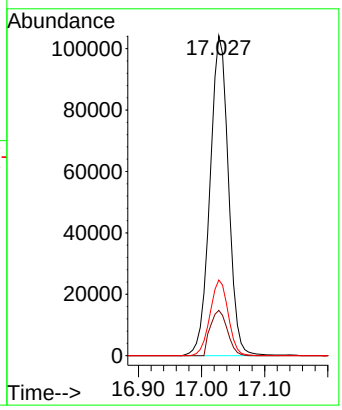


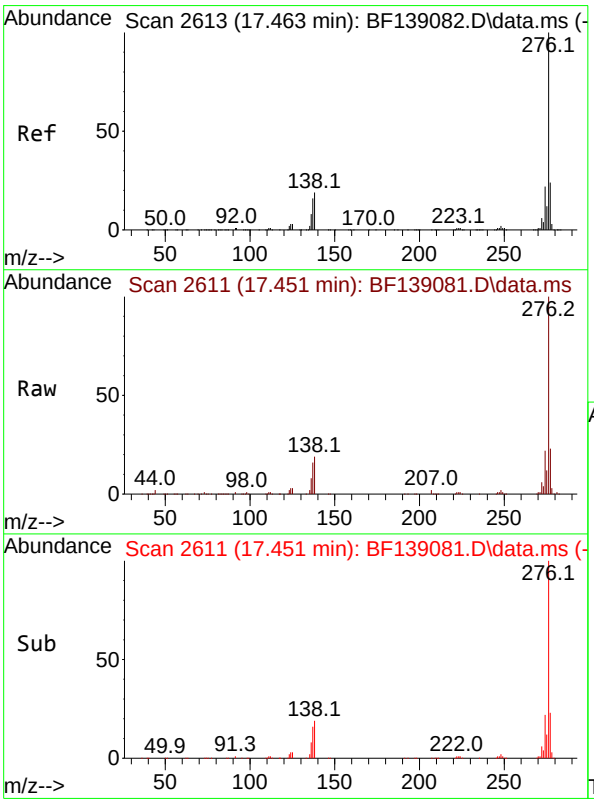
#91
Dibenzo(a,h)anthracene
Concen: 19.194 ng
RT: 17.027 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 212214

Ion	Ratio	Lower	Upper
278	100		
139	14.1	10.8	16.2
279	23.6	19.2	28.8

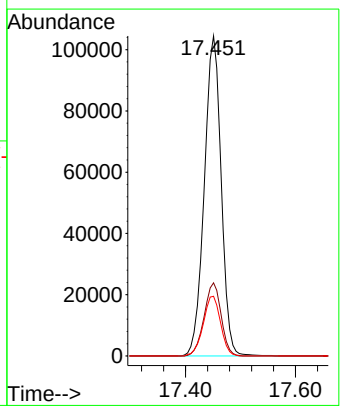




#92
Benzo(g,h,i)perylene
Concen: 19.397 ng
RT: 17.451 min Scan# 2611
Delta R.T. -0.012 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:276 Resp: 222690

Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.8	28.2
138	18.7	15.0	22.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139082.D
Acq On : 20 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 21 01:15:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.899	152	116386	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	419218	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	240364	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	434981	20.000	ng	0.00
76) Chrysene-d12	14.057	240	276906	20.000	ng	0.00
86) Perylene-d12	15.533	264	215524	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	570519	75.418	ng	0.00
7) Phenol-d6	6.522	99	750326	76.762	ng	0.00
23) Nitrobenzene-d5	7.463	82	603508	83.886	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	182810	84.013	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1160846	76.626	ng	0.00
79) Terphenyl-d14	13.010	244	1342629	80.454	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	128717	39.671	ng	100
3) Pyridine	3.440	79	316890	38.434	ng	100
4) n-Nitrosodimethylamine	3.399	42	184710	37.084	ng	100
6) Aniline	6.557	93	351788	39.867	ng	100
8) 2-Chlorophenol	6.681	128	277899	38.193	ng	100
9) Benzaldehyde	6.446	77	214301	37.382	ng	100
10) Phenol	6.534	94	397897	39.123	ng	100
11) bis(2-Chloroethyl)ether	6.634	93	293529	36.025	ng	100
12) 1,3-Dichlorobenzene	6.840	146	333826	38.159	ng	100
13) 1,4-Dichlorobenzene	6.916	146	335105	38.312	ng	100
14) 1,2-Dichlorobenzene	7.069	146	312202	39.055	ng	100
15) Benzyl Alcohol	7.034	79	297924	38.564	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.175	45	430526	37.367	ng	100
17) 2-Methylphenol	7.146	107	239599	38.491	ng	100
18) Hexachloroethane	7.410	117	117917	38.445	ng	100
19) n-Nitroso-di-n-propyla...	7.310	70	233952	36.446	ng	100
20) 3+4-Methylphenols	7.298	107	313893	38.920	ng	100
22) Acetophenone	7.310	105	422626	39.483	ng	100
24) Nitrobenzene	7.481	77	331465	41.450	ng	100
25) Isophorone	7.716	82	601123	39.311	ng	100
26) 2-Nitrophenol	7.793	139	98825	36.903	ng	100
27) 2,4-Dimethylphenol	7.828	122	186706	38.504	ng	100
28) bis(2-Chloroethoxy)met...	7.928	93	343887	38.488	ng	100
29) 2,4-Dichlorophenol	8.034	162	240567	39.822	ng	100
30) 1,2,4-Trichlorobenzene	8.122	180	277308	39.203	ng	100
31) Naphthalene	8.204	128	835988	39.352	ng	100
32) Benzoic acid	7.940	122	139727	36.768	ng	100
33) 4-Chloroaniline	8.251	127	290750	39.963	ng	100
34) Hexachlorobutadiene	8.322	225	180774	39.122	ng	100
35) Caprolactam	8.622	113	77537m	40.489	ng	
36) 4-Chloro-3-methylphenol	8.722	107	267245	39.954	ng	100
37) 2-Methylnaphthalene	8.893	142	527747	38.730	ng	100
38) 1-Methylnaphthalene	8.992	142	514197	39.099	ng	100
40) 1,2,4,5-Tetrachloroben...	9.057	216	269439	40.765	ng	100
41) Hexachlorocyclopentadiene	9.045	237	102806	40.649	ng	100
43) 2,4,6-Trichlorophenol	9.163	196	171113	38.532	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139082.D
Acq On : 20 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 21 01:15:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	185362	40.665	ng	100
46) 1,1'-Biphenyl	9.357	154	660652	40.124	ng	100
47) 2-Chloronaphthalene	9.381	162	522686	39.068	ng	100
48) 2-Nitroaniline	9.475	65	137098	37.198	ng	100
49) Acenaphthylene	9.798	152	762771	39.800	ng	100
50) Dimethylphthalate	9.657	163	594327	40.051	ng	100
51) 2,6-Dinitrotoluene	9.716	165	113541	39.074	ng	100
52) Acenaphthene	9.969	154	493605	38.990	ng	100
53) 3-Nitroaniline	9.887	138	115650	39.235	ng	100
54) 2,4-Dinitrophenol	9.987	184	34457	39.125	ng	100
55) Dibenzofuran	10.139	168	729666	39.681	ng	100
56) 4-Nitrophenol	10.034	139	93512	41.690	ng	100
57) 2,4-Dinitrotoluene	10.116	165	139133	38.524	ng	100
58) Fluorene	10.481	166	574597	39.101	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	150640	41.159	ng	100
60) Diethylphthalate	10.357	149	587596	39.964	ng	100
61) 4-Chlorophenyl-phenyle...	10.475	204	283265	38.596	ng	100
62) 4-Nitroaniline	10.498	138	117372	39.267	ng	100
63) Azobenzene	10.639	77	641100	39.237	ng	100
65) 4,6-Dinitro-2-methylph...	10.522	198	55664	38.689	ng	100
66) n-Nitrosodiphenylamine	10.592	169	496856	38.604	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	179972	39.046	ng	100
68) Hexachlorobenzene	11.028	284	191471	38.721	ng	100
69) Atrazine	11.116	200	128290	32.637	ng	100
70) Pentachlorophenol	11.216	266	129718	41.067	ng	100
71) Phenanthrene	11.445	178	841782	38.074	ng	100
72) Anthracene	11.498	178	829107	38.345	ng	100
73) Carbazole	11.651	167	775601	38.414	ng	100
74) Di-n-butylphthalate	11.986	149	886730	37.876	ng	100
75) Fluoranthene	12.633	202	913112	38.695	ng	100
77) Benzidine	12.751	184	279676	48.896	ng	100
78) Pyrene	12.863	202	934909	40.458	ng	100
80) Butylbenzylphthalate	13.486	149	337836	42.258	ng	100
81) Benzo(a)anthracene	14.045	228	720739	39.595	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	193070	37.946	ng	100
83) Chrysene	14.086	228	638450	38.696	ng	100
84) Bis(2-ethylhexyl)phtha...	14.045	149	431238	40.689	ng	100
85) Di-n-octyl phthalate	14.663	149	570241	38.335	ng	100
87) Indeno(1,2,3-cd)pyrene	17.015	276	559590	44.364	ng	100
88) Benzo(b)fluoranthene	15.098	252	541644	38.549	ng	100
89) Benzo(k)fluoranthene	15.133	252	463624	39.617	ng	99
90) Benzo(a)pyrene	15.469	252	437250	39.383	ng	100
91) Dibenzo(a,h)anthracene	17.039	278	464705	44.880	ng	100
92) Benzo(g,h,i)perylene	17.463	276	476605	40.737	ng	100

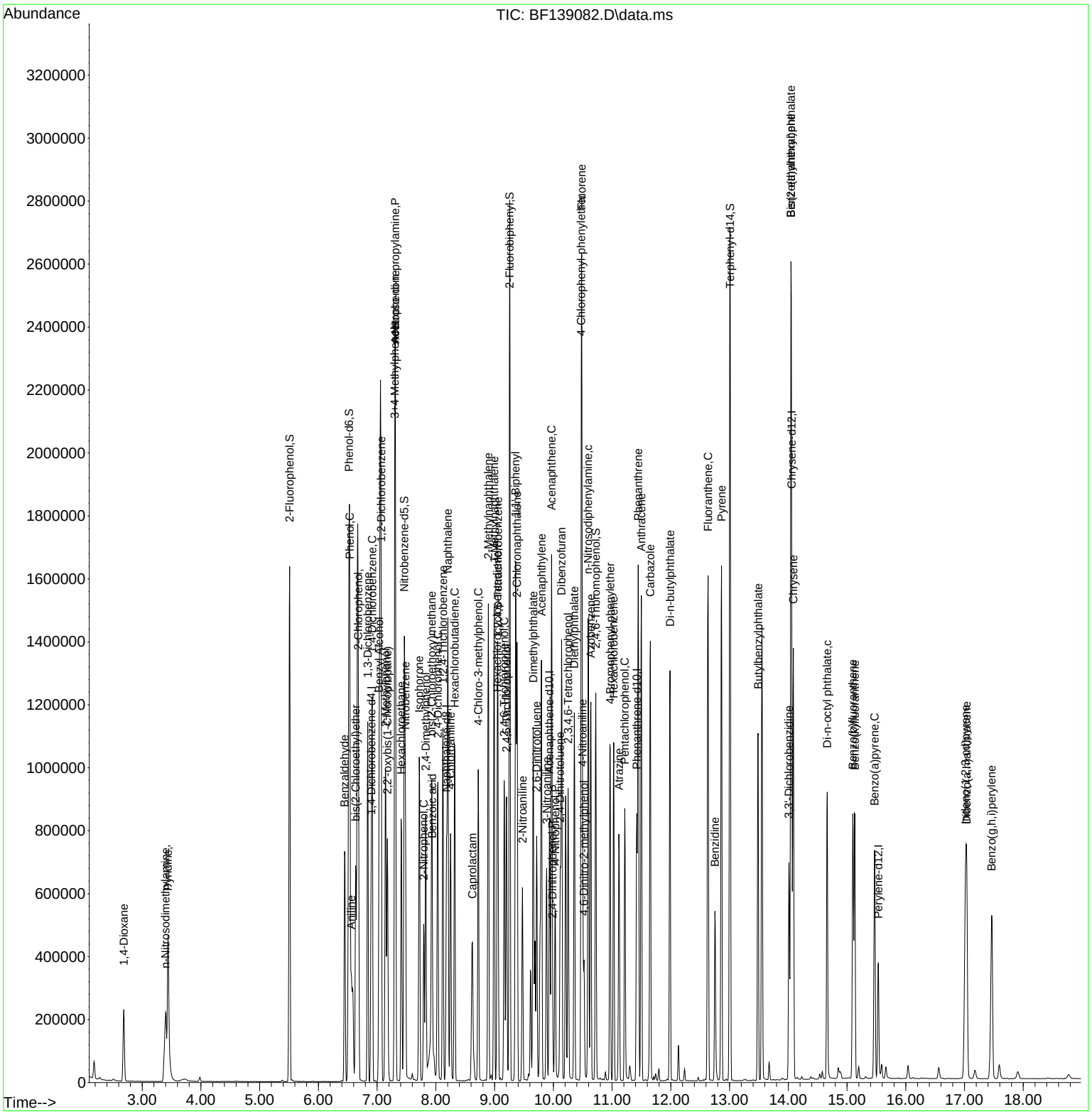
(#) = qualifier out of range (m) = manual integration (+) = signals summed

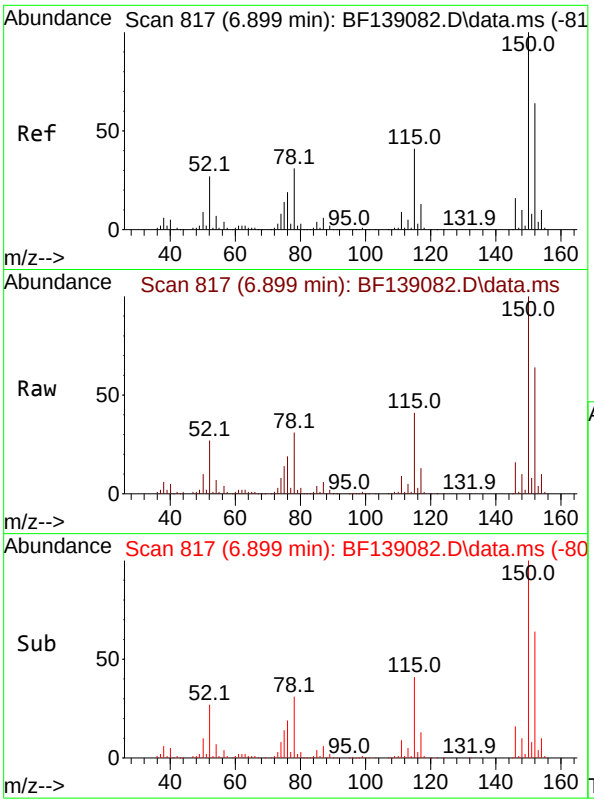
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139082.D
Acq On : 20 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 21 01:15:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration



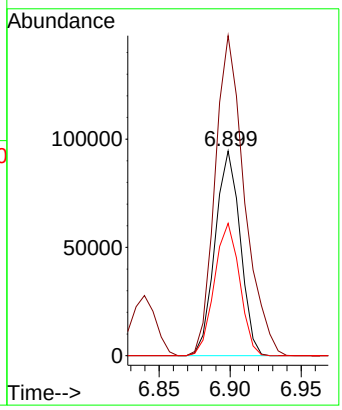


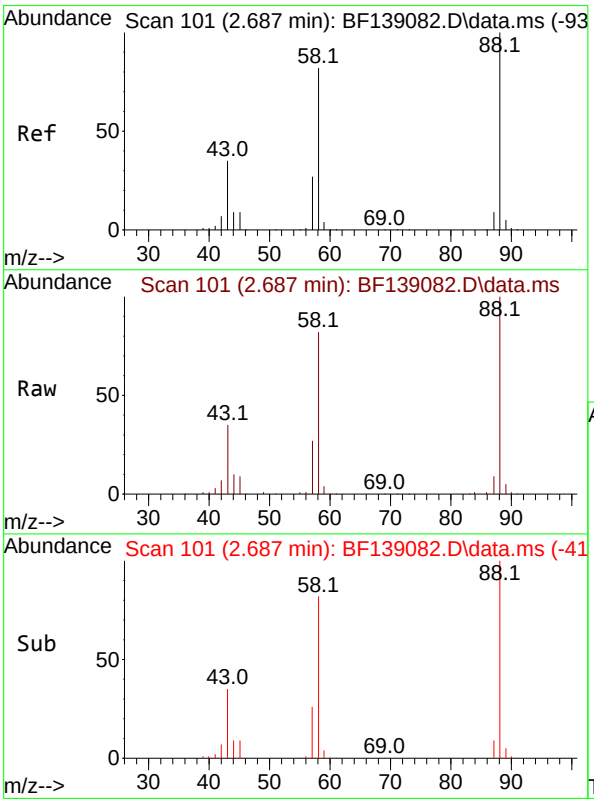
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.899 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 116386

Ion	Ratio	Lower	Upper
152	100		
150	156.4	125.1	187.7
115	64.7	51.8	77.6

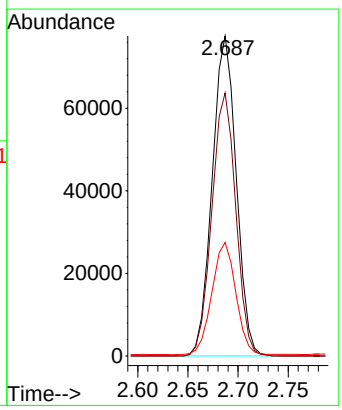


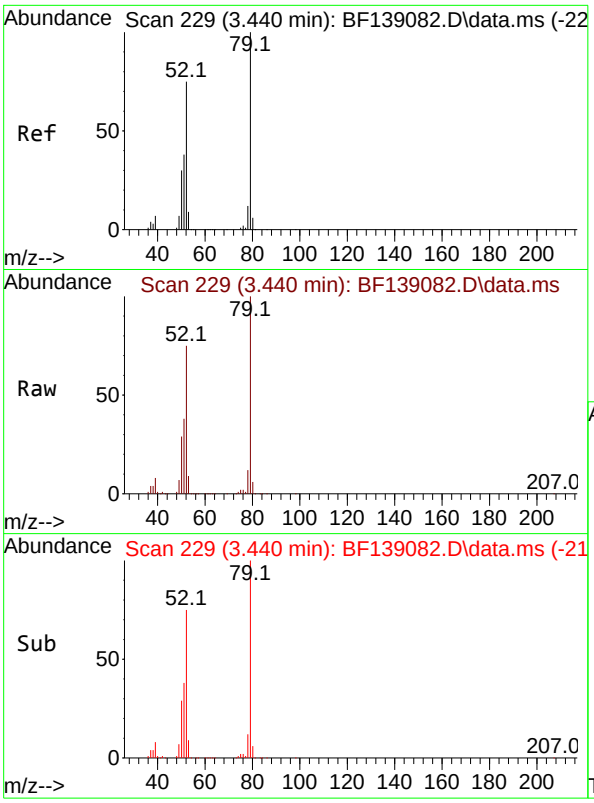


#2
1,4-Dioxane
Concen: 39.671 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 88 Resp: 128717

Ion	Ratio	Lower	Upper
88	100		
58	81.7	65.4	98.0
43	34.9	27.9	41.9



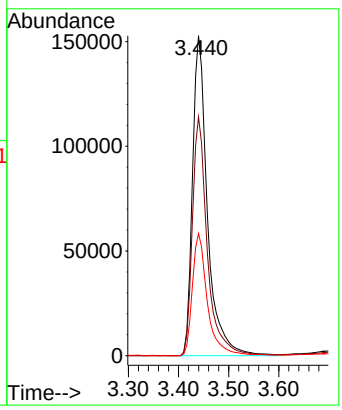


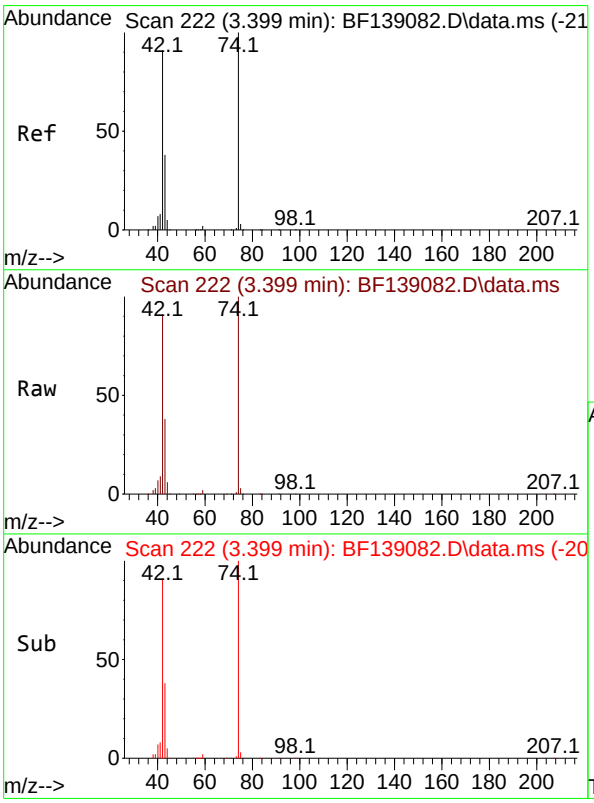
#3
Pyridine
Concen: 38.434 ng
RT: 3.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 316890

Ion	Ratio	Lower	Upper
79	100		
52	74.6	59.7	89.5
51	38.2	30.6	45.8

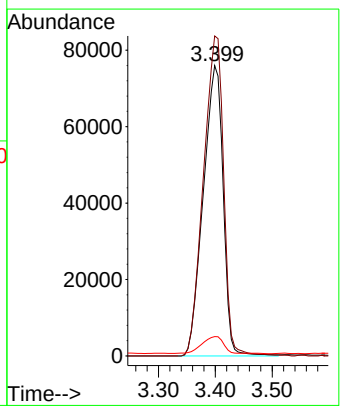


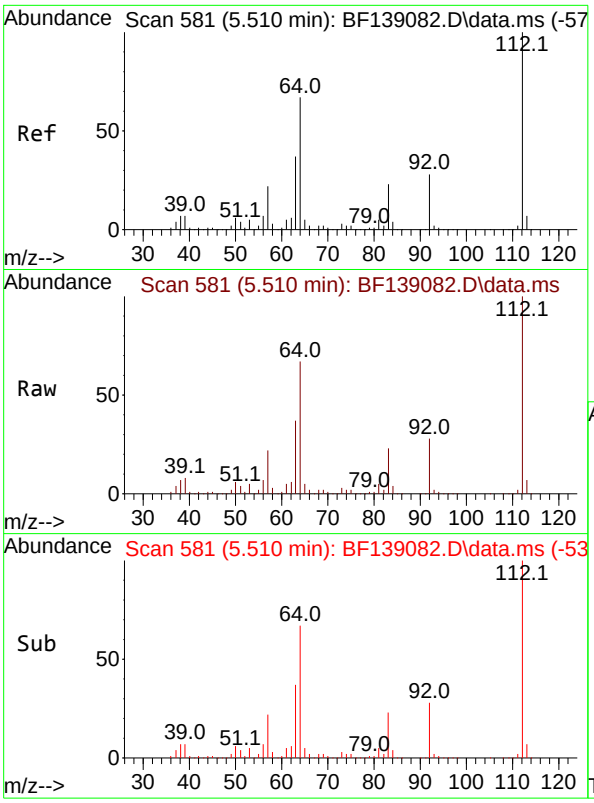


#4
n-Nitrosodimethylamine
Concen: 37.084 ng
RT: 3.399 min Scan# 222
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 42 Resp: 184710

Ion	Ratio	Lower	Upper
42	100		
74	110.2	88.2	132.2
44	6.7	5.4	8.0



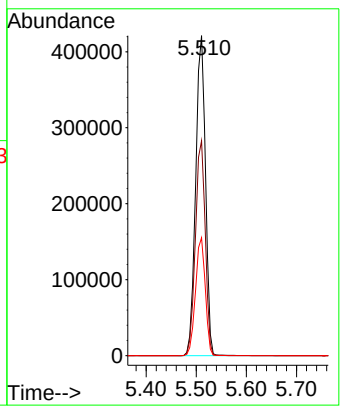


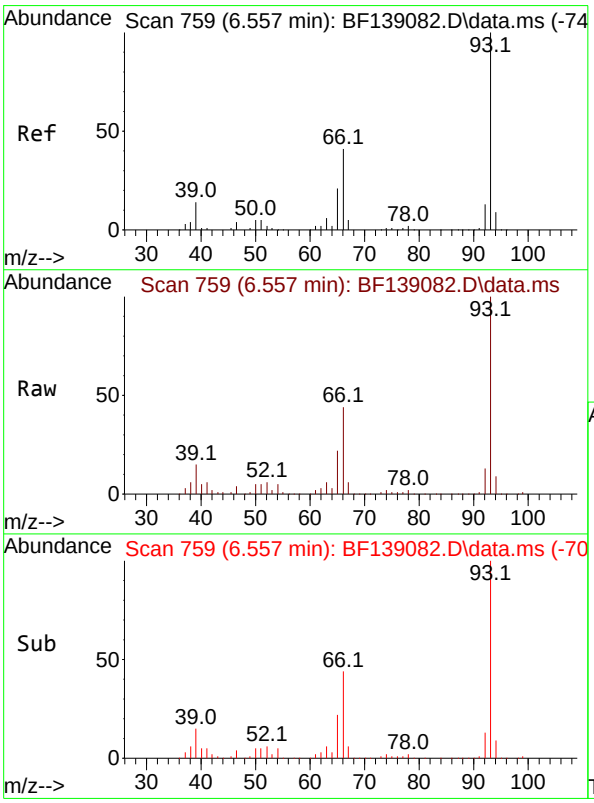
#5
2-Fluorophenol
Concen: 75.418 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 570519

Ion	Ratio	Lower	Upper
112	100		
64	67.2	53.8	80.6
63	36.8	29.4	44.2

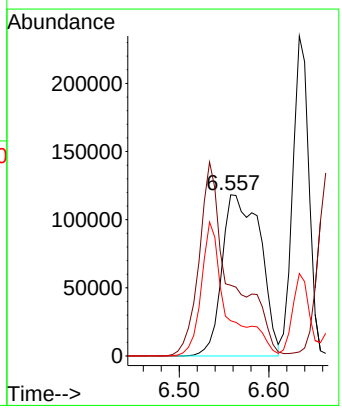


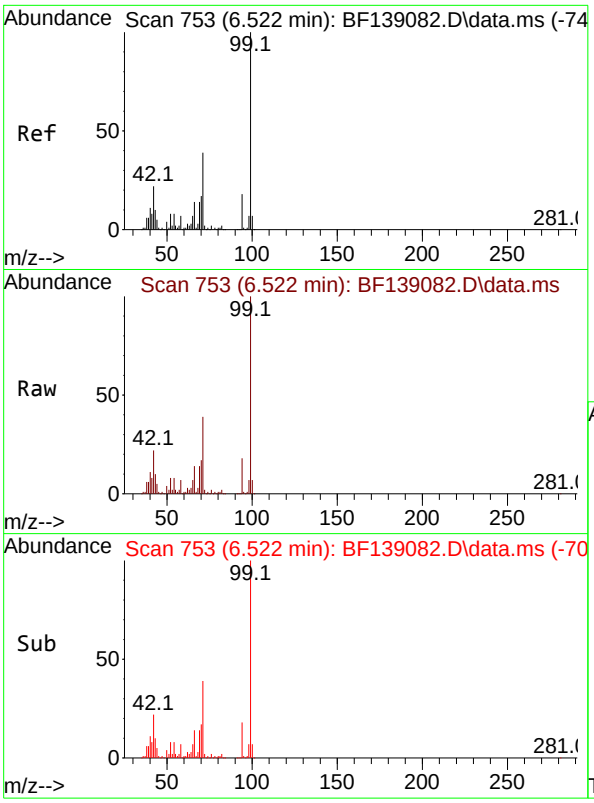


#6
Aniline
Concen: 39.867 ng
RT: 6.557 min Scan# 759
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 93 Resp: 351788

Ion	Ratio	Lower	Upper
93	100		
66	43.9	35.1	52.7
65	21.8	17.4	26.2



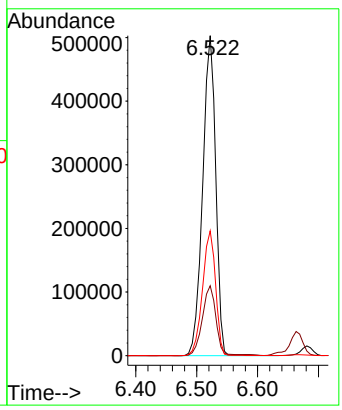


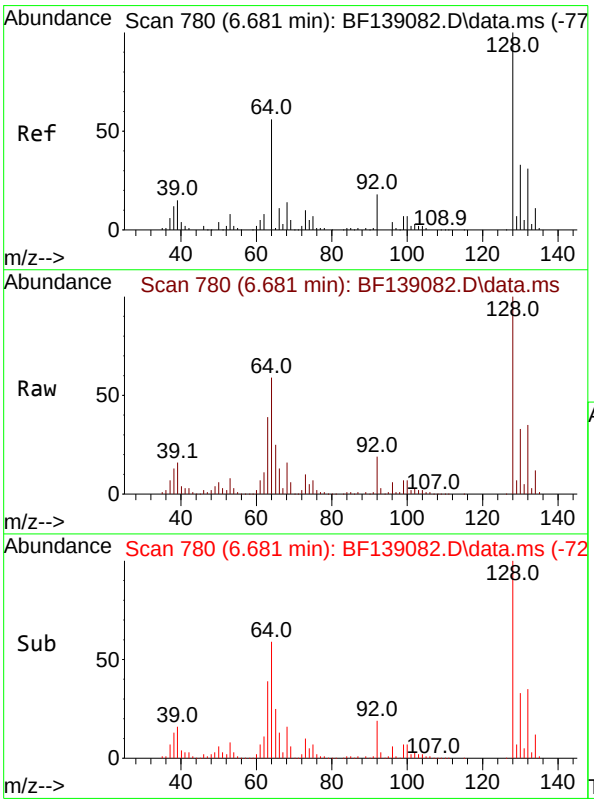
#7
Phenol-d6
Concen: 76.762 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 750326

Ion	Ratio	Lower	Upper
99	100		
42	21.8	17.4	26.2
71	39.0	31.2	46.8

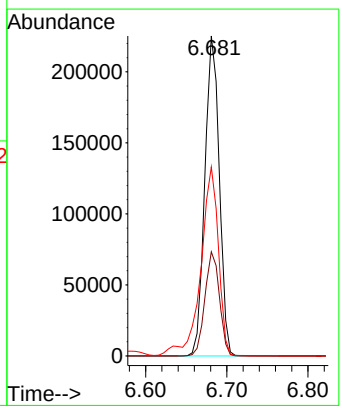


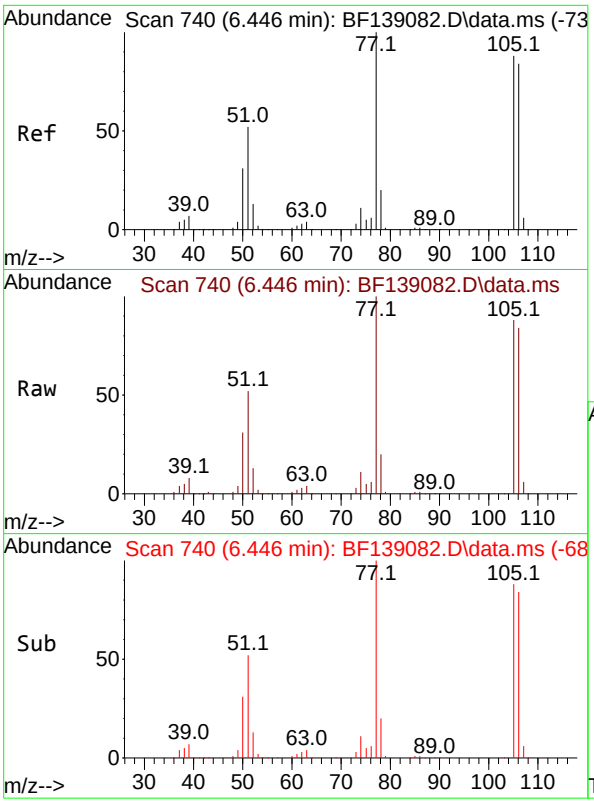


#8
2-Chlorophenol
Concen: 38.193 ng
RT: 6.681 min Scan# 780
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:128 Resp: 277899

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	59.1	39.1	79.1



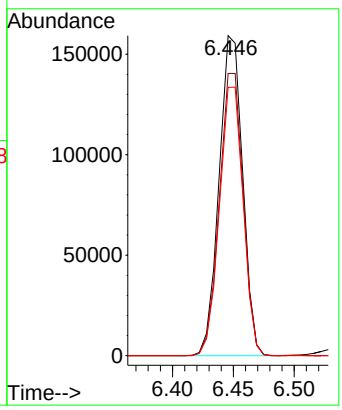


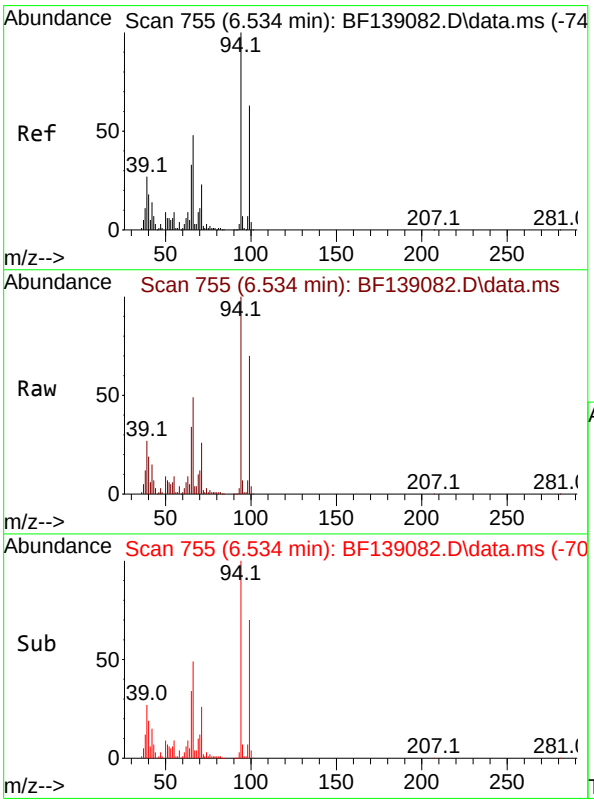
#9
Benzaldehyde
Concen: 37.382 ng
RT: 6.446 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 214301

Ion	Ratio	Lower	Upper
77	100		
105	88.2	68.2	108.2
106	83.8	63.8	103.8

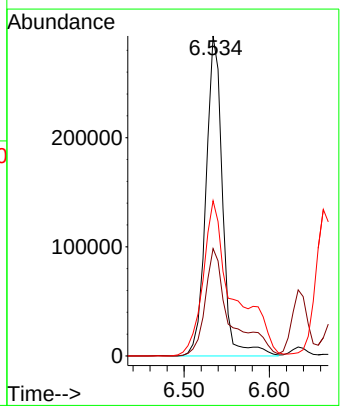


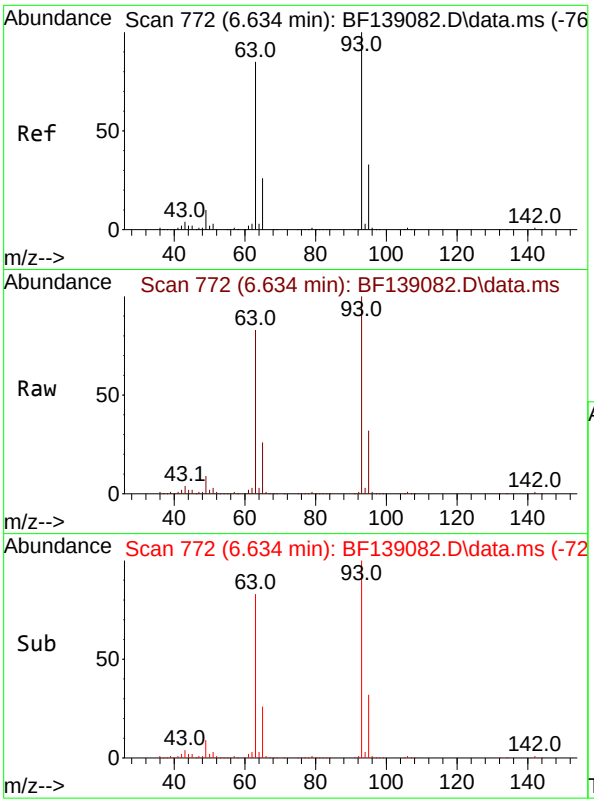


#10
Phenol
Concen: 39.123 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 94 Resp: 397897

Ion	Ratio	Lower	Upper
94	100		
65	33.5	13.5	53.5
66	48.5	28.5	68.5



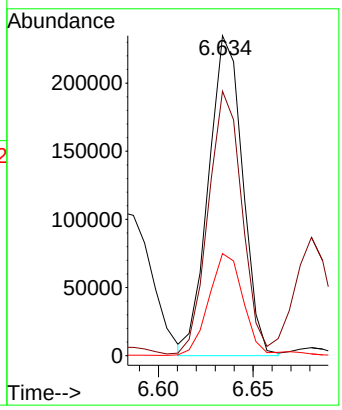


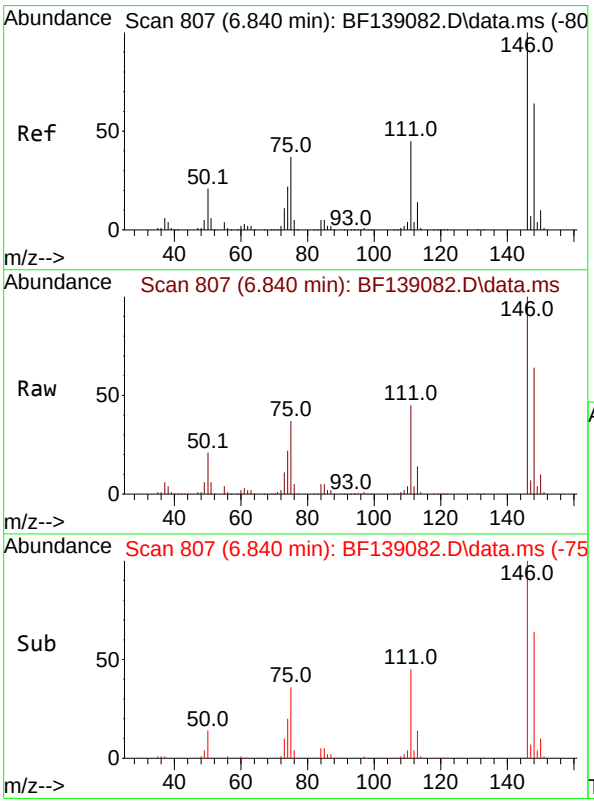
#11
bis(2-Chloroethyl)ether
Concen: 36.025 ng
RT: 6.634 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 293529

Ion	Ratio	Lower	Upper
93	100		
63	82.7	62.7	102.7
95	31.9	11.9	51.9

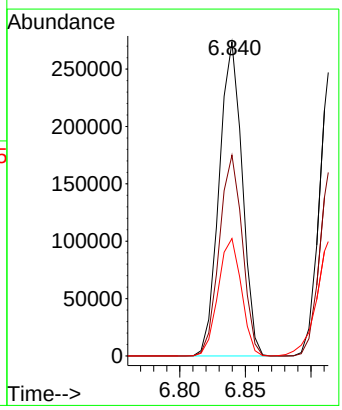


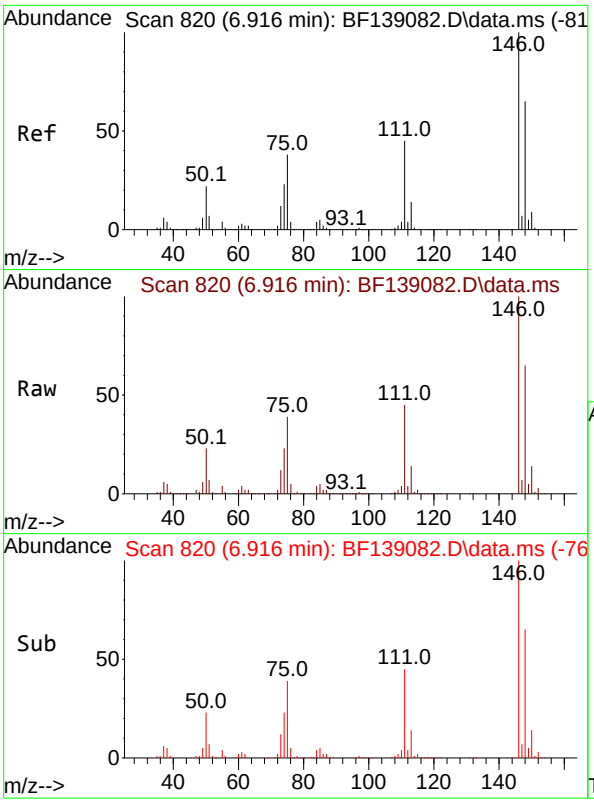


#12
1,3-Dichlorobenzene
Concen: 38.159 ng
RT: 6.840 min Scan# 807
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:146 Resp: 333826

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
75	37.4	29.9	44.9



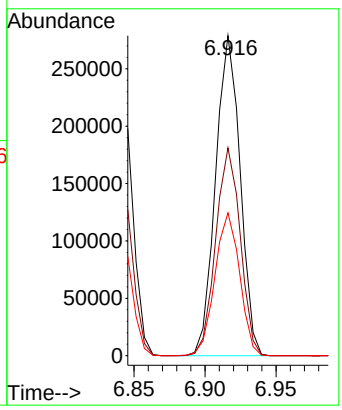


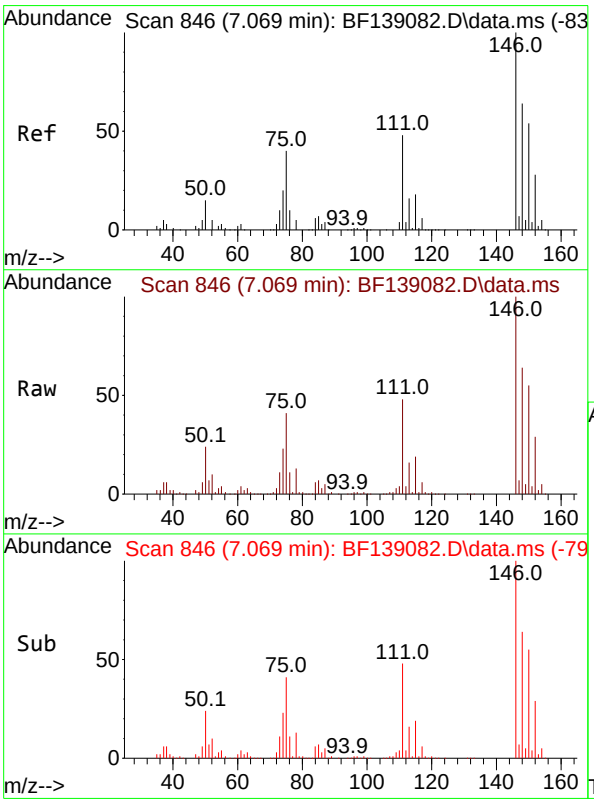
#13
1,4-Dichlorobenzene
Concen: 38.312 ng
RT: 6.916 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 335105

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.9	77.9
111	44.7	35.8	53.6

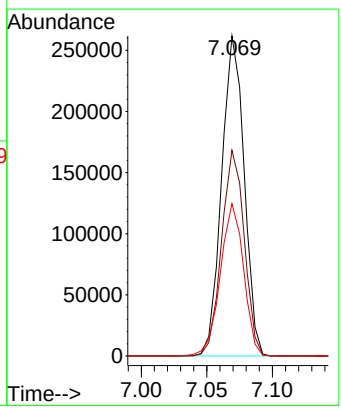


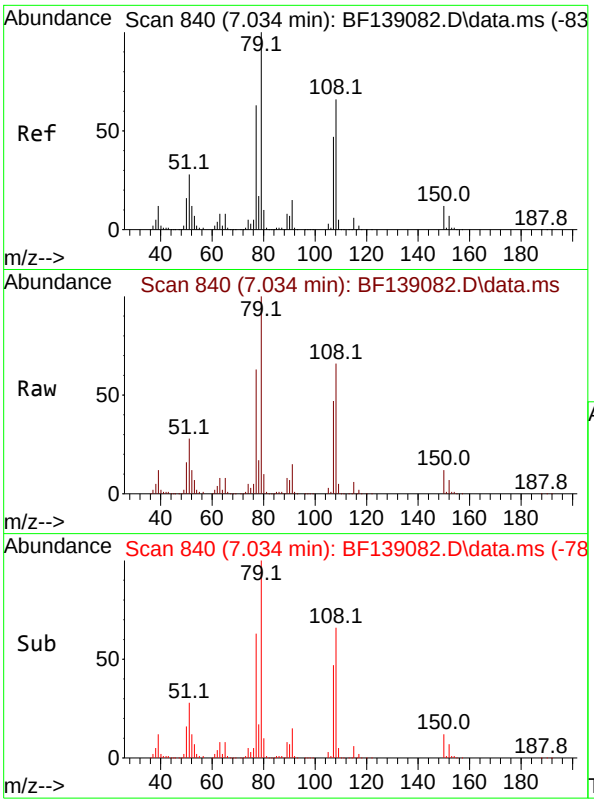


#14
1,2-Dichlorobenzene
Concen: 39.055 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:146 Resp: 312202

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
111	47.6	38.1	57.1



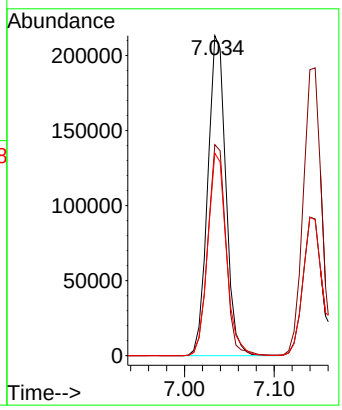


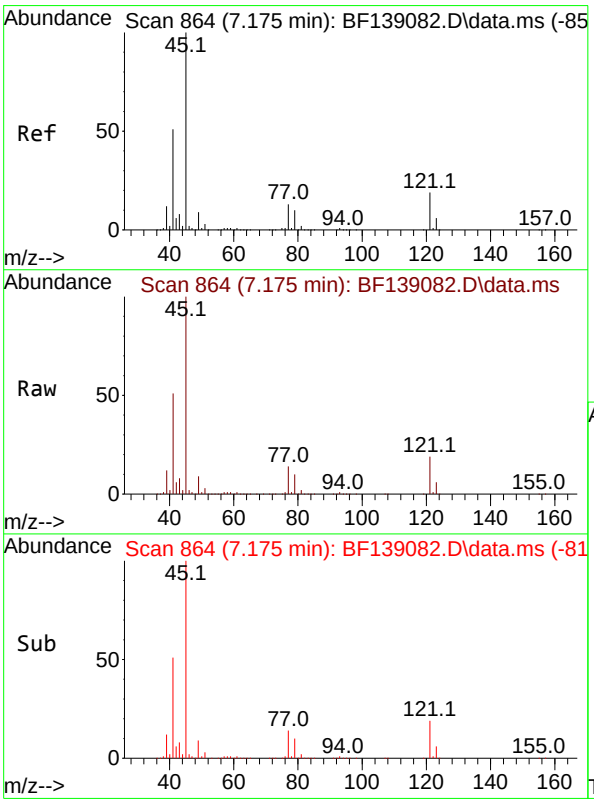
#15
Benzyl Alcohol
Concen: 38.564 ng
RT: 7.034 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 297924

Ion	Ratio	Lower	Upper
79	100		
108	66.0	52.8	79.2
77	63.3	50.6	76.0

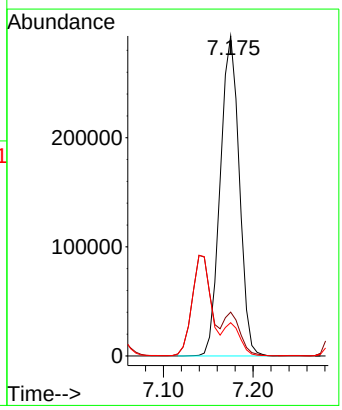


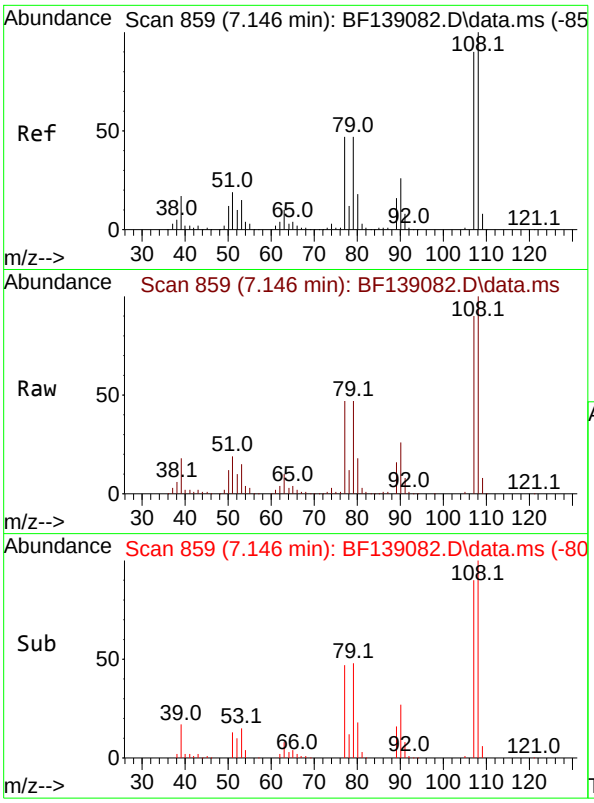


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.367 ng
RT: 7.175 min Scan# 864
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 45 Resp: 430526

Ion	Ratio	Lower	Upper
45	100		
77	13.7	0.0	33.7
79	10.4	0.0	30.4



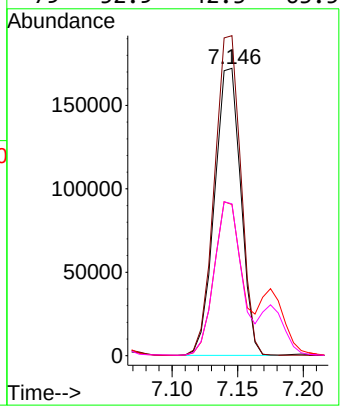


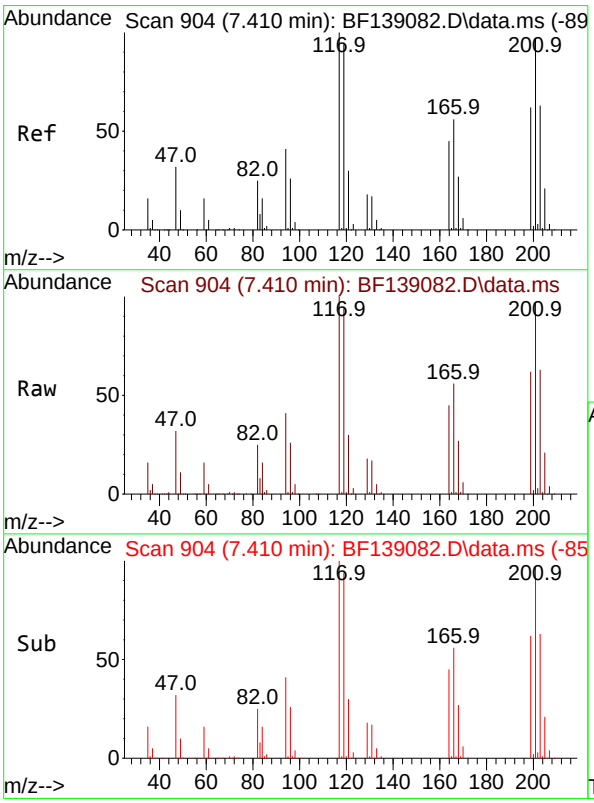
#17
2-Methylphenol
Concen: 38.491 ng
RT: 7.146 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 239599

Ion	Ratio	Lower	Upper
107	100		
108	111.4	89.1	133.7
77	52.6	42.1	63.1
79	52.9	42.3	63.5

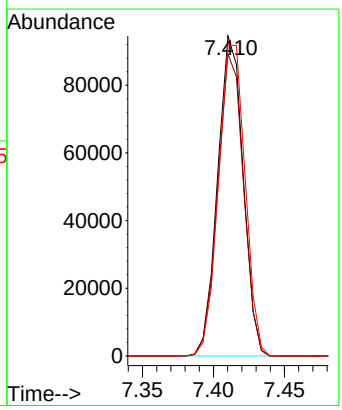


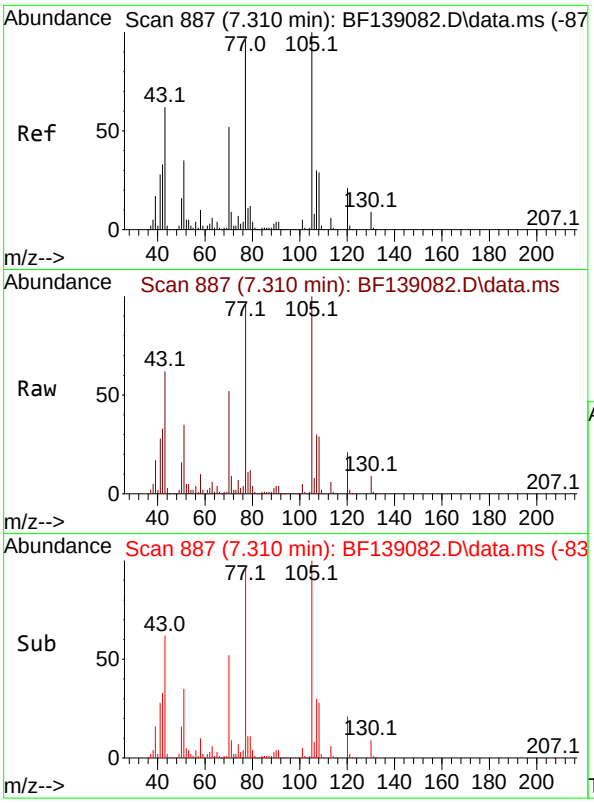


#18
Hexachloroethane
Concen: 38.445 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:117 Resp: 117917

Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.5	113.3
201	97.3	77.8	116.8



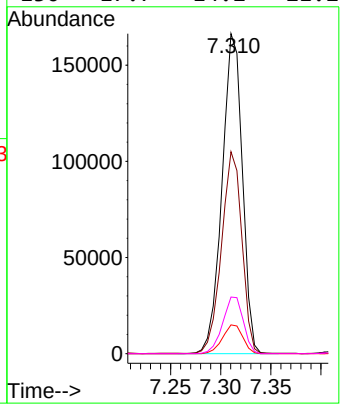


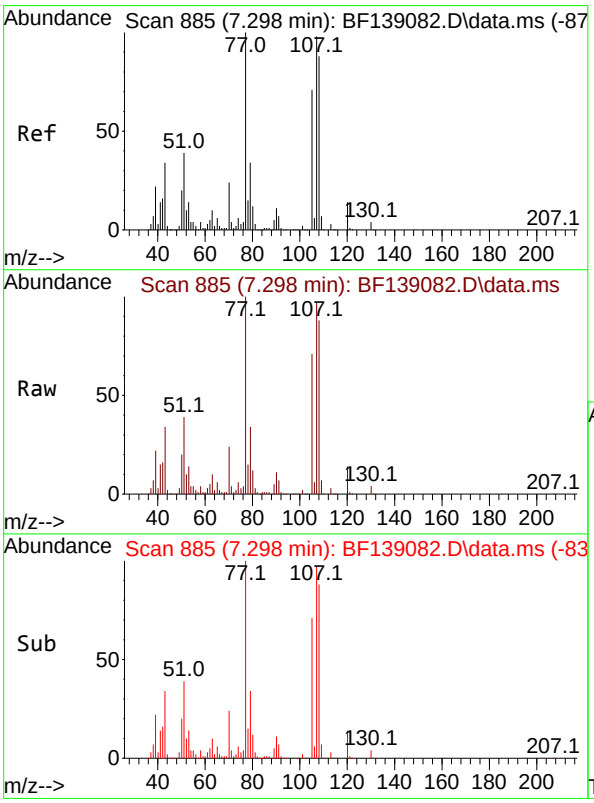
#19
n-Nitroso-di-n-propylamine
Concen: 36.446 ng
RT: 7.310 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 233952

Ion	Ratio	Lower	Upper
70	100		
42	63.1	50.5	75.7
101	9.0	7.2	10.8
130	17.7	14.2	21.2

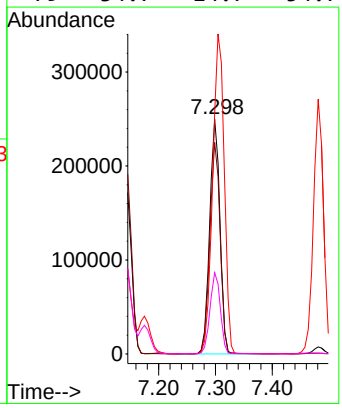


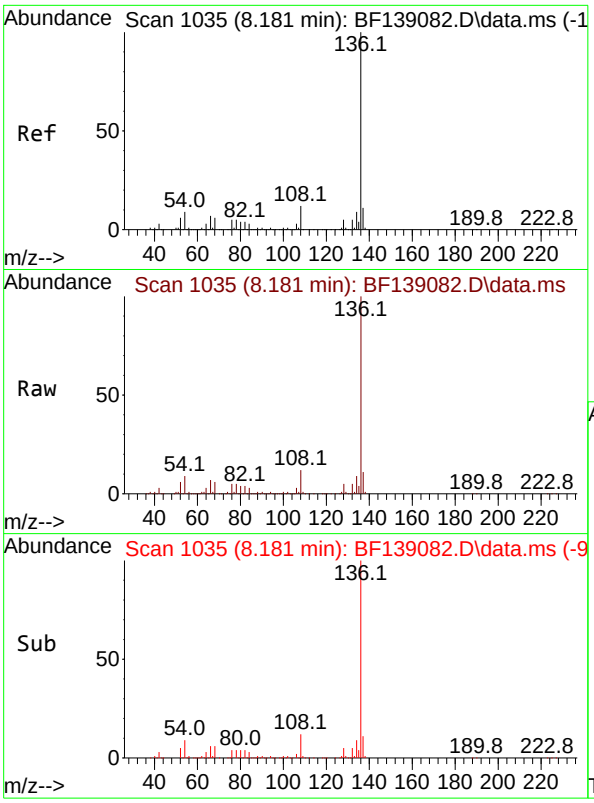


#20
3+4-Methylphenols
Concen: 38.920 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:107 Resp: 313893

Ion	Ratio	Lower	Upper
107	100		
108	90.2	70.2	110.2
77	102.7	82.7	122.7
79	34.7	14.7	54.7



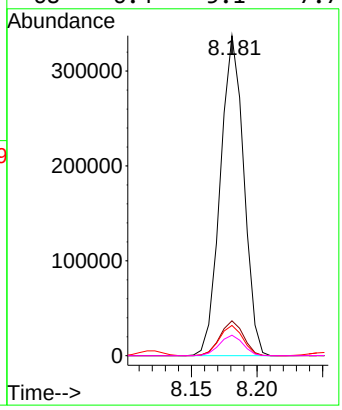


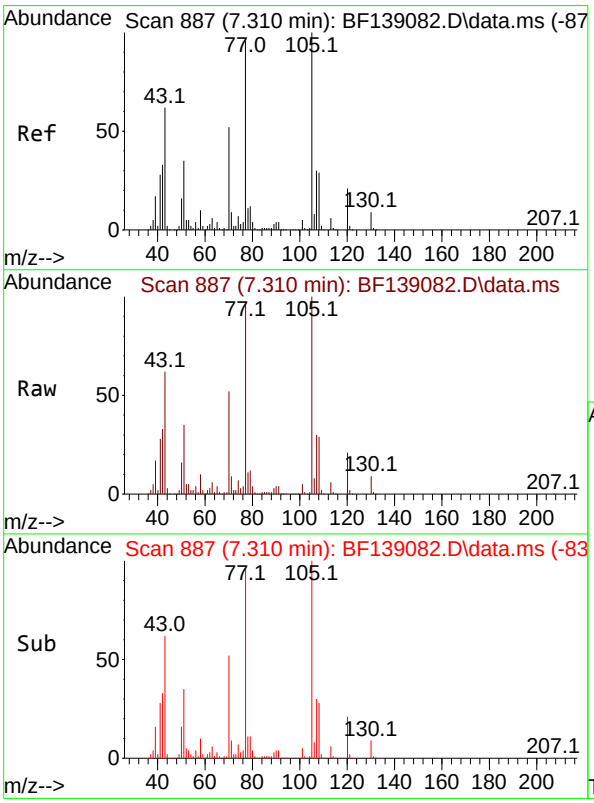
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 419218

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.5	7.6	11.4
68	6.4	5.1	7.7

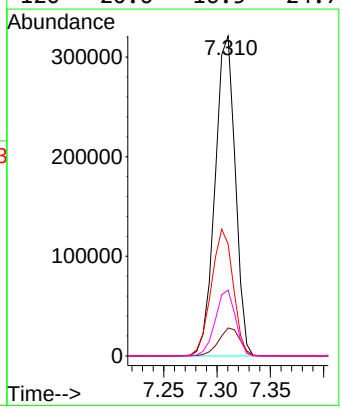


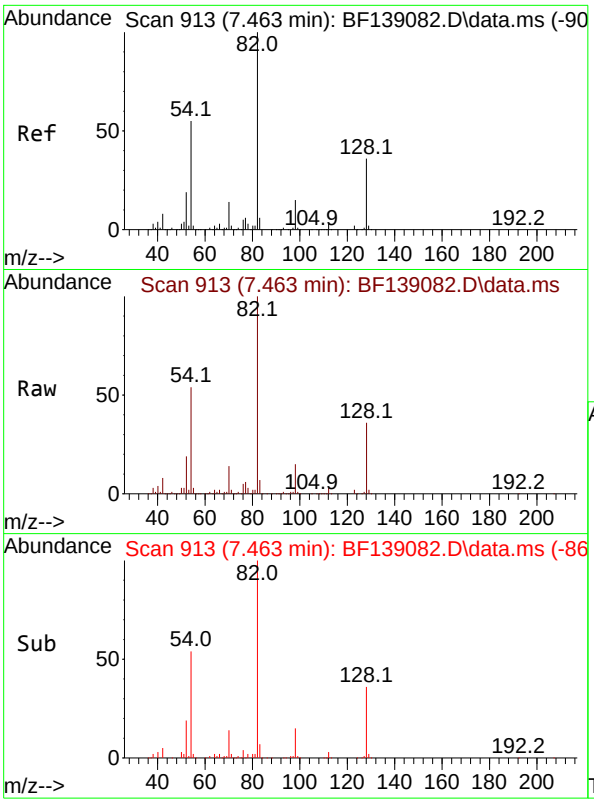


#22
Acetophenone
Concen: 39.483 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:105 Resp: 422626

Ion	Ratio	Lower	Upper
105	100		
71	8.8	7.0	10.6
51	35.0	28.0	42.0
120	20.6	16.5	24.7



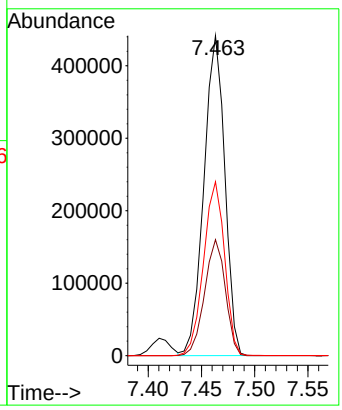


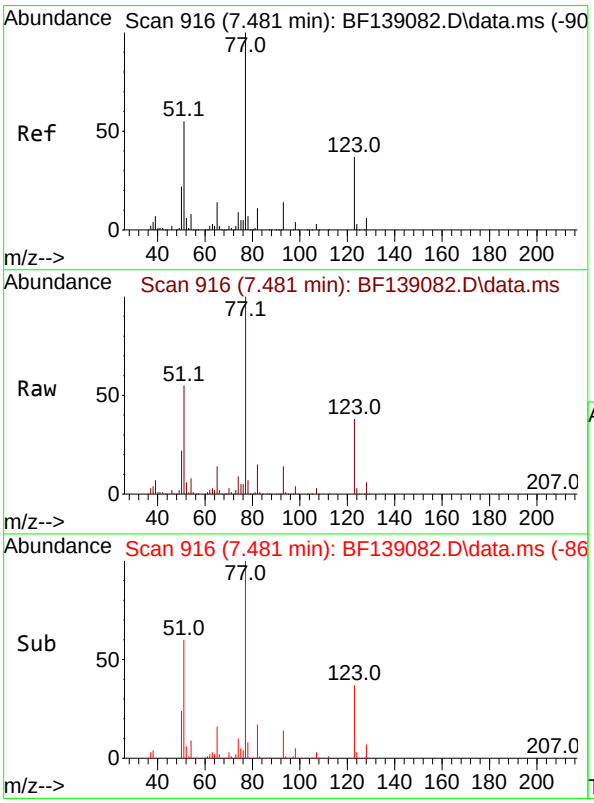
#23
Nitrobenzene-d5
Concen: 83.886 ng
RT: 7.463 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 603508

Ion	Ratio	Lower	Upper
82	100		
128	36.2	29.0	43.4
54	54.3	43.4	65.2

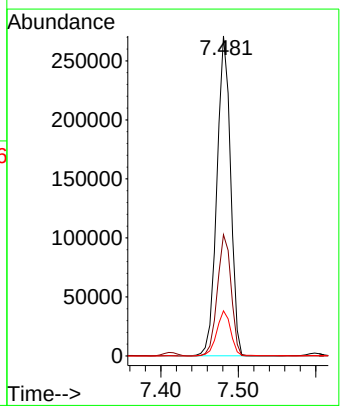


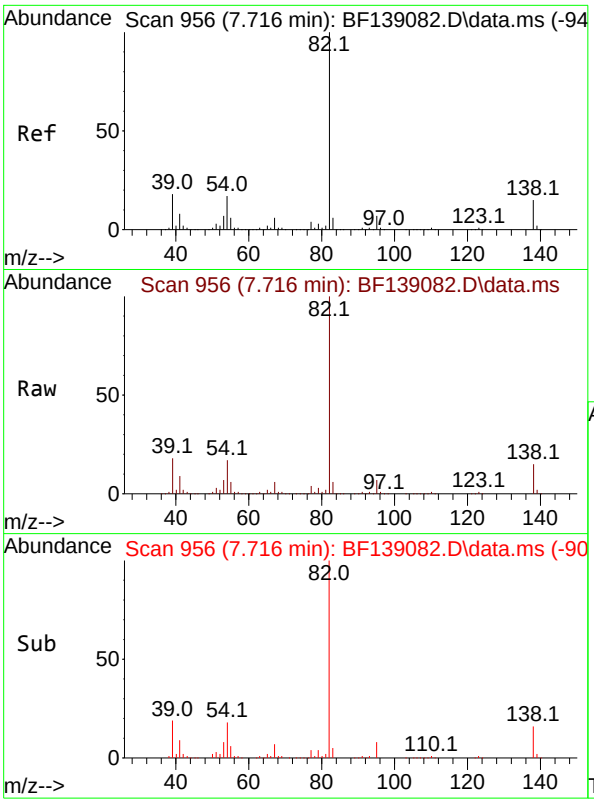


#24
Nitrobenzene
Concen: 41.450 ng
RT: 7.481 min Scan# 916
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 77 Resp: 331465

Ion	Ratio	Lower	Upper
77	100		
123	37.9	30.3	45.5
65	14.1	11.3	16.9



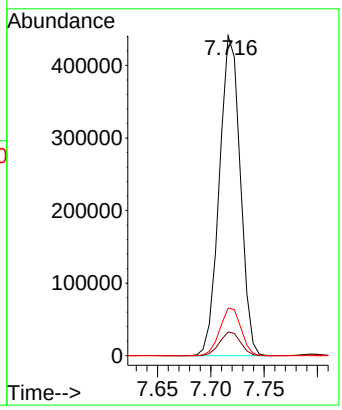


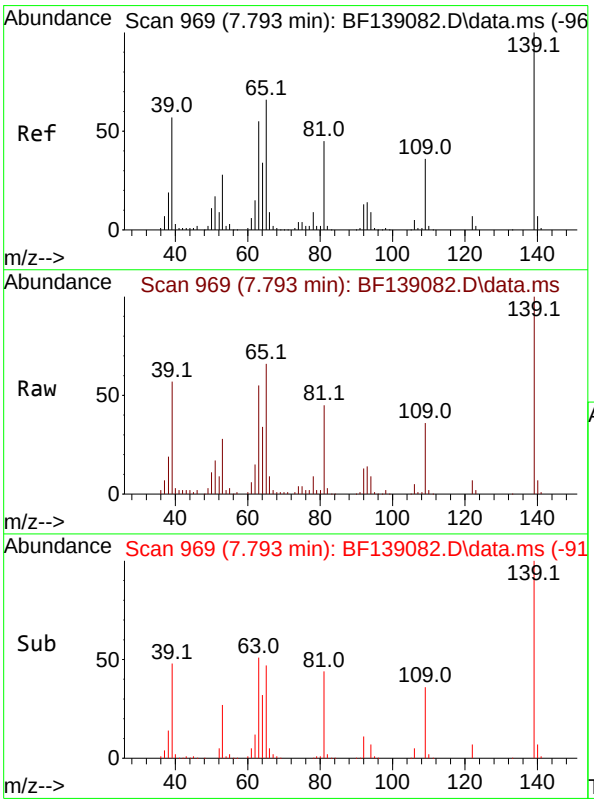
#25
Isophorone
Concen: 39.311 ng
RT: 7.716 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 601123

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.9	8.9
138	14.8	11.8	17.8

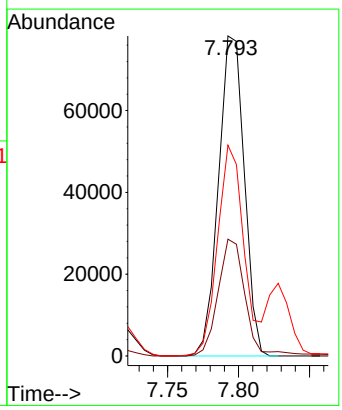


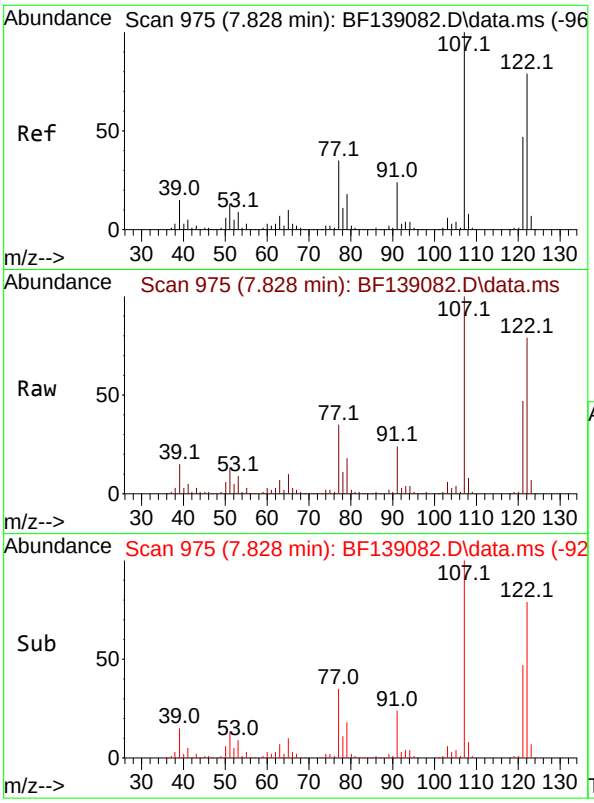


#26
2-Nitrophenol
Concen: 36.903 ng
RT: 7.793 min Scan# 969
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:139 Resp: 98825

Ion	Ratio	Lower	Upper
139	100		
109	36.5	29.2	43.8
65	65.9	52.7	79.1



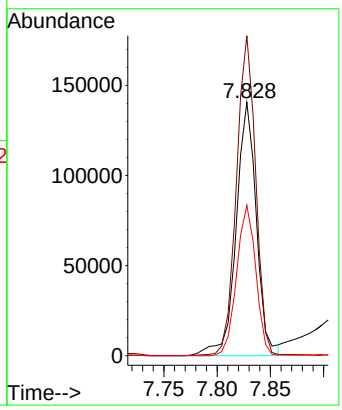


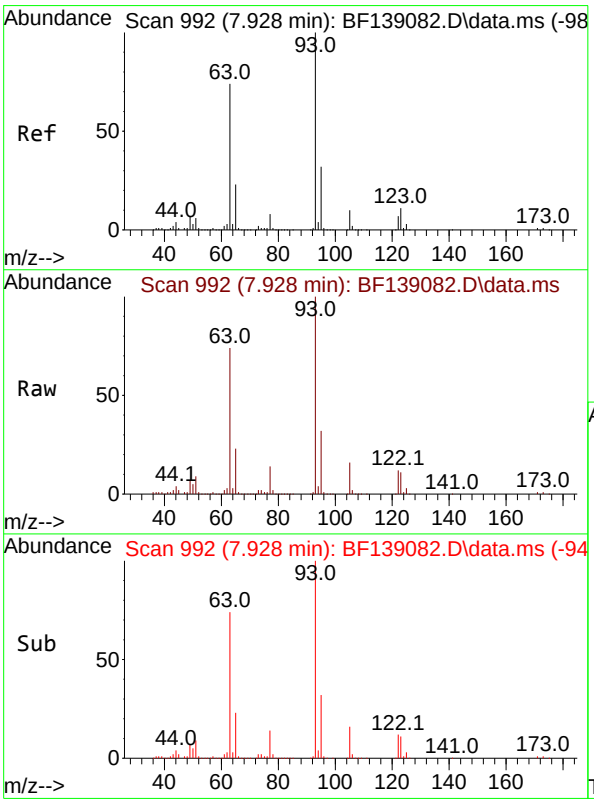
#27
2,4-Dimethylphenol
Concen: 38.504 ng
RT: 7.828 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 186706

Ion	Ratio	Lower	Upper
122	100		
107	126.4	101.1	151.7
121	59.4	47.5	71.3

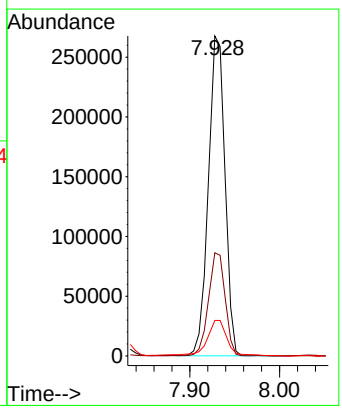


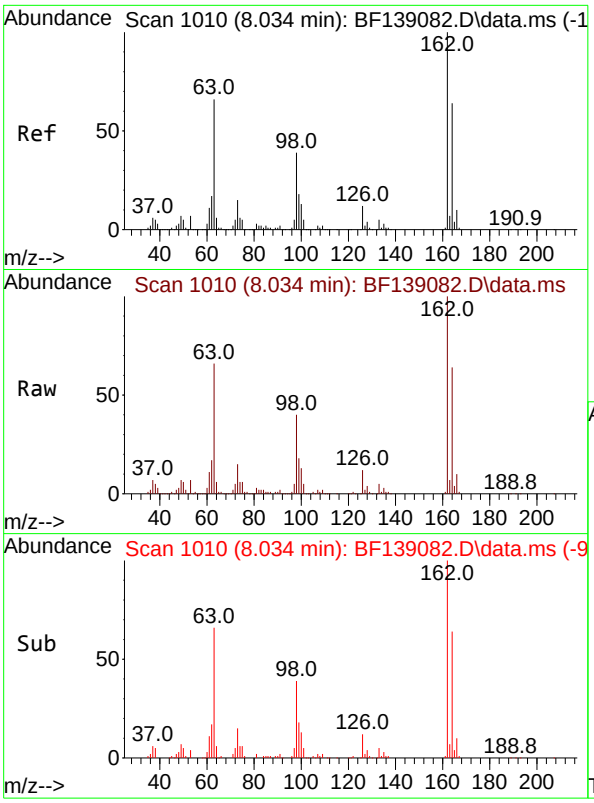


#28
bis(2-Chloroethoxy)methane
Concen: 38.488 ng
RT: 7.928 min Scan# 992
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 93 Resp: 343887

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.8	38.8
123	11.1	8.9	13.3



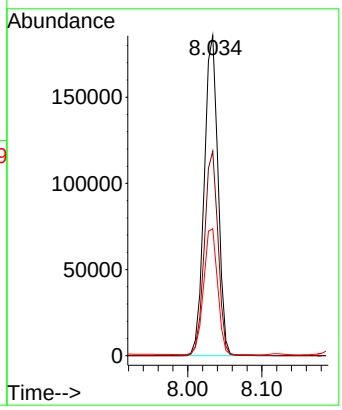


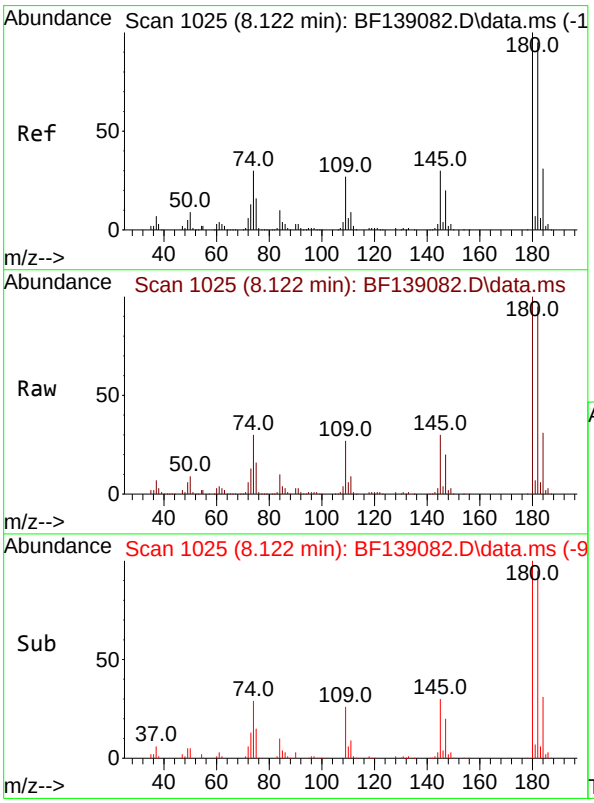
#29
2,4-Dichlorophenol
Concen: 39.822 ng
RT: 8.034 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 240567

Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.9	83.9
98	39.7	19.7	59.7

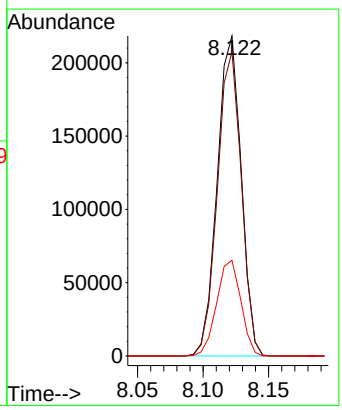


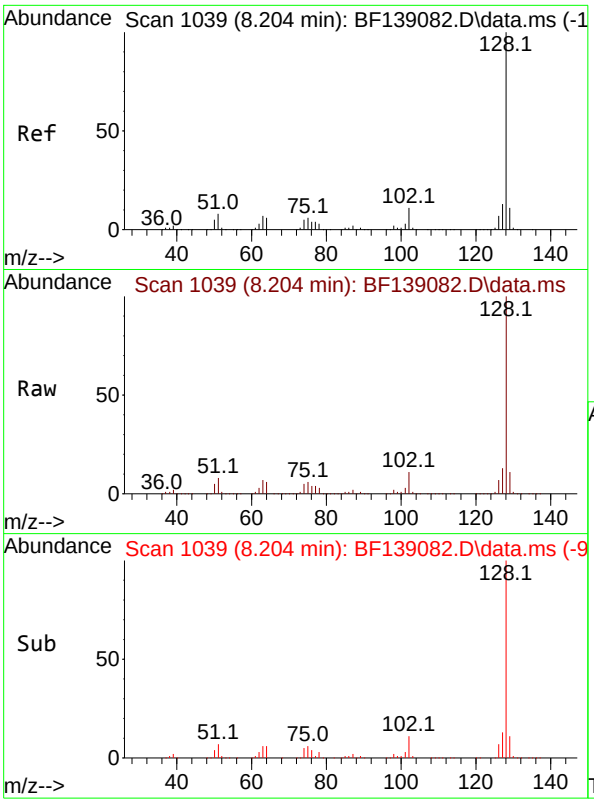


#30
1,2,4-Trichlorobenzene
Concen: 39.203 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:180 Resp: 277308

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
145	29.9	23.9	35.9



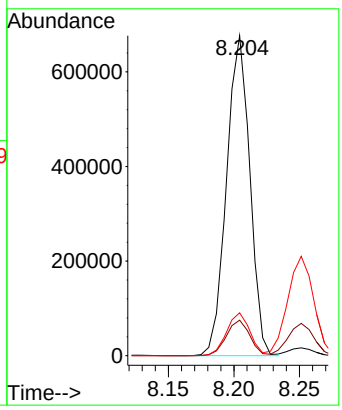


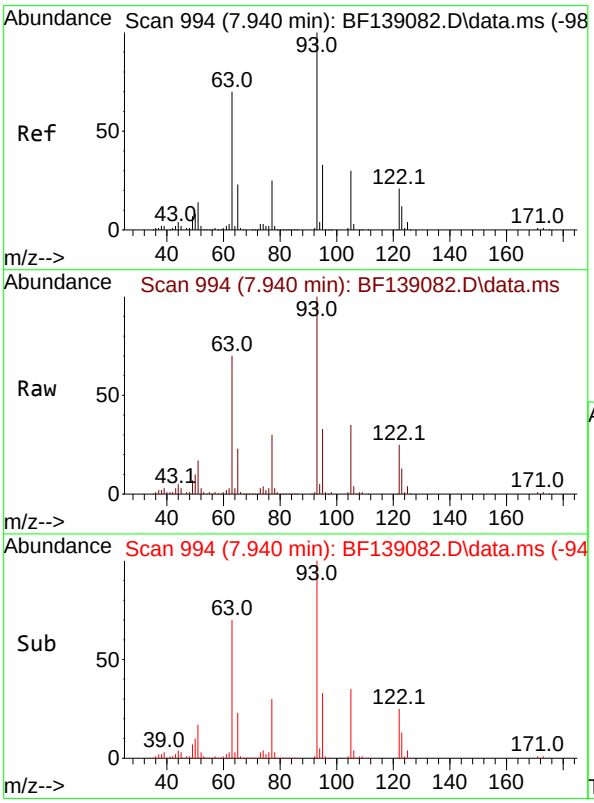
#31
Naphthalene
Concen: 39.352 ng
RT: 8.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 835988

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.4	10.7	16.1

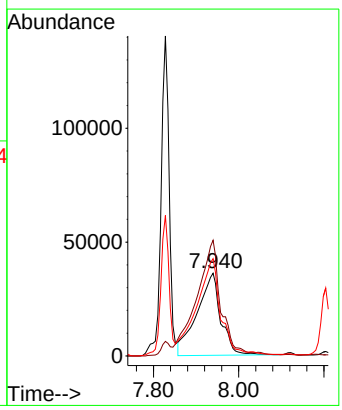


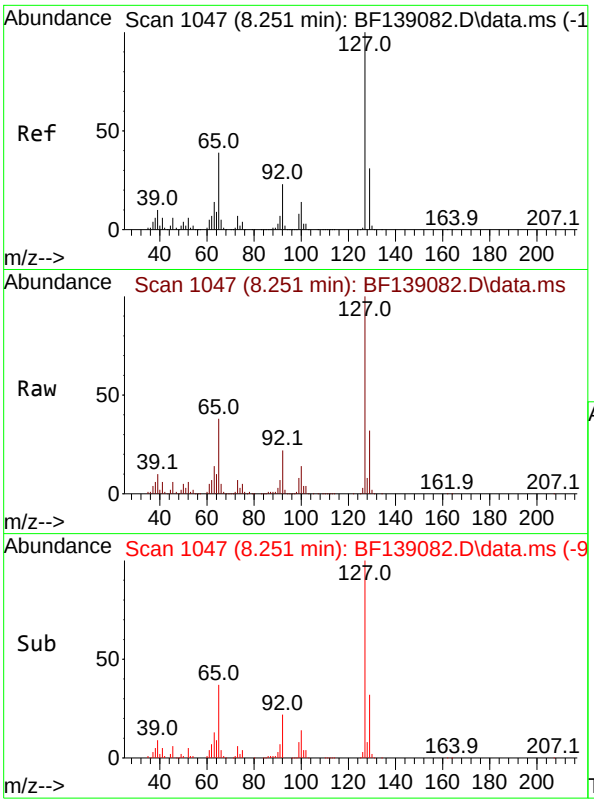


#32
Benzoic acid
Concen: 36.768 ng
RT: 7.940 min Scan# 994
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:122 Resp: 139727

Ion	Ratio	Lower	Upper
122	100		
105	139.6	119.6	159.6
77	117.6	97.6	137.6



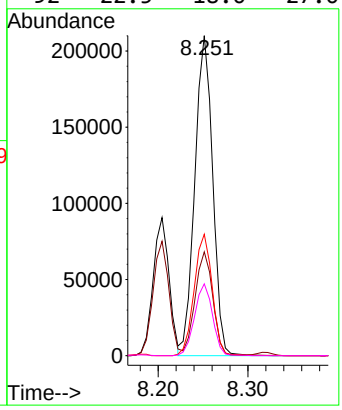


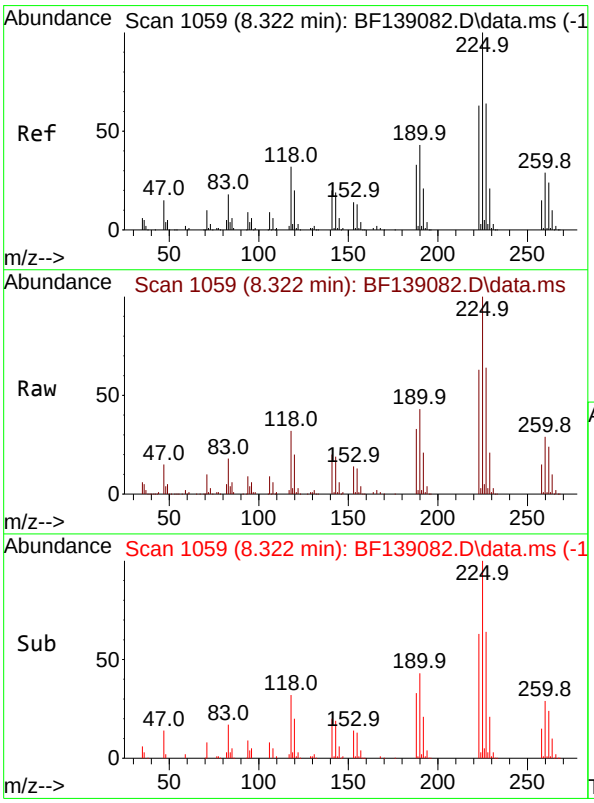
#33
4-Chloroaniline
Concen: 39.963 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 290750

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.0	39.0
65	37.9	30.3	45.5
92	22.5	18.0	27.0

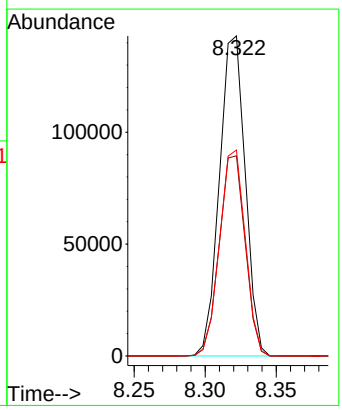


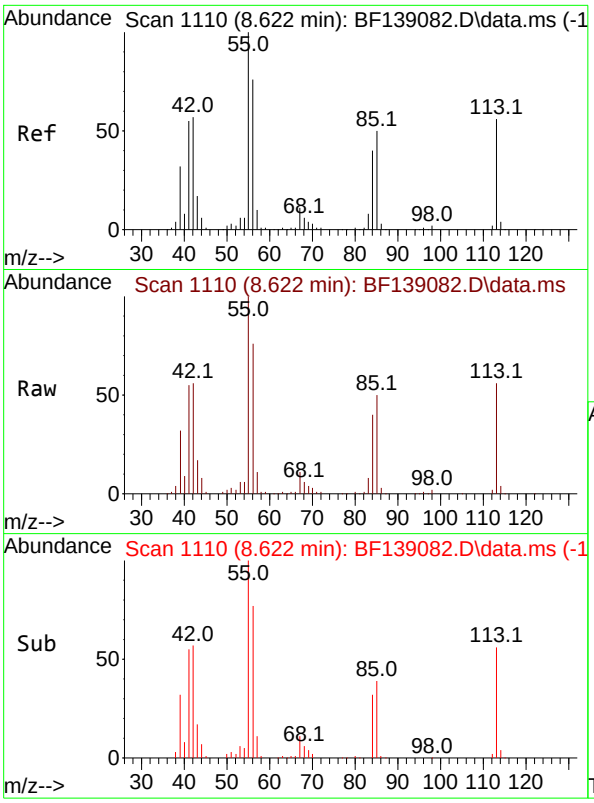


#34
Hexachlorobutadiene
Concen: 39.122 ng
RT: 8.322 min Scan# 1059
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:225 Resp: 180774

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.0	75.0
227	64.3	51.4	77.2



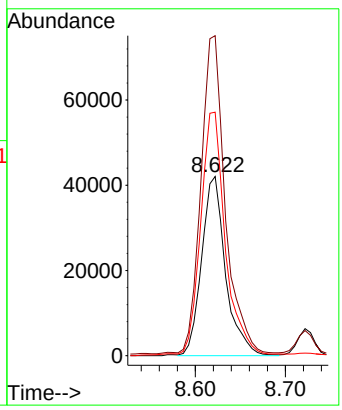


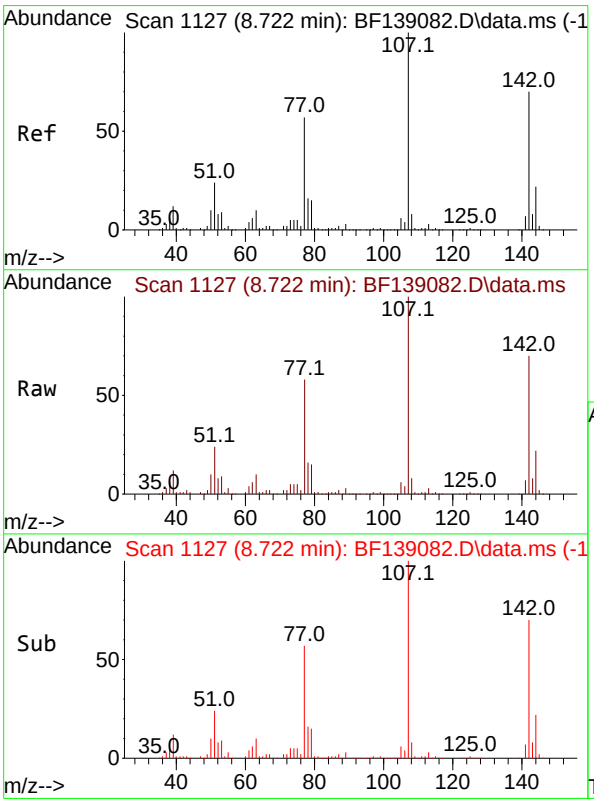
#35
Caprolactam
Concen: 40.489 ng m
RT: 8.622 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 77537

Ion	Ratio	Lower	Upper
113	100		
55	178.6	158.6	198.6
56	135.9	115.9	155.9

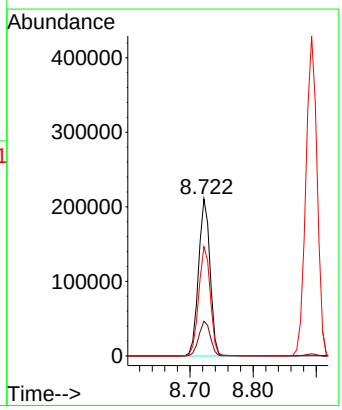


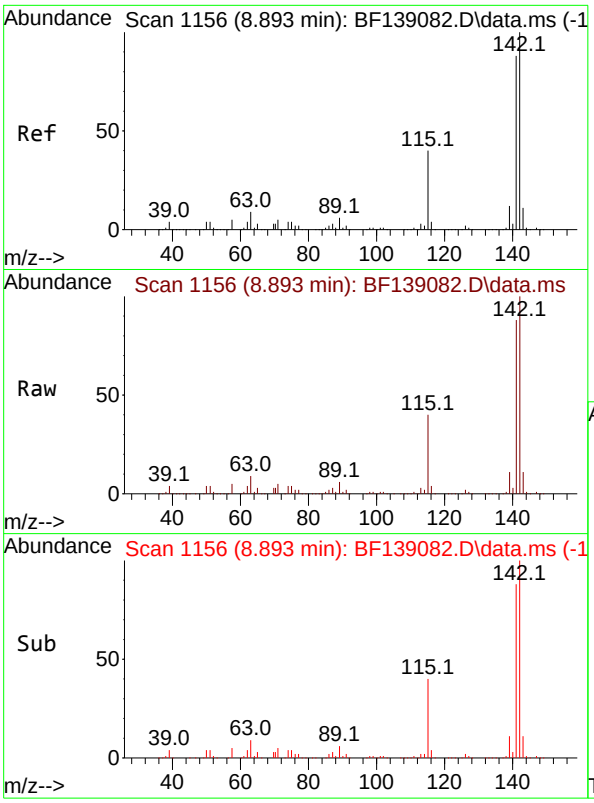


#36
4-Chloro-3-methylphenol
Concen: 39.954 ng
RT: 8.722 min Scan# 1127
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:107 Resp: 267245

Ion	Ratio	Lower	Upper
107	100		
144	22.1	17.7	26.5
142	69.5	55.6	83.4



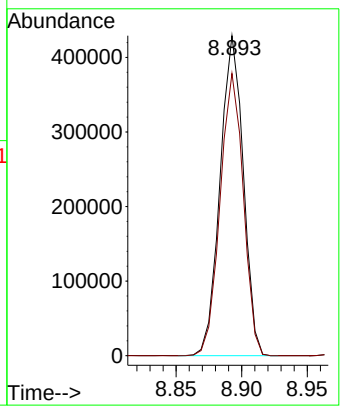


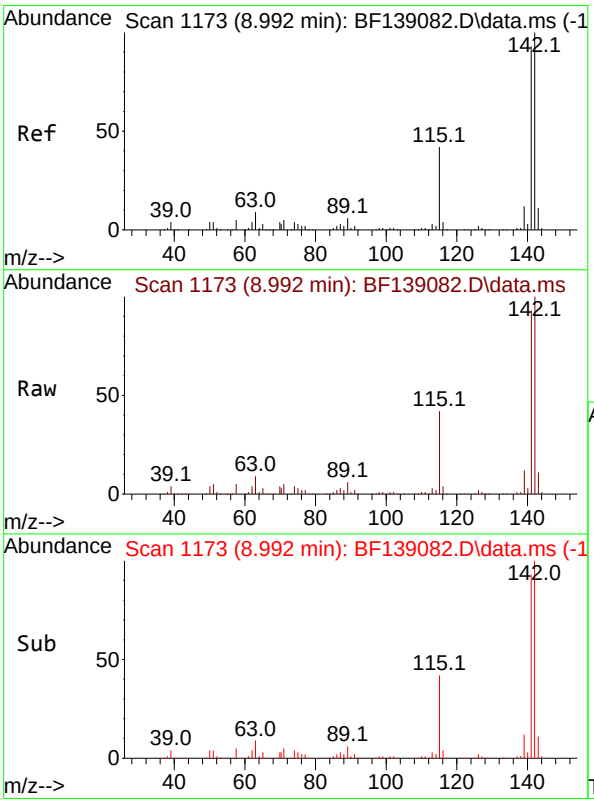
#37
2-Methylnaphthalene
Concen: 38.730 ng
RT: 8.893 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 527747

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.6	105.8

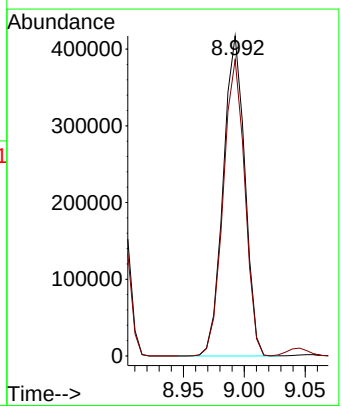


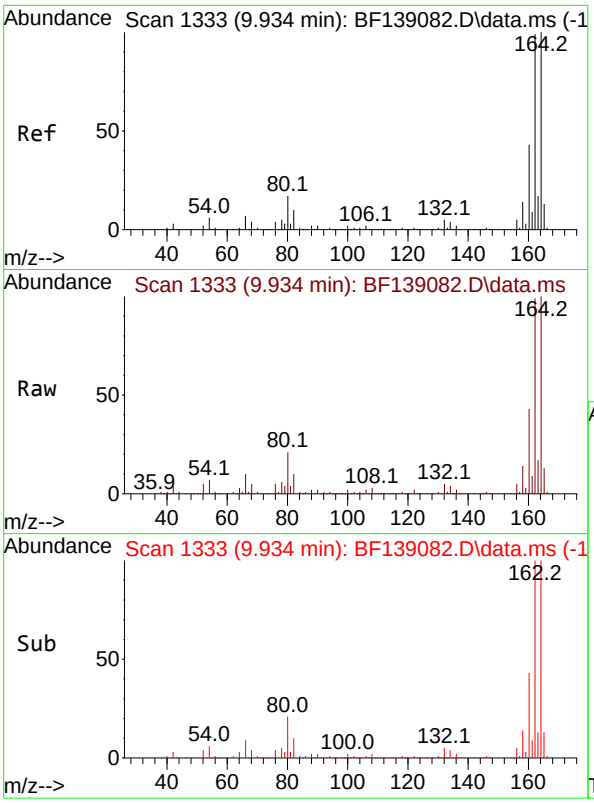


#38
1-Methylnaphthalene
Concen: 39.099 ng
RT: 8.992 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:142 Resp: 514197

Ion	Ratio	Lower	Upper
142	100		
141	92.6	74.1	111.1



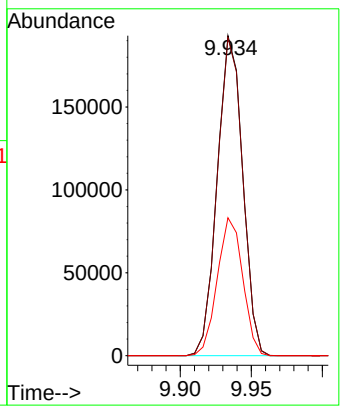


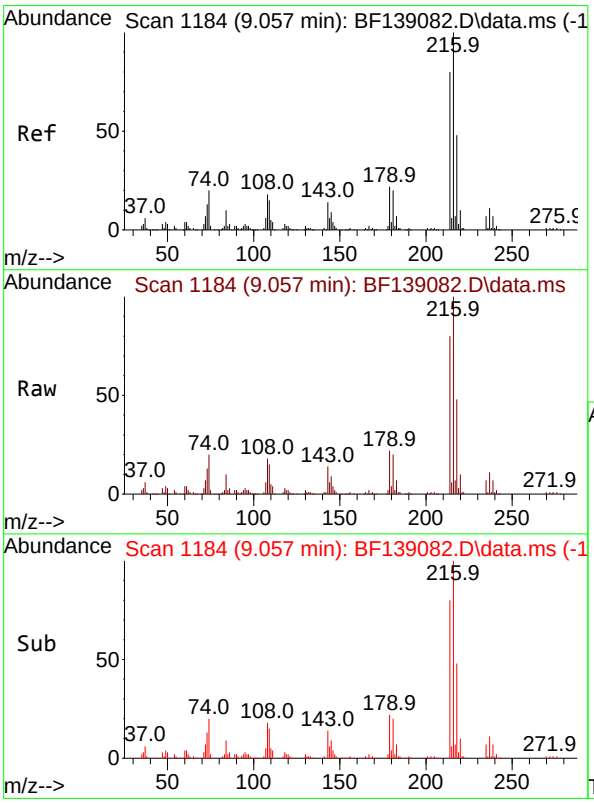
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 240364

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.5	119.3
160	43.1	34.5	51.7

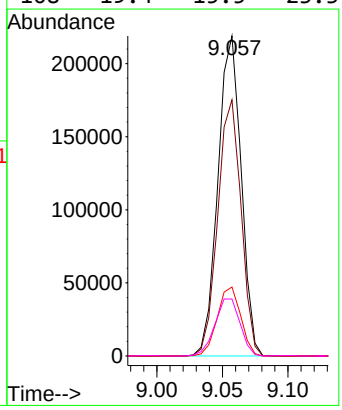


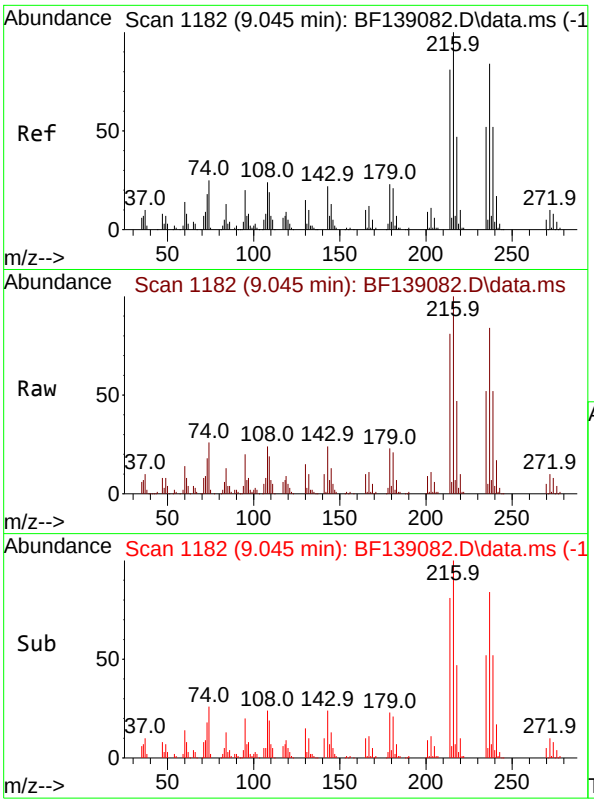


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.765 ng
RT: 9.057 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:216 Resp: 269439

Ion	Ratio	Lower	Upper
216	100		
214	80.2	64.2	96.2
179	21.8	17.4	26.2
108	19.4	15.5	23.3



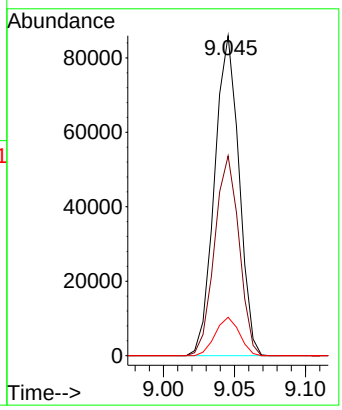


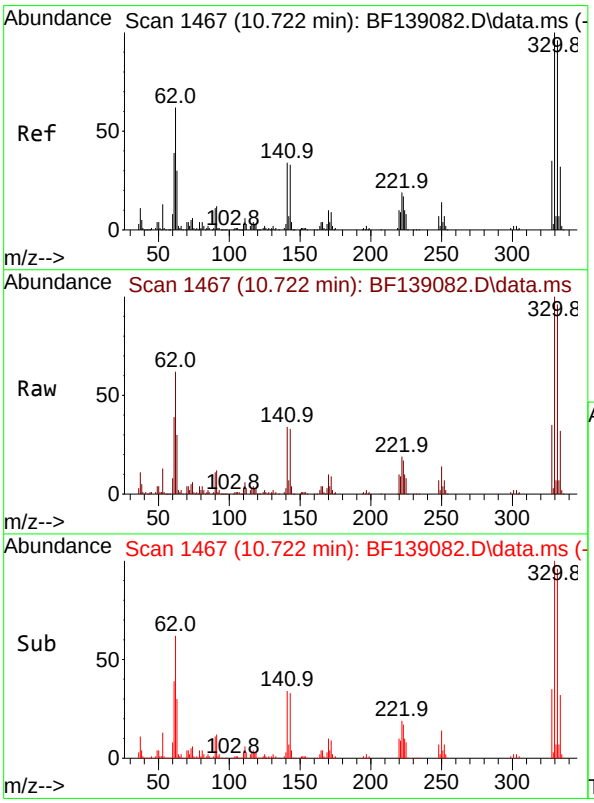
#41
Hexachlorocyclopentadiene
Concen: 40.649 ng
RT: 9.045 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 102806

Ion	Ratio	Lower	Upper
237	100		
235	62.5	42.5	82.5
272	12.0	0.0	32.0

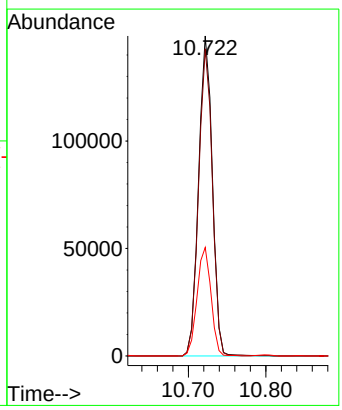


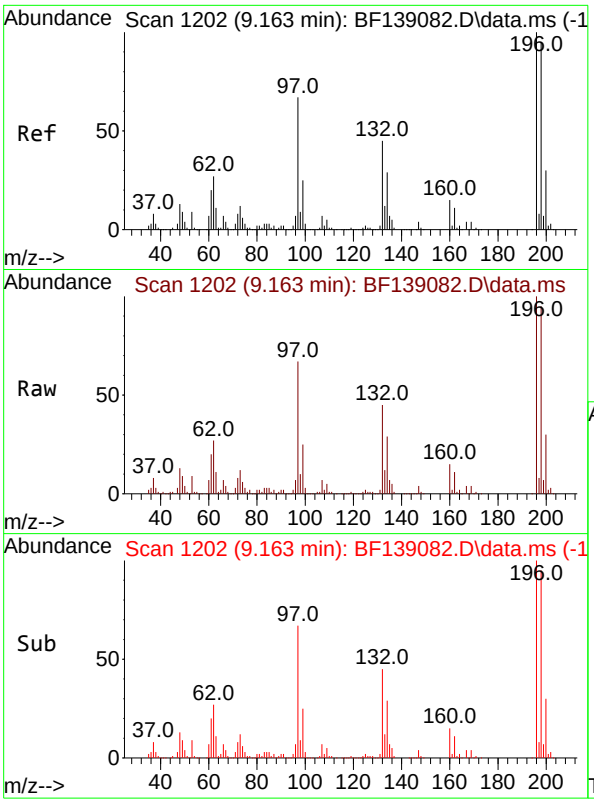


#42
2,4,6-Tribromophenol
Concen: 84.013 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:330 Resp: 182810

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	34.4	27.5	41.3



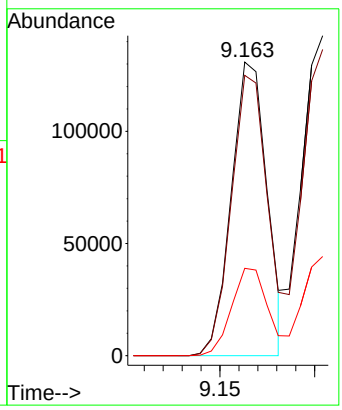


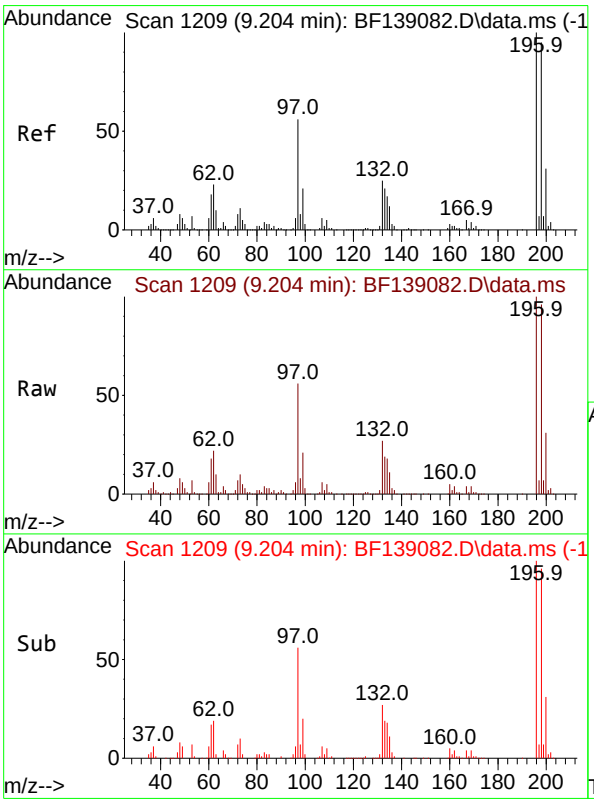
#43
2,4,6-Trichlorophenol
Concen: 38.532 ng
RT: 9.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 171113

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.4	114.6
200	29.8	23.8	35.8

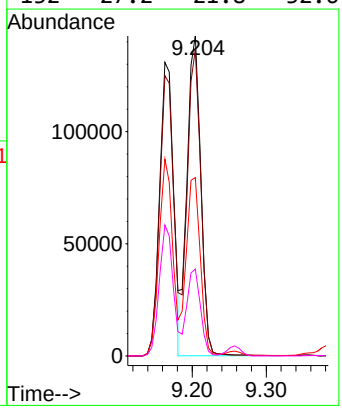


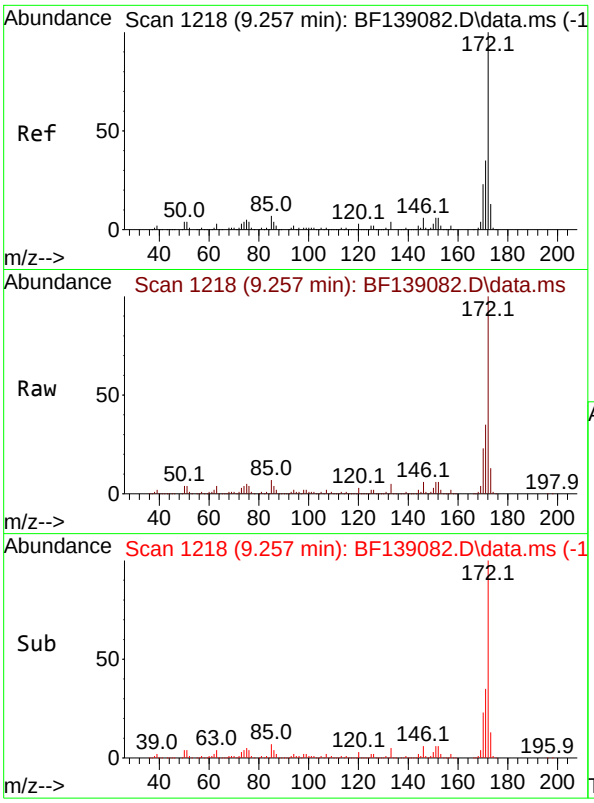


#44
2,4,5-Trichlorophenol
Concen: 40.665 ng
RT: 9.204 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:196 Resp: 185362

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.6	114.8
97	55.8	44.6	67.0
132	27.2	21.8	32.6



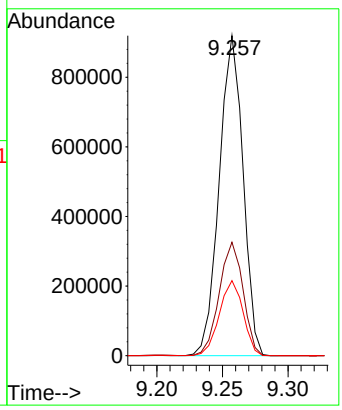


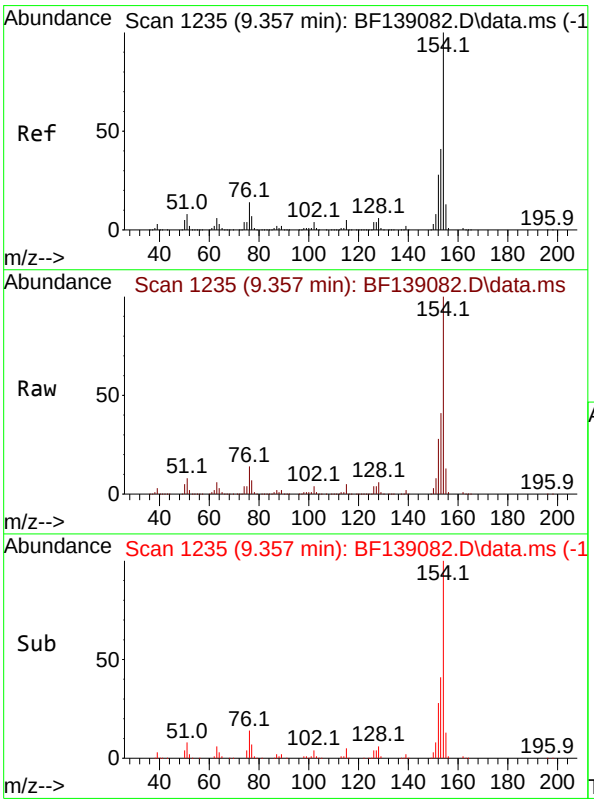
#45
2-Fluorobiphenyl
Concen: 76.626 ng
RT: 9.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 1160846

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.5	18.8	28.2

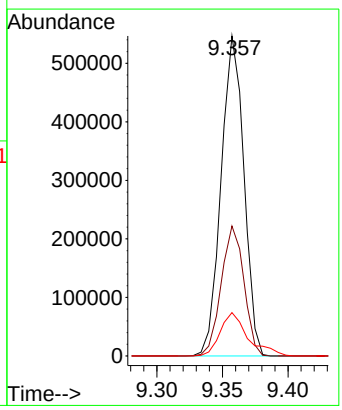


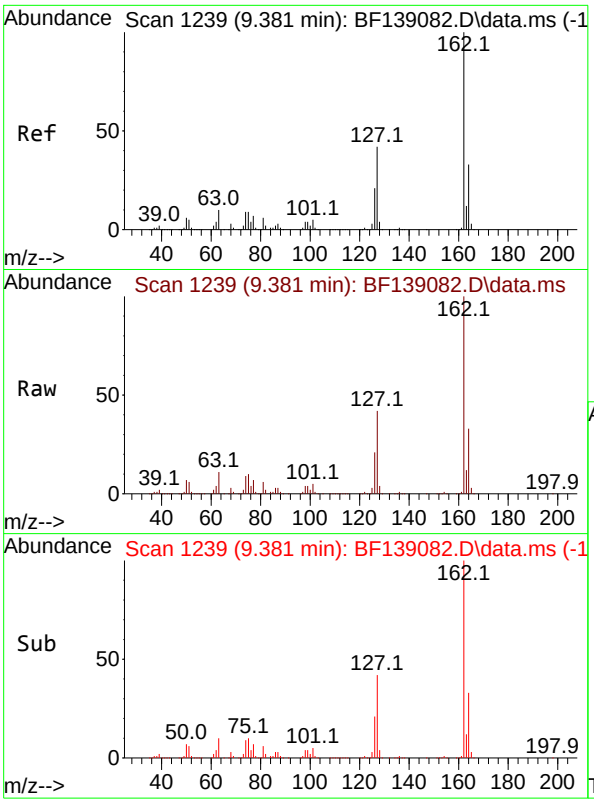


#46
1,1'-Biphenyl
Concen: 40.124 ng
RT: 9.357 min Scan# 1235
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:154 Resp: 660652

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.6	60.6
76	13.6	0.0	33.6



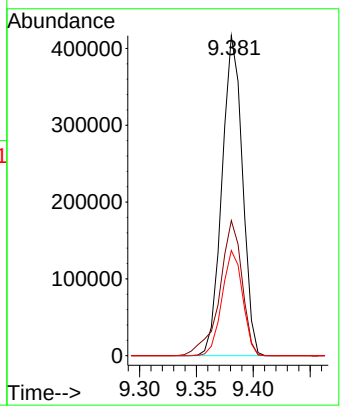


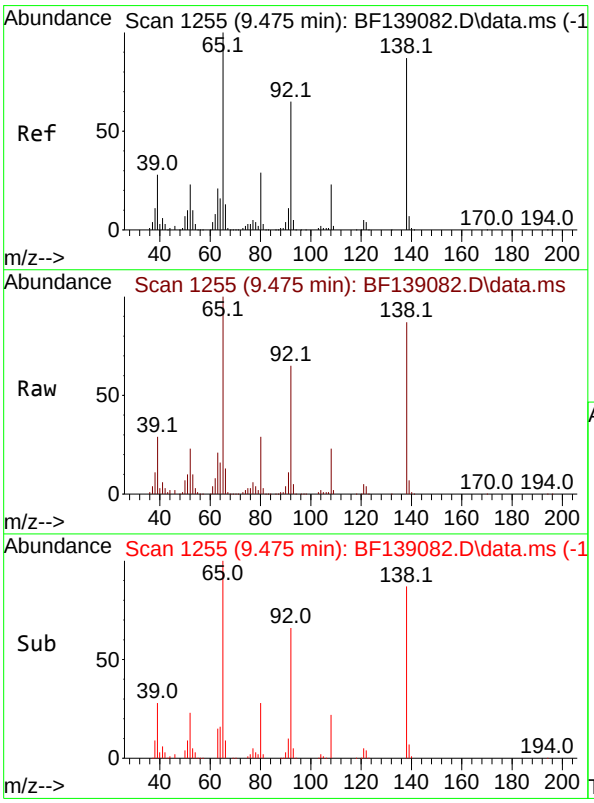
#47
2-Chloronaphthalene
Concen: 39.068 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 522686

Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.8	50.6
164	32.9	26.3	39.5

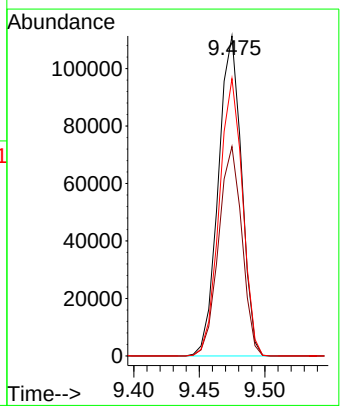


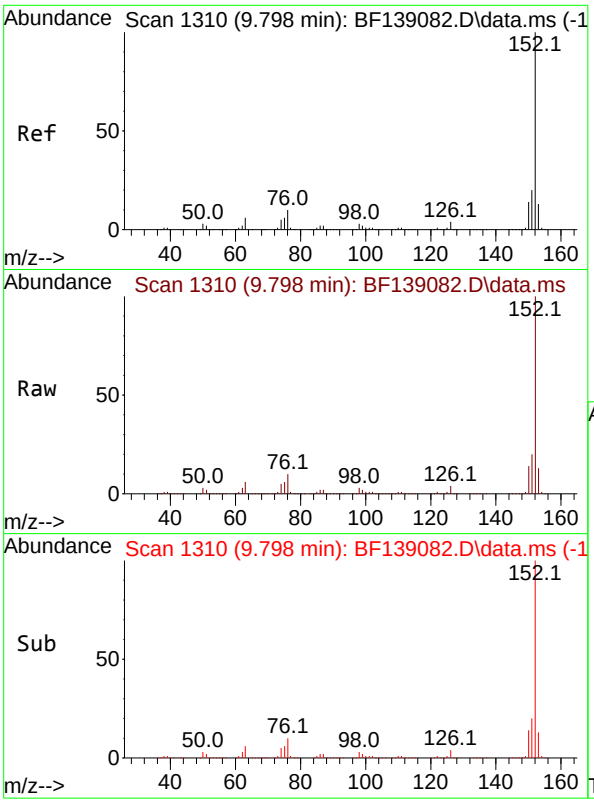


#48
2-Nitroaniline
Concen: 37.198 ng
RT: 9.475 min Scan# 1255
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 65 Resp: 137098

Ion	Ratio	Lower	Upper
65	100		
92	65.5	52.4	78.6
138	86.7	69.4	104.0



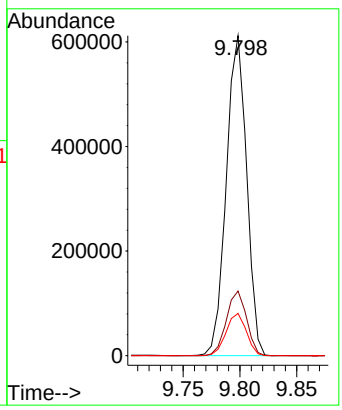


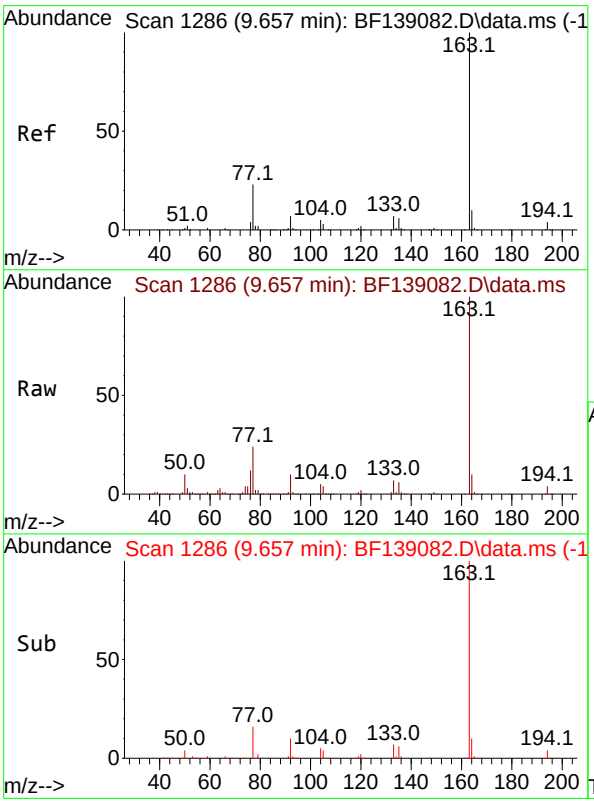
#49
Acenaphthylene
Concen: 39.800 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 762771

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.2	10.6	15.8

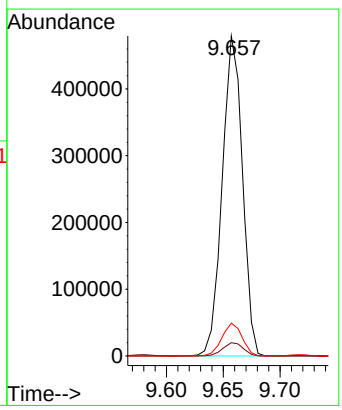


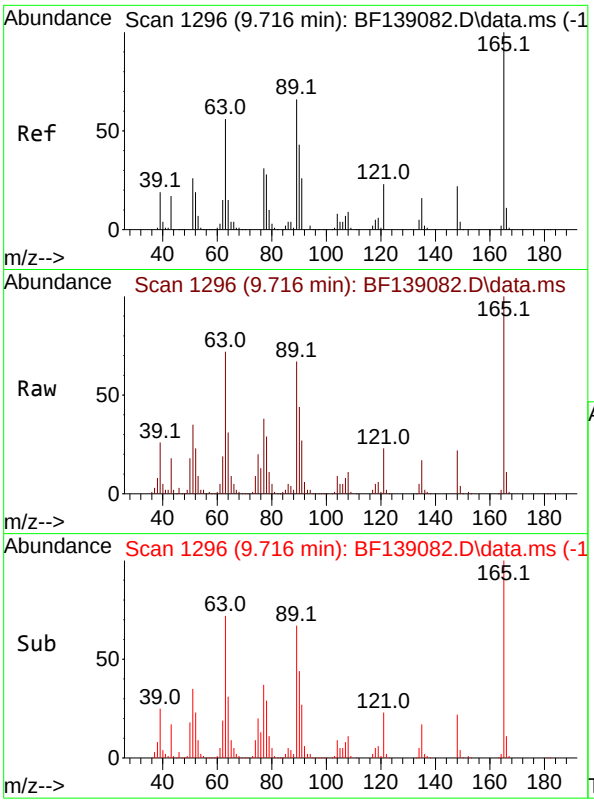


#50
Dimethylphthalate
Concen: 40.051 ng
RT: 9.657 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:163 Resp: 594327

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.2	8.2	12.2



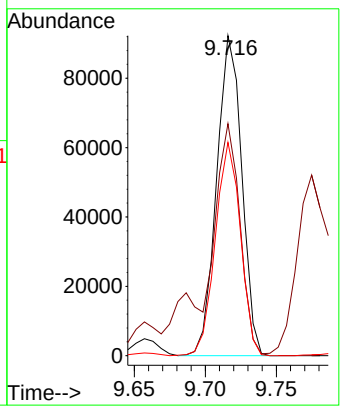


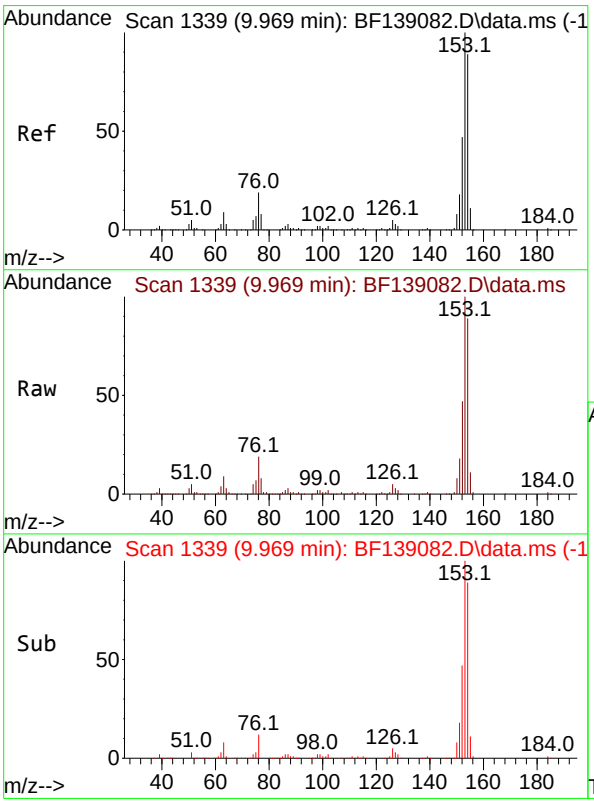
#51
2,6-Dinitrotoluene
Concen: 39.074 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 113541

Ion	Ratio	Lower	Upper
165	100		
63	72.5	58.0	87.0
89	66.6	53.3	79.9

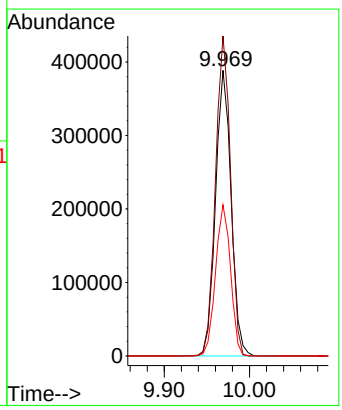


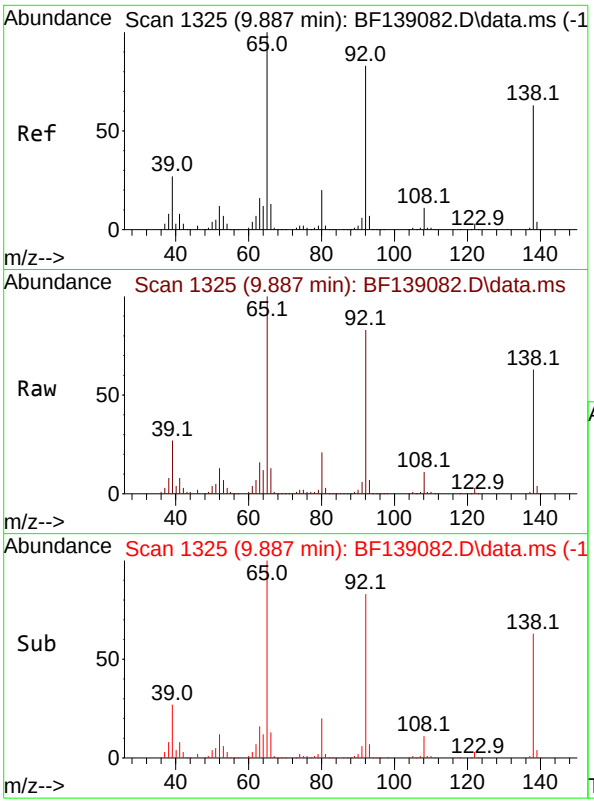


#52
Acenaphthene
Concen: 38.990 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:154 Resp: 493605

Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.7	134.5
152	52.9	42.3	63.5



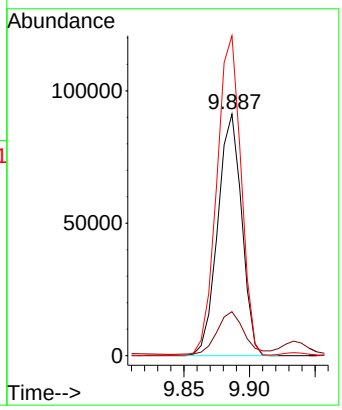


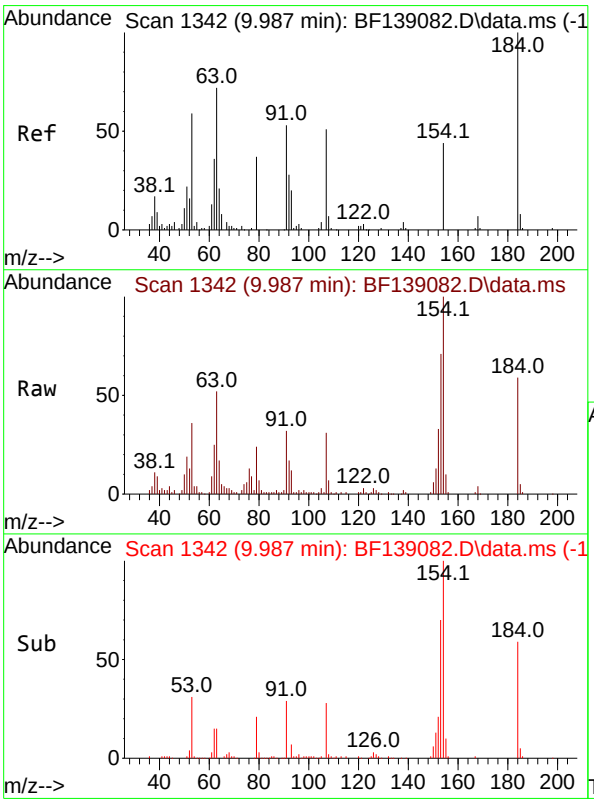
#53
3-Nitroaniline
Concen: 39.235 ng
RT: 9.887 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 115650

Ion	Ratio	Lower	Upper
138	100		
108	18.2	14.6	21.8
92	132.4	105.9	158.9

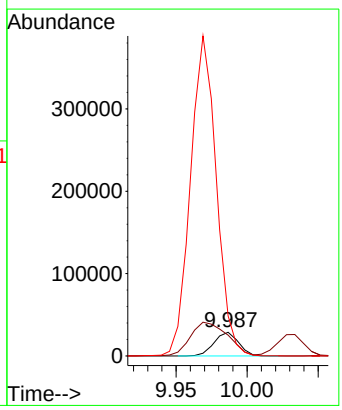


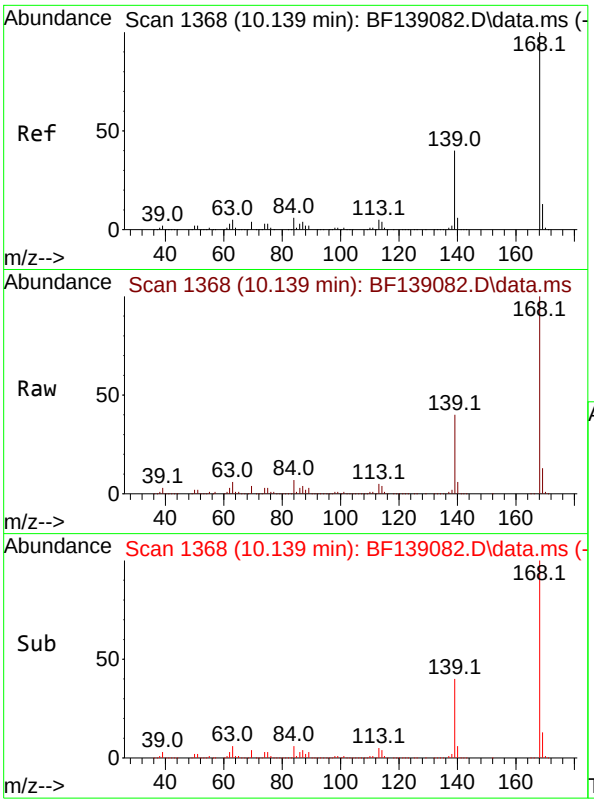


#54
2,4-Dinitrophenol
Concen: 39.125 ng
RT: 9.987 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:184 Resp: 34457

Ion	Ratio	Lower	Upper
184	100		
63	88.1	70.5	105.7
154	168.8	135.0	202.6



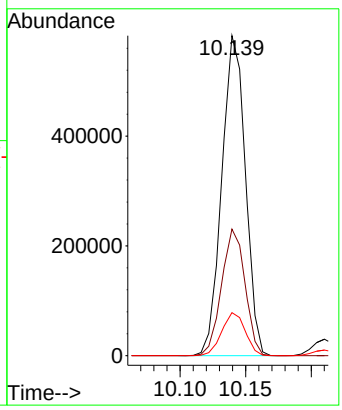


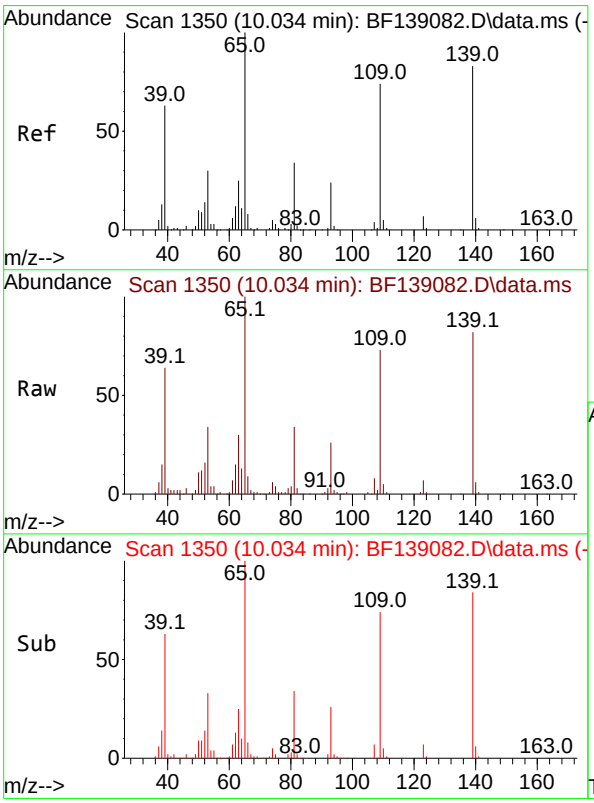
#55
Dibenzofuran
Concen: 39.681 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 729666

Ion	Ratio	Lower	Upper
168	100		
139	39.5	31.6	47.4
169	13.4	10.7	16.1

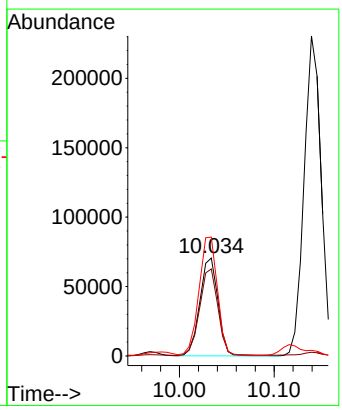


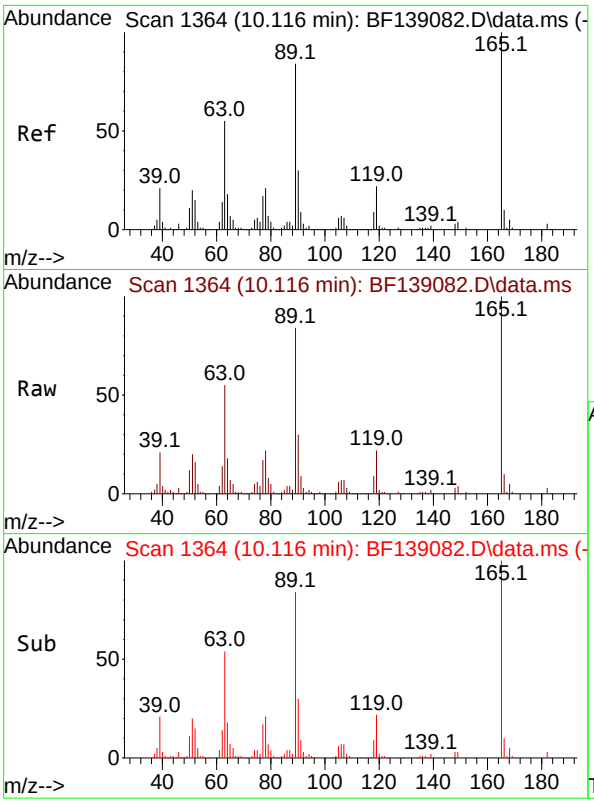


#56
4-Nitrophenol
Concen: 41.690 ng
RT: 10.034 min Scan# 1350
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:139 Resp: 93512

Ion	Ratio	Lower	Upper
139	100		
109	88.8	68.8	108.8
65	121.3	101.3	141.3



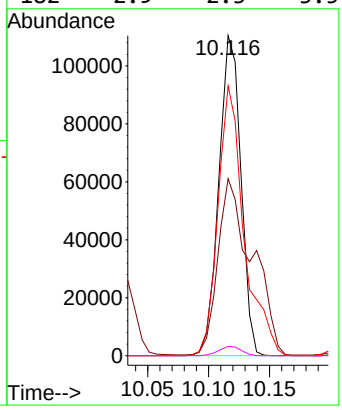


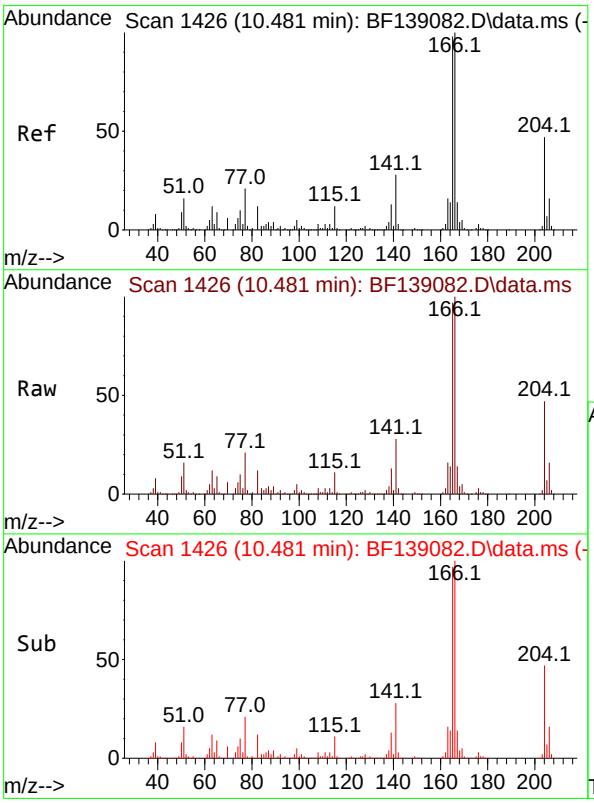
#57
2,4-Dinitrotoluene
Concen: 38.524 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 139133

Ion	Ratio	Lower	Upper
165	100		
63	55.3	44.2	66.4
89	84.3	67.4	101.2
182	2.9	2.3	3.5

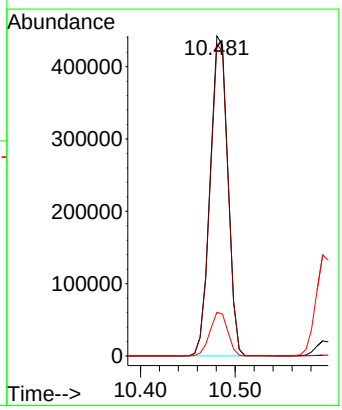


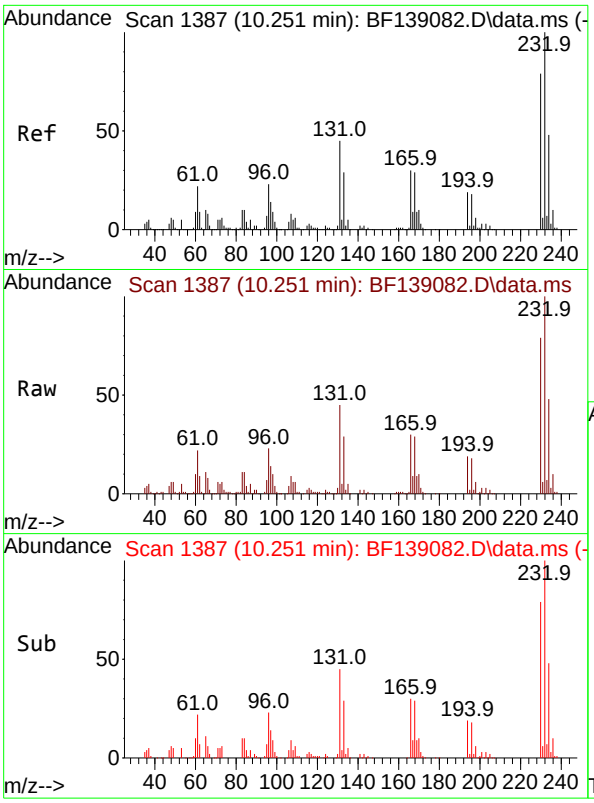


#58
Fluorene
Concen: 39.101 ng
RT: 10.481 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:166 Resp: 574597

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.0	117.0
167	13.7	11.0	16.4



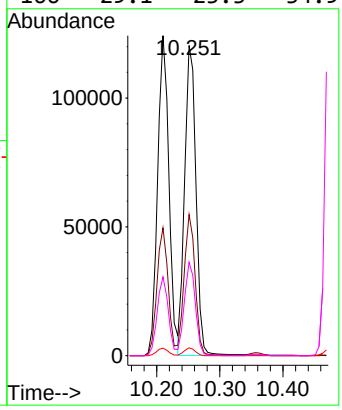


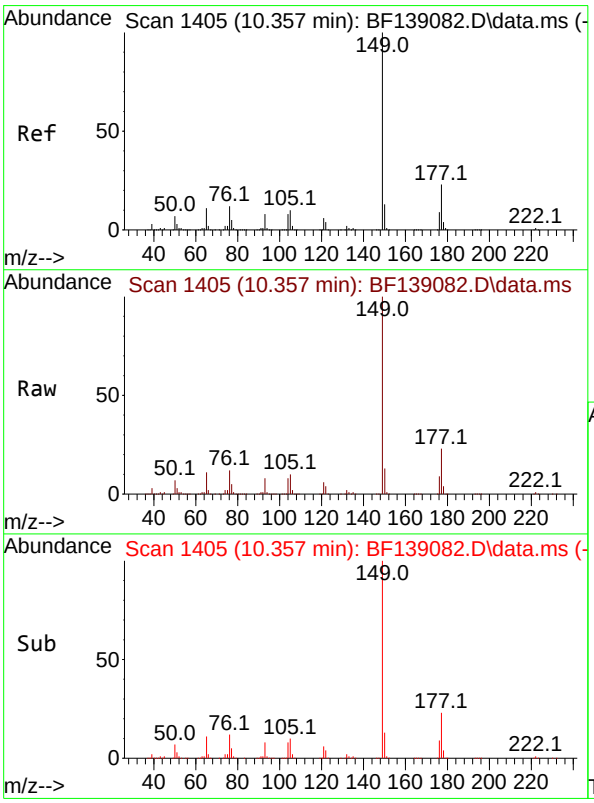
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.159 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 150640

Ion	Ratio	Lower	Upper
232	100		
131	45.0	36.0	54.0
130	2.5	2.0	3.0
166	29.1	23.3	34.9

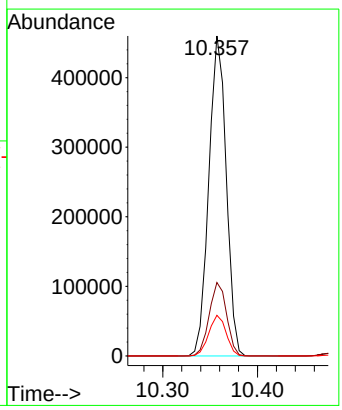


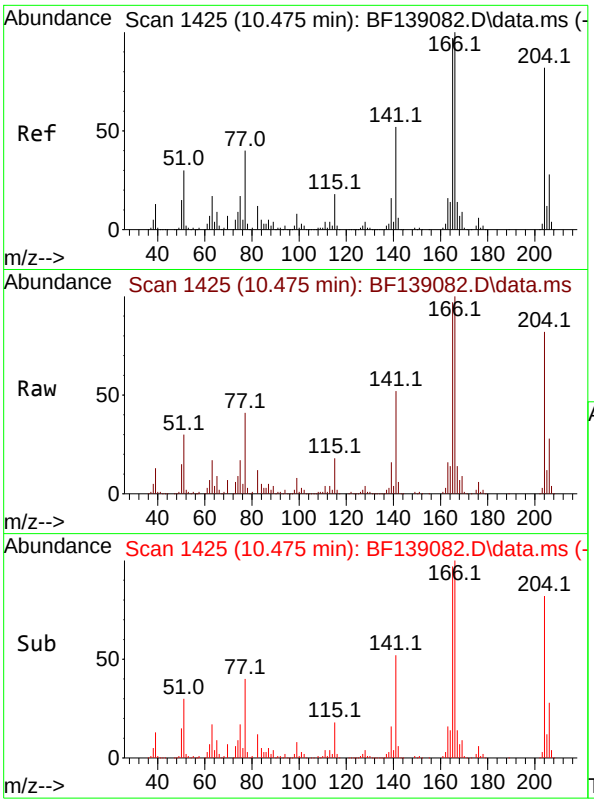


#60
Diethylphthalate
Concen: 39.964 ng
RT: 10.357 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:149 Resp: 587596

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.4	27.6
150	12.7	10.2	15.2



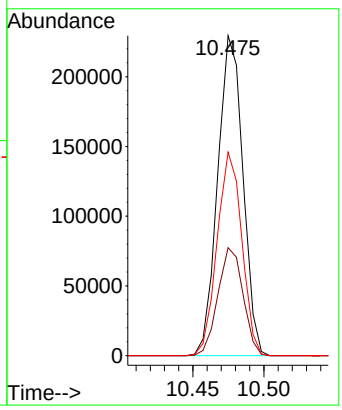


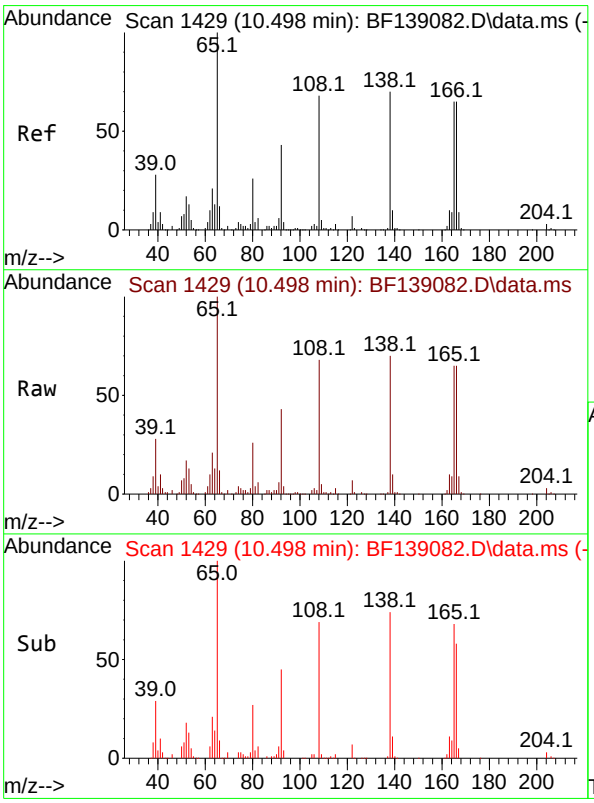
#61
4-Chlorophenyl-phenylether
Concen: 38.596 ng
RT: 10.475 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 283265

Ion	Ratio	Lower	Upper
204	100		
206	33.7	27.0	40.4
141	63.6	50.9	76.3

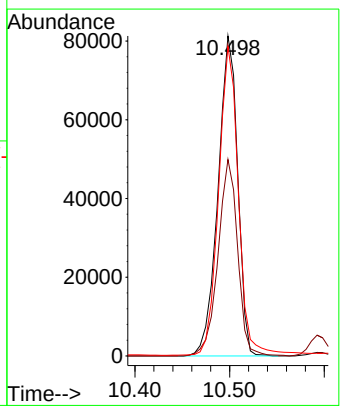


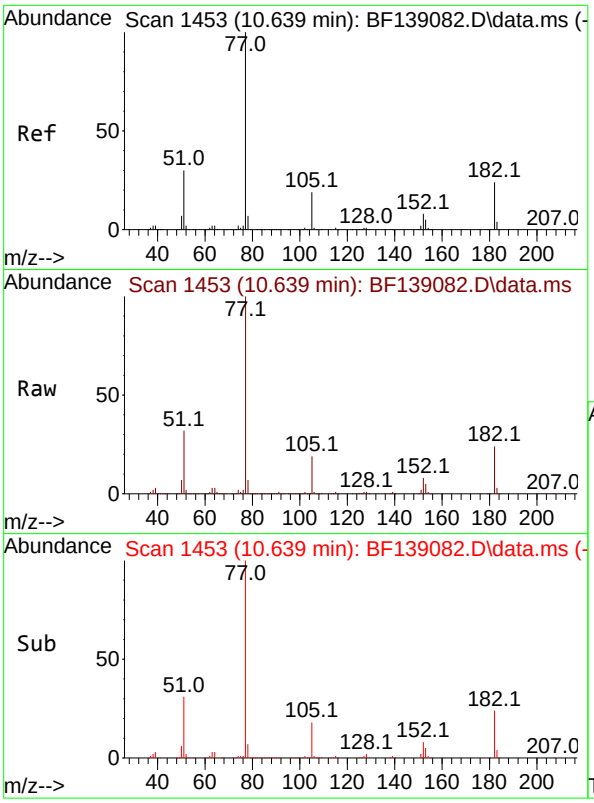


#62
4-Nitroaniline
Concen: 39.267 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:138 Resp: 117372

Ion	Ratio	Lower	Upper
138	100		
92	61.4	41.4	81.4
108	96.8	76.8	116.8



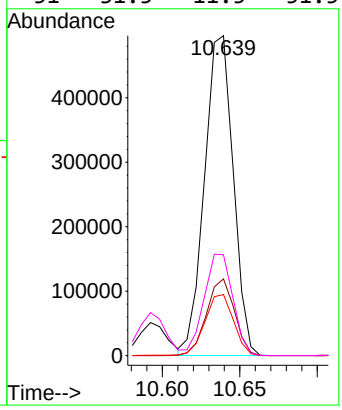


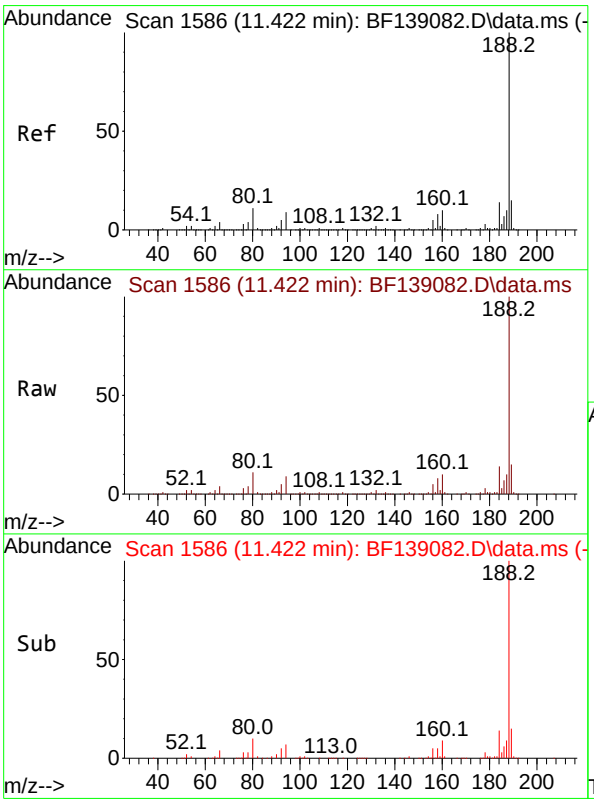
#63
Azobenzene
Concen: 39.237 ng
RT: 10.639 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 641100

Ion	Ratio	Lower	Upper
77	100		
182	24.0	4.0	44.0
105	19.1	0.0	39.1
51	31.5	11.5	51.5

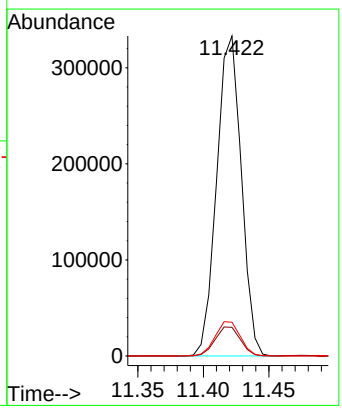


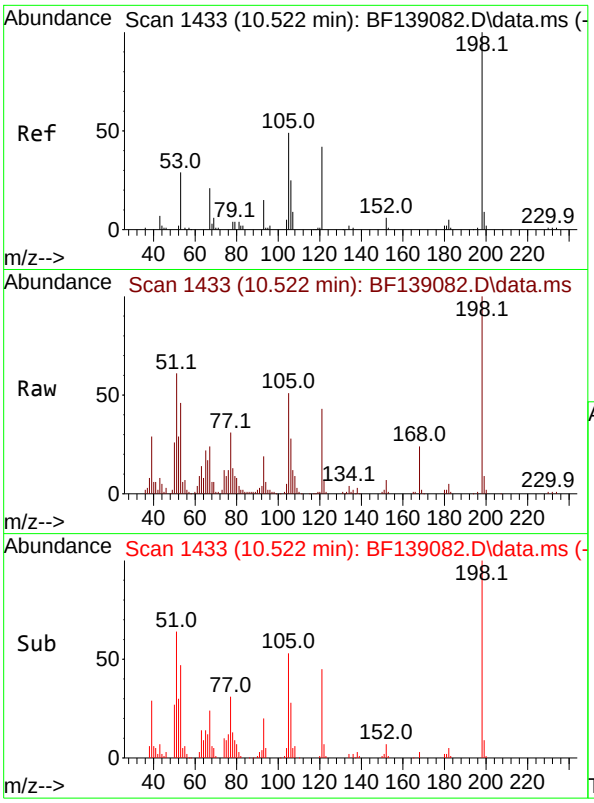


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:188 Resp: 434981

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	10.6	8.5	12.7



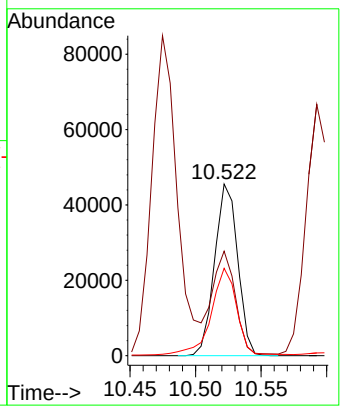


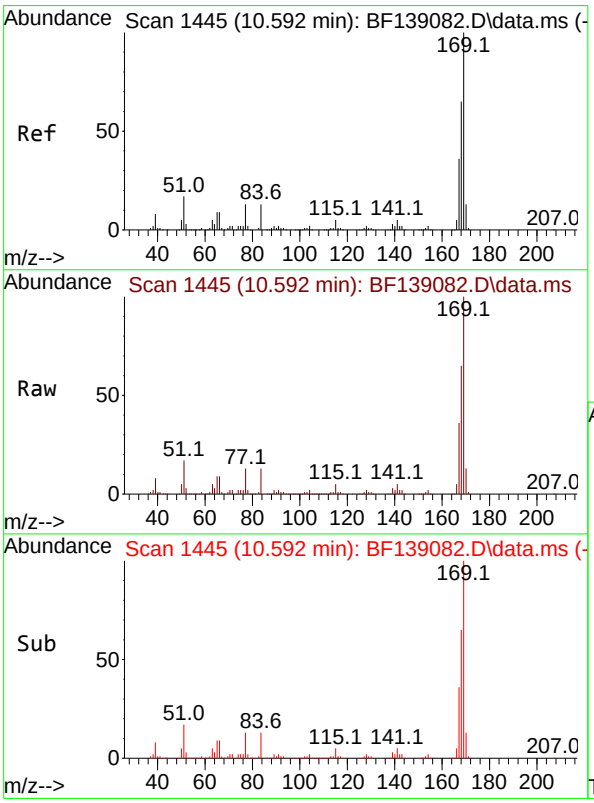
#65
4,6-Dinitro-2-methylphenol
Concen: 38.689 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 55664

Ion	Ratio	Lower	Upper
198	100		
51	60.8	40.8	80.8
105	50.9	30.9	70.9

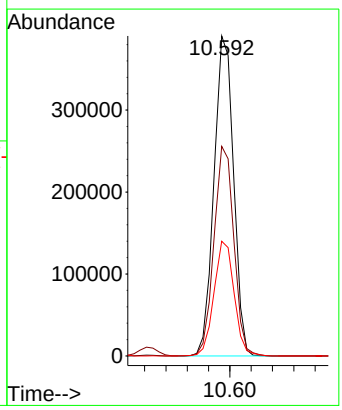


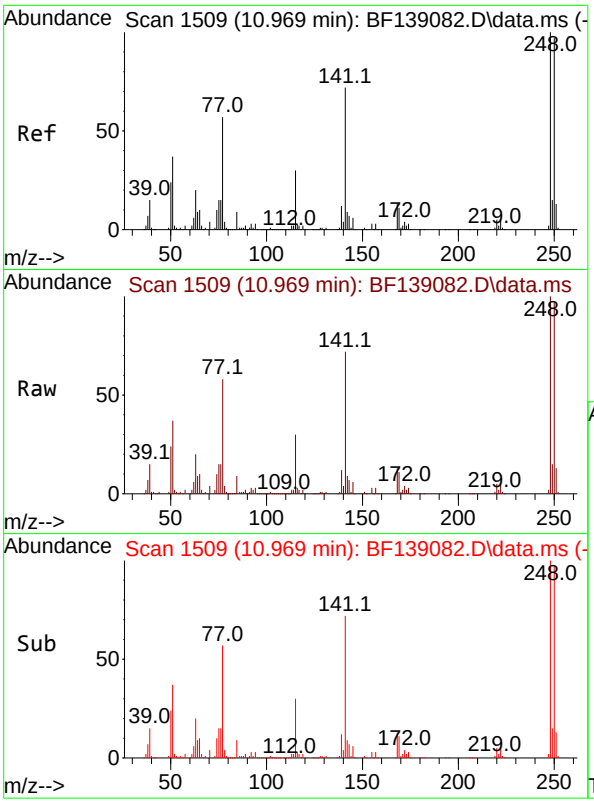


#66
n-Nitrosodiphenylamine
Concen: 38.604 ng
RT: 10.592 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:169 Resp: 496856

Ion	Ratio	Lower	Upper
169	100		
168	65.5	52.4	78.6
167	35.8	28.6	43.0



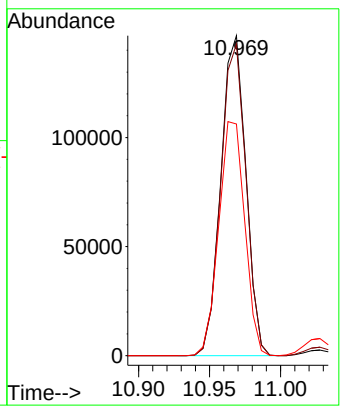


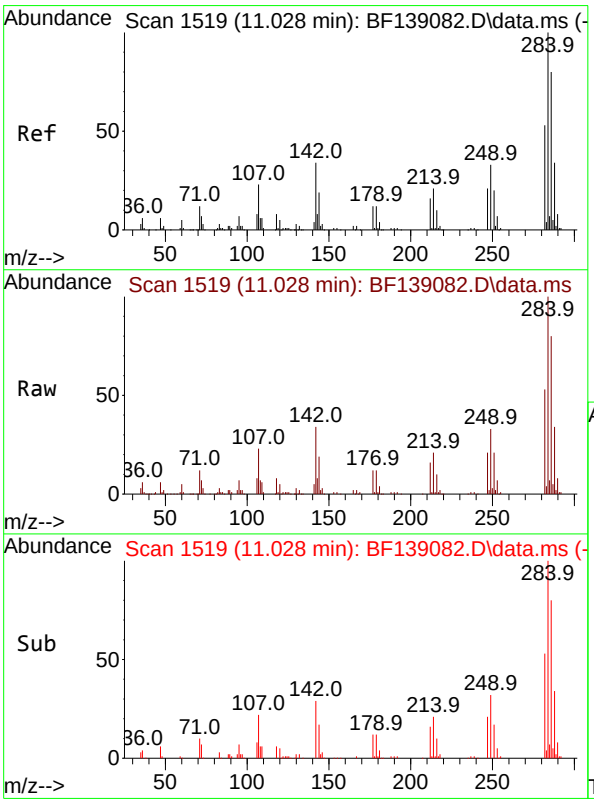
#67
4-Bromophenyl-phenylether
Concen: 39.046 ng
RT: 10.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 179972

Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.8	116.8
141	72.4	57.9	86.9

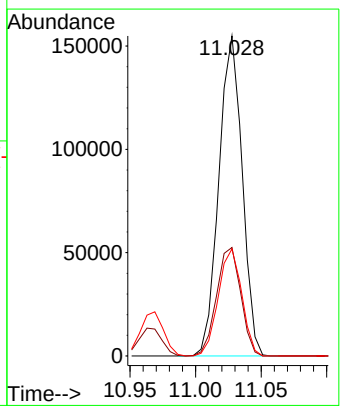


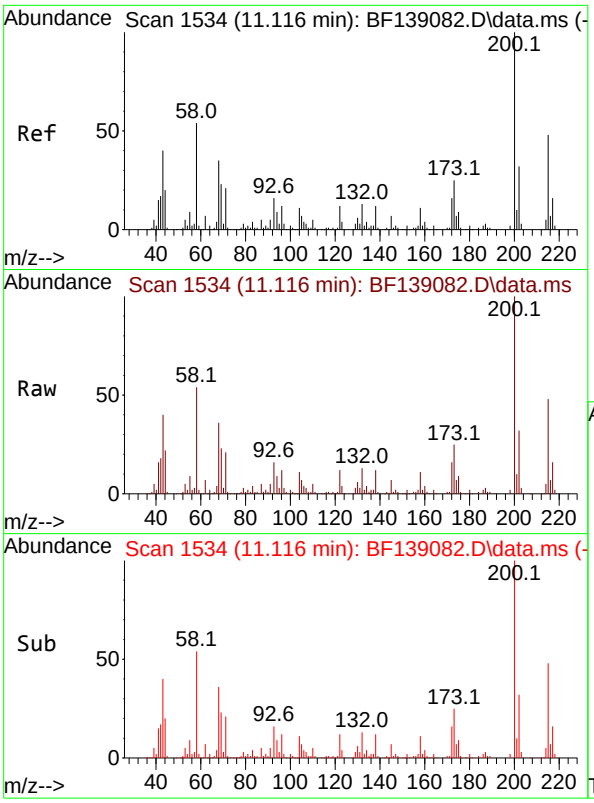


#68
Hexachlorobenzene
Concen: 38.721 ng
RT: 11.028 min Scan# 1519
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:284 Resp: 191471

Ion	Ratio	Lower	Upper
284	100		
142	33.9	27.1	40.7
249	33.5	26.8	40.2



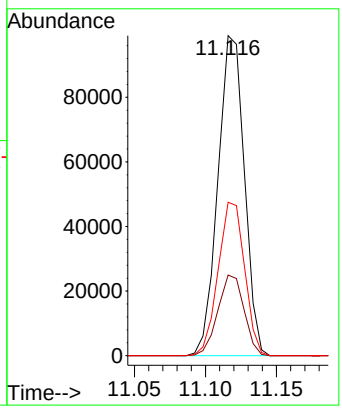


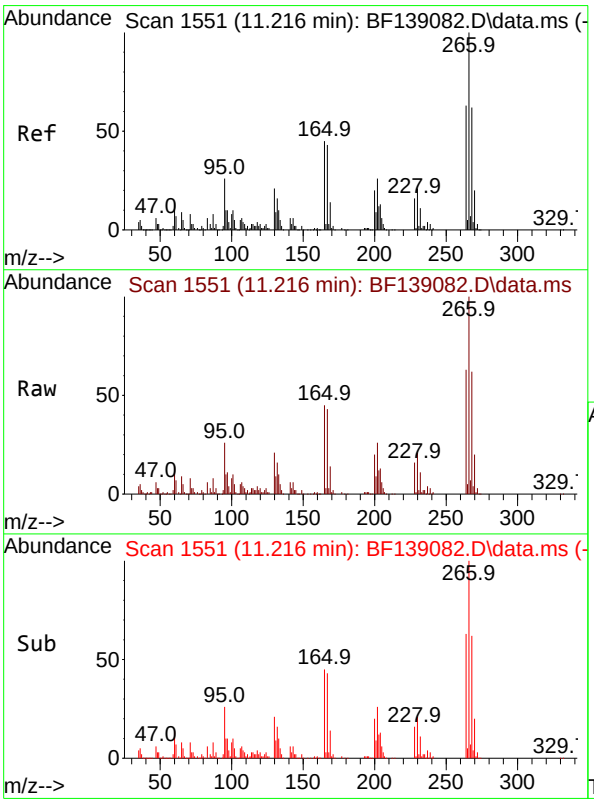
#69
Atrazine
Concen: 32.637 ng
RT: 11.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 128290

Ion	Ratio	Lower	Upper
200	100		
173	25.2	5.2	45.2
215	47.9	27.9	67.9

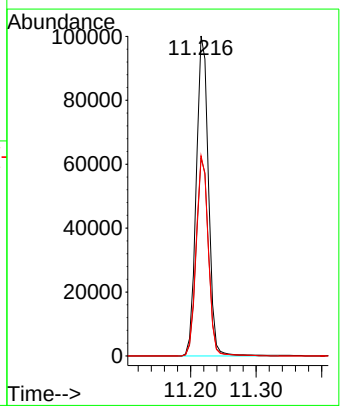


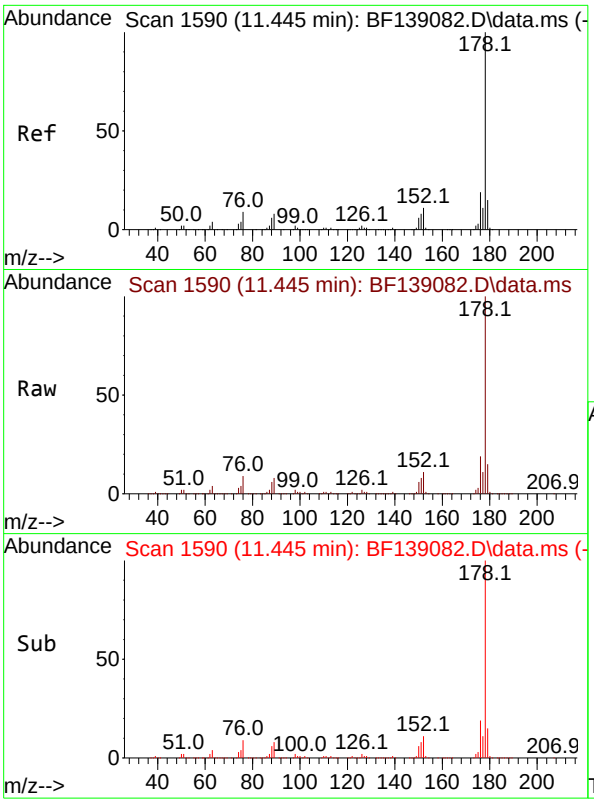


#70
Pentachlorophenol
Concen: 41.067 ng
RT: 11.216 min Scan# 1551
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:266 Resp: 129718

Ion	Ratio	Lower	Upper
266	100		
268	61.9	49.5	74.3
264	62.5	50.0	75.0



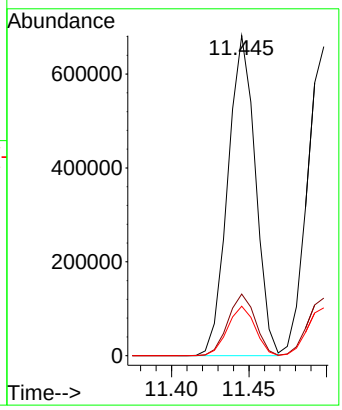


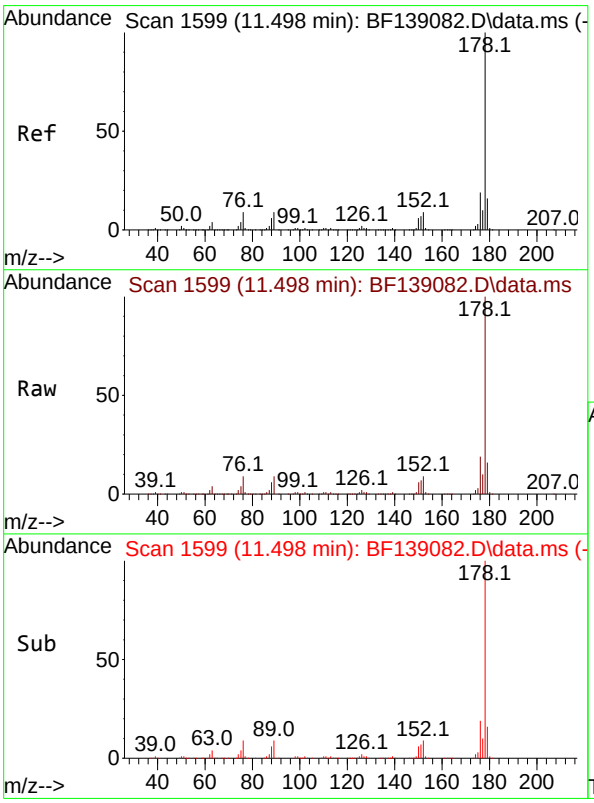
#71
Phenanthrene
Concen: 38.074 ng
RT: 11.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 841782

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.4	12.3	18.5

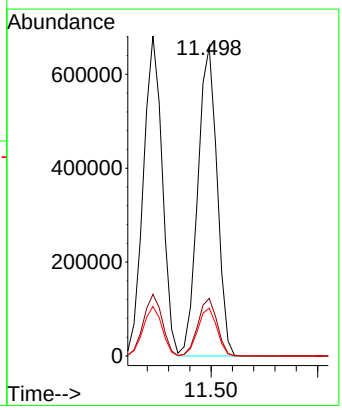


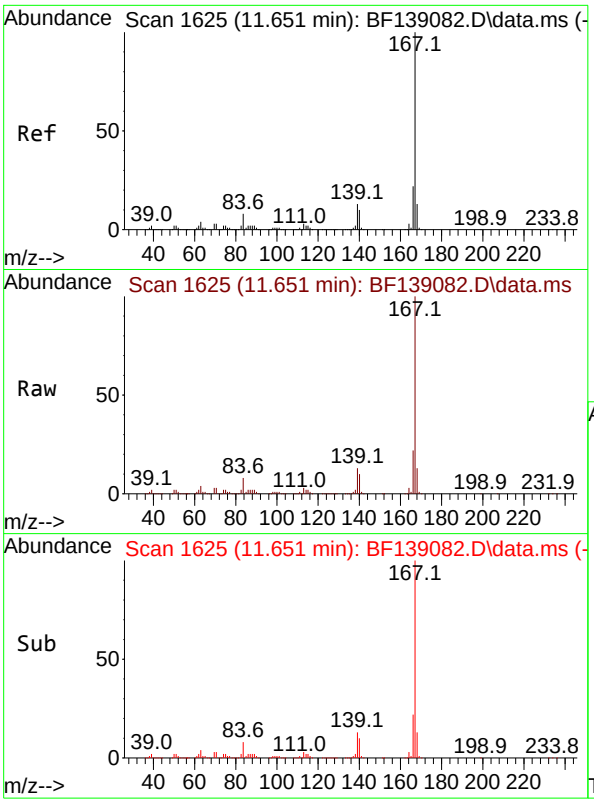


#72
Anthracene
Concen: 38.345 ng
RT: 11.498 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:178 Resp: 829107

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.5	12.4	18.6



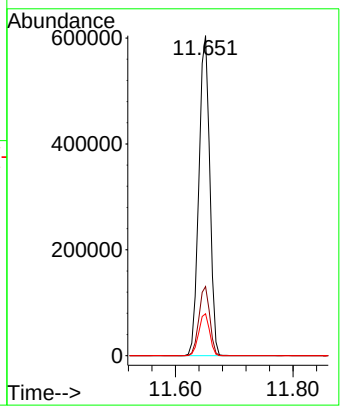


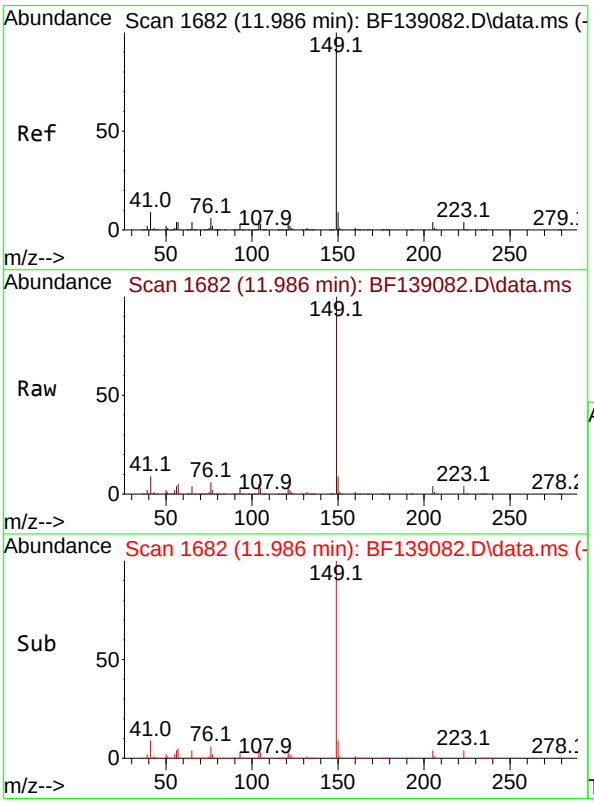
#73
Carbazole
Concen: 38.414 ng
RT: 11.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 775601

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.3	25.9
139	13.1	10.5	15.7

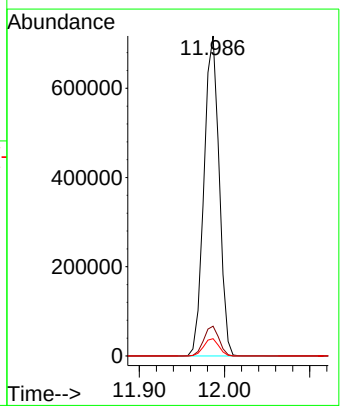


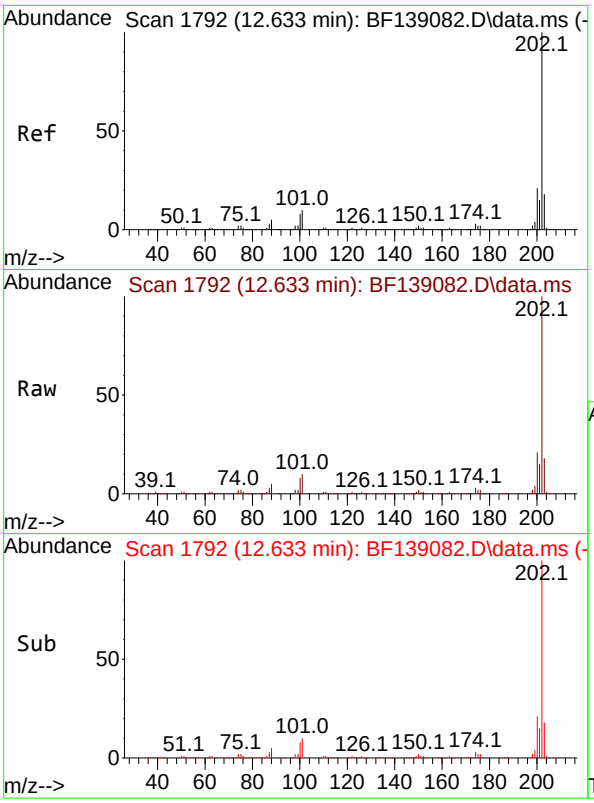


#74
Di-n-butylphthalate
Concen: 37.876 ng
RT: 11.986 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:149 Resp: 886730

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.4	4.3	6.5



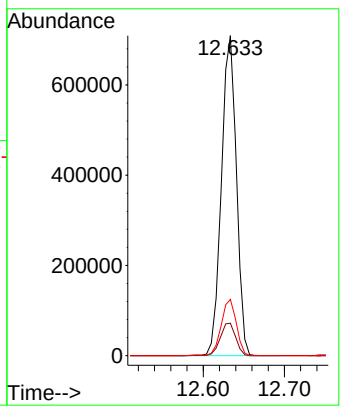


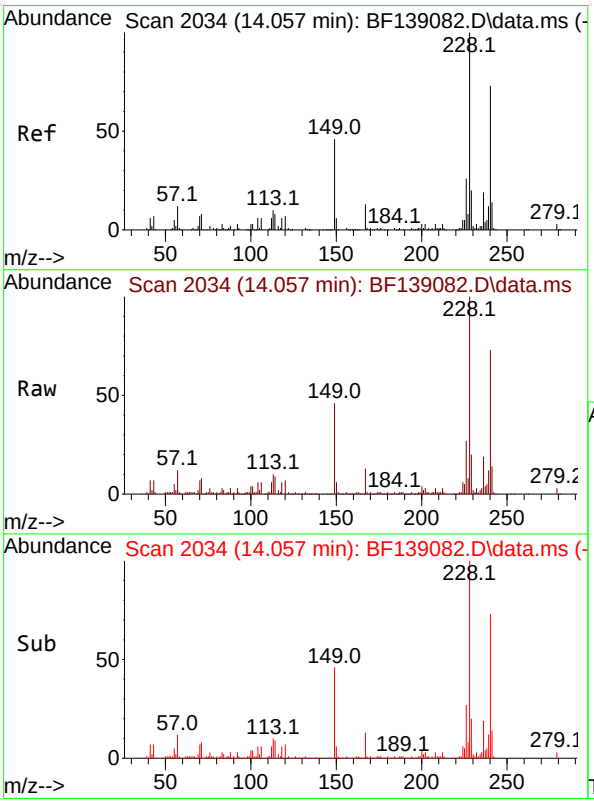
#75
Fluoranthene
Concen: 38.695 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 913112

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.2
203	17.6	0.0	37.6

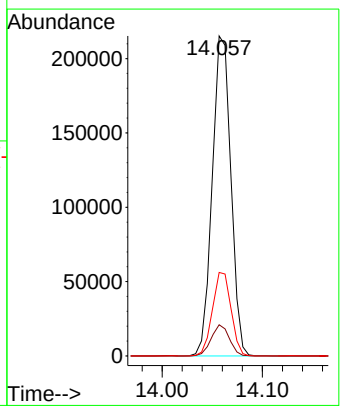


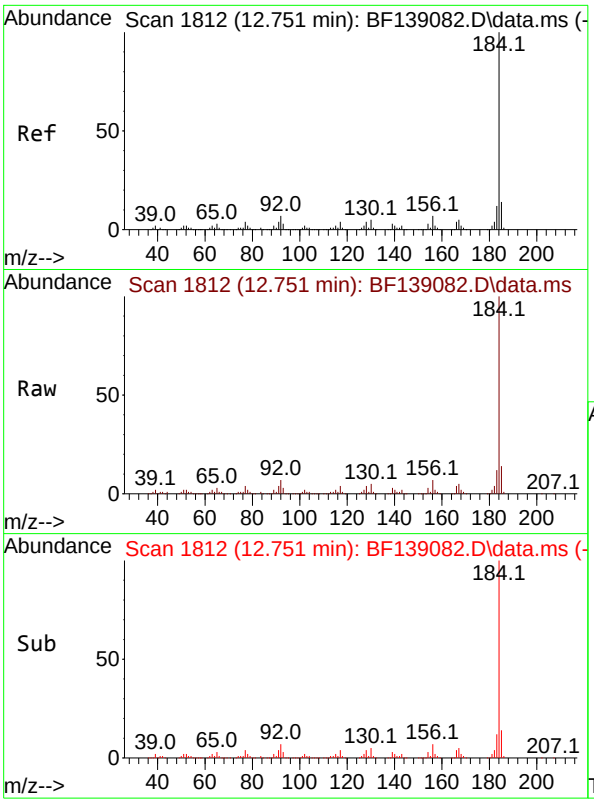


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:240 Resp: 276906

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.8	11.6
236	26.1	20.9	31.3



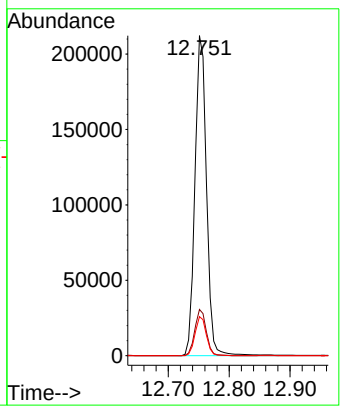


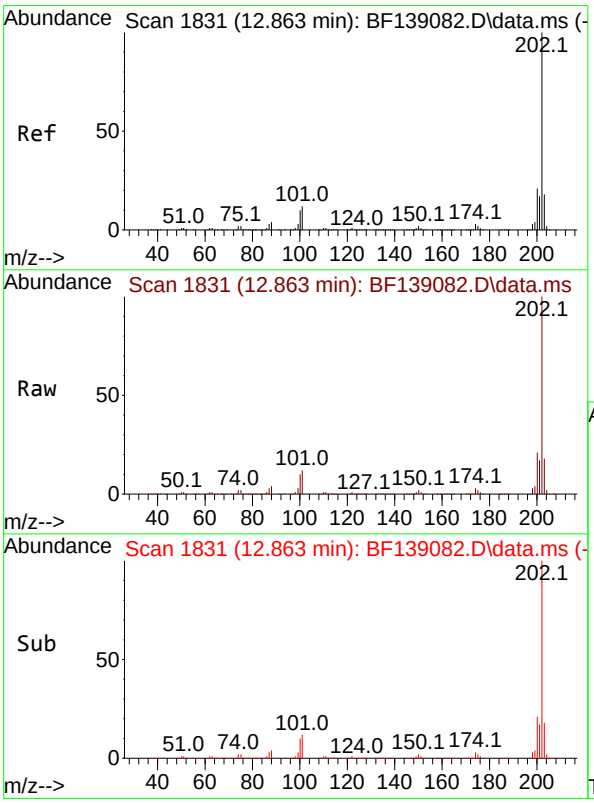
#77
Benzidine
Concen: 48.896 ng
RT: 12.751 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 279676

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	12.2	9.8	14.6

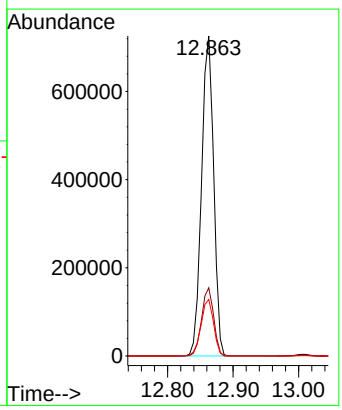


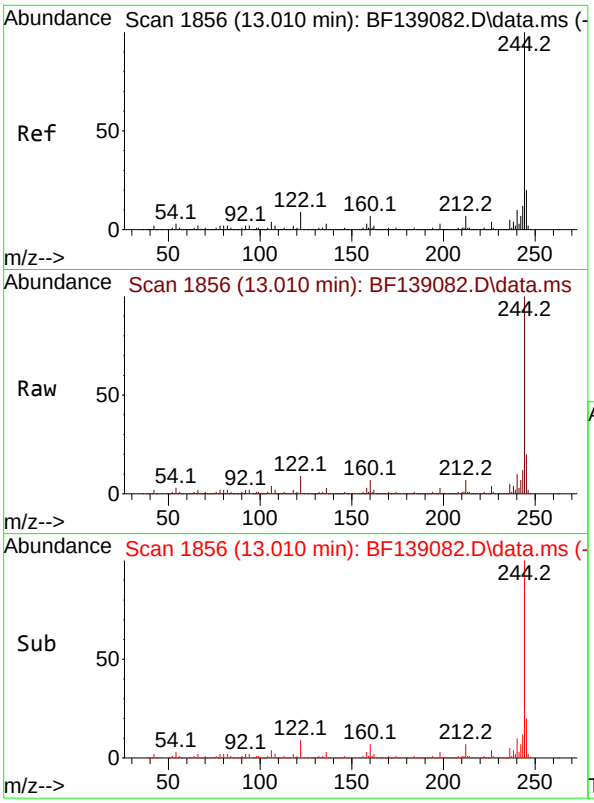


#78
Pyrene
Concen: 40.458 ng
RT: 12.863 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:202 Resp: 934909

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	17.6	14.1	21.1



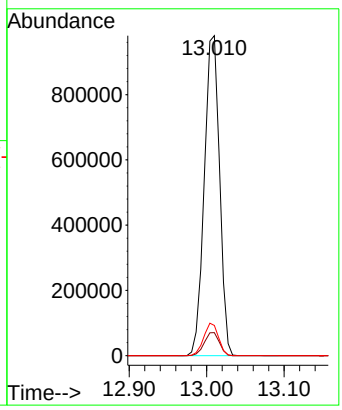


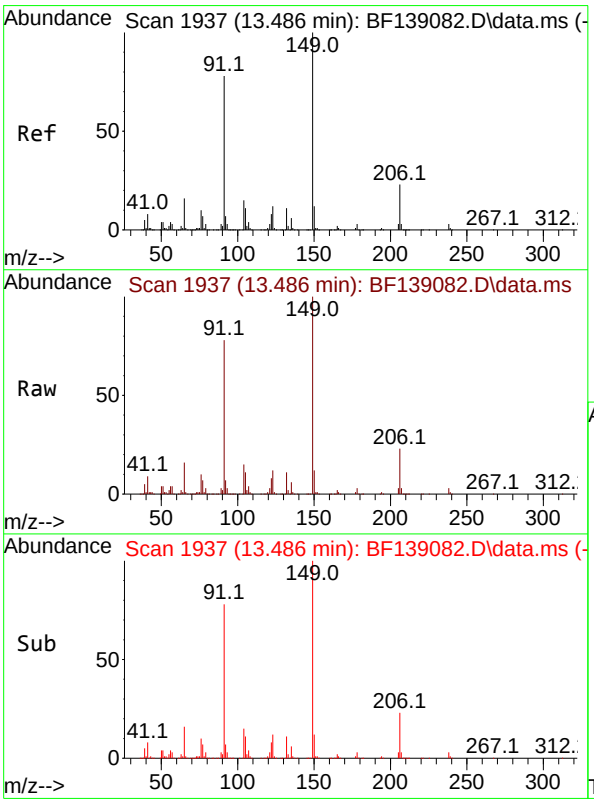
#79
Terphenyl-d14
Concen: 80.454 ng
RT: 13.010 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 1342629

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.5	7.6	11.4

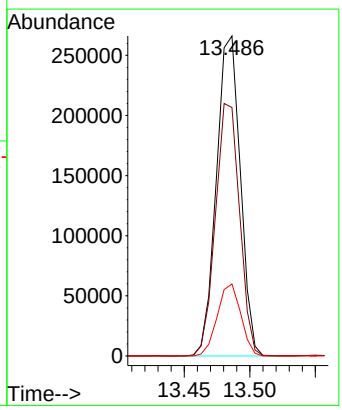


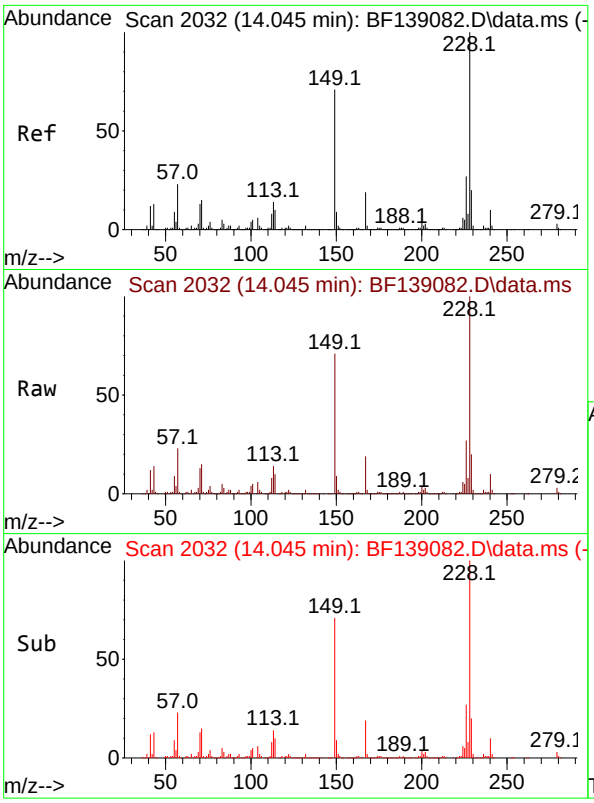


#80
Butylbenzylphthalate
Concen: 42.258 ng
RT: 13.486 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:149 Resp: 337836

Ion	Ratio	Lower	Upper
149	100		
91	77.6	62.1	93.1
206	22.5	18.0	27.0



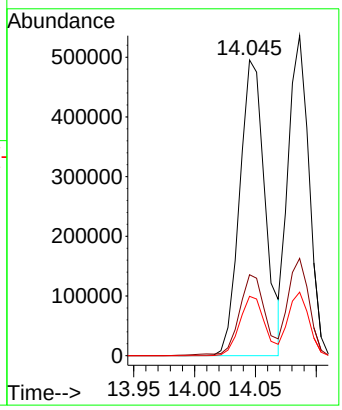


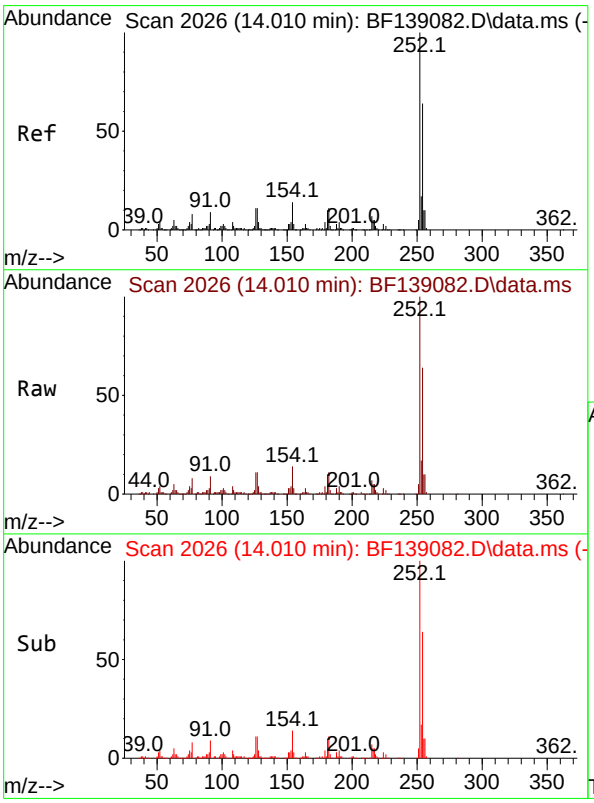
#81
Benzo(a)anthracene
Concen: 39.595 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 720739

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.9	32.9
229	20.1	16.1	24.1

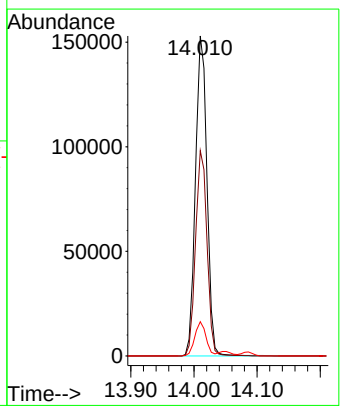


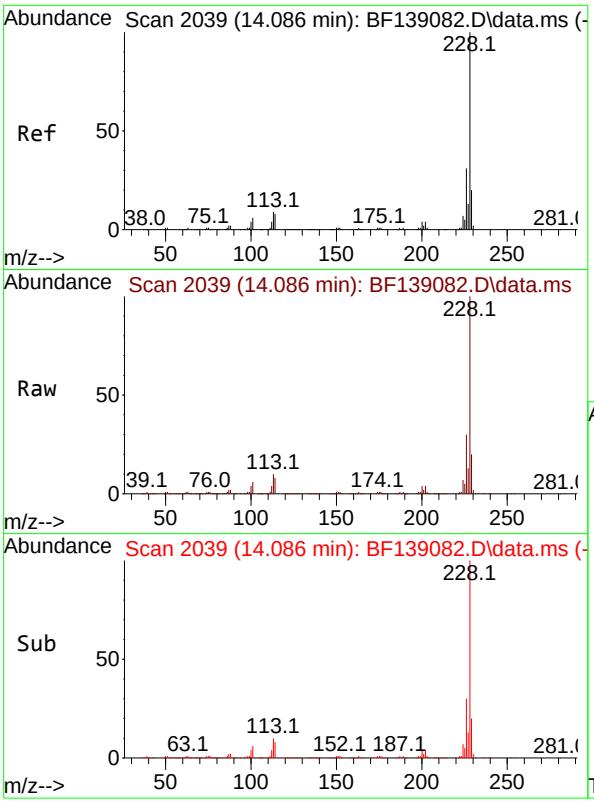


#82
3,3'-Dichlorobenzidine
Concen: 37.946 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:252 Resp: 193070

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.4	77.0
126	10.7	8.6	12.8



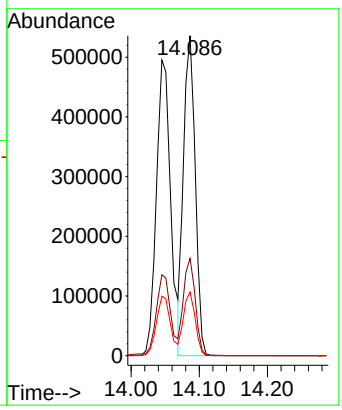


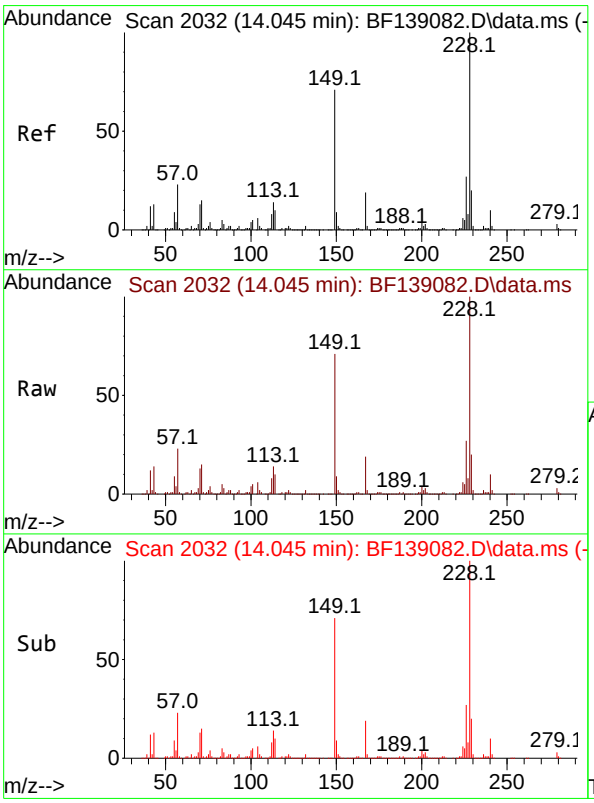
#83
Chrysene
Concen: 38.696 ng
RT: 14.086 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 638450

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	19.8	15.8	23.8

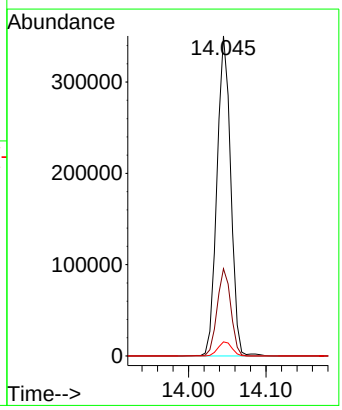


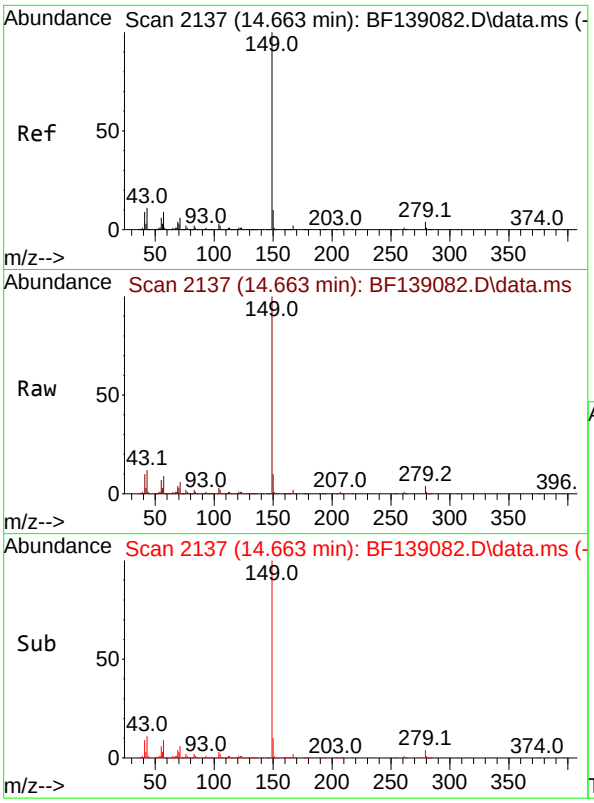


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.689 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:149 Resp: 431238

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.8	32.6
279	4.4	3.5	5.3



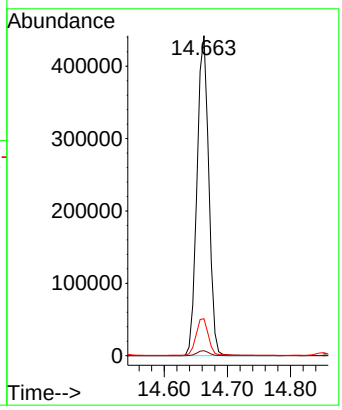


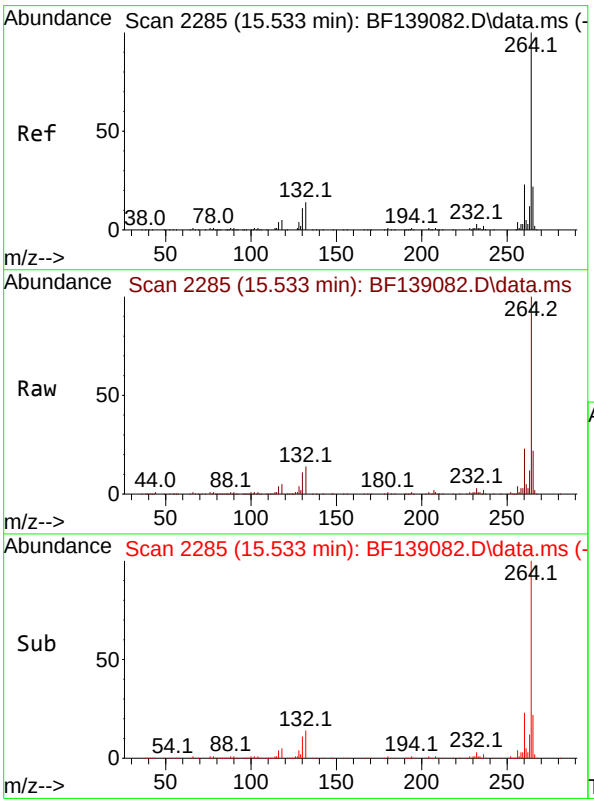
#85
Di-n-octyl phthalate
Concen: 38.335 ng
RT: 14.663 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 570241

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.0	9.6	14.4

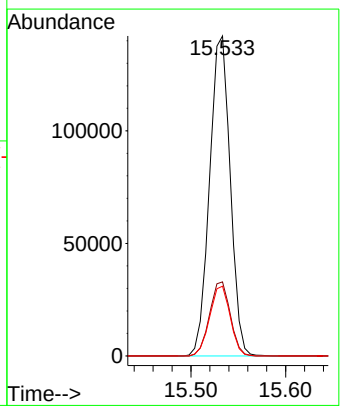


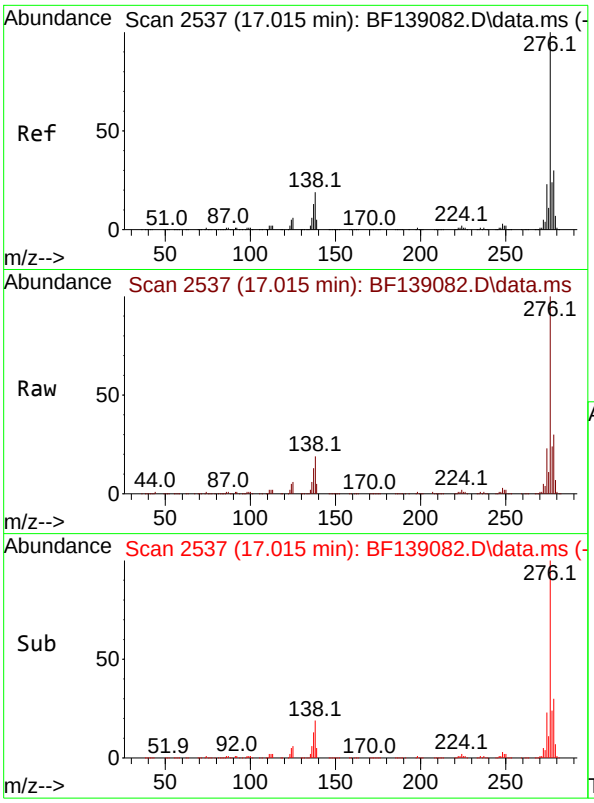


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:264 Resp: 215524

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	21.8	17.4	26.2



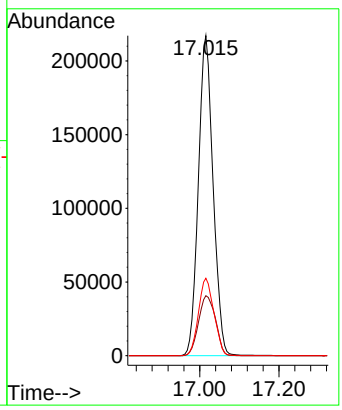


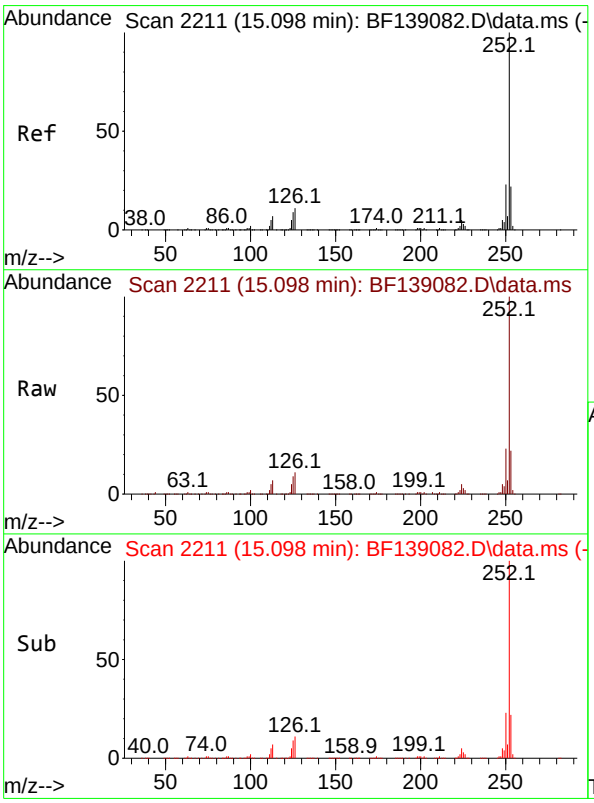
#87
Indeno(1,2,3-cd)pyrene
Concen: 44.364 ng
RT: 17.015 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 559590

Ion	Ratio	Lower	Upper
276	100		
138	21.6	17.3	25.9
277	25.3	20.2	30.4

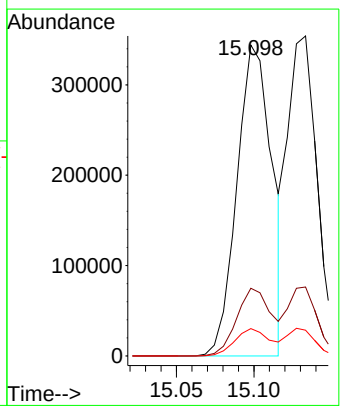


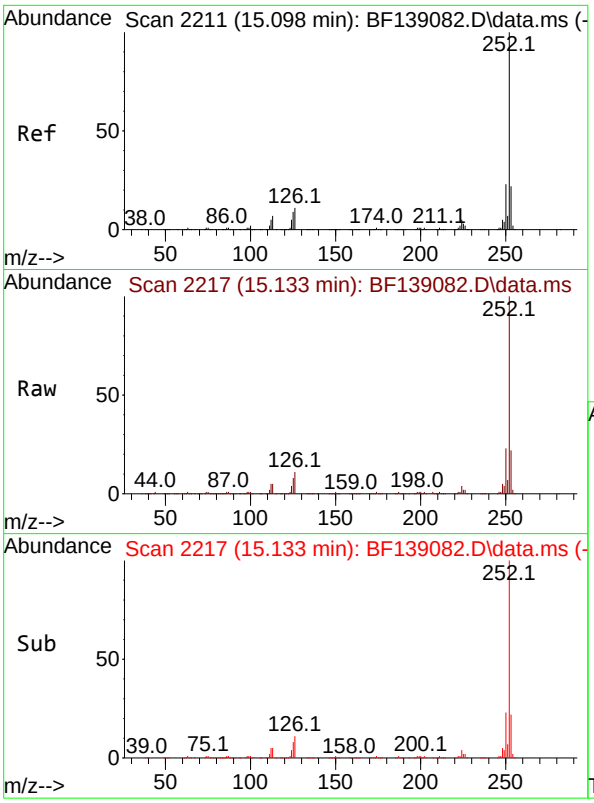


#88
Benzo(b)fluoranthene
Concen: 38.549 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:252 Resp: 541644

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	8.8	7.0	10.6



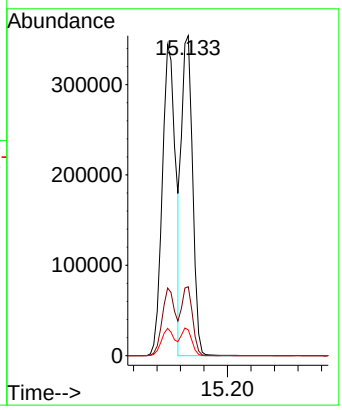


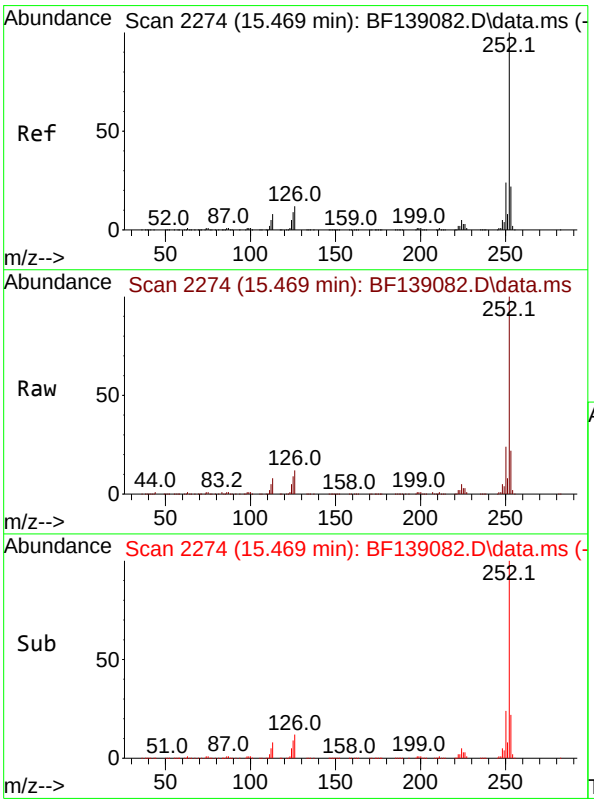
#89
Benzo(k)fluoranthene
Concen: 39.617 ng
RT: 15.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 463624

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	8.0	7.0	10.6

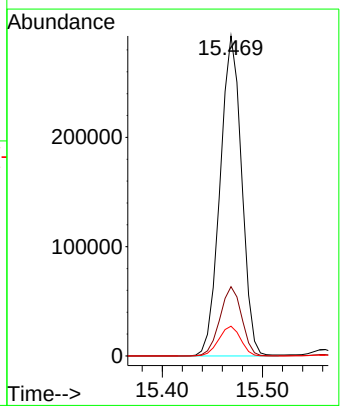


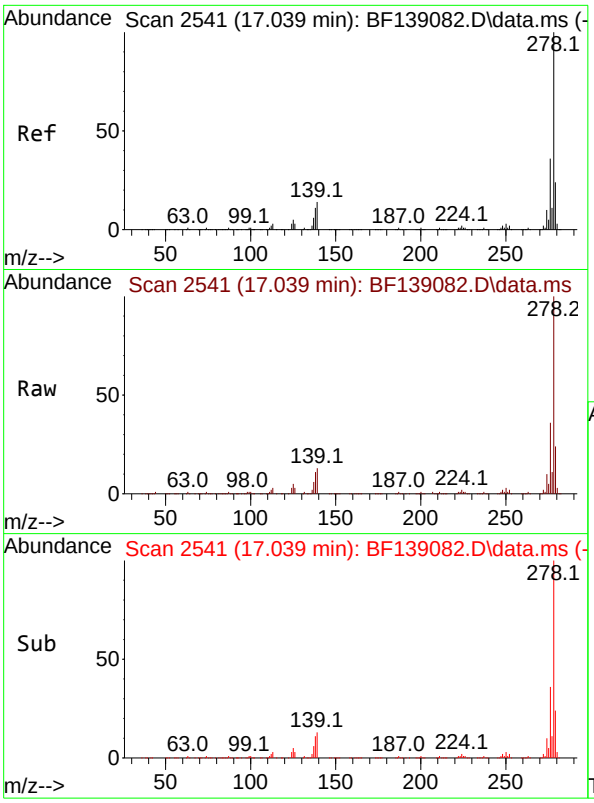


#90
Benzo(a)pyrene
Concen: 39.383 ng
RT: 15.469 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:252 Resp: 437250

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	9.3	7.4	11.2



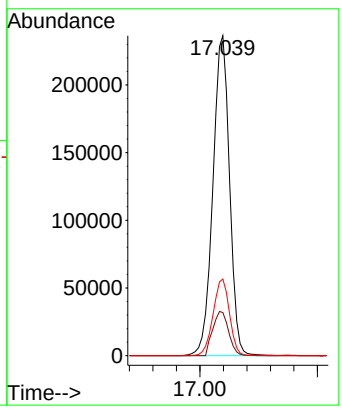


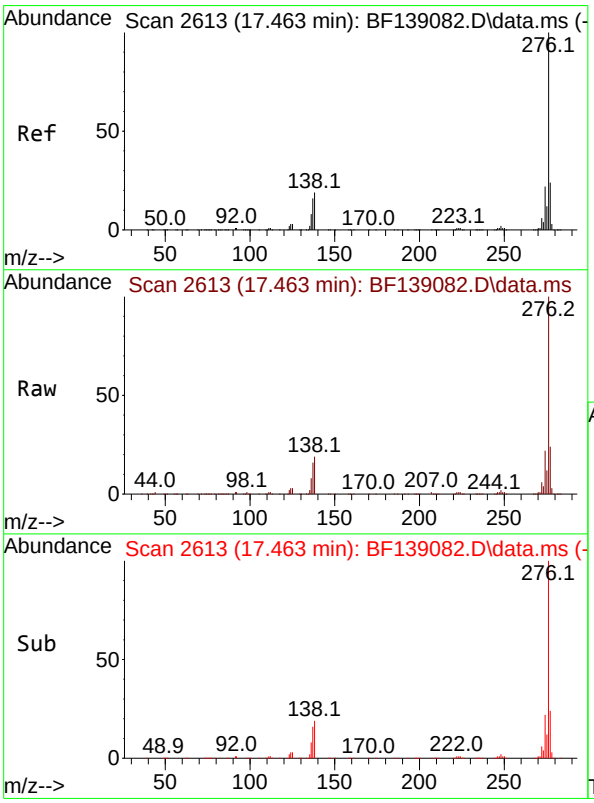
#91
Dibenzo(a,h)anthracene
Concen: 44.880 ng
RT: 17.039 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 464705

Ion	Ratio	Lower	Upper
278	100		
139	13.5	10.8	16.2
279	24.0	19.2	28.8

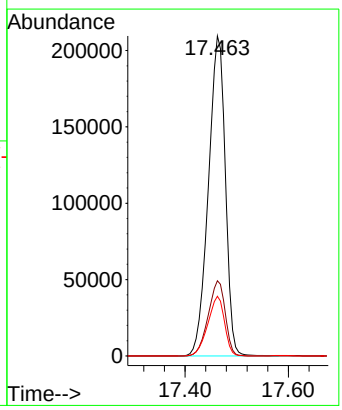




#92
Benzo(g,h,i)perylene
Concen: 40.737 ng
RT: 17.463 min Scan# 2613
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:276 Resp: 476605

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	18.7	15.0	22.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139083.D
Acq On : 20 Aug 2024 19:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 21 01:16:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	120087	20.000	ng		0.00
21) Naphthalene-d8	8.181	136	428233	20.000	ng		0.00
39) Acenaphthene-d10	9.933	164	244726	20.000	ng		0.00
64) Phenanthrene-d10	11.422	188	435216	20.000	ng		0.00
76) Chrysene-d12	14.057	240	257983	20.000	ng		0.00
86) Perylene-d12	15.533	264	221684	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	709868	90.946	ng		0.00
7) Phenol-d6	6.528	99	927595	91.973	ng		0.00
23) Nitrobenzene-d5	7.463	82	780517	106.205	ng		0.00
42) 2,4,6-Tribromophenol	10.722	330	228423	103.104	ng		0.00
45) 2-Fluorobiphenyl	9.257	172	1403411	90.986	ng		0.00
79) Terphenyl-d14	13.010	244	1602961	103.099	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.693	88	158525	47.352	ng		98
3) Pyridine	3.446	79	397241	46.694	ng		98
4) n-Nitrosodimethylamine	3.416	42	230786	44.907	ng		98
6) Aniline	6.563	93	441143	48.452	ng		98
8) 2-Chlorophenol	6.687	128	348670	46.443	ng		97
9) Benzaldehyde	6.451	77	253071	42.784	ng		98
10) Phenol	6.540	94	482496	45.979	ng		99
11) bis(2-Chloroethyl)ether	6.640	93	362974	43.175	ng		99
12) 1,3-Dichlorobenzene	6.840	146	412211	45.667	ng		99
13) 1,4-Dichlorobenzene	6.916	146	414519	45.930	ng		99
14) 1,2-Dichlorobenzene	7.069	146	383462	46.490	ng		99
15) Benzyl Alcohol	7.040	79	367836	46.146	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.175	45	530737	44.645	ng		99
17) 2-Methylphenol	7.145	107	300054	46.718	ng		99
18) Hexachloroethane	7.410	117	145566	45.997	ng		99
19) n-Nitroso-di-n-propyla...	7.316	70	286633	43.277	ng		98
20) 3+4-Methylphenols	7.304	107	377765	45.396	ng	#	87
22) Acetophenone	7.310	105	522165	47.756	ng	#	96
24) Nitrobenzene	7.487	77	422770	51.754	ng		99
25) Isophorone	7.722	82	742295	47.521	ng		99
26) 2-Nitrophenol	7.798	139	134698	47.369	ng		99
27) 2,4-Dimethylphenol	7.828	122	234033	47.248	ng		99
28) bis(2-Chloroethoxy)met...	7.934	93	420910	46.117	ng		99
29) 2,4-Dichlorophenol	8.034	162	297490	48.209	ng		99
30) 1,2,4-Trichlorobenzene	8.122	180	336604	46.584	ng		99
31) Naphthalene	8.204	128	1011804	46.625	ng		100
32) Benzoic acid	7.951	122	196362	47.307	ng		96
33) 4-Chloroaniline	8.257	127	353187	47.522	ng		99
34) Hexachlorobutadiene	8.322	225	220457	46.706	ng		98
35) Caprolactam	8.628	113	95778	48.962	ng		96
36) 4-Chloro-3-methylphenol	8.728	107	325883	47.695	ng		100
37) 2-Methylnaphthalene	8.892	142	639945	45.976	ng		100
38) 1-Methylnaphthalene	8.992	142	626401	46.628	ng		99
40) 1,2,4,5-Tetrachloroben...	9.057	216	324789	48.823	ng		99
41) Hexachlorocyclopentadiene	9.045	237	129139	50.150	ng		99
43) 2,4,6-Trichlorophenol	9.169	196	220485	48.765	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139083.D
Acq On : 20 Aug 2024 19:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 21 01:16:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	222250	47.888	ng		99
46) 1,1'-Biphenyl	9.357	154	796005	47.482	ng		99
47) 2-Chloronaphthalene	9.381	162	640430	47.016	ng		99
48) 2-Nitroaniline	9.475	65	185732	47.625	ng		99
49) Acenaphthylene	9.798	152	931863	47.756	ng		99
50) Dimethylphthalate	9.663	163	722749	47.837	ng		100
51) 2,6-Dinitrotoluene	9.722	165	148393	48.876	ng		96
52) Acenaphthene	9.969	154	602546	46.747	ng		100
53) 3-Nitroaniline	9.886	138	148944	48.524	ng		97
54) 2,4-Dinitrophenol	9.986	184	48952	48.733	ng	#	71
55) Dibenzofuran	10.139	168	881838	47.102	ng		100
56) 4-Nitrophenol	10.033	139	121765	53.318	ng		97
57) 2,4-Dinitrotoluene	10.122	165	181675	47.840	ng		98
58) Fluorene	10.486	166	698713	46.700	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.257	232	187360	50.280	ng		99
60) Diethylphthalate	10.363	149	718768	48.014	ng		100
61) 4-Chlorophenyl-phenyle...	10.475	204	350687	46.930	ng		99
62) 4-Nitroaniline	10.504	138	151761	48.866	ng		99
63) Azobenzene	10.639	77	793171	47.679	ng		100
65) 4,6-Dinitro-2-methylph...	10.528	198	77438	49.099	ng		97
66) n-Nitrosodiphenylamine	10.598	169	591363	45.922	ng		99
67) 4-Bromophenyl-phenylether	10.969	248	216829	47.017	ng		99
68) Hexachlorobenzene	11.027	284	233747	47.245	ng		100
69) Atrazine	11.122	200	177936	45.242	ng		99
70) Pentachlorophenol	11.216	266	161268	51.028	ng		98
71) Phenanthrene	11.445	178	1020127	46.116	ng		100
72) Anthracene	11.498	178	1005538	46.480	ng		100
73) Carbazole	11.651	167	940634	46.563	ng		100
74) Di-n-butylphthalate	11.986	149	1074018	45.851	ng		100
75) Fluoranthene	12.633	202	1088934	46.121	ng		100
77) Benzidine	12.751	184	283155	53.135	ng		99
78) Pyrene	12.863	202	1099257	51.059	ng		100
80) Butylbenzylphthalate	13.486	149	389571	52.304	ng		99
81) Benzo(a)anthracene	14.051	228	794569	46.853	ng		99
82) 3,3'-Dichlorobenzidine	14.010	252	212078	44.739	ng		99
83) Chrysene	14.086	228	716847	46.635	ng		100
84) Bis(2-ethylhexyl)phtha...	14.045	149	492852	49.913	ng		100
85) Di-n-octyl phthalate	14.663	149	643574	46.438	ng		100
87) Indeno(1,2,3-cd)pyrene	17.015	276	725173	55.893	ng		100
88) Benzo(b)fluoranthene	15.104	252	639143	44.224	ng		99
89) Benzo(k)fluoranthene	15.133	252	564533	46.900	ng		99
90) Benzo(a)pyrene	15.468	252	543904	47.628	ng		99
91) Dibenzo(a,h)anthracene	17.039	278	593343	55.711	ng		99
92) Benzo(g,h,i)perylene	17.468	276	611003	50.085	ng		100

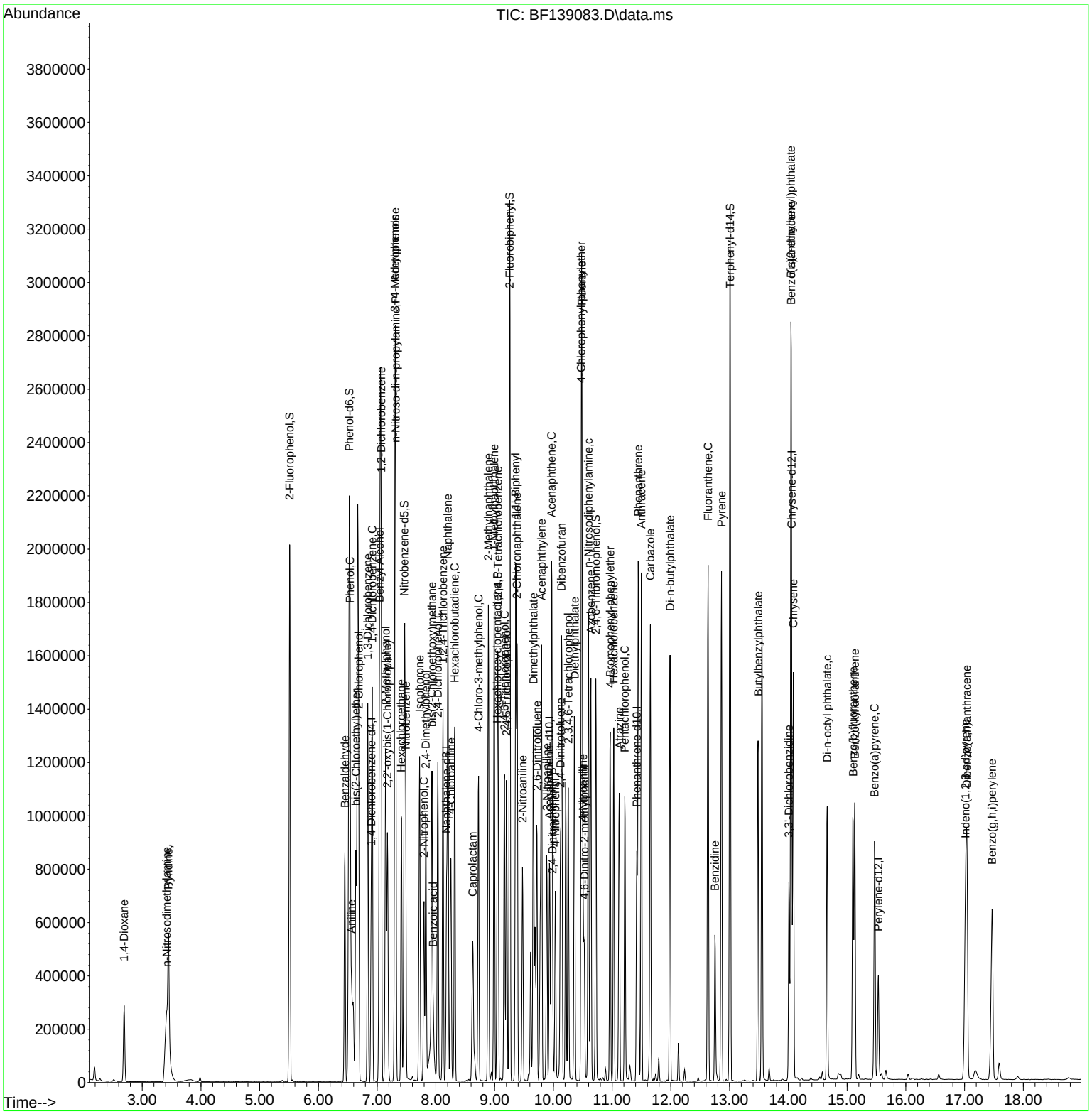
(#) = qualifier out of range (m) = manual integration (+) = signals summed

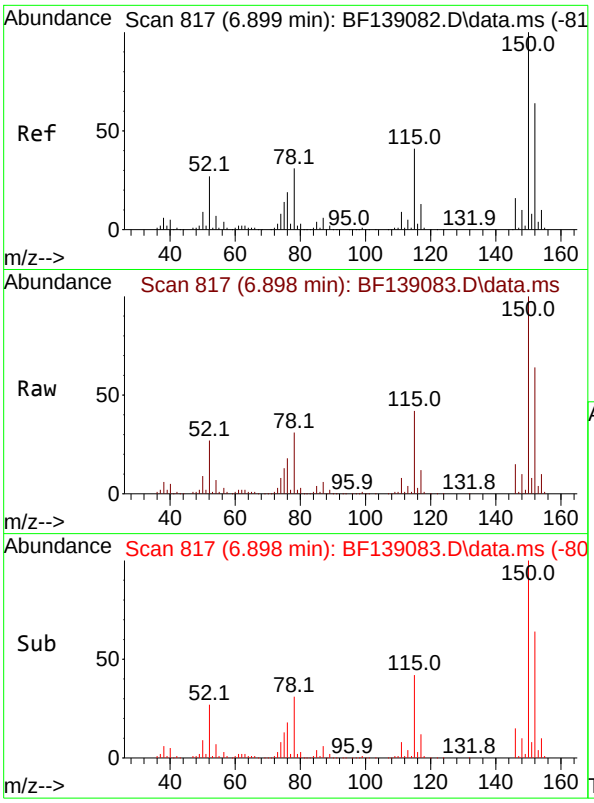
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139083.D
Acq On : 20 Aug 2024 19:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 21 01:16:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration



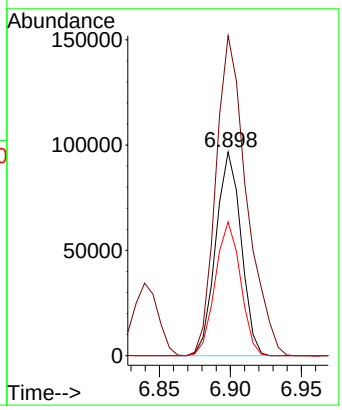


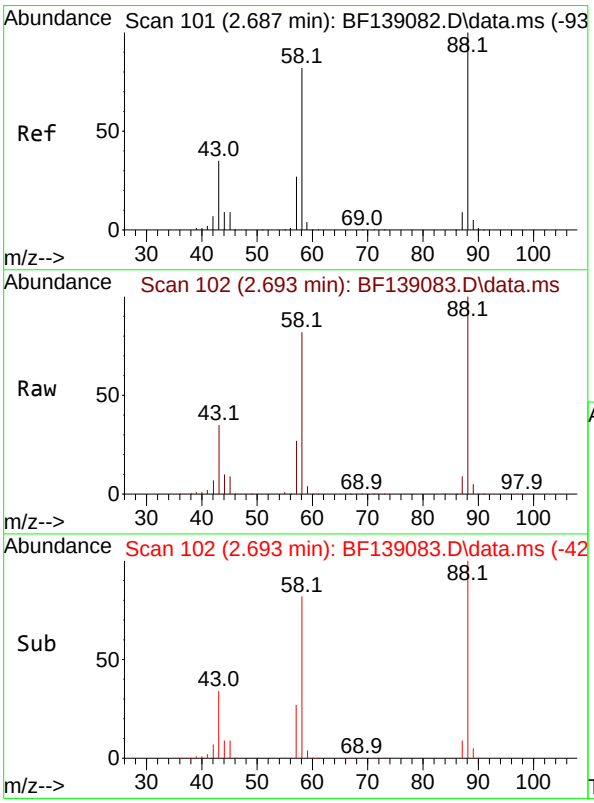
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 120087

Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.1	187.7
115	65.7	51.8	77.6

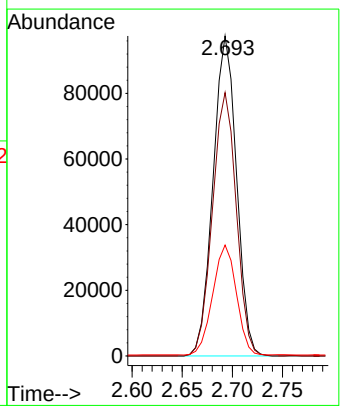


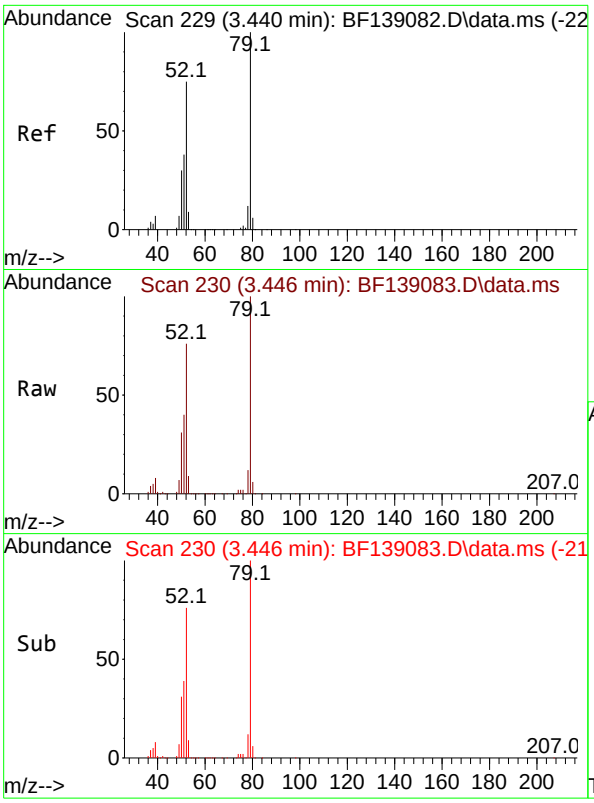


#2
1,4-Dioxane
Concen: 47.352 ng
RT: 2.693 min Scan# 102
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion: 88 Resp: 158525

Ion	Ratio	Lower	Upper
88	100		
58	83.5	65.4	98.0
43	34.7	27.9	41.9



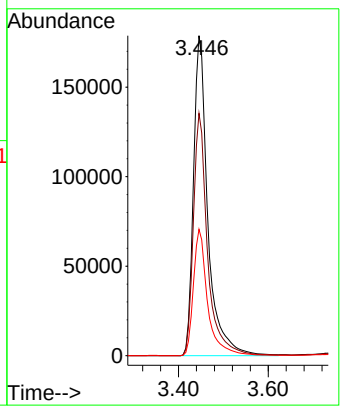


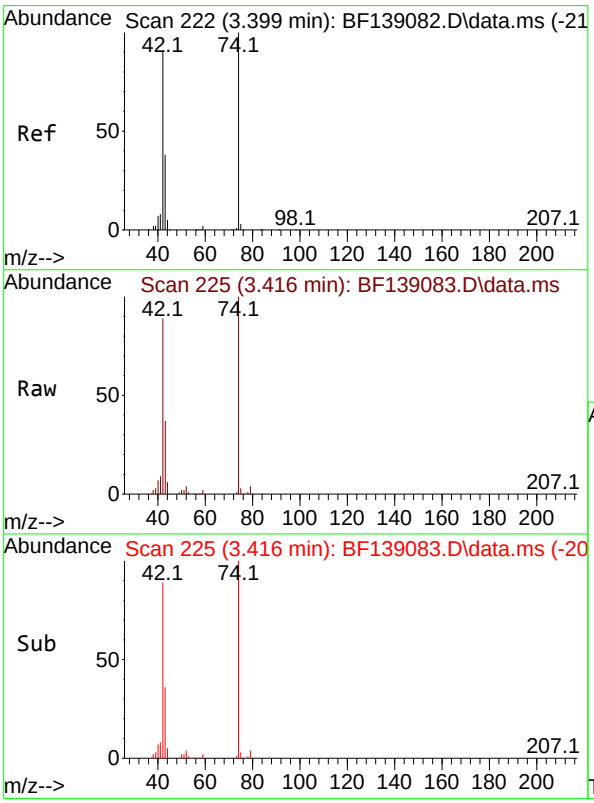
#3
Pyridine
Concen: 46.694 ng
RT: 3.446 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 397241

Ion	Ratio	Lower	Upper
79	100		
52	75.8	59.7	89.5
51	39.5	30.6	45.8

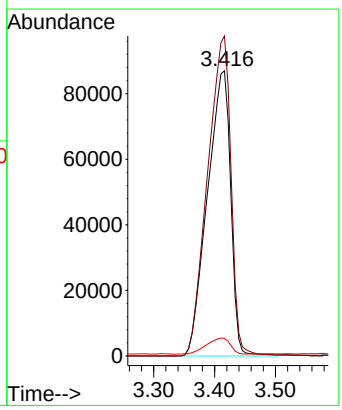


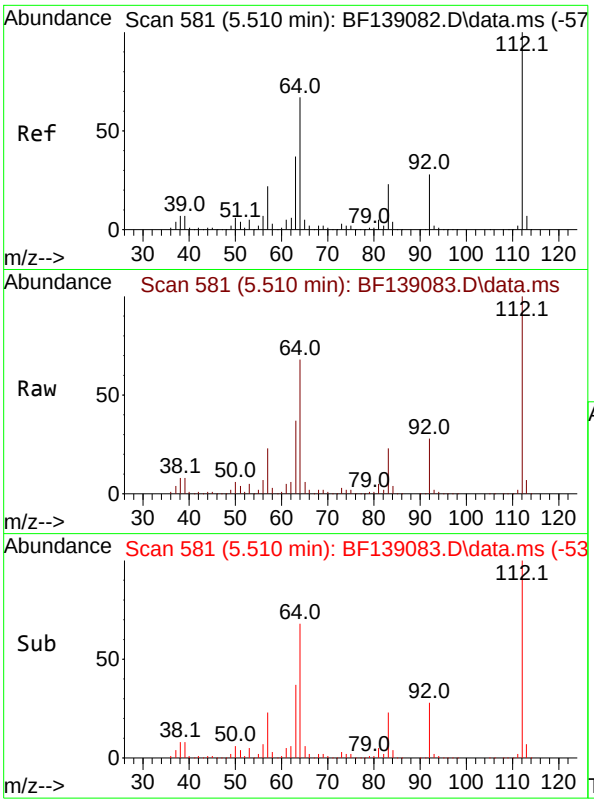


#4
n-Nitrosodimethylamine
Concen: 44.907 ng
RT: 3.416 min Scan# 225
Delta R.T. 0.017 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion: 42 Resp: 230786

Ion	Ratio	Lower	Upper
42	100		
74	112.2	88.2	132.2
44	6.2	5.4	8.0



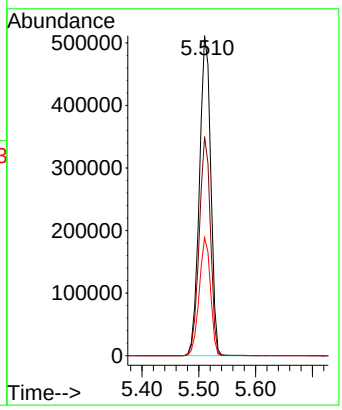


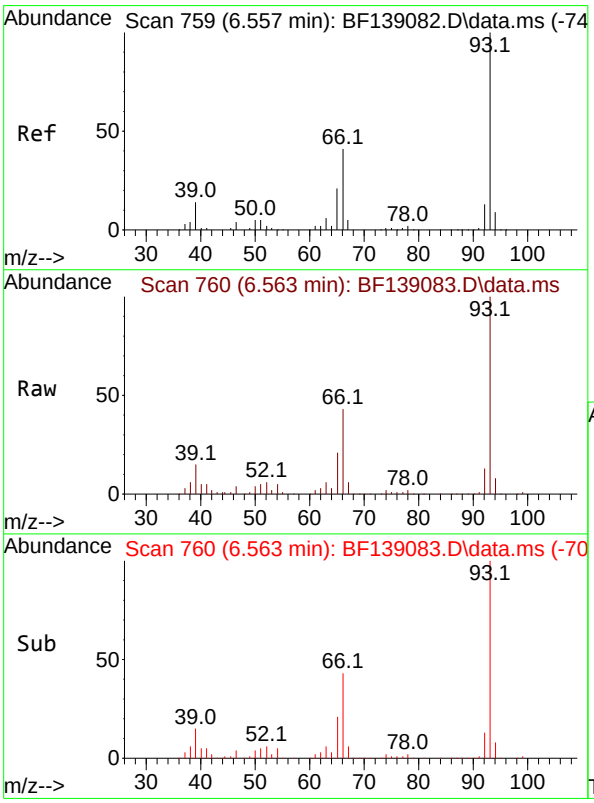
#5
2-Fluorophenol
Concen: 90.946 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 709868

Ion	Ratio	Lower	Upper
112	100		
64	68.5	53.8	80.6
63	36.9	29.4	44.2

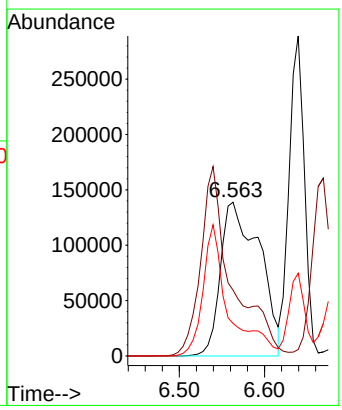


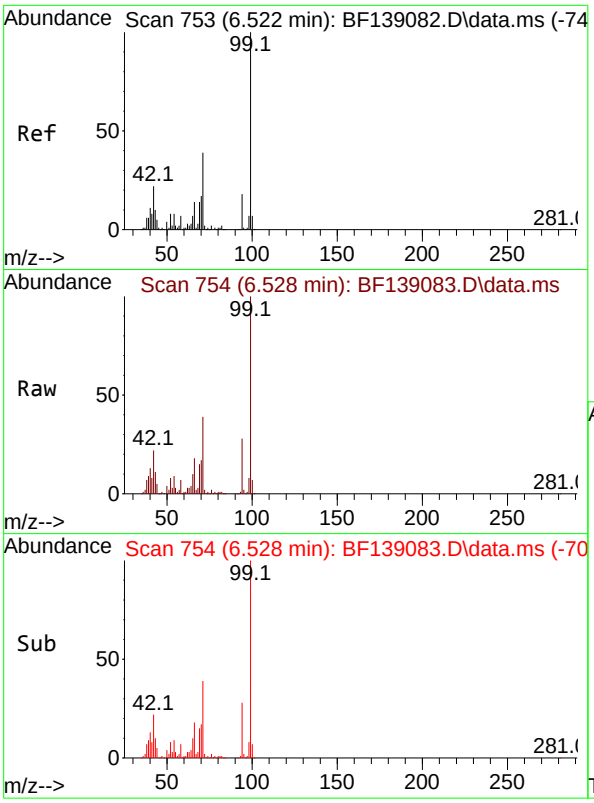


#6
Aniline
Concen: 48.452 ng
RT: 6.563 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion: 93 Resp: 441143

Ion	Ratio	Lower	Upper
93	100		
66	42.8	35.1	52.7
65	21.1	17.4	26.2



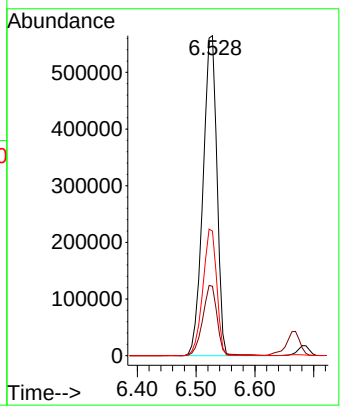


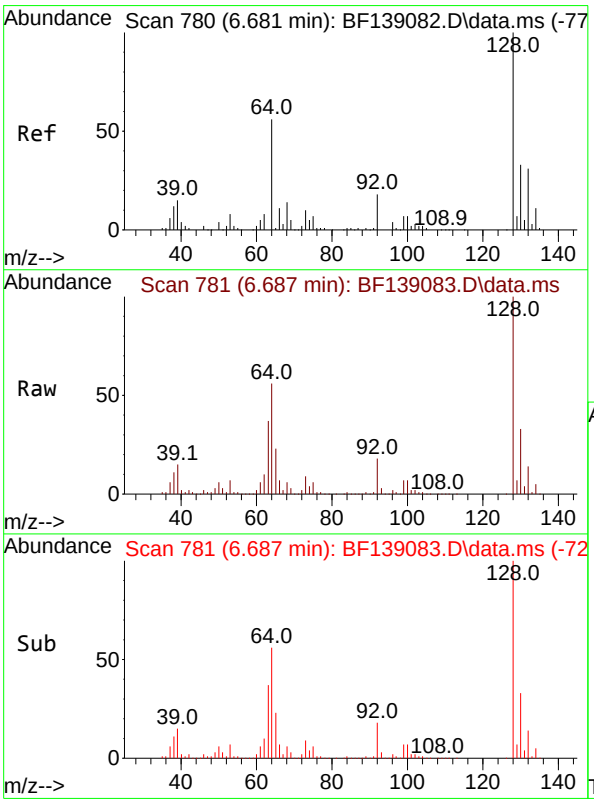
#7
Phenol-d6
Concen: 91.973 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 927595

Ion	Ratio	Lower	Upper
99	100		
42	21.7	17.4	26.2
71	38.9	31.2	46.8

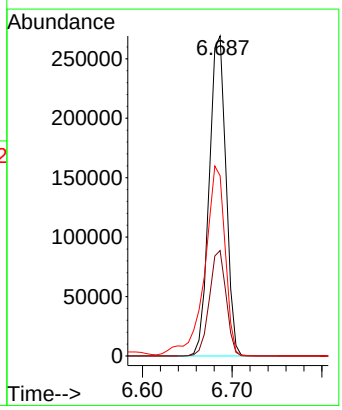


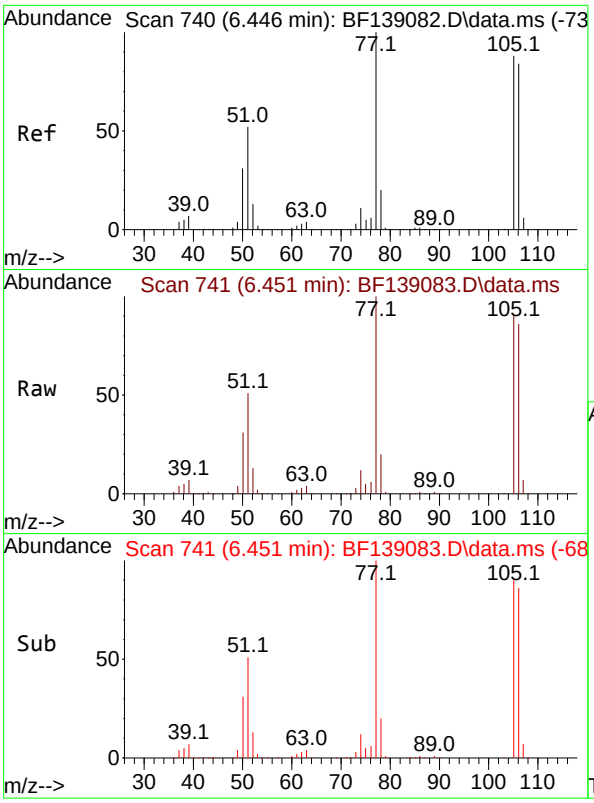


#8
2-Chlorophenol
Concen: 46.443 ng
RT: 6.687 min Scan# 781
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:128 Resp: 348670

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.6	52.6
64	56.3	39.1	79.1



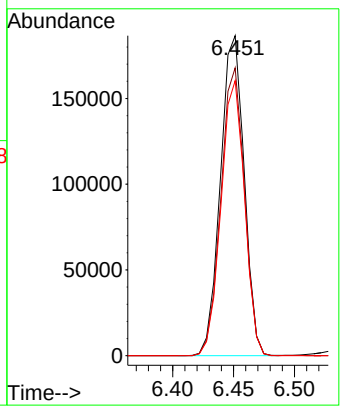


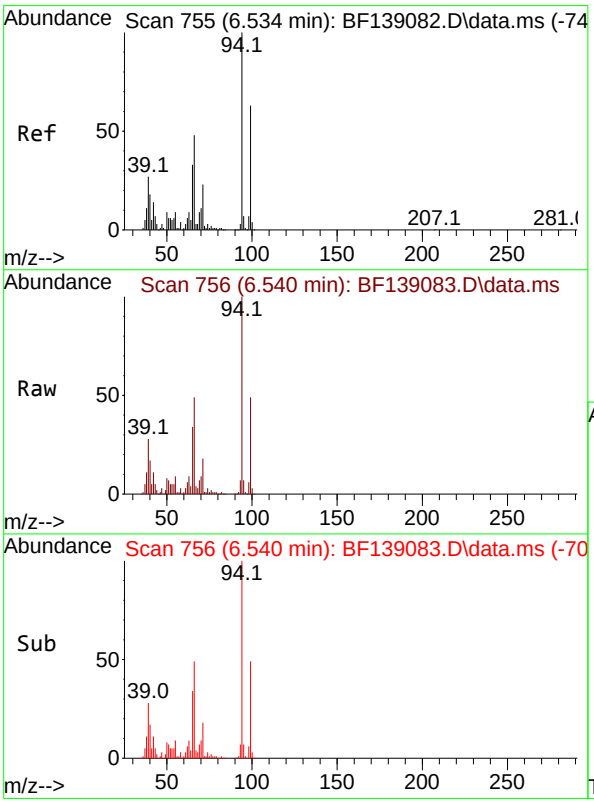
#9
Benzaldehyde
Concen: 42.784 ng
RT: 6.451 min Scan# 74
Delta R.T. 0.005 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 253071

Ion	Ratio	Lower	Upper
77	100		
105	90.0	68.2	108.2
106	86.0	63.8	103.8

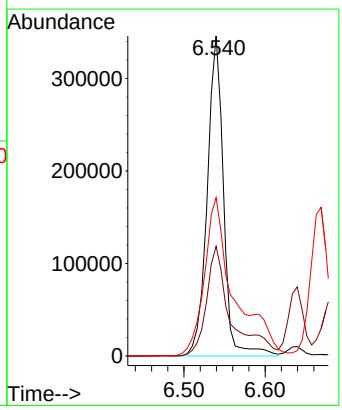


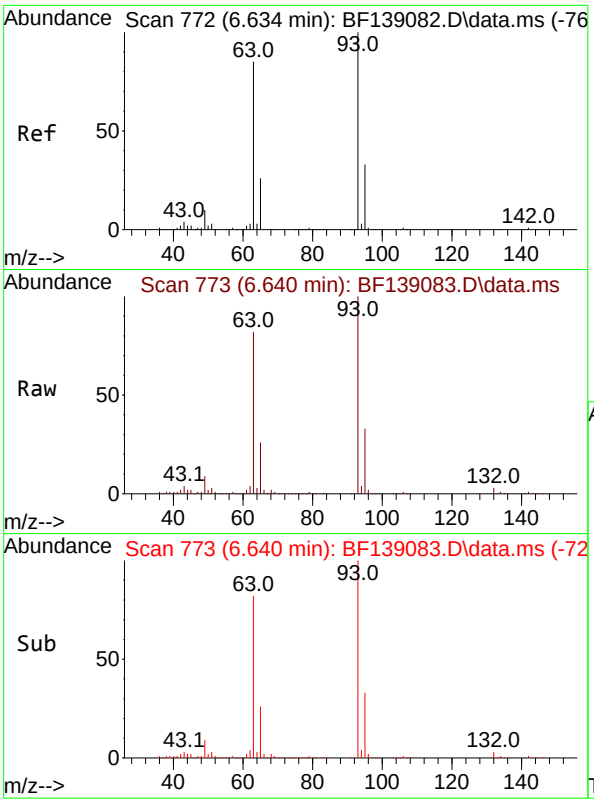


#10
Phenol
Concen: 45.979 ng
RT: 6.540 min Scan# 756
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion: 94 Resp: 482496

Ion	Ratio	Lower	Upper
94	100		
65	34.2	13.5	53.5
66	49.4	28.5	68.5



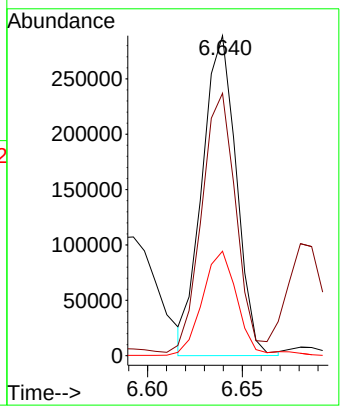


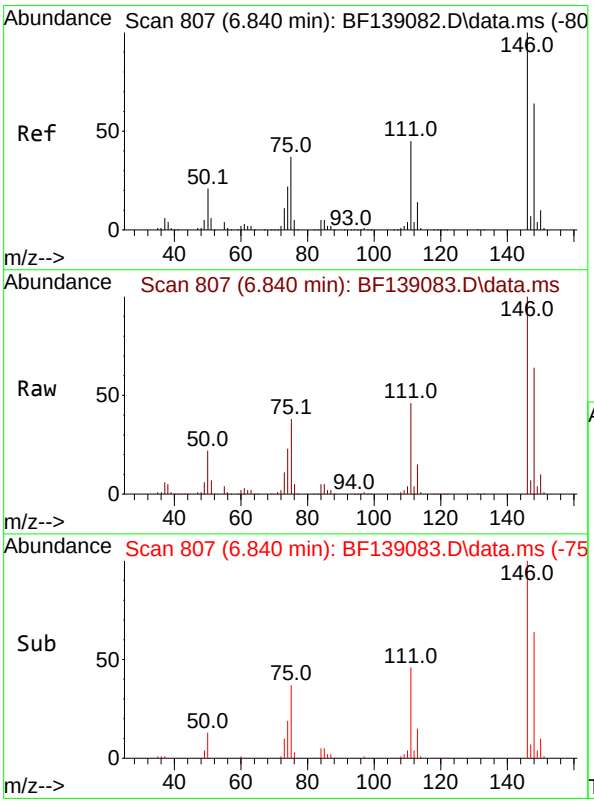
#11
bis(2-Chloroethyl)ether
Concen: 43.175 ng
RT: 6.640 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 362974

Ion	Ratio	Lower	Upper
93	100		
63	82.0	62.7	102.7
95	32.7	11.9	51.9

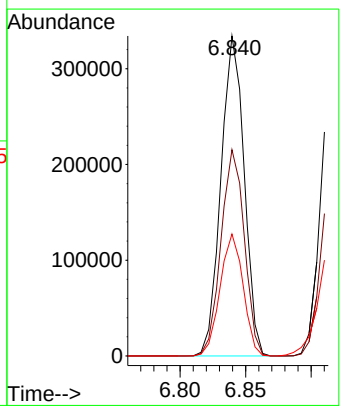


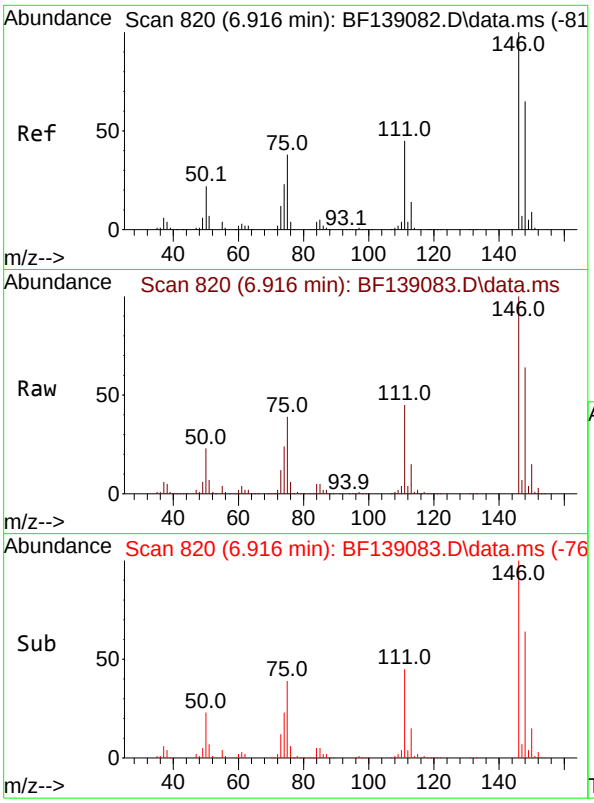


#12
1,3-Dichlorobenzene
Concen: 45.667 ng
RT: 6.840 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:146 Resp: 412211

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.2	76.8
75	38.1	29.9	44.9



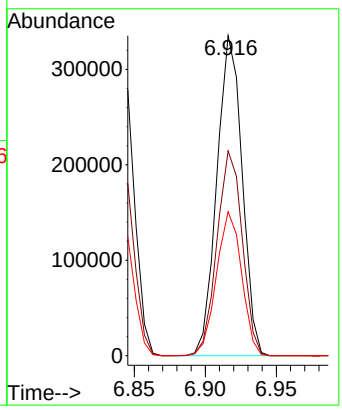


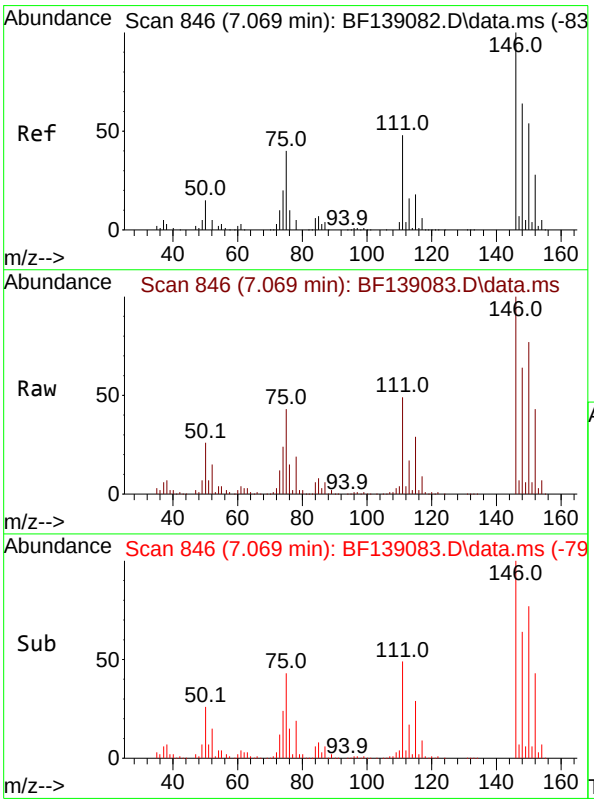
#13
1,4-Dichlorobenzene
Concen: 45.930 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 414519

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.9	77.9
111	45.0	35.8	53.6

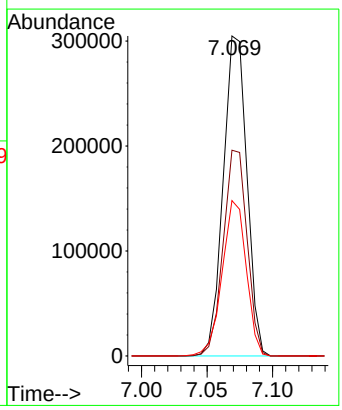


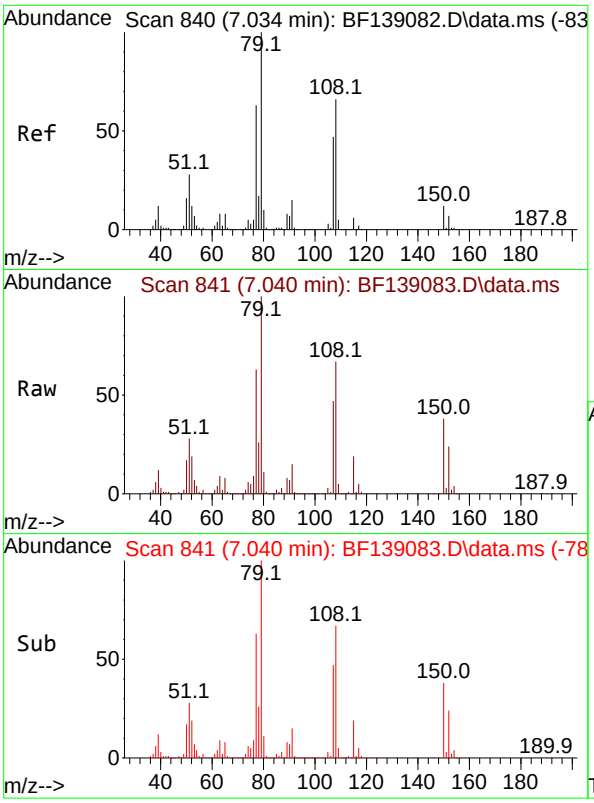


#14
1,2-Dichlorobenzene
Concen: 46.490 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:146 Resp: 383462

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
111	48.5	38.1	57.1



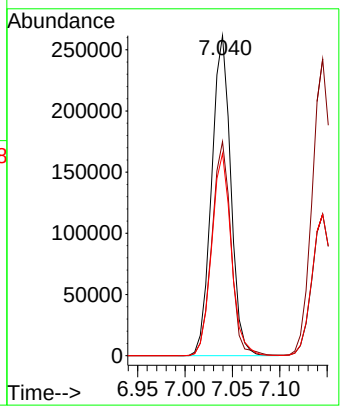


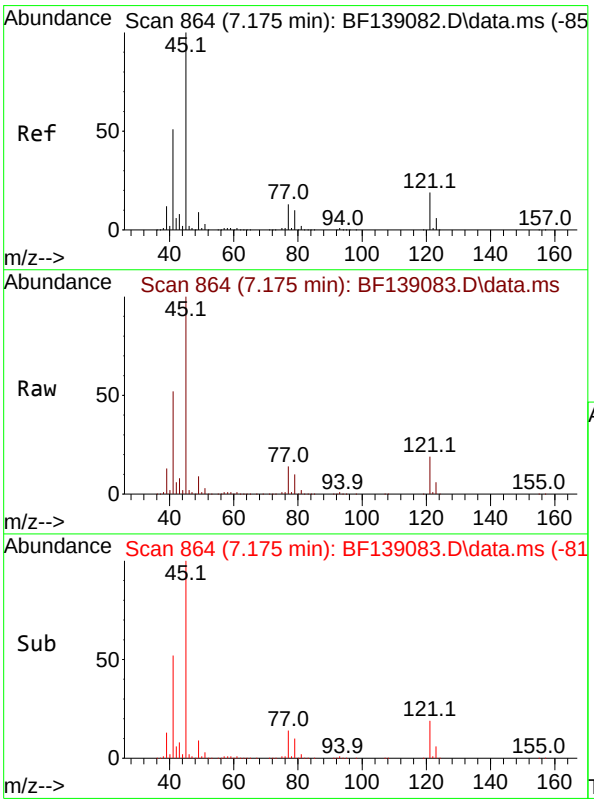
#15
Benzyl Alcohol
Concen: 46.146 ng
RT: 7.040 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 367836

Ion	Ratio	Lower	Upper
79	100		
108	66.9	52.8	79.2
77	63.2	50.6	76.0

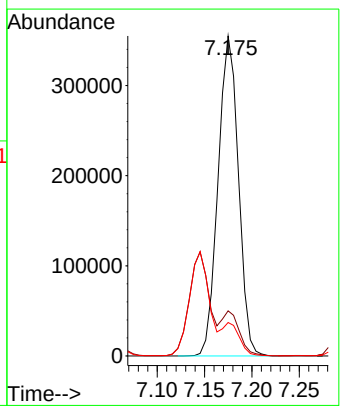


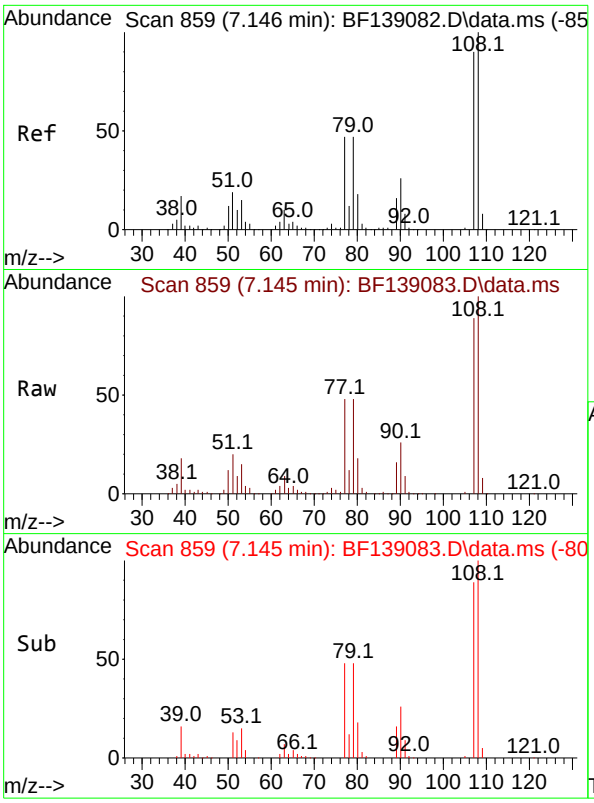


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.645 ng
RT: 7.175 min Scan# 864
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion: 45 Resp: 530737

Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	33.7
79	10.5	0.0	30.4



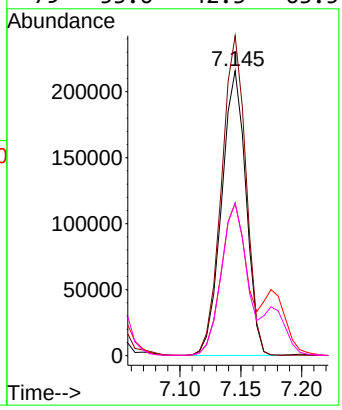


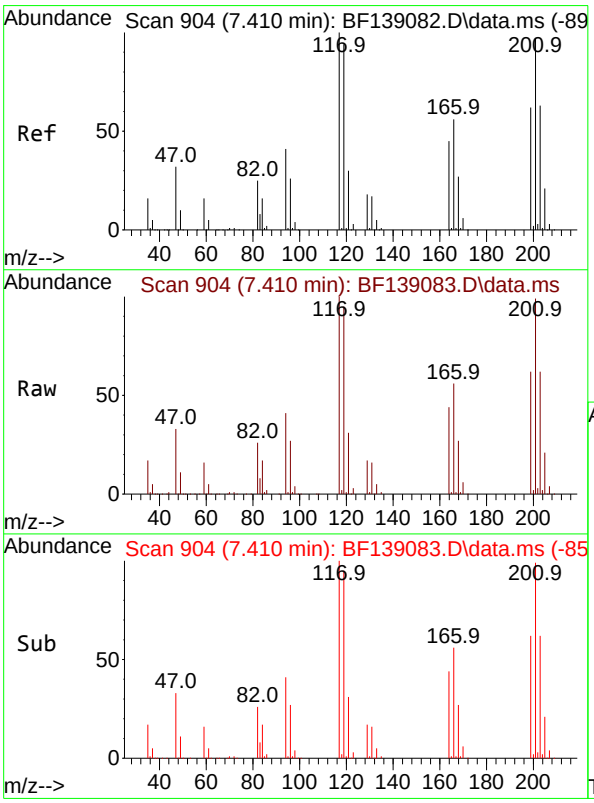
#17
2-Methylphenol
Concen: 46.718 ng
RT: 7.145 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 300054

Ion	Ratio	Lower	Upper
107	100		
108	112.3	89.1	133.7
77	53.6	42.1	63.1
79	53.6	42.3	63.5

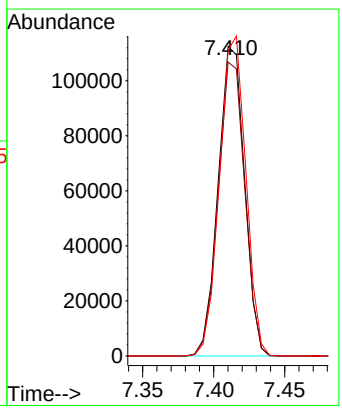


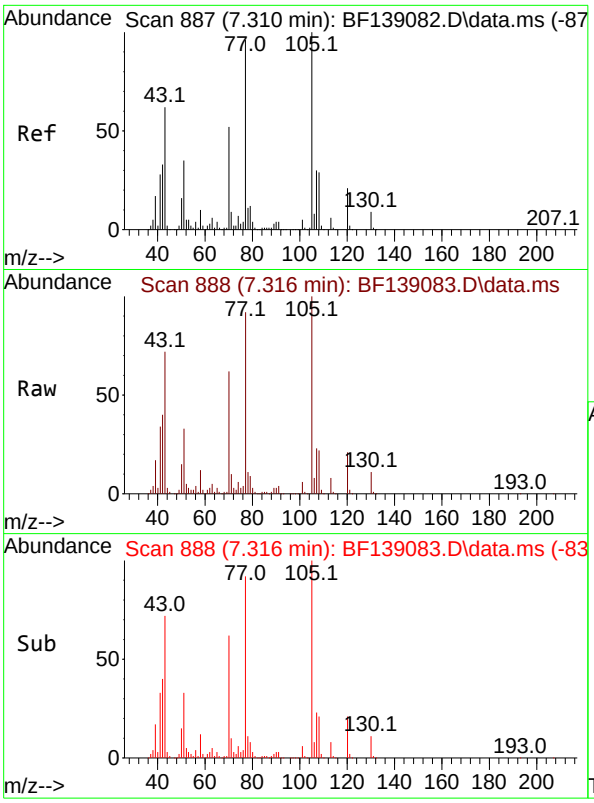


#18
Hexachloroethane
Concen: 45.997 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:117 Resp: 145566

Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.5	113.3
201	98.8	77.8	116.8



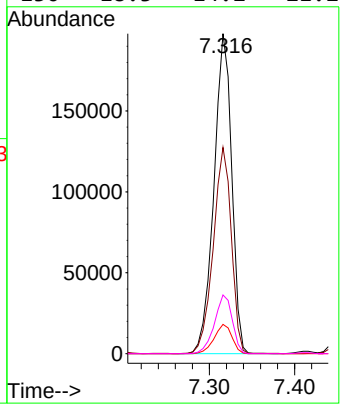


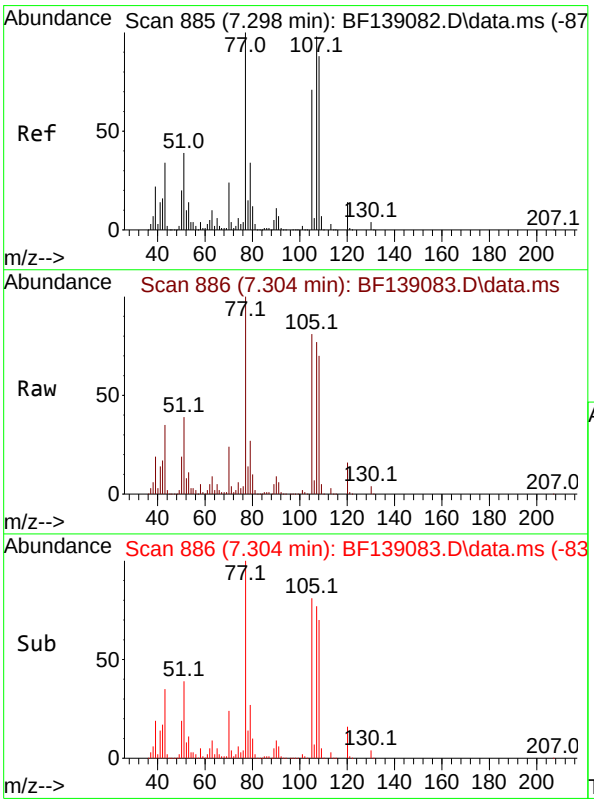
#19
n-Nitroso-di-n-propylamine
Concen: 43.277 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 286633

Ion	Ratio	Lower	Upper
70	100		
42	64.5	50.5	75.7
101	9.1	7.2	10.8
130	18.3	14.2	21.2

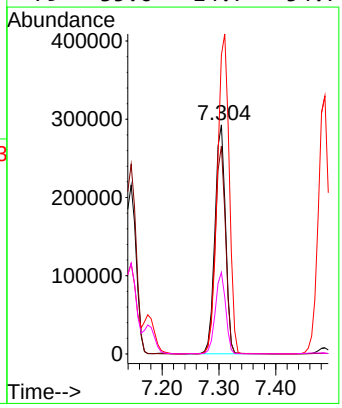


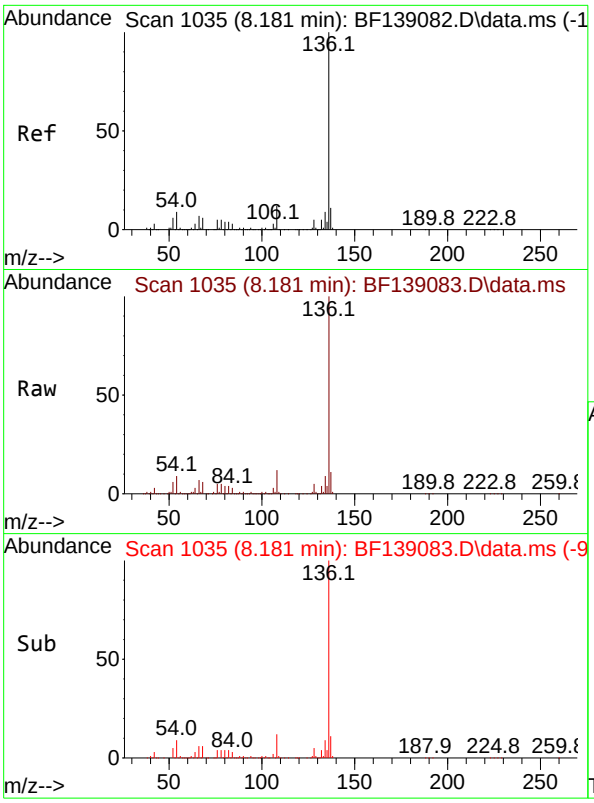


#20
3+4-Methylphenols
Concen: 45.396 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:107 Resp: 377765

Ion	Ratio	Lower	Upper
107	100		
108	90.7	70.2	110.2
77	130.6	82.7	122.7#
79	35.6	14.7	54.7



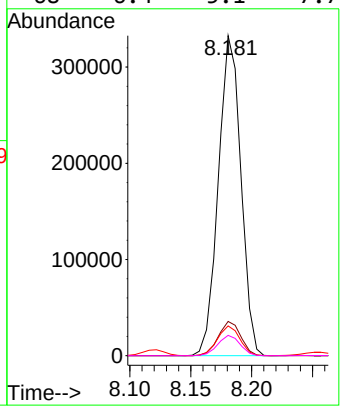


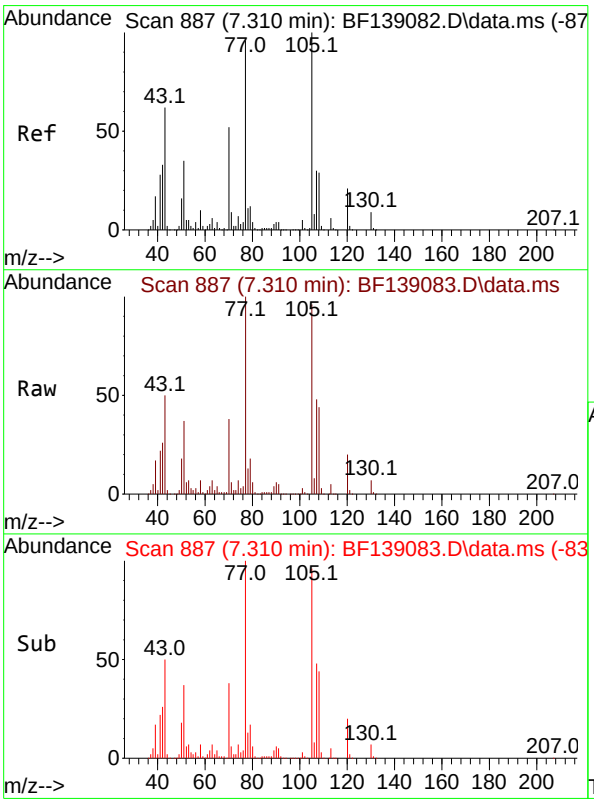
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 428233

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	9.3	7.6	11.4
68	6.4	5.1	7.7

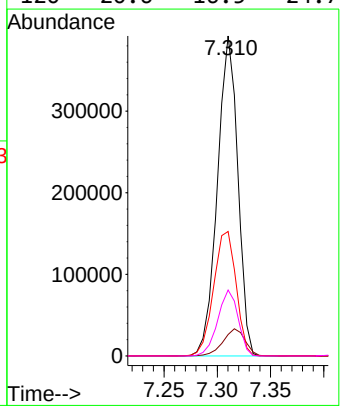


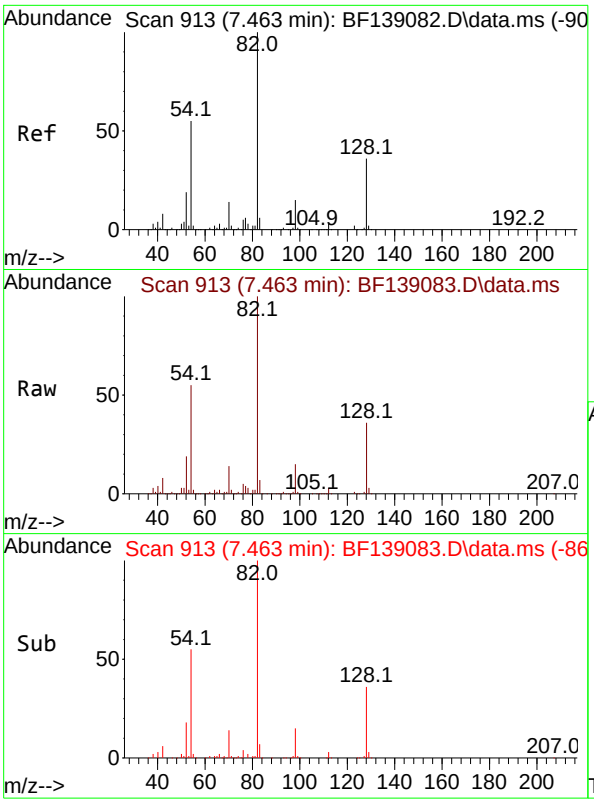


#22
Acetophenone
Concen: 47.756 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:105 Resp: 522165

Ion	Ratio	Lower	Upper
105	100		
71	6.7	7.0	10.6#
51	38.9	28.0	42.0
120	20.6	16.5	24.7



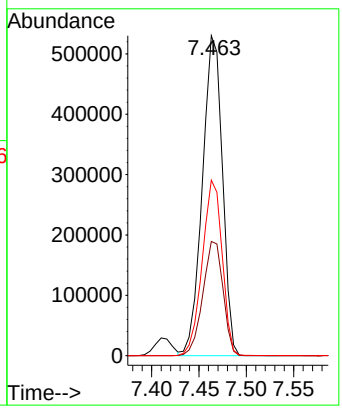


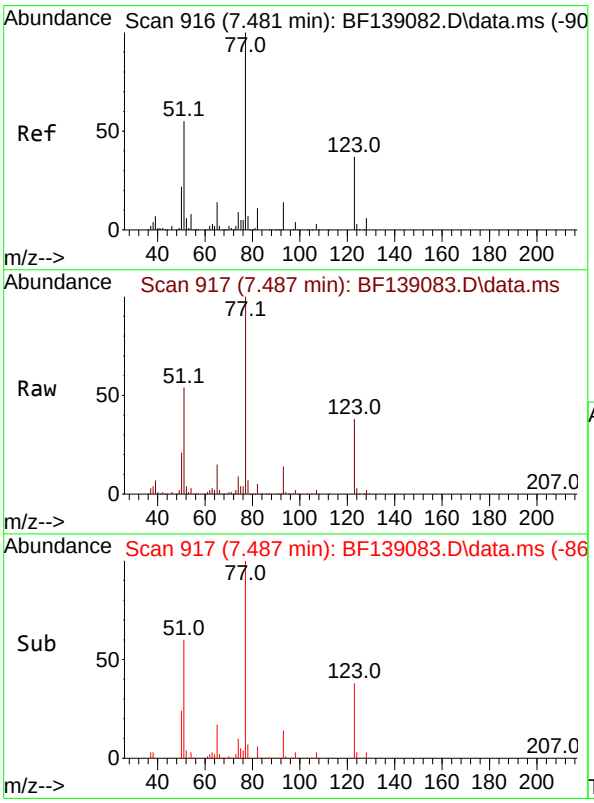
#23
Nitrobenzene-d5
Concen: 106.205 ng
RT: 7.463 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 780517

Ion	Ratio	Lower	Upper
82	100		
128	35.7	29.0	43.4
54	54.8	43.4	65.2

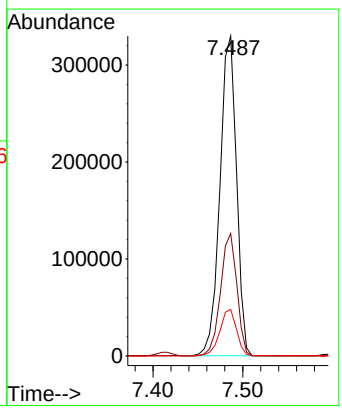


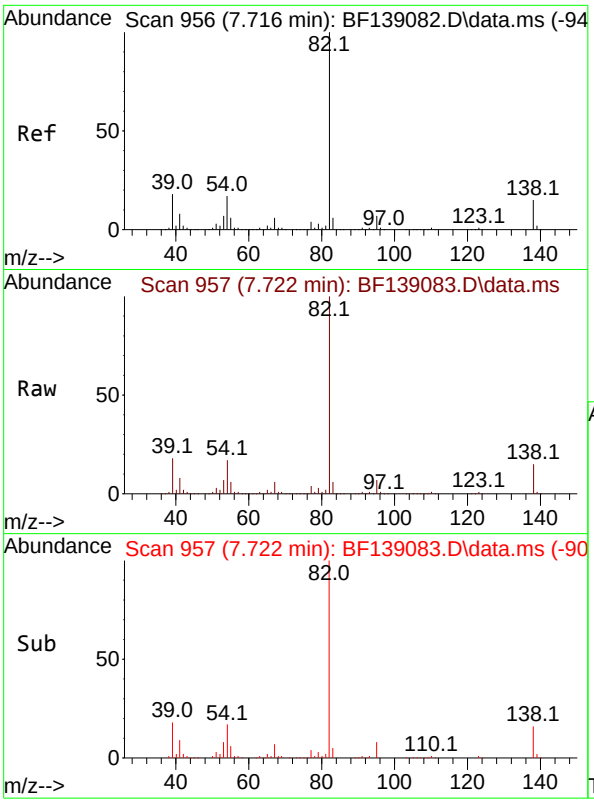


#24
Nitrobenzene
Concen: 51.754 ng
RT: 7.487 min Scan# 917
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion: 77 Resp: 422770

Ion	Ratio	Lower	Upper
77	100		
123	38.3	30.3	45.5
65	14.5	11.3	16.9



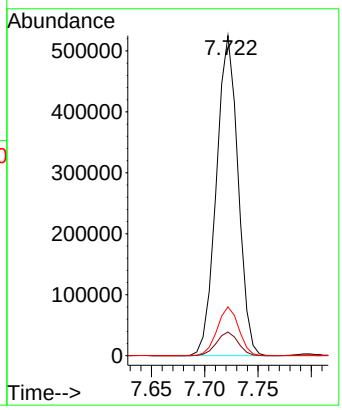


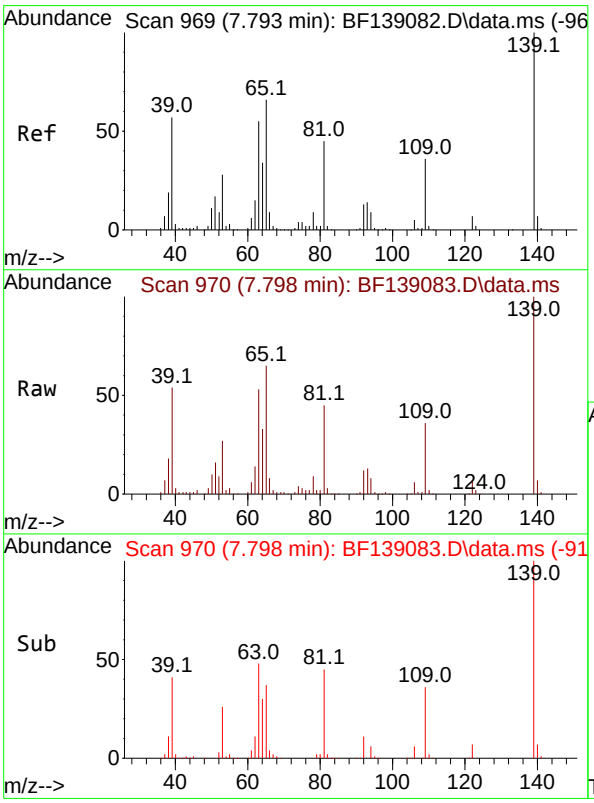
#25
Isophorone
Concen: 47.521 ng
RT: 7.722 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 742295

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.9	8.9
138	15.2	11.8	17.8

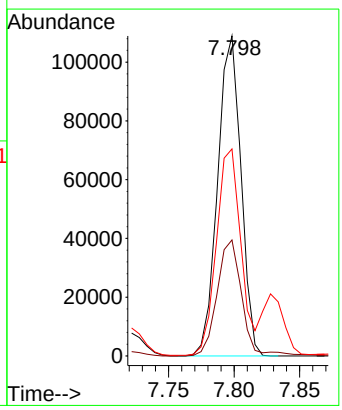


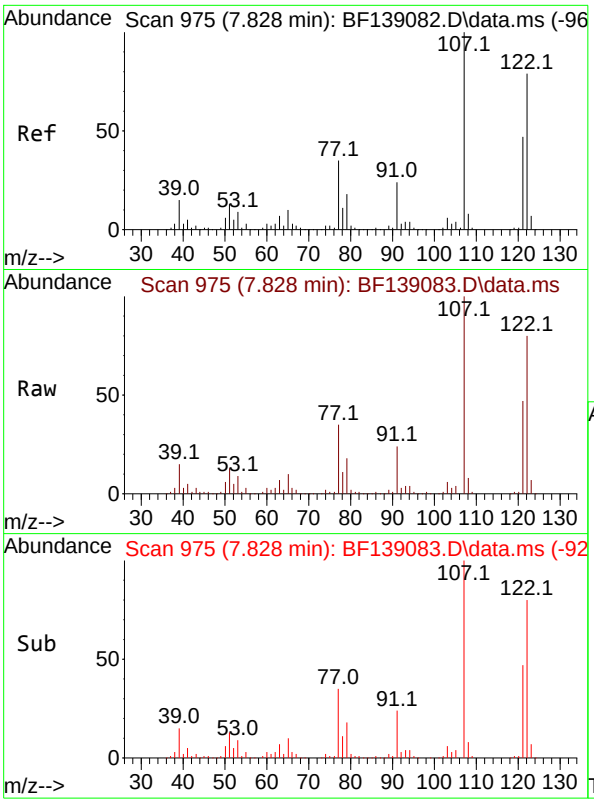


#26
2-Nitrophenol
Concen: 47.369 ng
RT: 7.798 min Scan# 970
Delta R.T. 0.005 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:139 Resp: 134698

Ion	Ratio	Lower	Upper
139	100		
109	36.3	29.2	43.8
65	64.7	52.7	79.1



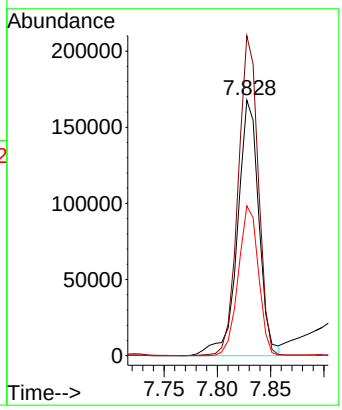


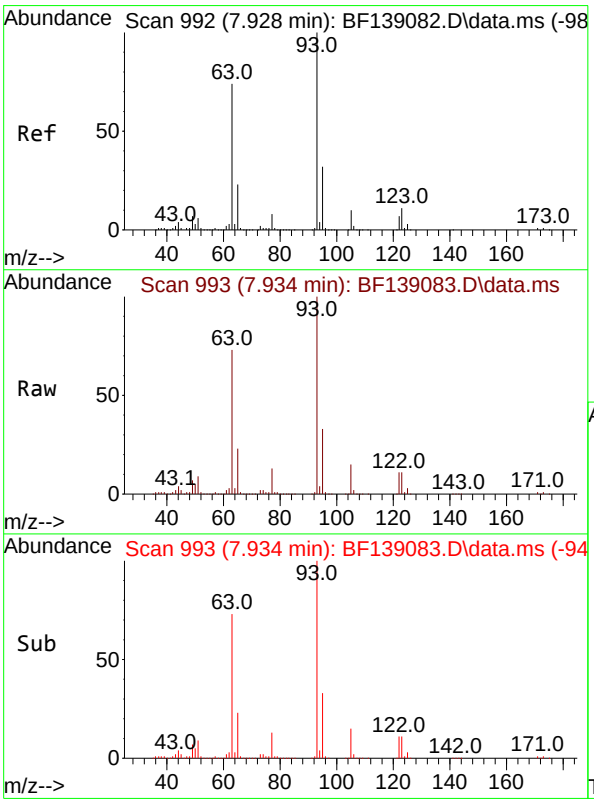
#27
2,4-Dimethylphenol
Concen: 47.248 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 234033

Ion	Ratio	Lower	Upper
122	100		
107	125.2	101.1	151.7
121	58.6	47.5	71.3

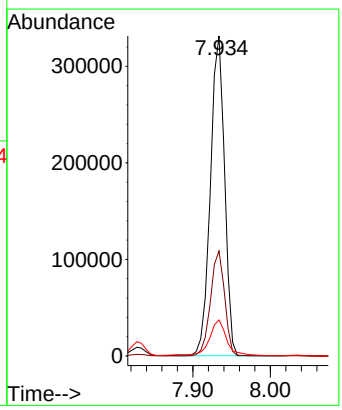


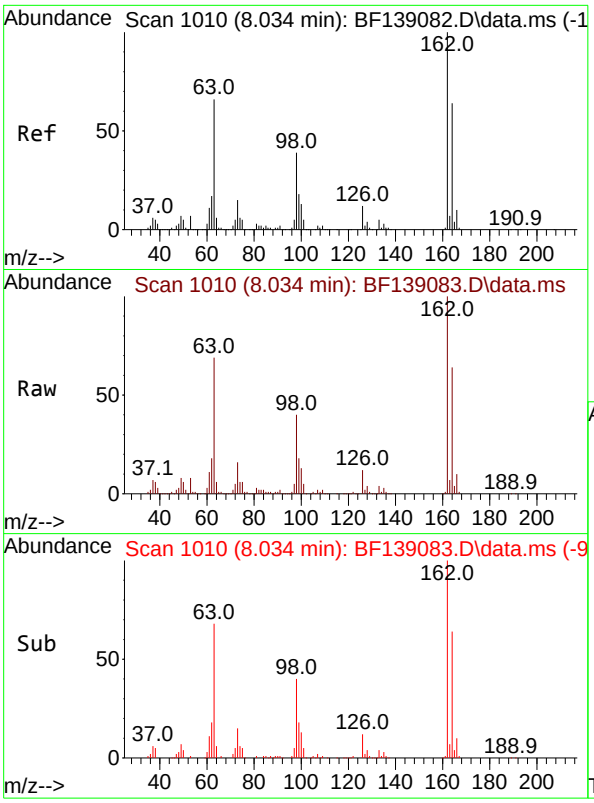


#28
bis(2-Chloroethoxy)methane
Concen: 46.117 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion: 93 Resp: 420910

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.8	38.8
123	11.3	8.9	13.3



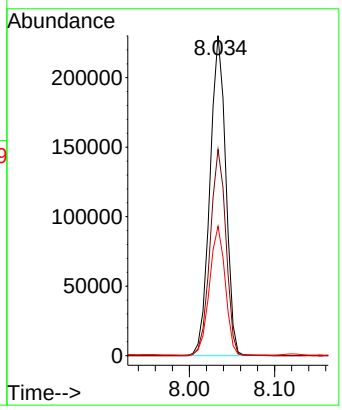


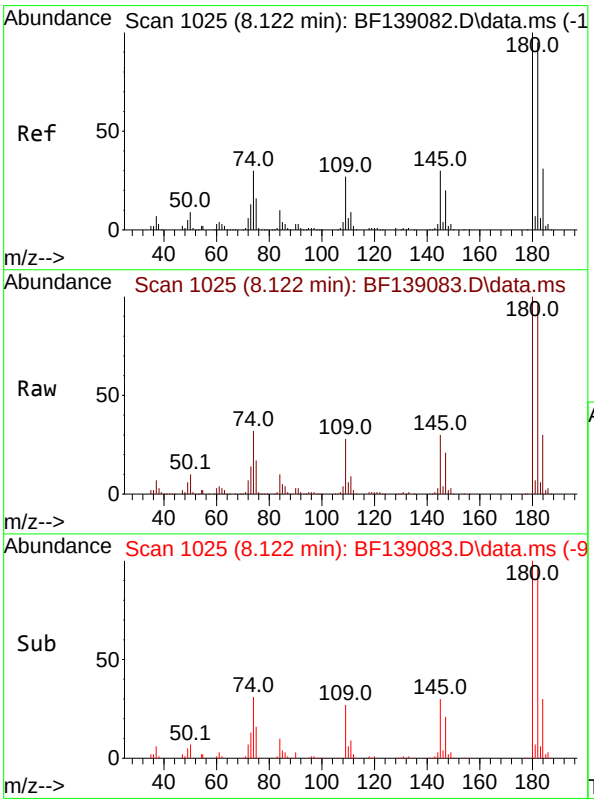
#29
2,4-Dichlorophenol
Concen: 48.209 ng
RT: 8.034 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 297490

Ion	Ratio	Lower	Upper
162	100		
164	64.4	43.9	83.9
98	40.4	19.7	59.7

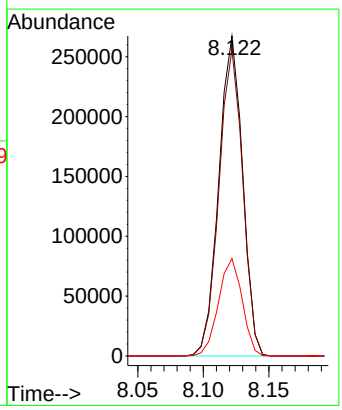


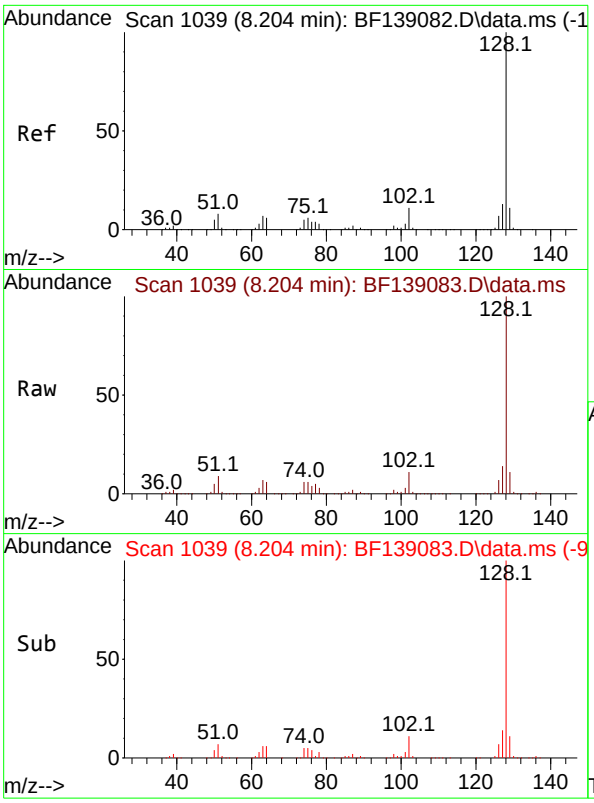


#30
1,2,4-Trichlorobenzene
Concen: 46.584 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:180 Resp: 336604

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.1	114.1
145	30.4	23.9	35.9



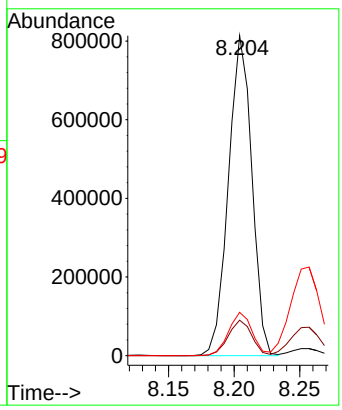


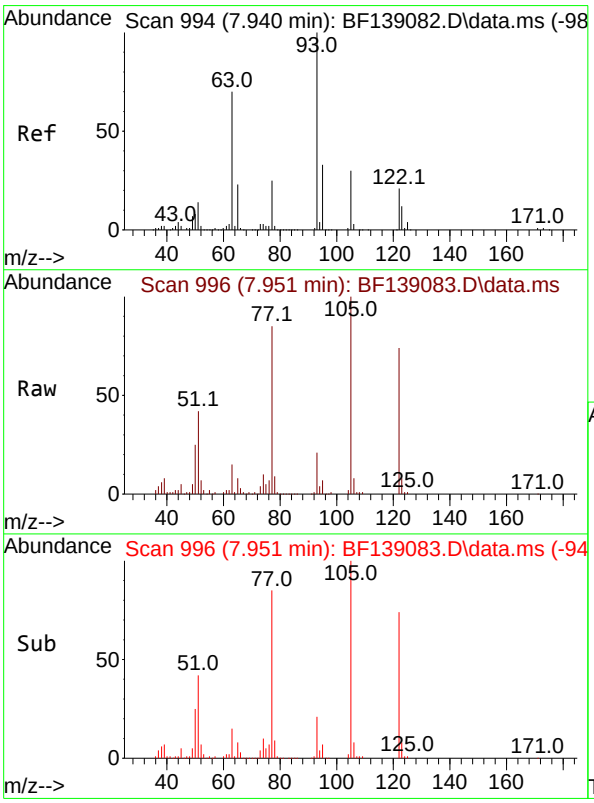
#31
Naphthalene
Concen: 46.625 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 1011804

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.5	10.7	16.1

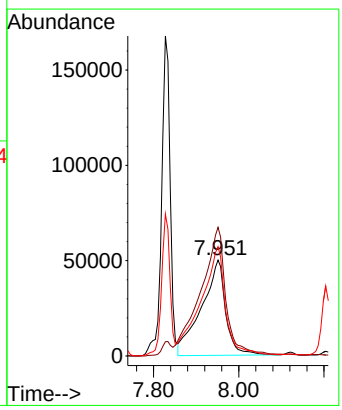


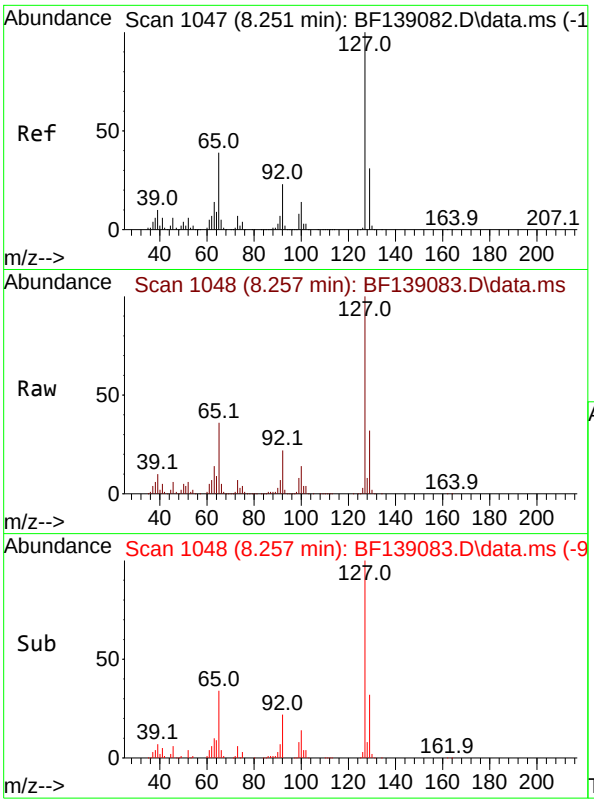


#32
Benzoic acid
Concen: 47.307 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.011 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:122 Resp: 196362

Ion	Ratio	Lower	Upper
122	100		
105	134.3	119.6	159.6
77	114.1	97.6	137.6



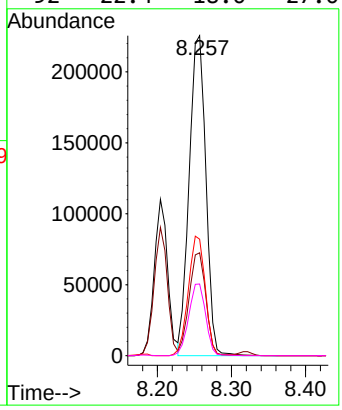


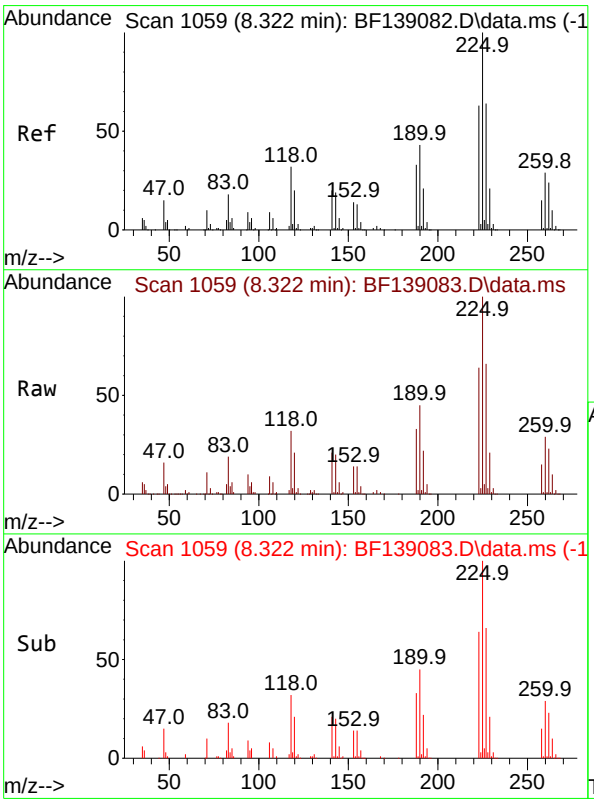
#33
4-Chloroaniline
Concen: 47.522 ng
RT: 8.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 353187

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.0	39.0
65	36.4	30.3	45.5
92	22.4	18.0	27.0

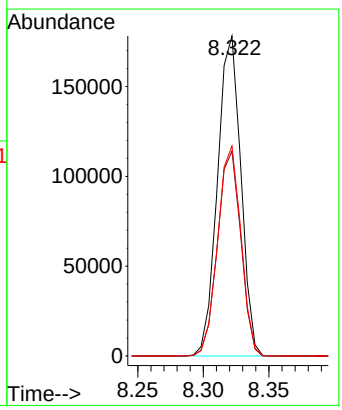


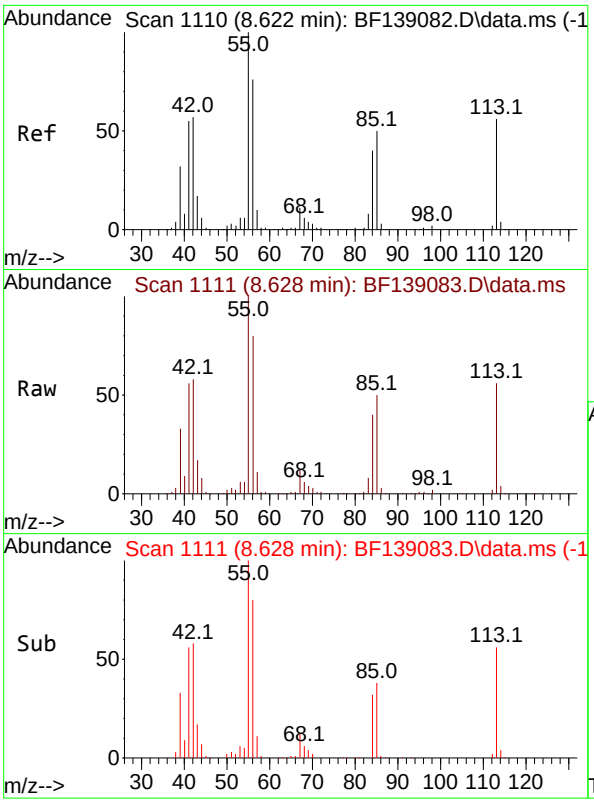


#34
Hexachlorobutadiene
Concen: 46.706 ng
RT: 8.322 min Scan# 1059
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:225 Resp: 220457

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.0	75.0
227	65.6	51.4	77.2



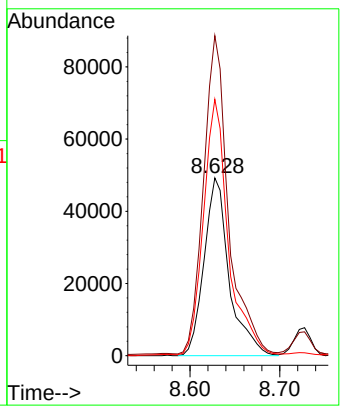


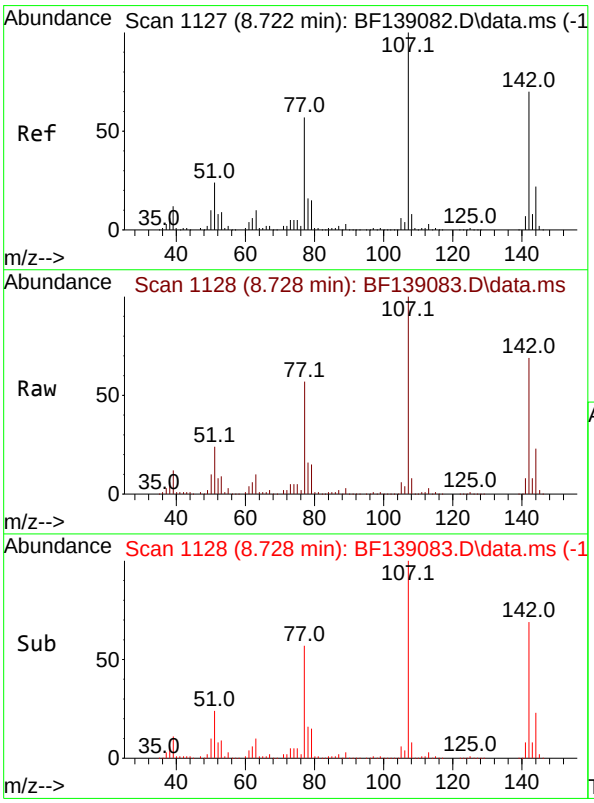
#35
Caprolactam
Concen: 48.962 ng
RT: 8.628 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 95778

Ion	Ratio	Lower	Upper
113	100		
55	180.0	158.6	198.6
56	144.1	115.9	155.9

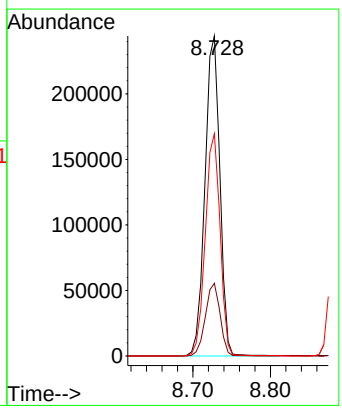


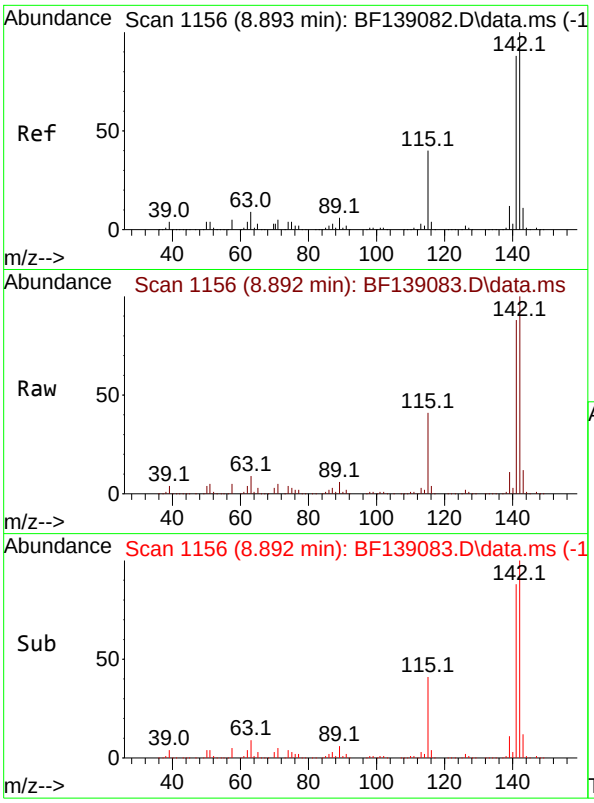


#36
4-Chloro-3-methylphenol
Concen: 47.695 ng
RT: 8.728 min Scan# 1128
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:107 Resp: 325883

Ion	Ratio	Lower	Upper
107	100		
144	22.7	17.7	26.5
142	69.5	55.6	83.4



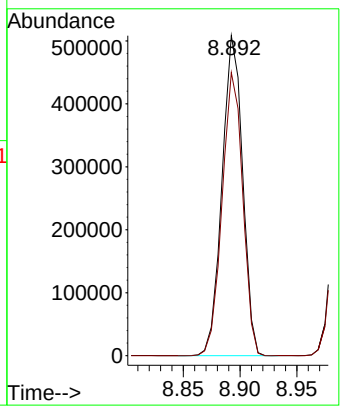


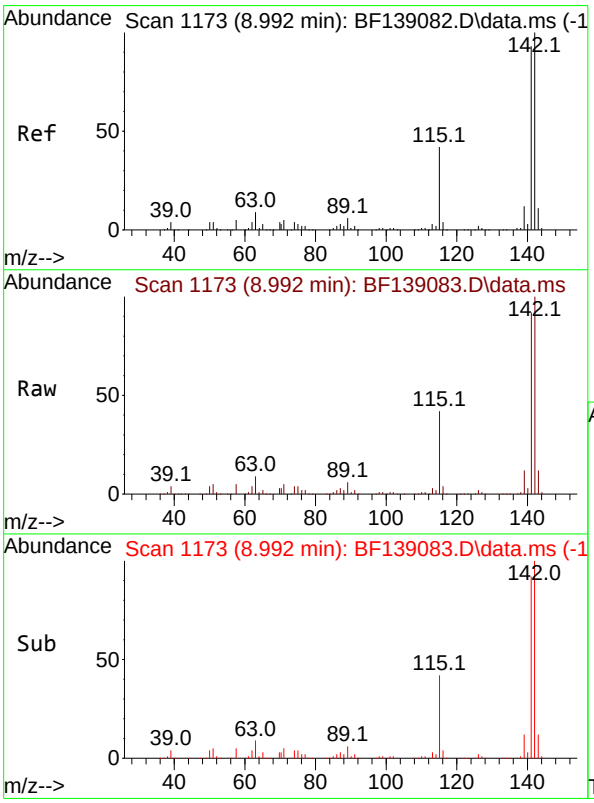
#37
2-Methylnaphthalene
Concen: 45.976 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 639945

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.6	105.8

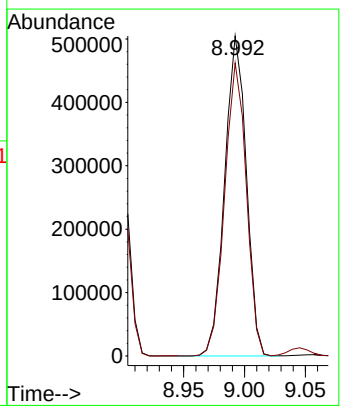


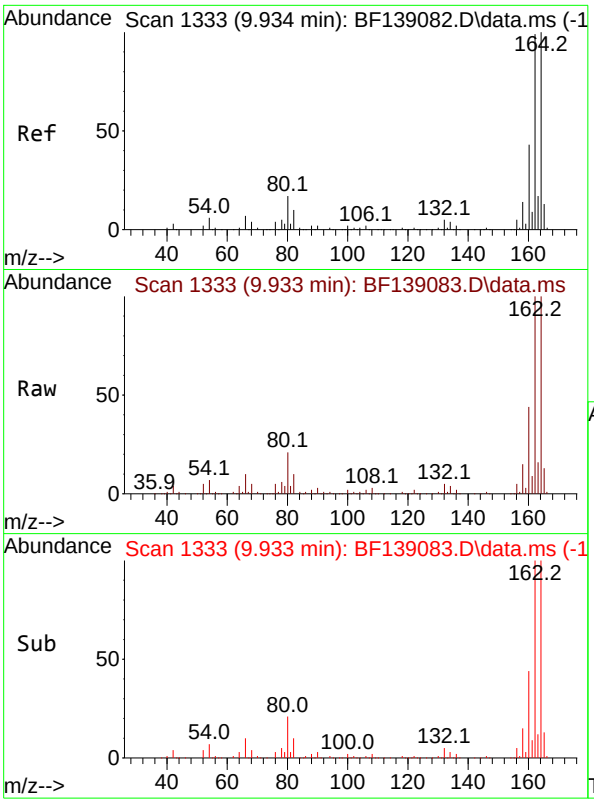


#38
1-Methylnaphthalene
Concen: 46.628 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:142 Resp: 626401

Ion	Ratio	Lower	Upper
142	100		
141	91.5	74.1	111.1



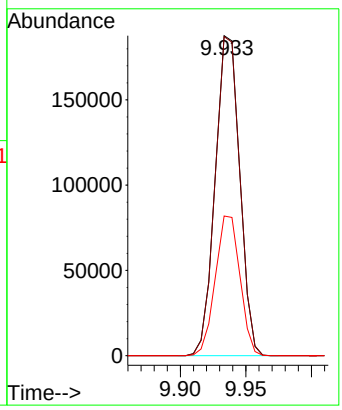


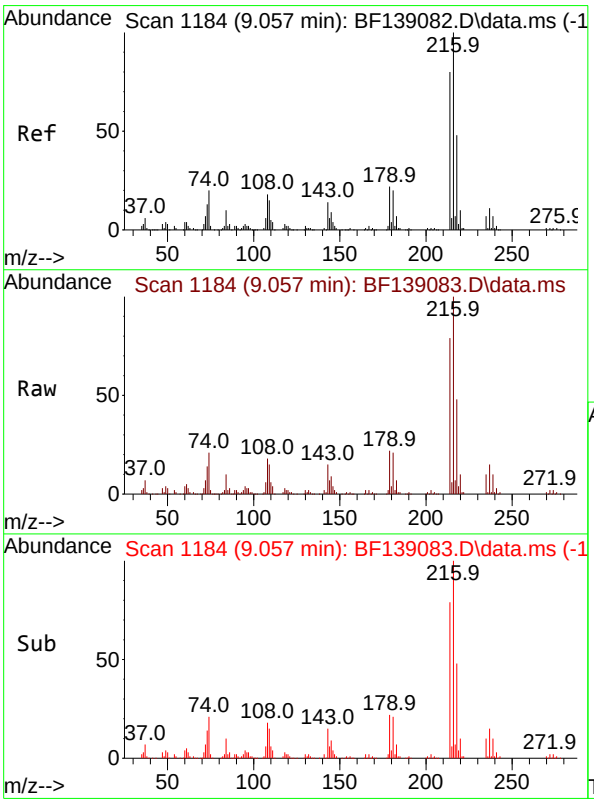
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 244726

Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.5	119.3
160	43.7	34.5	51.7

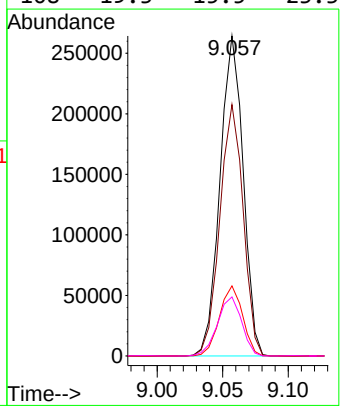


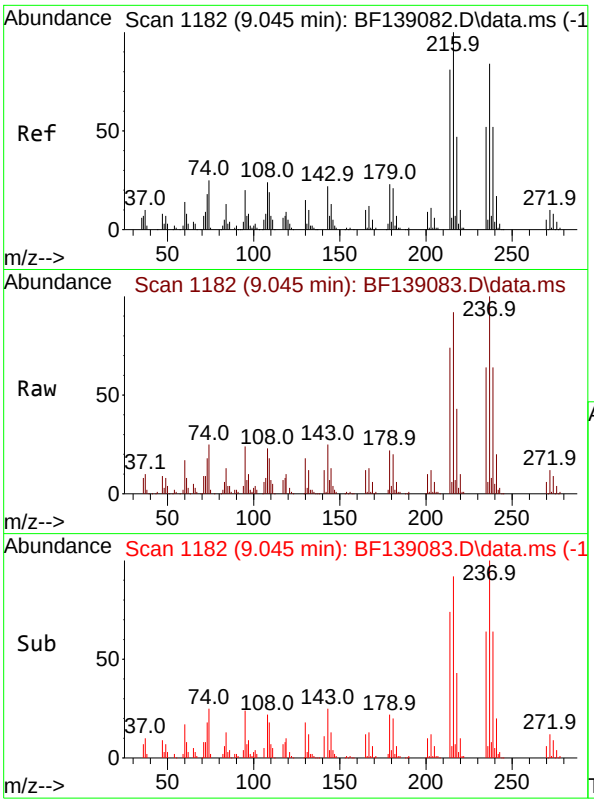


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.823 ng
RT: 9.057 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:216 Resp: 324789

Ion	Ratio	Lower	Upper
216	100		
214	78.9	64.2	96.2
179	21.9	17.4	26.2
108	19.3	15.5	23.3



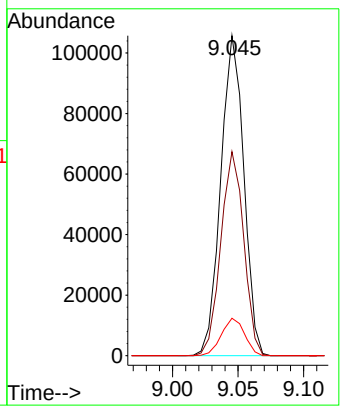


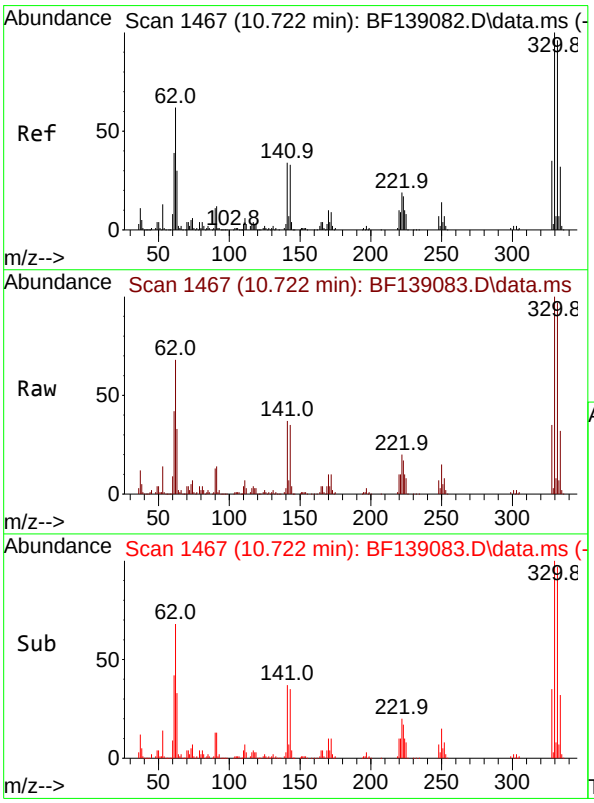
#41
Hexachlorocyclopentadiene
Concen: 50.150 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 129139

Ion	Ratio	Lower	Upper
237	100		
235	63.8	42.5	82.5
272	11.7	0.0	32.0

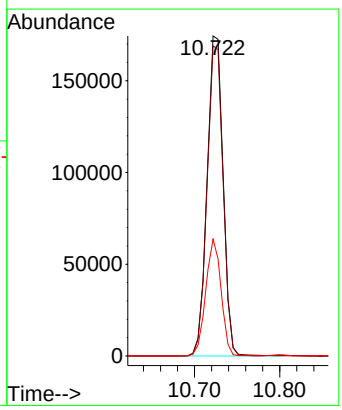


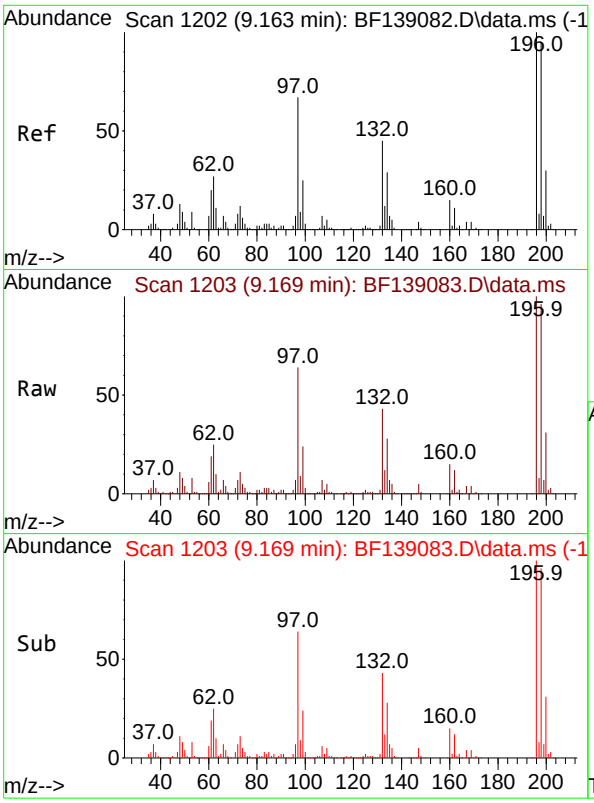


#42
2,4,6-Tribromophenol
Concen: 103.104 ng
RT: 10.722 min Scan# 1467
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:330 Resp: 228423

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	34.9	27.5	41.3



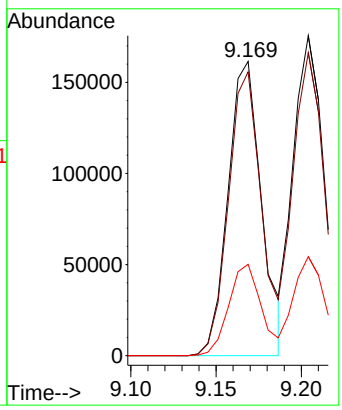


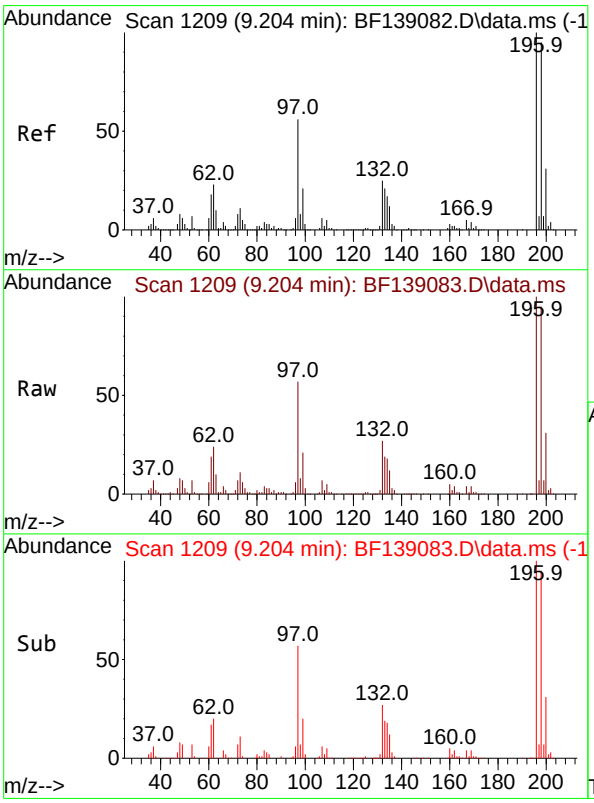
#43
2,4,6-Trichlorophenol
Concen: 48.765 ng
RT: 9.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 220485

Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.4	114.6
200	31.0	23.8	35.8

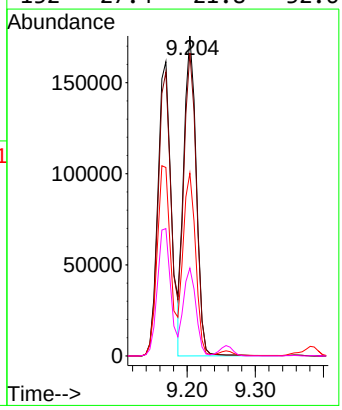


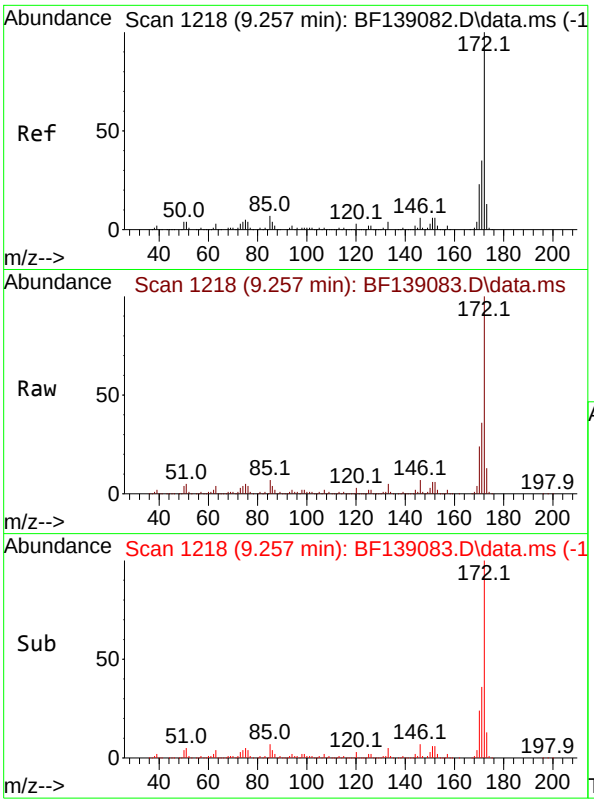


#44
2,4,5-Trichlorophenol
Concen: 47.888 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:196 Resp: 222250

Ion	Ratio	Lower	Upper
196	100		
198	94.7	76.6	114.8
97	57.1	44.6	67.0
132	27.4	21.8	32.6



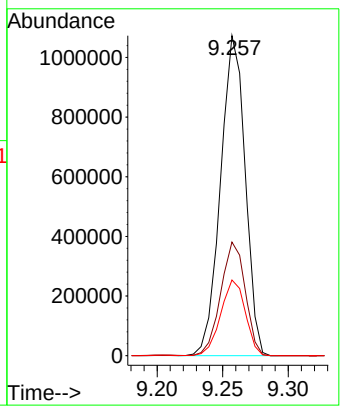


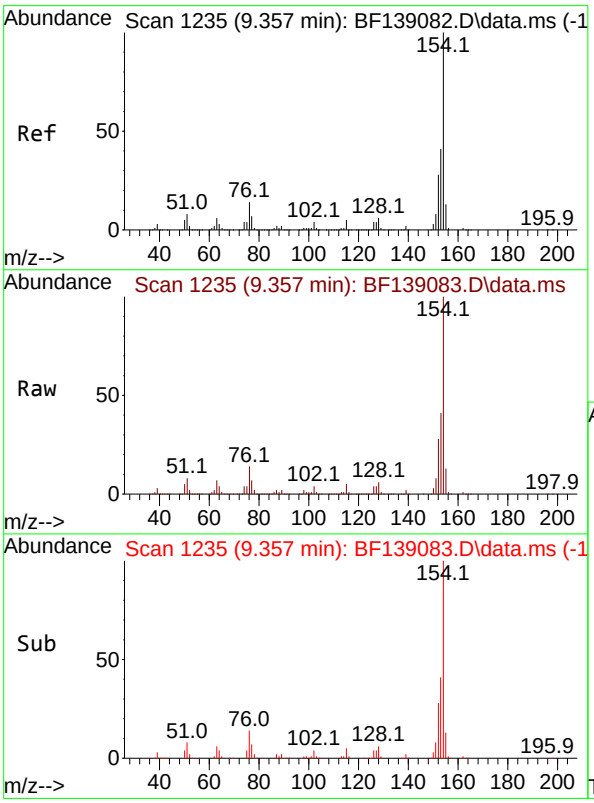
#45
2-Fluorobiphenyl
Concen: 90.986 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 1403411

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.7	18.8	28.2

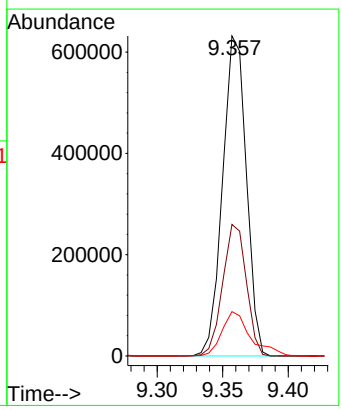


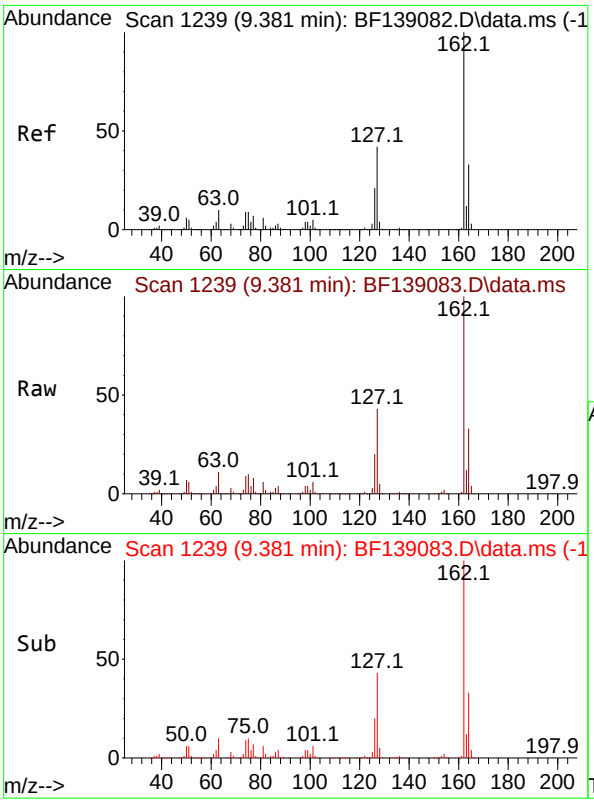


#46
1,1'-Biphenyl
Concen: 47.482 ng
RT: 9.357 min Scan# 1235
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:154 Resp: 796005

Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.6	60.6
76	13.9	0.0	33.6



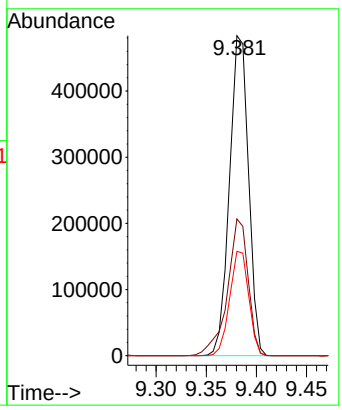


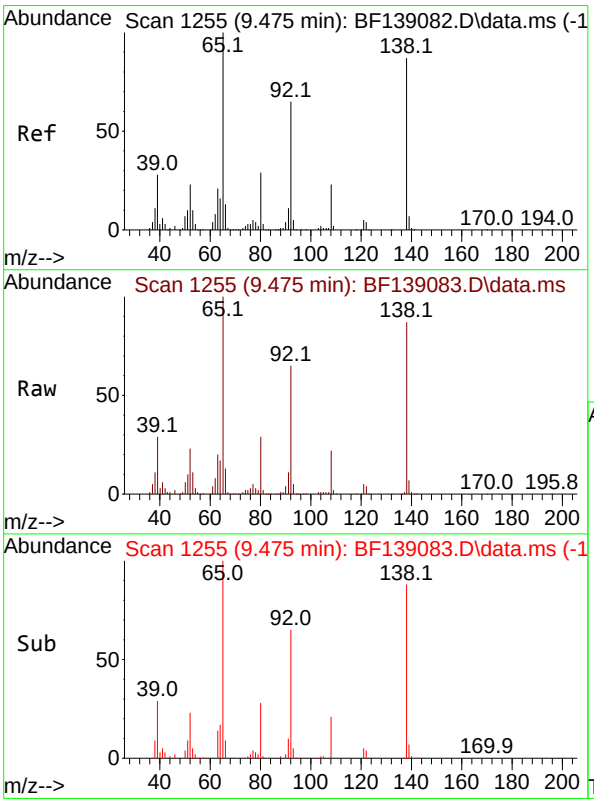
#47
2-Chloronaphthalene
Concen: 47.016 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 640430

Ion	Ratio	Lower	Upper
162	100		
127	42.7	33.8	50.6
164	32.6	26.3	39.5

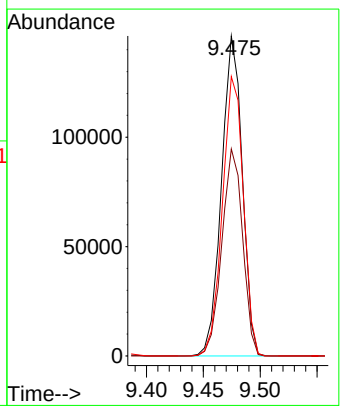


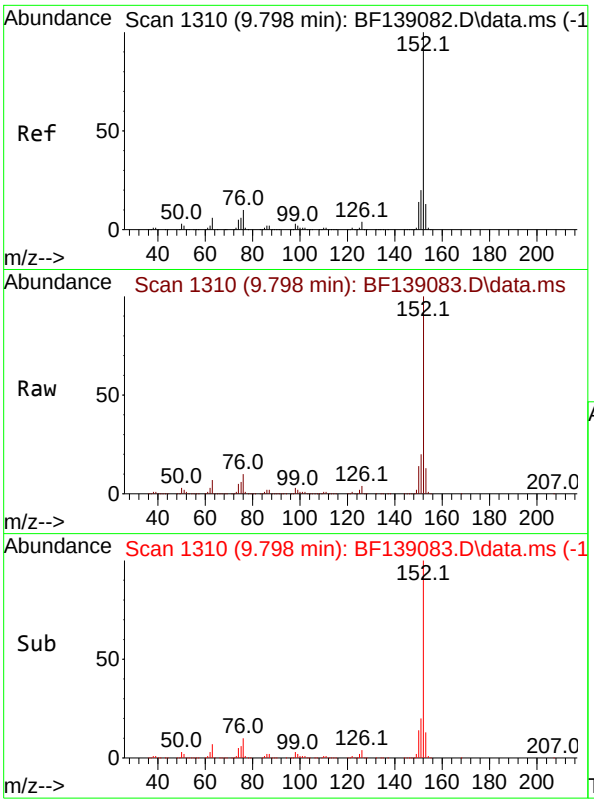


#48
2-Nitroaniline
Concen: 47.625 ng
RT: 9.475 min Scan# 1255
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion: 65 Resp: 185732

Ion	Ratio	Lower	Upper
65	100		
92	64.7	52.4	78.6
138	87.3	69.4	104.0



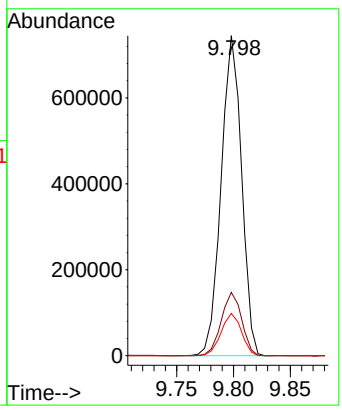


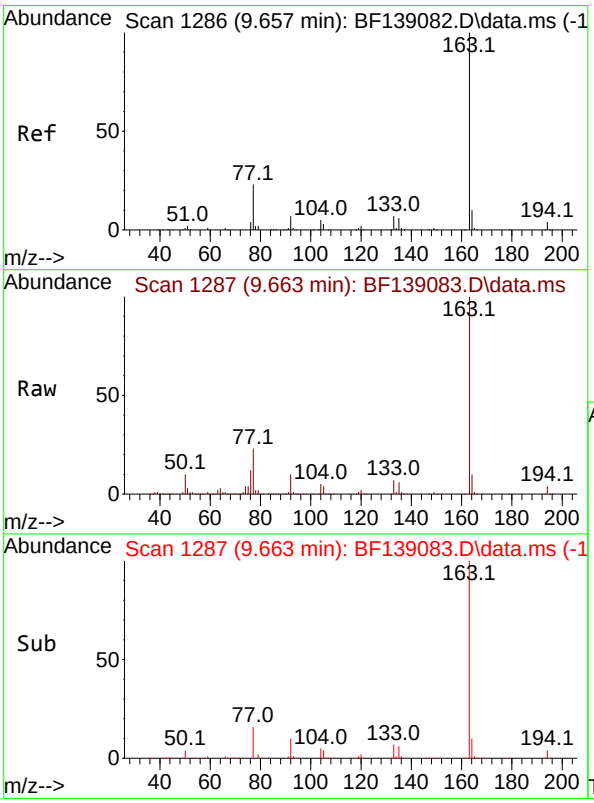
#49
Acenaphthylene
Concen: 47.756 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 931863

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	13.2	10.6	15.8

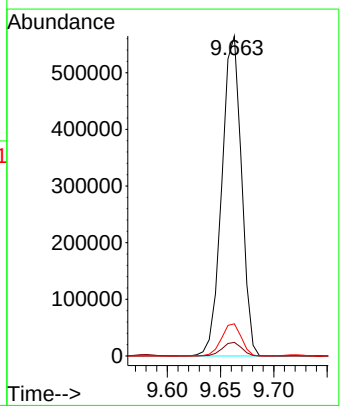


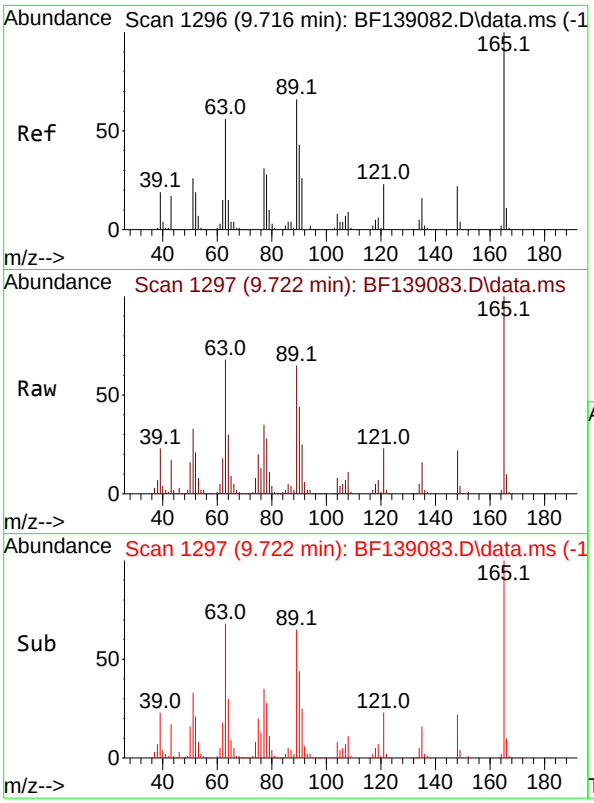


#50
Dimethylphthalate
Concen: 47.837 ng
RT: 9.663 min Scan# 1287
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:163 Resp: 722749

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.0	8.2	12.2



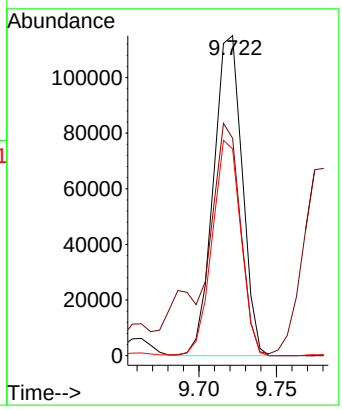


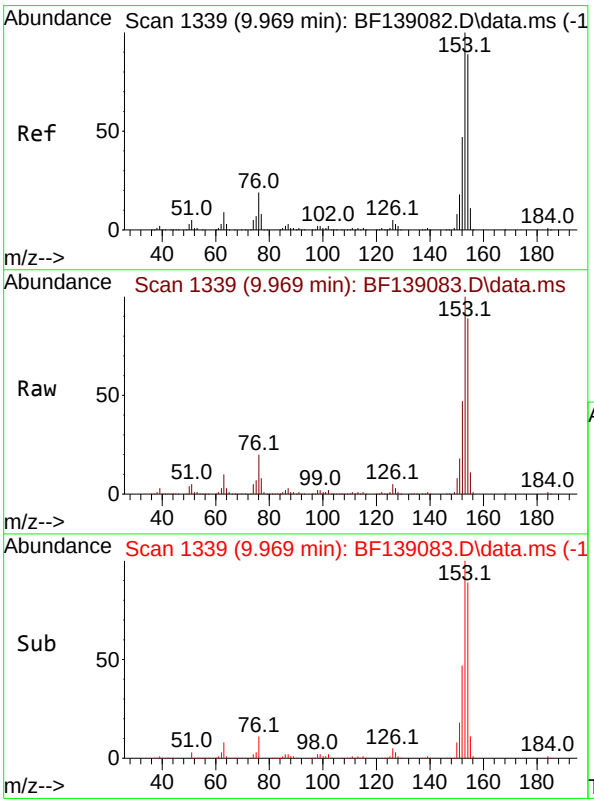
#51
2,6-Dinitrotoluene
Concen: 48.876 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 148393

Ion	Ratio	Lower	Upper
165	100		
63	68.0	58.0	87.0
89	64.6	53.3	79.9

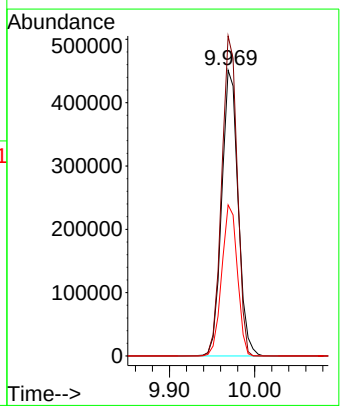


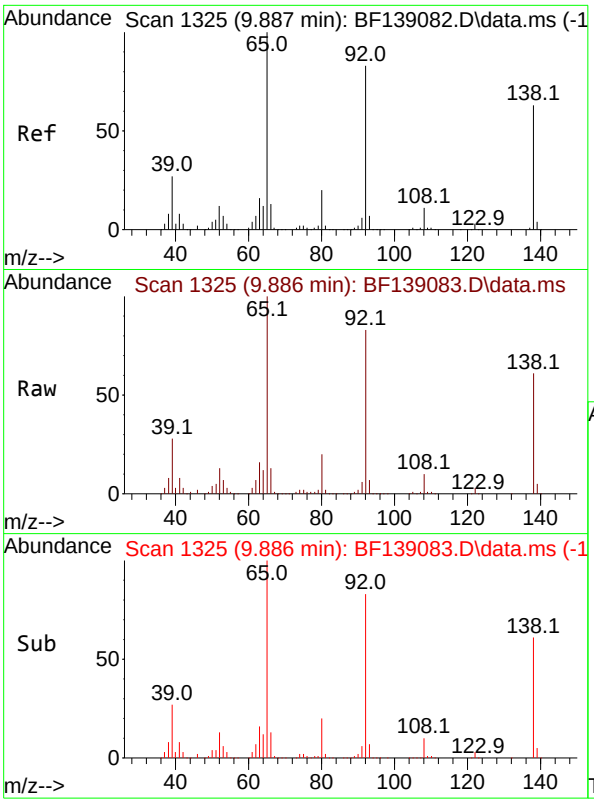


#52
Acenaphthene
Concen: 46.747 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:154 Resp: 602546

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.7	134.5
152	52.9	42.3	63.5



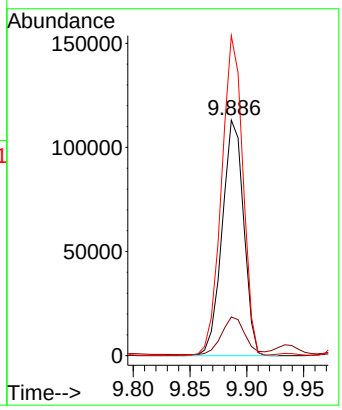


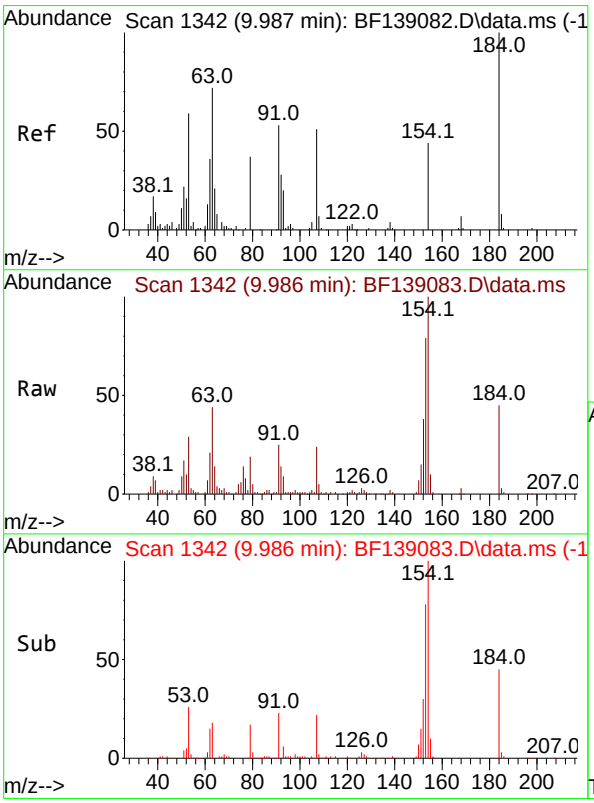
#53
3-Nitroaniline
Concen: 48.524 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 148944

Ion	Ratio	Lower	Upper
138	100		
108	16.4	14.6	21.8
92	135.9	105.9	158.9

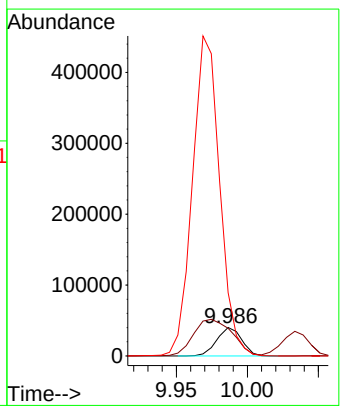


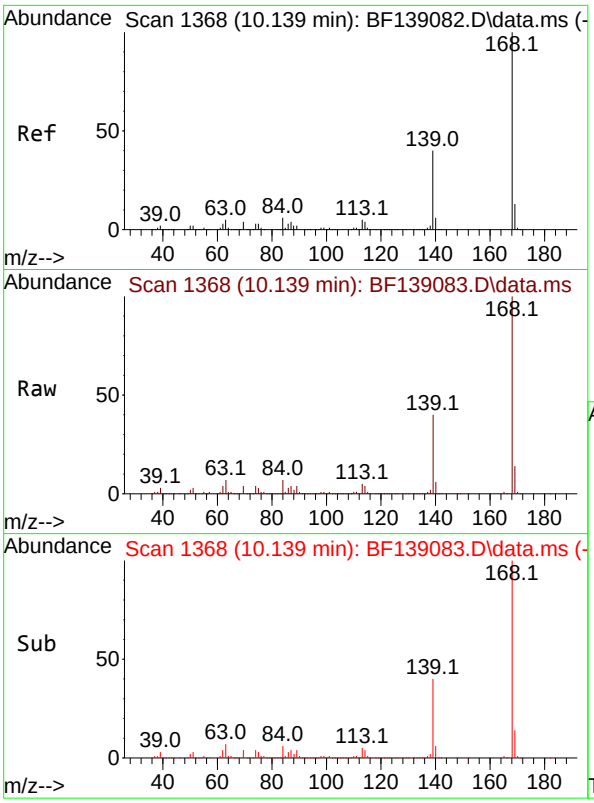


#54
2,4-Dinitrophenol
Concen: 48.733 ng
RT: 9.986 min Scan# 1342
Delta R.T. -0.001 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:184 Resp: 48952

Ion	Ratio	Lower	Upper
184	100		
63	97.2	70.5	105.7
154	221.9	135.0	202.6#



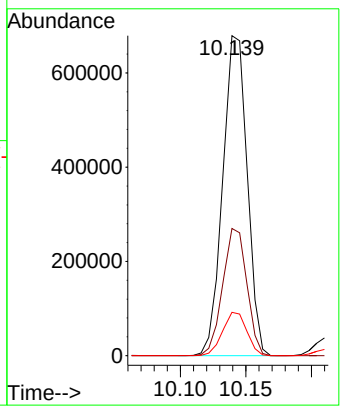


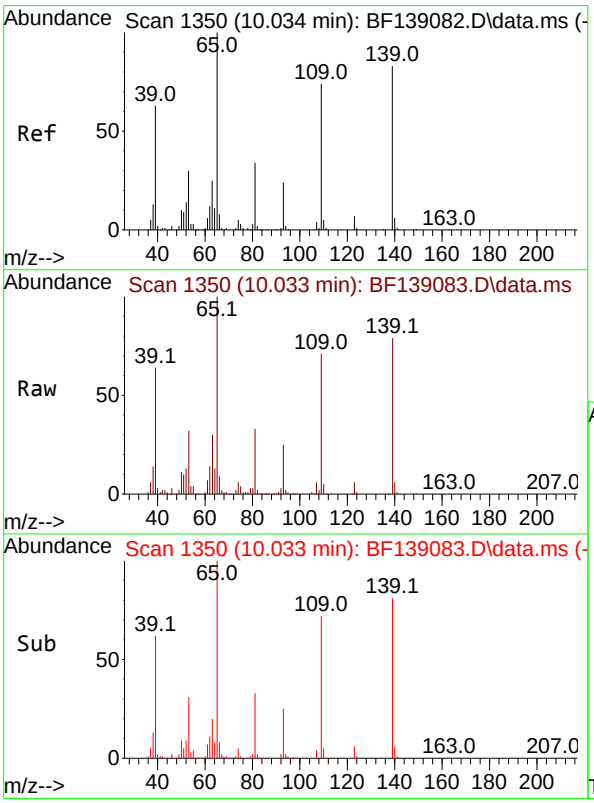
#55
Dibenzofuran
Concen: 47.102 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 881838

Ion	Ratio	Lower	Upper
168	100		
139	39.8	31.6	47.4
169	13.6	10.7	16.1

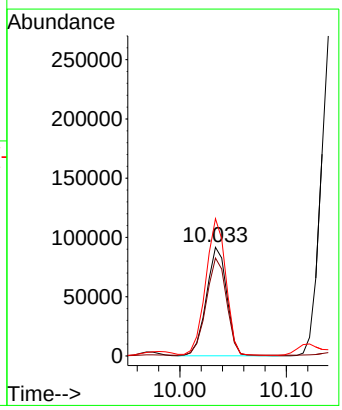


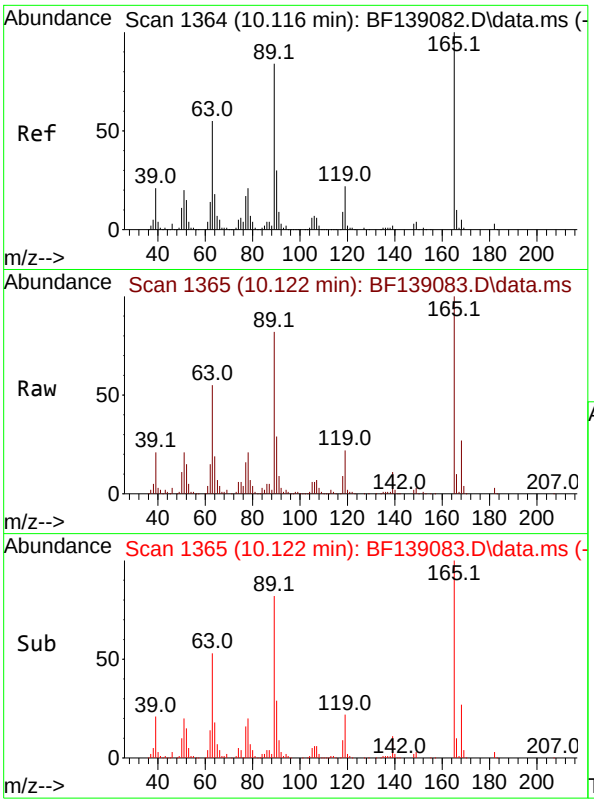


#56
4-Nitrophenol
Concen: 53.318 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.001 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:139 Resp: 121765

Ion	Ratio	Lower	Upper
139	100		
109	90.1	68.8	108.8
65	126.3	101.3	141.3



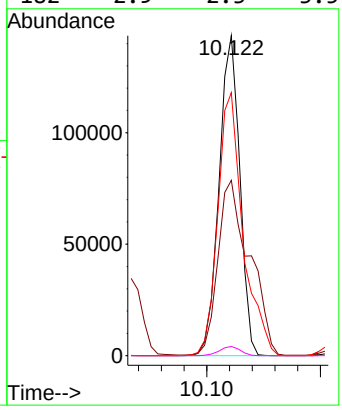


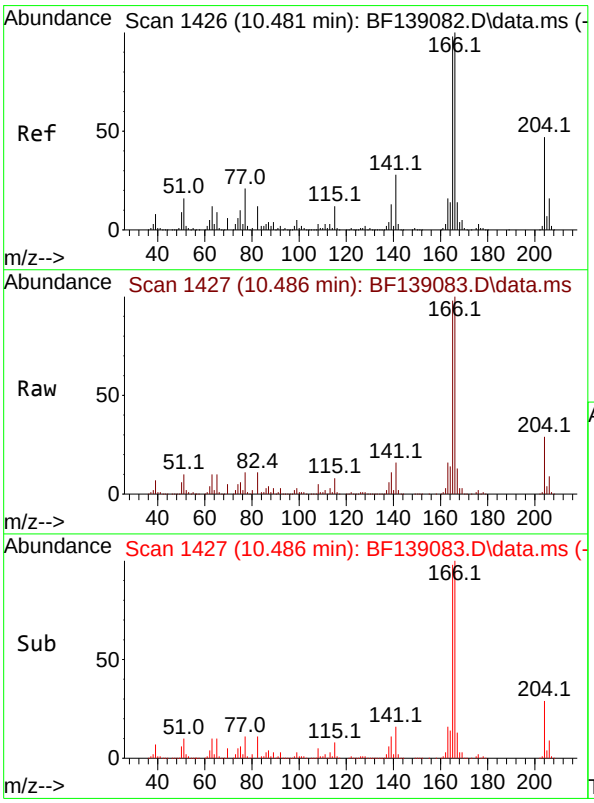
#57
2,4-Dinitrotoluene
Concen: 47.840 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 181675

Ion	Ratio	Lower	Upper
165	100		
63	54.8	44.2	66.4
89	82.2	67.4	101.2
182	2.9	2.3	3.5

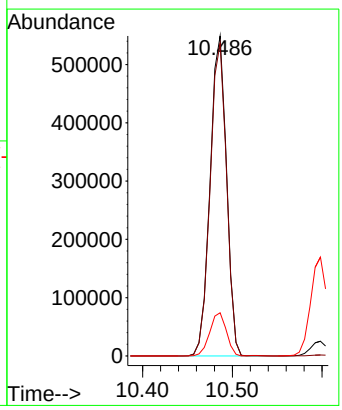


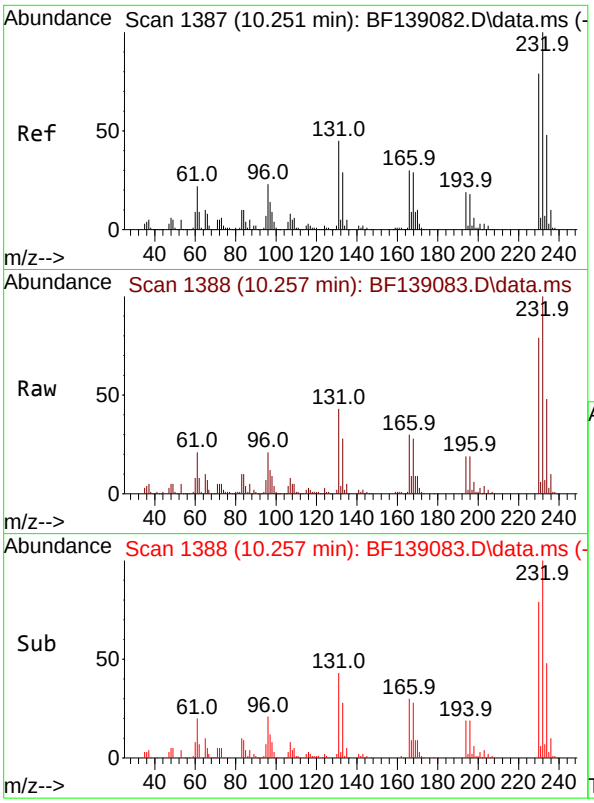


#58
Fluorene
Concen: 46.700 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:166 Resp: 698713

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.0	117.0
167	13.5	11.0	16.4



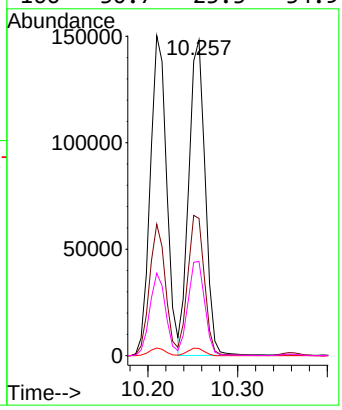


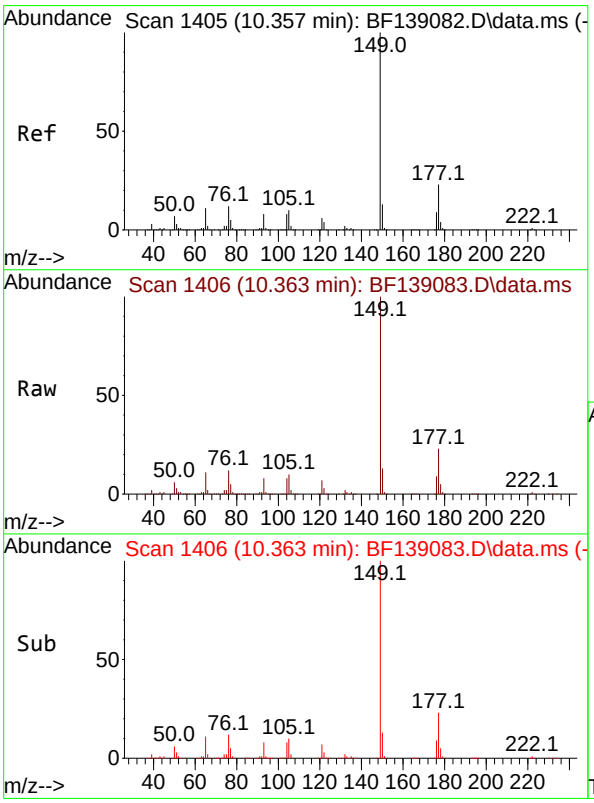
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.280 ng
RT: 10.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 187360

Ion	Ratio	Lower	Upper
232	100		
131	45.3	36.0	54.0
130	2.4	2.0	3.0
166	30.7	23.3	34.9

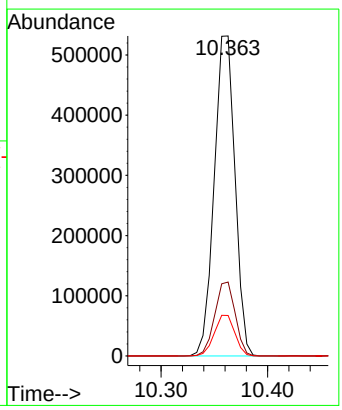


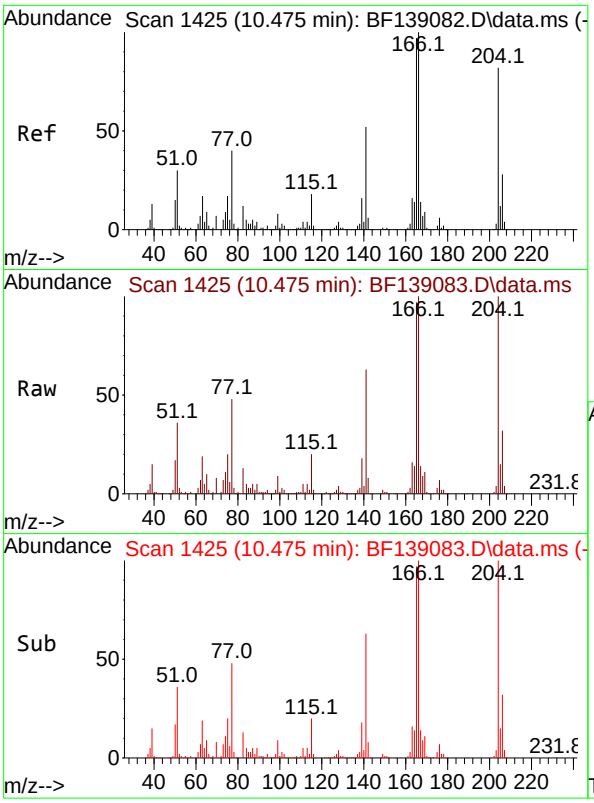


#60
Diethylphthalate
Concen: 48.014 ng
RT: 10.363 min Scan# 1406
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:149 Resp: 718768

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.4	27.6
150	12.6	10.2	15.2



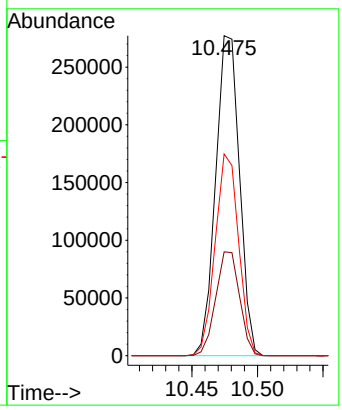


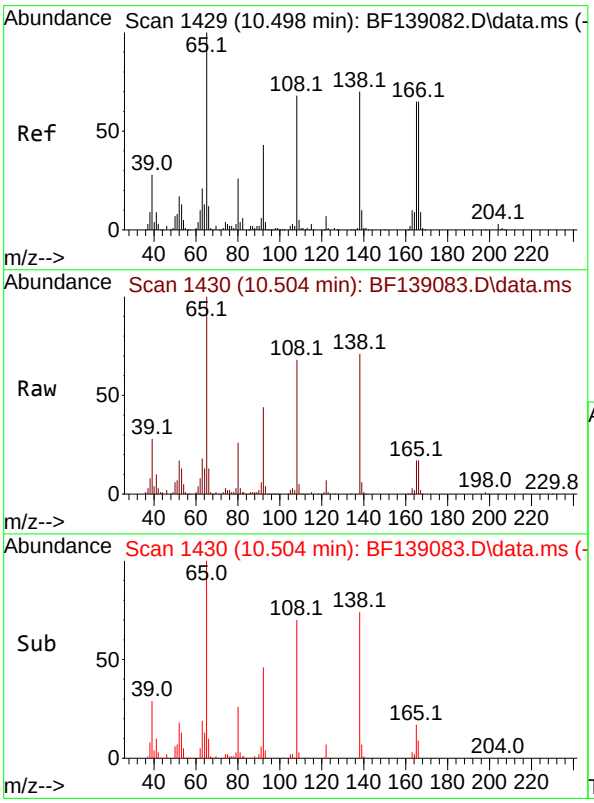
#61
4-Chlorophenyl-phenylether
Concen: 46.930 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 350687

Ion	Ratio	Lower	Upper
204	100		
206	32.4	27.0	40.4
141	63.0	50.9	76.3

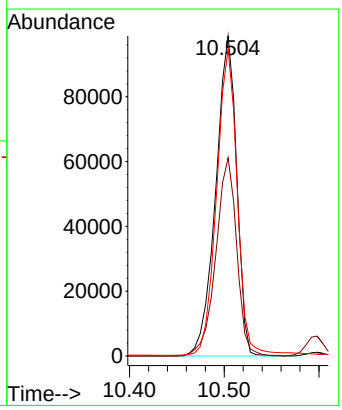


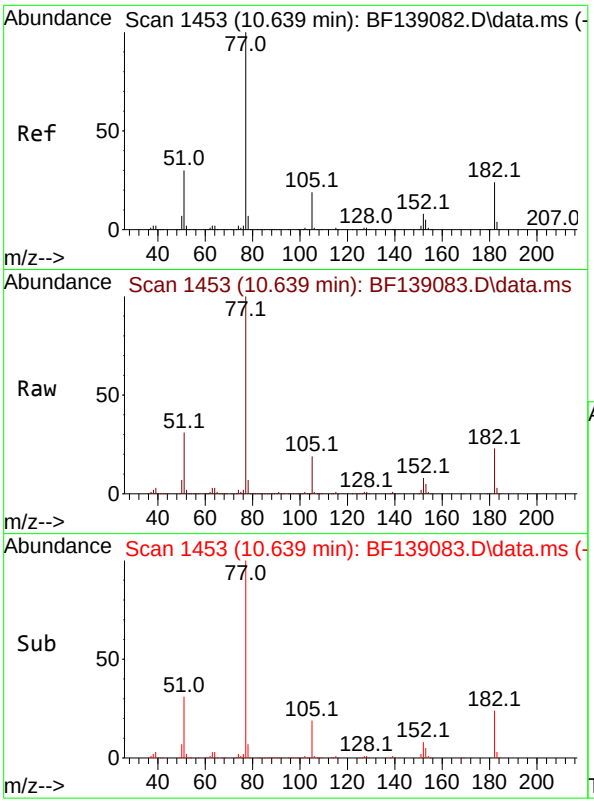


#62
4-Nitroaniline
Concen: 48.866 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:138 Resp: 151761

Ion	Ratio	Lower	Upper
138	100		
92	61.9	41.4	81.4
108	95.8	76.8	116.8



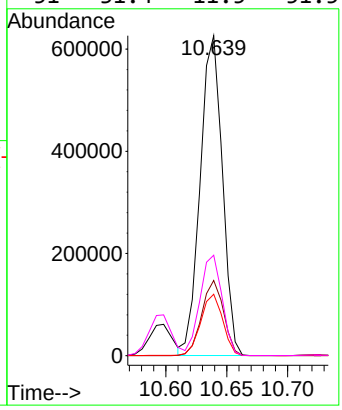


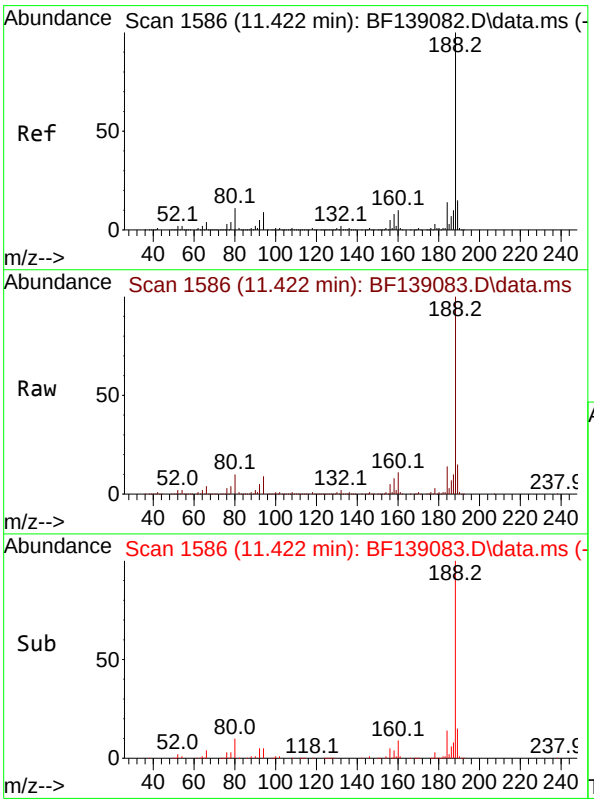
#63
Azobenzene
Concen: 47.679 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 793171

Ion	Ratio	Lower	Upper
77	100		
182	23.5	4.0	44.0
105	19.2	0.0	39.1
51	31.4	11.5	51.5

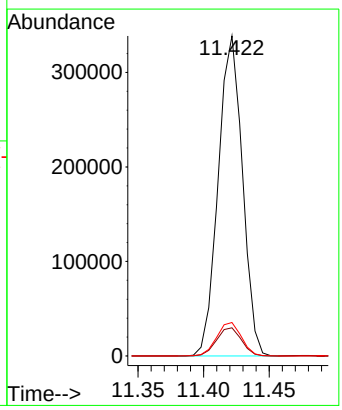


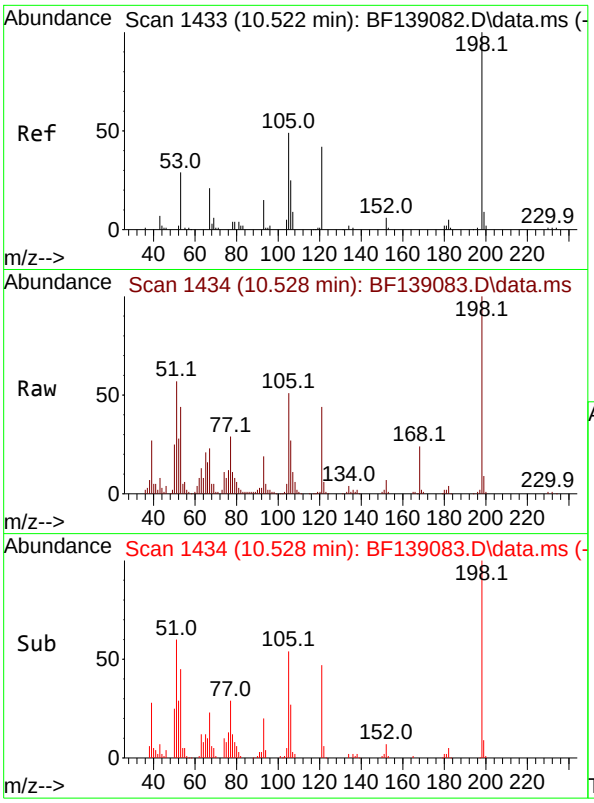


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:188 Resp: 435216

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.2	10.8
80	10.4	8.5	12.7



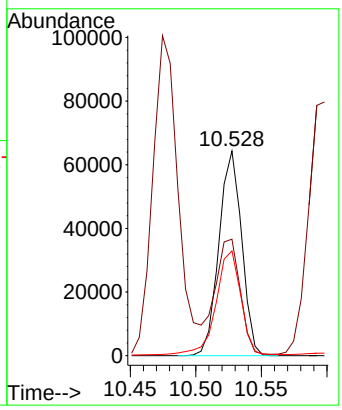


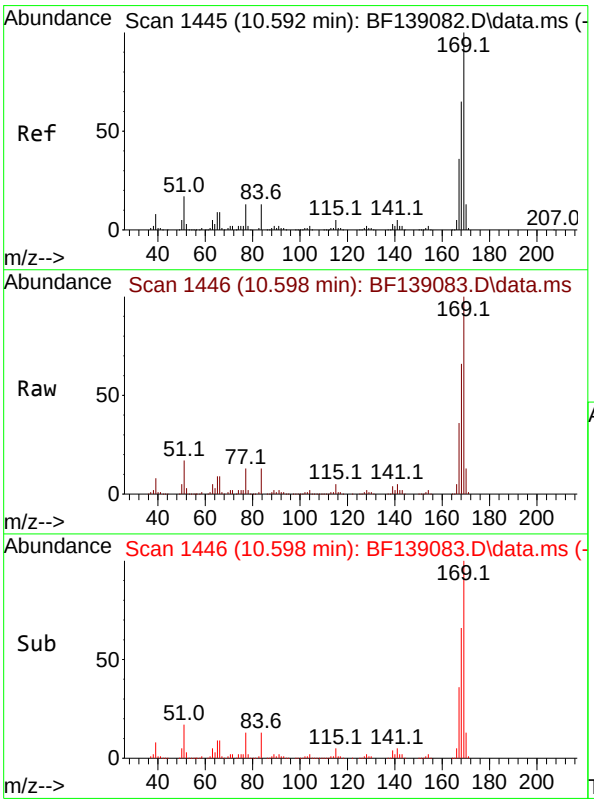
#65
4,6-Dinitro-2-methylphenol
Concen: 49.099 ng
RT: 10.528 min Scan# 14
Delta R.T. 0.005 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 77438

Ion	Ratio	Lower	Upper
198	100		
51	56.9	40.8	80.8
105	51.2	30.9	70.9

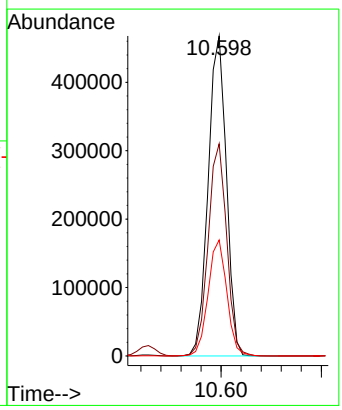


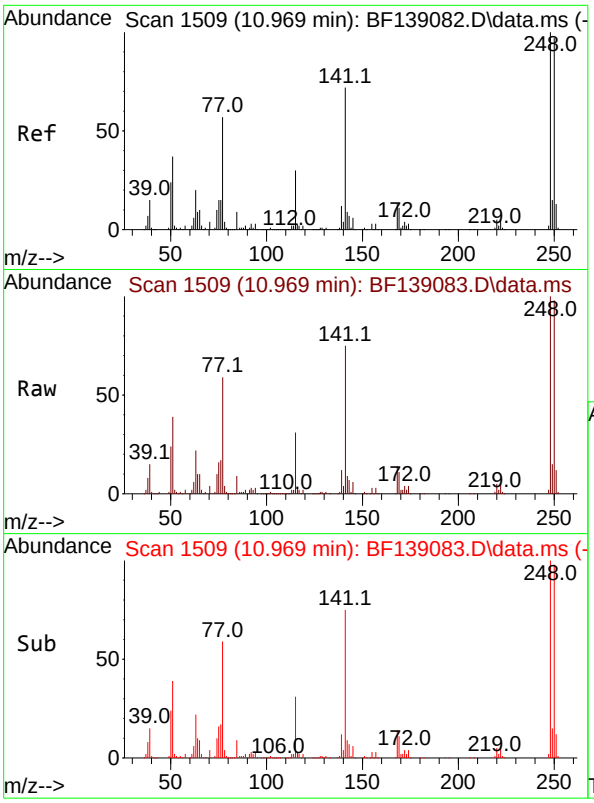


#66
n-Nitrosodiphenylamine
Concen: 45.922 ng
RT: 10.598 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:169 Resp: 591363

Ion	Ratio	Lower	Upper
169	100		
168	66.3	52.4	78.6
167	36.3	28.6	43.0



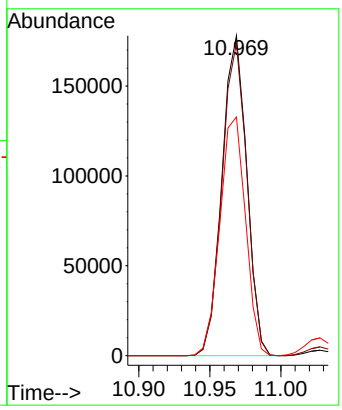


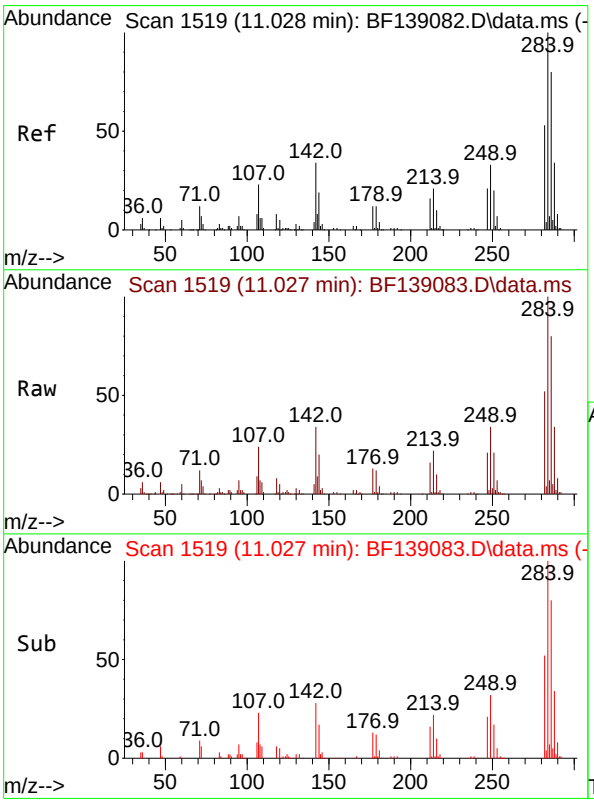
#67
4-Bromophenyl-phenylether
Concen: 47.017 ng
RT: 10.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 216829

Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.8	116.8
141	74.6	57.9	86.9

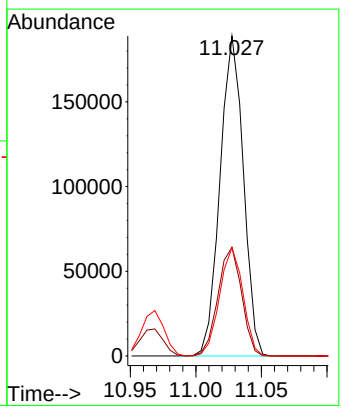


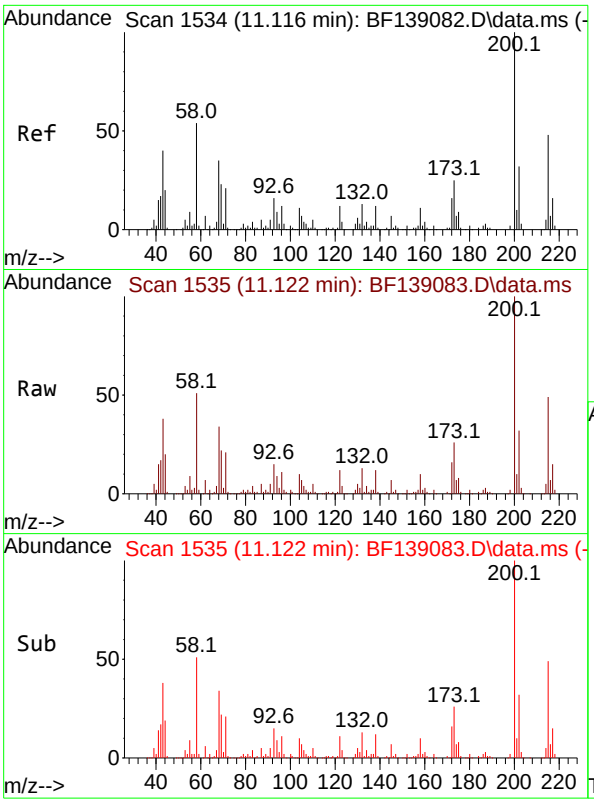


#68
Hexachlorobenzene
Concen: 47.245 ng
RT: 11.027 min Scan# 1519
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:284 Resp: 233747

Ion	Ratio	Lower	Upper
284	100		
142	33.9	27.1	40.7
249	33.8	26.8	40.2



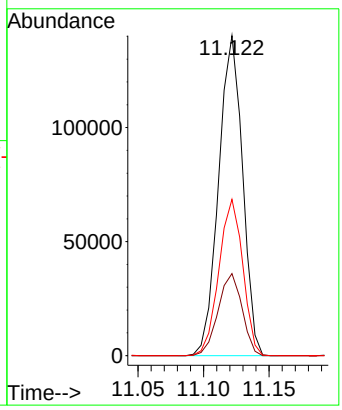


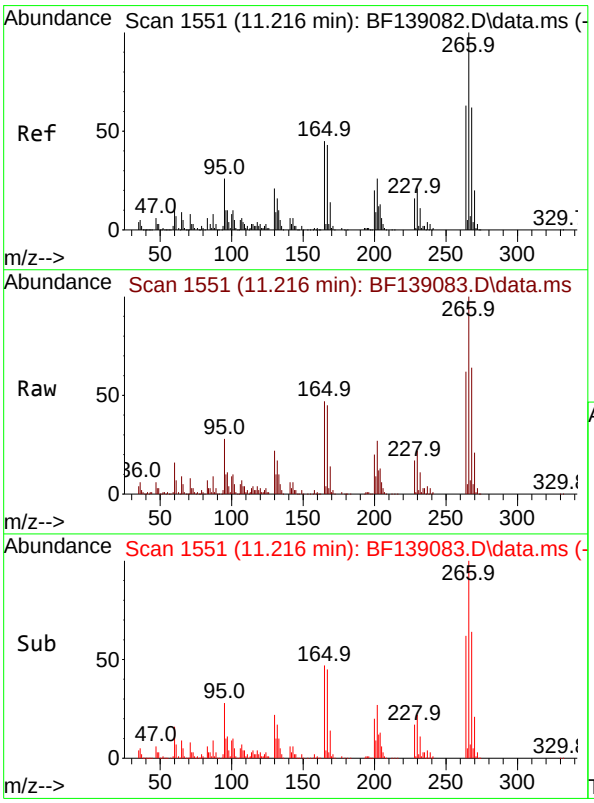
#69
Atrazine
Concen: 45.242 ng
RT: 11.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 177936

Ion	Ratio	Lower	Upper
200	100		
173	25.6	5.2	45.2
215	48.9	27.9	67.9

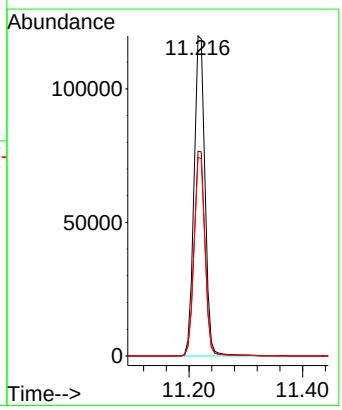


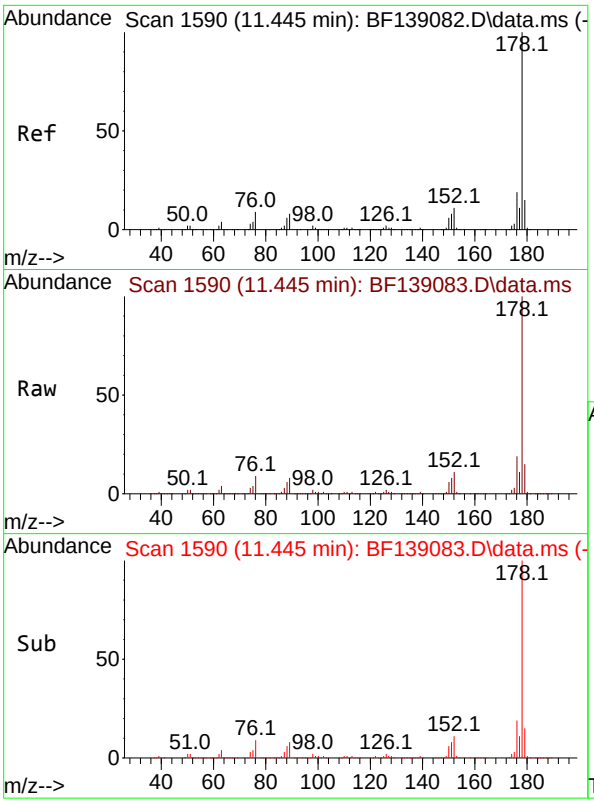


#70
Pentachlorophenol
Concen: 51.028 ng
RT: 11.216 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:266 Resp: 161268

Ion	Ratio	Lower	Upper
266	100		
268	63.9	49.5	74.3
264	62.1	50.0	75.0



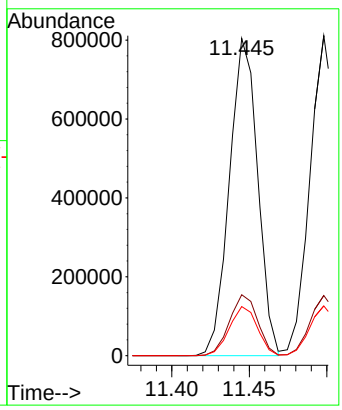


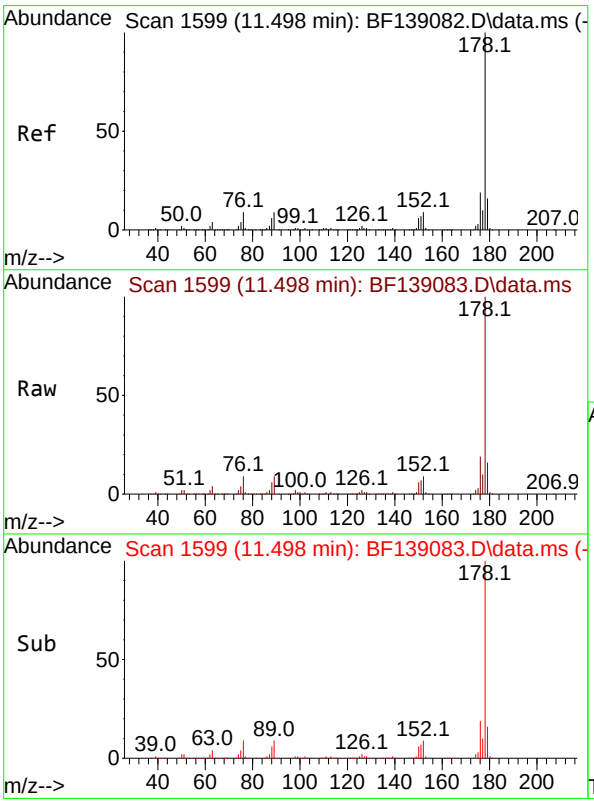
#71
Phenanthrene
Concen: 46.116 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 1020127

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.5	12.3	18.5

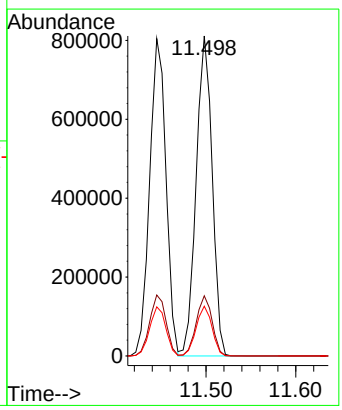


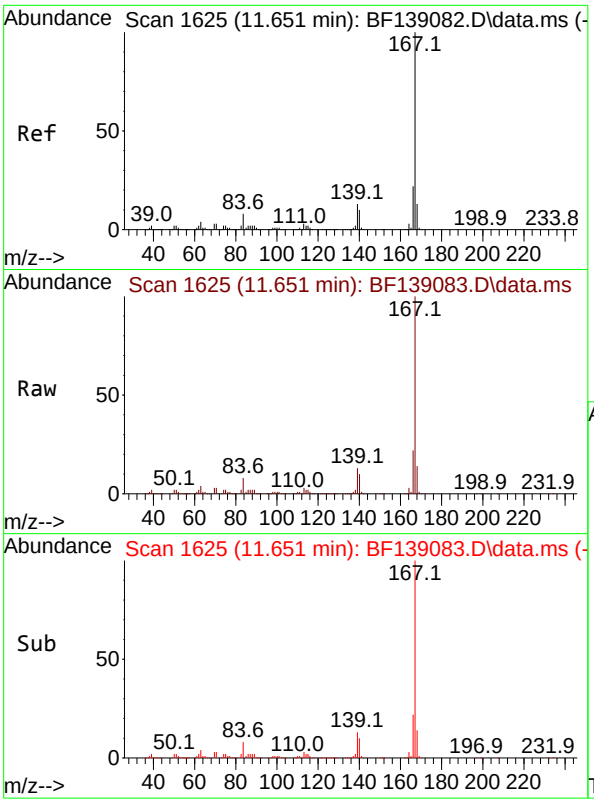


#72
Anthracene
Concen: 46.480 ng
RT: 11.498 min Scan# 1599
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:178 Resp: 1005538

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.5	12.4	18.6



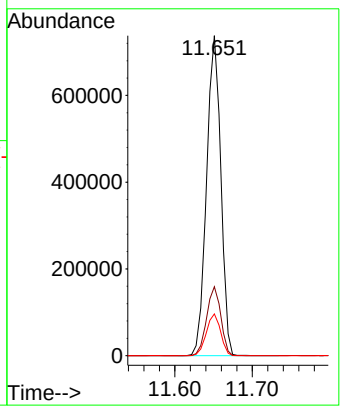


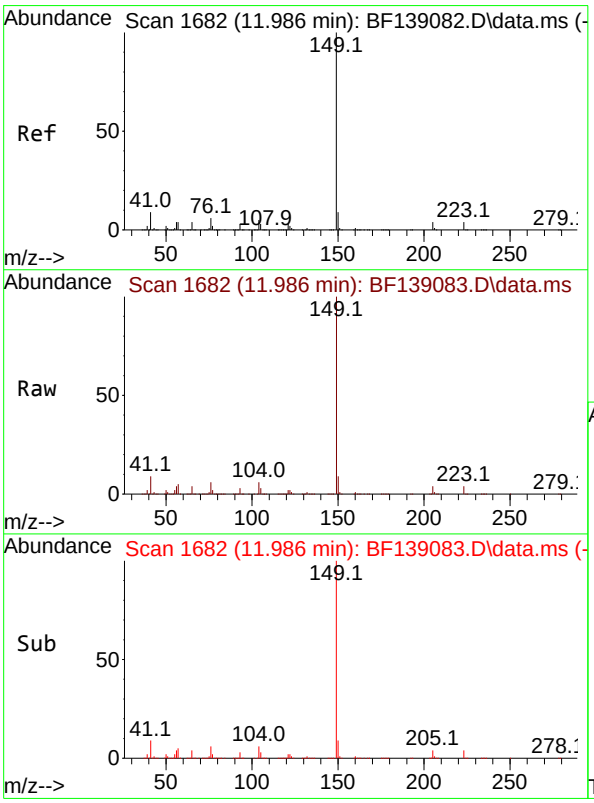
#73
Carbazole
Concen: 46.563 ng
RT: 11.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 940634

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.3	25.9
139	13.0	10.5	15.7

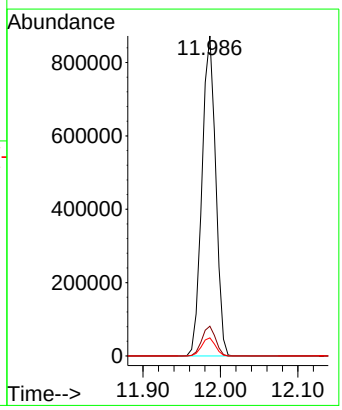


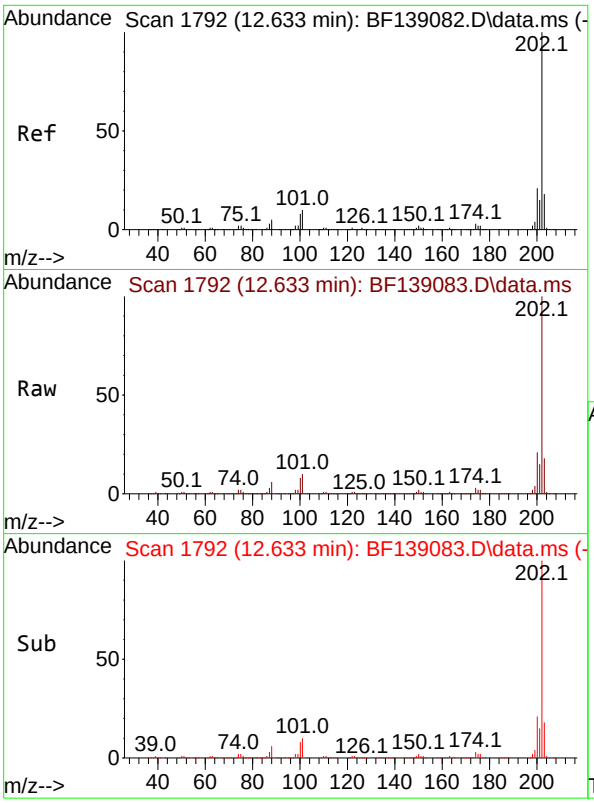


#74
Di-n-butylphthalate
Concen: 45.851 ng
RT: 11.986 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:149 Resp: 1074018

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.6	4.3	6.5



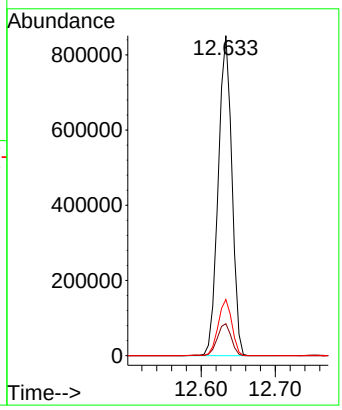


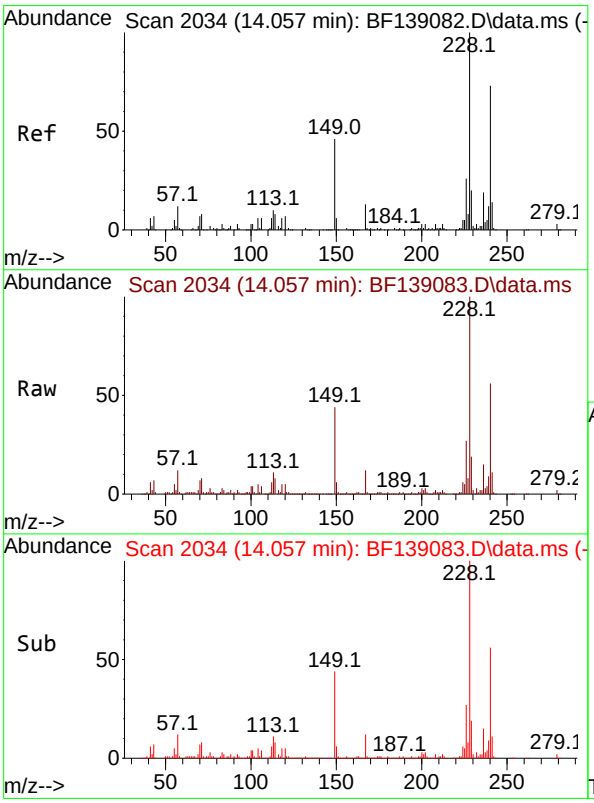
#75
Fluoranthene
Concen: 46.121 ng
RT: 12.633 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 1088934

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.2
203	17.5	0.0	37.6

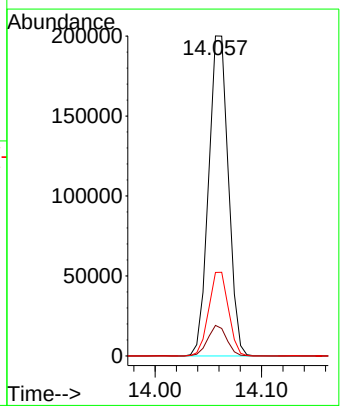


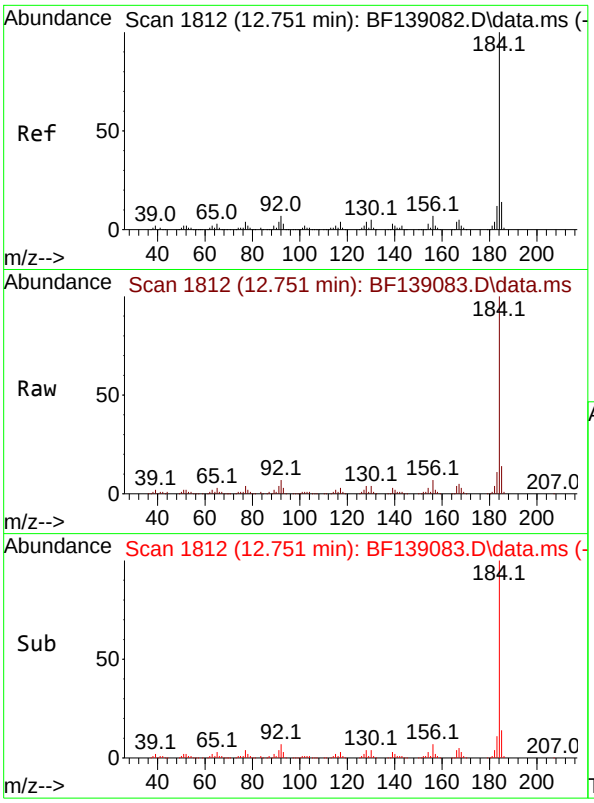


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:240 Resp: 257983

Ion	Ratio	Lower	Upper
240	100		
120	9.6	7.8	11.6
236	26.1	20.9	31.3



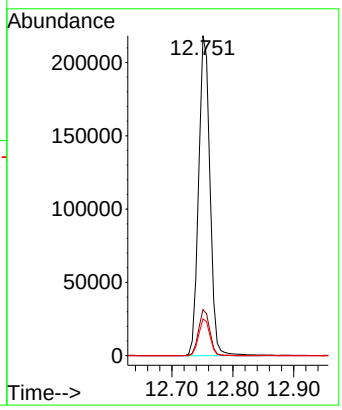


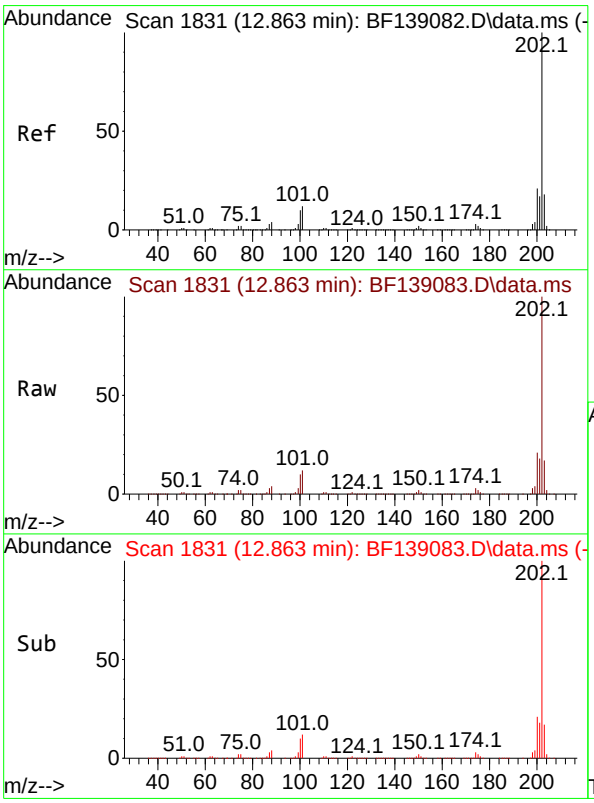
#77
Benzidine
Concen: 53.135 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 283155

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.5	9.8	14.6

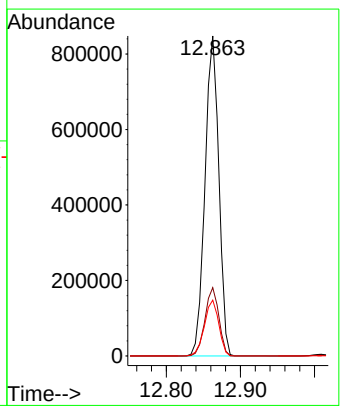


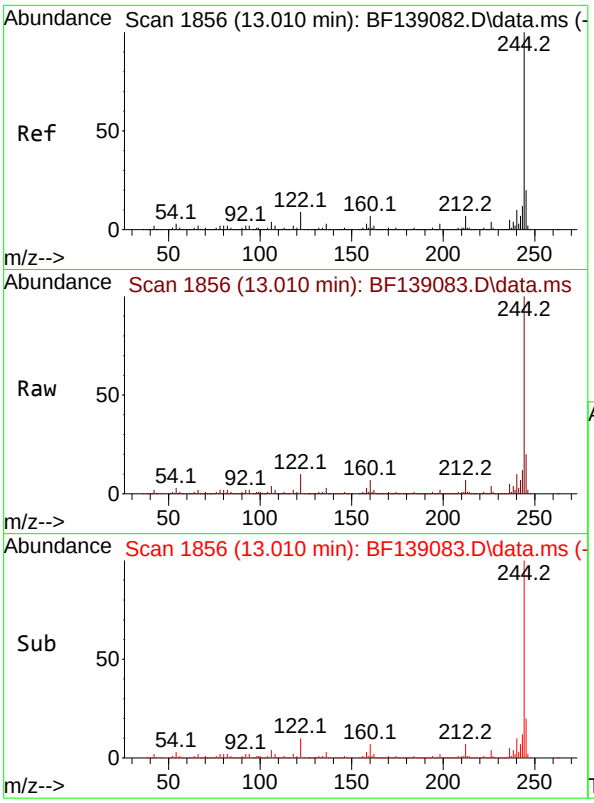


#78
Pyrene
Concen: 51.059 ng
RT: 12.863 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:202 Resp: 1099257

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.6
203	17.5	14.1	21.1



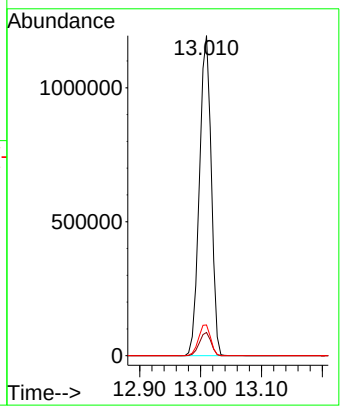


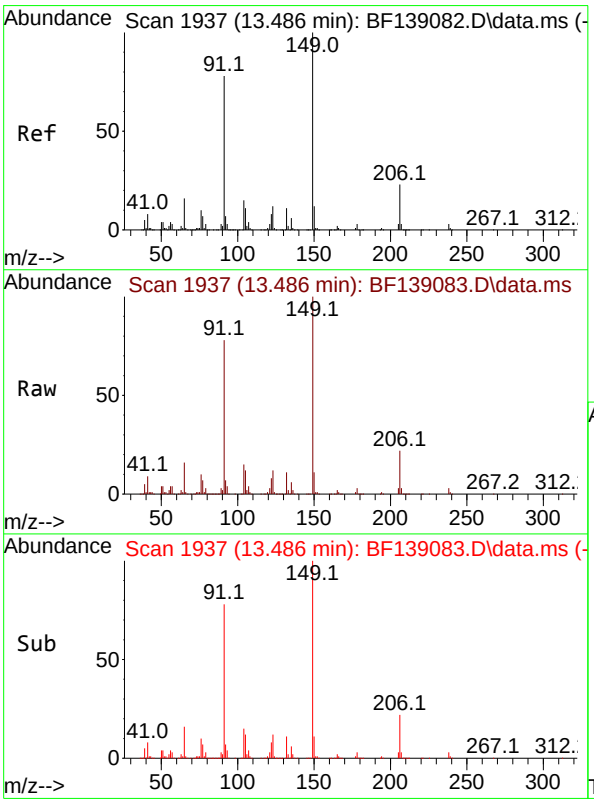
#79
Terphenyl-d14
Concen: 103.099 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 1602961

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.6	7.6	11.4

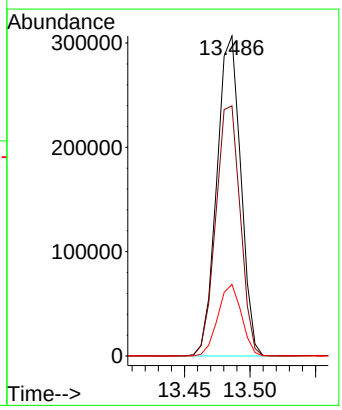


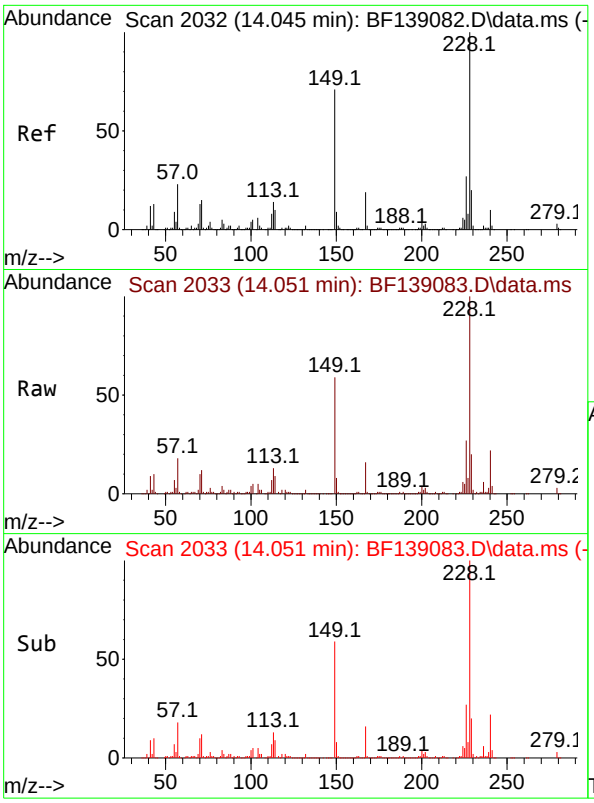


#80
Butylbenzylphthalate
Concen: 52.304 ng
RT: 13.486 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:149 Resp: 389571

Ion	Ratio	Lower	Upper
149	100		
91	78.1	62.1	93.1
206	22.3	18.0	27.0



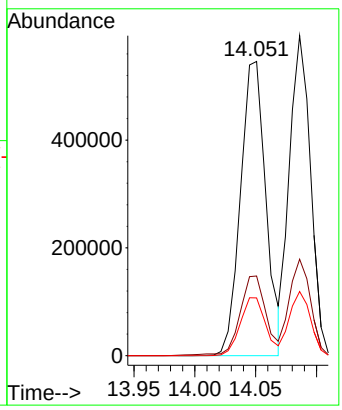


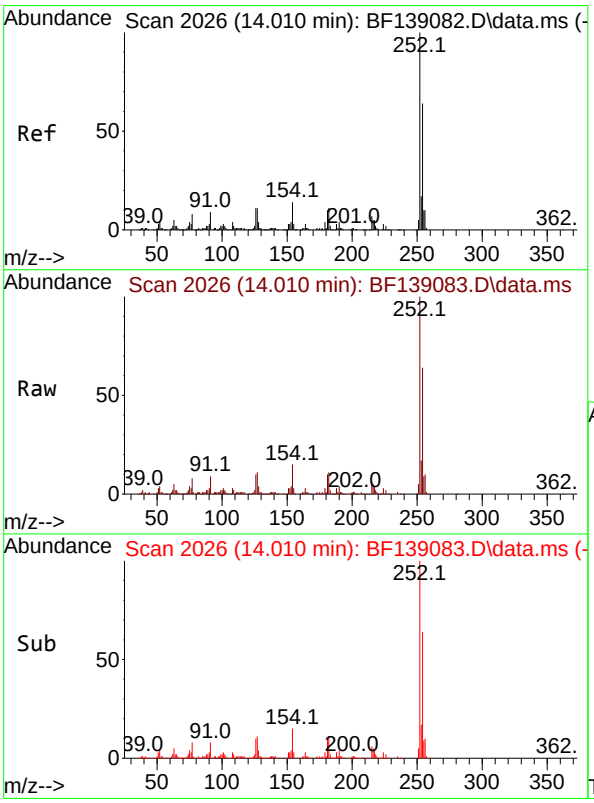
#81
Benzo(a)anthracene
Concen: 46.853 ng
RT: 14.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 794569

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.9	32.9
229	19.6	16.1	24.1

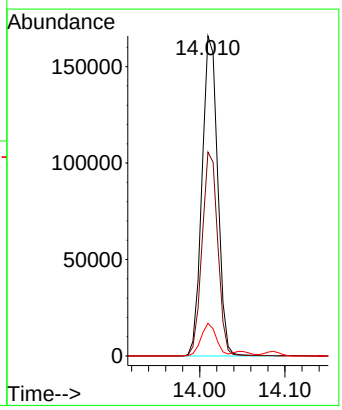


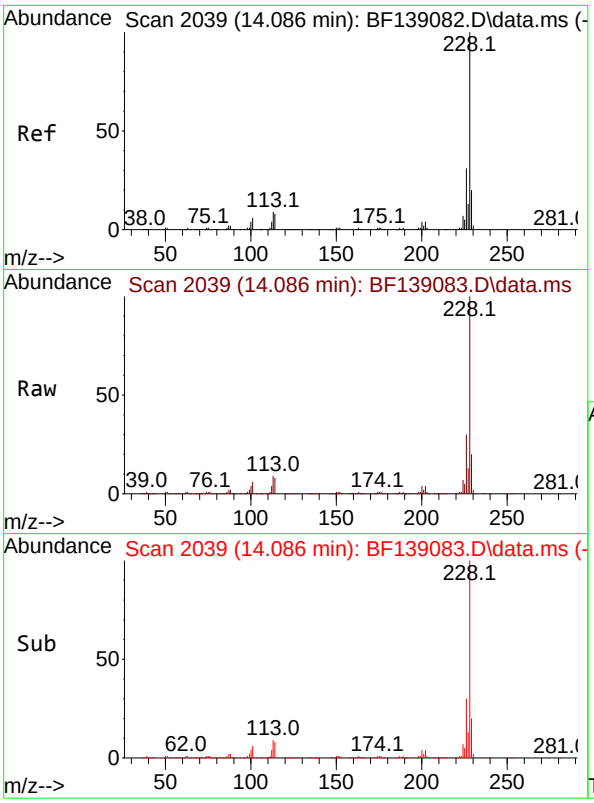


#82
3,3'-Dichlorobenzidine
Concen: 44.739 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:252 Resp: 212078

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.4	77.0
126	10.2	8.6	12.8



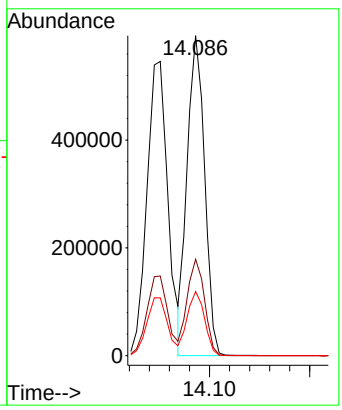


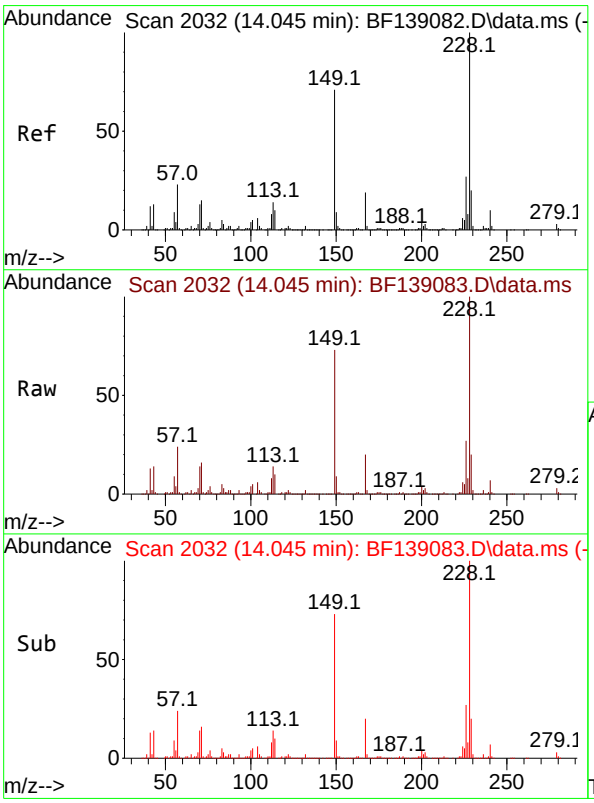
#83
Chrysene
Concen: 46.635 ng
RT: 14.086 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 716847

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.3	36.5
229	20.1	15.8	23.8

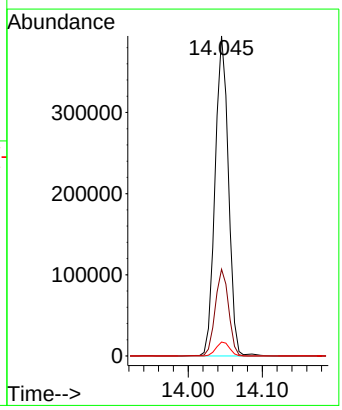


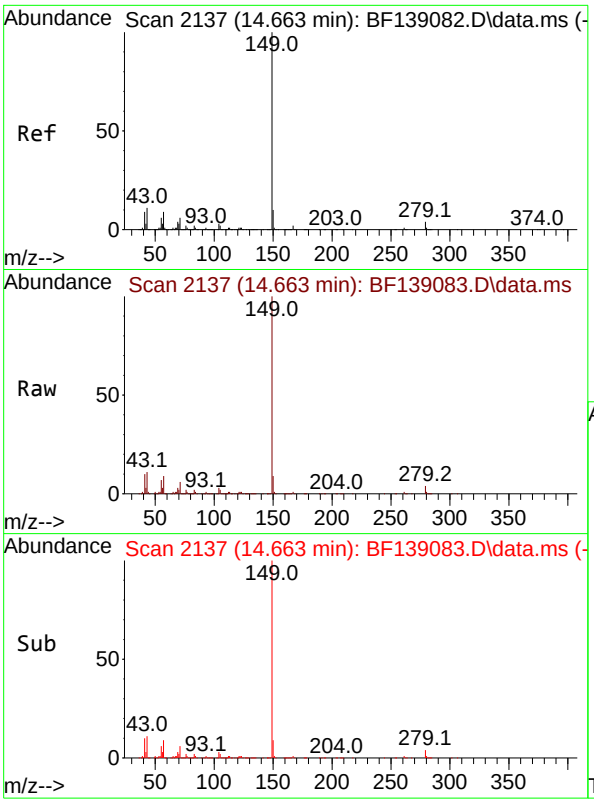


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.913 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:149 Resp: 492852

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.8	32.6
279	4.4	3.5	5.3



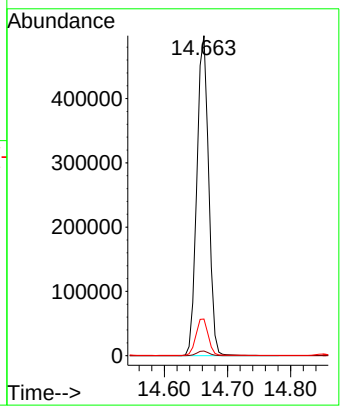


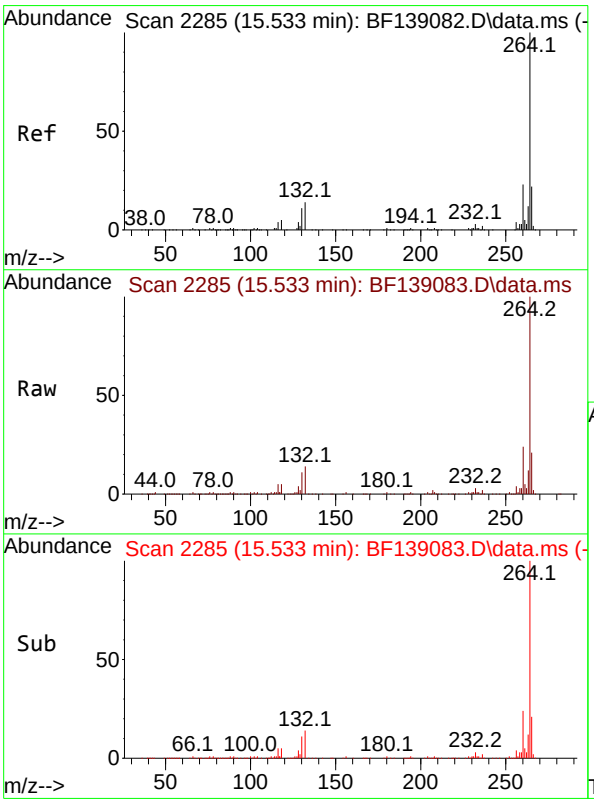
#85
Di-n-octyl phthalate
Concen: 46.438 ng
RT: 14.663 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 643574

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	11.9	9.6	14.4

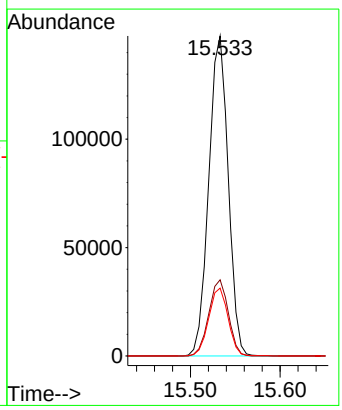


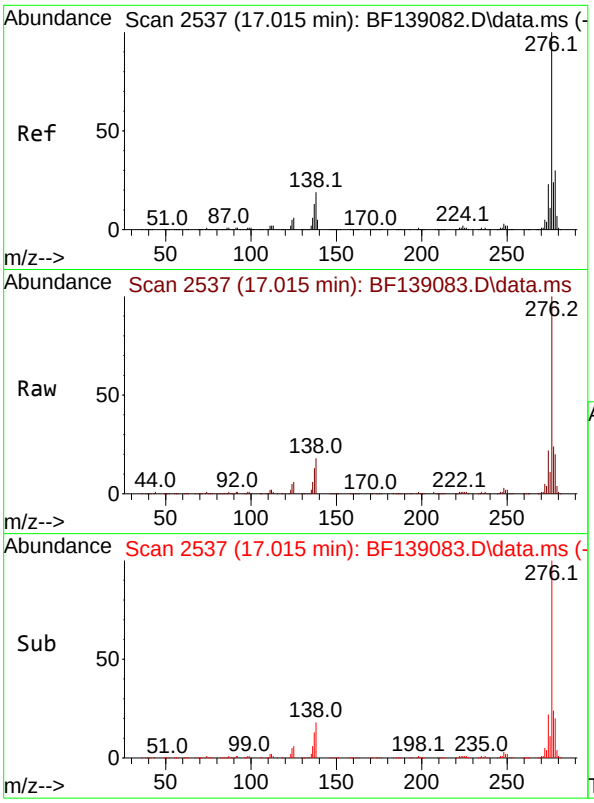


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:264 Resp: 221684

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	27.8
265	21.2	17.4	26.2



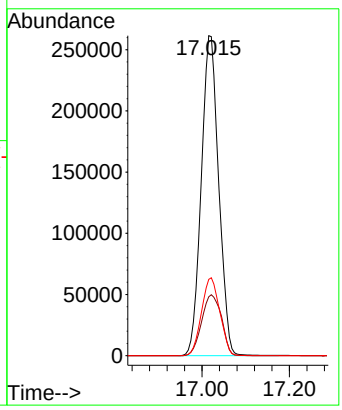


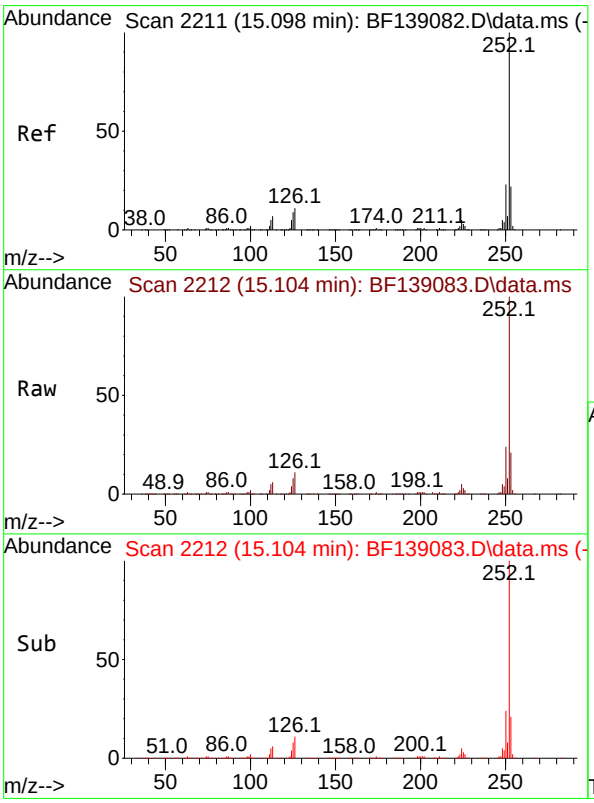
#87
Indeno(1,2,3-cd)pyrene
Concen: 55.893 ng
RT: 17.015 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 725173

Ion	Ratio	Lower	Upper
276	100		
138	21.7	17.3	25.9
277	25.5	20.2	30.4

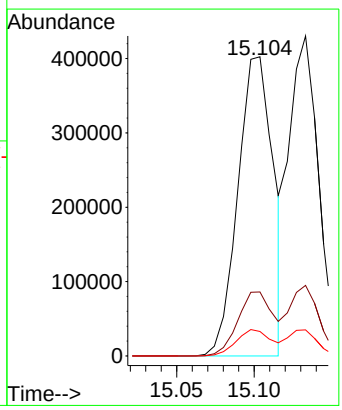


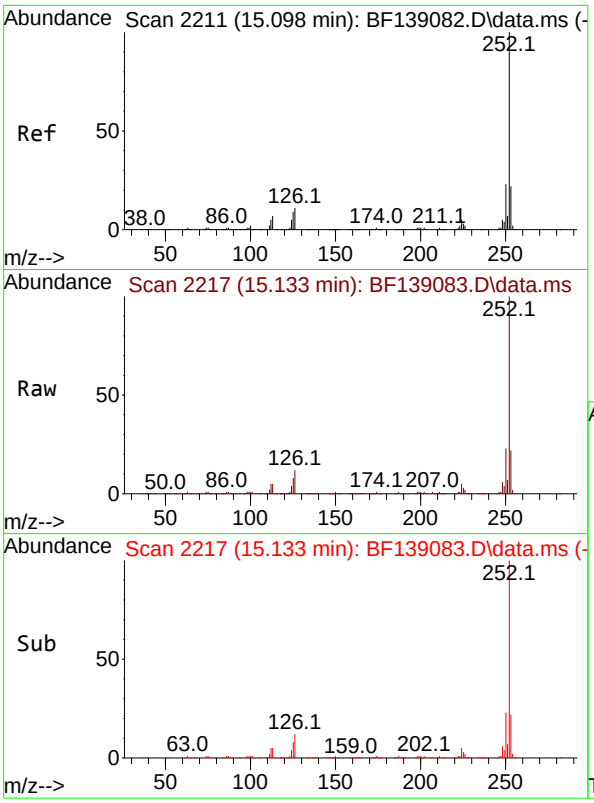


#88
Benzo(b)fluoranthene
Concen: 44.224 ng
RT: 15.104 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:252 Resp: 639143

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	8.2	7.0	10.6



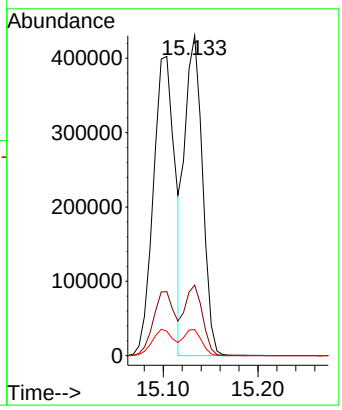


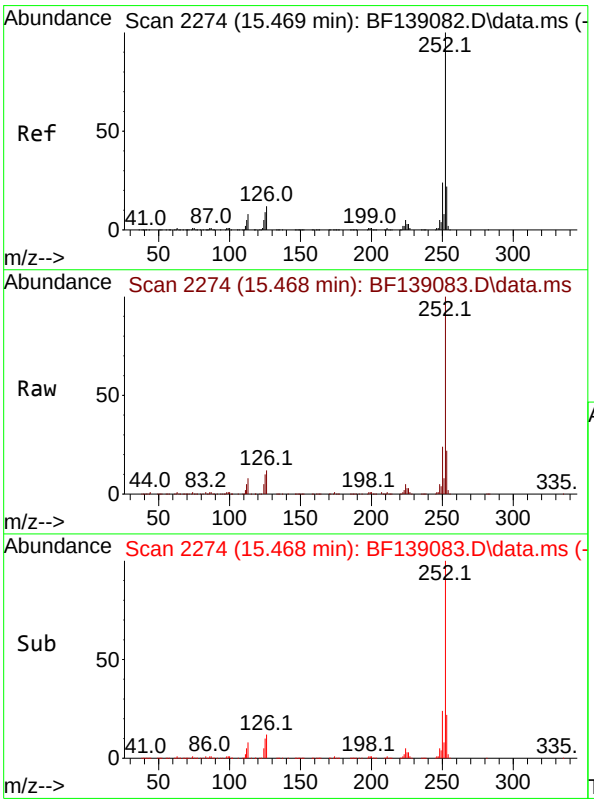
#89
Benzo(k)fluoranthene
Concen: 46.900 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 564533

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	8.2	7.0	10.6

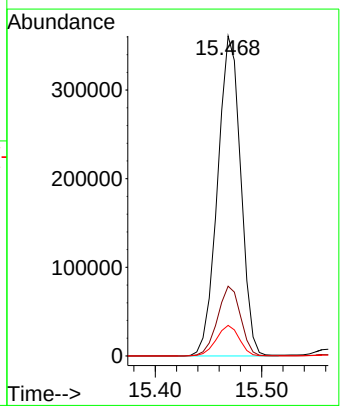


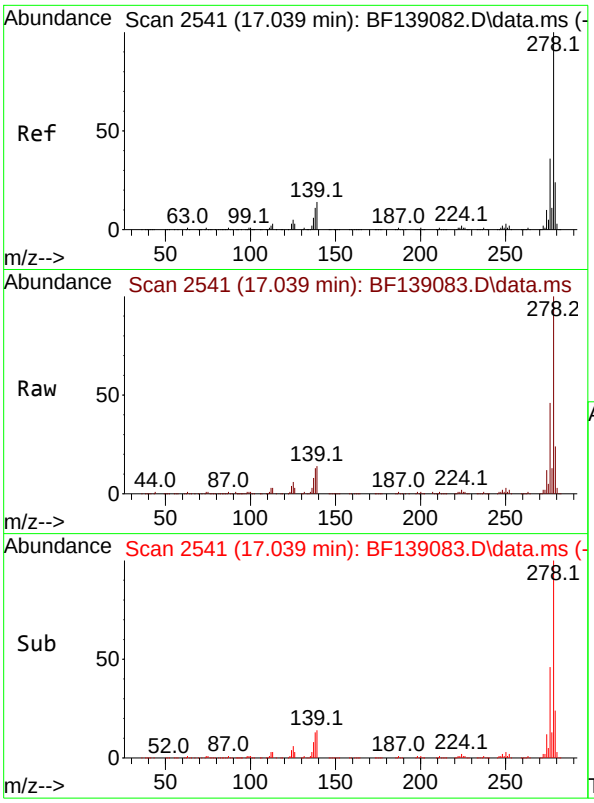


#90
Benzo(a)pyrene
Concen: 47.628 ng
RT: 15.468 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:252 Resp: 543904

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	9.6	7.4	11.2



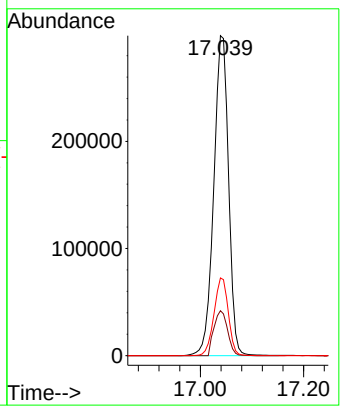


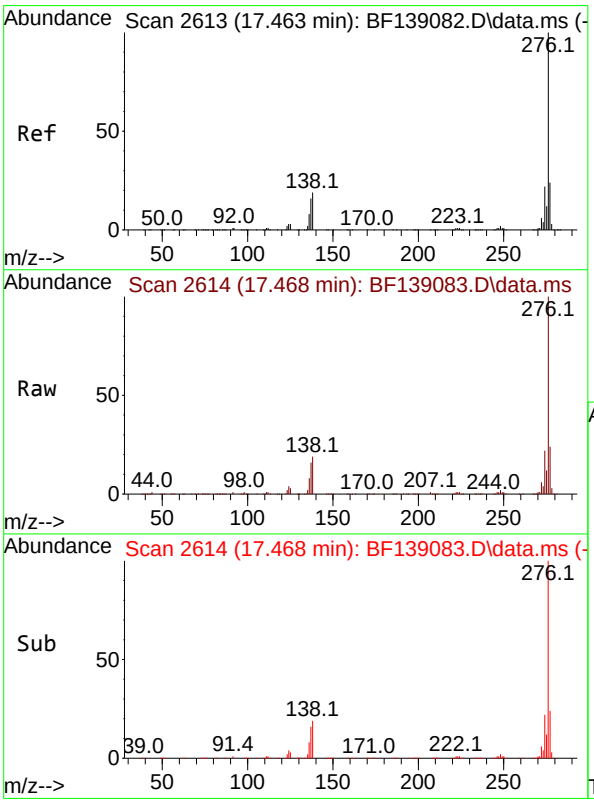
#91
Dibenzo(a,h)anthracene
Concen: 55.711 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 593343

Ion	Ratio	Lower	Upper
278	100		
139	14.1	10.8	16.2
279	24.3	19.2	28.8

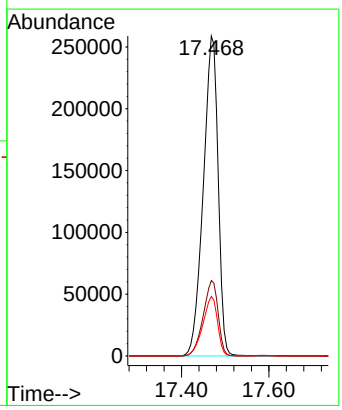




#92
Benzo(g,h,i)perylene
Concen: 50.085 ng
RT: 17.468 min Scan# 2614
Delta R.T. 0.005 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:276 Resp: 611003

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	18.6	15.0	22.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139084.D
Acq On : 20 Aug 2024 20:11
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 21 01:17:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	116767	20.000	ng		0.00
21) Naphthalene-d8	8.181	136	414853	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	238087	20.000	ng		0.00
64) Phenanthrene-d10	11.422	188	424289	20.000	ng		0.00
76) Chrysene-d12	14.063	240	234868	20.000	ng		0.00
86) Perylene-d12	15.533	264	215767	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	848645	111.817	ng		0.00
7) Phenol-d6	6.528	99	1114003	113.596	ng		0.00
23) Nitrobenzene-d5	7.469	82	973376	136.720	ng		0.00
42) 2,4,6-Tribromophenol	10.728	330	283705	131.627	ng		0.00
45) 2-Fluorobiphenyl	9.257	172	1655383	110.315	ng		0.00
79) Terphenyl-d14	13.010	244	1867052	131.903	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.693	88	192666	59.186	ng		99
3) Pyridine	3.446	79	483377	58.435	ng		99
4) n-Nitrosodimethylamine	3.416	42	280755	56.184	ng		99
6) Aniline	6.563	93	494161m	55.818	ng		
8) 2-Chlorophenol	6.687	128	415028	56.854	ng		99
9) Benzaldehyde	6.451	77	286216	49.764	ng		99
10) Phenol	6.545	94	569365	55.800	ng		96
11) bis(2-Chloroethyl)ether	6.640	93	453791	55.512	ng		97
12) 1,3-Dichlorobenzene	6.840	146	496266	56.543	ng		99
13) 1,4-Dichlorobenzene	6.916	146	499243	56.891	ng		99
14) 1,2-Dichlorobenzene	7.075	146	458713	57.195	ng		100
15) Benzyl Alcohol	7.040	79	448065	57.809	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.175	45	635410	54.970	ng		99
17) 2-Methylphenol	7.145	107	357526	57.249	ng		98
18) Hexachloroethane	7.416	117	176274	57.284	ng		94
19) n-Nitroso-di-n-propyla...	7.322	70	348317	54.086	ng		98
20) 3+4-Methylphenols	7.304	107	454495	56.170	ng		94
22) Acetophenone	7.310	105	614826	58.044	ng	#	90
24) Nitrobenzene	7.487	77	526257	66.501	ng		100
25) Isophorone	7.722	82	897722	59.325	ng		99
26) 2-Nitrophenol	7.798	139	173893	61.265	ng		99
27) 2,4-Dimethylphenol	7.834	122	275889	57.495	ng		99
28) bis(2-Chloroethoxy)met...	7.934	93	517880	58.571	ng		99
29) 2,4-Dichlorophenol	8.034	162	361119	60.407	ng		98
30) 1,2,4-Trichlorobenzene	8.122	180	411787	58.827	ng		100
31) Naphthalene	8.204	128	1234480	58.721	ng		100
32) Benzoic acid	7.969	122	256052	60.659	ng		95
33) 4-Chloroaniline	8.257	127	427007	59.308	ng		99
34) Hexachlorobutadiene	8.322	225	267627	58.528	ng		100
35) Caprolactam	8.639	113	117296	61.896	ng		98
36) 4-Chloro-3-methylphenol	8.728	107	400116	60.448	ng		99
37) 2-Methylnaphthalene	8.892	142	770749	57.159	ng		100
38) 1-Methylnaphthalene	8.992	142	754101	57.945	ng		99
40) 1,2,4,5-Tetrachloroben...	9.057	216	393492	61.546	ng		99
41) Hexachlorocyclopentadiene	9.045	237	159087	63.503	ng		98
43) 2,4,6-Trichlorophenol	9.169	196	264292	60.084	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139084.D
Acq On : 20 Aug 2024 20:11
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 21 01:17:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	273227	60.514	ng		99
46) 1,1'-Biphenyl	9.363	154	955936	58.612	ng		100
47) 2-Chloronaphthalene	9.386	162	769095	58.036	ng		100
48) 2-Nitroaniline	9.475	65	239544	61.293	ng		97
49) Acenaphthylene	9.798	152	1107542	58.342	ng		100
50) Dimethylphthalate	9.663	163	876931	59.661	ng		100
51) 2,6-Dinitrotoluene	9.722	165	185432	61.494	ng		98
52) Acenaphthene	9.975	154	737080	58.779	ng		97
53) 3-Nitroaniline	9.892	138	185121	60.833	ng		98
54) 2,4-Dinitrophenol	9.992	184	69592	62.322	ng	#	61
55) Dibenzofuran	10.145	168	1055676	57.960	ng		100
56) 4-Nitrophenol	10.039	139	154276	69.438	ng		99
57) 2,4-Dinitrotoluene	10.122	165	234505	61.661	ng		99
58) Fluorene	10.486	166	827038	56.818	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	230511	63.585	ng		99
60) Diethylphthalate	10.363	149	869390	59.695	ng		99
61) 4-Chlorophenyl-phenyle...	10.480	204	412033	56.677	ng		98
62) 4-Nitroaniline	10.510	138	190012	61.824	ng		98
63) Azobenzene	10.639	77	944357	58.350	ng		99
65) 4,6-Dinitro-2-methylph...	10.533	198	105631	62.597	ng		91
66) n-Nitrosodiphenylamine	10.598	169	714187	56.888	ng		99
67) 4-Bromophenyl-phenylether	10.969	248	262967	58.490	ng		97
68) Hexachlorobenzene	11.028	284	287218	59.547	ng		100
69) Atrazine	11.122	200	212515	55.426	ng		99
70) Pentachlorophenol	11.222	266	198256	64.347	ng		99
71) Phenanthrene	11.445	178	1214149	56.300	ng		99
72) Anthracene	11.498	178	1197552	56.781	ng		100
73) Carbazole	11.651	167	1109602	56.342	ng		99
74) Di-n-butylphthalate	11.986	149	1291288	56.547	ng		100
75) Fluoranthene	12.633	202	1286842	55.906	ng		100
77) Benzidine	12.757	184	271453	55.952	ng		99
78) Pyrene	12.863	202	1296045	66.124	ng		100
80) Butylbenzylphthalate	13.486	149	453833	66.928	ng		99
81) Benzo(a)anthracene	14.051	228	901578	58.395	ng		100
82) 3,3'-Dichlorobenzidine	14.016	252	230868	53.496	ng		99
83) Chrysene	14.086	228	818271	58.472	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	566628	63.032	ng		100
85) Di-n-octyl phthalate	14.663	149	737539	58.456	ng		100
87) Indeno(1,2,3-cd)pyrene	17.021	276	886371	70.191	ng		100
88) Benzo(b)fluoranthene	15.104	252	841181	59.800	ng		100
89) Benzo(k)fluoranthene	15.133	252	605420	51.676	ng		99
90) Benzo(a)pyrene	15.474	252	659846	59.365	ng		100
91) Dibenzo(a,h)anthracene	17.045	278	721676	69.619	ng		100
92) Benzo(g,h,i)perylene	17.474	276	744241	61.977	ng		100

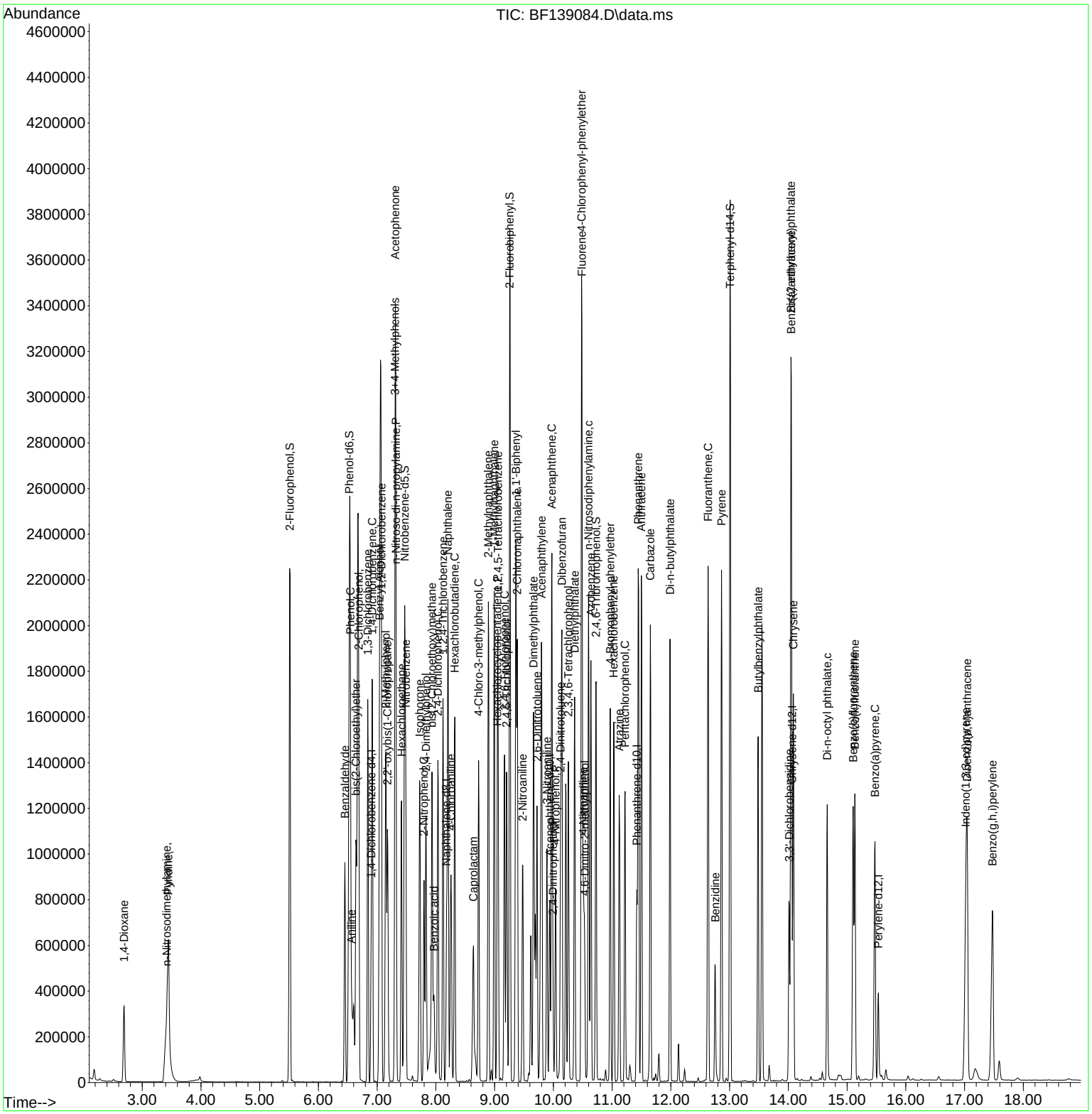
(#) = qualifier out of range (m) = manual integration (+) = signals summed

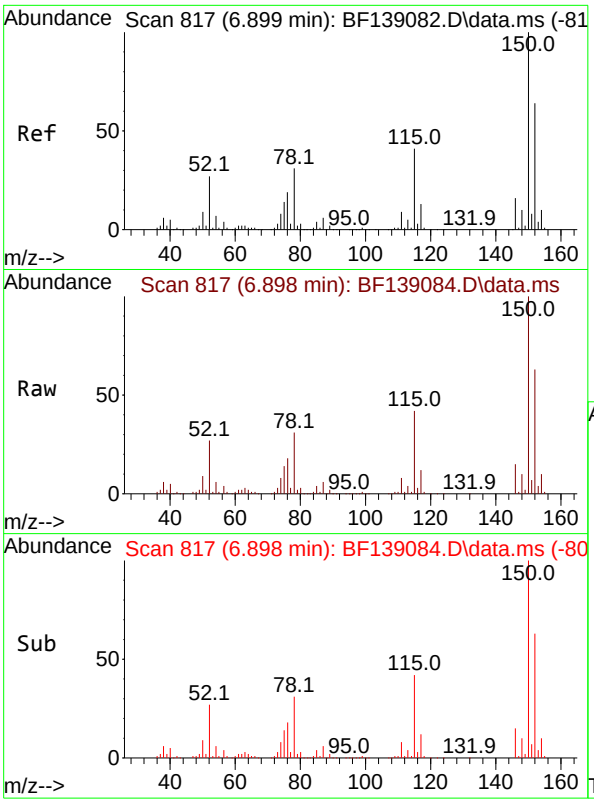
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139084.D
Acq On : 20 Aug 2024 20:11
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 21 01:17:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration



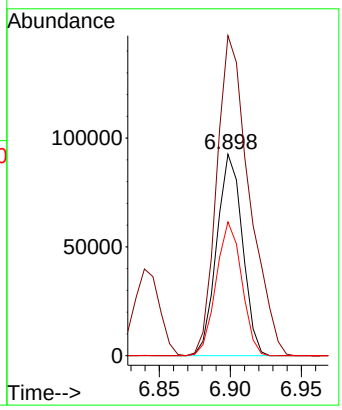


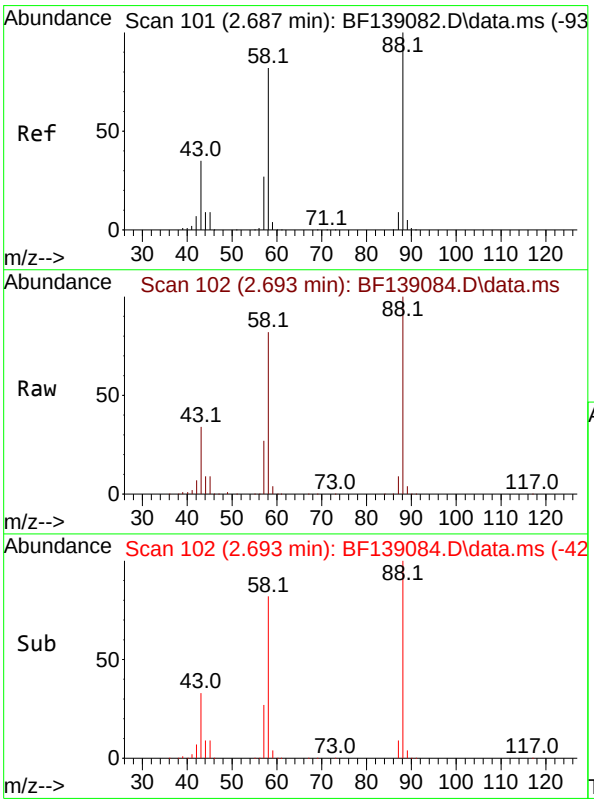
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 116767

Ion	Ratio	Lower	Upper
152	100		
150	158.8	125.1	187.7
115	66.4	51.8	77.6

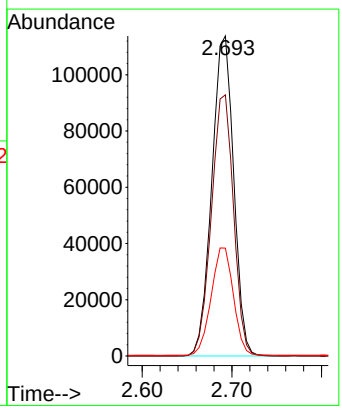


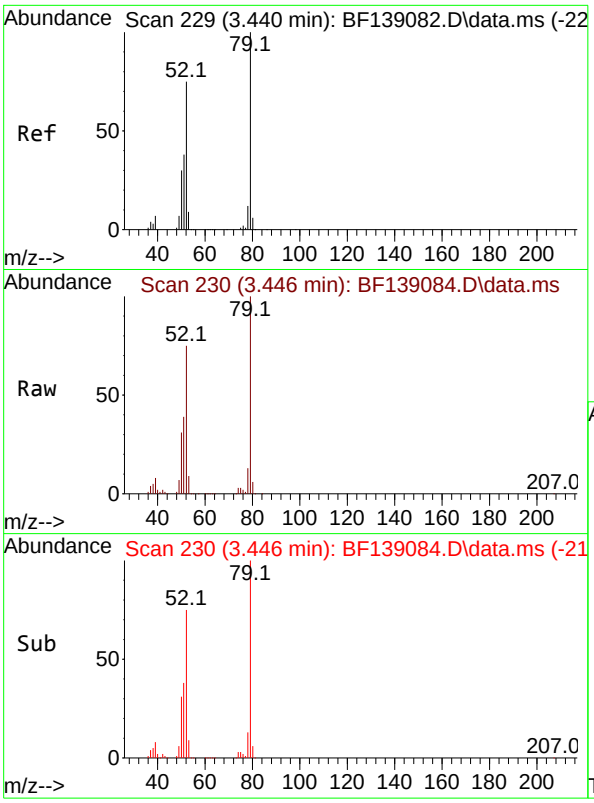


#2
1,4-Dioxane
Concen: 59.186 ng
RT: 2.693 min Scan# 102
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 88 Resp: 192666

Ion	Ratio	Lower	Upper
88	100		
58	82.6	65.4	98.0
43	34.1	27.9	41.9



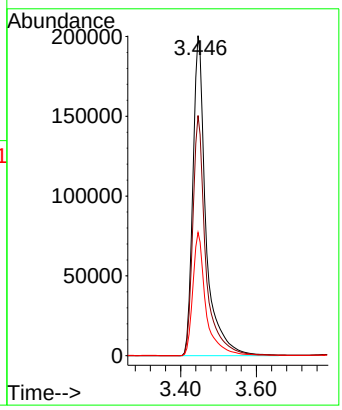


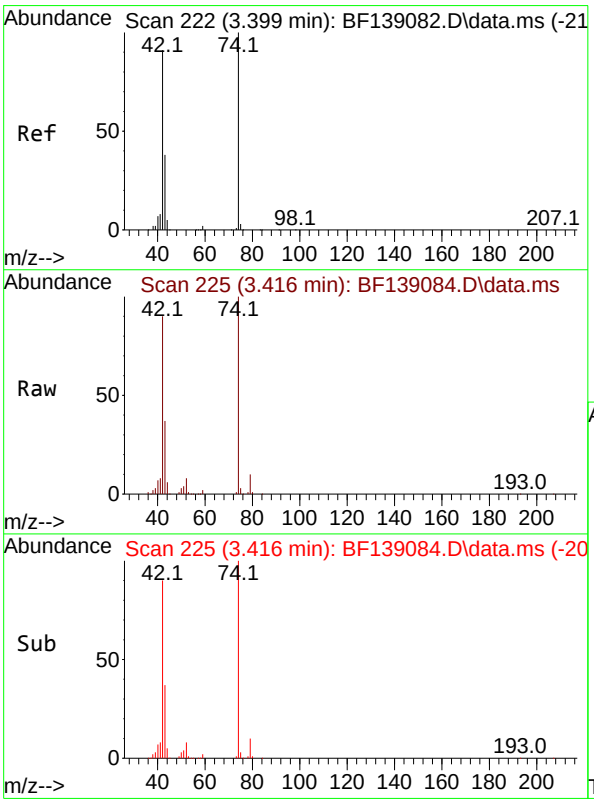
#3
Pyridine
Concen: 58.435 ng
RT: 3.446 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 483377

Ion	Ratio	Lower	Upper
79	100		
52	75.0	59.7	89.5
51	38.5	30.6	45.8

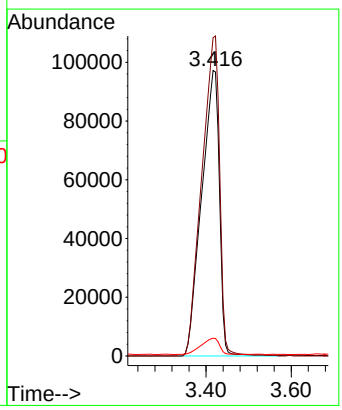


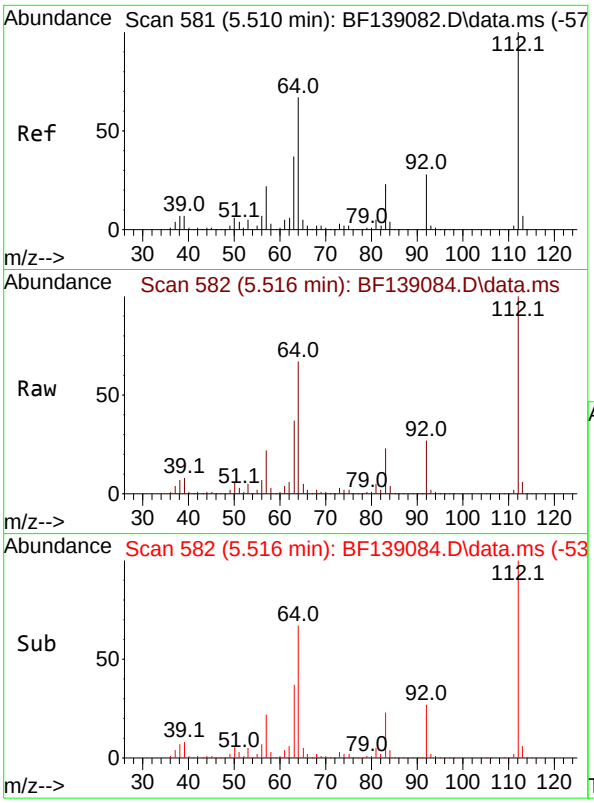


#4
n-Nitrosodimethylamine
Concen: 56.184 ng
RT: 3.416 min Scan# 225
Delta R.T. 0.018 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 42 Resp: 280755

Ion	Ratio	Lower	Upper
42	100		
74	111.4	88.2	132.2
44	6.2	5.4	8.0



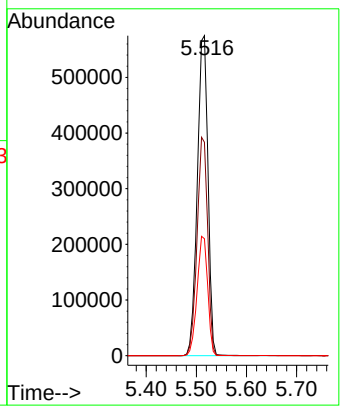


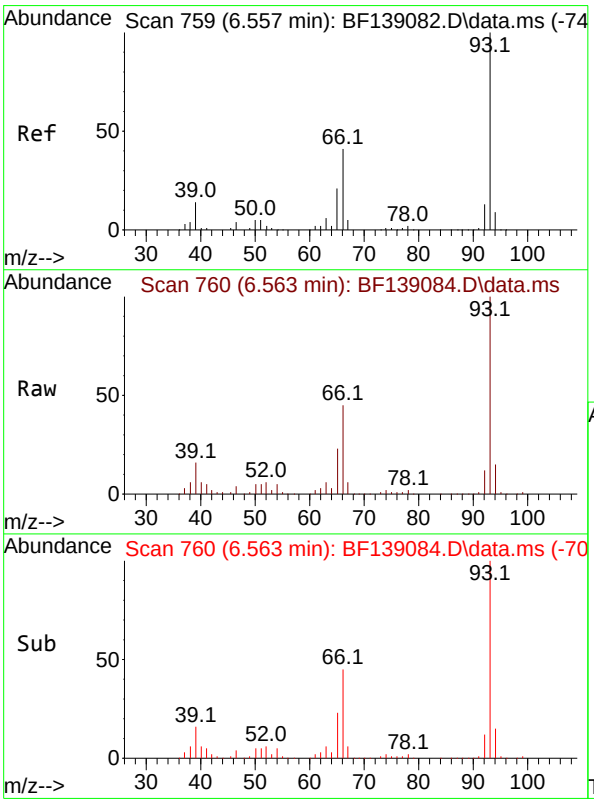
#5
2-Fluorophenol
Concen: 111.817 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 848645

Ion	Ratio	Lower	Upper
112	100		
64	66.7	53.8	80.6
63	36.5	29.4	44.2

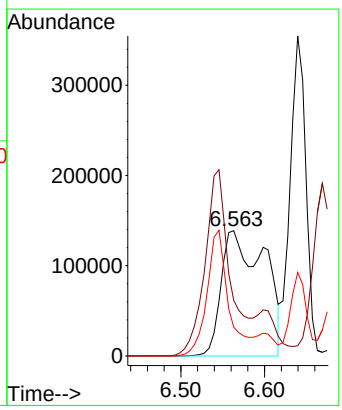


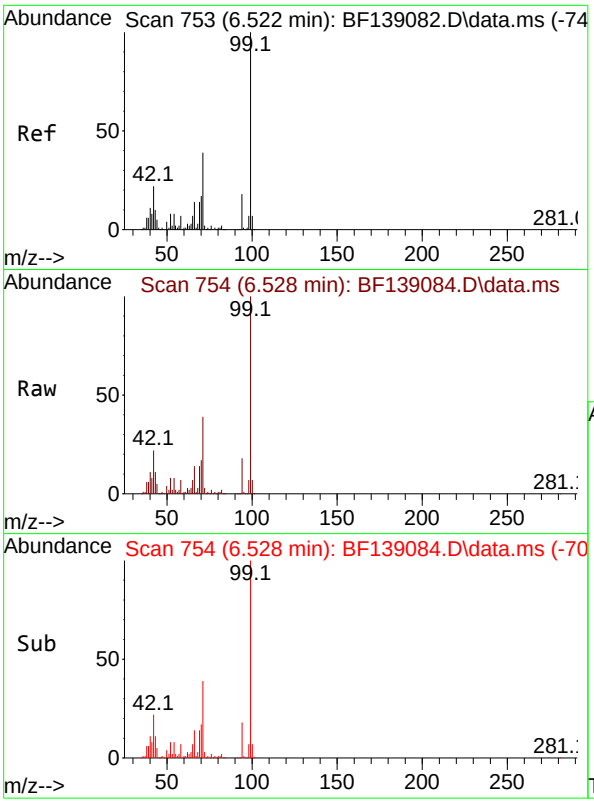


#6
Aniline
Concen: 55.818 ng m
RT: 6.563 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 93 Resp: 494161

Ion	Ratio	Lower	Upper
93	100		
66	44.5	35.1	52.7
65	23.0	17.4	26.2



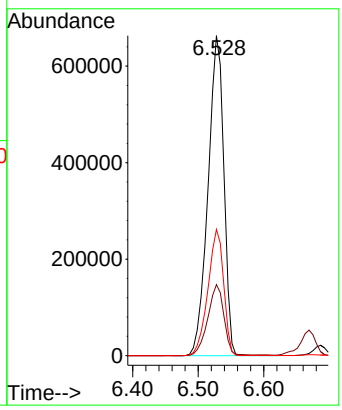


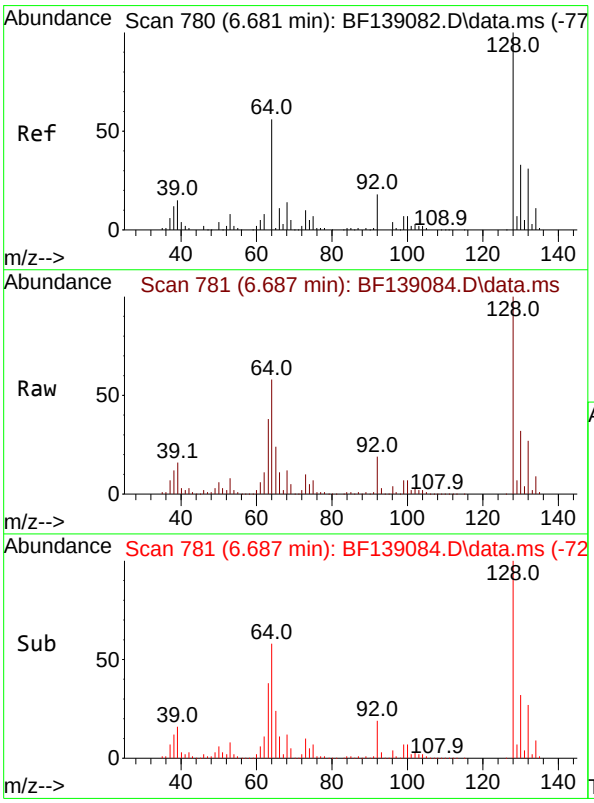
#7
Phenol-d6
Concen: 113.596 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 1114003

Ion	Ratio	Lower	Upper
99	100		
42	22.2	17.4	26.2
71	39.5	31.2	46.8

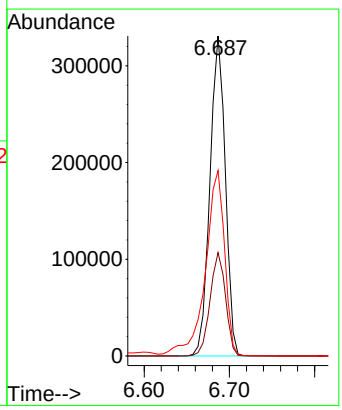


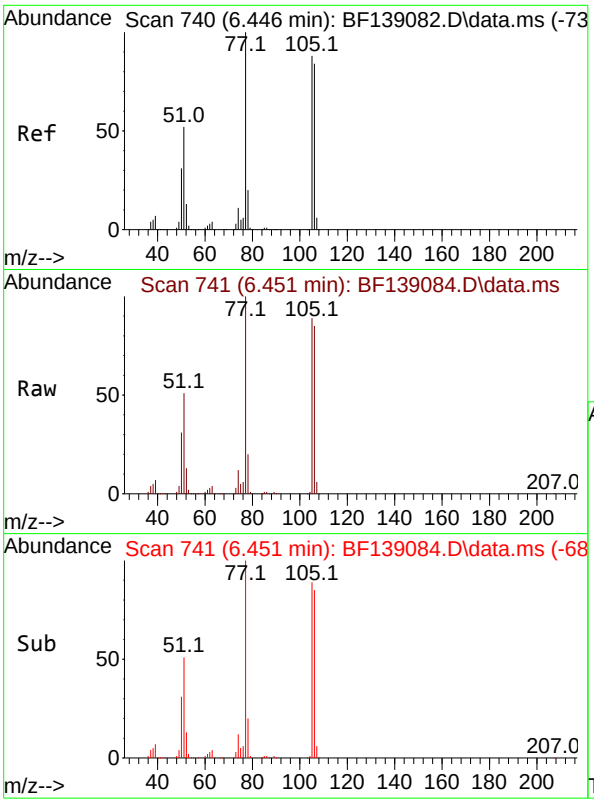


#8
2-Chlorophenol
Concen: 56.854 ng
RT: 6.687 min Scan# 781
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:128 Resp: 415028

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	57.9	39.1	79.1



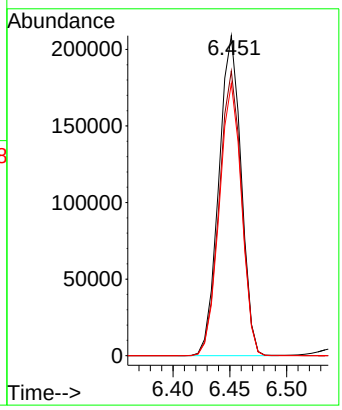


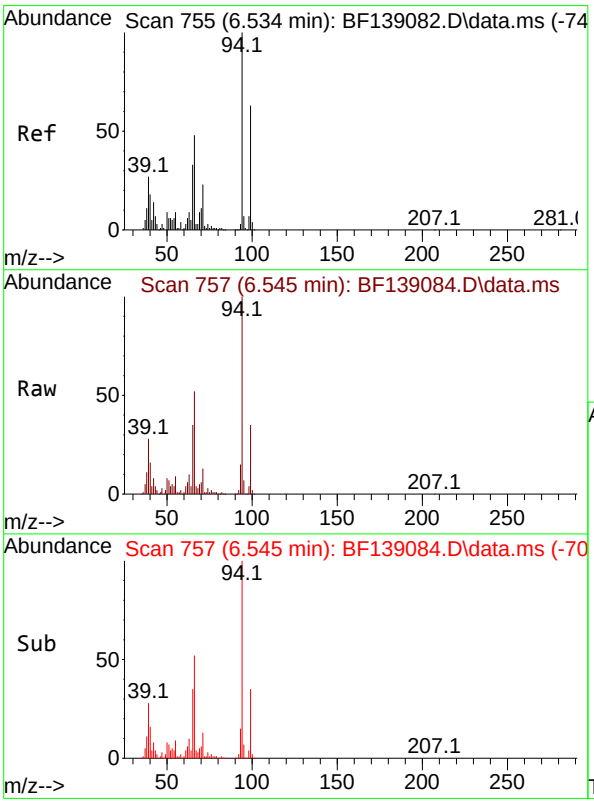
#9
Benzaldehyde
Concen: 49.764 ng
RT: 6.451 min Scan# 74
Delta R.T. 0.005 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 286216

Ion	Ratio	Lower	Upper
77	100		
105	89.0	68.2	108.2
106	85.1	63.8	103.8

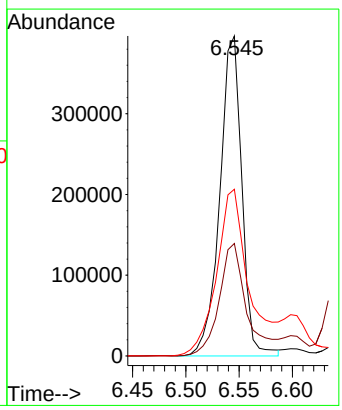


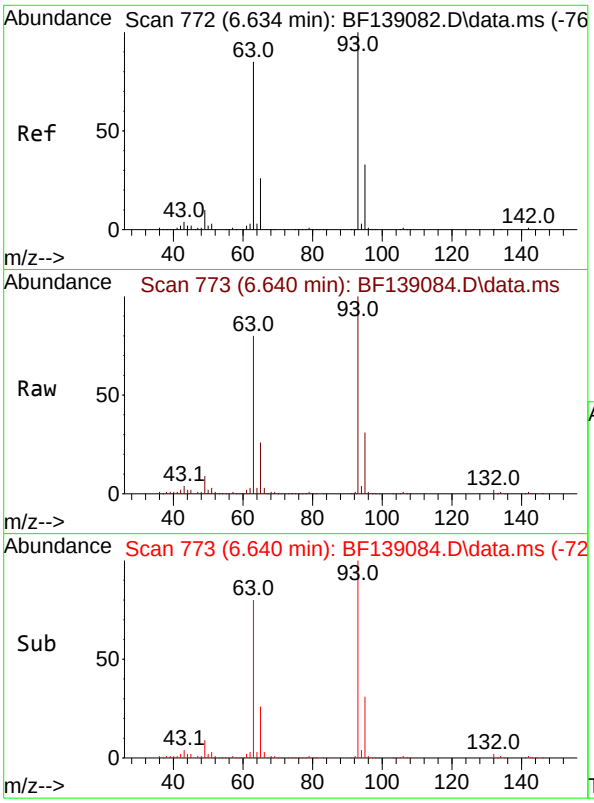


#10
Phenol
Concen: 55.800 ng
RT: 6.545 min Scan# 757
Delta R.T. 0.012 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 94 Resp: 569365

Ion	Ratio	Lower	Upper
94	100		
65	35.2	13.5	53.5
66	52.1	28.5	68.5



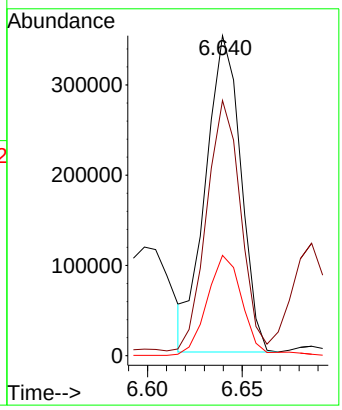


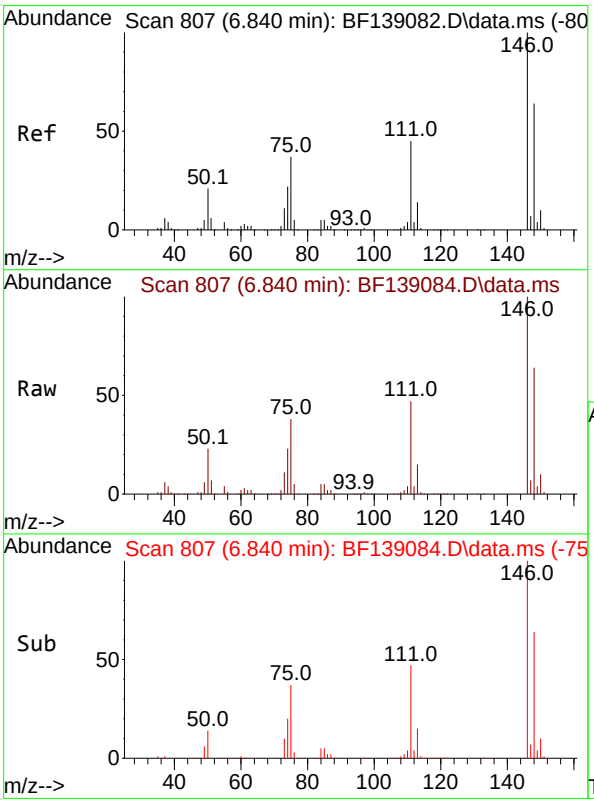
#11
bis(2-Chloroethyl)ether
Concen: 55.512 ng
RT: 6.640 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 453791

Ion	Ratio	Lower	Upper
93	100		
63	79.8	62.7	102.7
95	31.3	11.9	51.9

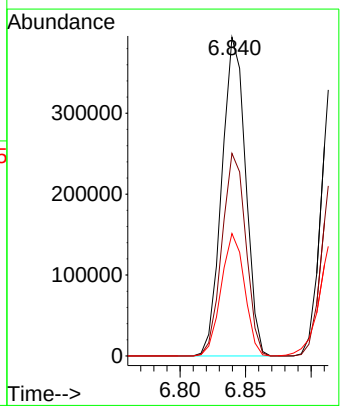


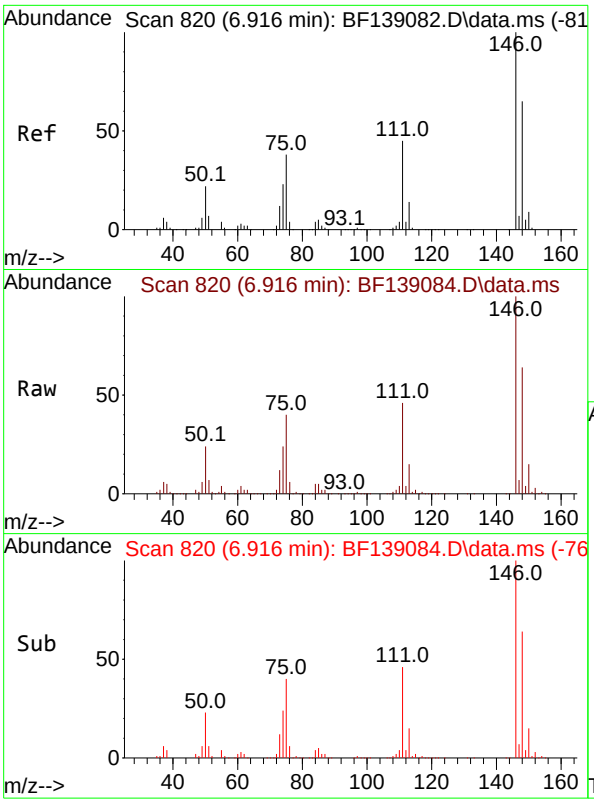


#12
1,3-Dichlorobenzene
Concen: 56.543 ng
RT: 6.840 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:146 Resp: 496266

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.2	76.8
75	38.4	29.9	44.9



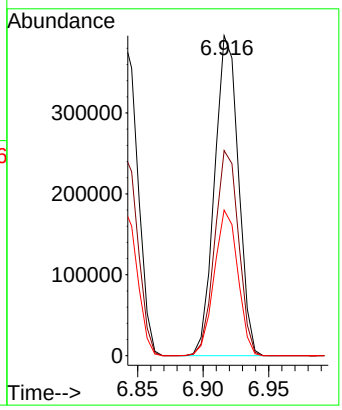


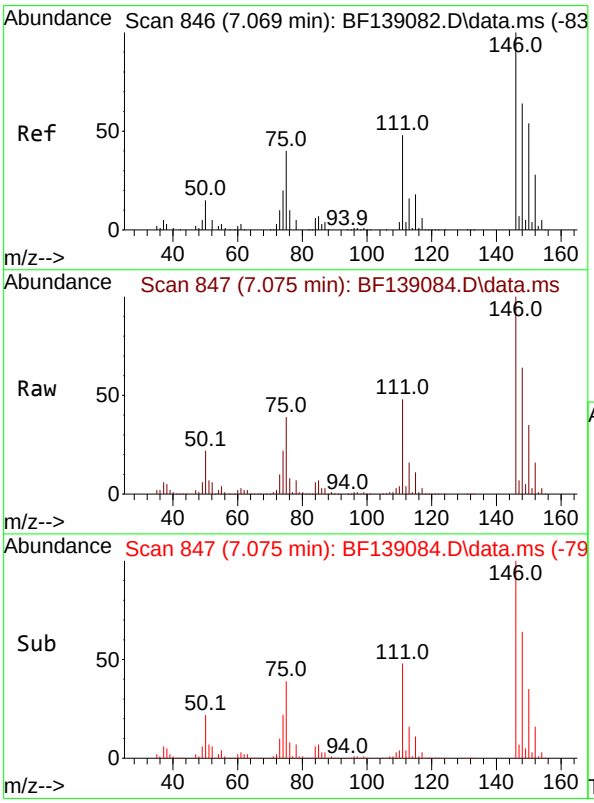
#13
1,4-Dichlorobenzene
Concen: 56.891 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 499243

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.9	77.9
111	45.5	35.8	53.6

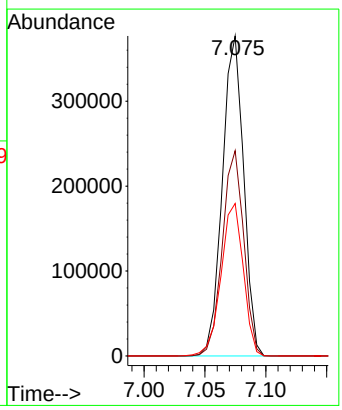


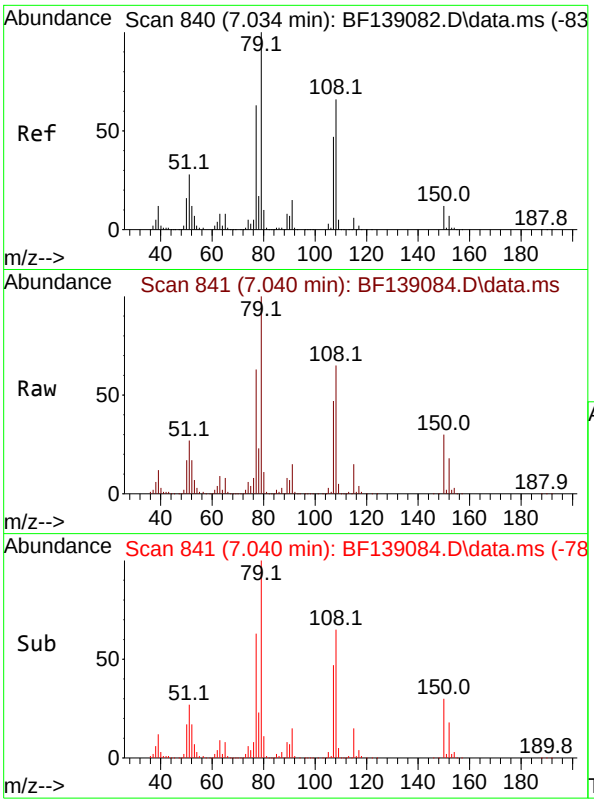


#14
1,2-Dichlorobenzene
Concen: 57.195 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:146 Resp: 458713

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.2
111	47.6	38.1	57.1



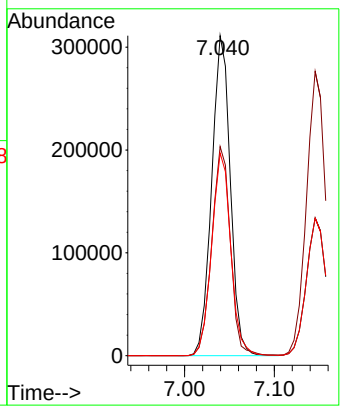


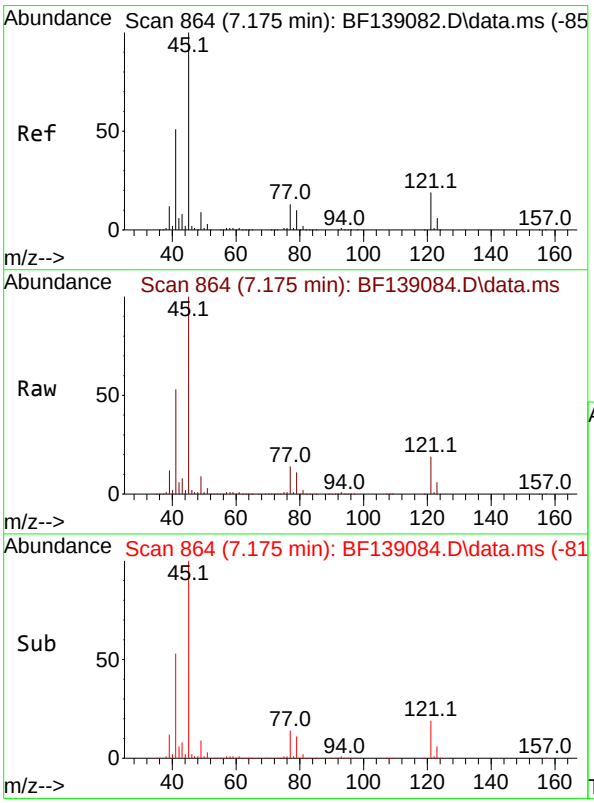
#15
Benzyl Alcohol
Concen: 57.809 ng
RT: 7.040 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 448065

Ion	Ratio	Lower	Upper
79	100		
108	65.4	52.8	79.2
77	63.3	50.6	76.0

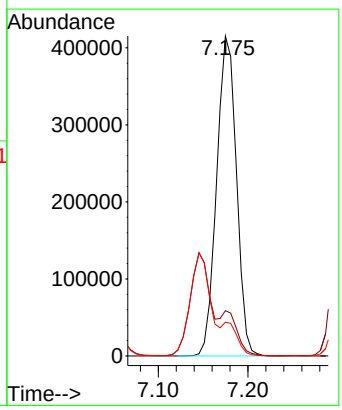


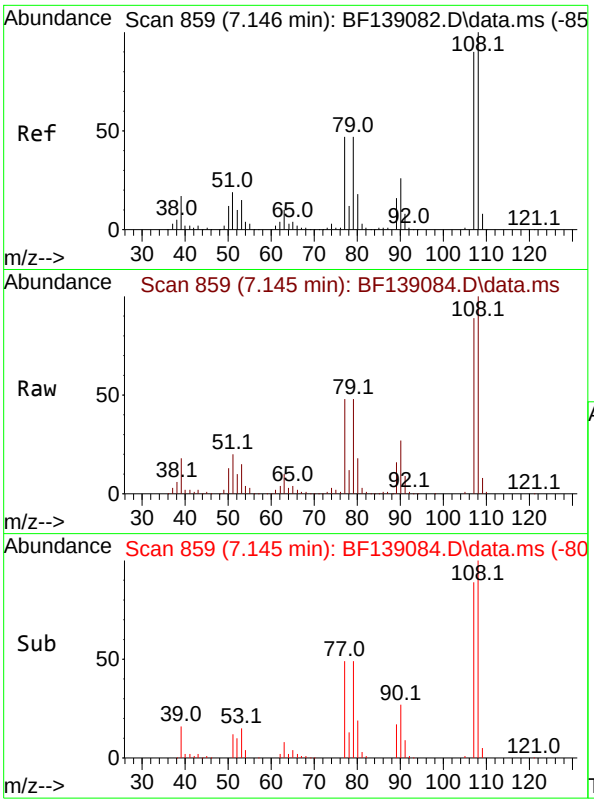


#16
2,2'-oxybis(1-Chloropropane)
Concen: 54.970 ng
RT: 7.175 min Scan# 864
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 45 Resp: 635410

Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	33.7
79	10.5	0.0	30.4



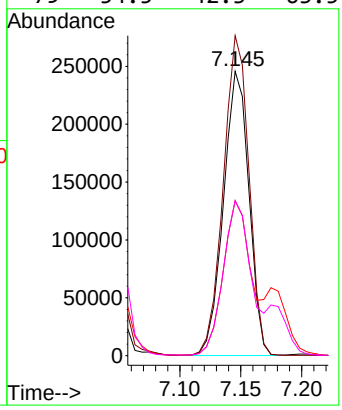


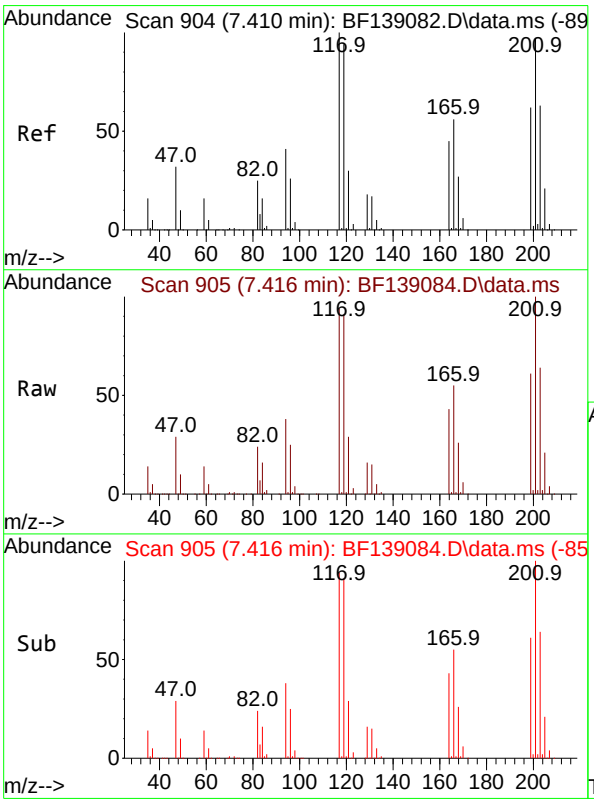
#17
2-Methylphenol
Concen: 57.249 ng
RT: 7.145 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 357526

Ion	Ratio	Lower	Upper
107	100		
108	112.5	89.1	133.7
77	54.5	42.1	63.1
79	54.5	42.3	63.5

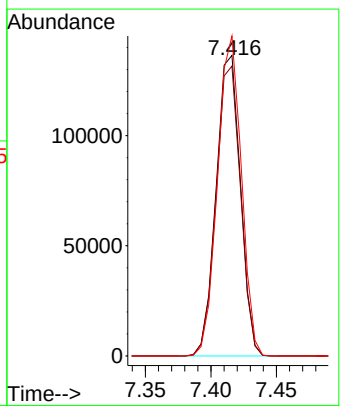


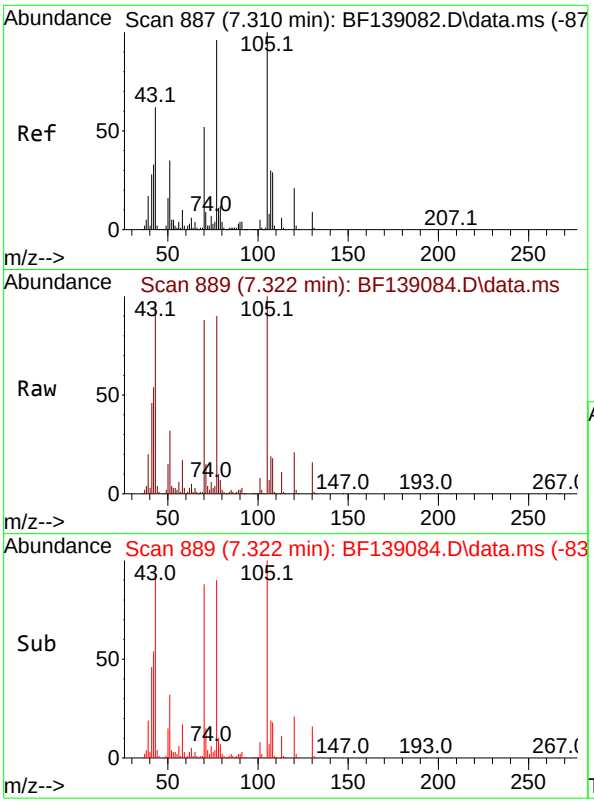


#18
Hexachloroethane
Concen: 57.284 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:117 Resp: 176274

Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.5	113.3
201	106.4	77.8	116.8



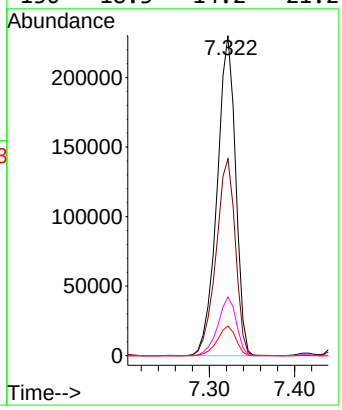


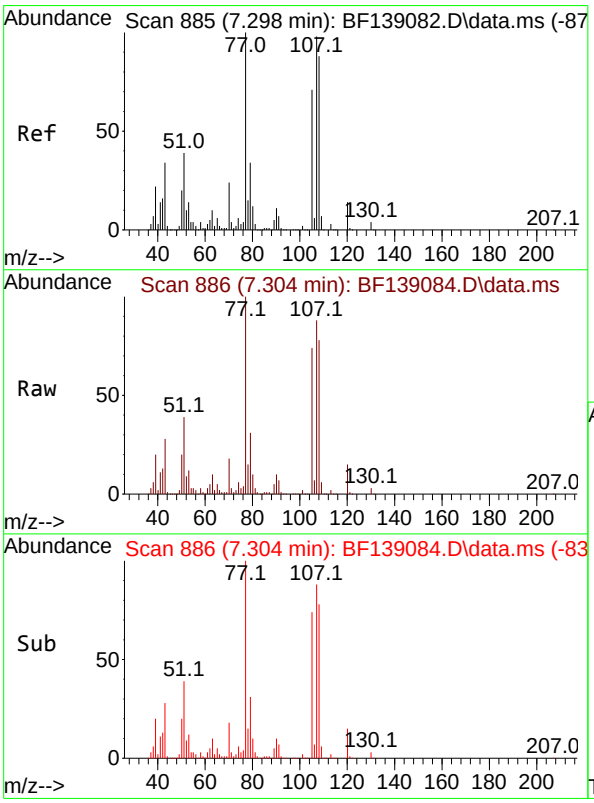
#19
n-Nitroso-di-n-propylamine
Concen: 54.086 ng
RT: 7.322 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 348317

Ion	Ratio	Lower	Upper
70	100		
42	61.5	50.5	75.7
101	9.2	7.2	10.8
130	18.3	14.2	21.2

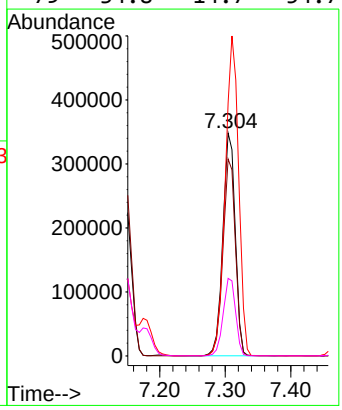


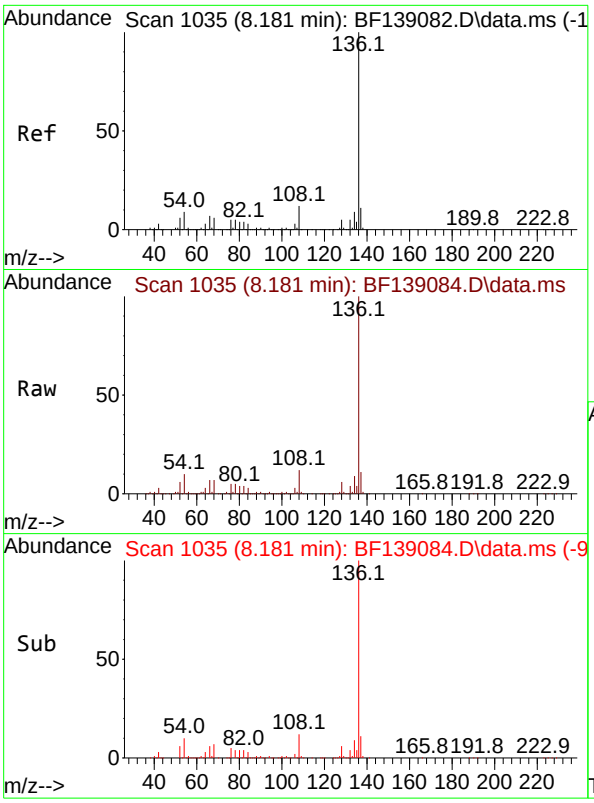


#20
3+4-Methylphenols
Concen: 56.170 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:107 Resp: 454495

Ion	Ratio	Lower	Upper
107	100		
108	88.3	70.2	110.2
77	113.6	82.7	122.7
79	34.8	14.7	54.7



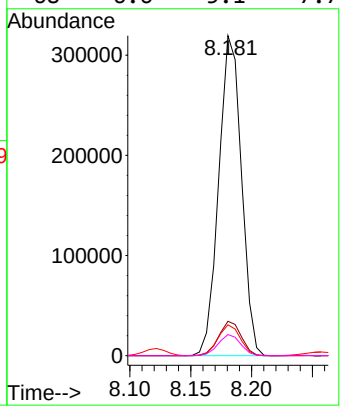


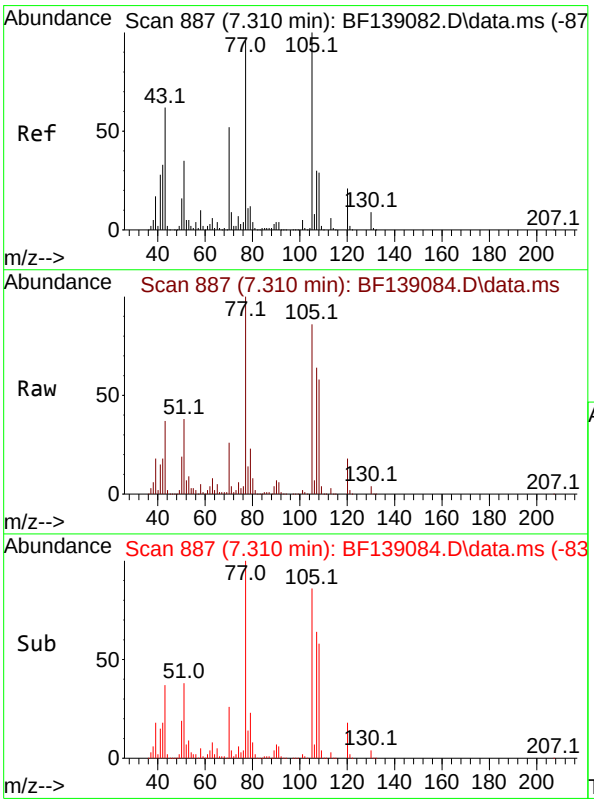
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 414853

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	9.7	7.6	11.4
68	6.6	5.1	7.7

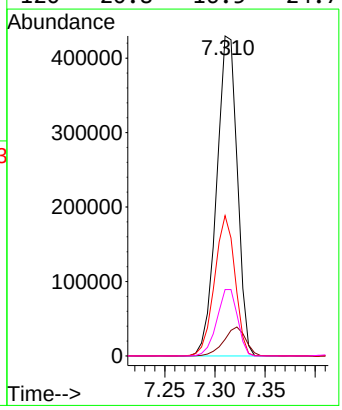


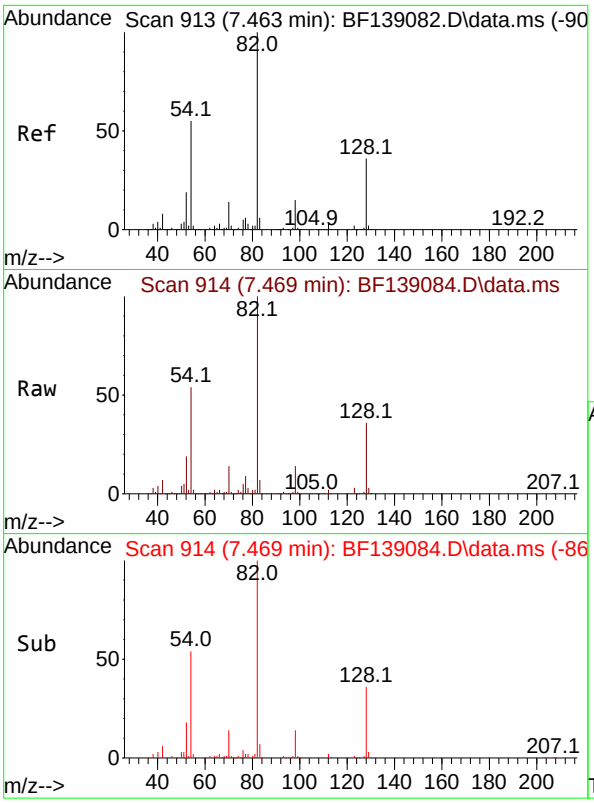


#22
Acetophenone
Concen: 58.044 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:105 Resp: 614826

Ion	Ratio	Lower	Upper
105	100		
71	5.2	7.0	10.6#
51	43.9	28.0	42.0#
120	20.8	16.5	24.7



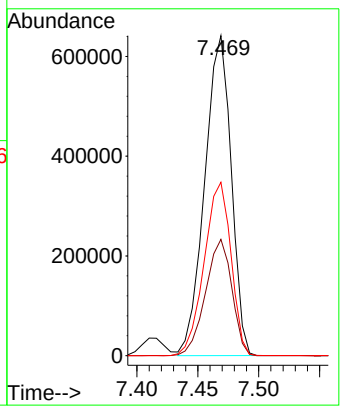


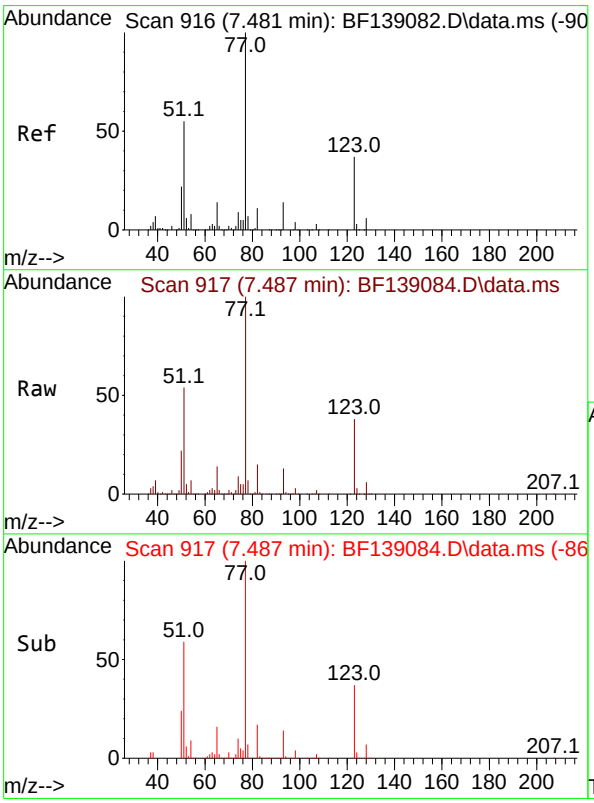
#23
Nitrobenzene-d5
Concen: 136.720 ng
RT: 7.469 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 973376

Ion	Ratio	Lower	Upper
82	100		
128	36.4	29.0	43.4
54	54.2	43.4	65.2

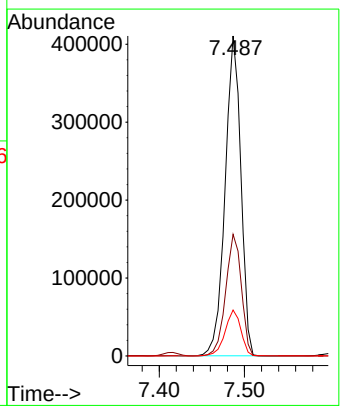


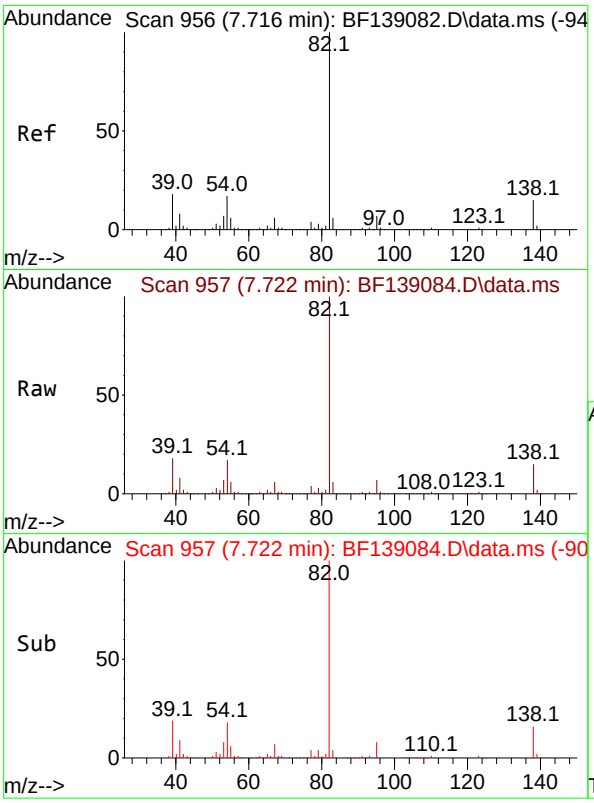


#24
Nitrobenzene
Concen: 66.501 ng
RT: 7.487 min Scan# 917
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 77 Resp: 526257

Ion	Ratio	Lower	Upper
77	100		
123	38.0	30.3	45.5
65	14.4	11.3	16.9



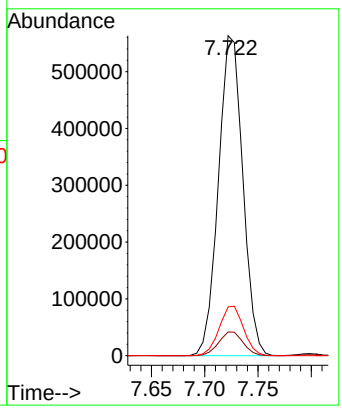


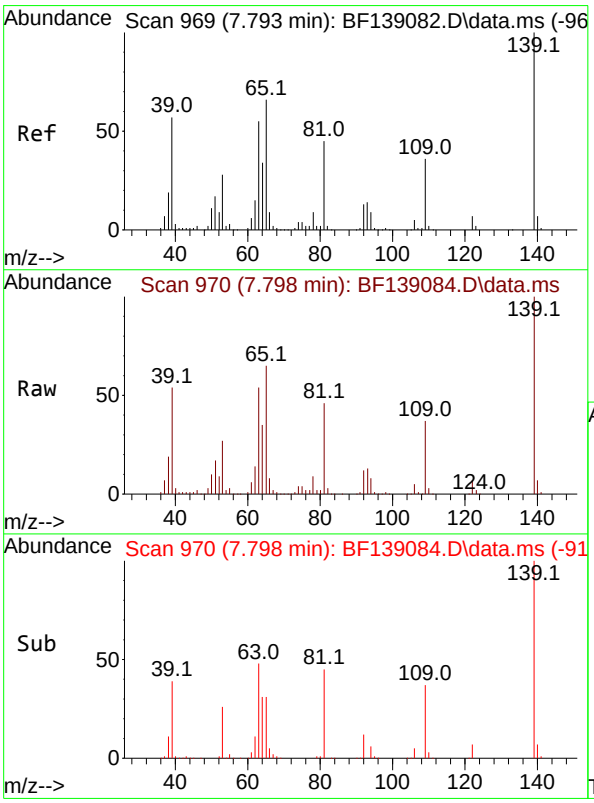
#25
Isophorone
Concen: 59.325 ng
RT: 7.722 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 897722

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.9	8.9
138	15.3	11.8	17.8

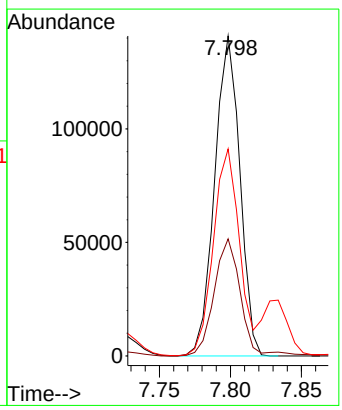


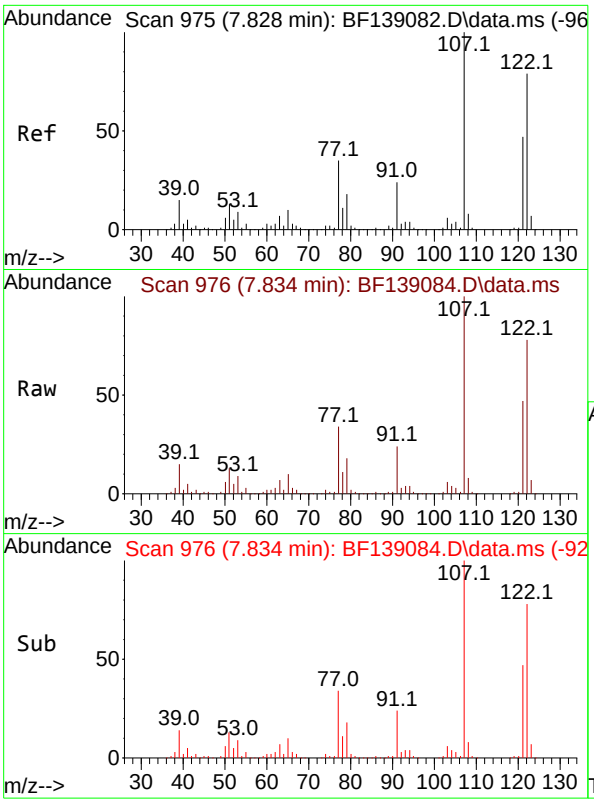


#26
2-Nitrophenol
Concen: 61.265 ng
RT: 7.798 min Scan# 970
Delta R.T. 0.005 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:139 Resp: 173893

Ion	Ratio	Lower	Upper
139	100		
109	36.6	29.2	43.8
65	64.7	52.7	79.1



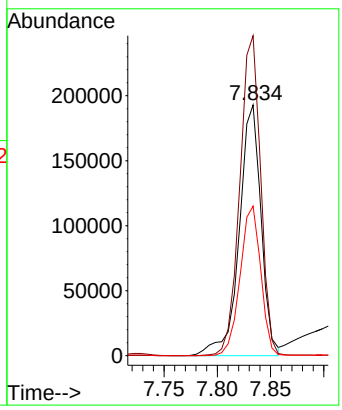


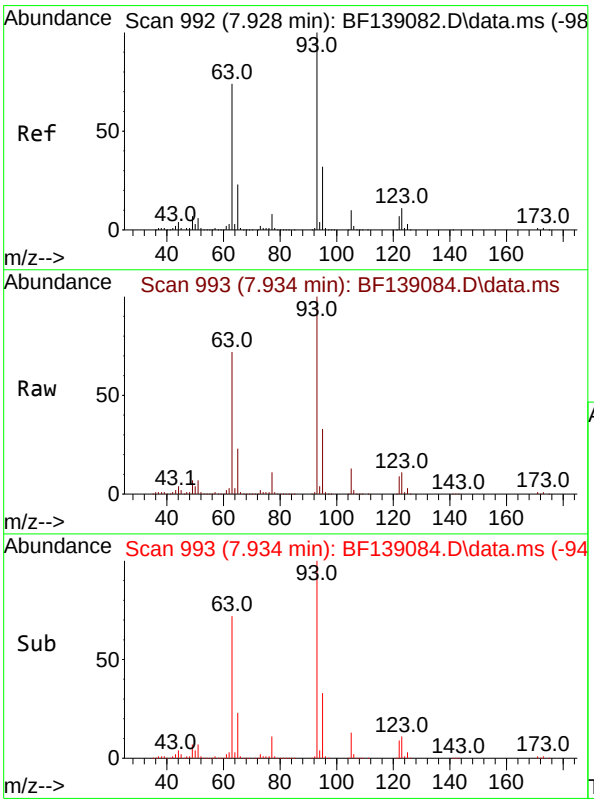
#27
2,4-Dimethylphenol
Concen: 57.495 ng
RT: 7.834 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 275889

Ion	Ratio	Lower	Upper
122	100		
107	127.6	101.1	151.7
121	59.7	47.5	71.3

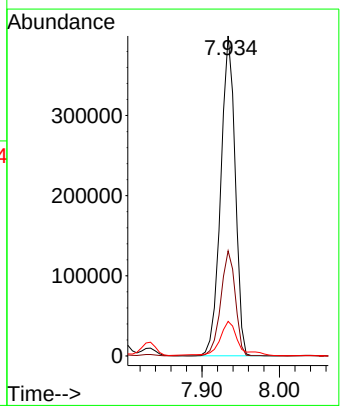


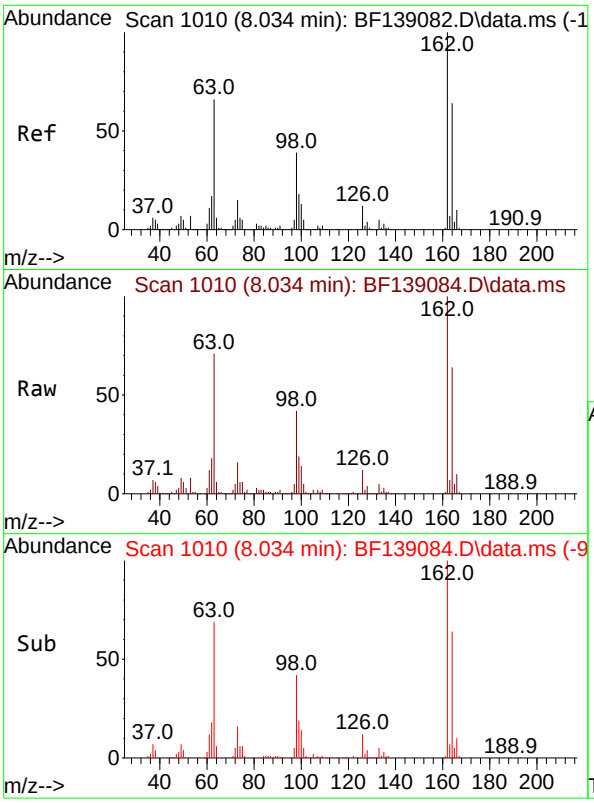


#28
bis(2-Chloroethoxy)methane
Concen: 58.571 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 93 Resp: 517880

Ion	Ratio	Lower	Upper
93	100		
95	32.9	25.8	38.8
123	10.8	8.9	13.3



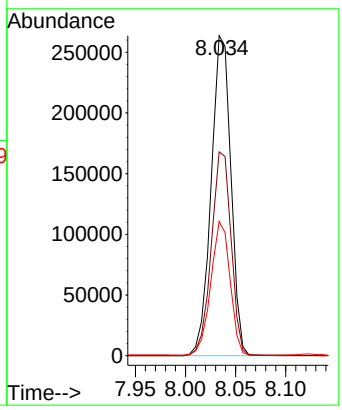


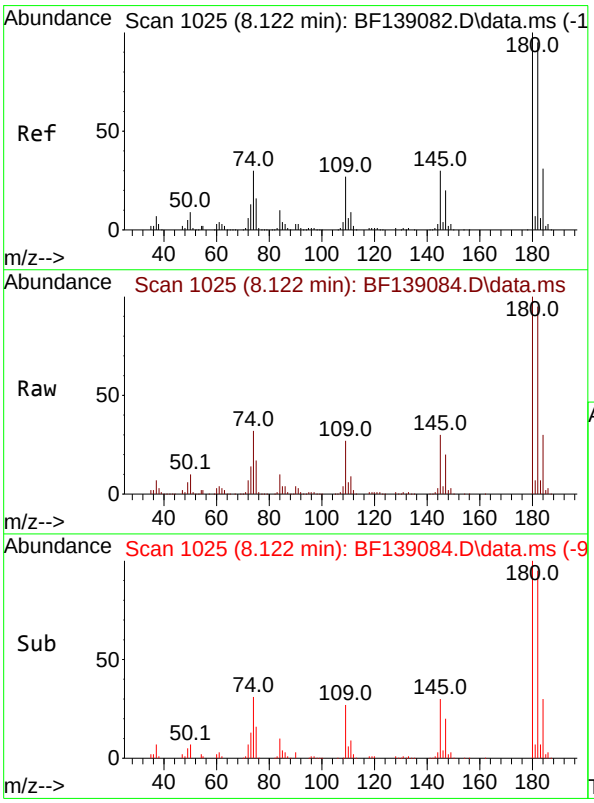
#29
2,4-Dichlorophenol
Concen: 60.407 ng
RT: 8.034 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 361119

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.9	83.9
98	42.0	19.7	59.7

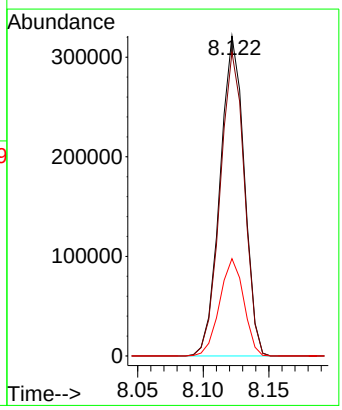


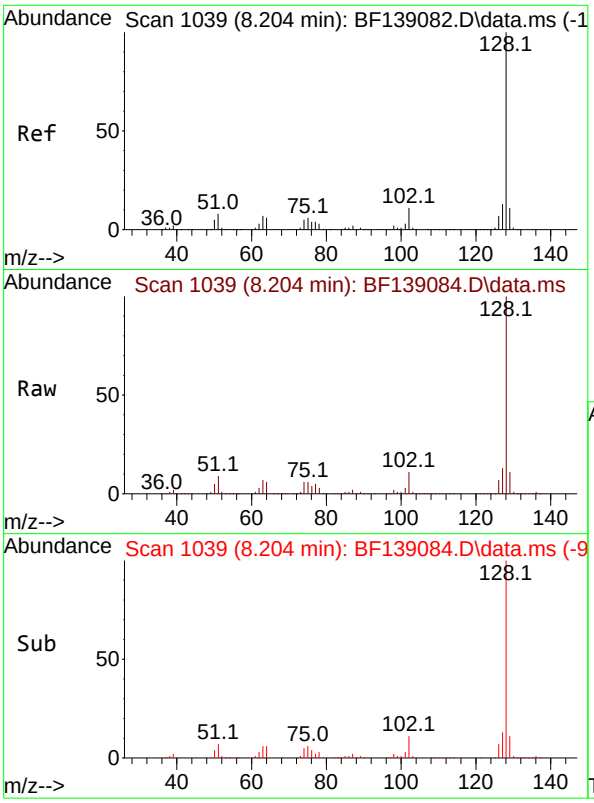


#30
1,2,4-Trichlorobenzene
Concen: 58.827 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:180 Resp: 411787

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.1	114.1
145	30.4	23.9	35.9



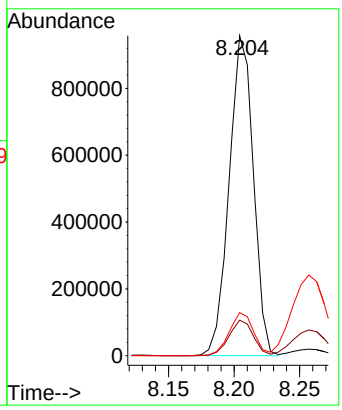


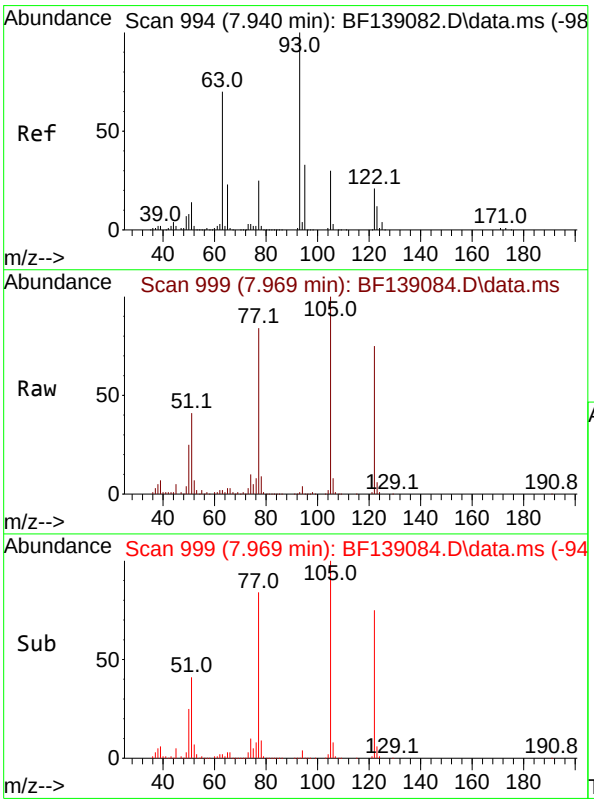
#31
Naphthalene
Concen: 58.721 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 1234480

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.5	10.7	16.1

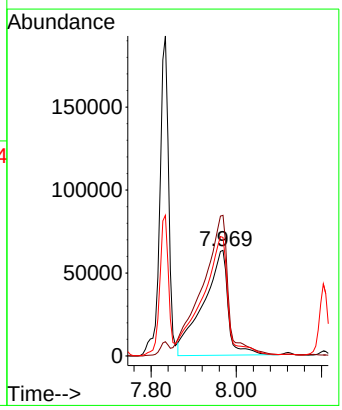


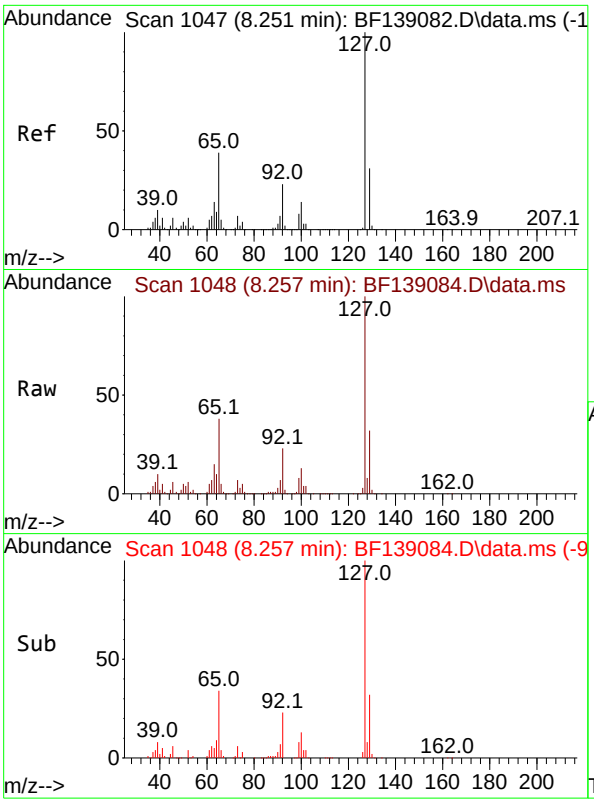


#32
Benzoic acid
Concen: 60.659 ng
RT: 7.969 min Scan# 999
Delta R.T. 0.029 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:122 Resp: 256052

Ion	Ratio	Lower	Upper
122	100		
105	133.2	119.6	159.6
77	112.3	97.6	137.6



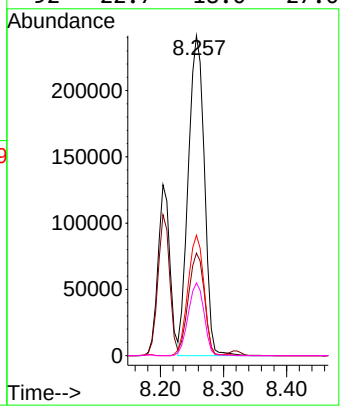


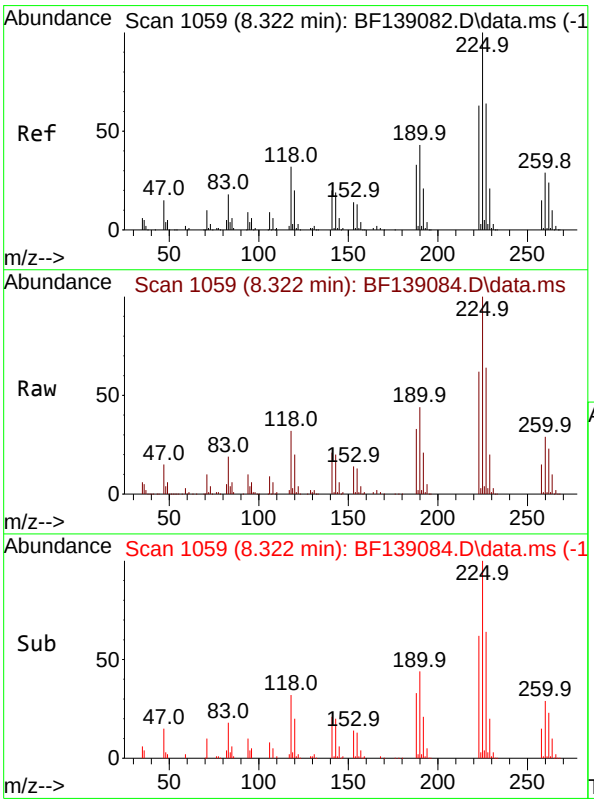
#33
4-Chloroaniline
Concen: 59.308 ng
RT: 8.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 427007

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.0	39.0
65	37.7	30.3	45.5
92	22.7	18.0	27.0

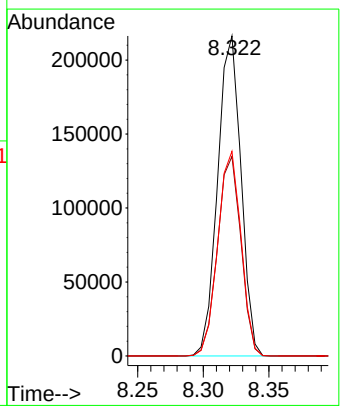


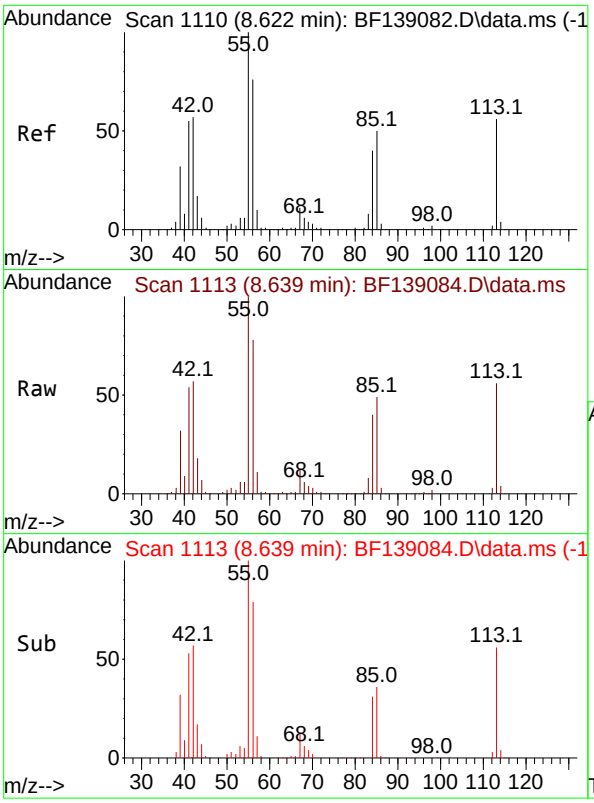


#34
Hexachlorobutadiene
Concen: 58.528 ng
RT: 8.322 min Scan# 1059
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:225 Resp: 267627

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.0	75.0
227	63.9	51.4	77.2



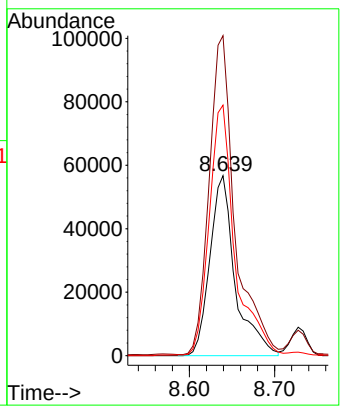


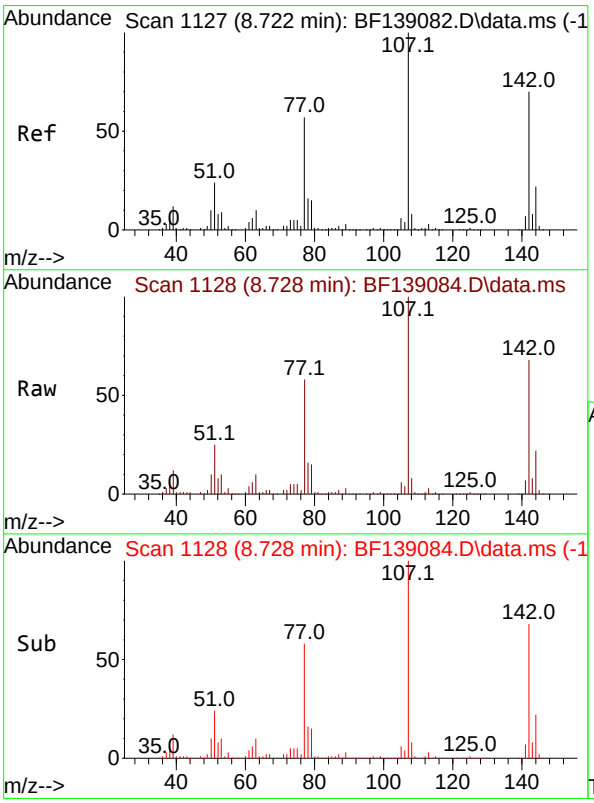
#35
Caprolactam
Concen: 61.896 ng
RT: 8.639 min Scan# 11
Delta R.T. 0.017 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 117296

Ion	Ratio	Lower	Upper
113	100		
55	177.8	158.6	198.6
56	139.2	115.9	155.9

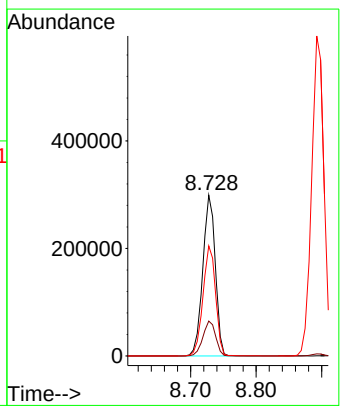


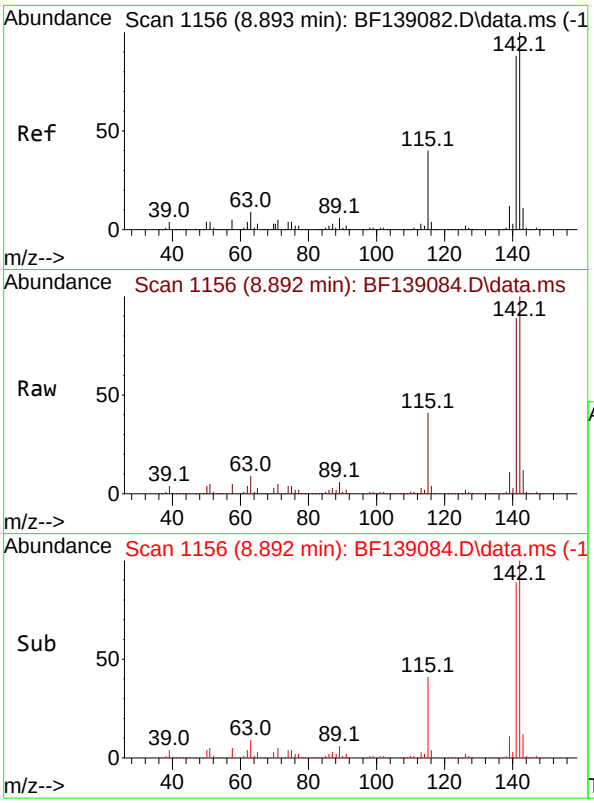


#36
4-Chloro-3-methylphenol
Concen: 60.448 ng
RT: 8.728 min Scan# 1128
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:107 Resp: 400116

Ion	Ratio	Lower	Upper
107	100		
144	21.7	17.7	26.5
142	68.4	55.6	83.4



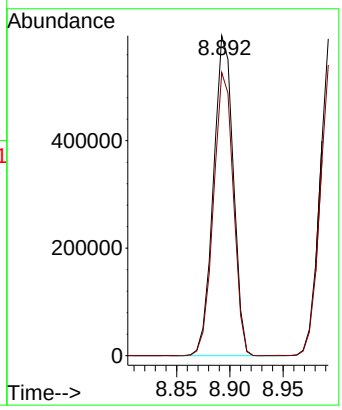


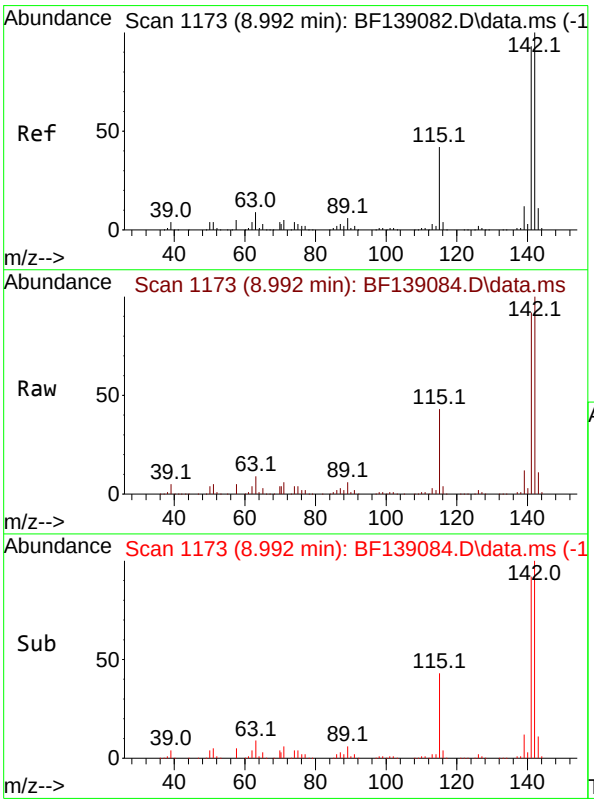
#37
2-Methylnaphthalene
Concen: 57.159 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 770749

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.6	105.8

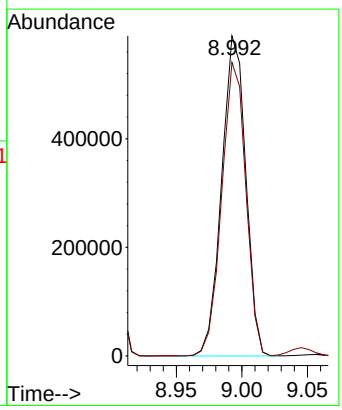


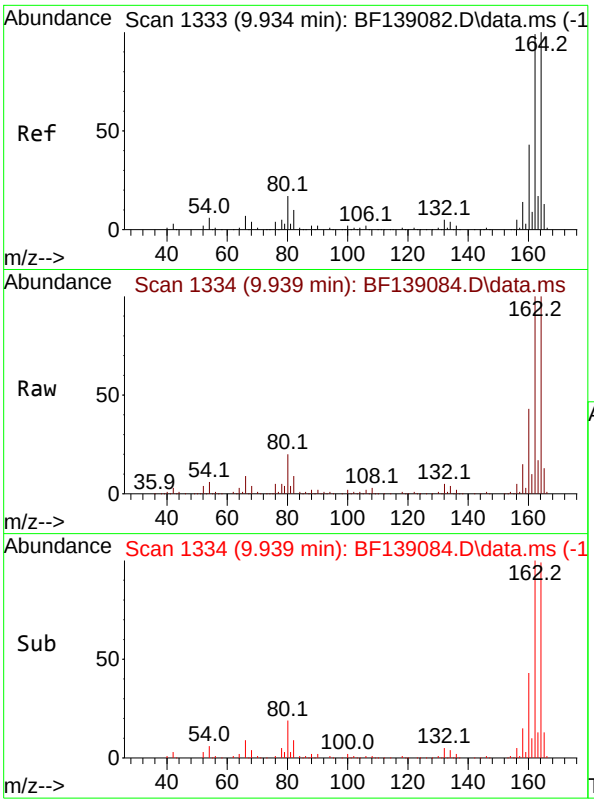


#38
1-Methylnaphthalene
Concen: 57.945 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:142 Resp: 754101

Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.1	111.1



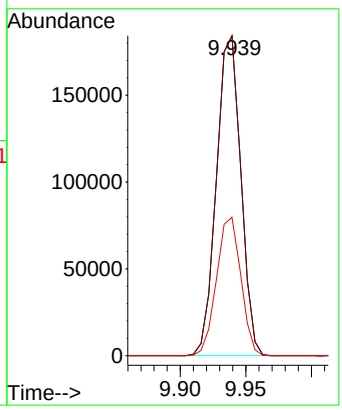


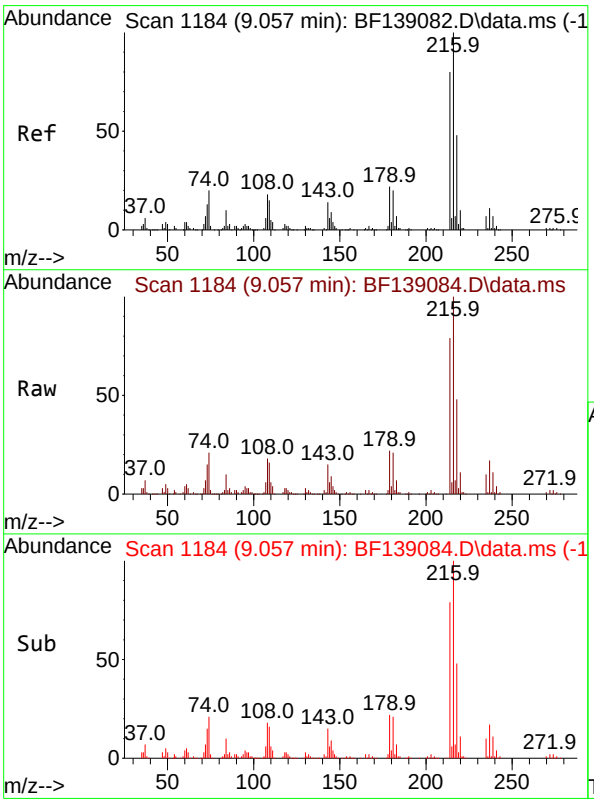
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 238087

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.5	119.3
160	43.3	34.5	51.7

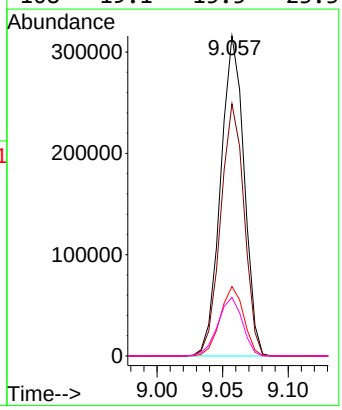


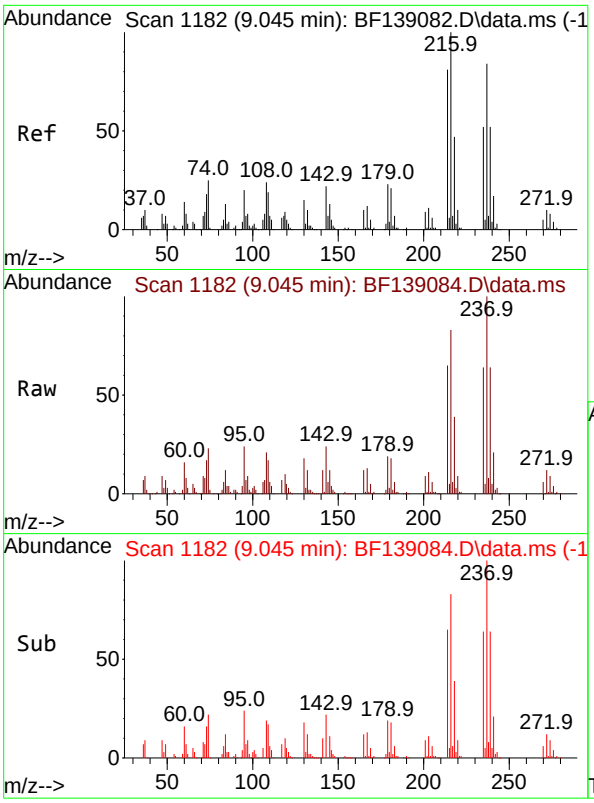


#40
1,2,4,5-Tetrachlorobenzene
Concen: 61.546 ng
RT: 9.057 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:216 Resp: 393492

Ion	Ratio	Lower	Upper
216	100		
214	78.7	64.2	96.2
179	21.7	17.4	26.2
108	19.1	15.5	23.3



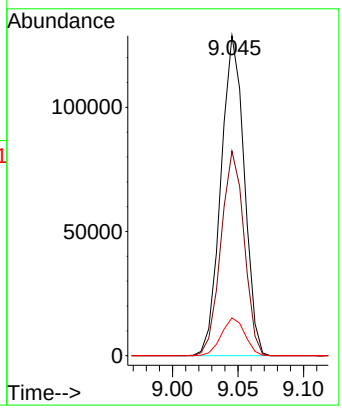


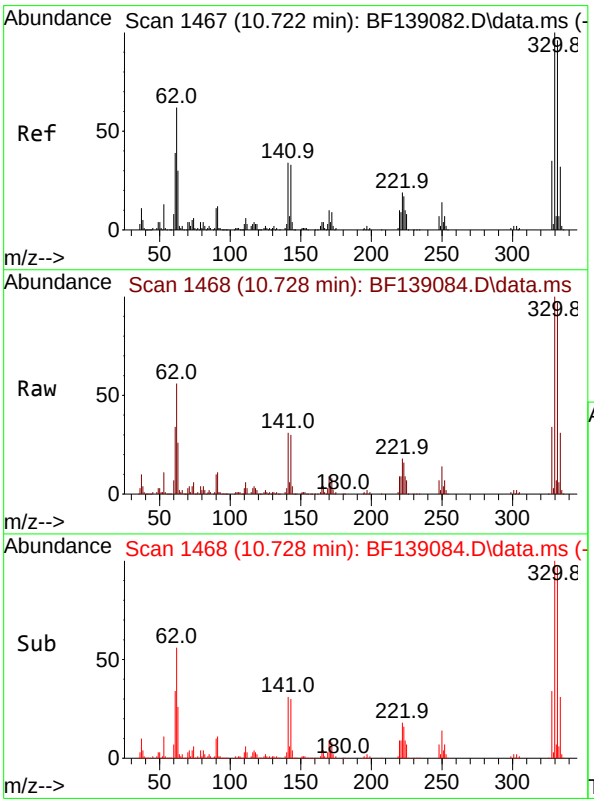
#41
Hexachlorocyclopentadiene
Concen: 63.503 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 159087

Ion	Ratio	Lower	Upper
237	100		
235	64.0	42.5	82.5
272	11.8	0.0	32.0

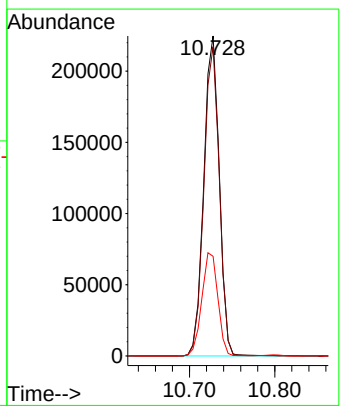


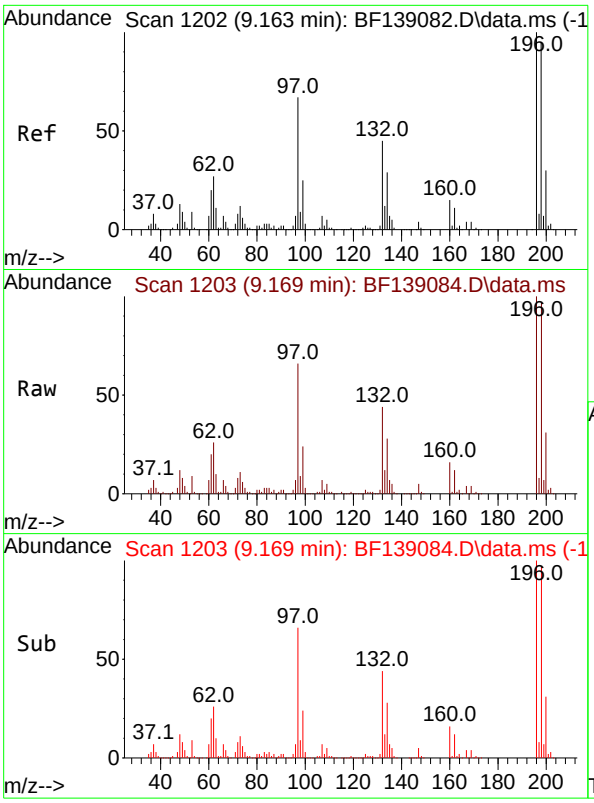


#42
2,4,6-Tribromophenol
Concen: 131.627 ng
RT: 10.728 min Scan# 1468
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:330 Resp: 283705

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	33.4	27.5	41.3



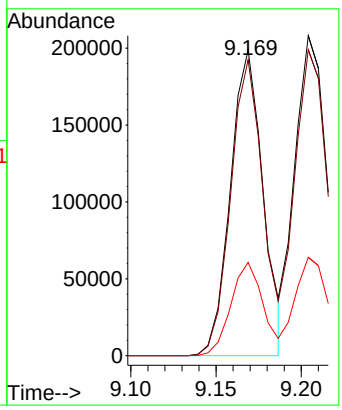


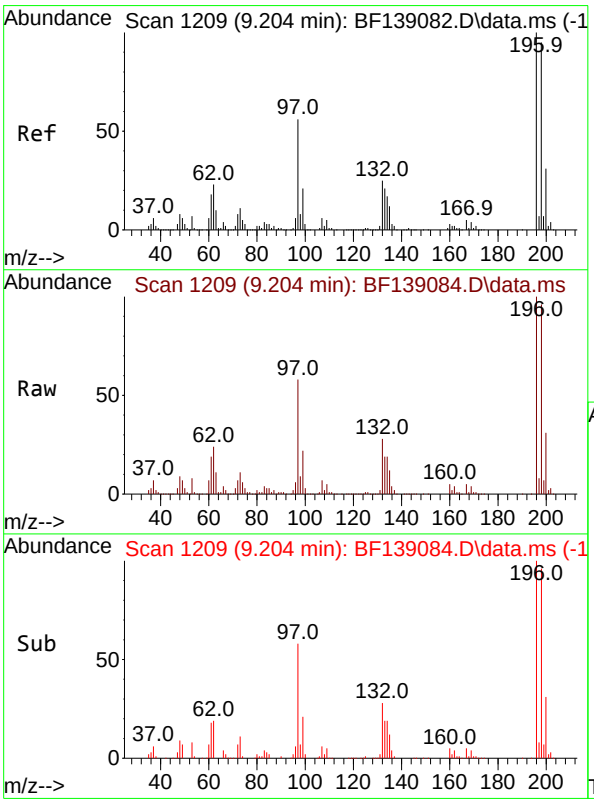
#43
2,4,6-Trichlorophenol
Concen: 60.084 ng
RT: 9.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 264292

Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.4	114.6
200	30.5	23.8	35.8

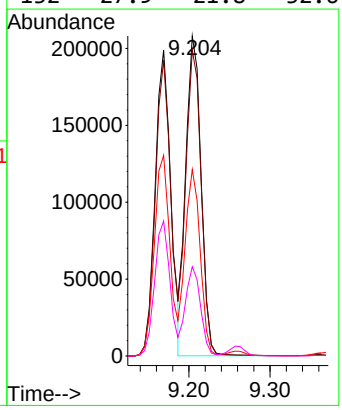


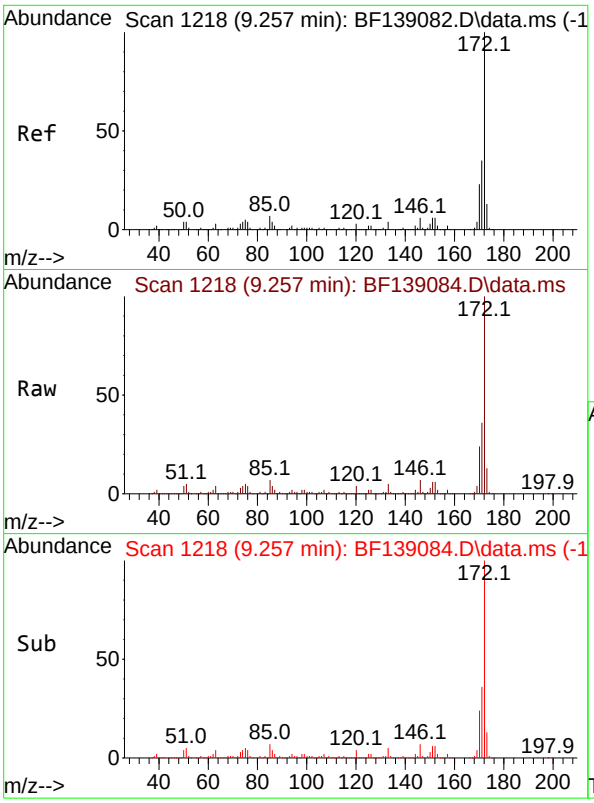


#44
2,4,5-Trichlorophenol
Concen: 60.514 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:196 Resp: 273227

Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.6	114.8
97	58.2	44.6	67.0
132	27.9	21.8	32.6



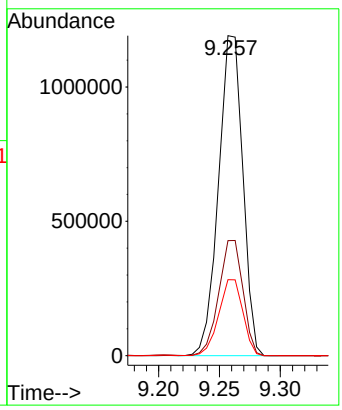


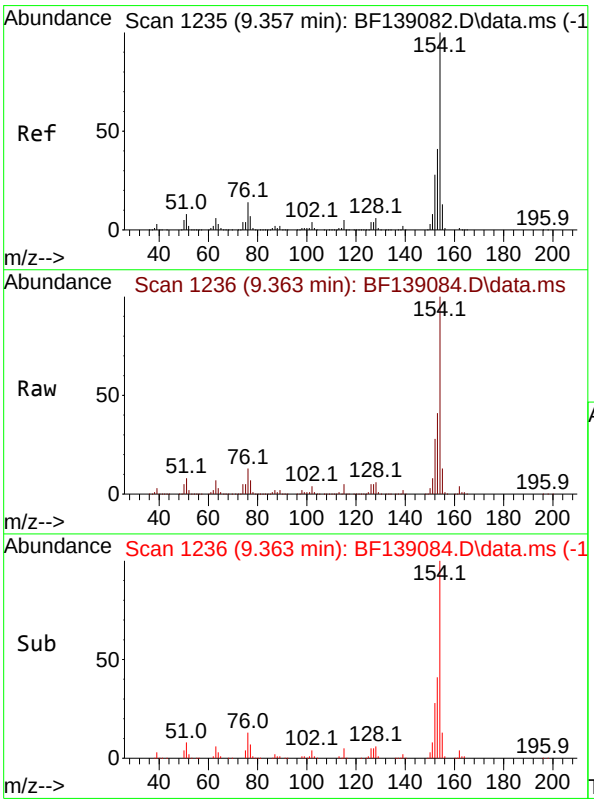
#45
2-Fluorobiphenyl
Concen: 110.315 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 1655383

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.4	42.6
170	23.7	18.8	28.2

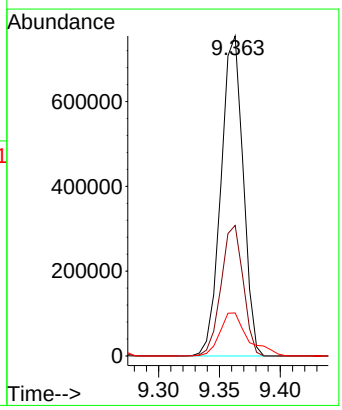


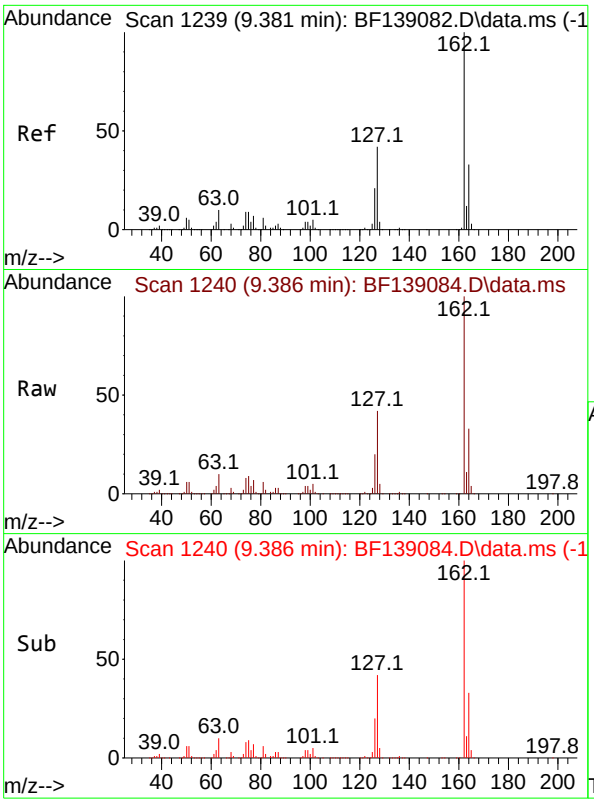


#46
1,1'-Biphenyl
Concen: 58.612 ng
RT: 9.363 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:154 Resp: 955936

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.6	60.6
76	13.5	0.0	33.6



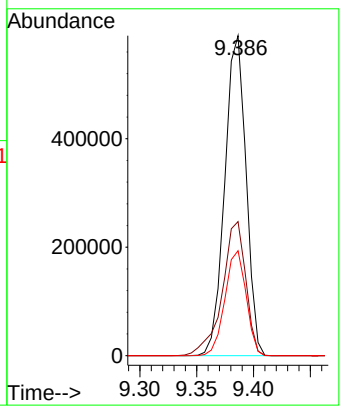


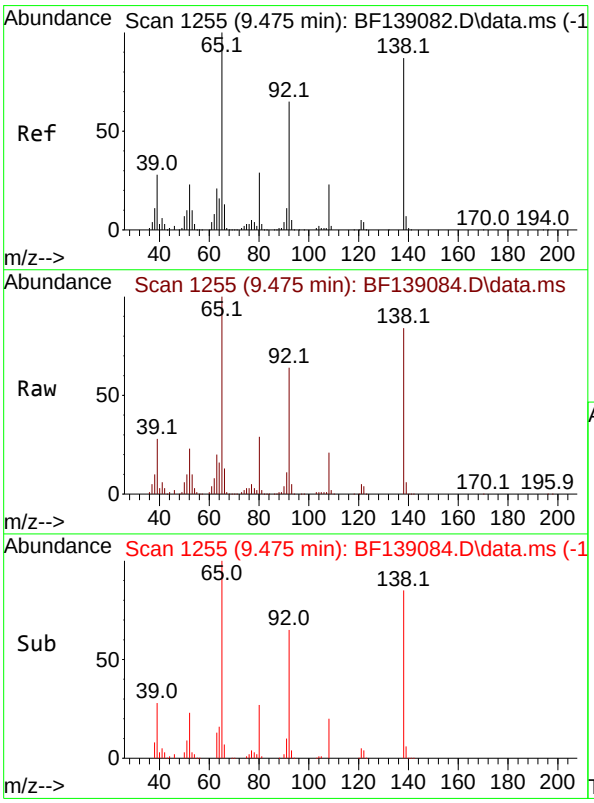
#47
2-Chloronaphthalene
Concen: 58.036 ng
RT: 9.386 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 769095

Ion	Ratio	Lower	Upper
162	100		
127	41.9	33.8	50.6
164	32.8	26.3	39.5

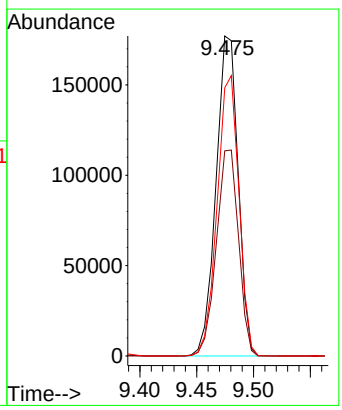


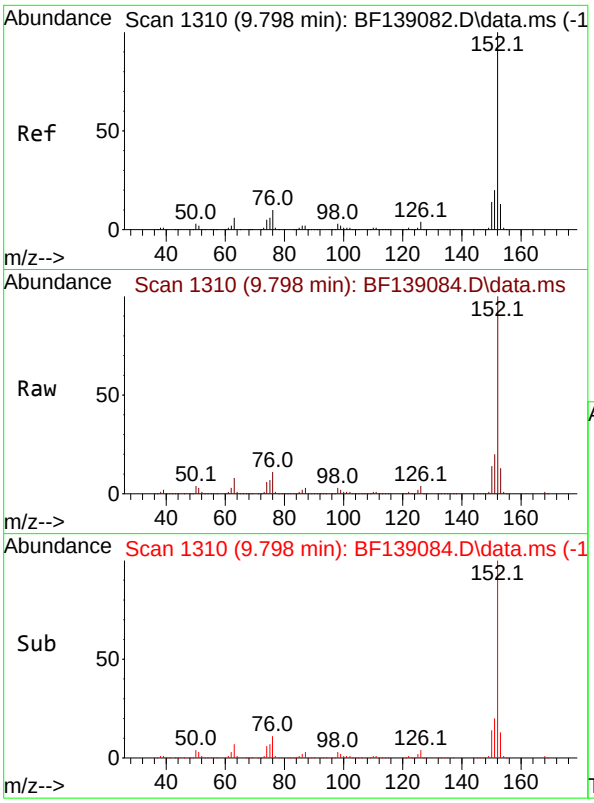


#48
2-Nitroaniline
Concen: 61.293 ng
RT: 9.475 min Scan# 1255
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 65 Resp: 239544

Ion	Ratio	Lower	Upper
65	100		
92	64.1	52.4	78.6
138	83.8	69.4	104.0



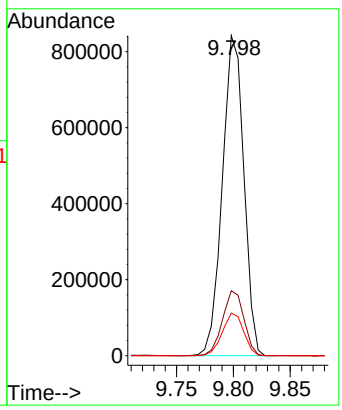


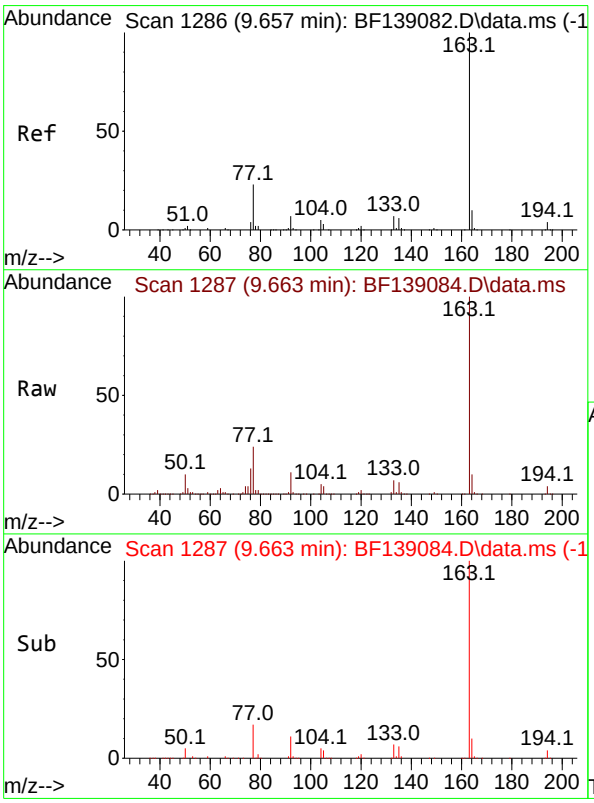
#49
Acenaphthylene
Concen: 58.342 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 1107542

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.3	10.6	15.8

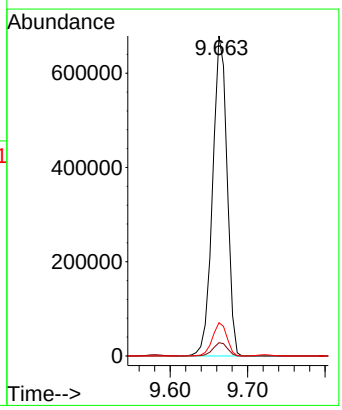


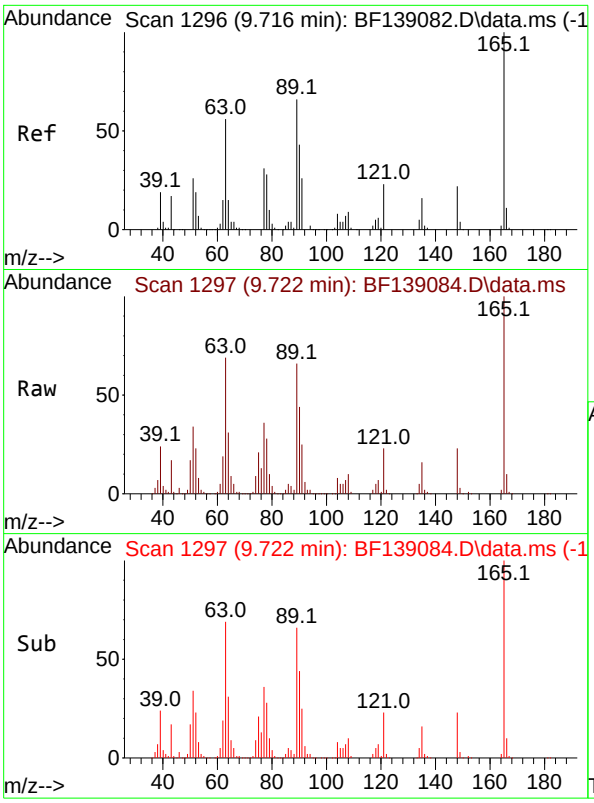


#50
Dimethylphthalate
Concen: 59.661 ng
RT: 9.663 min Scan# 1287
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:163 Resp: 876931

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.4	8.2	12.2



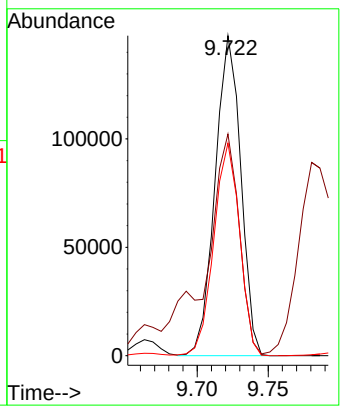


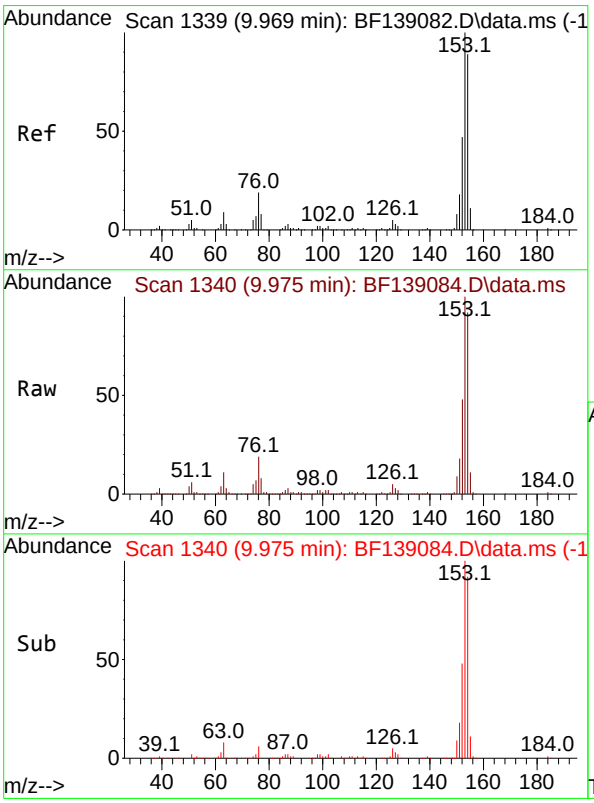
#51
2,6-Dinitrotoluene
Concen: 61.494 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 185432

Ion	Ratio	Lower	Upper
165	100		
63	69.3	58.0	87.0
89	66.4	53.3	79.9

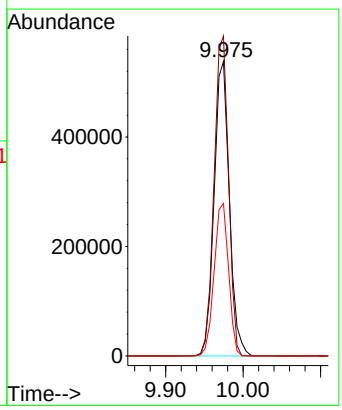


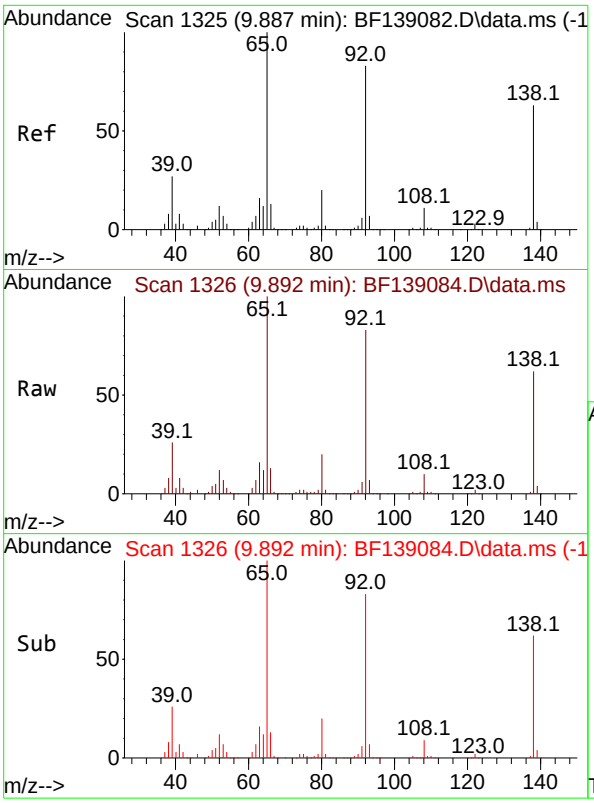


#52
Acenaphthene
Concen: 58.779 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:154 Resp: 737080

Ion	Ratio	Lower	Upper
154	100		
153	108.7	89.7	134.5
152	51.8	42.3	63.5



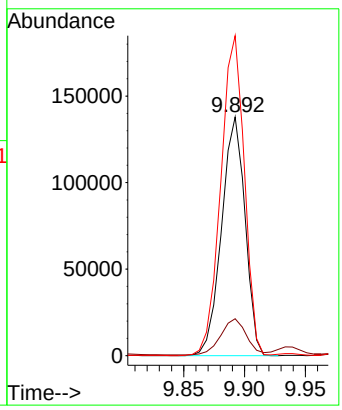


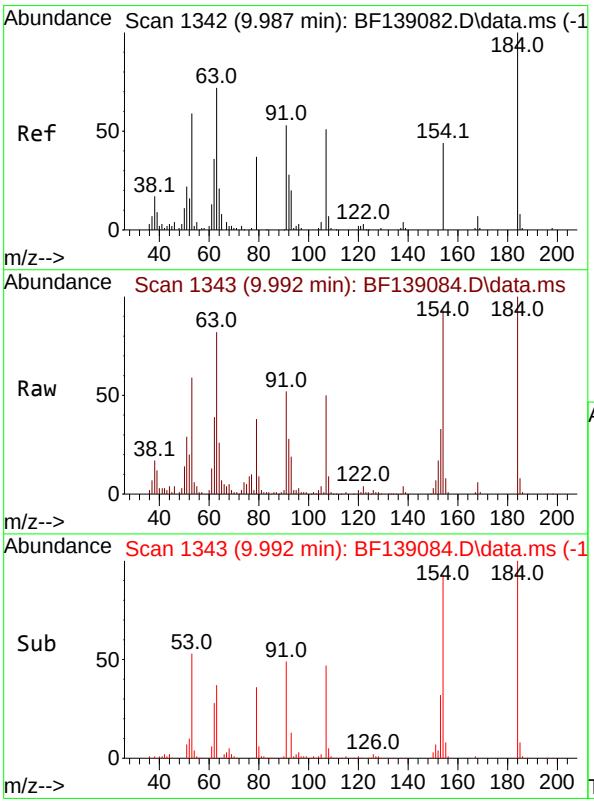
#53
3-Nitroaniline
Concen: 60.833 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 185121

Ion	Ratio	Lower	Upper
138	100		
108	15.5	14.6	21.8
92	134.1	105.9	158.9

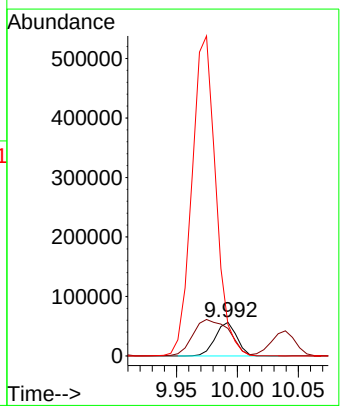


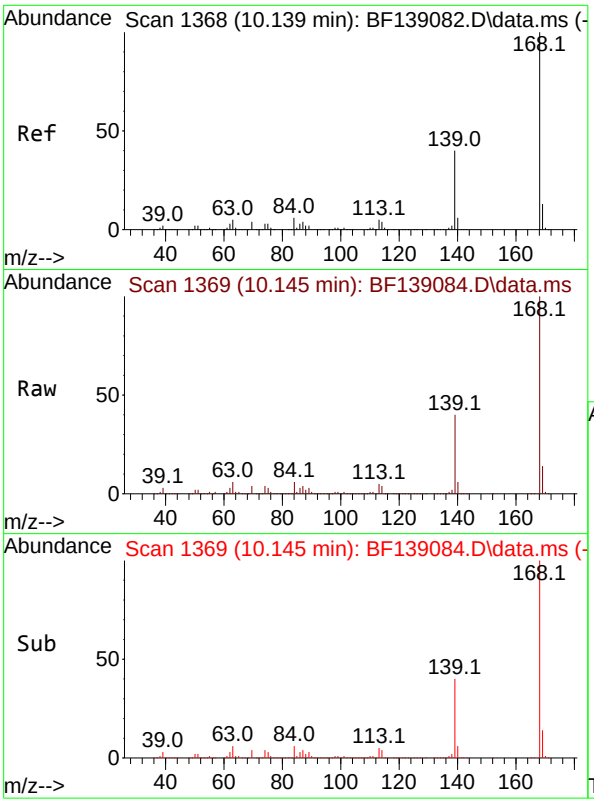


#54
2,4-Dinitrophenol
Concen: 62.322 ng
RT: 9.992 min Scan# 1343
Delta R.T. 0.005 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:184 Resp: 69592

Ion	Ratio	Lower	Upper
184	100		
63	81.5	70.5	105.7
154	93.3	135.0	202.6#



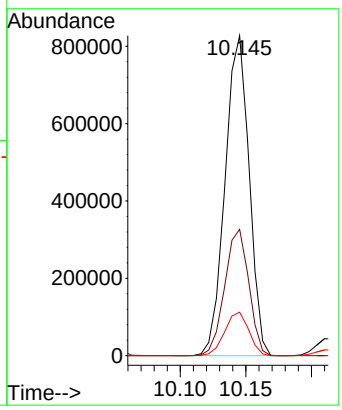


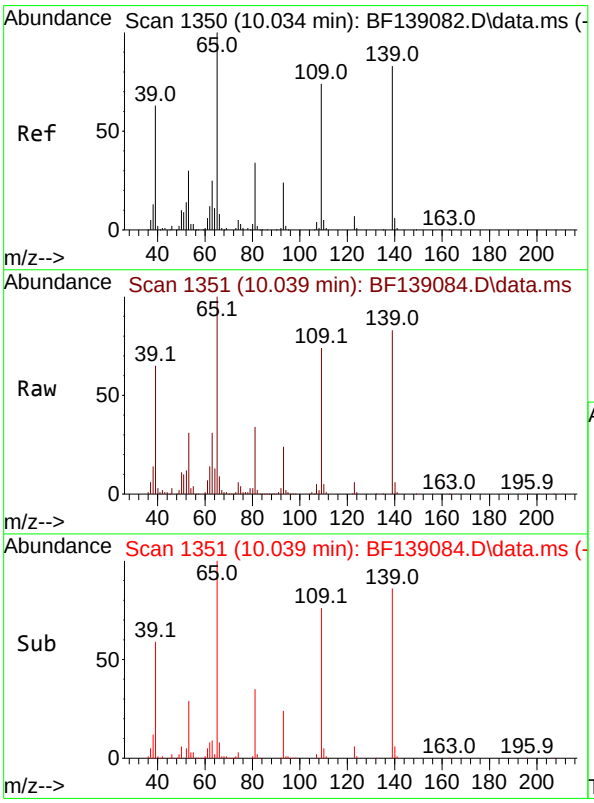
#55
Dibenzofuran
Concen: 57.960 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 1055676

Ion	Ratio	Lower	Upper
168	100		
139	39.5	31.6	47.4
169	13.6	10.7	16.1

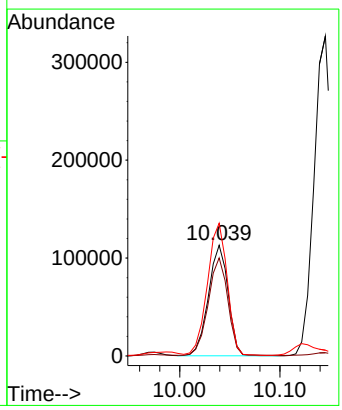


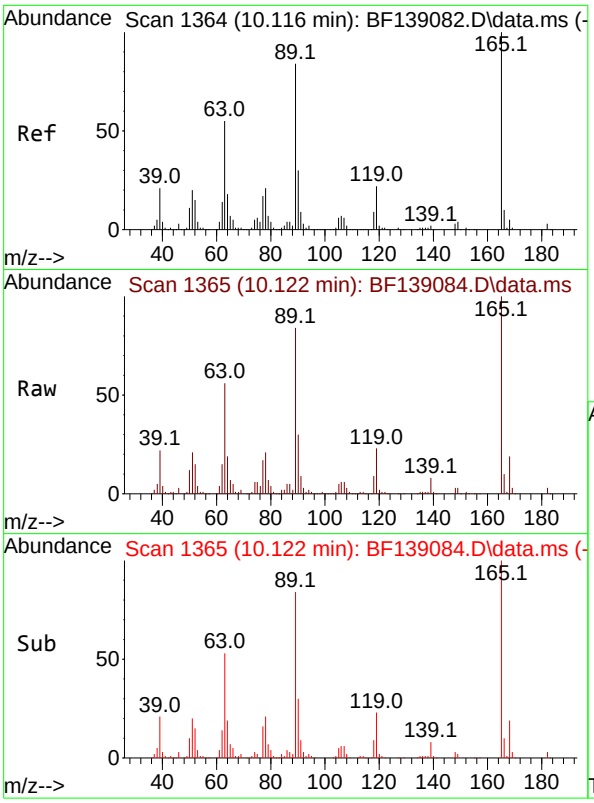


#56
4-Nitrophenol
Concen: 69.438 ng
RT: 10.039 min Scan# 1351
Delta R.T. 0.005 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:139 Resp: 154276

Ion	Ratio	Lower	Upper
139	100		
109	88.6	68.8	108.8
65	120.0	101.3	141.3



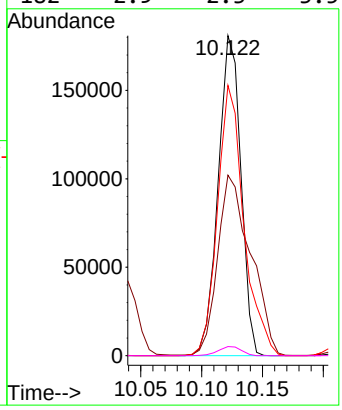


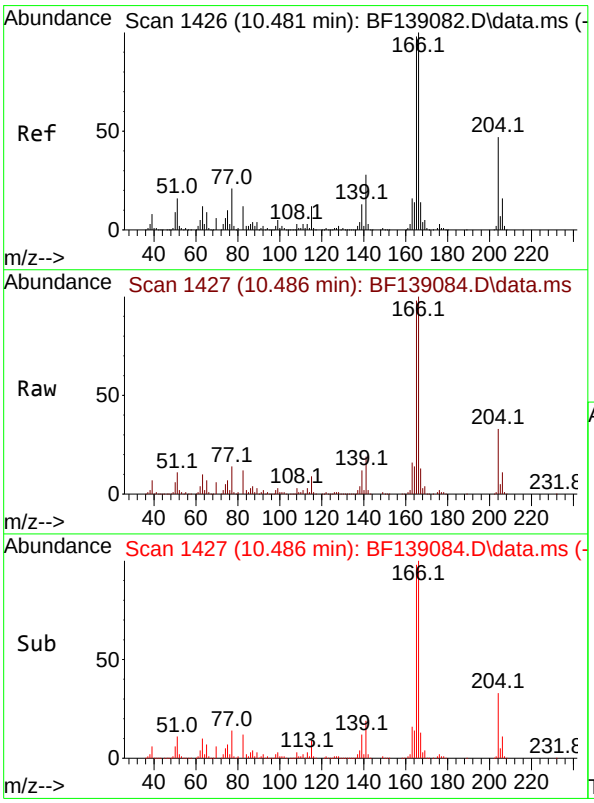
#57
2,4-Dinitrotoluene
Concen: 61.661 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 234505

Ion	Ratio	Lower	Upper
165	100		
63	56.4	44.2	66.4
89	84.5	67.4	101.2
182	2.9	2.3	3.5

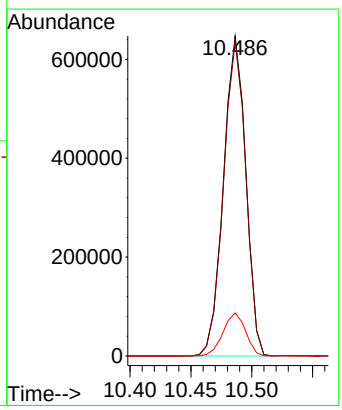


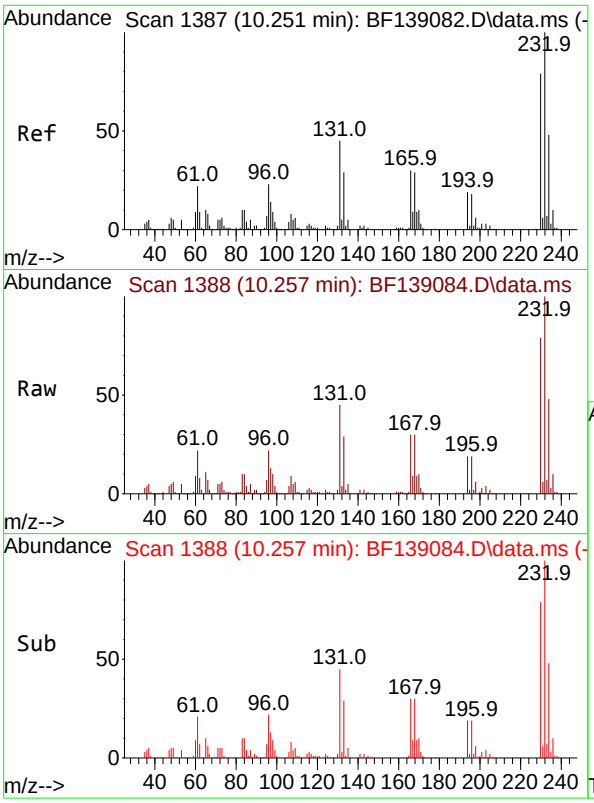


#58
Fluorene
Concen: 56.818 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:166 Resp: 827038

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.0	117.0
167	13.4	11.0	16.4



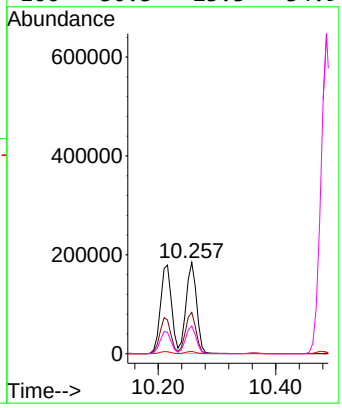


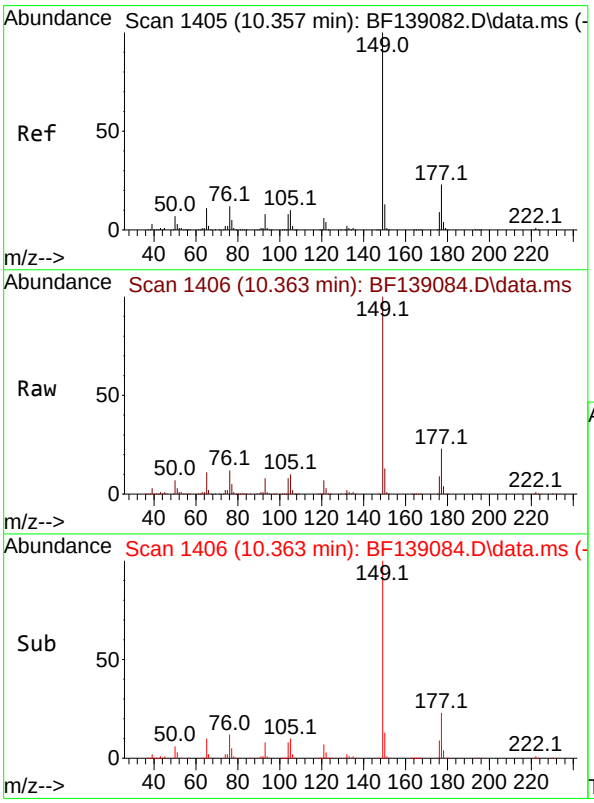
#59
2,3,4,6-Tetrachlorophenol
Concen: 63.585 ng
RT: 10.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 230511

Ion	Ratio	Lower	Upper
232	100		
131	44.7	36.0	54.0
130	2.4	2.0	3.0
166	30.3	23.3	34.9

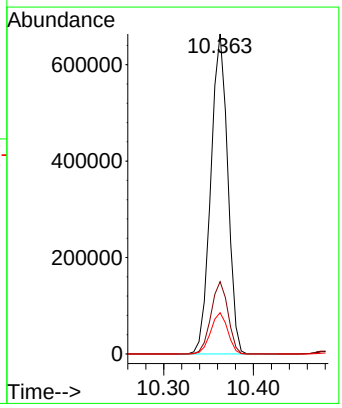


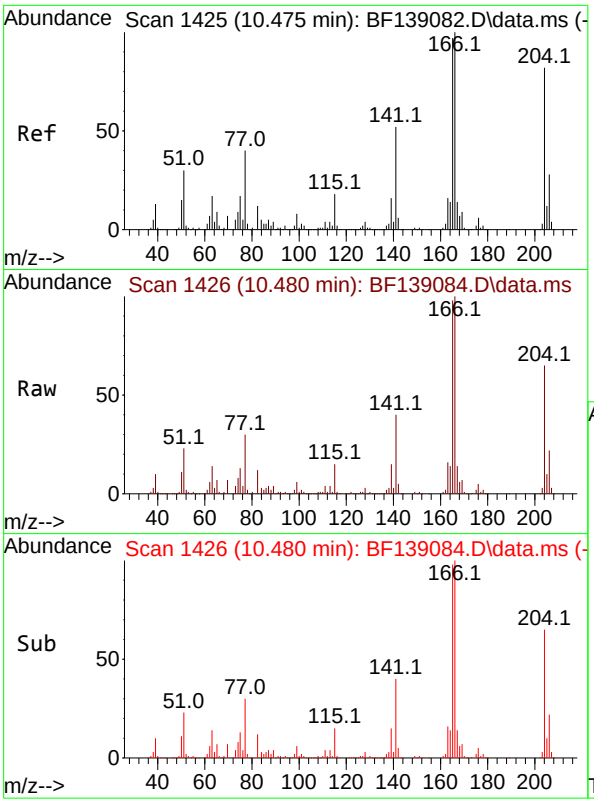


#60
Diethylphthalate
Concen: 59.695 ng
RT: 10.363 min Scan# 1406
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:149 Resp: 869390

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.4	27.6
150	12.9	10.2	15.2



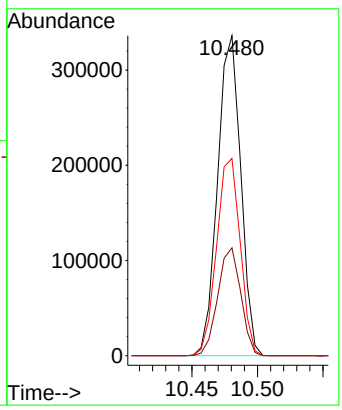


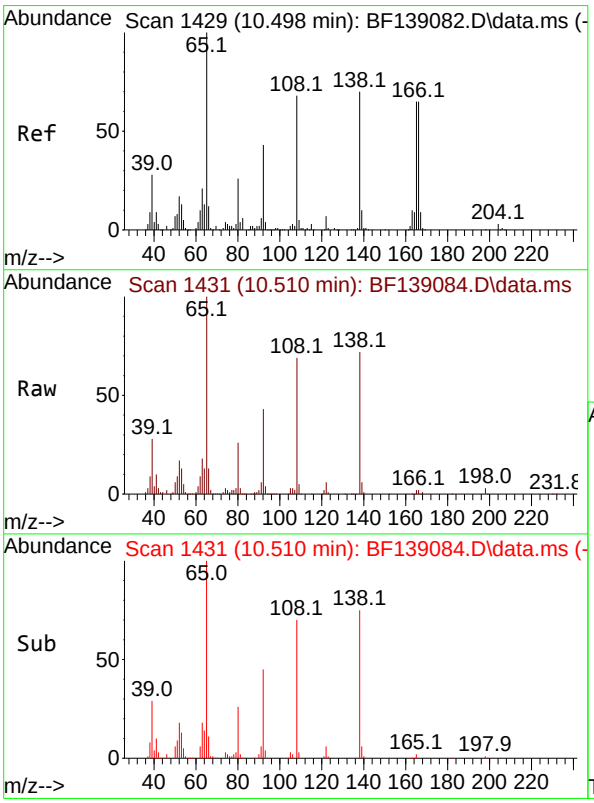
#61
4-Chlorophenyl-phenylether
Concen: 56.677 ng
RT: 10.480 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 412033

Ion	Ratio	Lower	Upper
204	100		
206	33.7	27.0	40.4
141	61.7	50.9	76.3

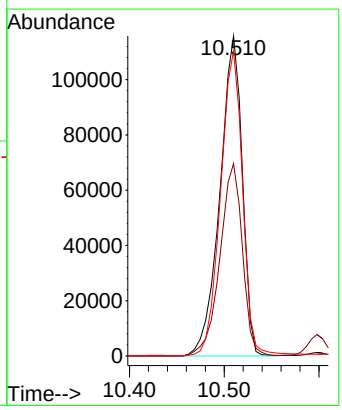


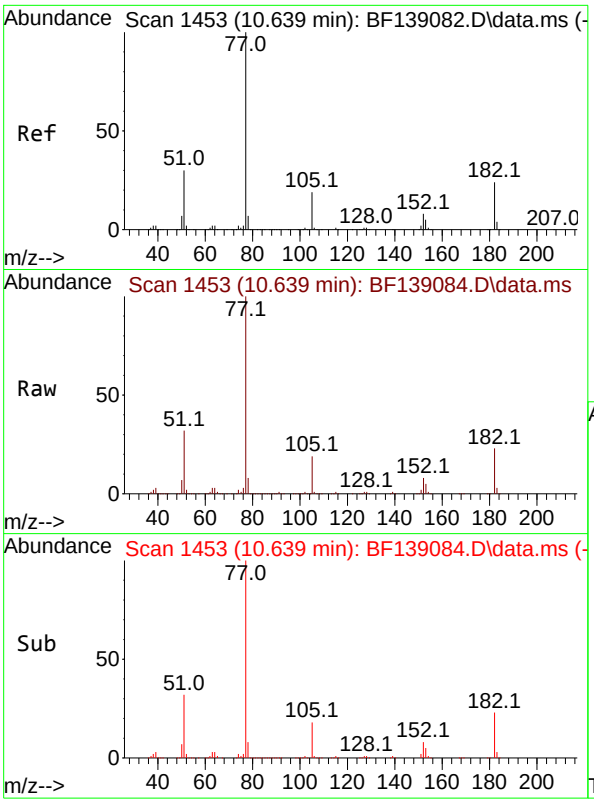


#62
4-Nitroaniline
Concen: 61.824 ng
RT: 10.510 min Scan# 1431
Delta R.T. 0.012 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:138 Resp: 190012

Ion	Ratio	Lower	Upper
138	100		
92	60.1	41.4	81.4
108	95.3	76.8	116.8



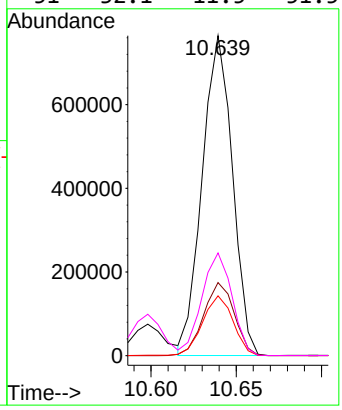


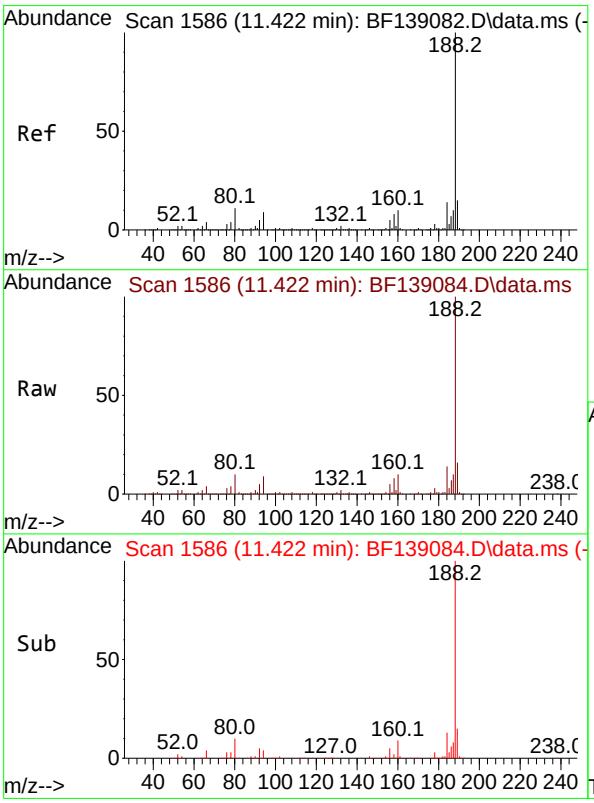
#63
Azobenzene
Concen: 58.350 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 944357

Ion	Ratio	Lower	Upper
77	100		
182	22.8	4.0	44.0
105	18.7	0.0	39.1
51	32.1	11.5	51.5

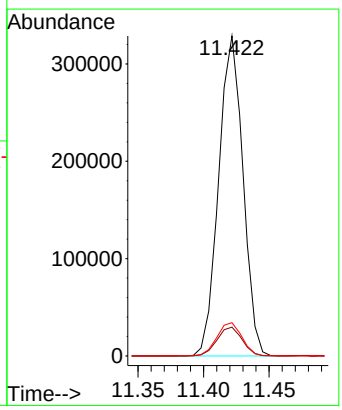


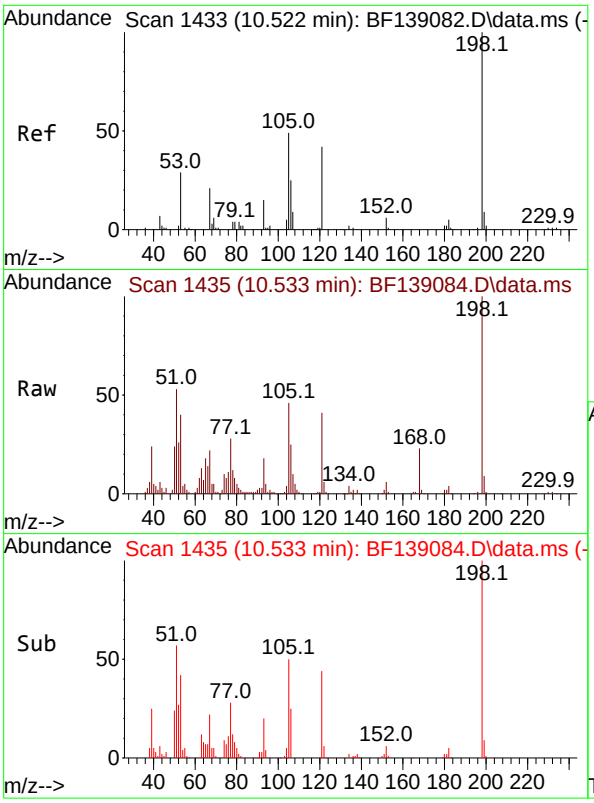


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:188 Resp: 424289

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	10.4	8.5	12.7



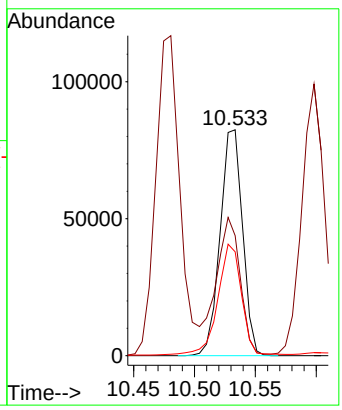


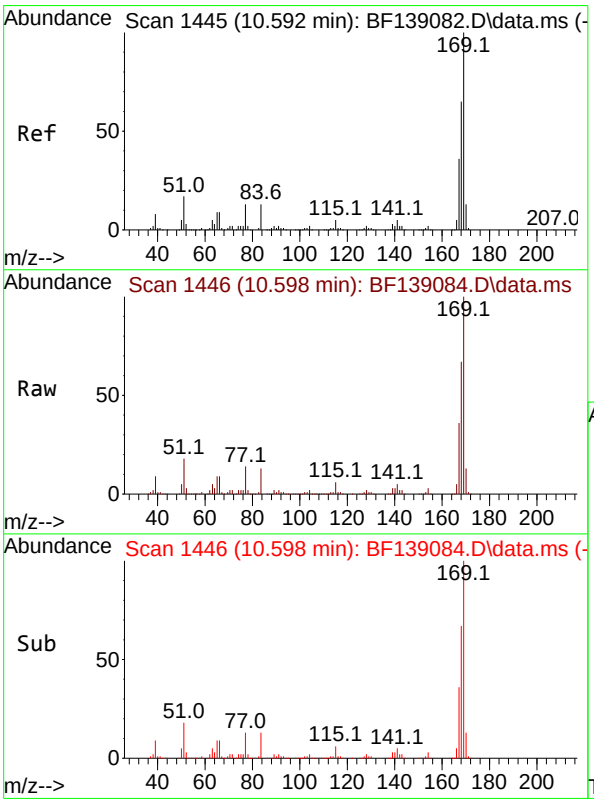
#65
4,6-Dinitro-2-methylphenol
Concen: 62.597 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.011 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 105631

Ion	Ratio	Lower	Upper
198	100		
51	53.1	40.8	80.8
105	45.9	30.9	70.9

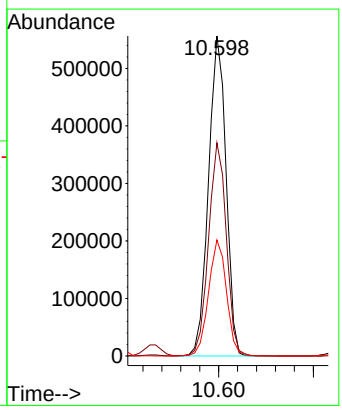


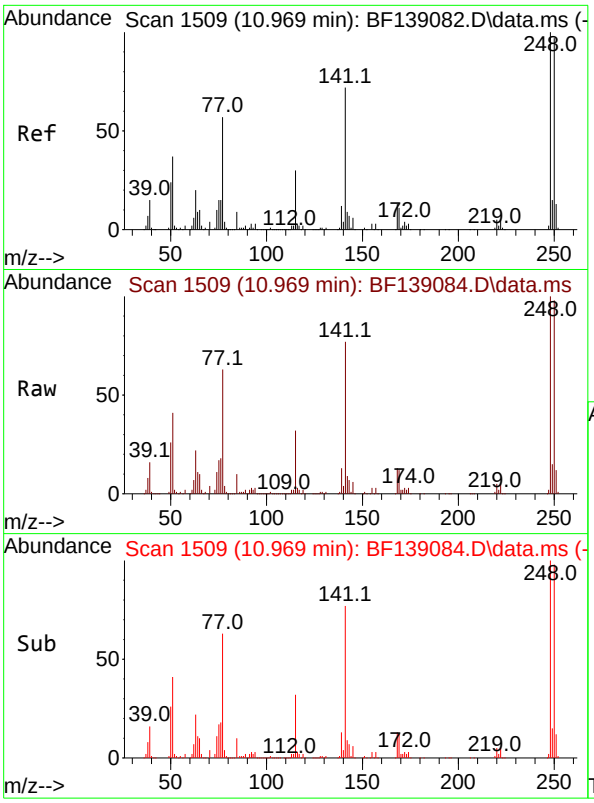


#66
n-Nitrosodiphenylamine
Concen: 56.888 ng
RT: 10.598 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:169 Resp: 714187

Ion	Ratio	Lower	Upper
169	100		
168	66.6	52.4	78.6
167	36.3	28.6	43.0



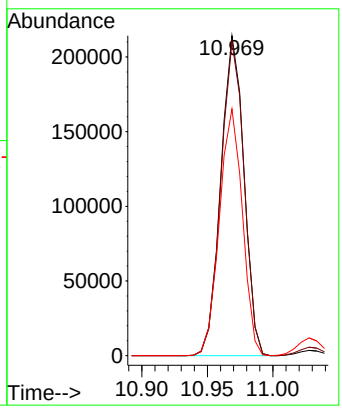


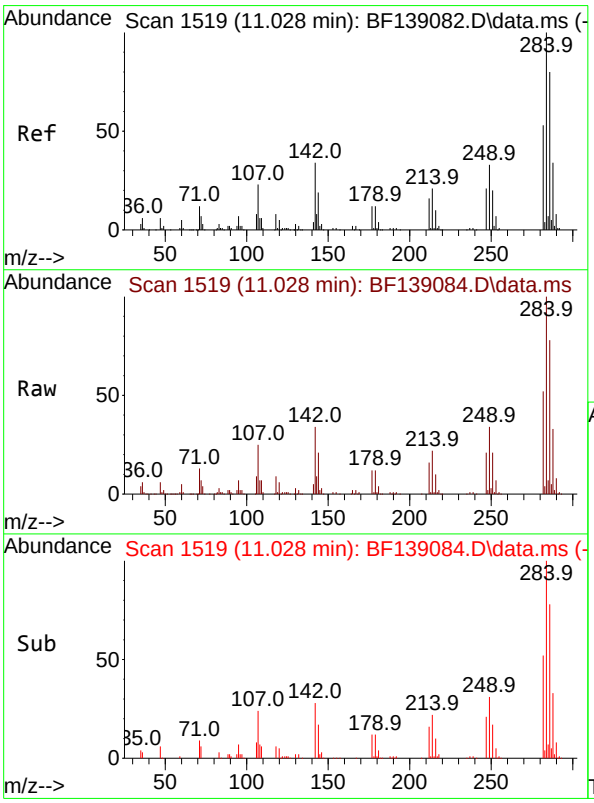
#67
4-Bromophenyl-phenylether
Concen: 58.490 ng
RT: 10.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 262967

Ion	Ratio	Lower	Upper
248	100		
250	98.1	77.8	116.8
141	77.1	57.9	86.9

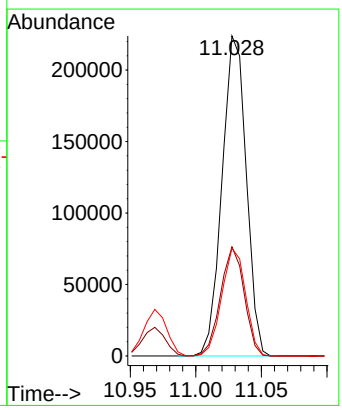


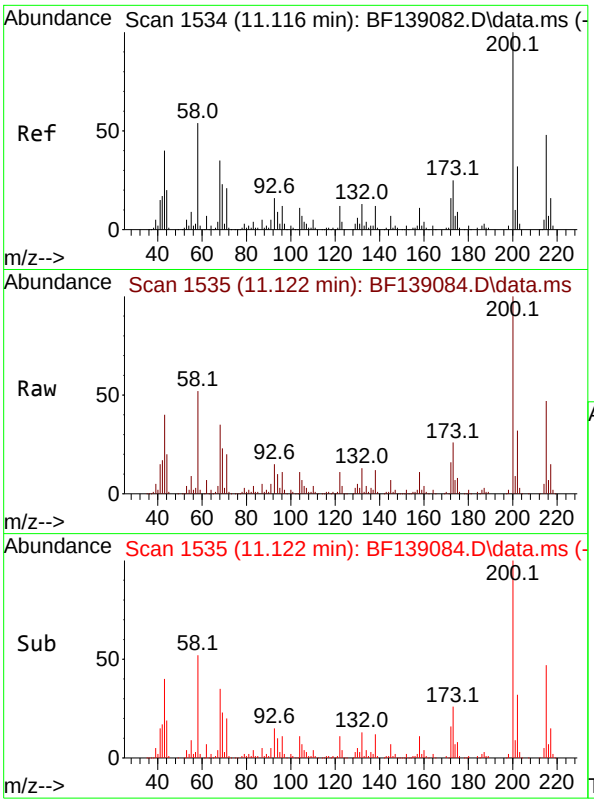


#68
Hexachlorobenzene
Concen: 59.547 ng
RT: 11.028 min Scan# 1519
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:284 Resp: 287218

Ion	Ratio	Lower	Upper
284	100		
142	34.1	27.1	40.7
249	33.6	26.8	40.2



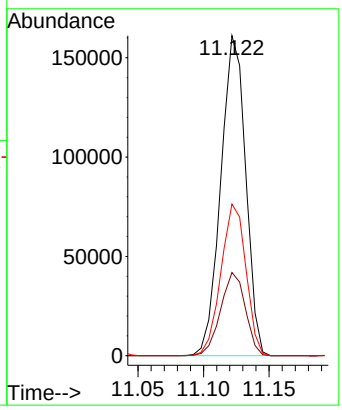


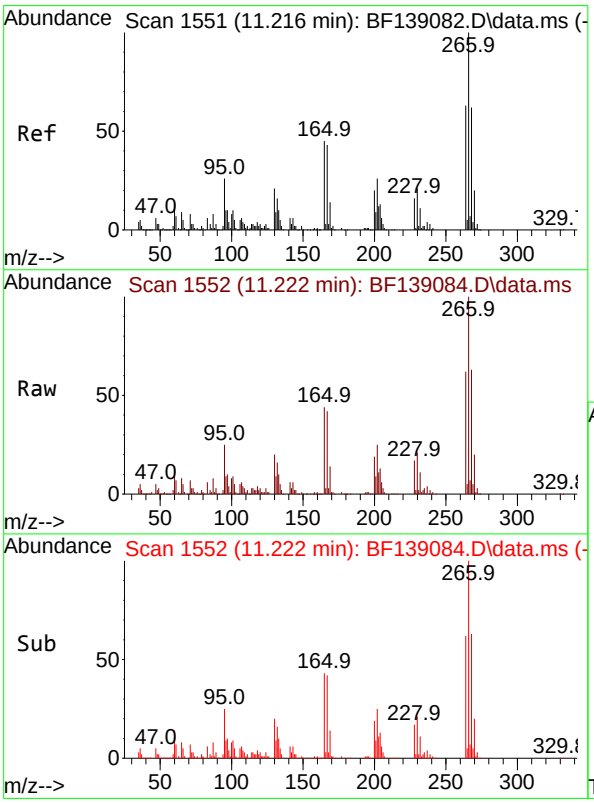
#69
Atrazine
Concen: 55.426 ng
RT: 11.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 212515

Ion	Ratio	Lower	Upper
200	100		
173	26.0	5.2	45.2
215	47.4	27.9	67.9

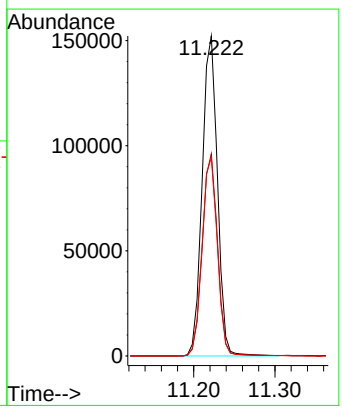


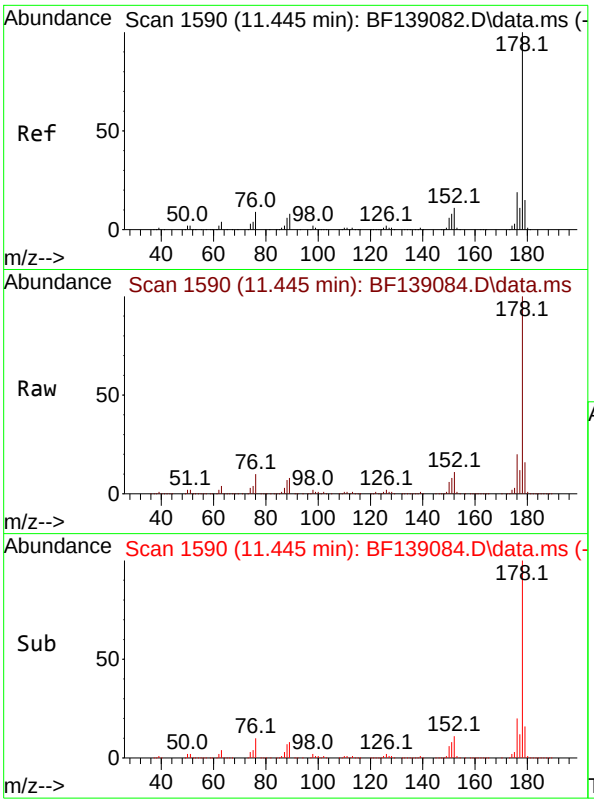


#70
Pentachlorophenol
Concen: 64.347 ng
RT: 11.222 min Scan# 1552
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:266 Resp: 198256

Ion	Ratio	Lower	Upper
266	100		
268	63.2	49.5	74.3
264	62.0	50.0	75.0



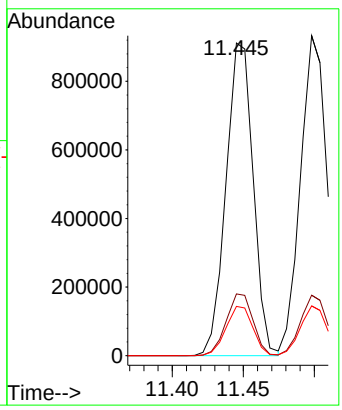


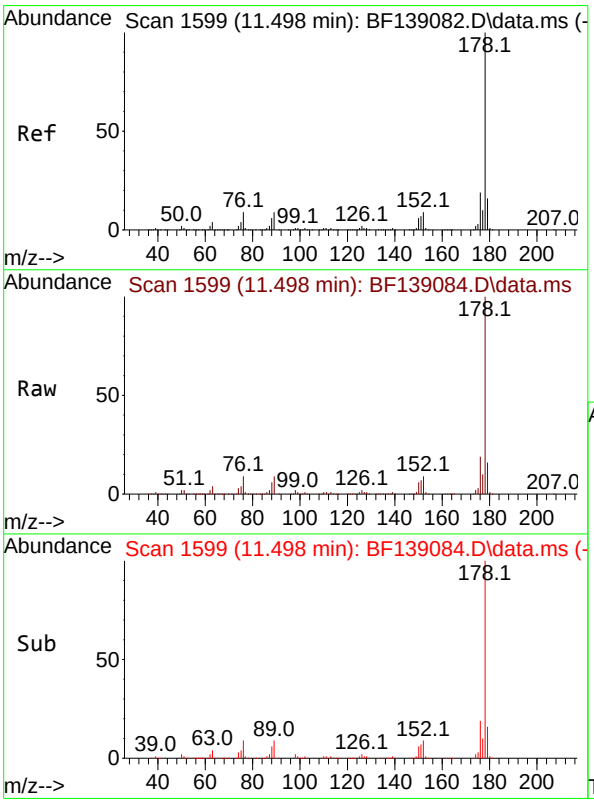
#71
Phenanthrene
Concen: 56.300 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 1214149

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	15.8	12.3	18.5

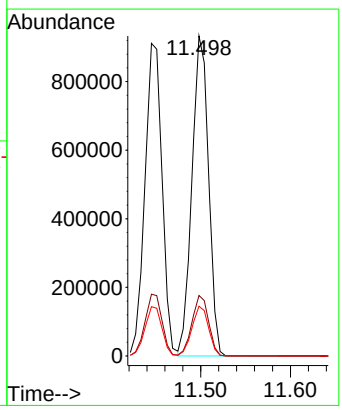


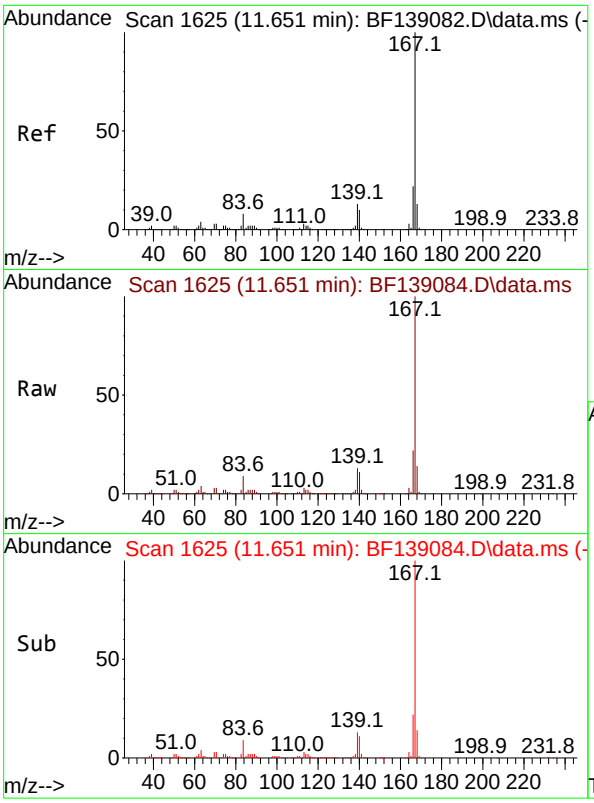


#72
Anthracene
Concen: 56.781 ng
RT: 11.498 min Scan# 1599
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:178 Resp: 1197552

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.6	12.4	18.6



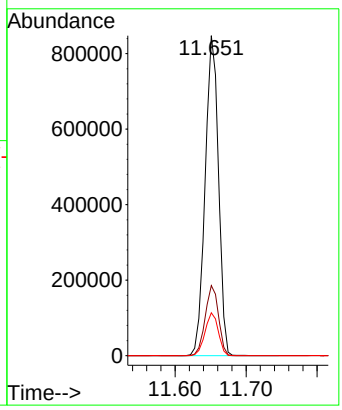


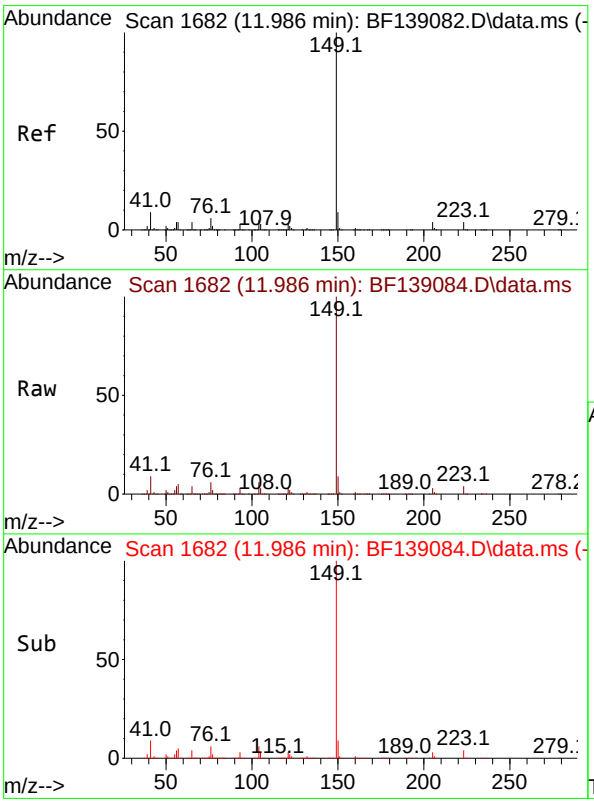
#73
Carbazole
Concen: 56.342 ng
RT: 11.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 1109602

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.3	25.9
139	13.4	10.5	15.7

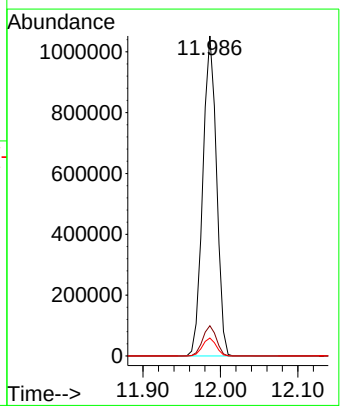


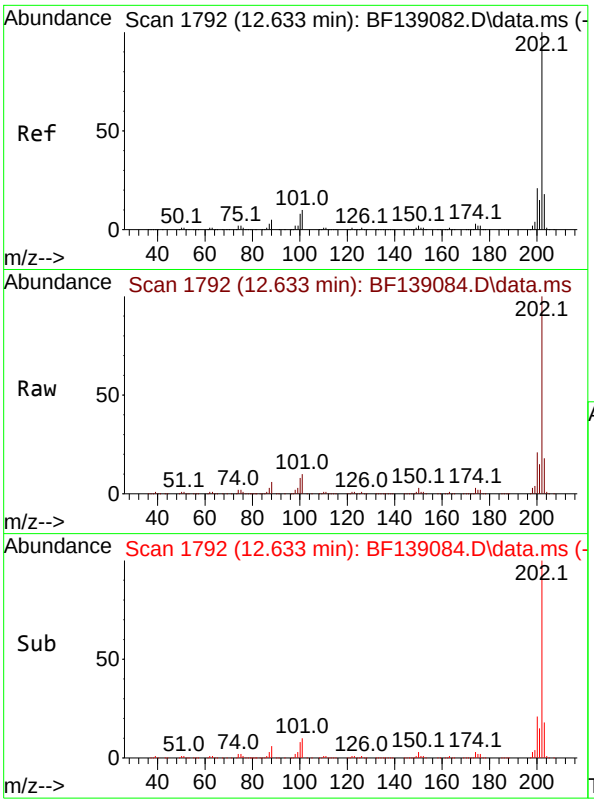


#74
Di-n-butylphthalate
Concen: 56.547 ng
RT: 11.986 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:149 Resp: 1291288

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.6	4.3	6.5



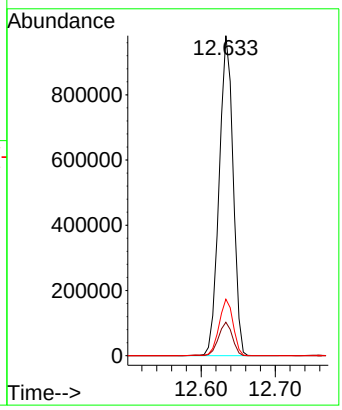


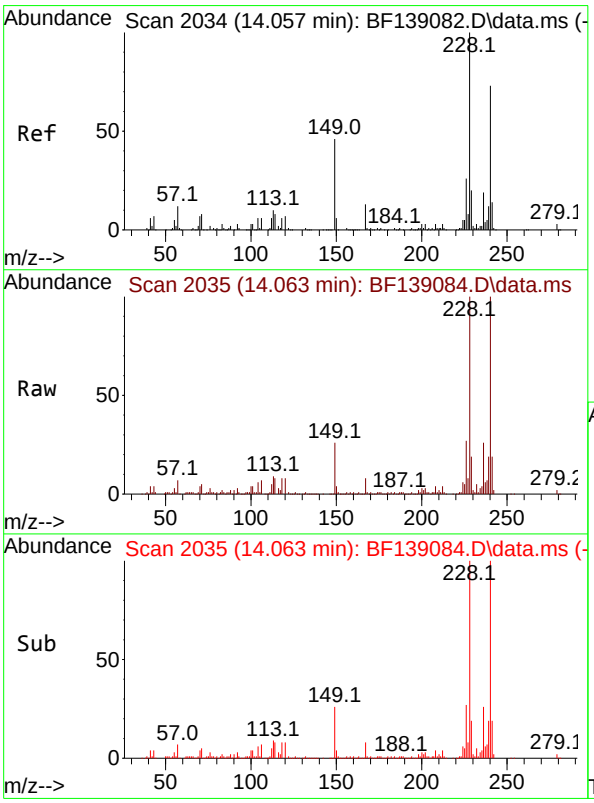
#75
Fluoranthene
Concen: 55.906 ng
RT: 12.633 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 1286842

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.2
203	17.6	0.0	37.6

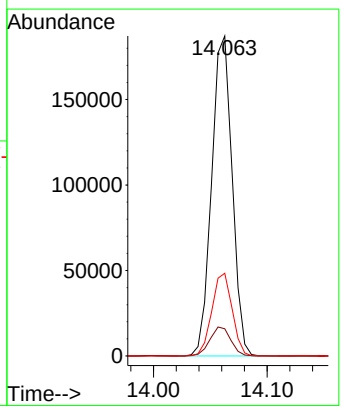


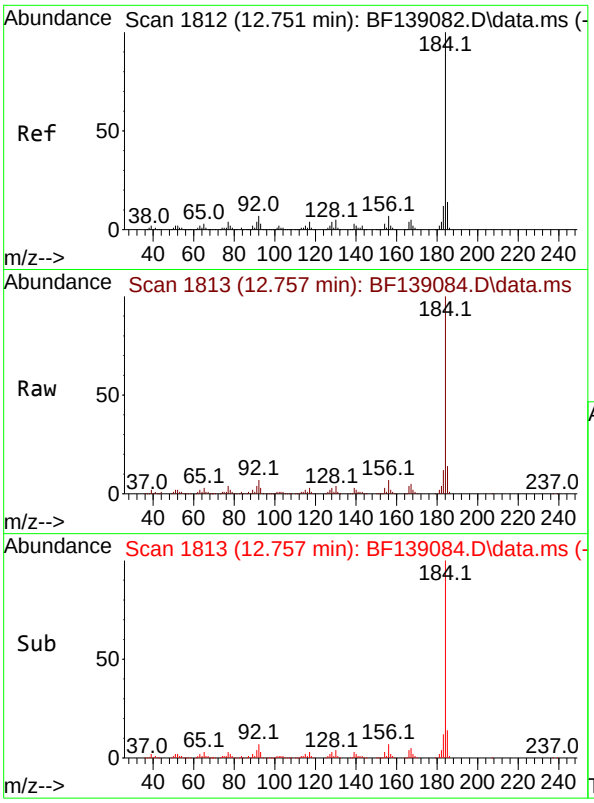


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:240 Resp: 234868

Ion	Ratio	Lower	Upper
240	100		
120	8.5	7.8	11.6
236	25.9	20.9	31.3



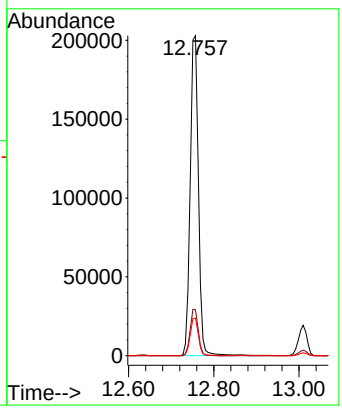


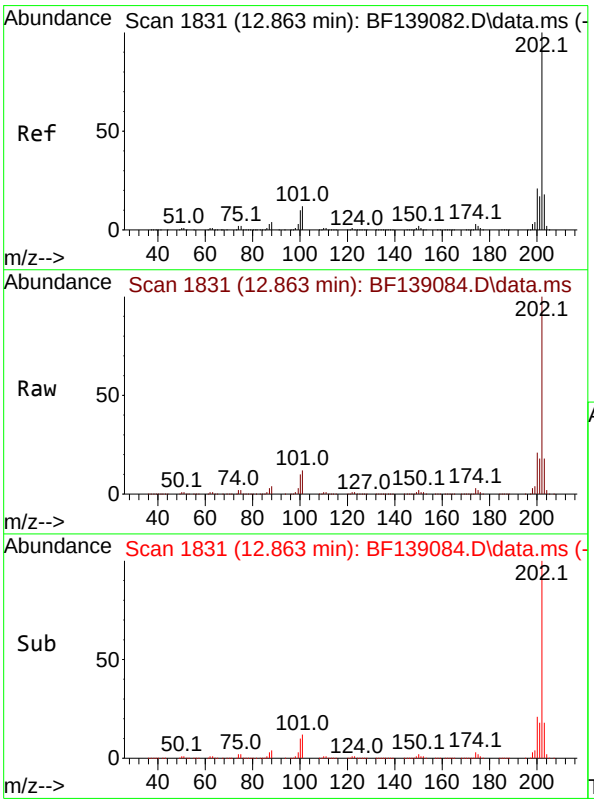
#77
Benzidine
Concen: 55.952 ng
RT: 12.757 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 271453

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.7	9.8	14.6

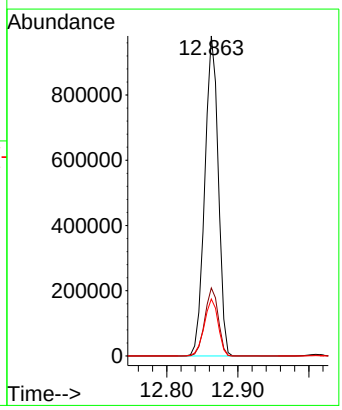


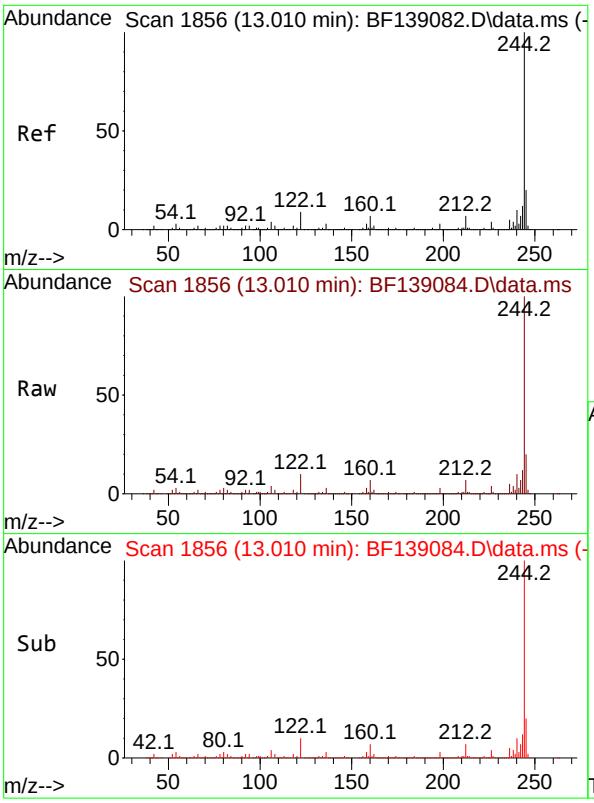


#78
Pyrene
Concen: 66.124 ng
RT: 12.863 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:202 Resp: 1296045

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	17.8	14.1	21.1



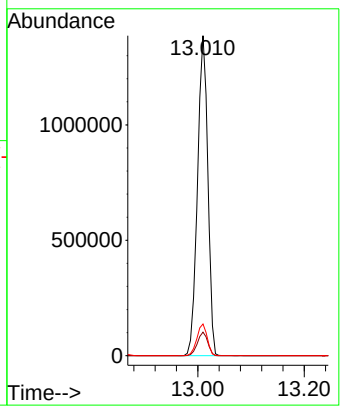


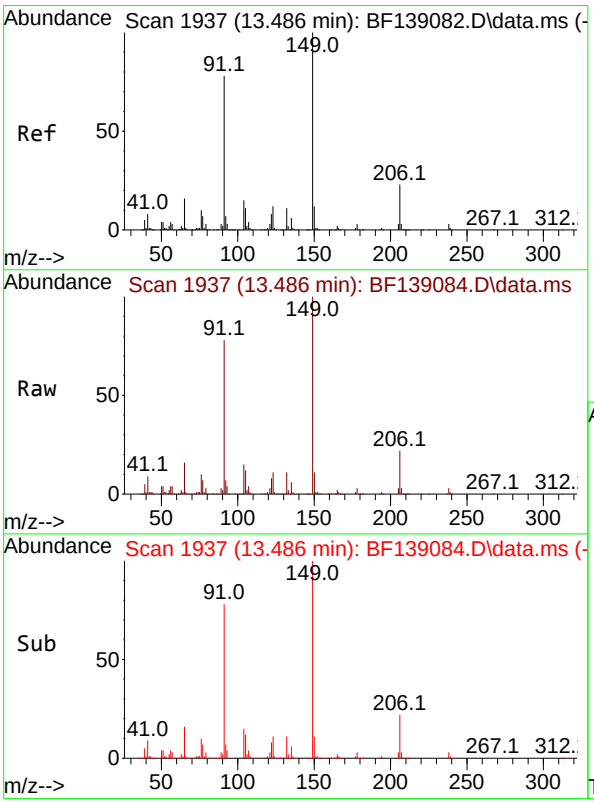
#79
Terphenyl-d14
Concen: 131.903 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 1867052

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.9	7.6	11.4

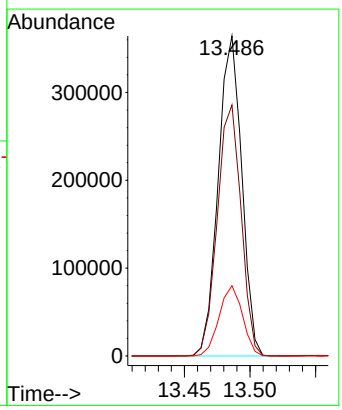


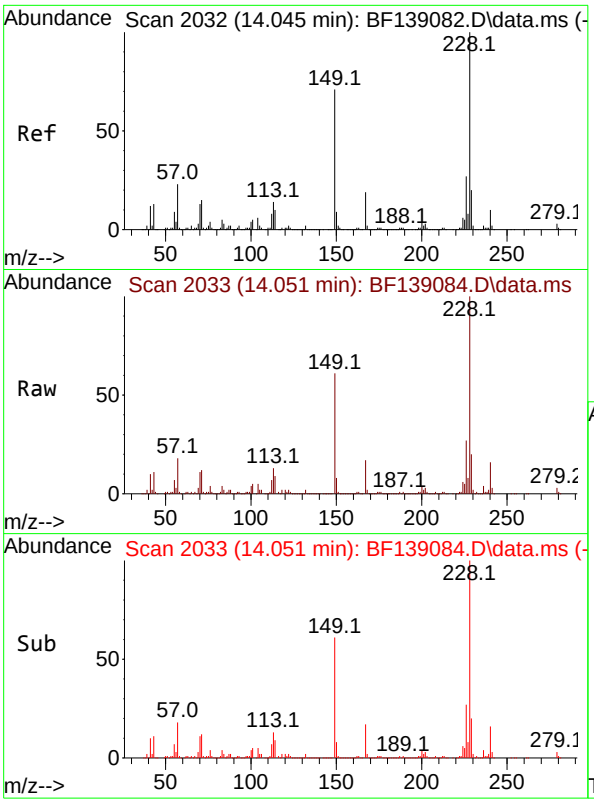


#80
Butylbenzylphthalate
Concen: 66.928 ng
RT: 13.486 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:149 Resp: 453833

Ion	Ratio	Lower	Upper
149	100		
91	78.5	62.1	93.1
206	22.0	18.0	27.0



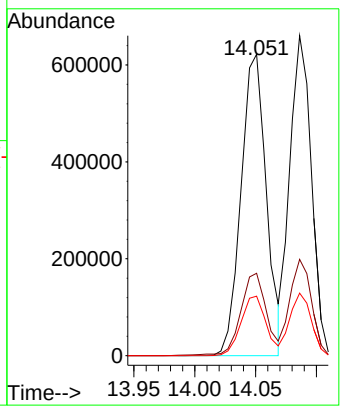


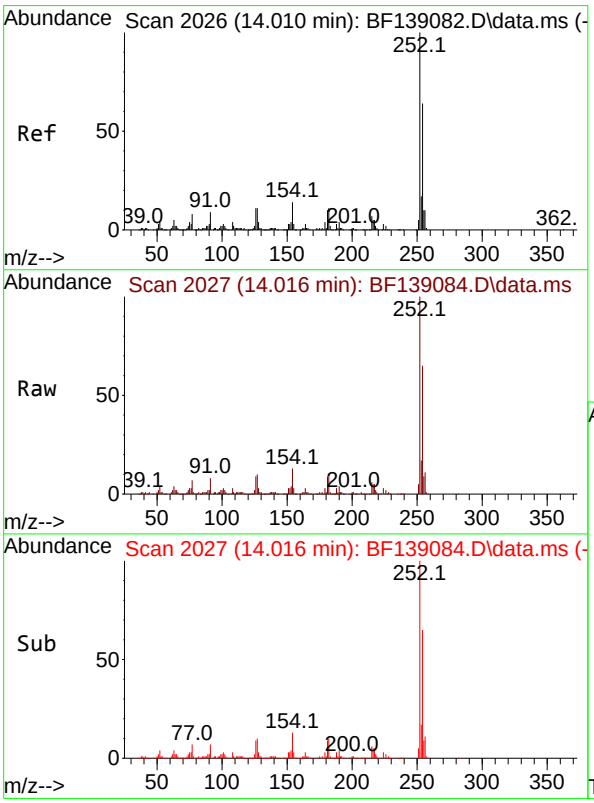
#81
Benzo(a)anthracene
Concen: 58.395 ng
RT: 14.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 901578

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.9	32.9
229	19.7	16.1	24.1

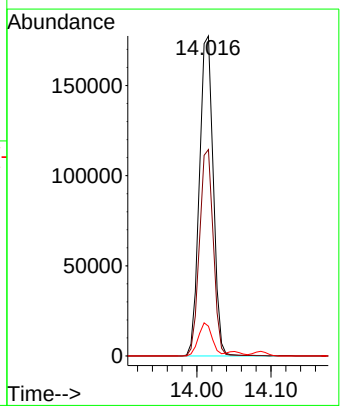


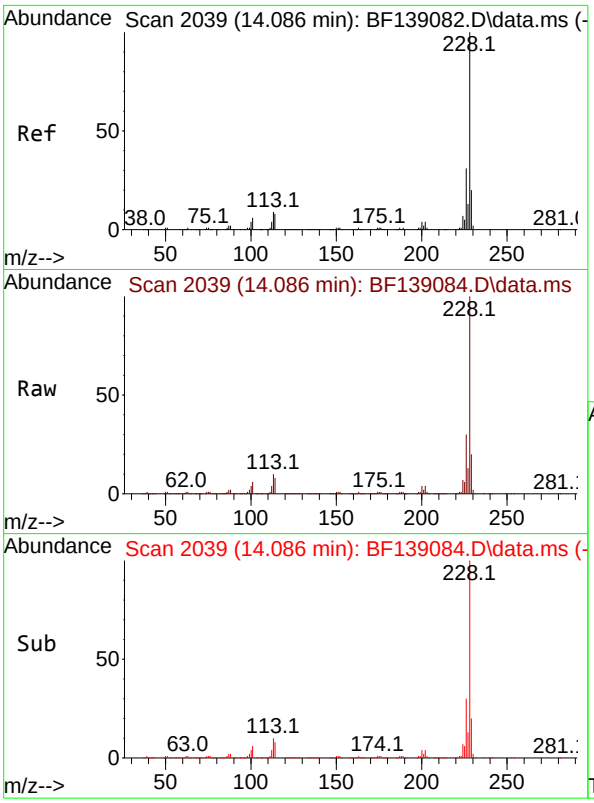


#82
3,3'-Dichlorobenzidine
Concen: 53.496 ng
RT: 14.016 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:252 Resp: 230868

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.4	77.0
126	9.3	8.6	12.8



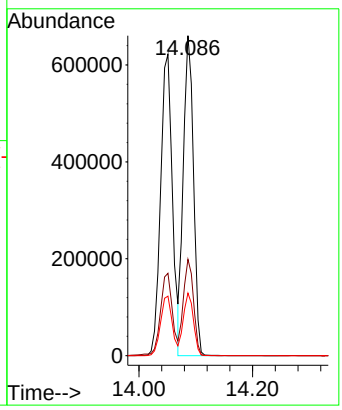


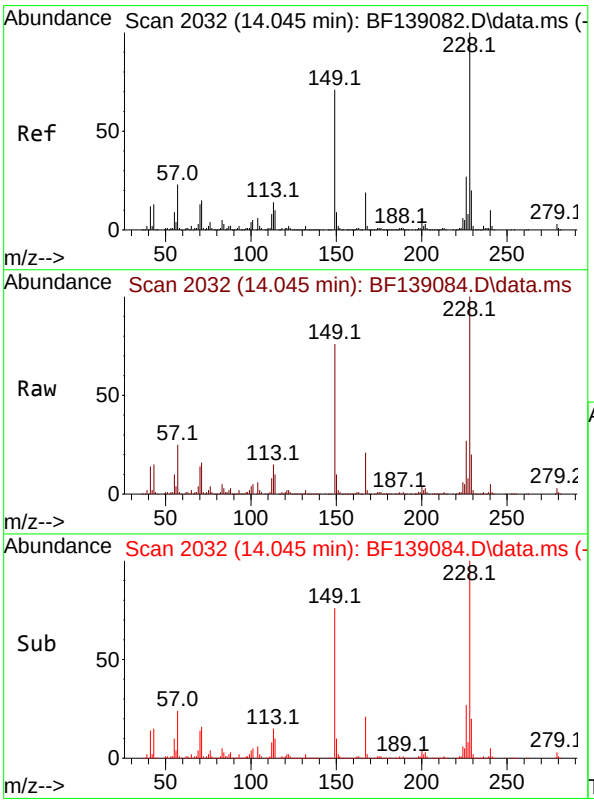
#83
Chrysene
Concen: 58.472 ng
RT: 14.086 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 818271

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.3	36.5
229	19.5	15.8	23.8

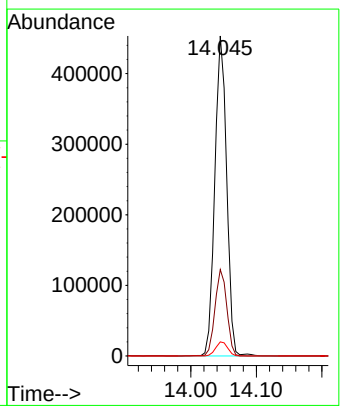


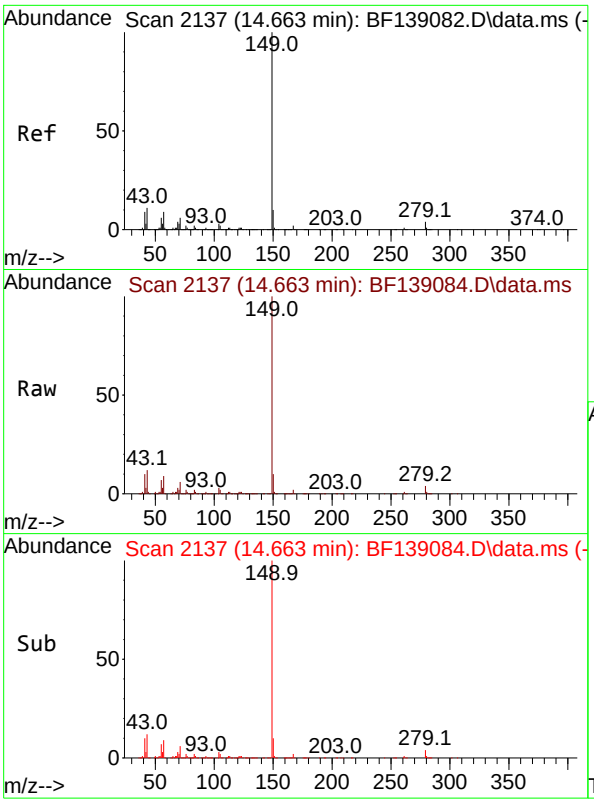


#84
Bis(2-ethylhexyl)phthalate
Concen: 63.032 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:149 Resp: 566628

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.8	32.6
279	4.4	3.5	5.3



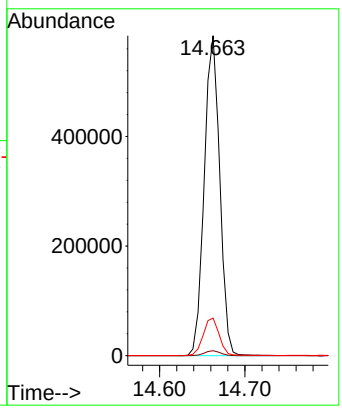


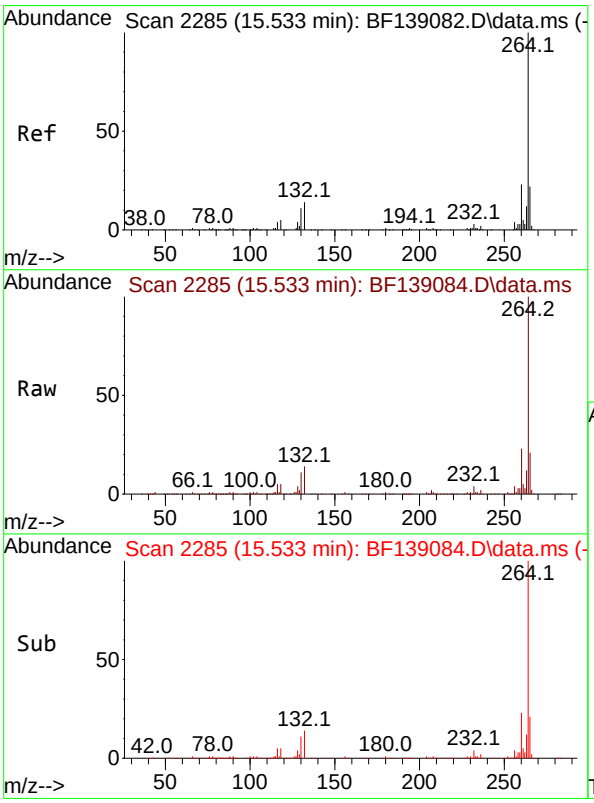
#85
Di-n-octyl phthalate
Concen: 58.456 ng
RT: 14.663 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 737539

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.1	9.6	14.4

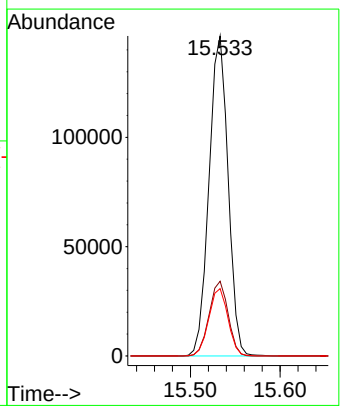


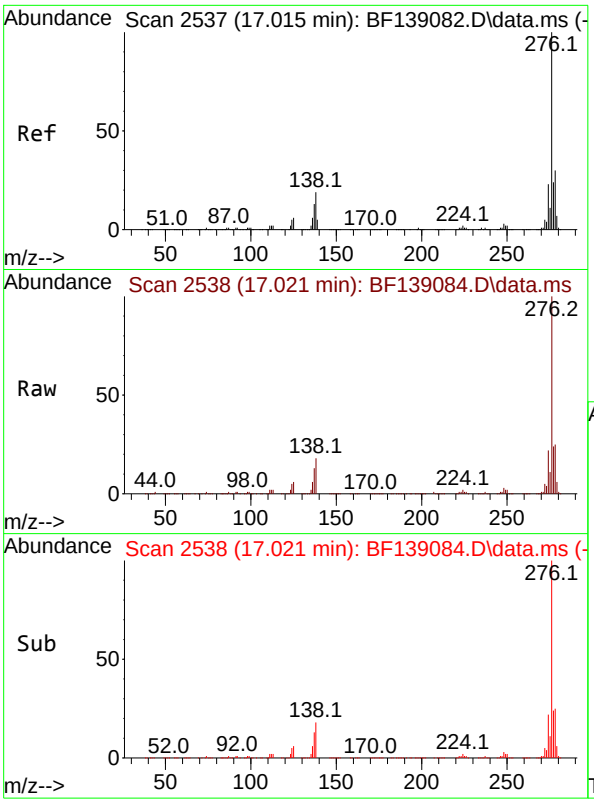


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:264 Resp: 215767

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.1	17.4	26.2



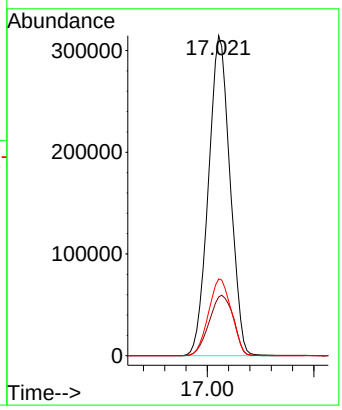


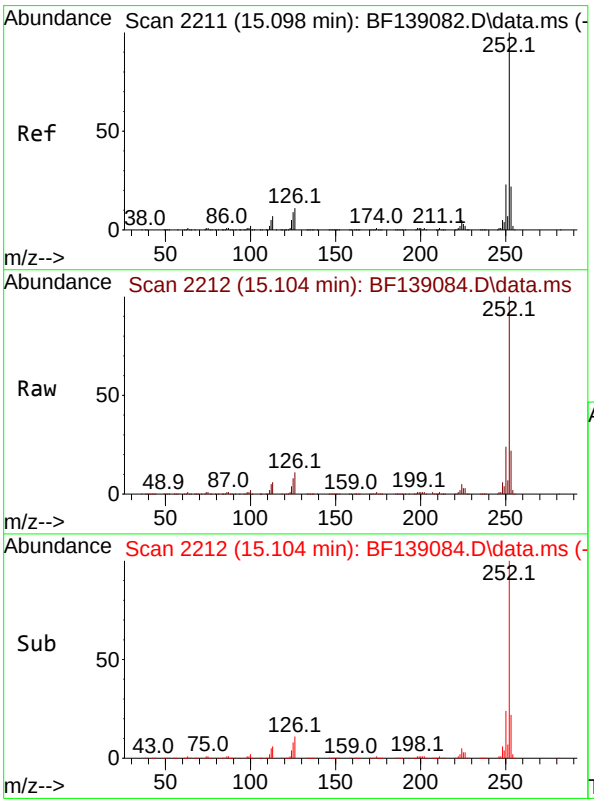
#87
Indeno(1,2,3-cd)pyrene
Concen: 70.191 ng
RT: 17.021 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 886371

Ion	Ratio	Lower	Upper
276	100		
138	21.3	17.3	25.9
277	25.4	20.2	30.4

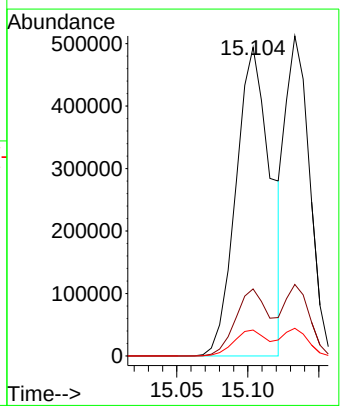


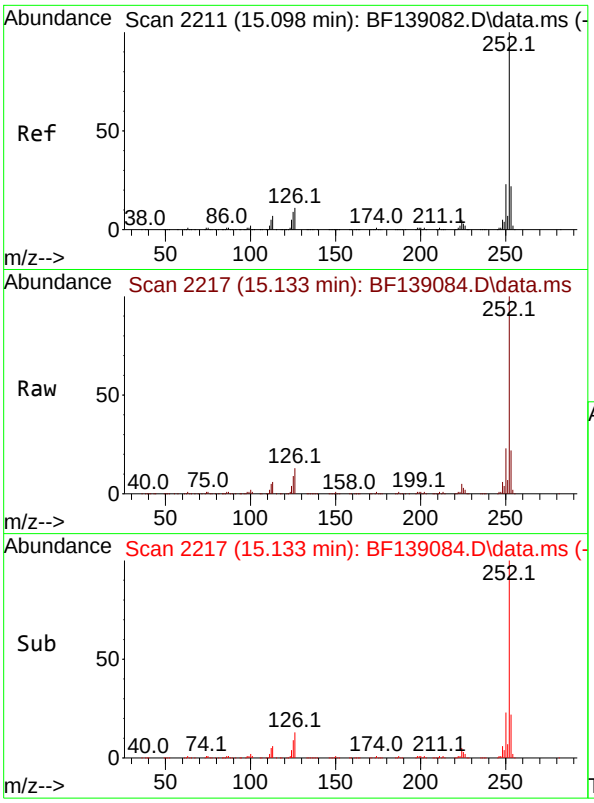


#88
Benzo(b)fluoranthene
Concen: 59.800 ng
RT: 15.104 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:252 Resp: 841181

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	8.4	7.0	10.6



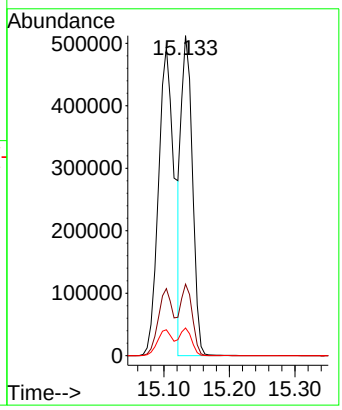


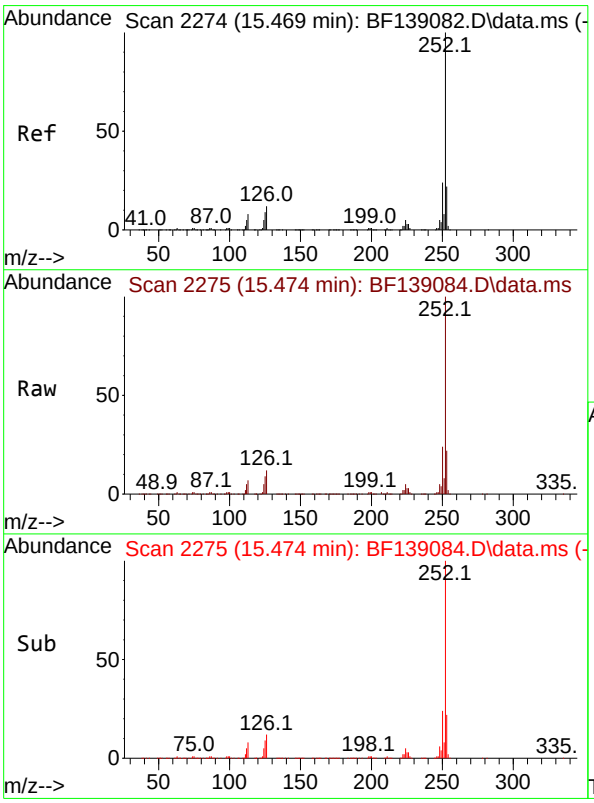
#89
Benzo(k)fluoranthene
Concen: 51.676 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 605420

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	8.7	7.0	10.6

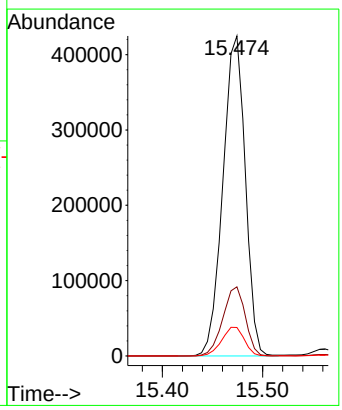


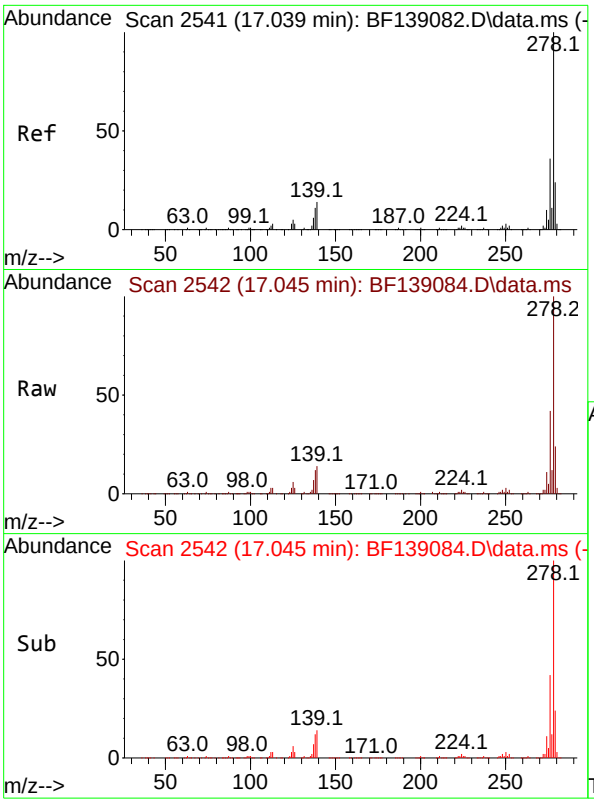


#90
Benzo(a)pyrene
Concen: 59.365 ng
RT: 15.474 min Scan# 2275
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:252 Resp: 659846

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	8.9	7.4	11.2



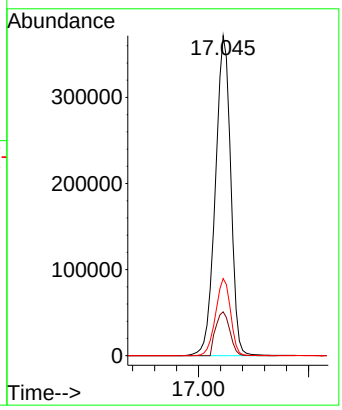


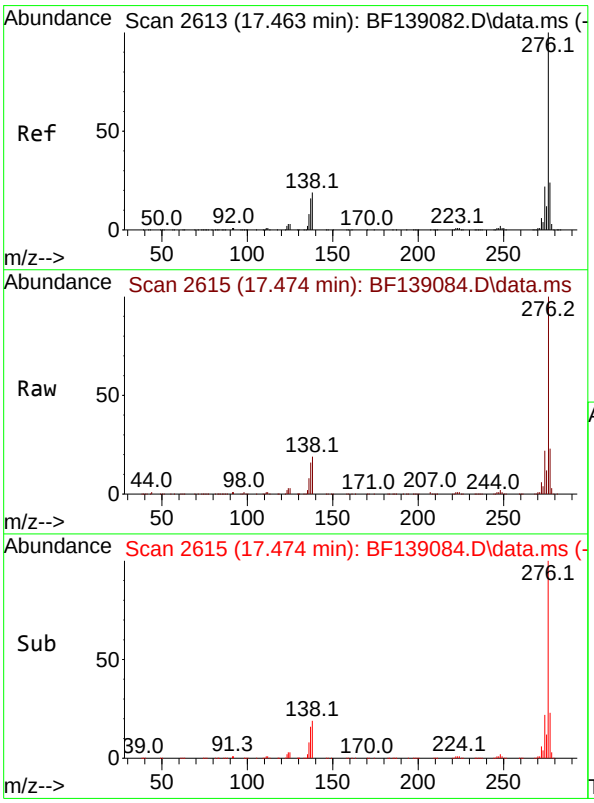
#91
Dibenzo(a,h)anthracene
Concen: 69.619 ng
RT: 17.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 721676

Ion	Ratio	Lower	Upper
278	100		
139	13.7	10.8	16.2
279	24.1	19.2	28.8

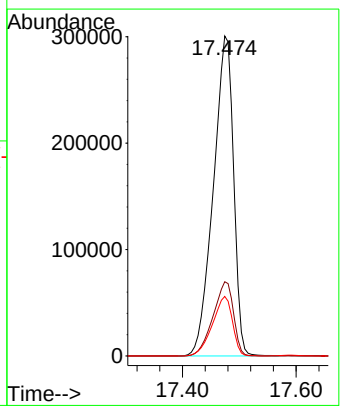




#92
Benzo(g,h,i)perylene
Concen: 61.977 ng
RT: 17.474 min Scan# 2615
Delta R.T. 0.011 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:276 Resp: 744241

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.8	28.2
138	18.6	15.0	22.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139085.D
Acq On : 20 Aug 2024 20:41
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Aug 21 01:18:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	119131	20.000	ng		0.00
21) Naphthalene-d8	8.187	136	419100	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	242021	20.000	ng		0.00
64) Phenanthrene-d10	11.422	188	432963	20.000	ng		0.00
76) Chrysene-d12	14.063	240	228726	20.000	ng		0.00
86) Perylene-d12	15.533	264	226925	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	1105550	142.776	ng		0.00
7) Phenol-d6	6.534	99	1446661	144.590	ng		0.01
23) Nitrobenzene-d5	7.475	82	1303808	181.276	ng		0.01
42) 2,4,6-Tribromophenol	10.733	330	377555	172.322	ng		0.01
45) 2-Fluorobiphenyl	9.263	172	2161810	141.721	ng		0.00
79) Terphenyl-d14	13.010	244	2367017	171.715	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.693	88	249247	75.048	ng		100
3) Pyridine	3.452	79	613455	72.688	ng		99
4) n-Nitrosodimethylamine	3.428	42	369181	72.413	ng		98
6) Aniline	6.610	93	546130m	60.464	ng		
8) 2-Chlorophenol	6.692	128	534146	71.719	ng		98
10) Phenol	6.551	94	728874	70.014	ng		93
11) bis(2-Chloroethyl)ether	6.645	93	697210m	83.597	ng		
12) 1,3-Dichlorobenzene	6.845	146	637378	71.179	ng		100
13) 1,4-Dichlorobenzene	6.922	146	638746	71.344	ng		99
14) 1,2-Dichlorobenzene	7.075	146	588472	71.918	ng		99
15) Benzyl Alcohol	7.045	79	582213	73.626	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	818208	69.379	ng		98
17) 2-Methylphenol	7.151	107	471441	73.991	ng		98
18) Hexachloroethane	7.416	117	230618	73.457	ng		97
19) n-Nitroso-di-n-propyla...	7.328	70	457650	69.653	ng		98
20) 3+4-Methylphenols	7.310	107	584824	70.843	ng	#	90
22) Acetophenone	7.316	105	805429	75.267	ng	#	91
24) Nitrobenzene	7.492	77	692449	86.615	ng		99
25) Isophorone	7.728	82	1183760	77.435	ng		99
26) 2-Nitrophenol	7.798	139	241979	82.278	ng		98
27) 2,4-Dimethylphenol	7.834	122	369357	76.193	ng		99
28) bis(2-Chloroethoxy)met...	7.939	93	665625	74.518	ng		100
29) 2,4-Dichlorophenol	8.039	162	469669	77.769	ng		98
30) 1,2,4-Trichlorobenzene	8.122	180	526689	74.479	ng		99
31) Naphthalene	8.210	128	1571455	73.993	ng		100
32) Benzoic acid	7.987	122	358794m	80.763	ng		
33) 4-Chloroaniline	8.269	127	560781	77.099	ng		100
34) Hexachlorobutadiene	8.322	225	349276	75.609	ng		99
35) Caprolactam	8.651	113	152988	79.912	ng		95
36) 4-Chloro-3-methylphenol	8.734	107	524285	78.405	ng		99
37) 2-Methylnaphthalene	8.898	142	988647	72.575	ng		99
38) 1-Methylnaphthalene	8.998	142	976866	74.301	ng		99
40) 1,2,4,5-Tetrachloroben...	9.063	216	509728	79.265	ng		99
41) Hexachlorocyclopentadiene	9.045	237	207241	81.380	ng		100
43) 2,4,6-Trichlorophenol	9.169	196	339303	75.883	ng		99
44) 2,4,5-Trichlorophenol	9.210	196	367371	80.042	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139085.D
Acq On : 20 Aug 2024 20:41
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Aug 21 01:18:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.363	154	1245232	75.109	ng		99
47) 2-Chloronaphthalene	9.386	162	1004510	74.569	ng		99
48) 2-Nitroaniline	9.481	65	334286	82.036	ng		99
49) Acenaphthylene	9.804	152	1443121	74.784	ng		100
50) Dimethylphthalate	9.669	163	1145946	76.696	ng		100
51) 2,6-Dinitrotoluene	9.728	165	250261	80.164	ng		97
52) Acenaphthene	9.975	154	969490	76.056	ng		99
53) 3-Nitroaniline	9.898	138	254287	80.737	ng	#	98
54) 2,4-Dinitrophenol	9.998	184	103715	79.421	ng	#	52
55) Dibenzofuran	10.145	168	1373209	74.168	ng		99
56) 4-Nitrophenol	10.045	139	203843	90.256	ng		99
57) 2,4-Dinitrotoluene	10.128	165	320658	81.030	ng		97
58) Fluorene	10.486	166	1079992	72.990	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	298788	81.079	ng		98
60) Diethylphthalate	10.369	149	1133466	76.563	ng		99
61) 4-Chlorophenyl-phenyle...	10.480	204	536572	72.609	ng		99
62) 4-Nitroaniline	10.516	138	253076	79.854	ng		99
63) Azobenzene	10.639	77	1230472	74.792	ng		98
65) 4,6-Dinitro-2-methylph...	10.539	198	149962	79.254	ng		94
66) n-Nitrosodiphenylamine	10.604	169	935624	73.033	ng		99
67) 4-Bromophenyl-phenylether	10.975	248	346464	75.518	ng		99
68) Hexachlorobenzene	11.033	284	375376	76.266	ng		98
69) Atrazine	11.128	200	262373	67.059	ng		100
70) Pentachlorophenol	11.222	266	261340	83.122	ng		97
71) Phenanthrene	11.451	178	1575520	71.593	ng		99
72) Anthracene	11.504	178	1555583	72.279	ng		99
73) Carbazole	11.657	167	1425898	70.952	ng		99
74) Di-n-butylphthalate	11.986	149	1674782	71.871	ng		99
75) Fluoranthene	12.633	202	1641350	69.879	ng		99
77) Benzidine	12.757	184	387111	81.935	ng		100
78) Pyrene	12.869	202	1631942	85.498	ng		100
80) Butylbenzylphthalate	13.486	149	577513	87.455	ng		99
81) Benzo(a)anthracene	14.051	228	1118794	74.410	ng		100
82) 3,3'-Dichlorobenzidine	14.016	252	285587	67.953	ng		99
83) Chrysene	14.092	228	1056171	77.498	ng		100
84) Bis(2-ethylhexyl)phtha...	14.045	149	720000	82.244	ng		99
85) Di-n-octyl phthalate	14.663	149	974053	79.275	ng		100
87) Indeno(1,2,3-cd)pyrene	17.027	276	1190369	89.630	ng		100
88) Benzo(b)fluoranthene	15.104	252	1055284	71.332	ng		99
89) Benzo(k)fluoranthene	15.139	252	920339	74.693	ng		99
90) Benzo(a)pyrene	15.474	252	898664	76.876	ng		100
91) Dibenzo(a,h)anthracene	17.057	278	972287	89.184	ng		99
92) Benzo(g,h,i)perylene	17.486	276	999240	78.348	ng		99

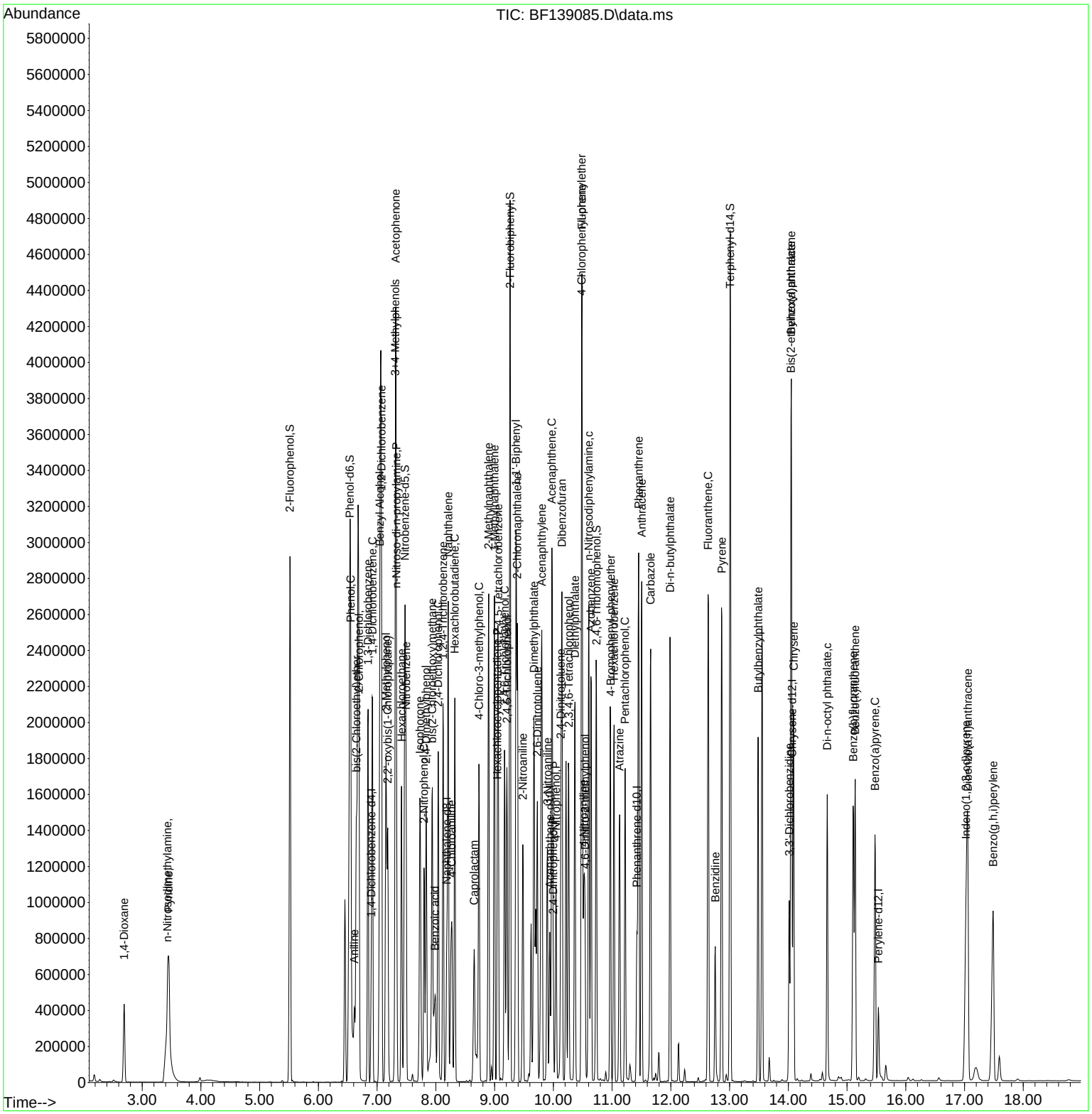
(#) = qualifier out of range (m) = manual integration (+) = signals summed

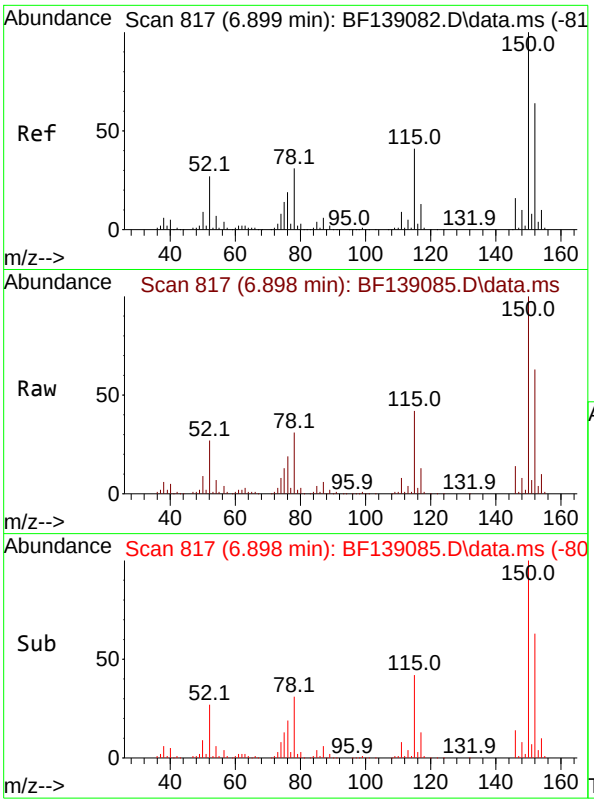
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139085.D
Acq On : 20 Aug 2024 20:41
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Aug 21 01:18:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration



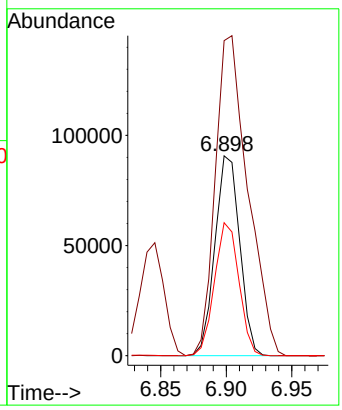


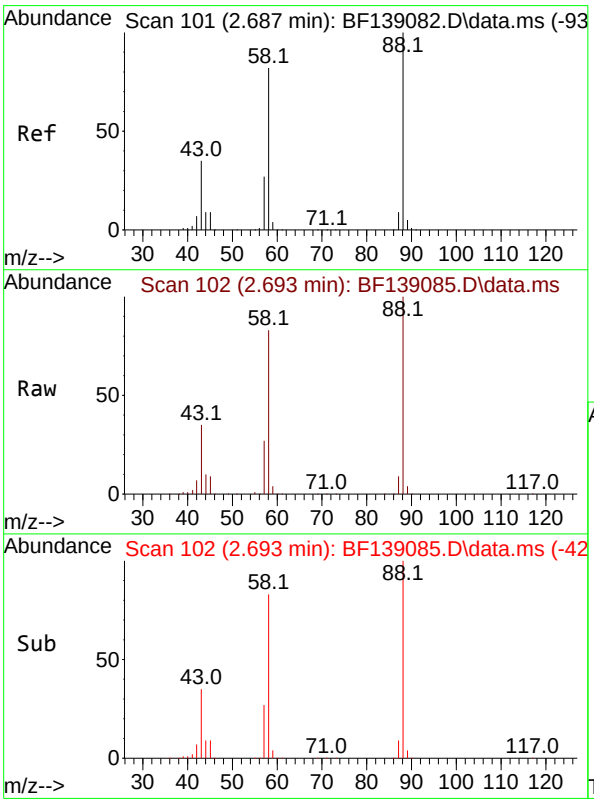
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 119131

Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.1	187.7
115	66.5	51.8	77.6

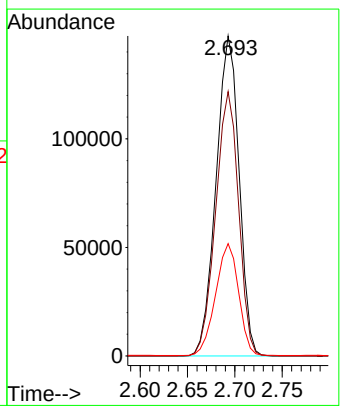


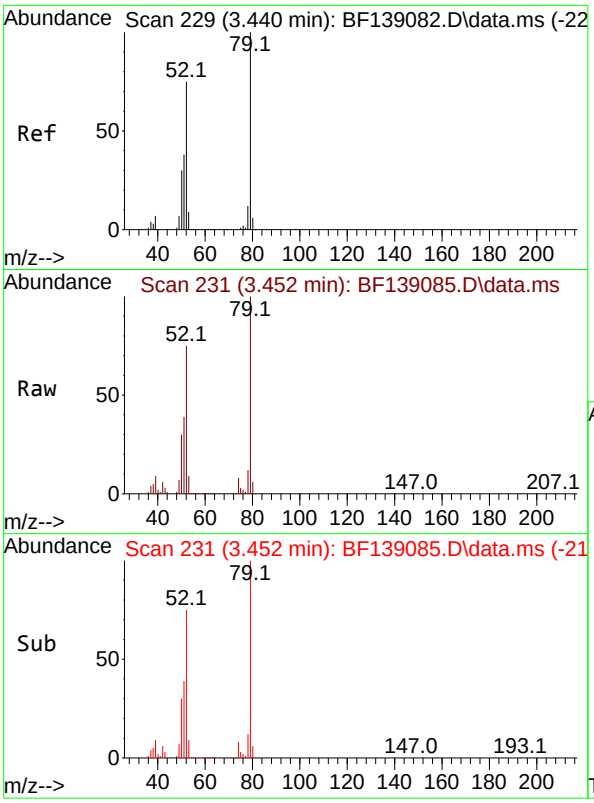


#2
1,4-Dioxane
Concen: 75.048 ng
RT: 2.693 min Scan# 102
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 88 Resp: 249247

Ion	Ratio	Lower	Upper
88	100		
58	82.3	65.4	98.0
43	34.9	27.9	41.9



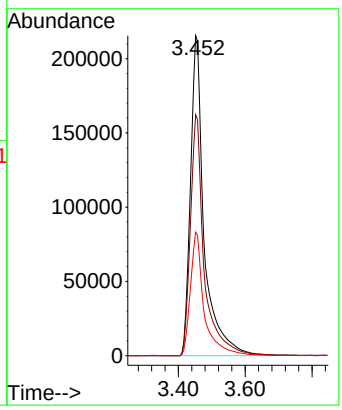


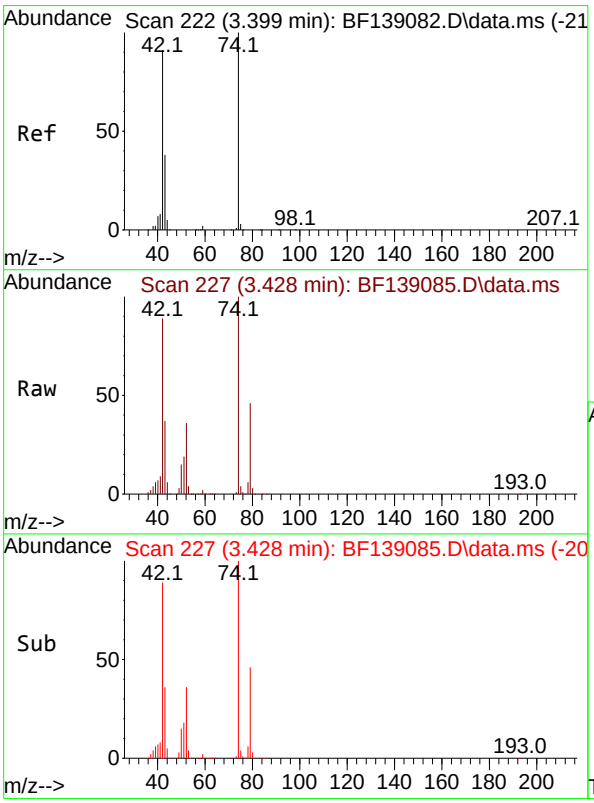
#3
Pyridine
Concen: 72.688 ng
RT: 3.452 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 613455

Ion	Ratio	Lower	Upper
79	100		
52	75.3	59.7	89.5
51	38.6	30.6	45.8

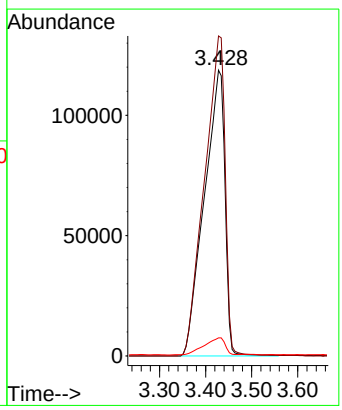


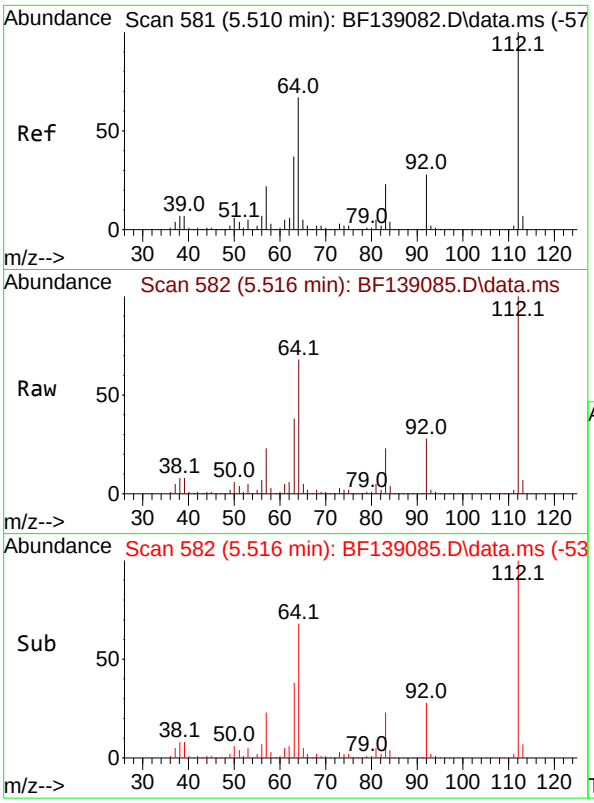


#4
n-Nitrosodimethylamine
Concen: 72.413 ng
RT: 3.428 min Scan# 227
Delta R.T. 0.029 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 42 Resp: 369181

Ion	Ratio	Lower	Upper
42	100		
74	112.0	88.2	132.2
44	6.3	5.4	8.0



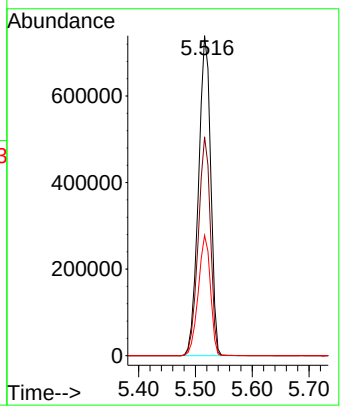


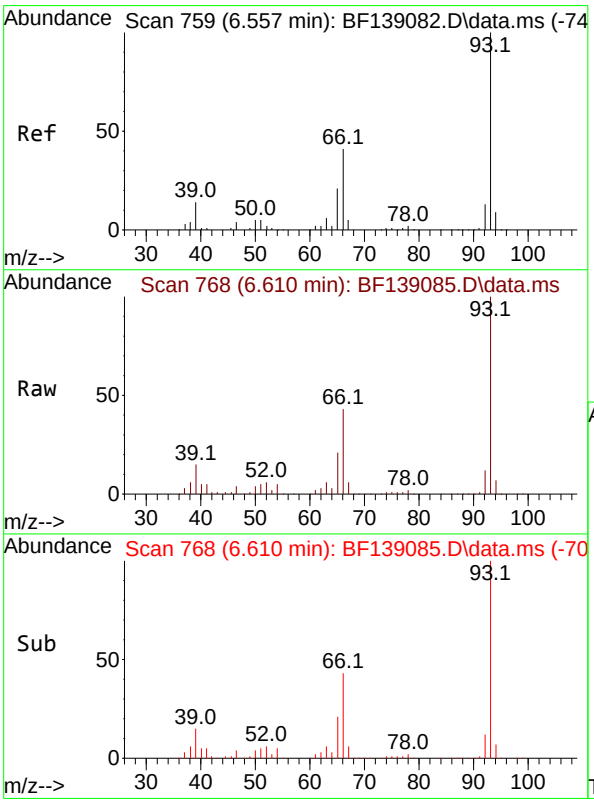
#5
2-Fluorophenol
Concen: 142.776 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 1105550

Ion	Ratio	Lower	Upper
112	100		
64	68.4	53.8	80.6
63	37.6	29.4	44.2

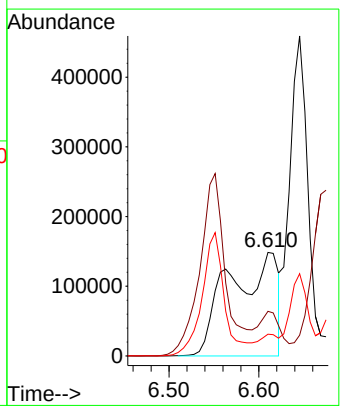


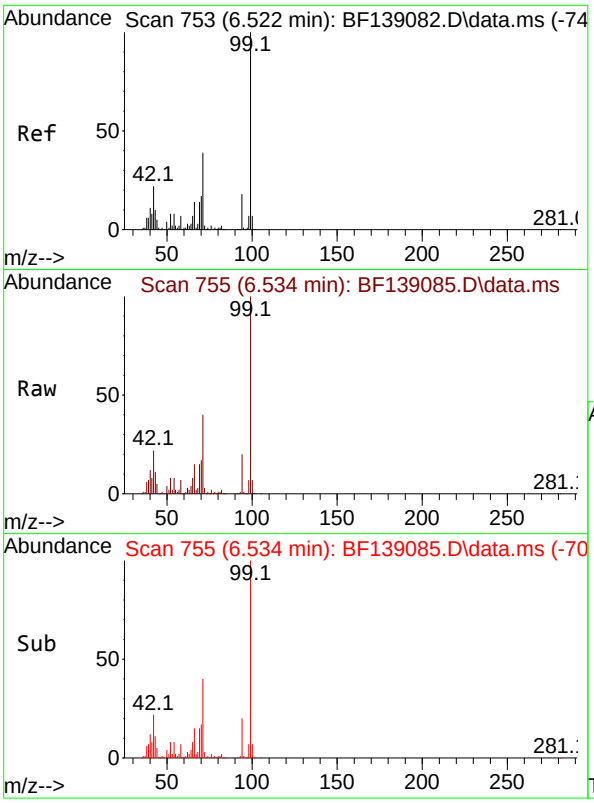


#6
Aniline
Concen: 60.464 ng m
RT: 6.610 min Scan# 768
Delta R.T. 0.053 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 93 Resp: 546130

Ion	Ratio	Lower	Upper
93	100		
66	43.1	35.1	52.7
65	21.0	17.4	26.2



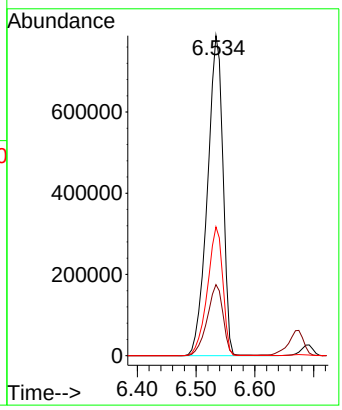


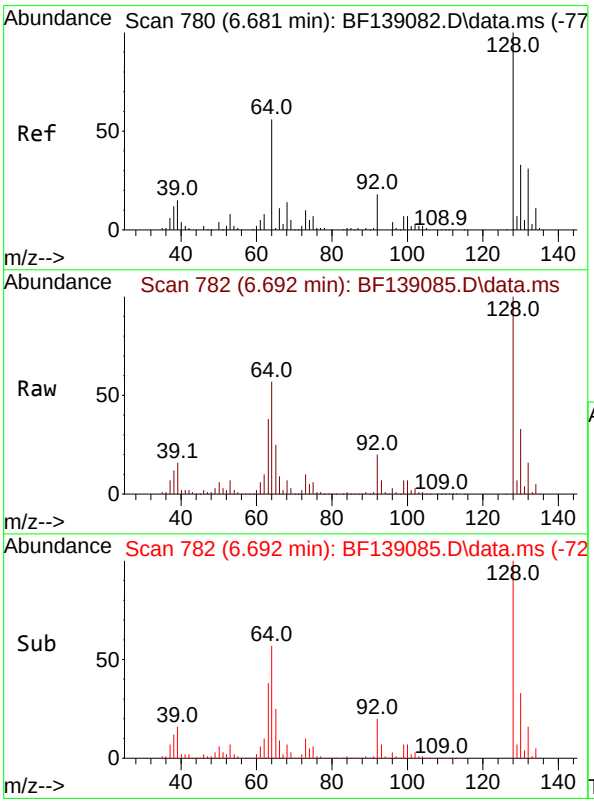
#7
Phenol-d6
Concen: 144.590 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 1446661

Ion	Ratio	Lower	Upper
99	100		
42	22.2	17.4	26.2
71	40.3	31.2	46.8

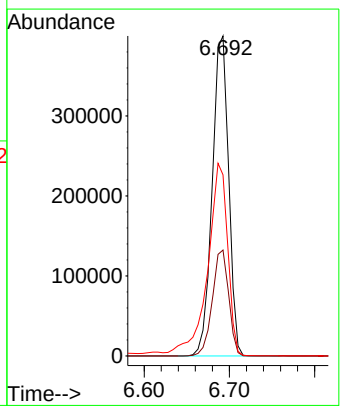


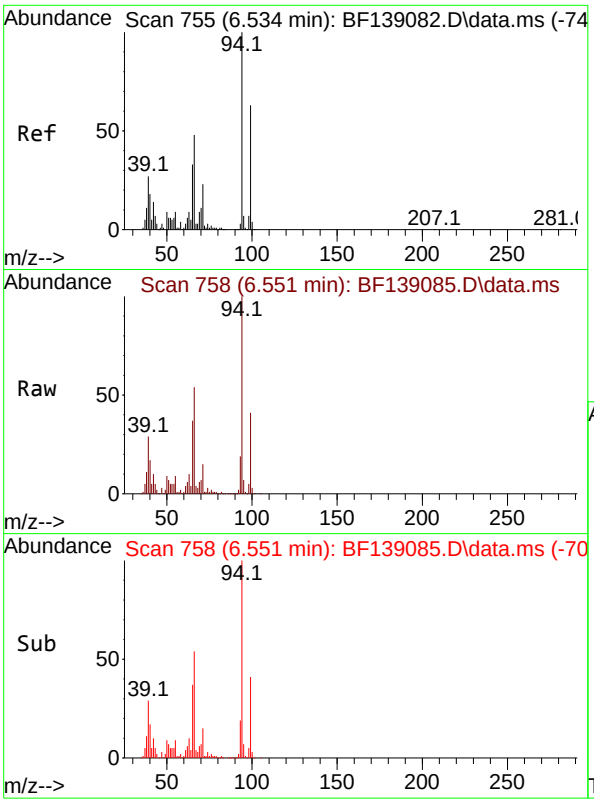


#8
2-Chlorophenol
Concen: 71.719 ng
RT: 6.692 min Scan# 782
Delta R.T. 0.011 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:128 Resp: 534146

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.6	52.6
64	56.6	39.1	79.1



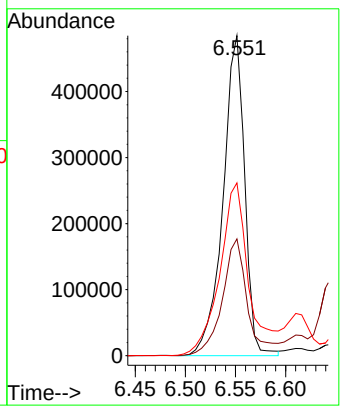


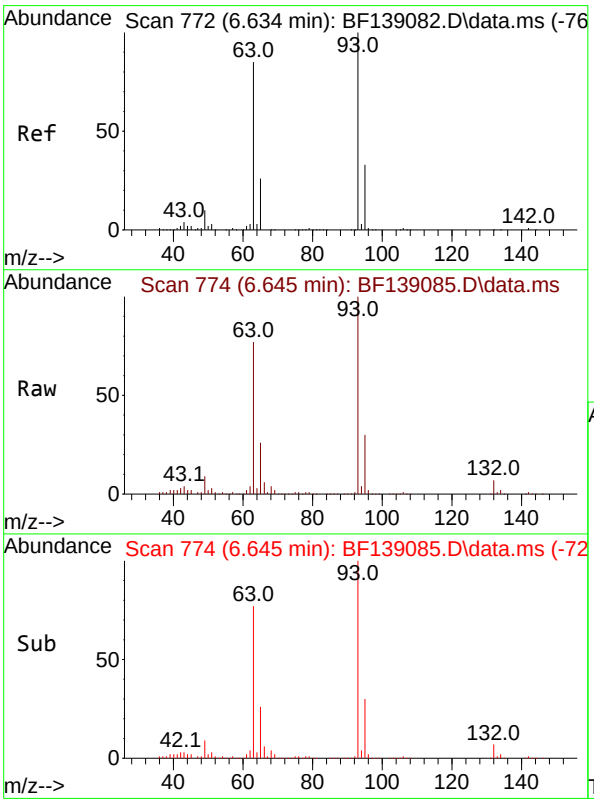
#10
Phenol
Concen: 70.014 ng
RT: 6.551 min Scan# 7
Delta R.T. 0.018 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 94 Resp: 728874

Ion	Ratio	Lower	Upper
94	100		
65	36.5	13.5	53.5
66	54.0	28.5	68.5

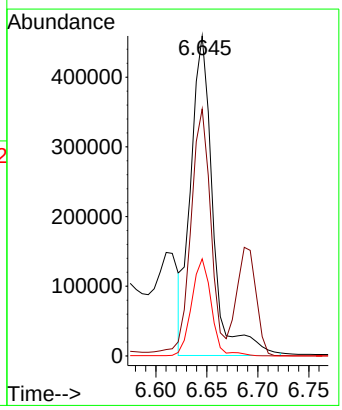


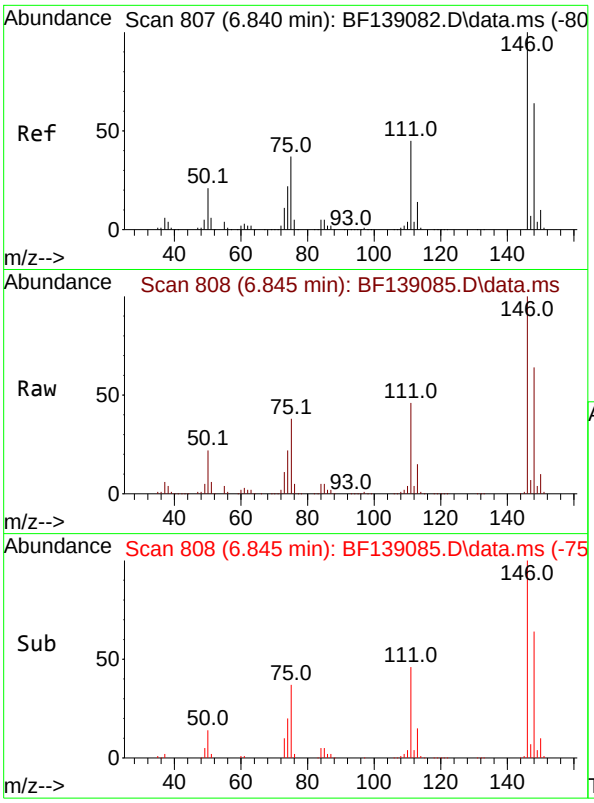


#11
bis(2-Chloroethyl)ether
Concen: 83.597 ng m
RT: 6.645 min Scan# 774
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 93 Resp: 697210

Ion	Ratio	Lower	Upper
93	100		
63	77.2	62.7	102.7
95	30.3	11.9	51.9



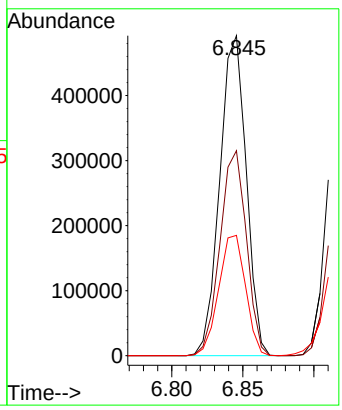


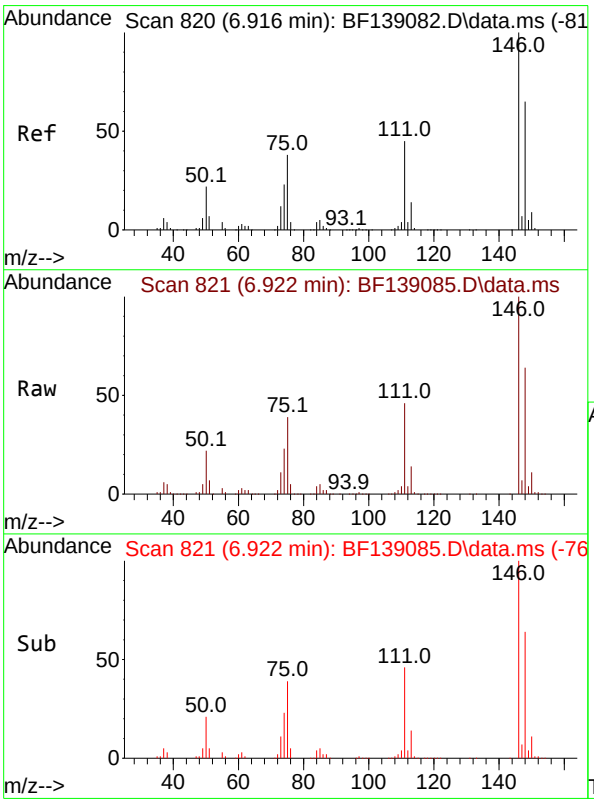
#12
1,3-Dichlorobenzene
Concen: 71.179 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 637378

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
75	37.6	29.9	44.9

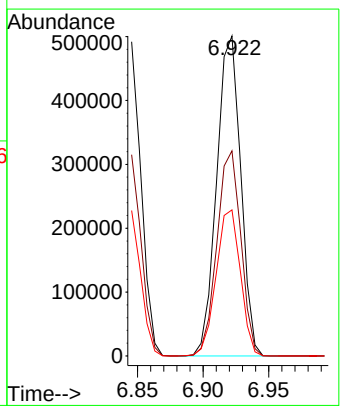


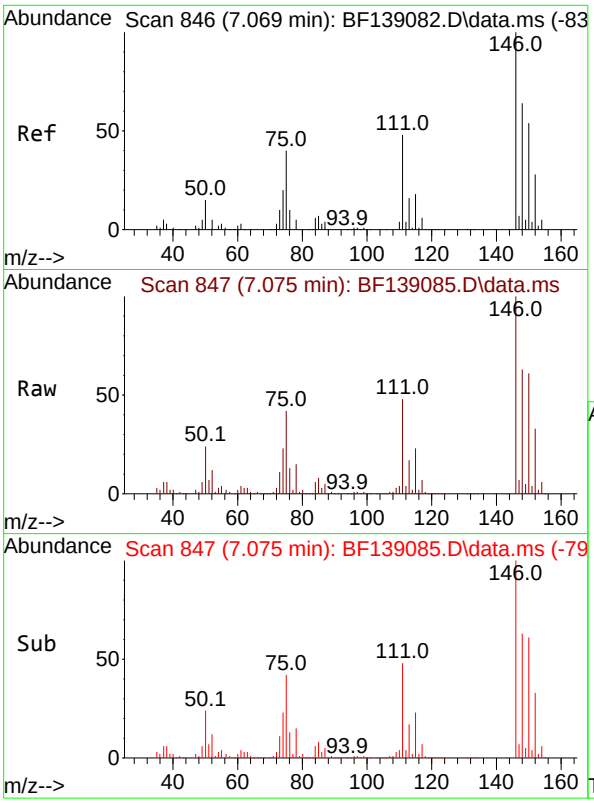


#13
1,4-Dichlorobenzene
Concen: 71.344 ng
RT: 6.922 min Scan# 821
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:146 Resp: 638746

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.9	77.9
111	45.7	35.8	53.6



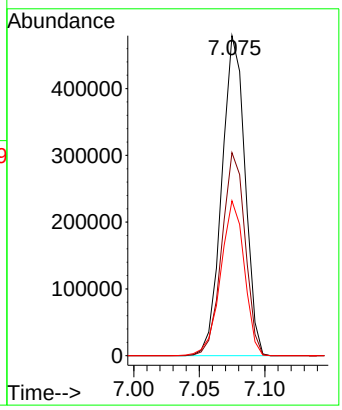


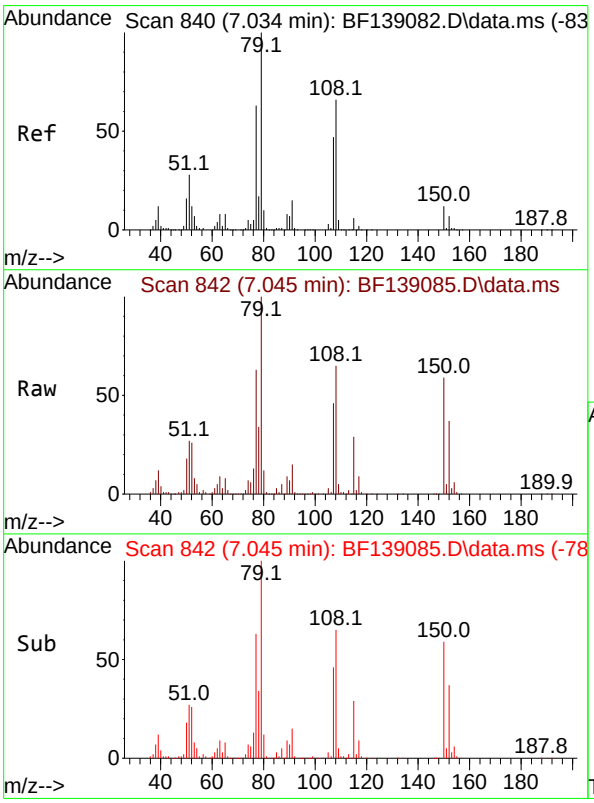
#14
1,2-Dichlorobenzene
Concen: 71.918 ng
RT: 7.075 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 588472

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.4	77.2
111	48.4	38.1	57.1

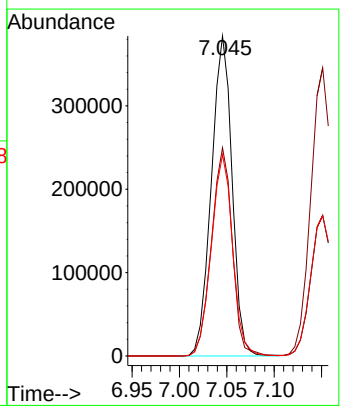


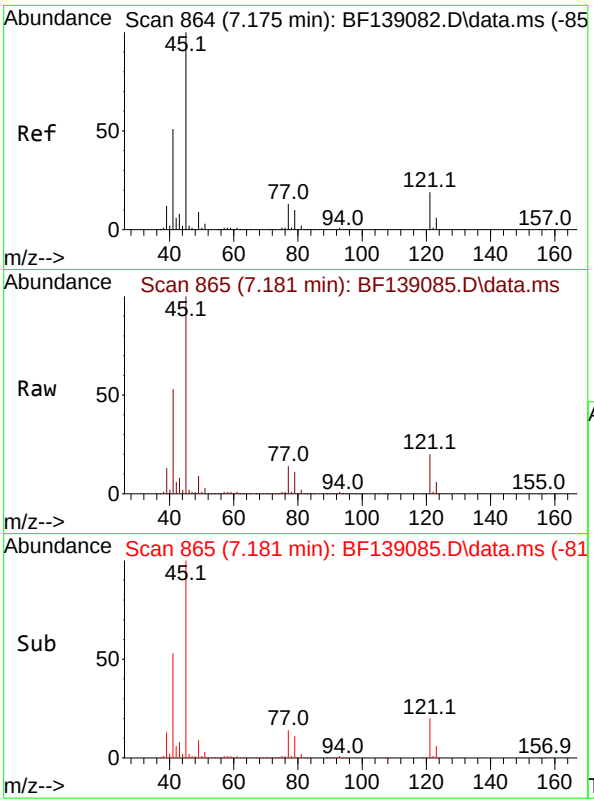


#15
Benzyl Alcohol
Concen: 73.626 ng
RT: 7.045 min Scan# 842
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 79 Resp: 582213

Ion	Ratio	Lower	Upper
79	100		
108	65.1	52.8	79.2
77	62.9	50.6	76.0



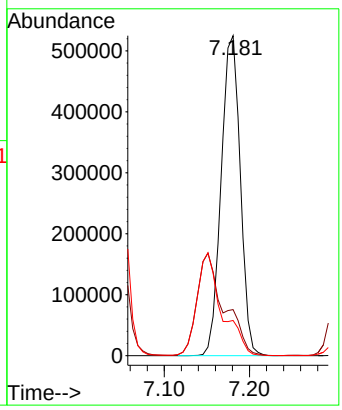


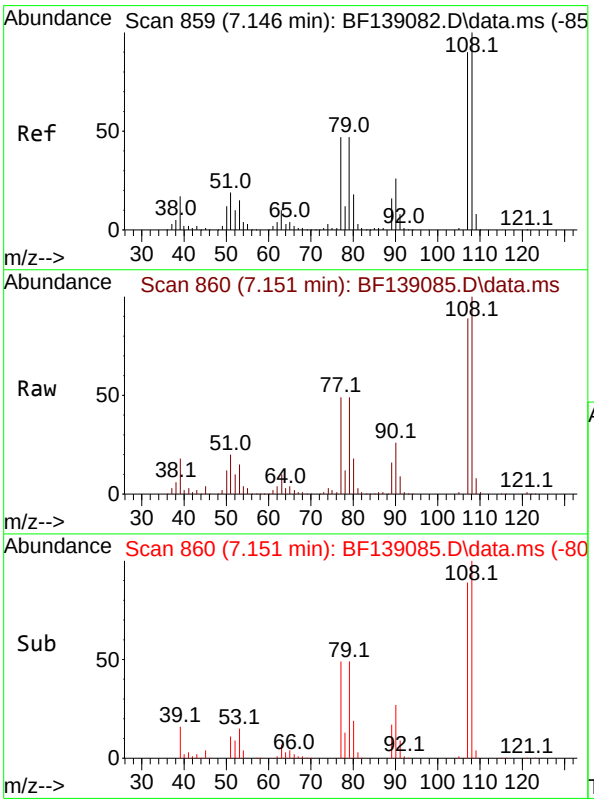
#16
2,2'-oxybis(1-Chloropropane)
Concen: 69.379 ng
RT: 7.181 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 45 Resp: 818208

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	33.7
79	11.0	0.0	30.4

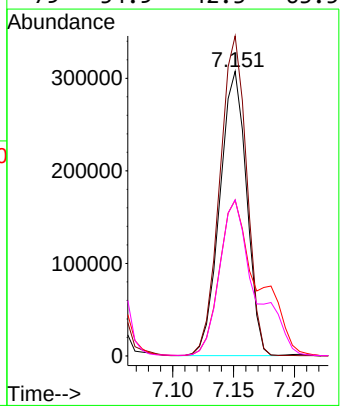


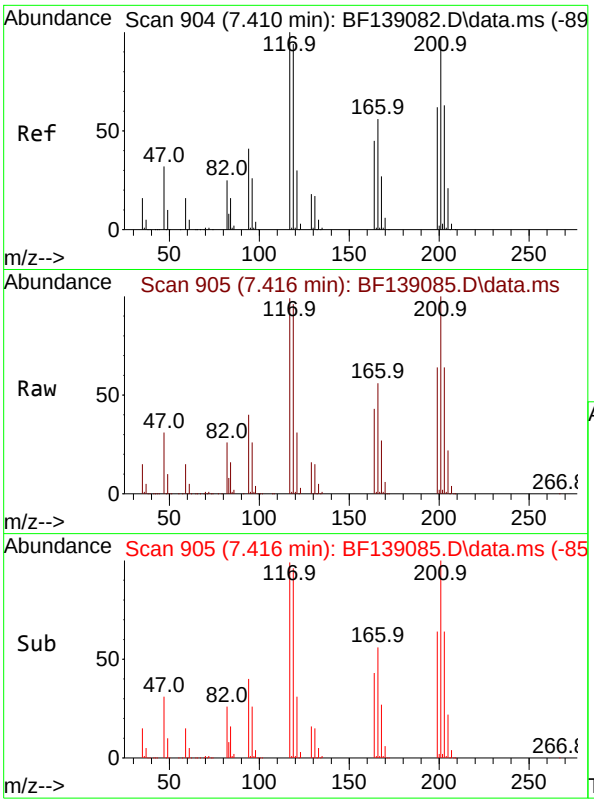


#17
2-Methylphenol
Concen: 73.991 ng
RT: 7.151 min Scan# 860
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:107 Resp: 471441

Ion	Ratio	Lower	Upper
107	100		
108	112.4	89.1	133.7
77	54.8	42.1	63.1
79	54.9	42.3	63.5



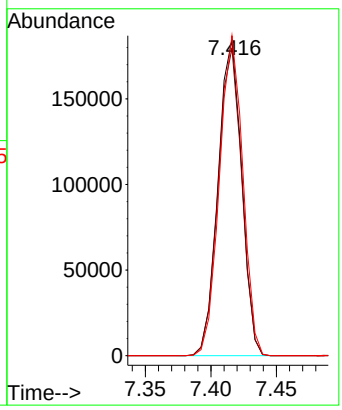


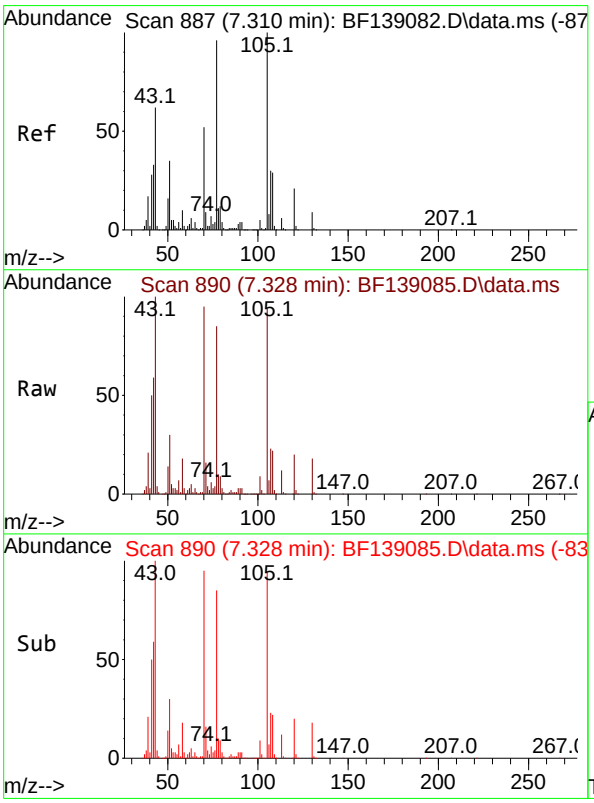
#18
Hexachloroethane
Concen: 73.457 ng
RT: 7.416 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:117 Resp: 230618

Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.5	113.3
201	101.1	77.8	116.8

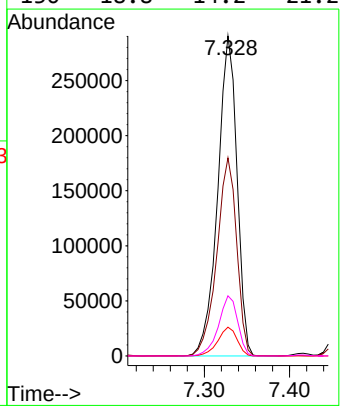


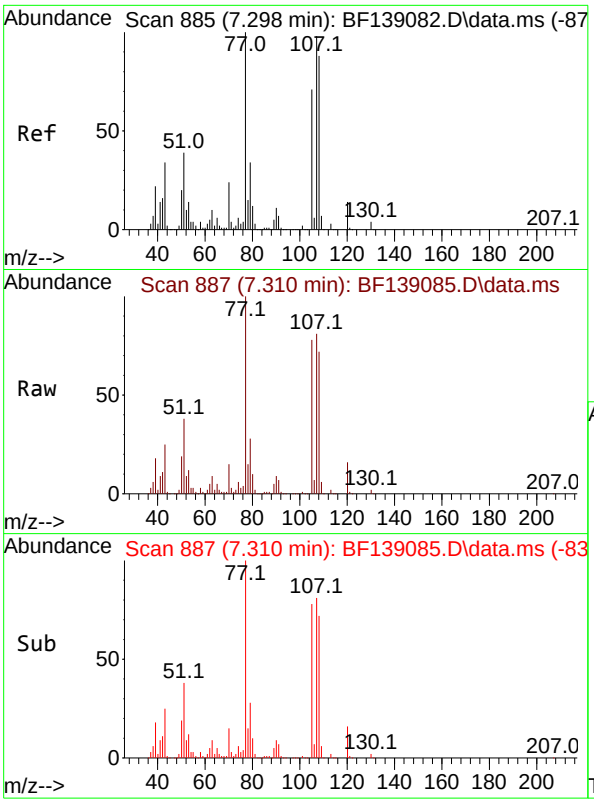


#19
n-Nitroso-di-n-propylamine
Concen: 69.653 ng
RT: 7.328 min Scan# 890
Delta R.T. 0.018 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 70 Resp: 457650

Ion	Ratio	Lower	Upper
70	100		
42	61.9	50.5	75.7
101	9.0	7.2	10.8
130	18.8	14.2	21.2



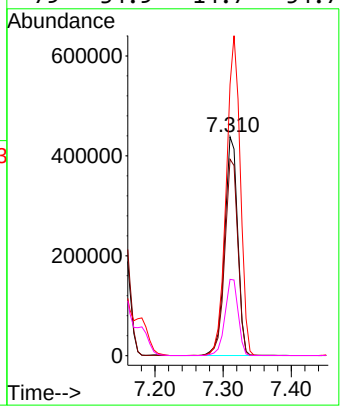


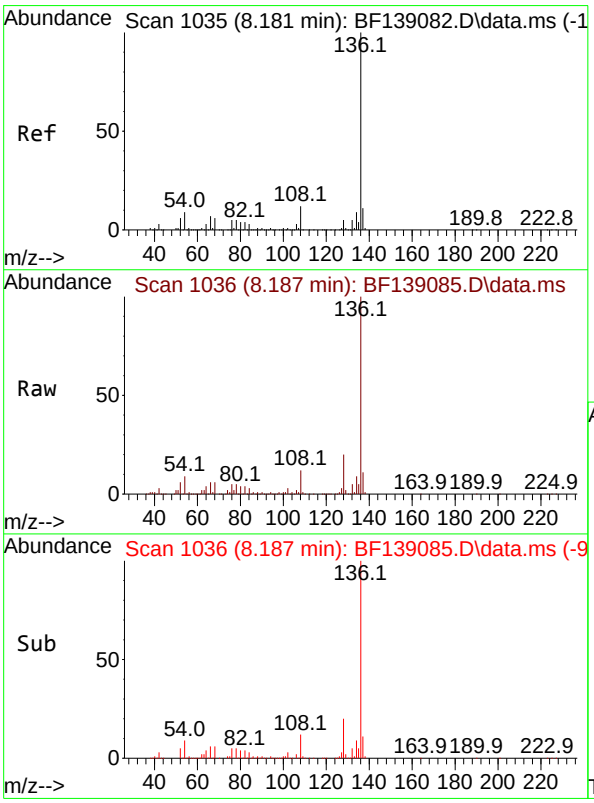
#20
3+4-Methylphenols
Concen: 70.843 ng
RT: 7.310 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 584824

Ion	Ratio	Lower	Upper
107	100		
108	89.8	70.2	110.2
77	123.9	82.7	122.7#
79	34.9	14.7	54.7

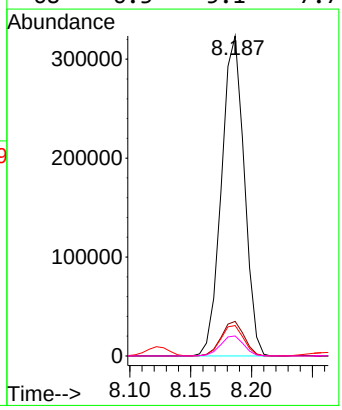


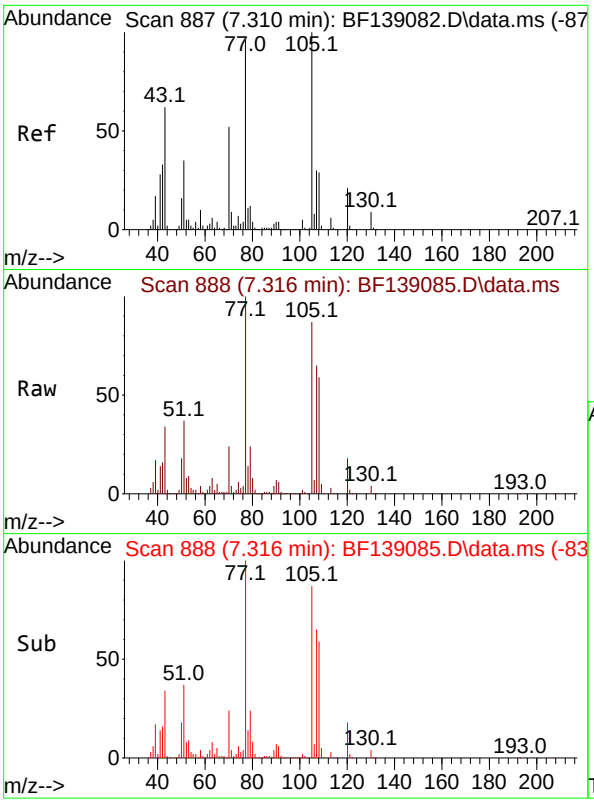


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1036
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:136 Resp: 419100

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	9.5	7.6	11.4
68	6.3	5.1	7.7



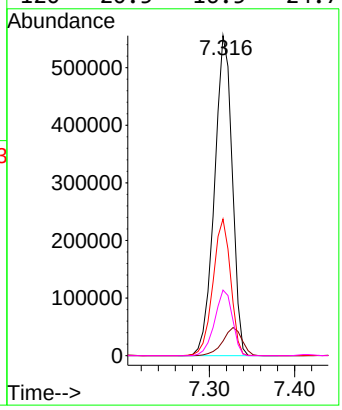


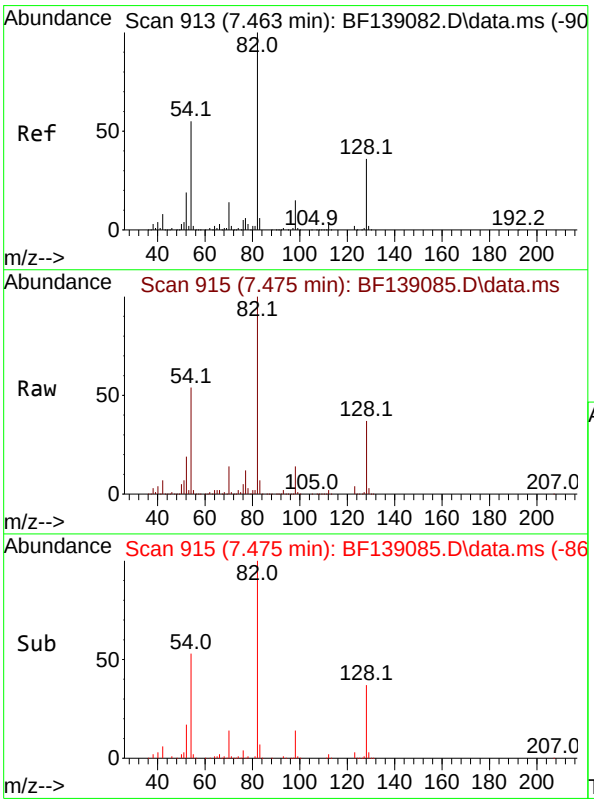
#22
Acetophenone
Concen: 75.267 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:105 Resp: 805429

Ion	Ratio	Lower	Upper
105	100		
71	4.6	7.0	10.6#
51	42.7	28.0	42.0#
120	20.5	16.5	24.7

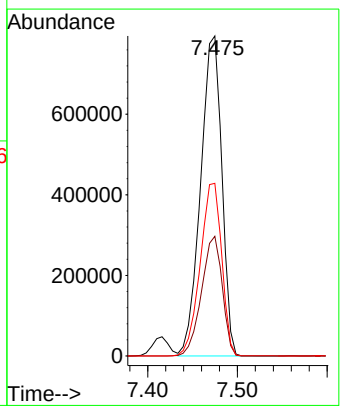


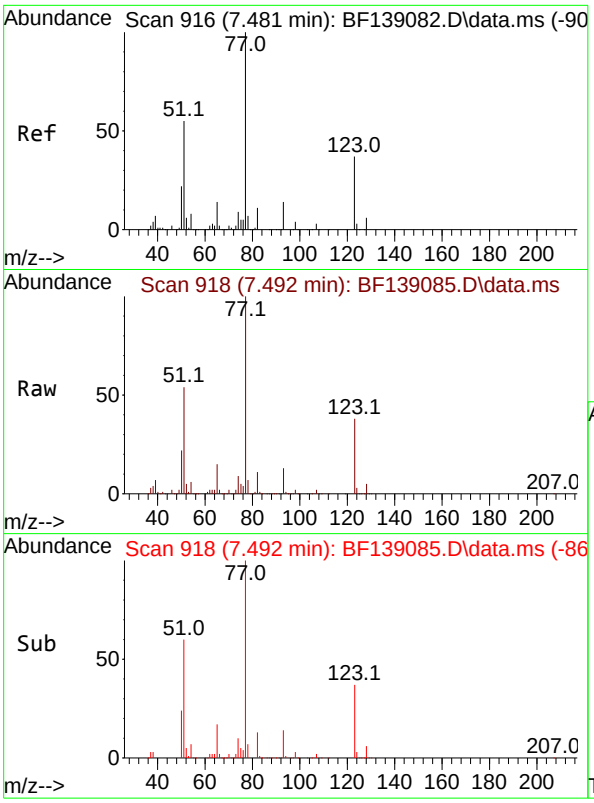


#23
Nitrobenzene-d5
Concen: 181.276 ng
RT: 7.475 min Scan# 915
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 82 Resp: 1303808

Ion	Ratio	Lower	Upper
82	100		
128	37.4	29.0	43.4
54	54.0	43.4	65.2



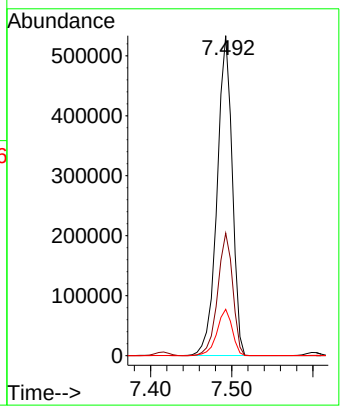


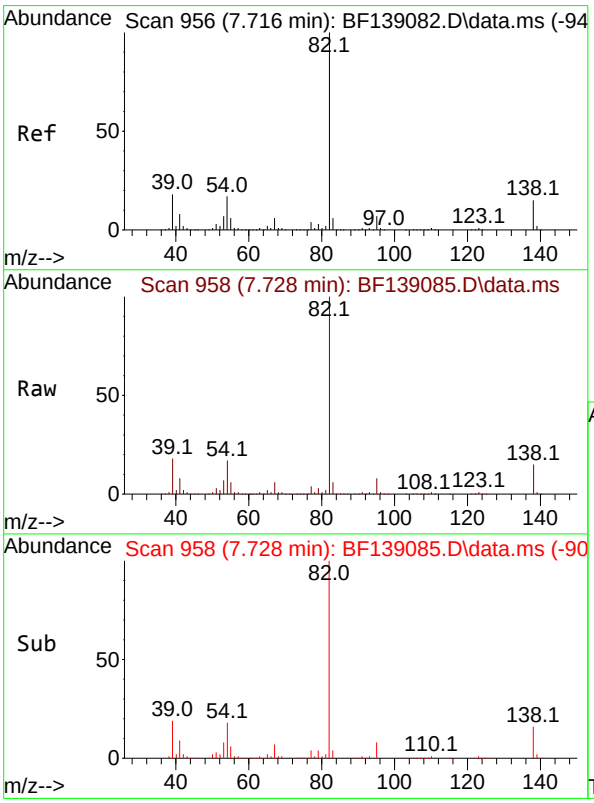
#24
Nitrobenzene
Concen: 86.615 ng
RT: 7.492 min Scan# 91
Delta R.T. 0.011 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 692449

Ion	Ratio	Lower	Upper
77	100		
123	38.3	30.3	45.5
65	14.5	11.3	16.9

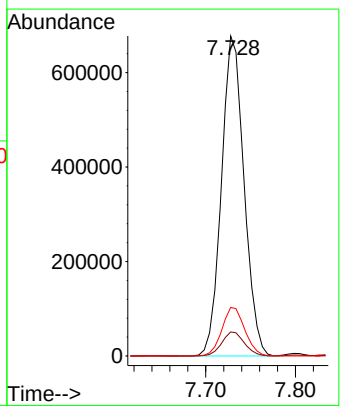


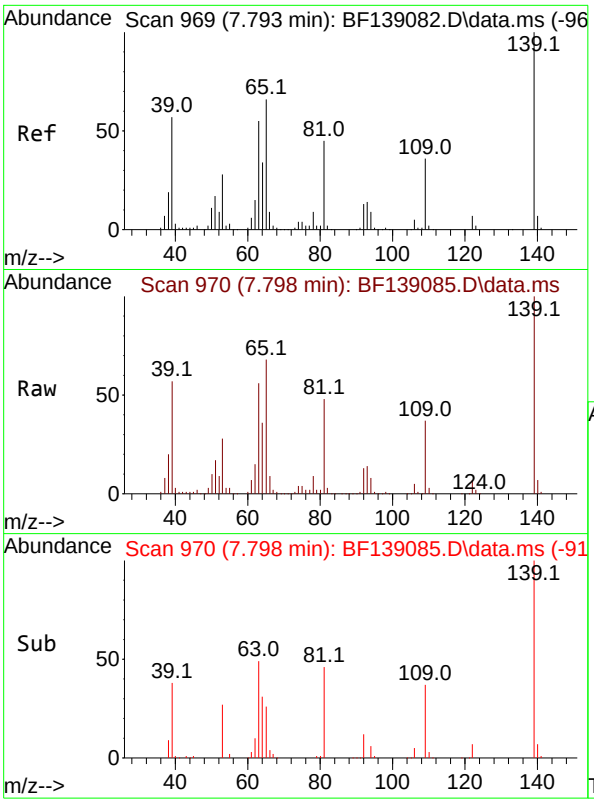


#25
Isophorone
Concen: 77.435 ng
RT: 7.728 min Scan# 958
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 82 Resp: 1183760

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	15.2	11.8	17.8



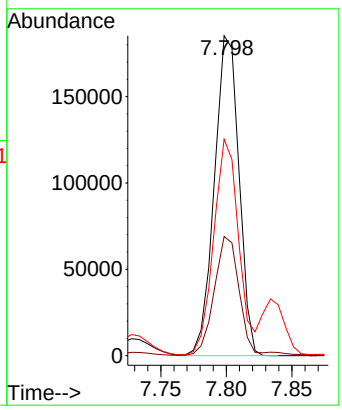


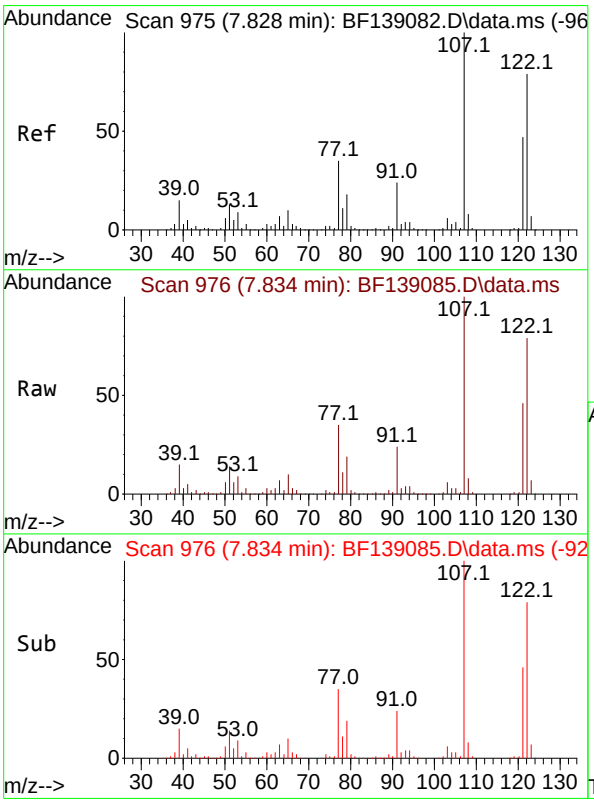
#26
2-Nitrophenol
Concen: 82.278 ng
RT: 7.798 min Scan# 9
Delta R.T. 0.005 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 241979

Ion	Ratio	Lower	Upper
139	100		
109	37.2	29.2	43.8
65	67.6	52.7	79.1

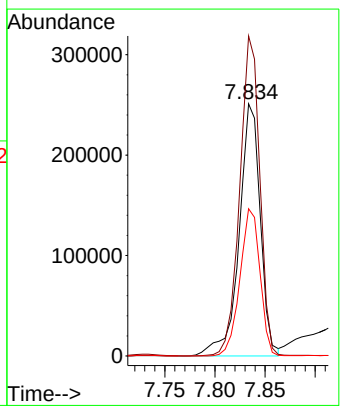


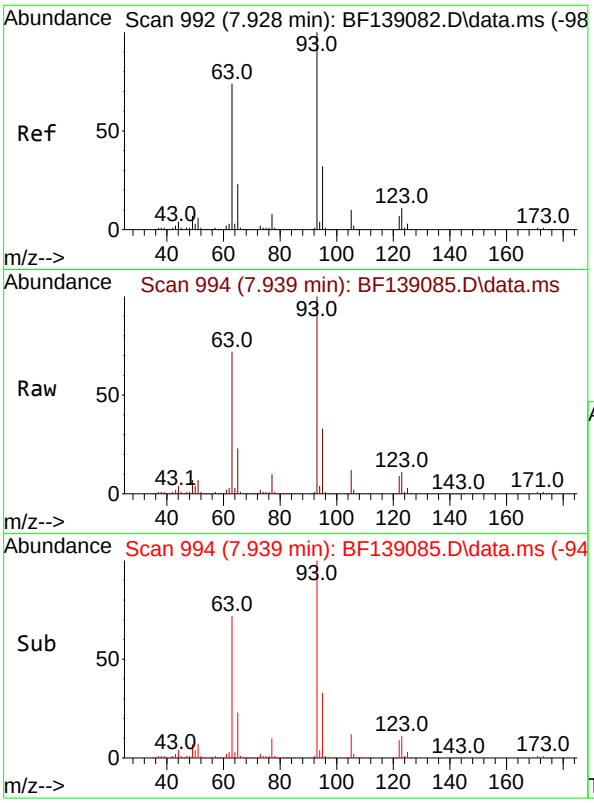


#27
2,4-Dimethylphenol
Concen: 76.193 ng
RT: 7.834 min Scan# 976
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:122 Resp: 369357

Ion	Ratio	Lower	Upper
122	100		
107	126.9	101.1	151.7
121	58.4	47.5	71.3



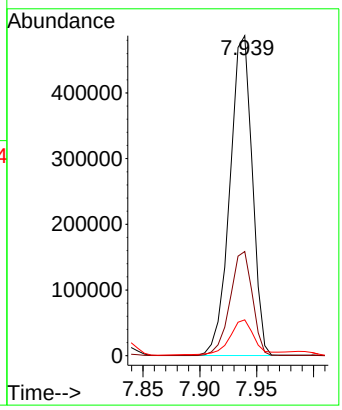


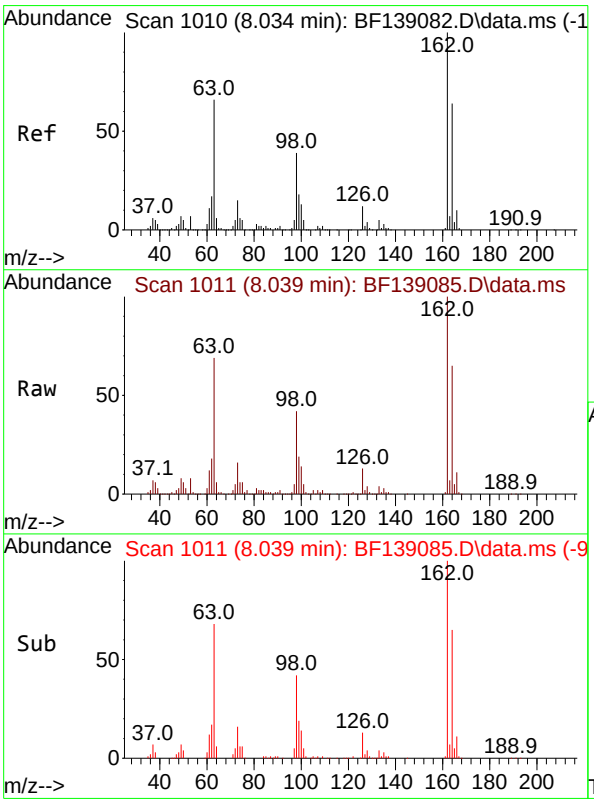
#28
bis(2-Chloroethoxy)methane
Concen: 74.518 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 665625

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.8	38.8
123	11.2	8.9	13.3

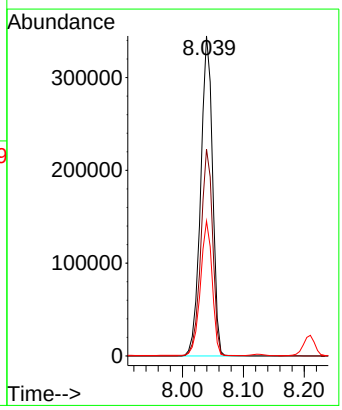


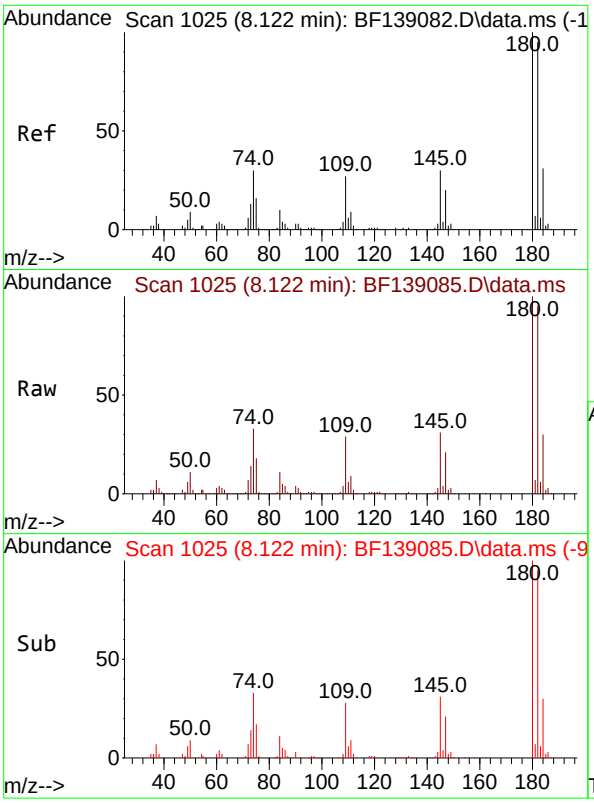


#29
2,4-Dichlorophenol
Concen: 77.769 ng
RT: 8.039 min Scan# 1011
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:162 Resp: 469669

Ion	Ratio	Lower	Upper
162	100		
164	64.6	43.9	83.9
98	42.1	19.7	59.7



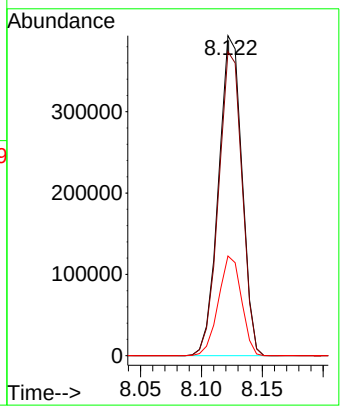


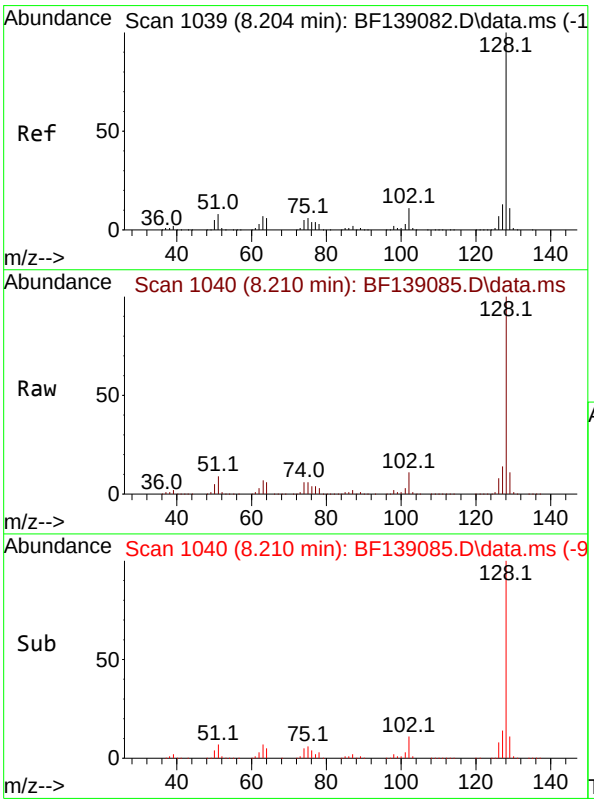
#30
1,2,4-Trichlorobenzene
Concen: 74.479 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:180 Resp: 526689

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.1	114.1
145	31.2	23.9	35.9

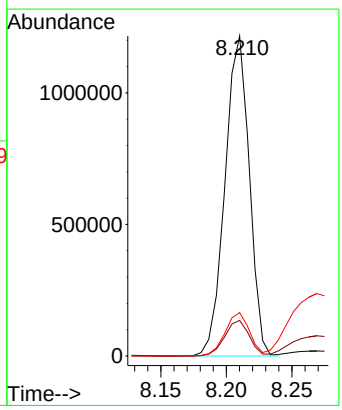


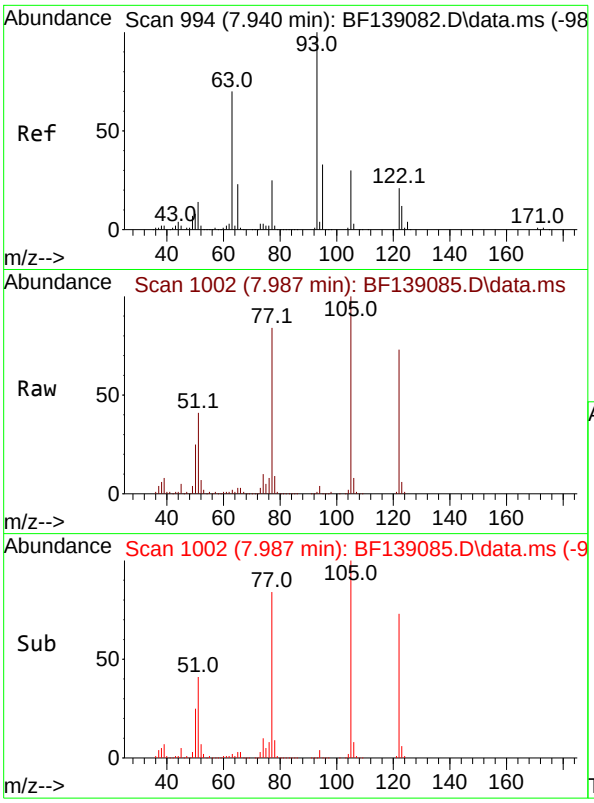


#31
Naphthalene
Concen: 73.993 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:128 Resp: 1571455

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.5	10.7	16.1



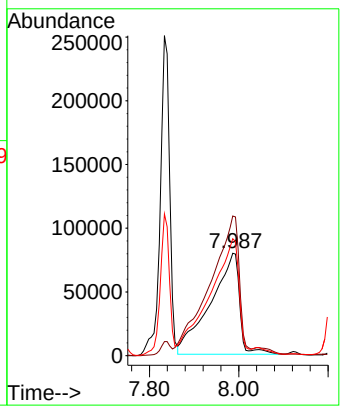


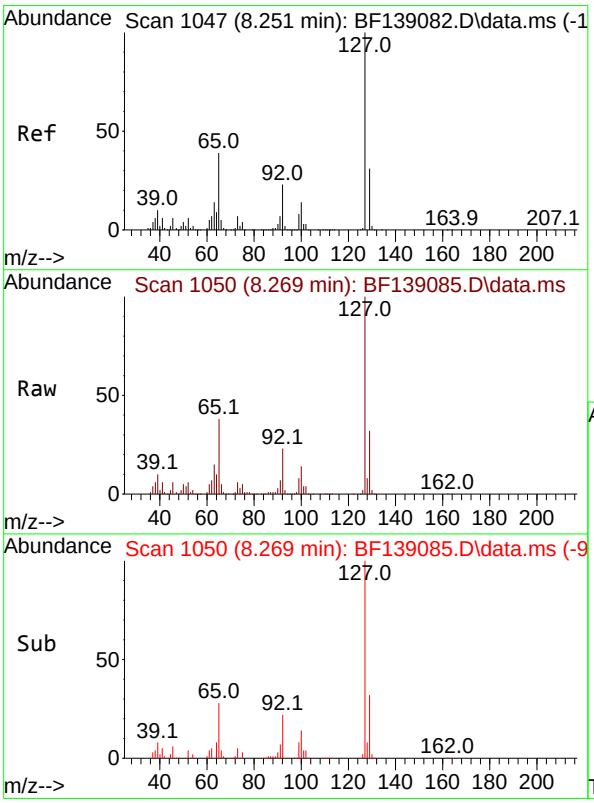
#32
Benzoic acid
Concen: 80.763 ng m
RT: 7.987 min Scan# 1
Delta R.T. 0.047 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 358794

Ion	Ratio	Lower	Upper
122	100		
105	136.3	119.6	159.6
77	114.3	97.6	137.6

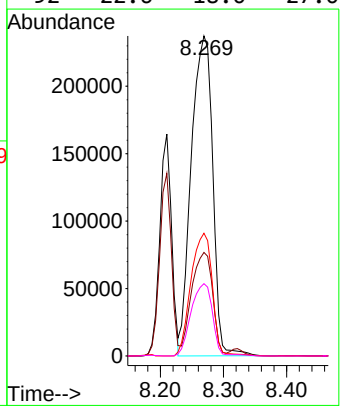


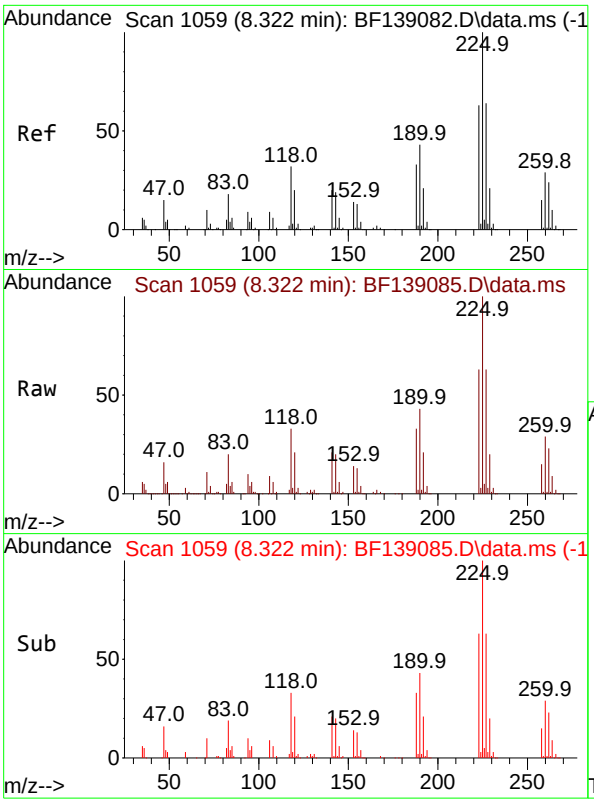


#33
4-Chloroaniline
Concen: 77.099 ng
RT: 8.269 min Scan# 1050
Delta R.T. 0.018 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:127 Resp: 560781

Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	38.3	30.3	45.5
92	22.6	18.0	27.0



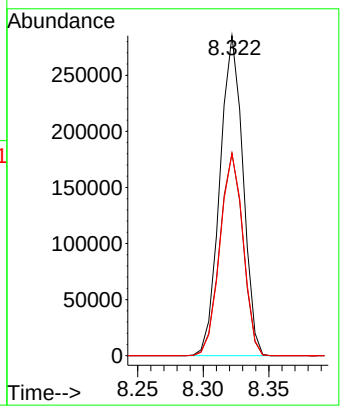


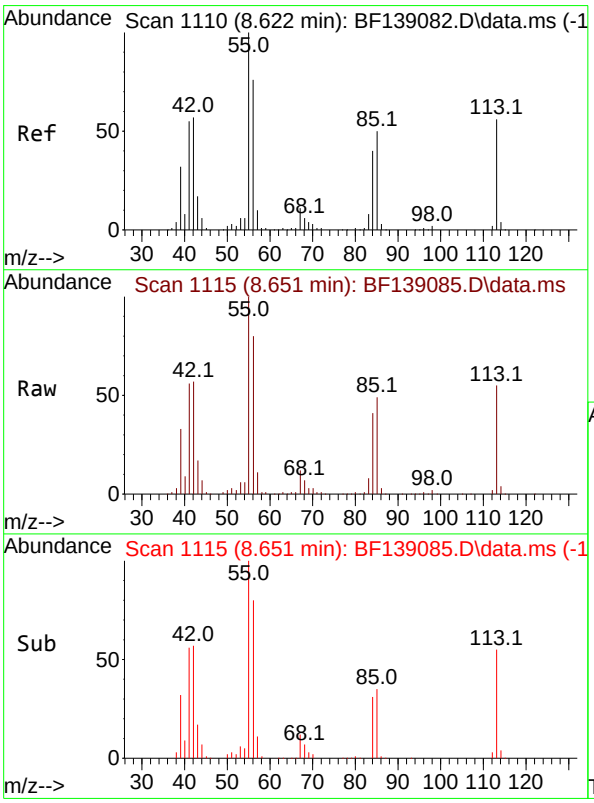
#34
Hexachlorobutadiene
Concen: 75.609 ng
RT: 8.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:225 Resp: 349276

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.0	75.0
227	63.2	51.4	77.2

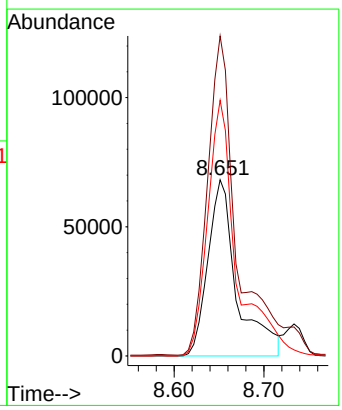


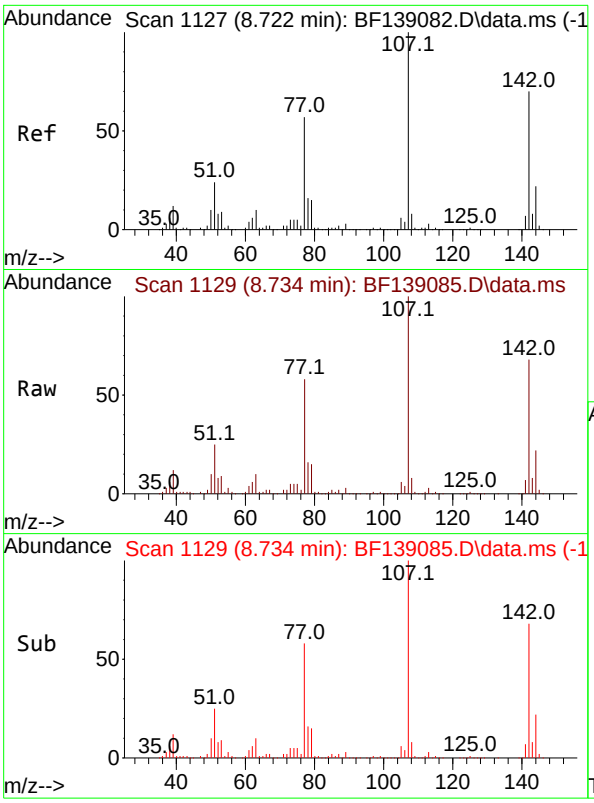


#35
Caprolactam
Concen: 79.912 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.029 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:113 Resp: 152988

Ion	Ratio	Lower	Upper
113	100		
55	181.6	158.6	198.6
56	145.1	115.9	155.9



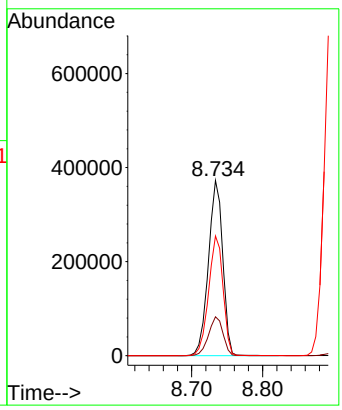


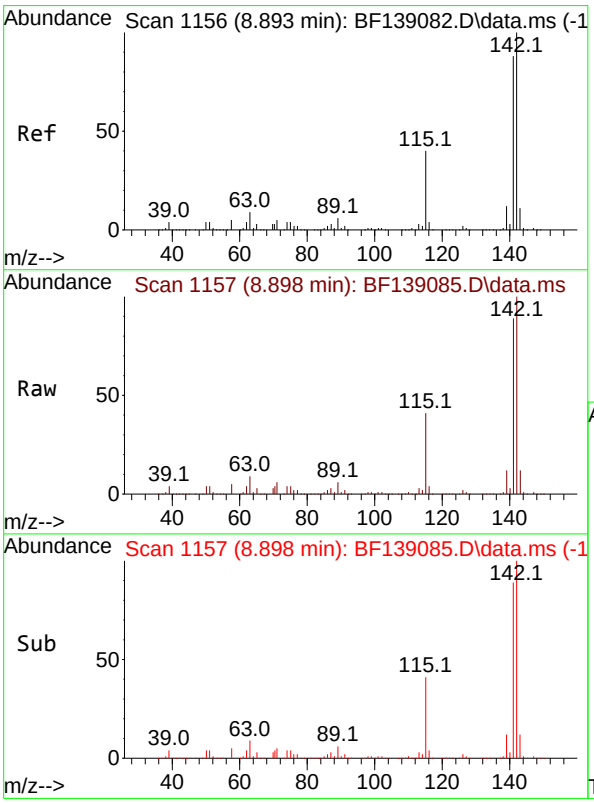
#36
4-Chloro-3-methylphenol
Concen: 78.405 ng
RT: 8.734 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 524285

Ion	Ratio	Lower	Upper
107	100		
144	22.2	17.7	26.5
142	68.4	55.6	83.4

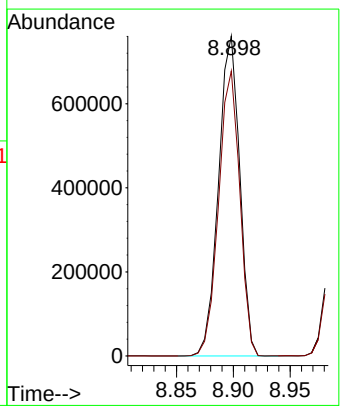


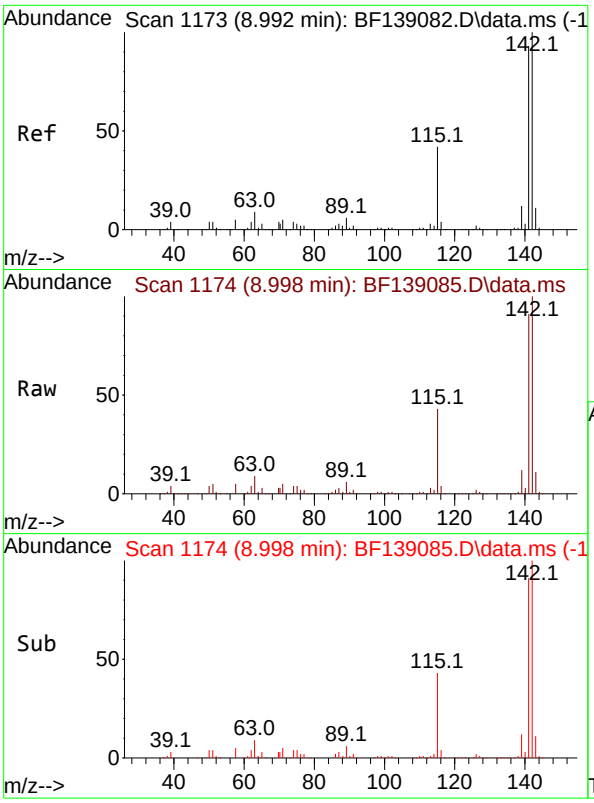


#37
2-Methylnaphthalene
Concen: 72.575 ng
RT: 8.898 min Scan# 1157
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:142 Resp: 988647

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.6	105.8



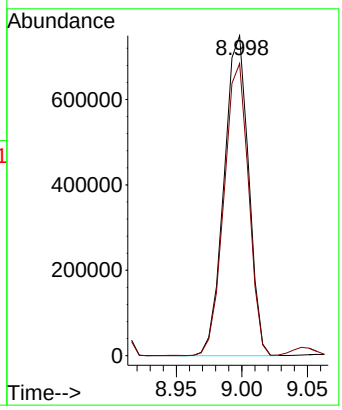


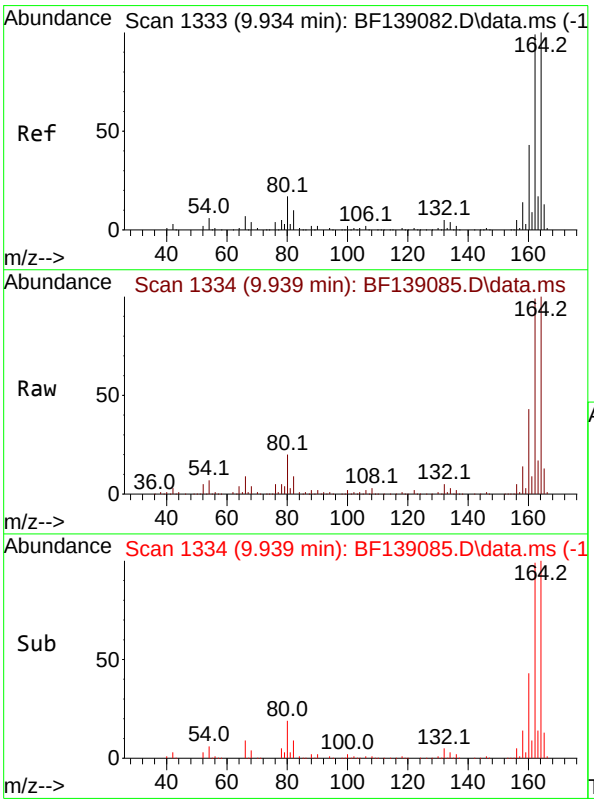
#38
1-Methylnaphthalene
Concen: 74.301 ng
RT: 8.998 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 976866

Ion	Ratio	Lower	Upper
142	100		
141	91.3	74.1	111.1

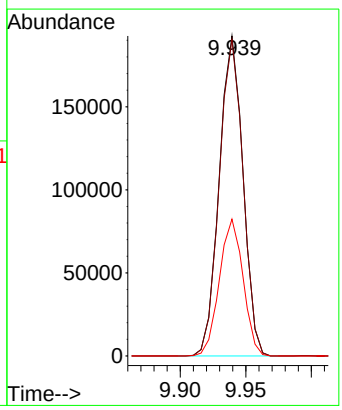


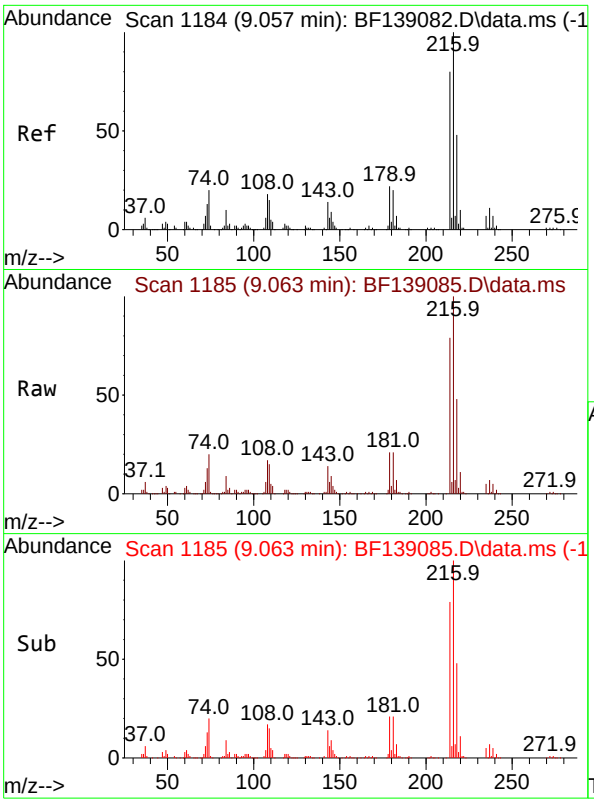


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1334
Delta R.T. 0.005 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:164 Resp: 242021

Ion	Ratio	Lower	Upper
164	100		
162	98.9	79.5	119.3
160	42.7	34.5	51.7



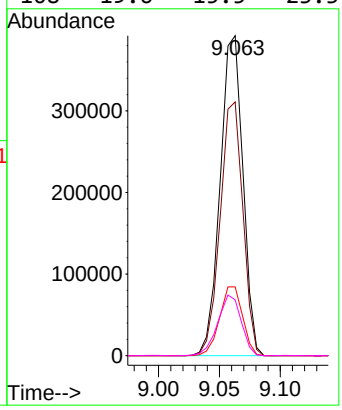


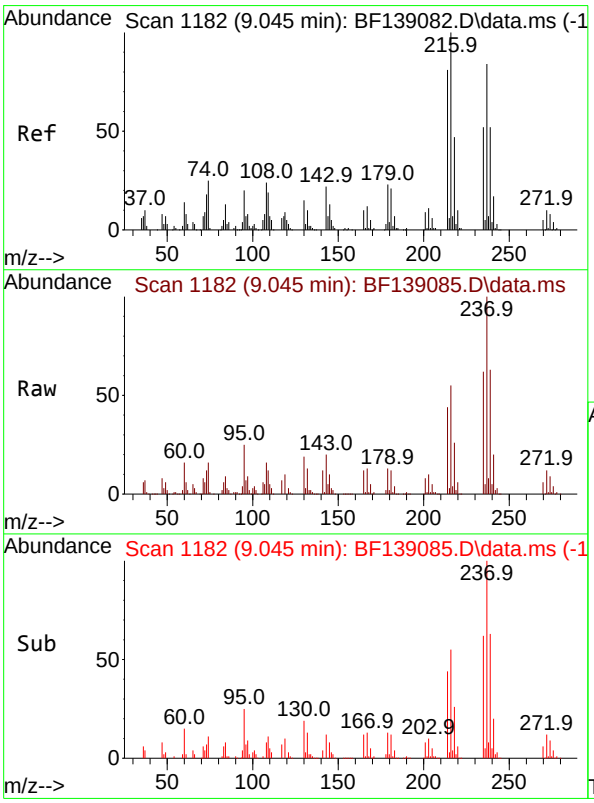
#40
1,2,4,5-Tetrachlorobenzene
Concen: 79.265 ng
RT: 9.063 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:216 Resp: 509728

Ion	Ratio	Lower	Upper
216	100		
214	79.3	64.2	96.2
179	21.8	17.4	26.2
108	19.6	15.5	23.3

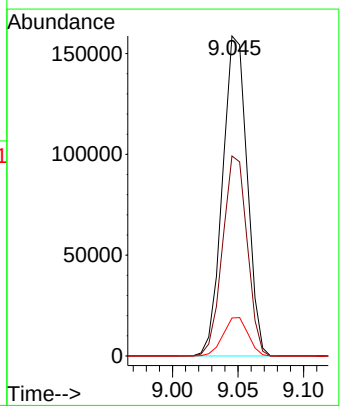


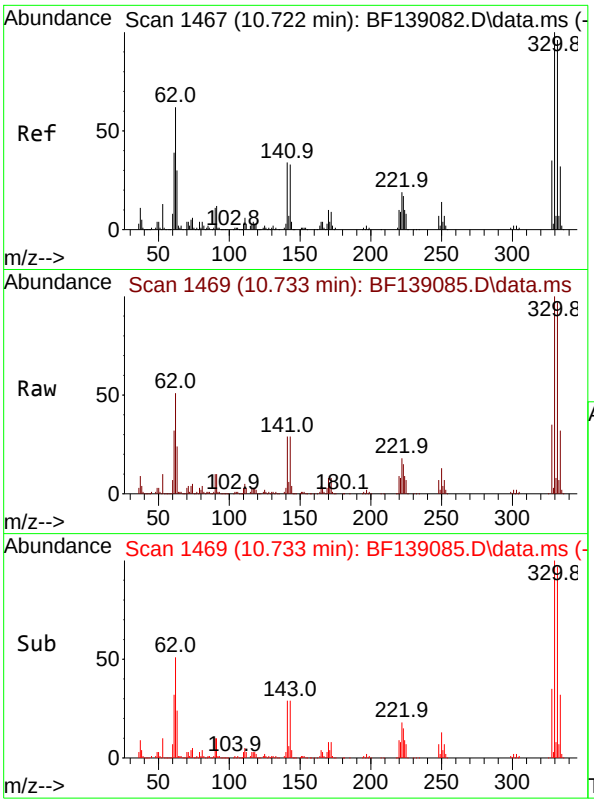


#41
Hexachlorocyclopentadiene
Concen: 81.380 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:237 Resp: 207241

Ion	Ratio	Lower	Upper
237	100		
235	62.5	42.5	82.5
272	11.8	0.0	32.0



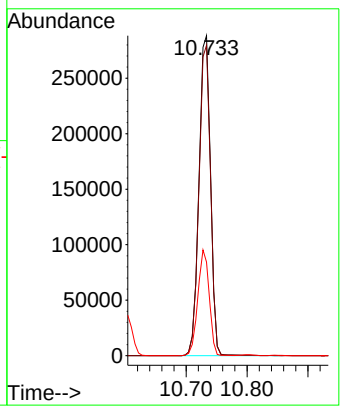


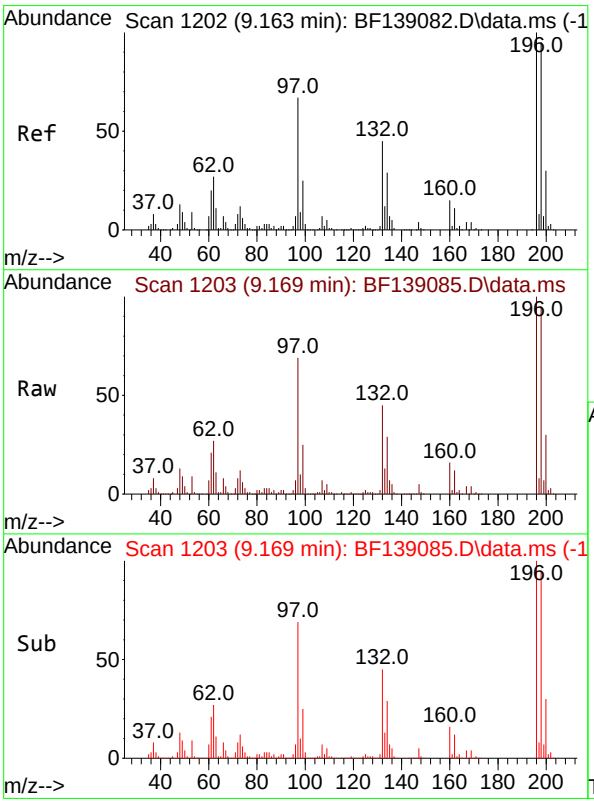
#42
2,4,6-Tribromophenol
Concen: 172.322 ng
RT: 10.733 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:330 Resp: 377555

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	32.8	27.5	41.3

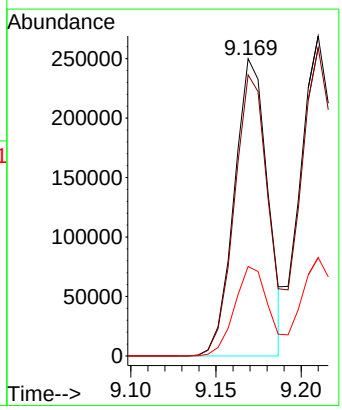


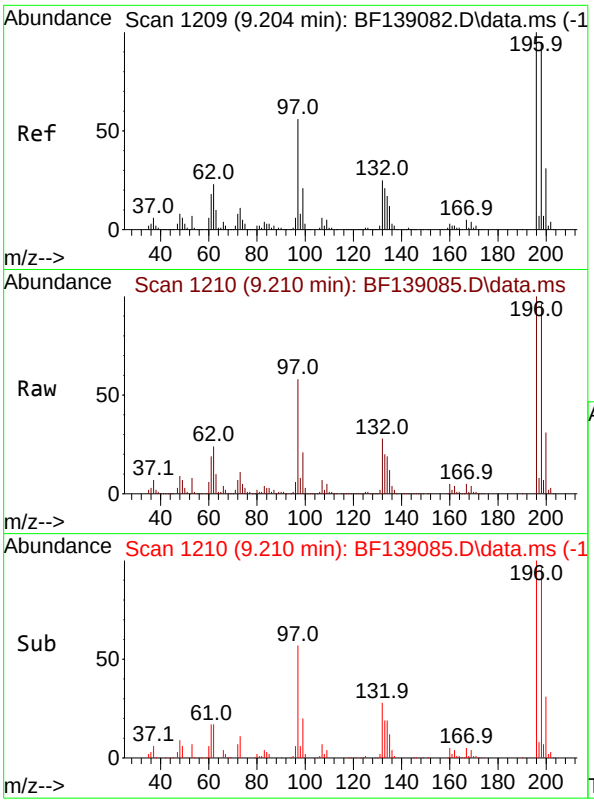


#43
2,4,6-Trichlorophenol
Concen: 75.883 ng
RT: 9.169 min Scan# 1203
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:196 Resp: 339303

Ion	Ratio	Lower	Upper
196	100		
198	94.6	76.4	114.6
200	30.1	23.8	35.8



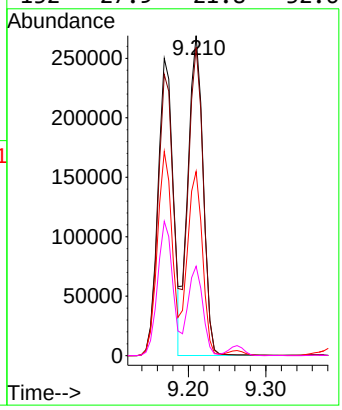


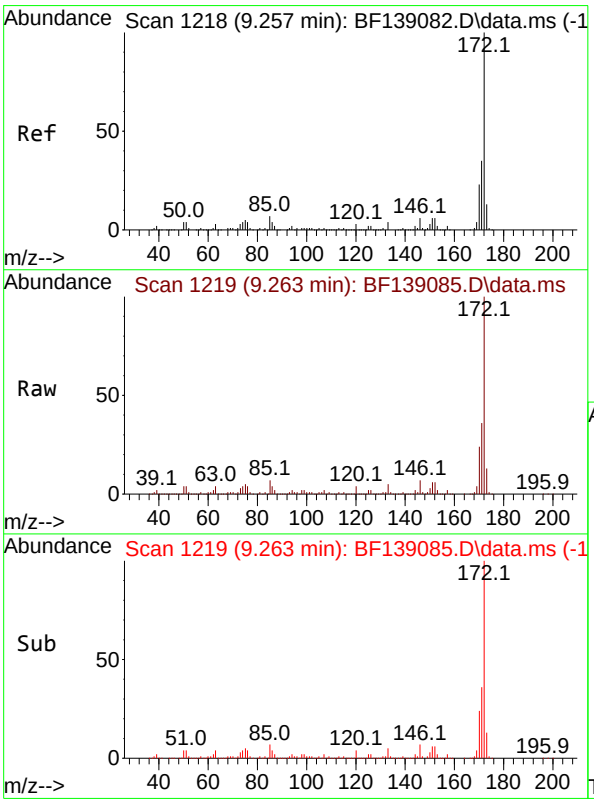
#44
2,4,5-Trichlorophenol
Concen: 80.042 ng
RT: 9.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 367371

Ion	Ratio	Lower	Upper
196	100		
198	96.4	76.6	114.8
97	57.5	44.6	67.0
132	27.9	21.8	32.6

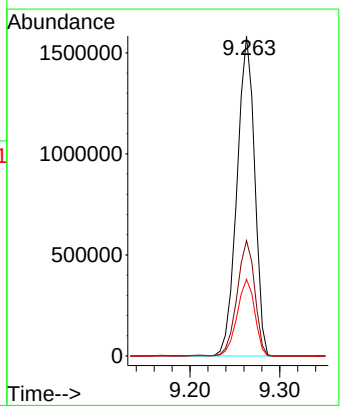


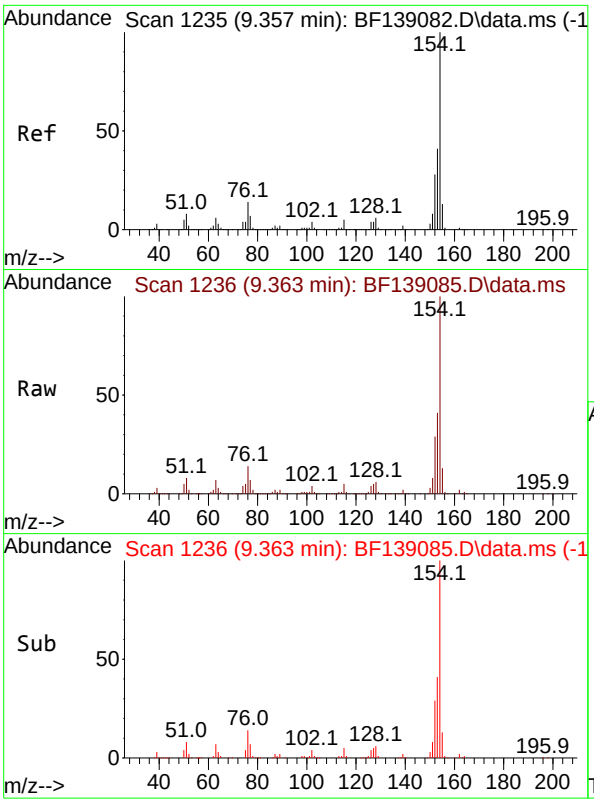


#45
2-Fluorobiphenyl
Concen: 141.721 ng
RT: 9.263 min Scan# 1219
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:172 Resp: 2161810

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.4	42.6
170	24.0	18.8	28.2



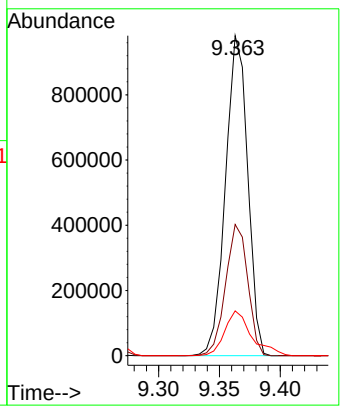


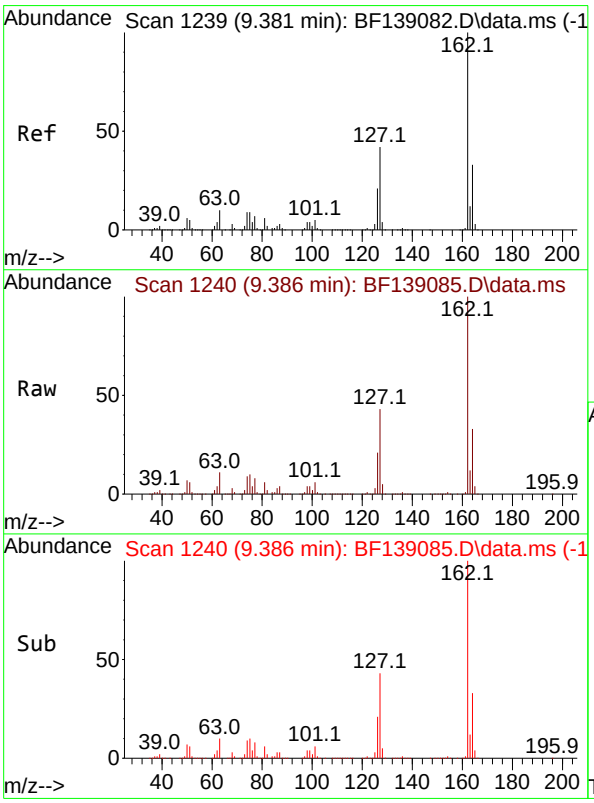
#46
1,1'-Biphenyl
Concen: 75.109 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 1245232

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.6	60.6
76	14.0	0.0	33.6

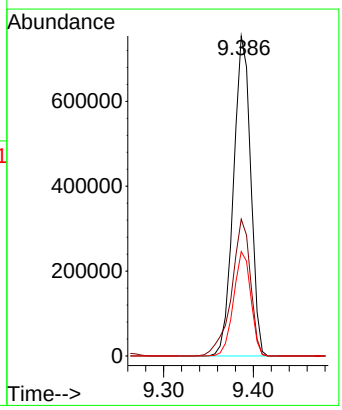


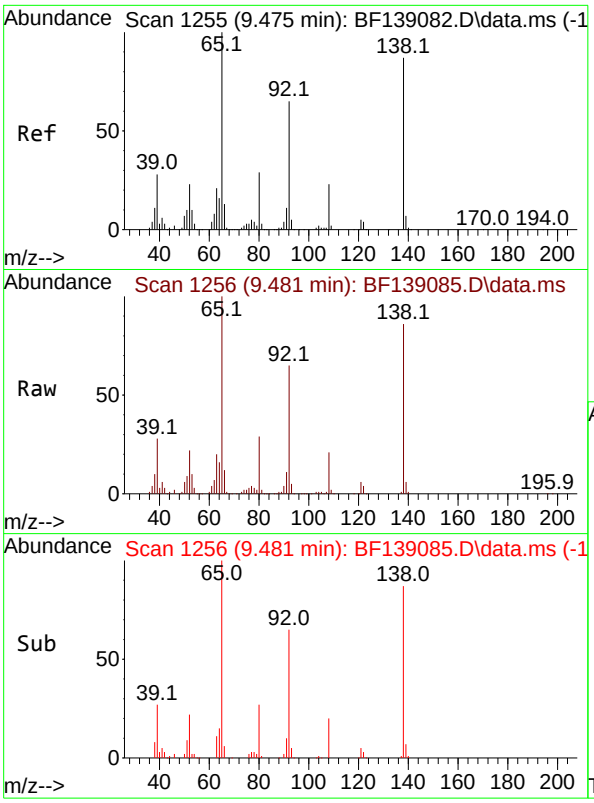


#47
2-Chloronaphthalene
Concen: 74.569 ng
RT: 9.386 min Scan# 1240
Delta R.T. 0.005 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:162 Resp: 1004510

Ion	Ratio	Lower	Upper
162	100		
127	42.8	33.8	50.6
164	32.6	26.3	39.5



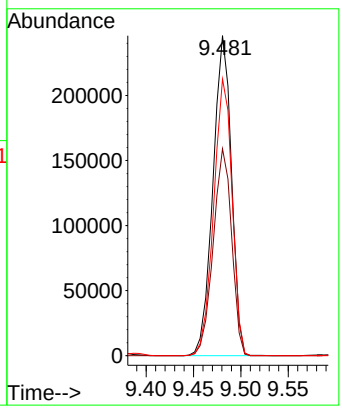


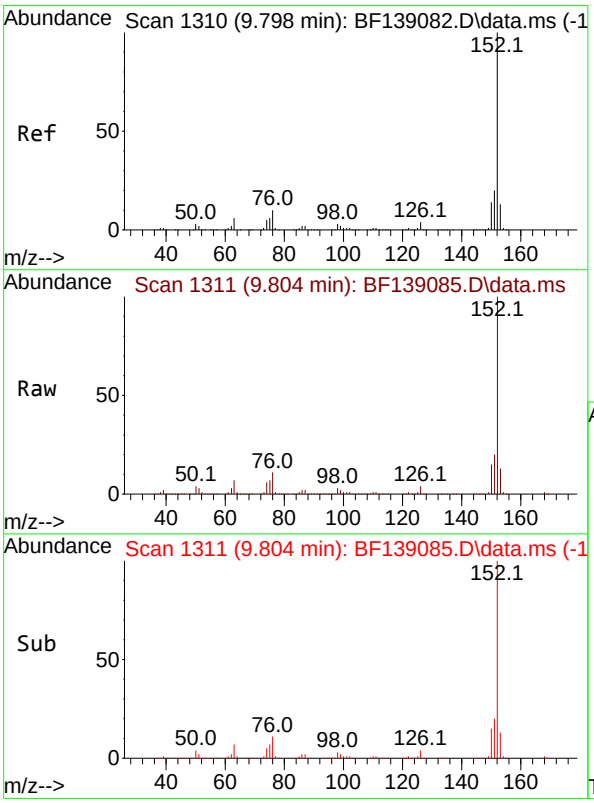
#48
2-Nitroaniline
Concen: 82.036 ng
RT: 9.481 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 65 Resp: 334286

Ion	Ratio	Lower	Upper
65	100		
92	64.6	52.4	78.6
138	86.4	69.4	104.0

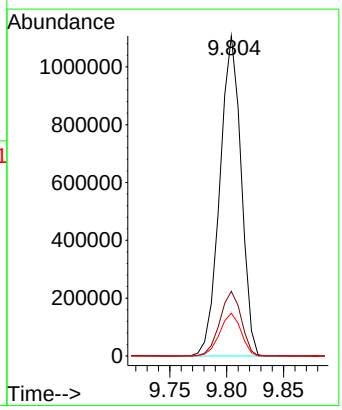


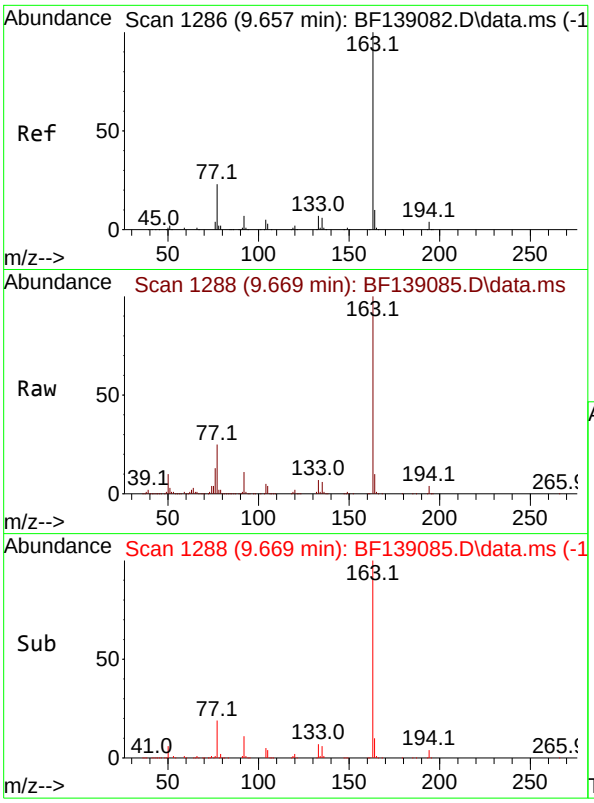


#49
Acenaphthylene
Concen: 74.784 ng
RT: 9.804 min Scan# 1311
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:152 Resp: 1443121

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.4	10.6	15.8



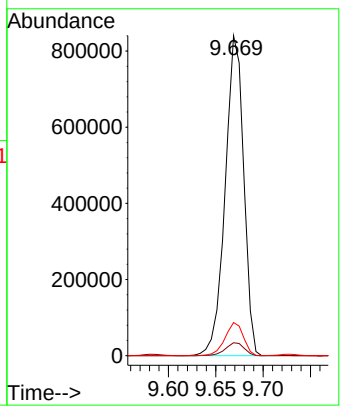


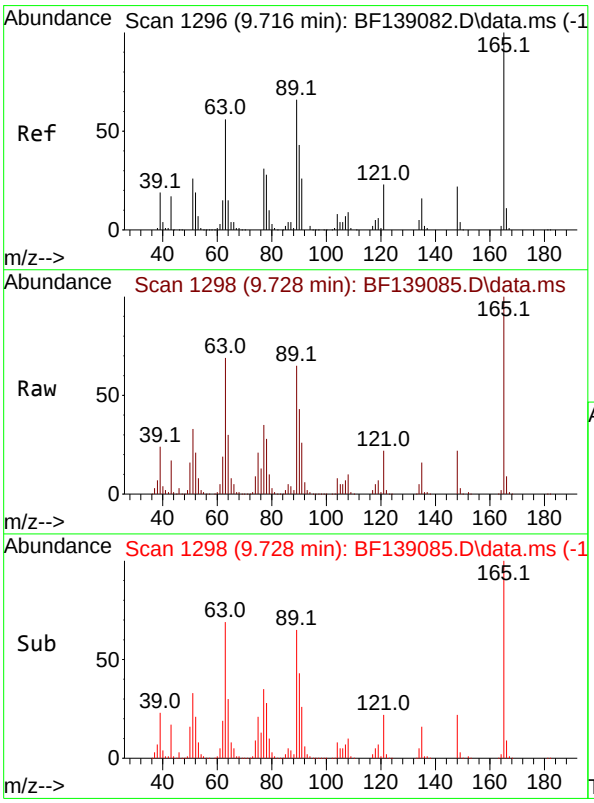
#50
Dimethylphthalate
Concen: 76.696 ng
RT: 9.669 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:163 Resp: 1145946

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.4	8.2	12.2

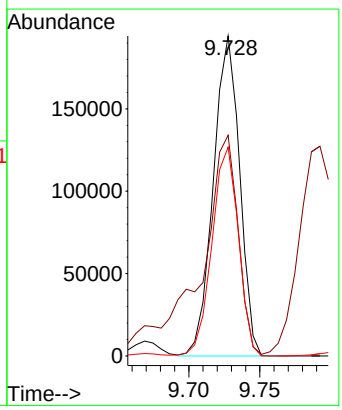


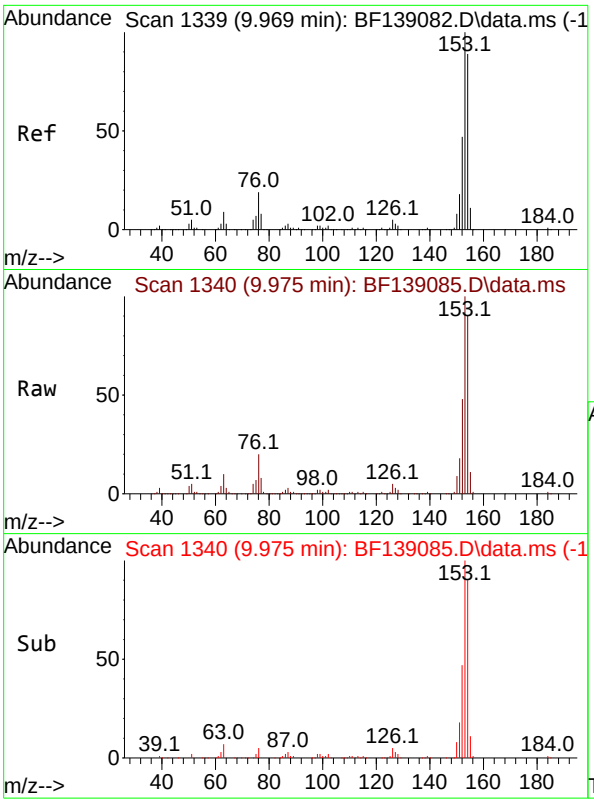


#51
2,6-Dinitrotoluene
Concen: 80.164 ng
RT: 9.728 min Scan# 1298
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:165 Resp: 250261

Ion	Ratio	Lower	Upper
165	100		
63	68.9	58.0	87.0
89	65.2	53.3	79.9



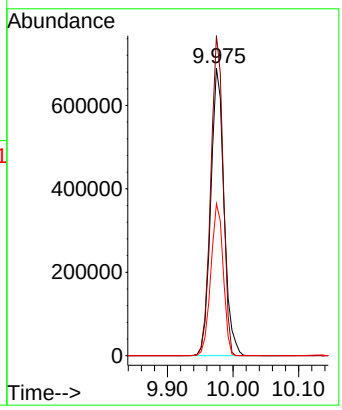


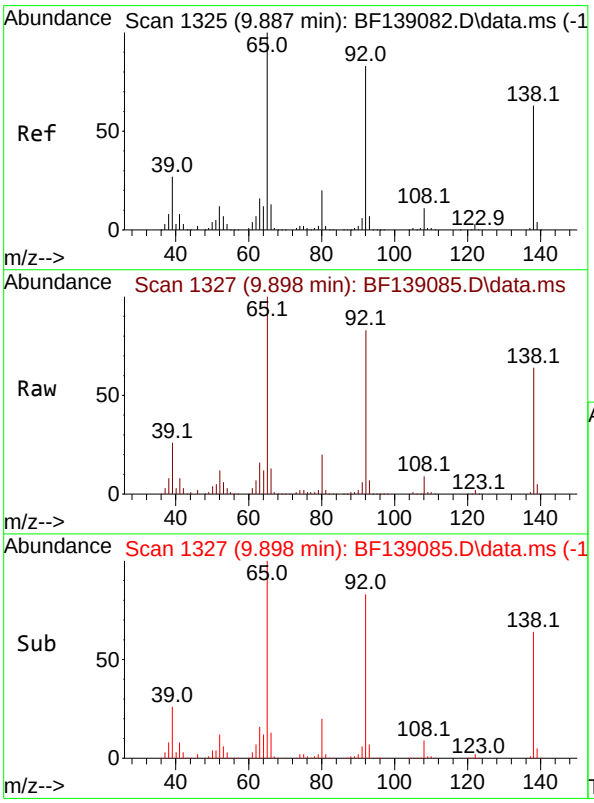
#52
Acenaphthene
Concen: 76.056 ng
RT: 9.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 969490

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.7	134.5
152	52.9	42.3	63.5

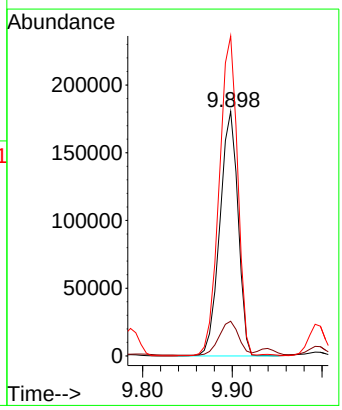


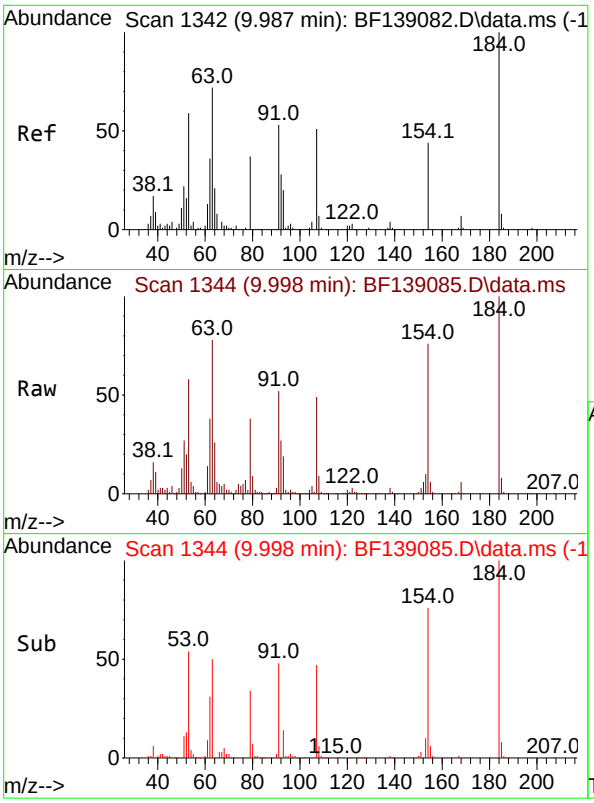


#53
3-Nitroaniline
Concen: 80.737 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.011 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:138 Resp: 254287

Ion	Ratio	Lower	Upper
138	100		
108	14.2	14.6	21.8#
92	130.9	105.9	158.9



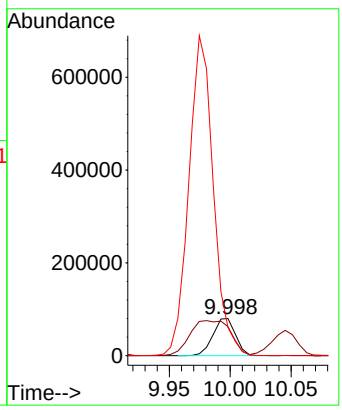


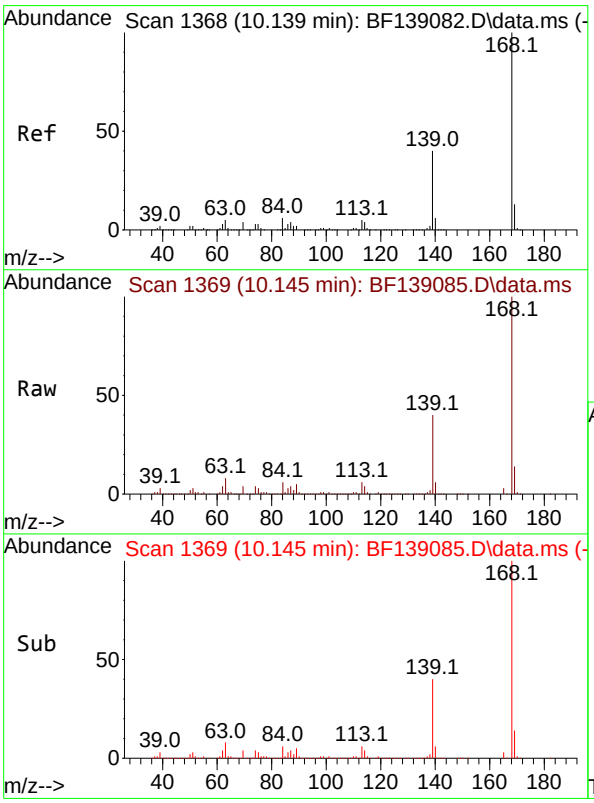
#54
2,4-Dinitrophenol
Concen: 79.421 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.011 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 103715

Ion	Ratio	Lower	Upper
184	100		
63	78.2	70.5	105.7
154	76.1	135.0	202.6#

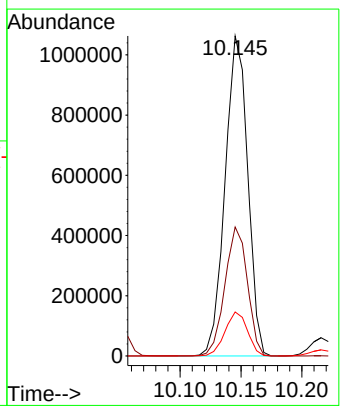


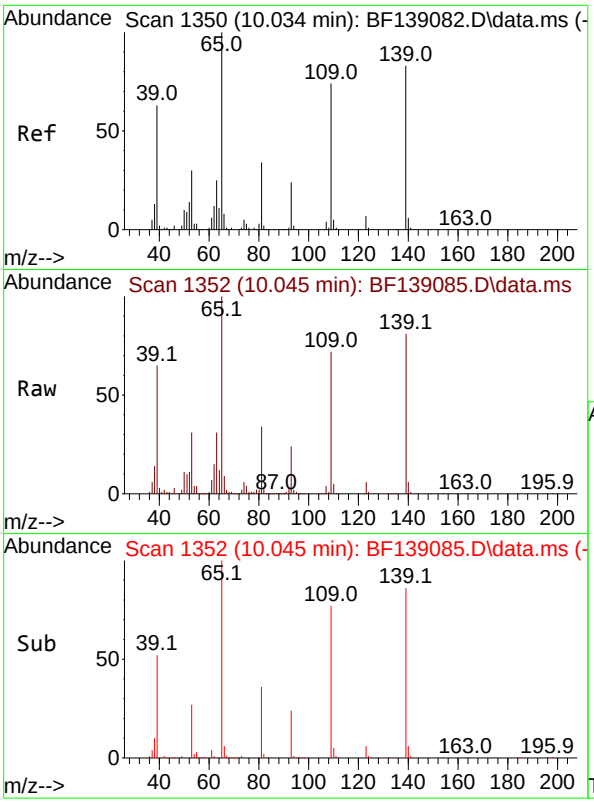


#55
Dibenzofuran
Concen: 74.168 ng
RT: 10.145 min Scan# 1369
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:168 Resp: 1373209

Ion	Ratio	Lower	Upper
168	100		
139	40.3	31.6	47.4
169	13.8	10.7	16.1



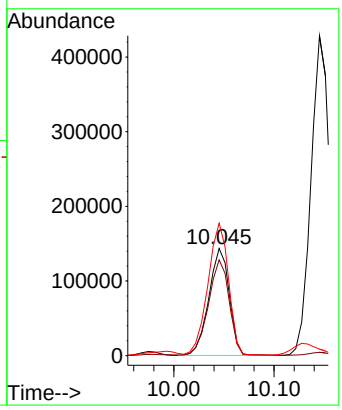


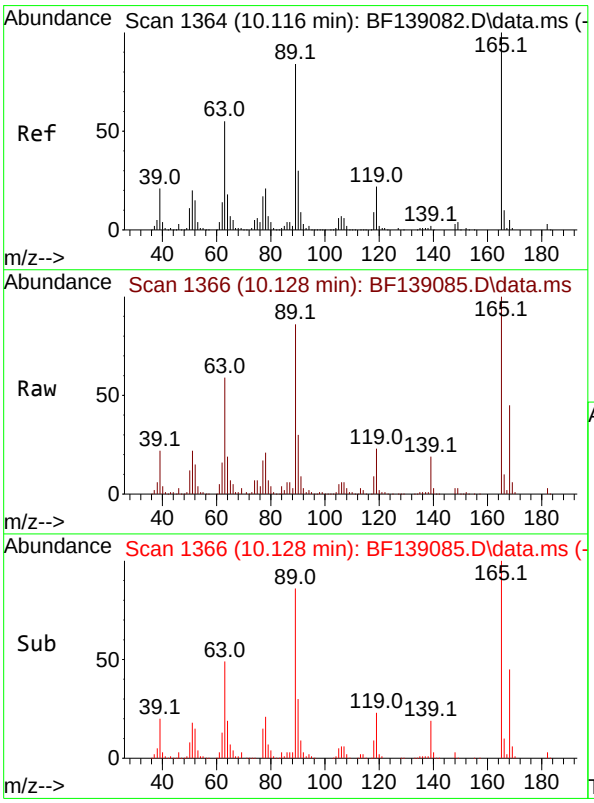
#56
4-Nitrophenol
Concen: 90.256 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.011 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 203843

Ion	Ratio	Lower	Upper
139	100		
109	89.3	68.8	108.8
65	123.6	101.3	141.3

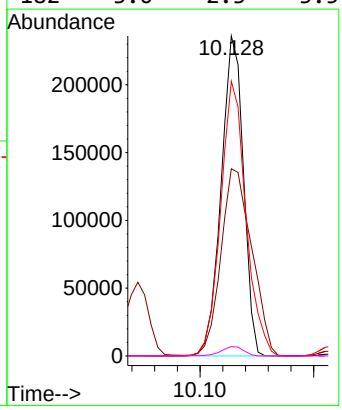


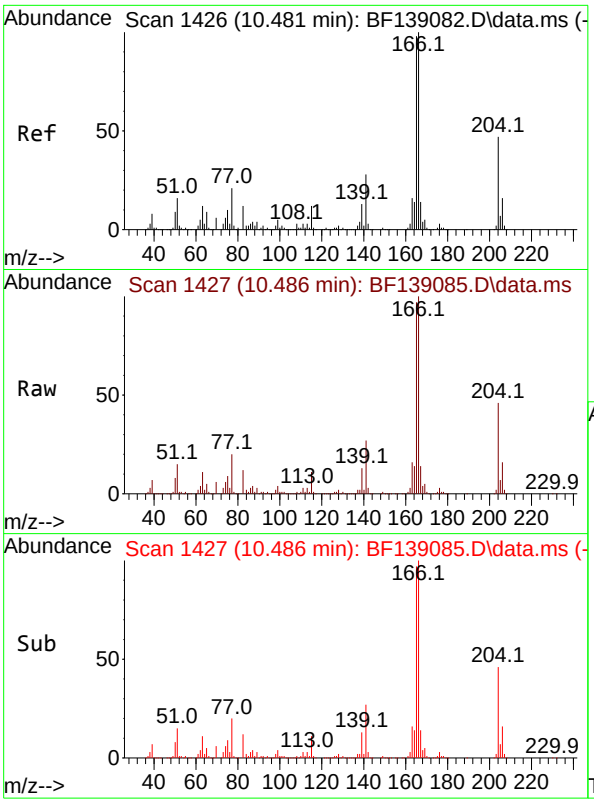


#57
2,4-Dinitrotoluene
Concen: 81.030 ng
RT: 10.128 min Scan# 1366
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:165 Resp: 320658

Ion	Ratio	Lower	Upper
165	100		
63	58.5	44.2	66.4
89	85.9	67.4	101.2
182	3.0	2.3	3.5



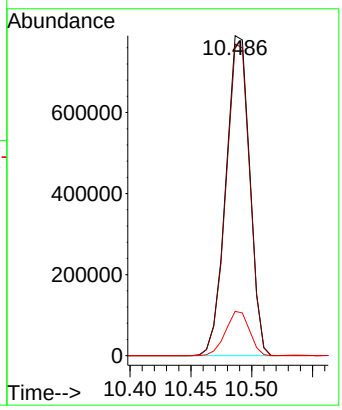


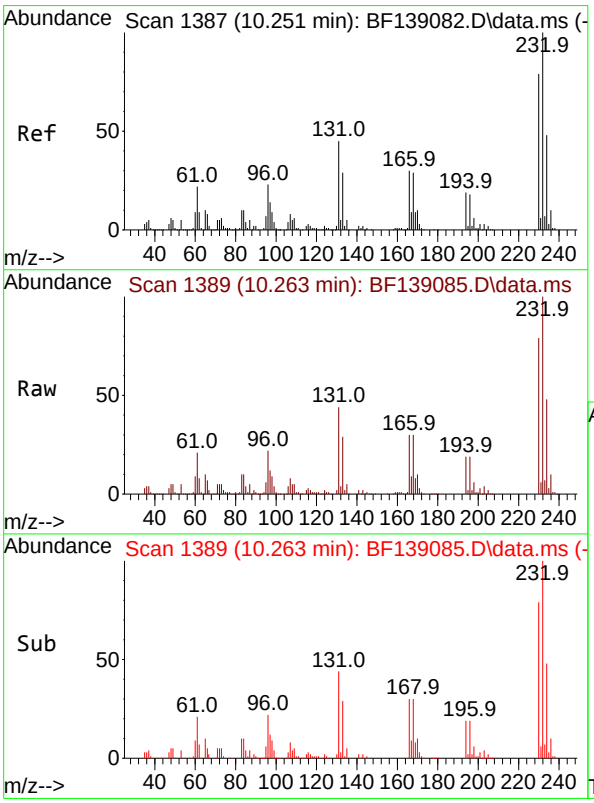
#58
Fluorene
Concen: 72.990 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:166 Resp: 1079992

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.0	117.0
167	13.8	11.0	16.4

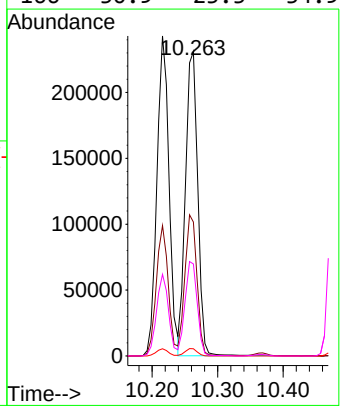


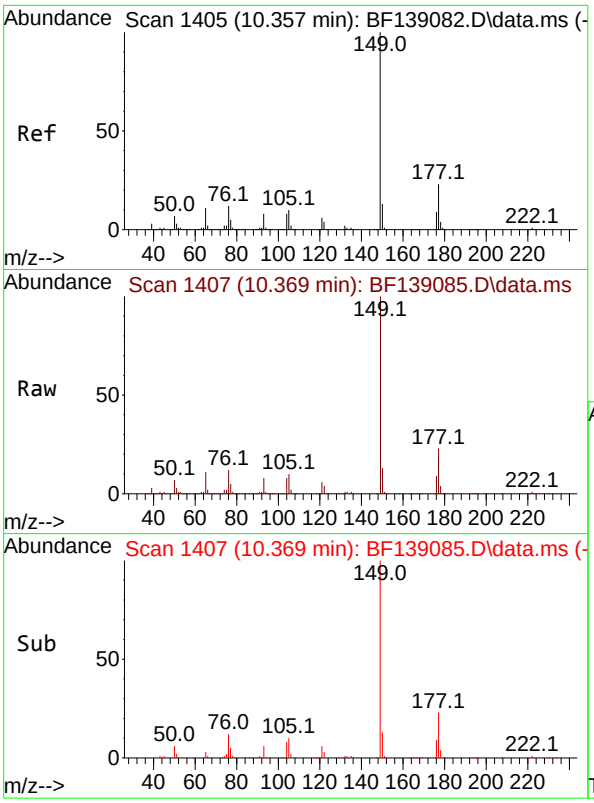


#59
2,3,4,6-Tetrachlorophenol
Concen: 81.079 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:232 Resp: 298788

Ion	Ratio	Lower	Upper
232	100		
131	45.7	36.0	54.0
130	2.4	2.0	3.0
166	30.9	23.3	34.9



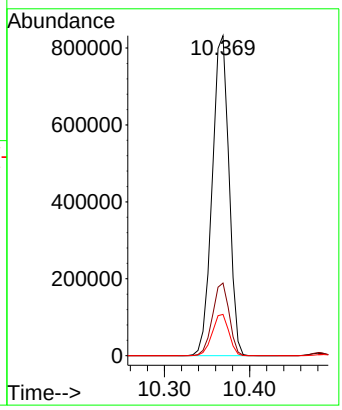


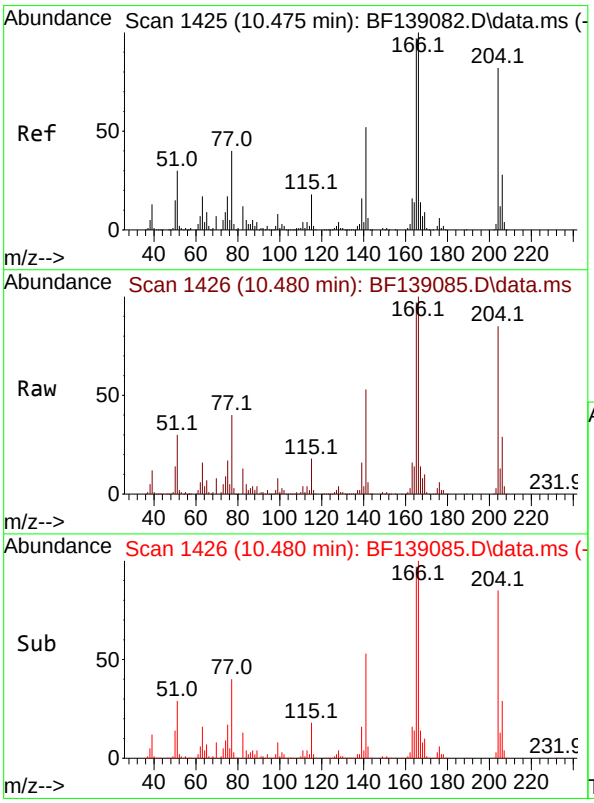
#60
Diethylphthalate
Concen: 76.563 ng
RT: 10.369 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1133466

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.4	27.6
150	12.9	10.2	15.2

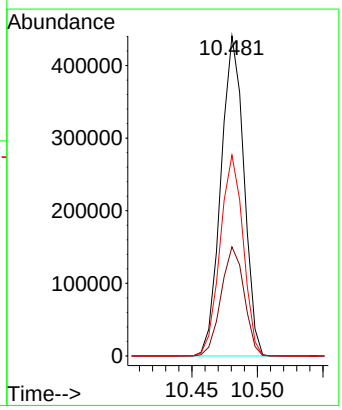


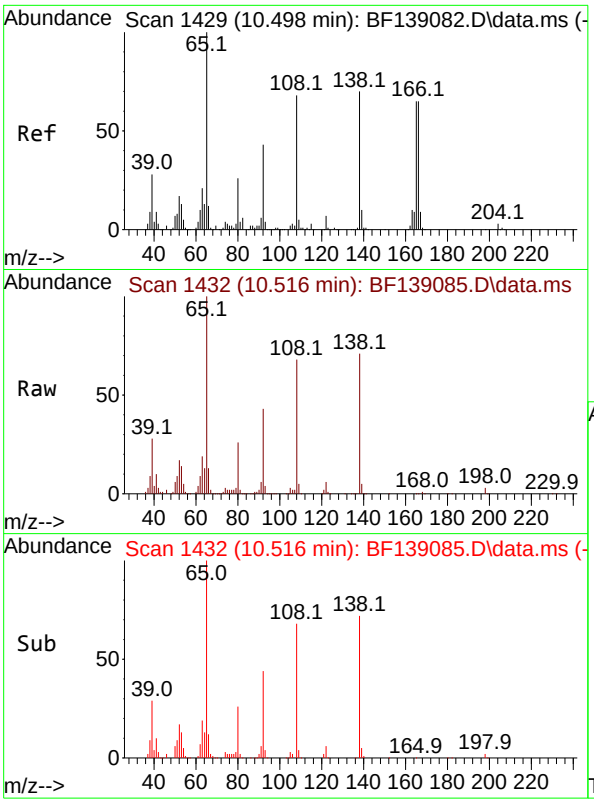


#61
4-Chlorophenyl-phenylether
Concen: 72.609 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:204 Resp: 536572

Ion	Ratio	Lower	Upper
204	100		
206	34.1	27.0	40.4
141	62.8	50.9	76.3



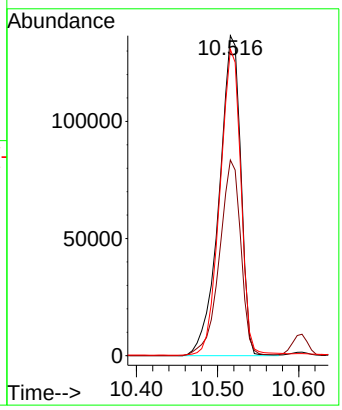


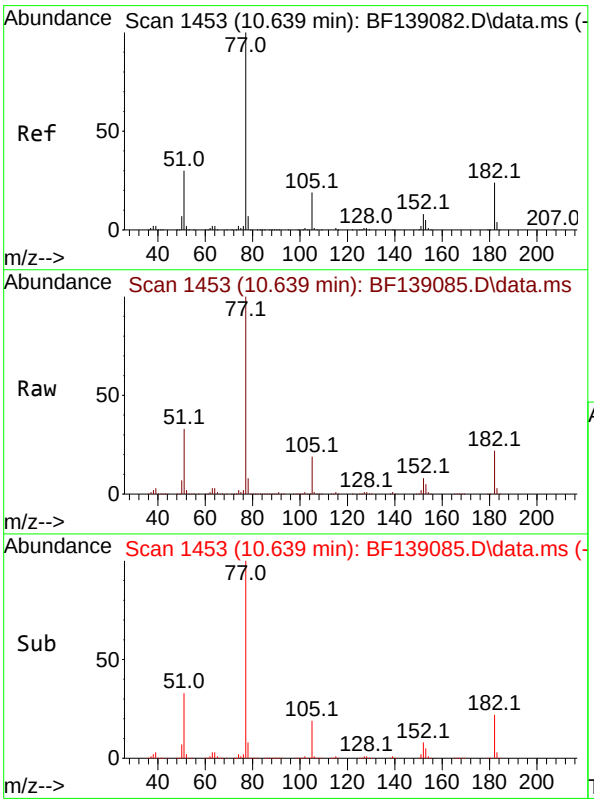
#62
4-Nitroaniline
Concen: 79.854 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.018 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 253076

Ion	Ratio	Lower	Upper
138	100		
92	61.1	41.4	81.4
108	95.7	76.8	116.8

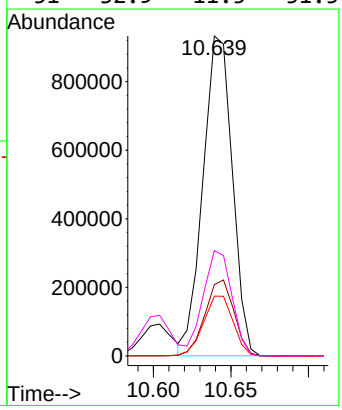


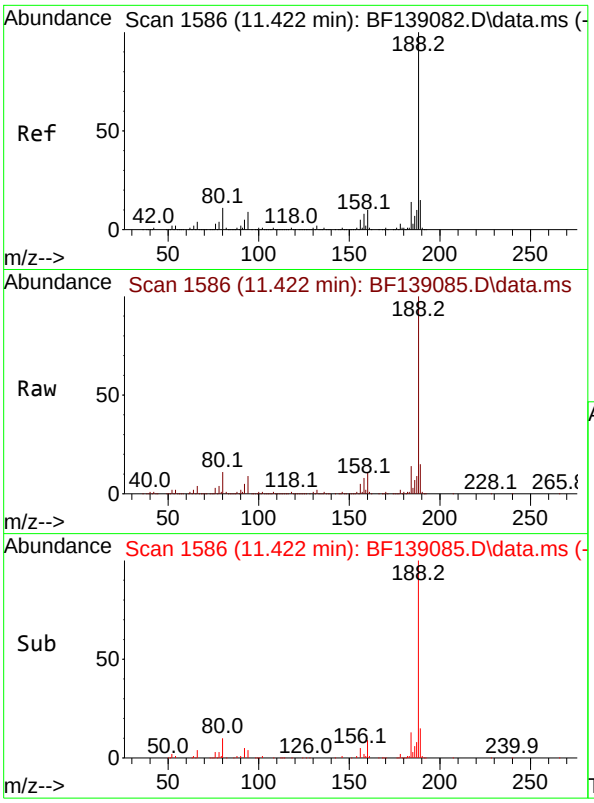


#63
Azobenzene
Concen: 74.792 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 77 Resp: 1230472

Ion	Ratio	Lower	Upper
77	100		
182	22.3	4.0	44.0
105	18.7	0.0	39.1
51	32.9	11.5	51.5



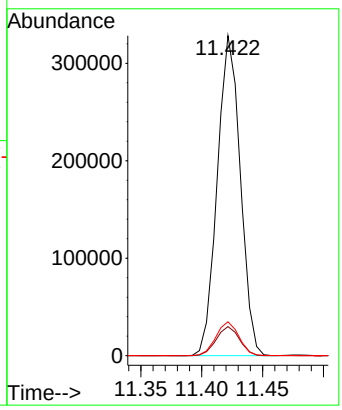


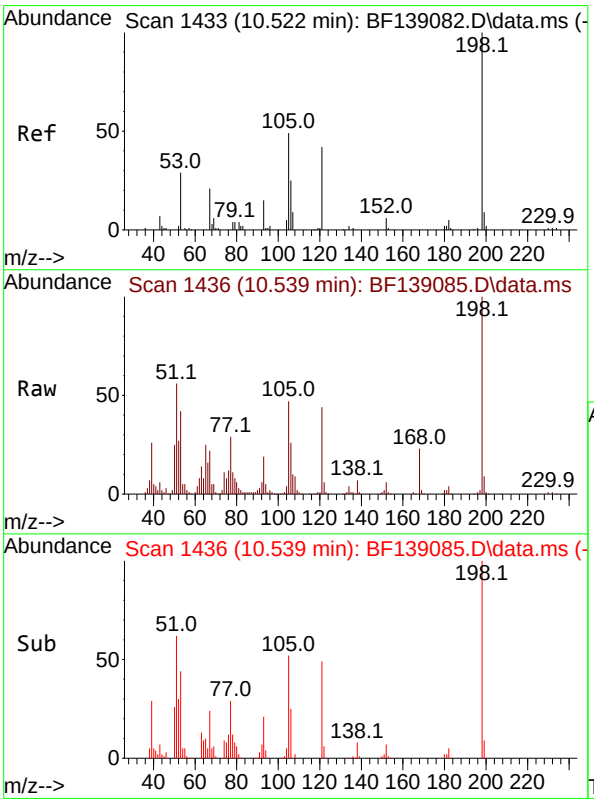
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:188 Resp: 432963

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	10.6	8.5	12.7

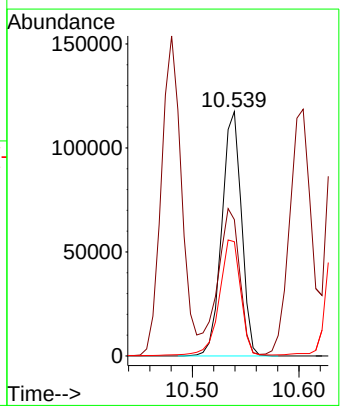


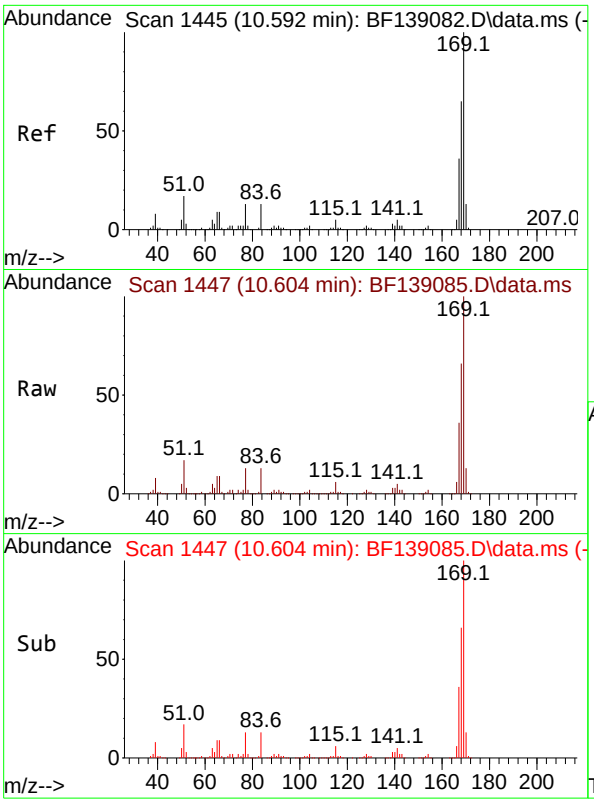


#65
4,6-Dinitro-2-methylphenol
Concen: 79.254 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.017 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:198 Resp: 149962

Ion	Ratio	Lower	Upper
198	100		
51	55.8	40.8	80.8
105	46.7	30.9	70.9



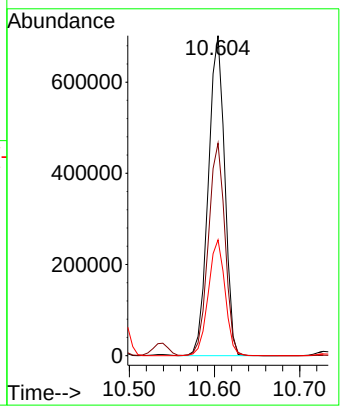


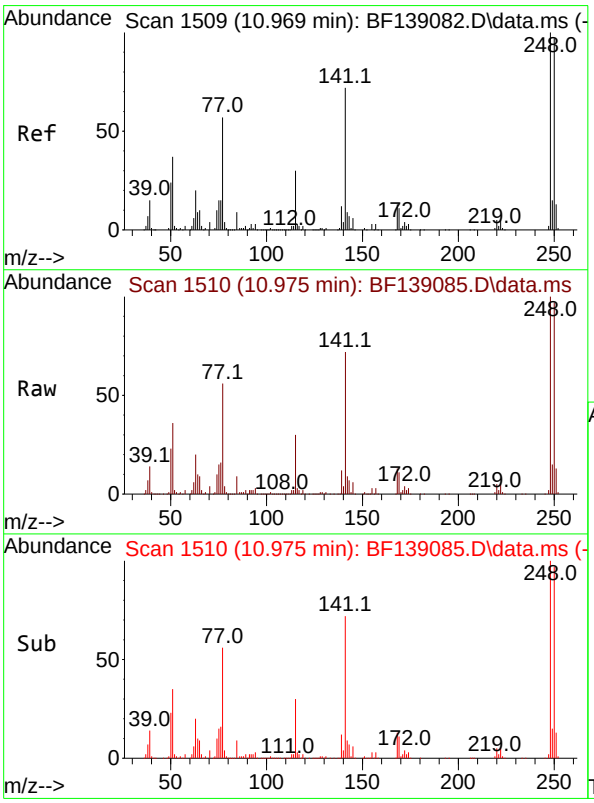
#66
n-Nitrosodiphenylamine
Concen: 73.033 ng
RT: 10.604 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:169 Resp: 935624

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.4	78.6
167	36.2	28.6	43.0

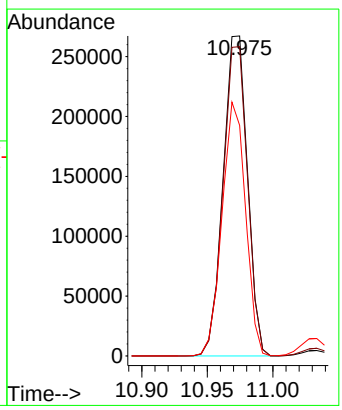


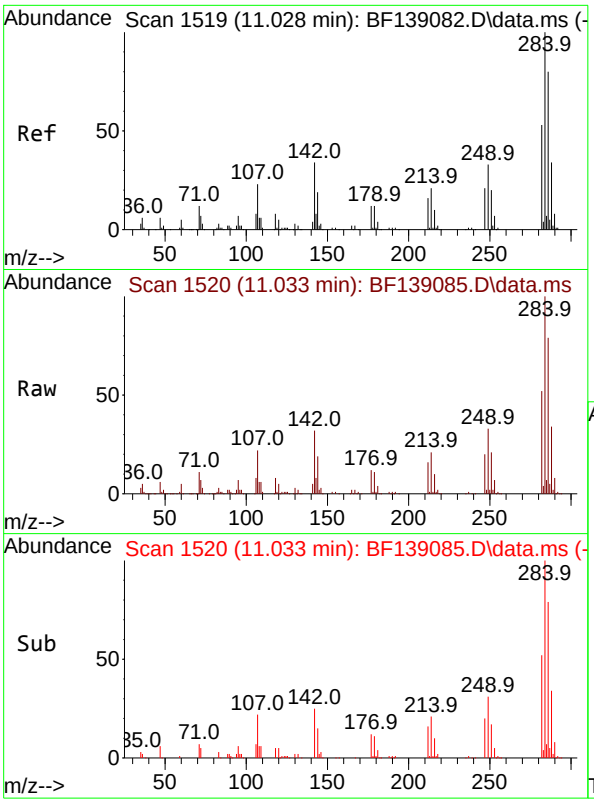


#67
4-Bromophenyl-phenylether
Concen: 75.518 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:248 Resp: 346464

Ion	Ratio	Lower	Upper
248	100		
250	96.6	77.8	116.8
141	72.1	57.9	86.9



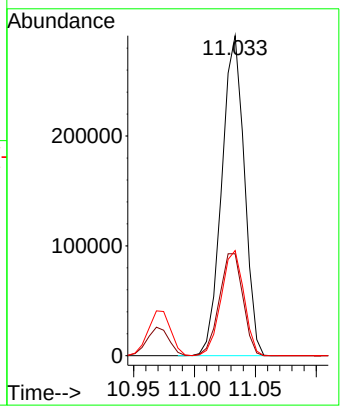


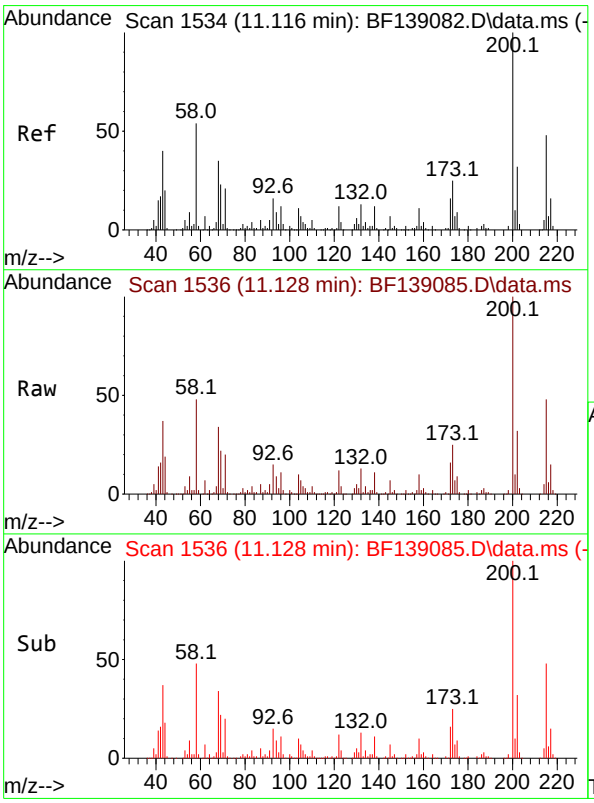
#68
Hexachlorobenzene
Concen: 76.266 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:284 Resp: 375376

Ion	Ratio	Lower	Upper
284	100		
142	31.8	27.1	40.7
249	32.9	26.8	40.2

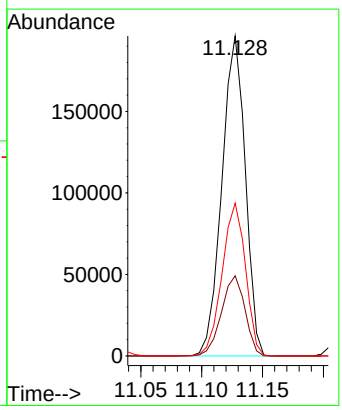


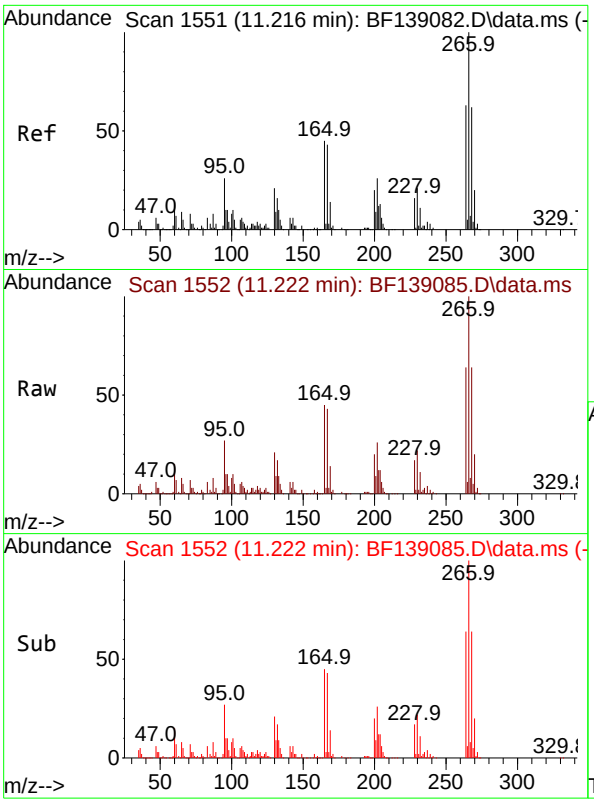


#69
Atrazine
Concen: 67.059 ng
RT: 11.128 min Scan# 1536
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:200 Resp: 262373

Ion	Ratio	Lower	Upper
200	100		
173	25.1	5.2	45.2
215	47.7	27.9	67.9



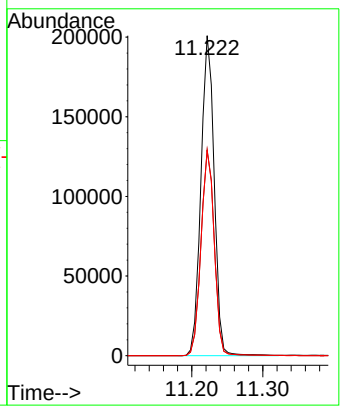


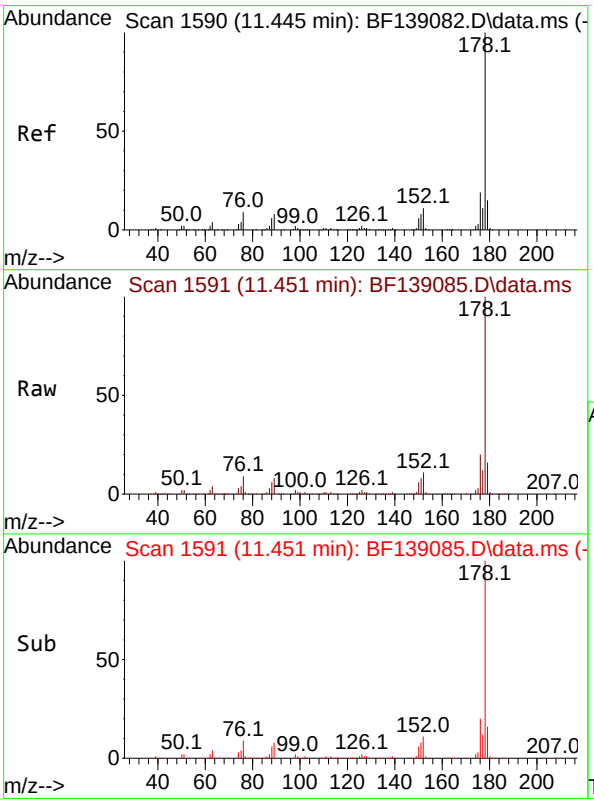
#70
Pentachlorophenol
Concen: 83.122 ng
RT: 11.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:266 Resp: 261340

Ion	Ratio	Lower	Upper
266	100		
268	64.3	49.5	74.3
264	64.1	50.0	75.0

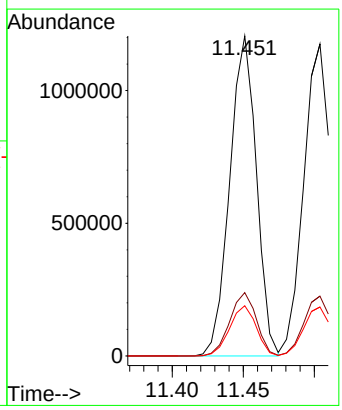


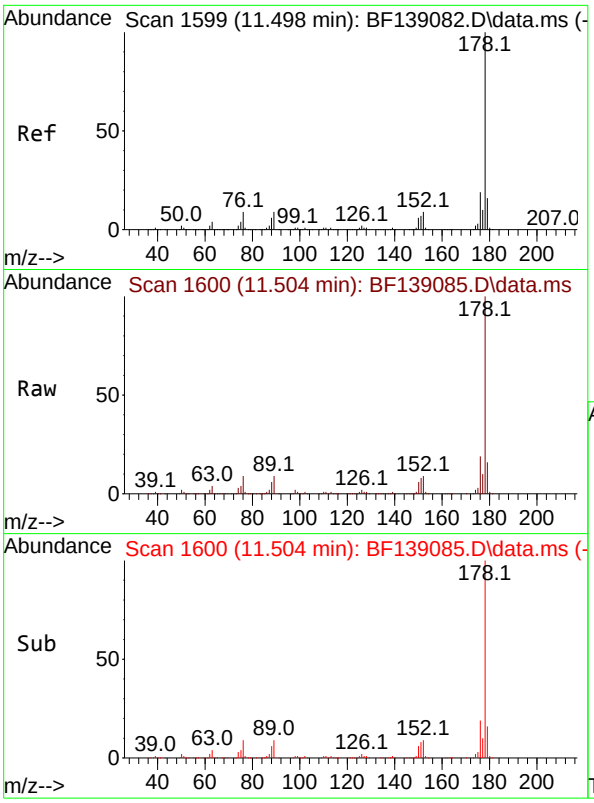


#71
Phenanthrene
Concen: 71.593 ng
RT: 11.451 min Scan# 1591
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:178 Resp: 1575520

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.2
179	15.7	12.3	18.5



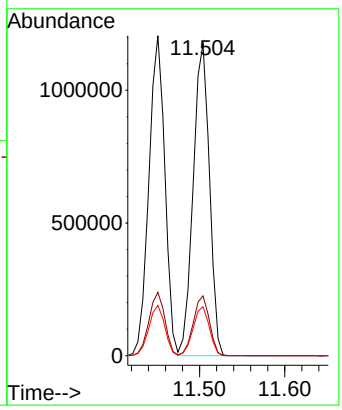


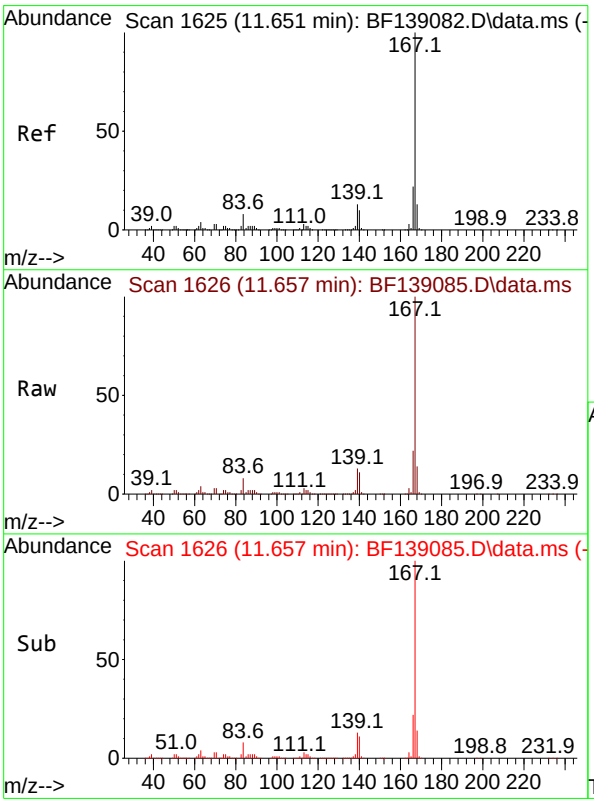
#72
Anthracene
Concen: 72.279 ng
RT: 11.504 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 1555583

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	15.7	12.4	18.6

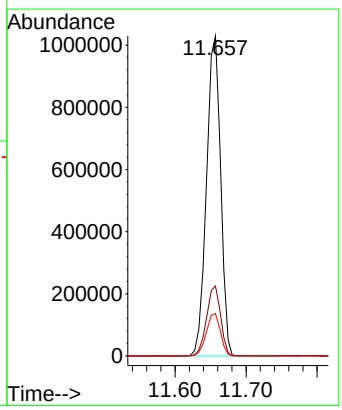


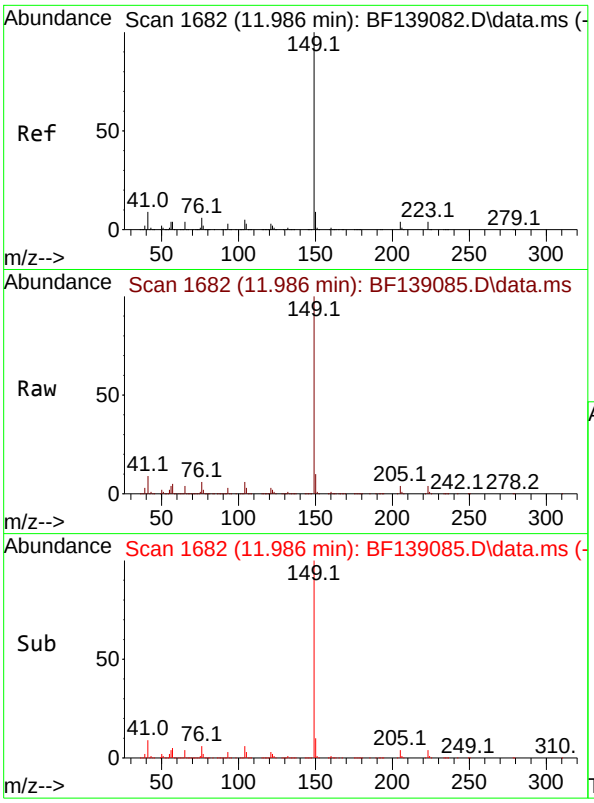


#73
Carbazole
Concen: 70.952 ng
RT: 11.657 min Scan# 1626
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:167 Resp: 1425898

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.3	25.9
139	13.3	10.5	15.7



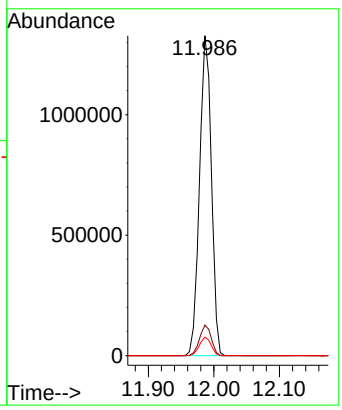


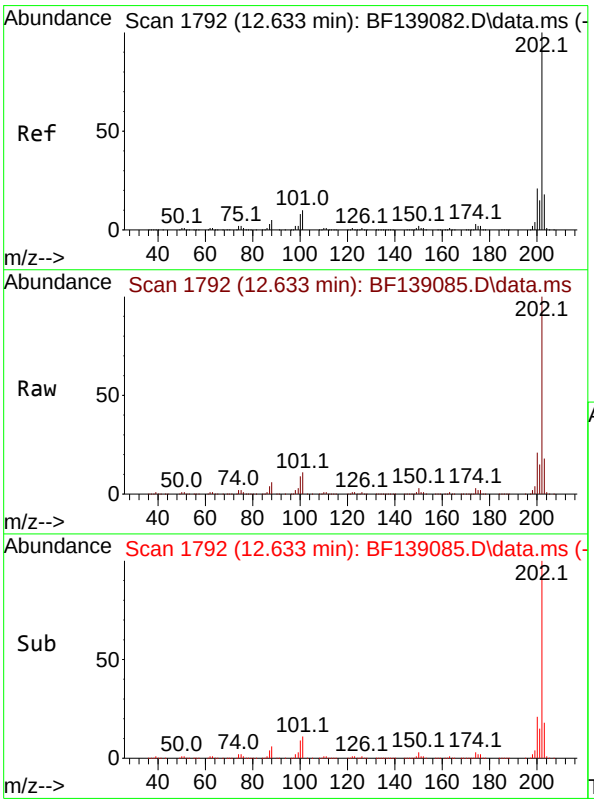
#74
Di-n-butylphthalate
Concen: 71.871 ng
RT: 11.986 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1674782

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.4	11.2
104	5.8	4.3	6.5

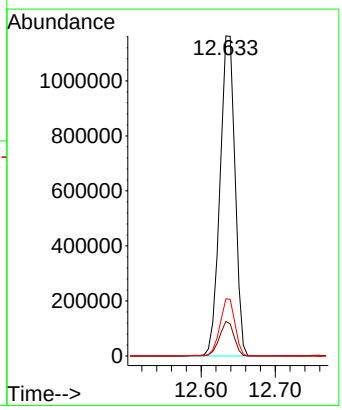


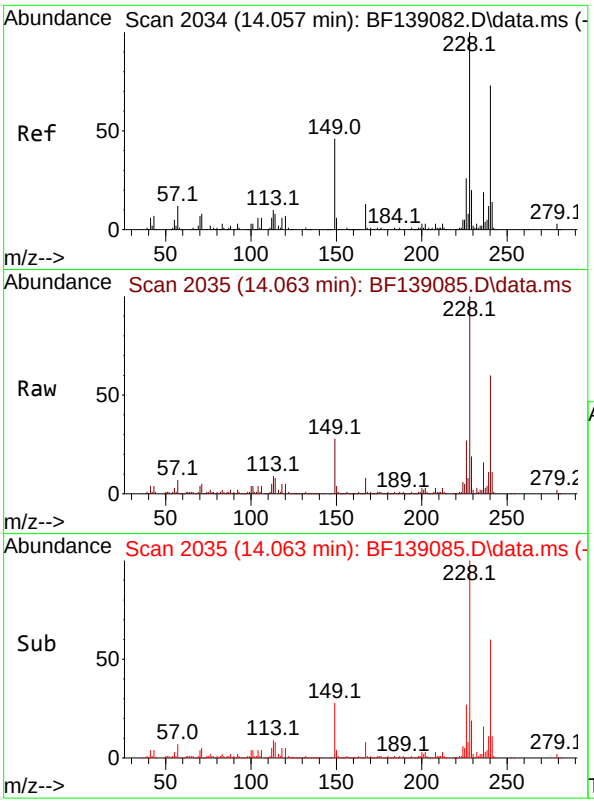


#75
Fluoranthene
Concen: 69.879 ng
RT: 12.633 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:202 Resp: 1641350

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	30.2
203	17.8	0.0	37.6



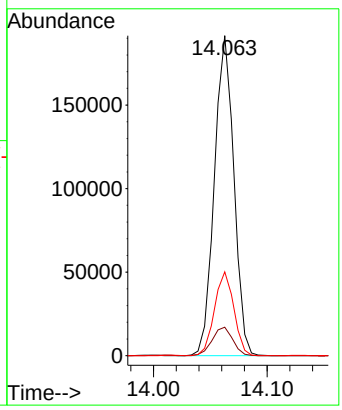


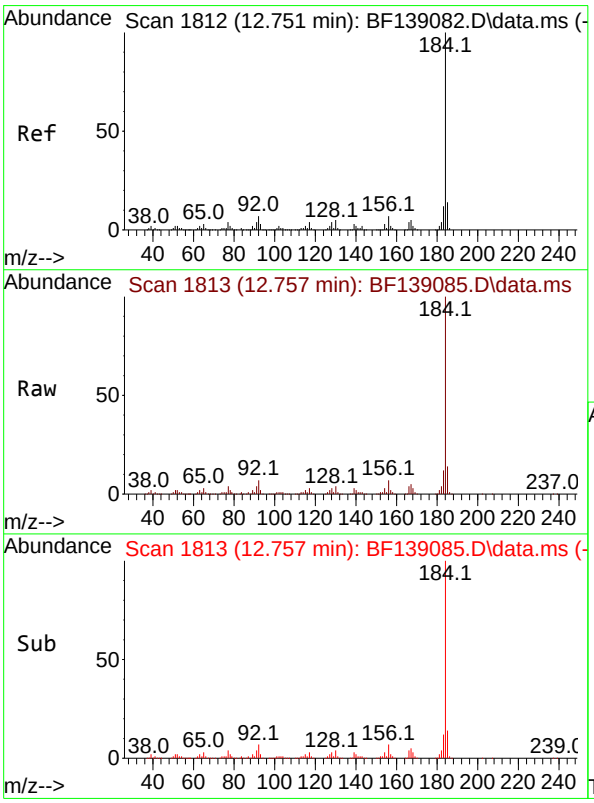
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:240 Resp: 228726

Ion	Ratio	Lower	Upper
240	100		
120	8.9	7.8	11.6
236	26.2	20.9	31.3

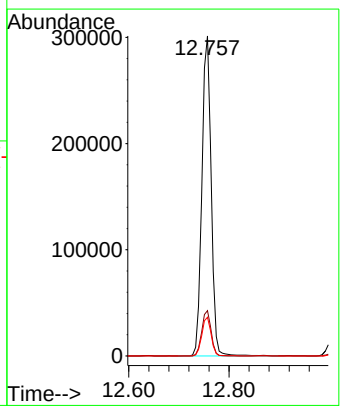


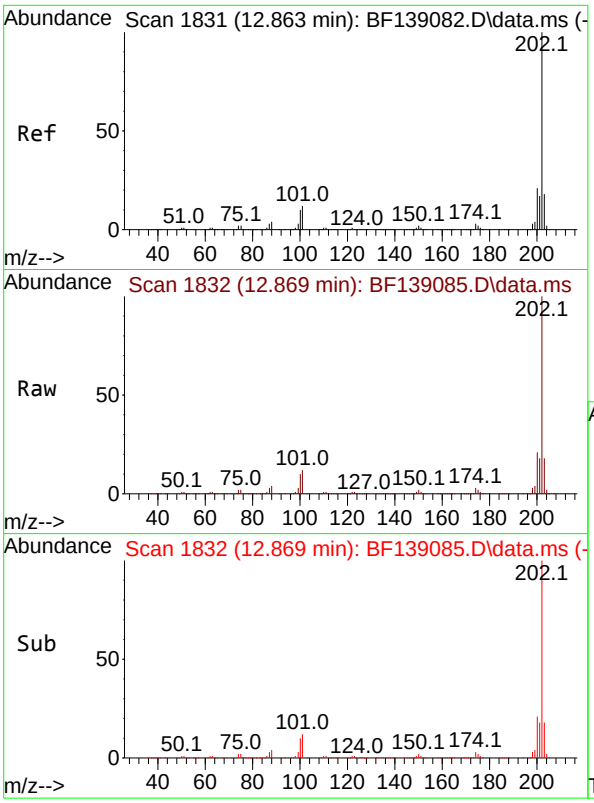


#77
Benzidine
Concen: 81.935 ng
RT: 12.757 min Scan# 1813
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:184 Resp: 387111

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.5	17.3
183	12.1	9.8	14.6



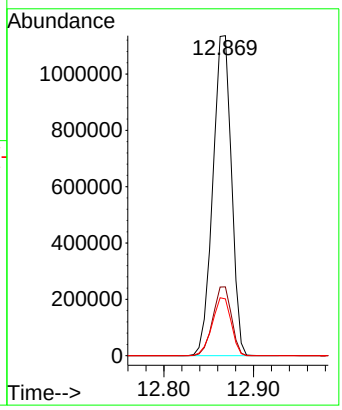


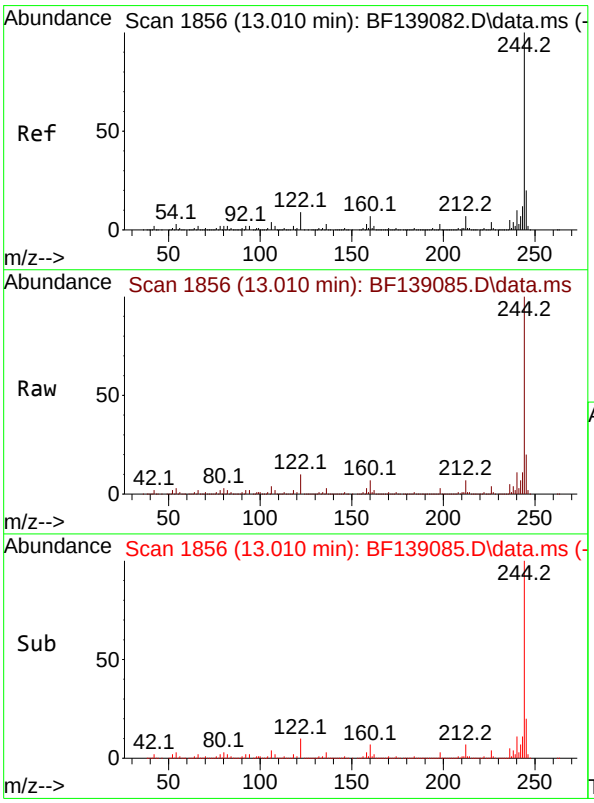
#78
Pyrene
Concen: 85.498 ng
RT: 12.869 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 1631942

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	17.8	14.1	21.1

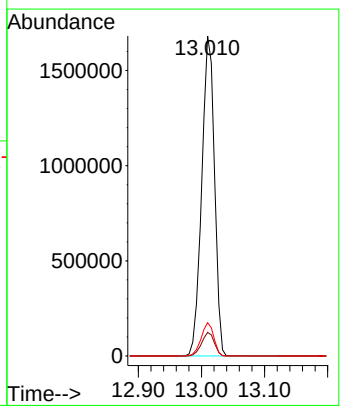


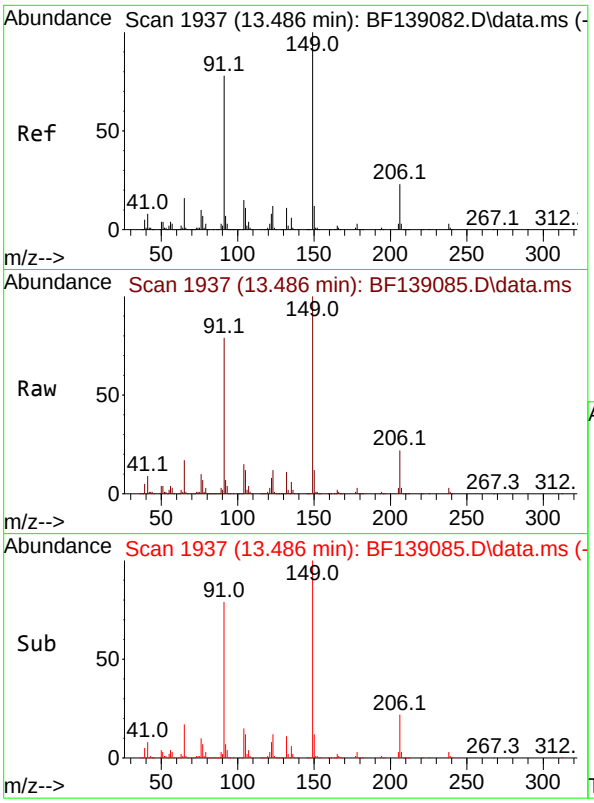


#79
Terphenyl-d14
Concen: 171.715 ng
RT: 13.010 min Scan# 1856
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:244 Resp: 2367017

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	10.4	7.6	11.4



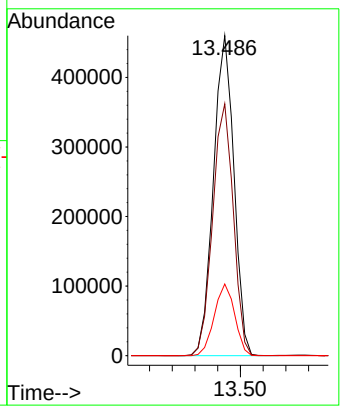


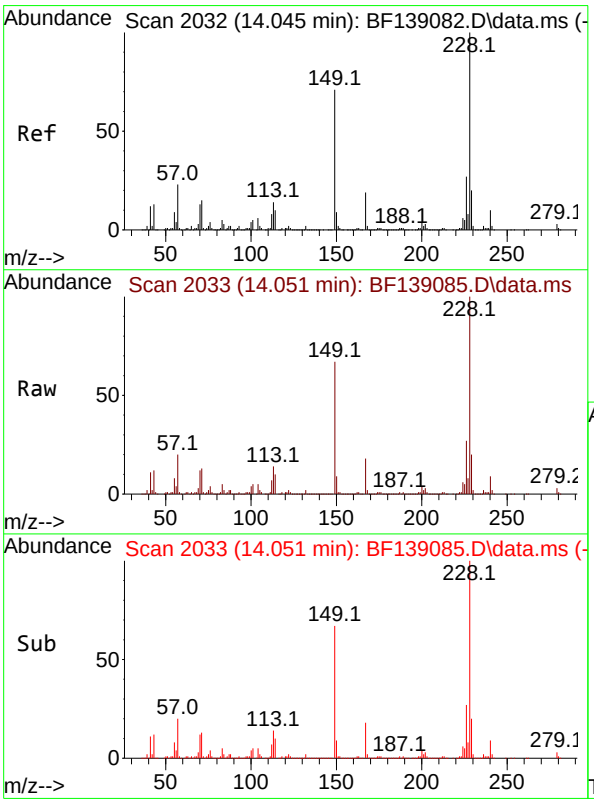
#80
Butylbenzylphthalate
Concen: 87.455 ng
RT: 13.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 577513

Ion	Ratio	Lower	Upper
149	100		
91	78.7	62.1	93.1
206	22.4	18.0	27.0

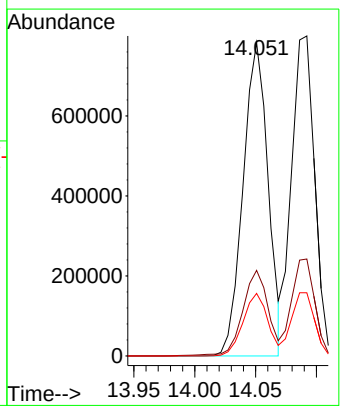


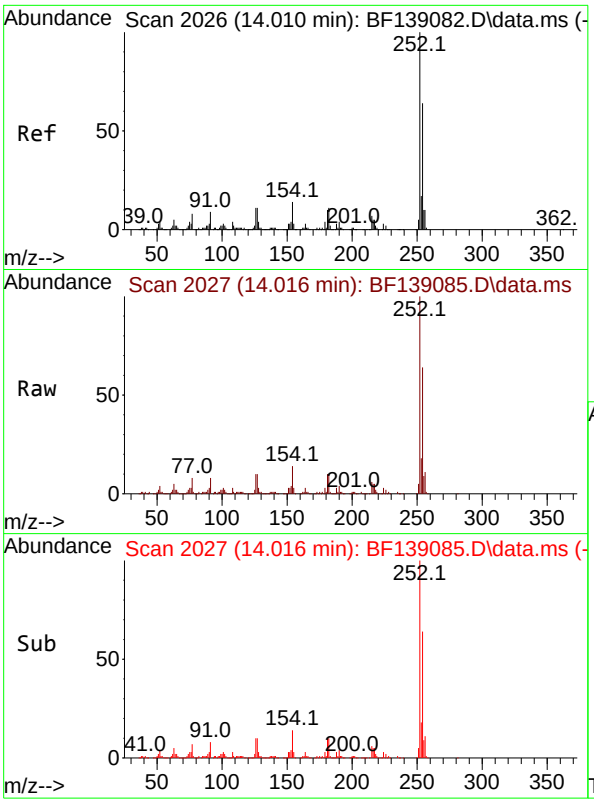


#81
Benzo(a)anthracene
Concen: 74.410 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:228 Resp: 1118794

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.9	32.9
229	20.0	16.1	24.1



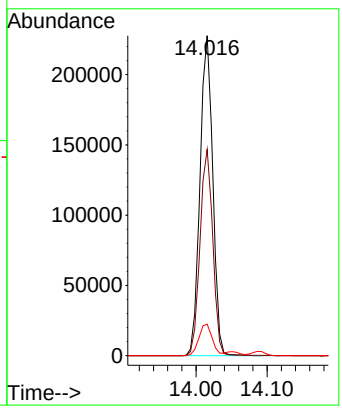


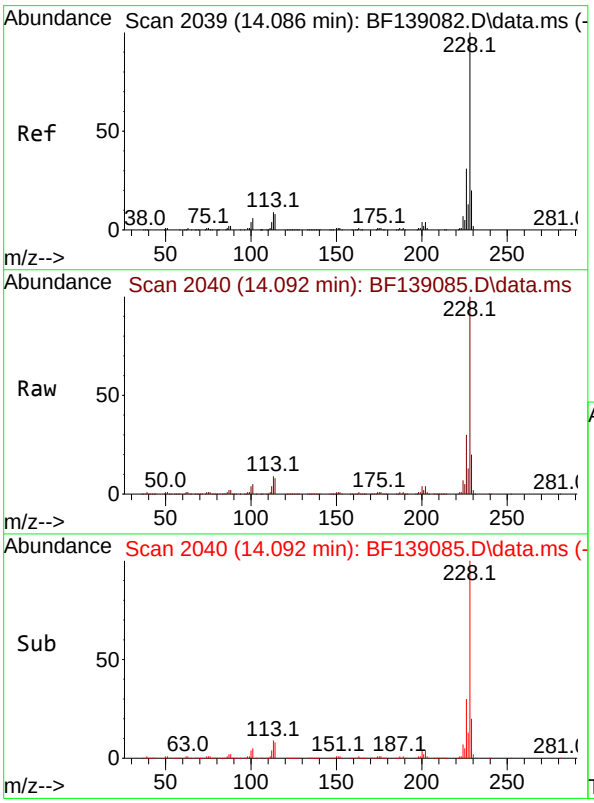
#82
3,3'-Dichlorobenzidine
Concen: 67.953 ng
RT: 14.016 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 285587

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.4	77.0
126	9.9	8.6	12.8

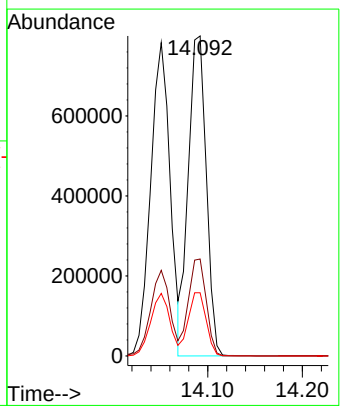


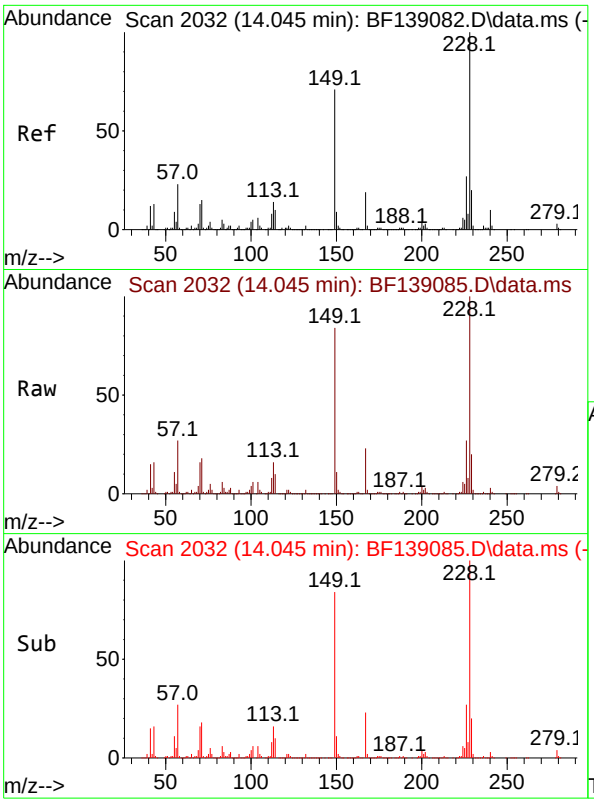


#83
Chrysene
Concen: 77.498 ng
RT: 14.092 min Scan# 2040
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:228 Resp: 1056171

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.3	36.5
229	19.8	15.8	23.8



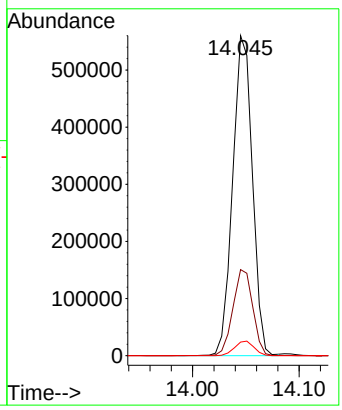


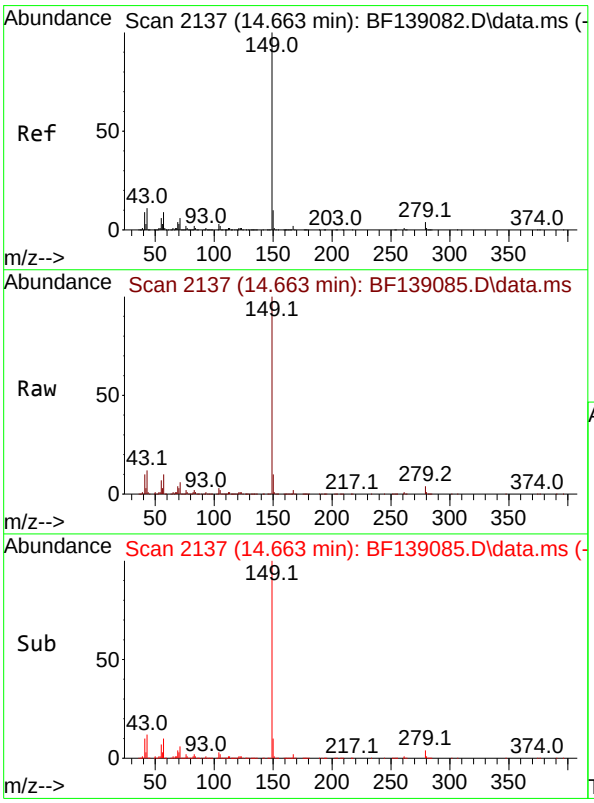
#84
Bis(2-ethylhexyl)phthalate
Concen: 82.244 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 720000

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.8	32.6
279	4.3	3.5	5.3

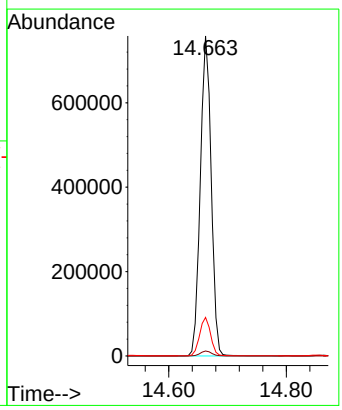


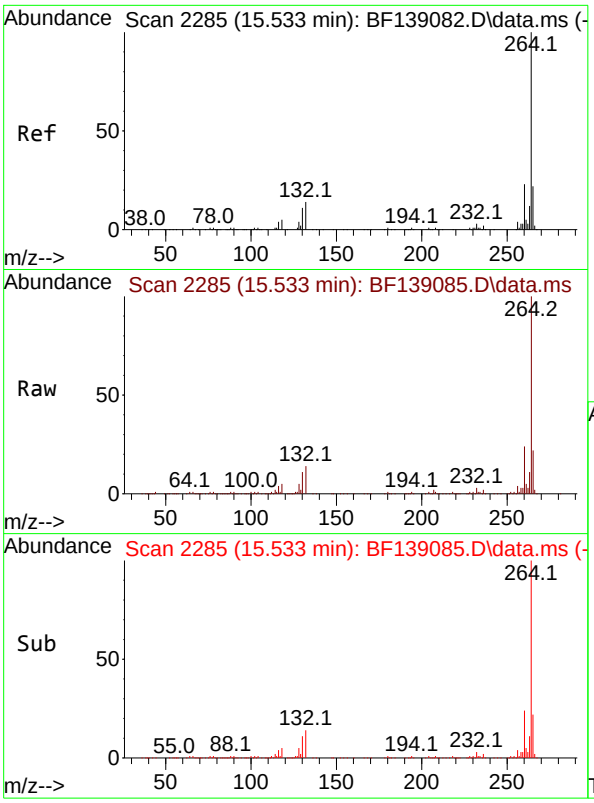


#85
Di-n-octyl phthalate
Concen: 79.275 ng
RT: 14.663 min Scan# 2137
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:149 Resp: 974053

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.1	9.6	14.4



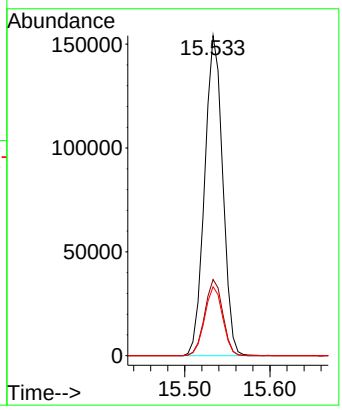


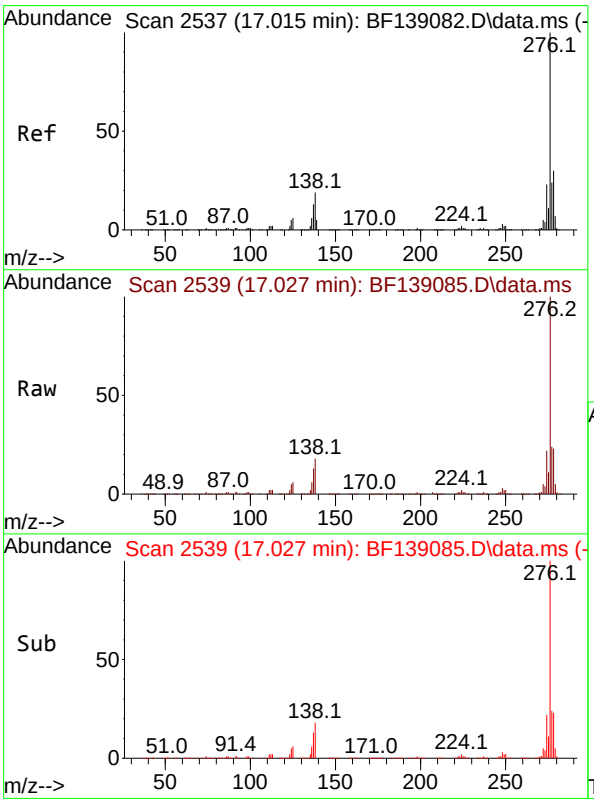
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:264 Resp: 226925

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	27.8
265	21.6	17.4	26.2

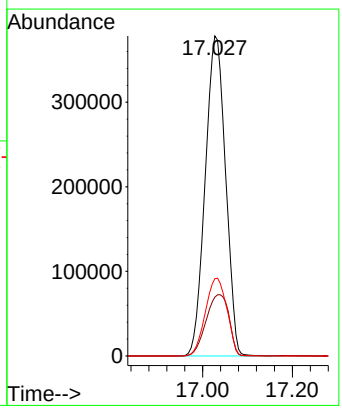


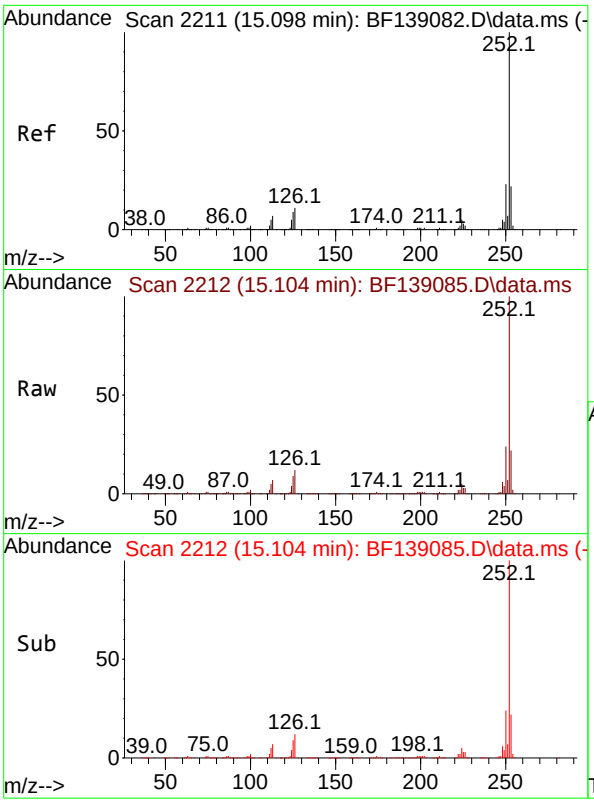


#87
Indeno(1,2,3-cd)pyrene
Concen: 89.630 ng
RT: 17.027 min Scan# 2539
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:276 Resp: 1190369

Ion	Ratio	Lower	Upper
276	100		
138	21.6	17.3	25.9
277	25.7	20.2	30.4



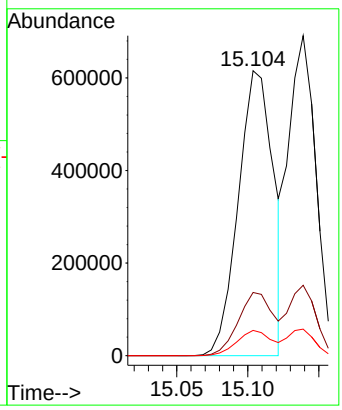


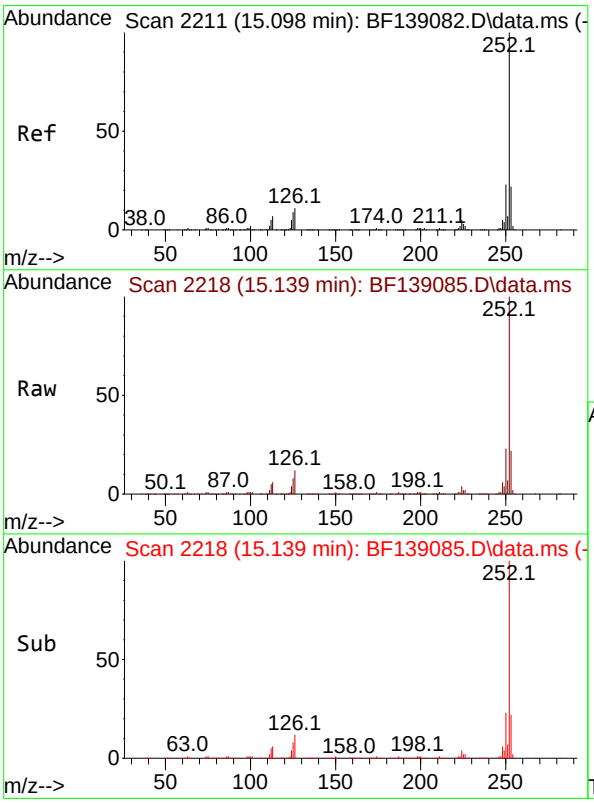
#88
Benzo(b)fluoranthene
Concen: 71.332 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1055284

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	8.9	7.0	10.6

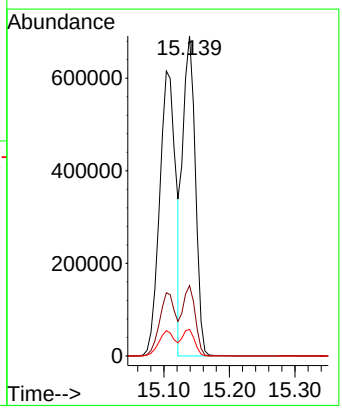


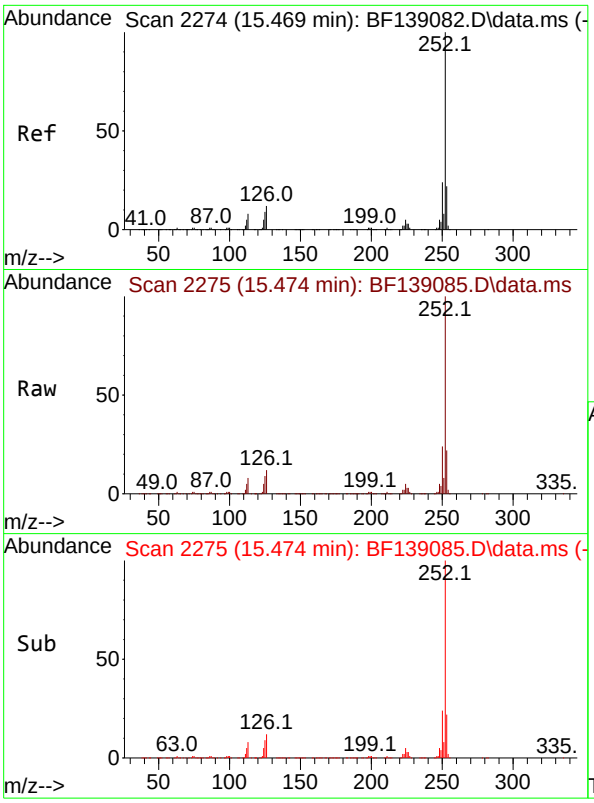


#89
Benzo(k)fluoranthene
Concen: 74.693 ng
RT: 15.139 min Scan# 2218
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:252 Resp: 920339

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	8.3	7.0	10.6



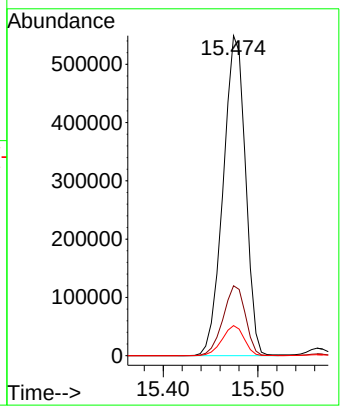


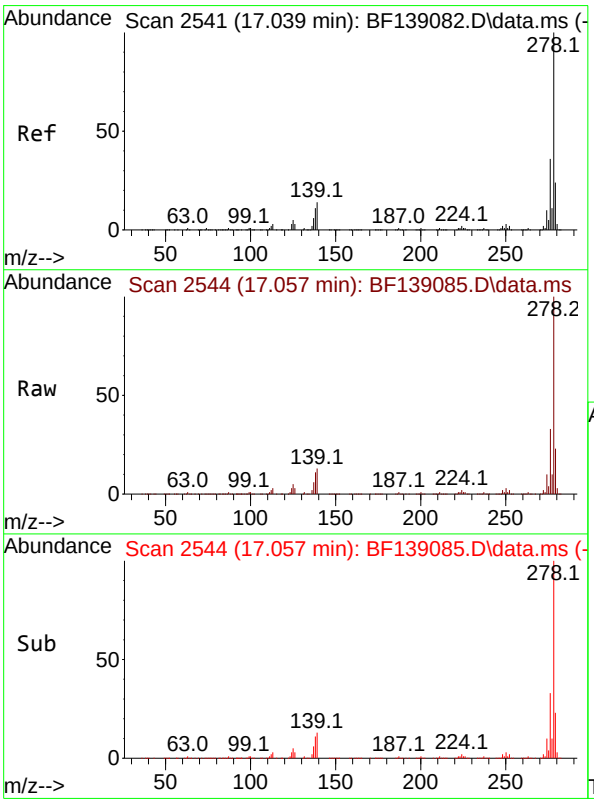
#90
Benzo(a)pyrene
Concen: 76.876 ng
RT: 15.474 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 898664

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	9.4	7.4	11.2

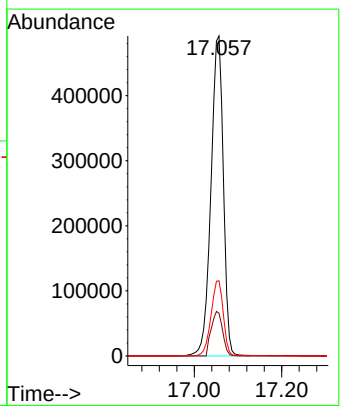


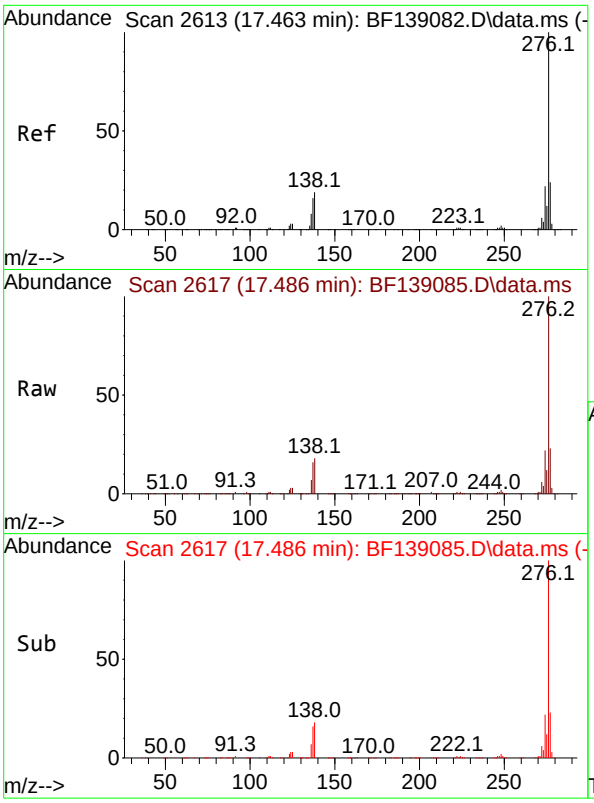


#91
Dibenzo(a,h)anthracene
Concen: 89.184 ng
RT: 17.057 min Scan# 2544
Delta R.T. 0.018 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:278 Resp: 972287

Ion	Ratio	Lower	Upper
278	100		
139	13.4	10.8	16.2
279	23.5	19.2	28.8



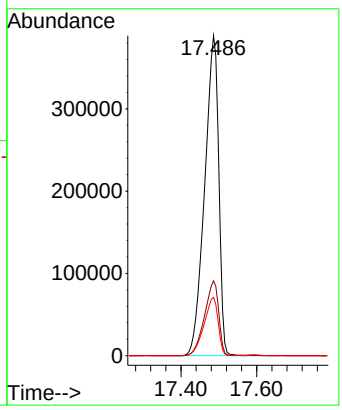


#92
Benzo(g,h,i)perylene
Concen: 78.348 ng
RT: 17.486 min Scan# 2
Delta R.T. 0.023 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 999240

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	18.2	15.0	22.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139086.D
Acq On : 20 Aug 2024 21:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Quant Time: Aug 21 01:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	131503	20.000	ng		0.00
21) Naphthalene-d8	8.181	136	482835	20.000	ng		0.00
39) Acenaphthene-d10	9.933	164	279151	20.000	ng		0.00
64) Phenanthrene-d10	11.422	188	504492	20.000	ng		0.00
76) Chrysene-d12	14.063	240	299101	20.000	ng		0.00
86) Perylene-d12	15.533	264	259634	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	661369	77.377	ng		0.00
7) Phenol-d6	6.522	99	864502	78.276	ng		0.00
23) Nitrobenzene-d5	7.463	82	775025	93.532	ng		0.00
42) 2,4,6-Tribromophenol	10.722	330	221899	87.807	ng		0.00
45) 2-Fluorobiphenyl	9.257	172	1339409	76.128	ng		0.00
79) Terphenyl-d14	13.010	244	1522325	84.453	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.693	88	145187	39.603	ng		99
3) Pyridine	3.446	79	369164	39.627	ng		99
4) n-Nitrosodimethylamine	3.410	42	211725	37.622	ng		98
6) Aniline	6.563	93	400396	40.159	ng		99
8) 2-Chlorophenol	6.687	128	323230	39.317	ng		97
9) Benzaldehyde	6.451	77	257395	39.738	ng		99
10) Phenol	6.539	94	453541	39.467	ng		99
11) bis(2-Chloroethyl)ether	6.639	93	336049	36.363	ng		99
12) 1,3-Dichlorobenzene	6.839	146	384376	38.887	ng		99
13) 1,4-Dichlorobenzene	6.916	146	388091	39.269	ng		99
14) 1,2-Dichlorobenzene	7.069	146	357123	39.538	ng		99
15) Benzyl Alcohol	7.039	79	343224	39.320	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.175	45	493587	37.916	ng		99
17) 2-Methylphenol	7.145	107	277901	39.512	ng		99
18) Hexachloroethane	7.410	117	136978	39.525	ng		99
19) n-Nitroso-di-n-propyla...	7.316	70	269988	37.225	ng		100
20) 3+4-Methylphenols	7.304	107	354908	38.947	ng	#	86
22) Acetophenone	7.310	105	482210	39.114	ng		96
24) Nitrobenzene	7.486	77	412392	44.775	ng		99
25) Isophorone	7.722	82	700407	39.769	ng		99
26) 2-Nitrophenol	7.798	139	140738	44.307	ng		98
27) 2,4-Dimethylphenol	7.828	122	220037	39.399	ng		99
28) bis(2-Chloroethoxy)met...	7.934	93	397597	38.636	ng		99
29) 2,4-Dichlorophenol	8.034	162	281134	40.406	ng		100
30) 1,2,4-Trichlorobenzene	8.122	180	318510	39.095	ng		99
31) Naphthalene	8.204	128	966033	39.482	ng		100
32) Benzoic acid	7.951	122	204434	44.659	ng		96
33) 4-Chloroaniline	8.251	127	332486	39.678	ng		100
34) Hexachlorobutadiene	8.322	225	213327	40.084	ng		99
35) Caprolactam	8.628	113	91642	41.544	ng		97
36) 4-Chloro-3-methylphenol	8.728	107	308176	40.003	ng		99
37) 2-Methylnaphthalene	8.892	142	608864	38.796	ng		100
38) 1-Methylnaphthalene	8.992	142	592889	39.143	ng		98
40) 1,2,4,5-Tetrachloroben...	9.057	216	311505	40.567	ng		99
41) Hexachlorocyclopentadiene	9.045	237	118697	40.411	ng		99
43) 2,4,6-Trichlorophenol	9.169	196	213091	41.317	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139086.D
Acq On : 20 Aug 2024 21:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Quant Time: Aug 21 01:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	208758	39.434	ng		99
46) 1,1'-Biphenyl	9.357	154	763030	39.902	ng		100
47) 2-Chloronaphthalene	9.380	162	601423	38.708	ng		99
48) 2-Nitroaniline	9.475	65	191713	43.634	ng		100
49) Acenaphthylene	9.798	152	879919	39.533	ng		100
50) Dimethylphthalate	9.663	163	682415	39.598	ng		99
51) 2,6-Dinitrotoluene	9.722	165	149746	43.760	ng		93
52) Acenaphthene	9.969	154	577194	39.258	ng		99
53) 3-Nitroaniline	9.886	138	149417	43.178	ng	#	98
54) 2,4-Dinitrophenol	9.986	184	54802	48.138	ng		86
55) Dibenzofuran	10.139	168	843236	39.486	ng		100
56) 4-Nitrophenol	10.033	139	121416	46.609	ng		99
57) 2,4-Dinitrotoluene	10.122	165	189415	44.204	ng		98
58) Fluorene	10.486	166	662565	38.823	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	178921	42.094	ng		99
60) Diethylphthalate	10.357	149	679316	39.783	ng		99
61) 4-Chlorophenyl-phenyle...	10.475	204	328835	38.579	ng		99
62) 4-Nitroaniline	10.504	138	151891	43.331	ng		99
63) Azobenzene	10.639	77	739304	38.960	ng		99
65) 4,6-Dinitro-2-methylph...	10.527	198	84045	46.812	ng		92
66) n-Nitrosodiphenylamine	10.598	169	567585	38.023	ng		100
67) 4-Bromophenyl-phenylether	10.969	248	206250	38.582	ng		99
68) Hexachlorobenzene	11.027	284	222397	38.778	ng		100
69) Atrazine	11.122	200	144810	31.764	ng		100
70) Pentachlorophenol	11.222	266	154863	42.272	ng		99
71) Phenanthrene	11.445	178	963550	37.577	ng		100
72) Anthracene	11.498	178	952503	37.982	ng		100
73) Carbazole	11.651	167	890833	38.042	ng		100
74) Di-n-butylphthalate	11.986	149	1024926	37.747	ng		100
75) Fluoranthene	12.633	202	1035519	37.836	ng		100
77) Benzidine	12.751	184	194358	31.458	ng		99
78) Pyrene	12.863	202	1041874	41.741	ng		100
80) Butylbenzylphthalate	13.486	149	379143	43.906	ng		99
81) Benzo(a)anthracene	14.051	228	766898	39.005	ng		99
82) 3,3'-Dichlorobenzidine	14.010	252	202124	36.778	ng		99
83) Chrysene	14.086	228	692316	38.847	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	487722	42.603	ng		100
85) Di-n-octyl phthalate	14.662	149	640947	39.891	ng		100
87) Indeno(1,2,3-cd)pyrene	17.021	276	685085	45.085	ng		99
88) Benzo(b)fluoranthene	15.104	252	613282	36.232	ng		99
89) Benzo(k)fluoranthene	15.133	252	554023	39.299	ng		99
90) Benzo(a)pyrene	15.468	252	517983	38.728	ng		100
91) Dibenzo(a,h)anthracene	17.039	278	562456	45.092	ng		100
92) Benzo(g,h,i)perylene	17.468	276	568943	40.393	ng		99

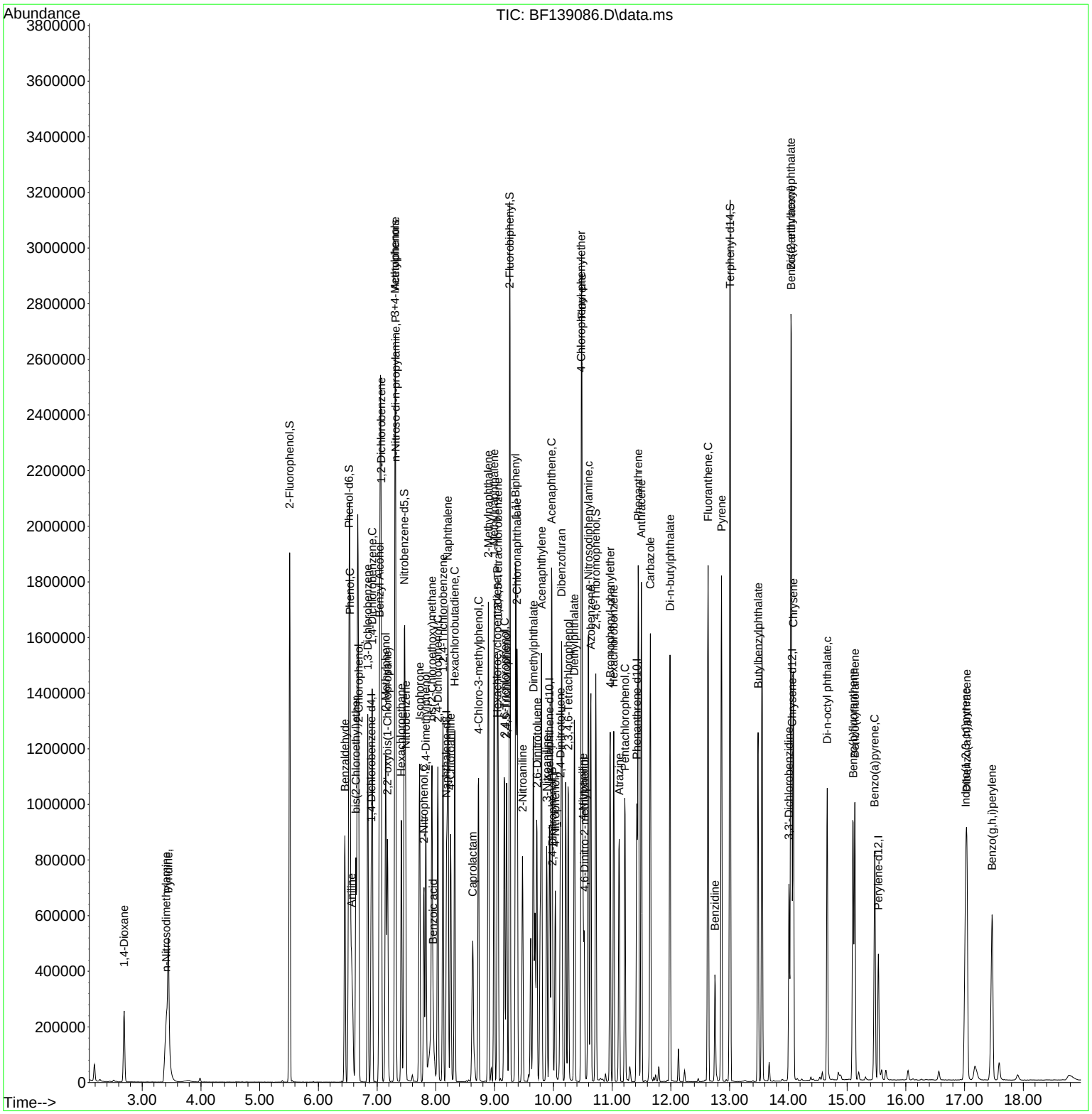
(#) = qualifier out of range (m) = manual integration (+) = signals summed

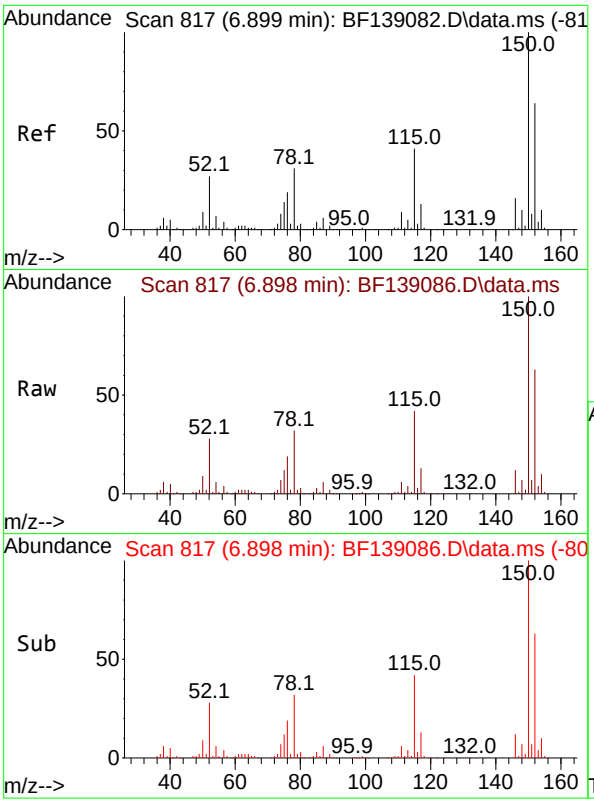
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139086.D
Acq On : 20 Aug 2024 21:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Quant Time: Aug 21 01:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration



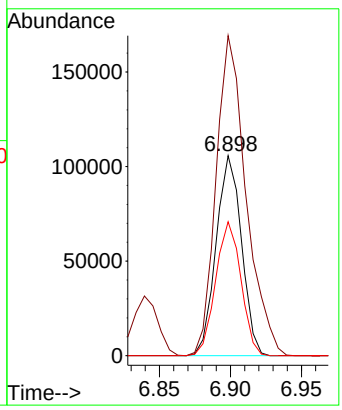


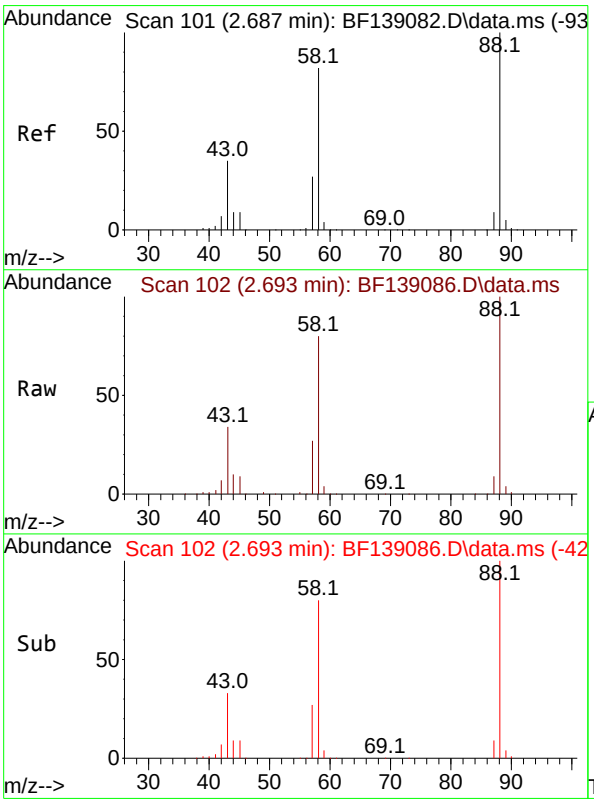
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:152 Resp: 131503

Ion	Ratio	Lower	Upper
152	100		
150	160.0	125.1	187.7
115	67.0	51.8	77.6

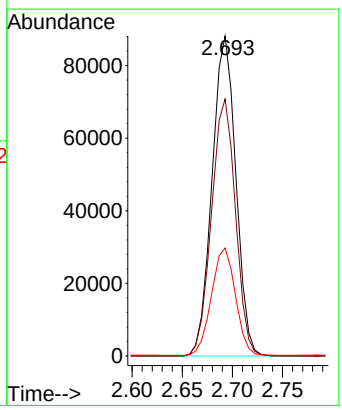


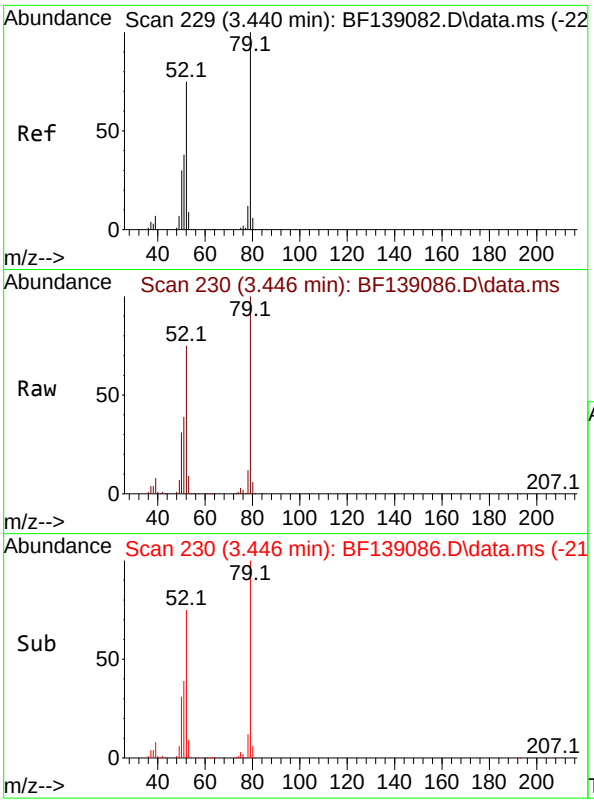


#2
1,4-Dioxane
Concen: 39.603 ng
RT: 2.693 min Scan# 102
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion: 88 Resp: 145187

Ion	Ratio	Lower	Upper
88	100		
58	80.9	65.4	98.0
43	33.7	27.9	41.9



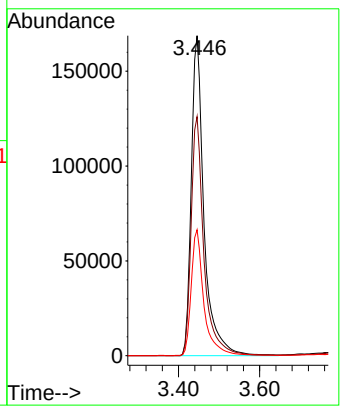


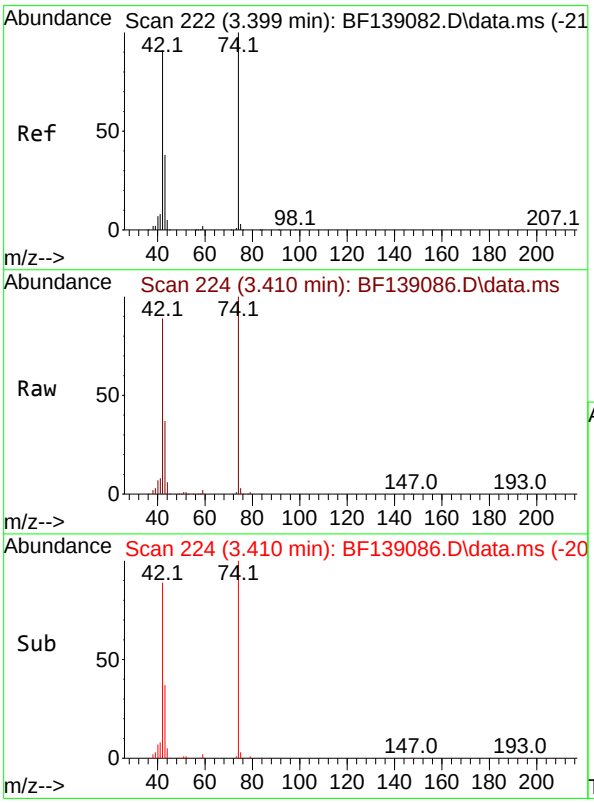
#3
Pyridine
Concen: 39.627 ng
RT: 3.446 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion: 79 Resp: 369164

Ion	Ratio	Lower	Upper
79	100		
52	74.7	59.7	89.5
51	39.4	30.6	45.8

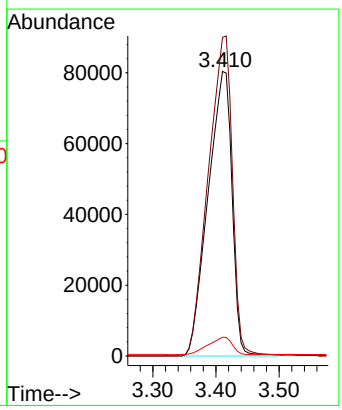


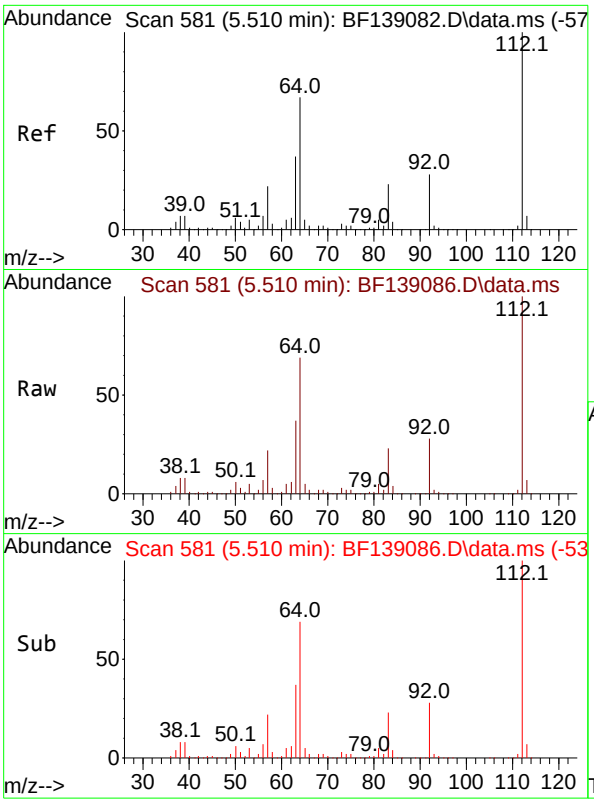


#4
n-Nitrosodimethylamine
Concen: 37.622 ng
RT: 3.410 min Scan# 224
Delta R.T. 0.012 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion: 42 Resp: 211725

Ion	Ratio	Lower	Upper
42	100		
74	112.0	88.2	132.2
44	6.6	5.4	8.0



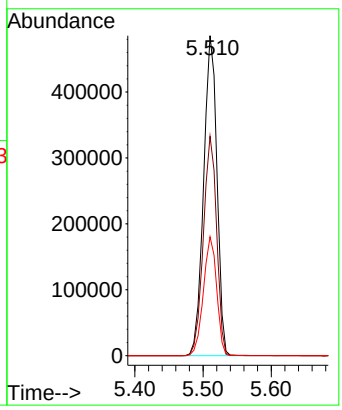


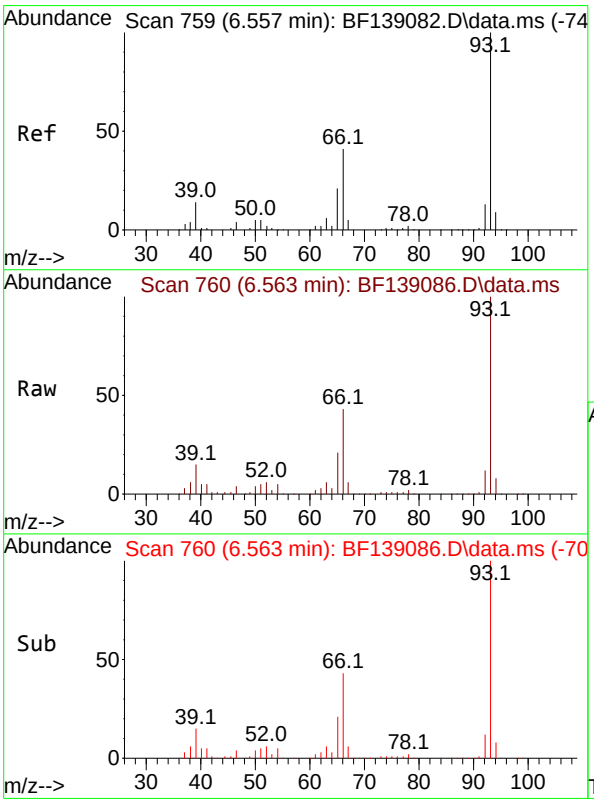
#5
2-Fluorophenol
Concen: 77.377 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:112 Resp: 661369

Ion	Ratio	Lower	Upper
112	100		
64	68.6	53.8	80.6
63	37.1	29.4	44.2

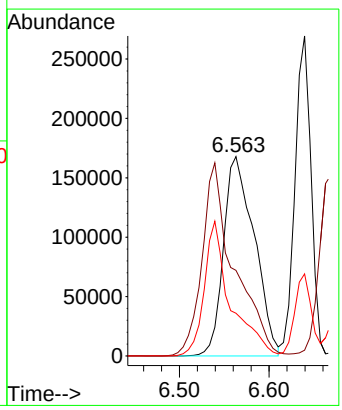


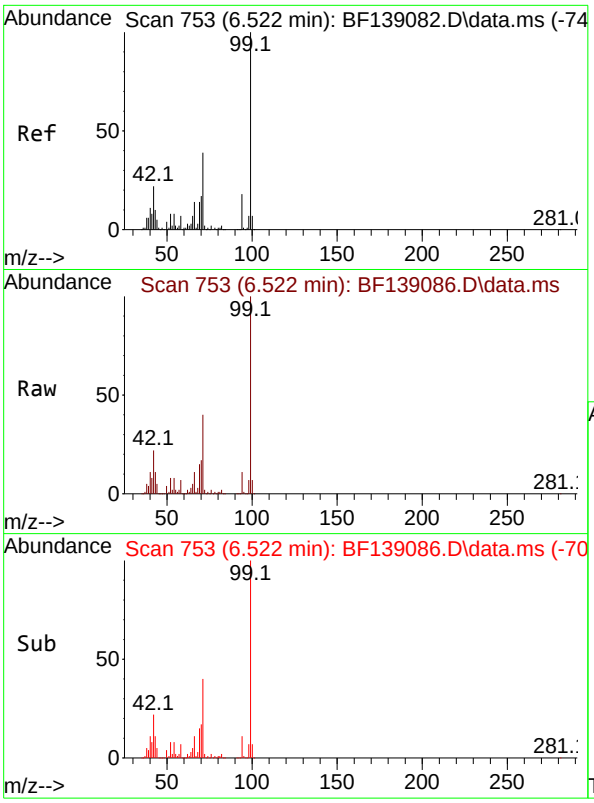


#6
Aniline
Concen: 40.159 ng
RT: 6.563 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion: 93 Resp: 400396

Ion	Ratio	Lower	Upper
93	100		
66	43.0	35.1	52.7
65	21.4	17.4	26.2



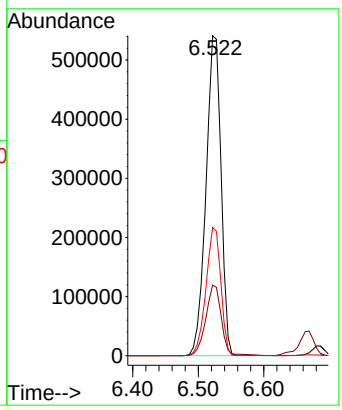


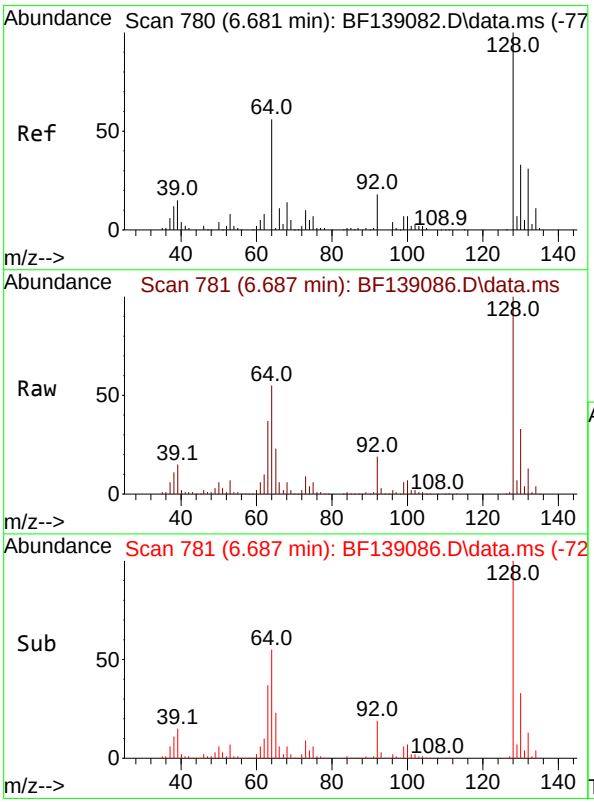
#7
Phenol-d6
Concen: 78.276 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion: 99 Resp: 864502

Ion	Ratio	Lower	Upper
99	100		
42	22.1	17.4	26.2
71	40.1	31.2	46.8

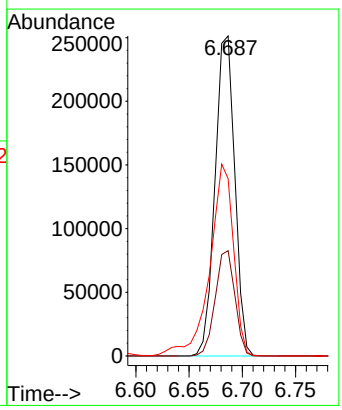


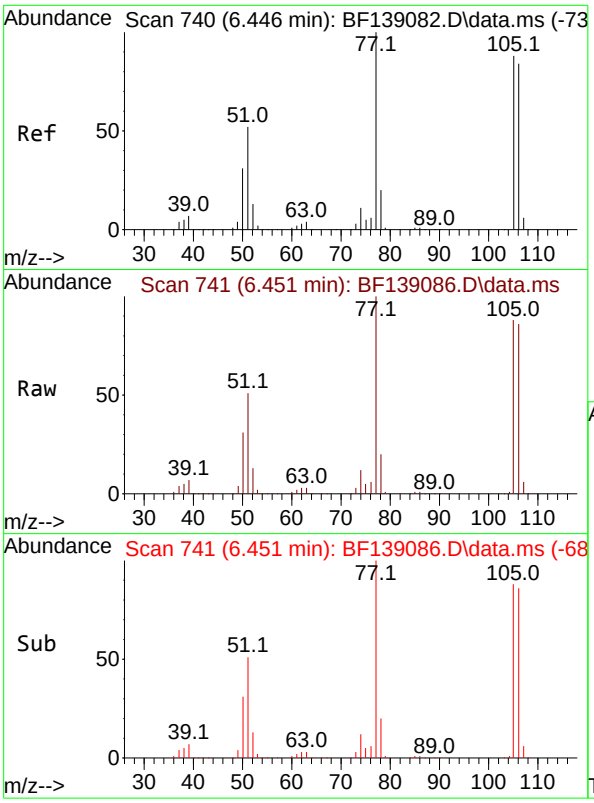


#8
2-Chlorophenol
Concen: 39.317 ng
RT: 6.687 min Scan# 781
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:128 Resp: 323230

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.6	52.6
64	55.4	39.1	79.1



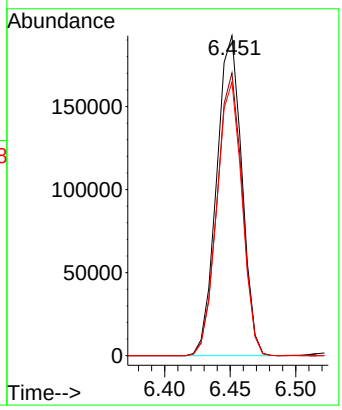


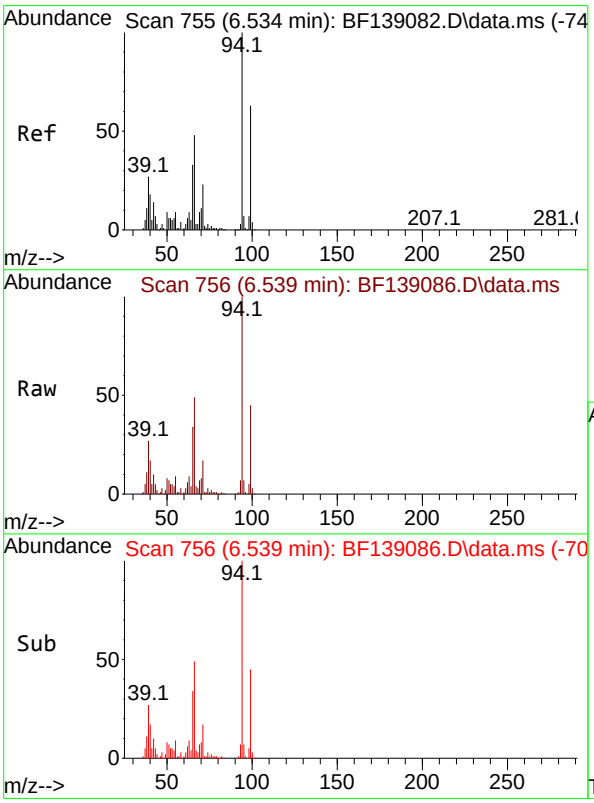
#9
Benzaldehyde
Concen: 39.738 ng
RT: 6.451 min Scan# 74
Delta R.T. 0.005 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion: 77 Resp: 257395

Ion	Ratio	Lower	Upper
77	100		
105	88.3	68.2	108.2
106	85.5	63.8	103.8

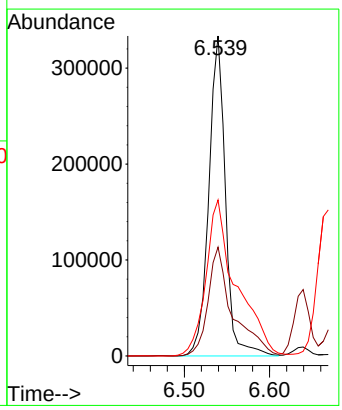


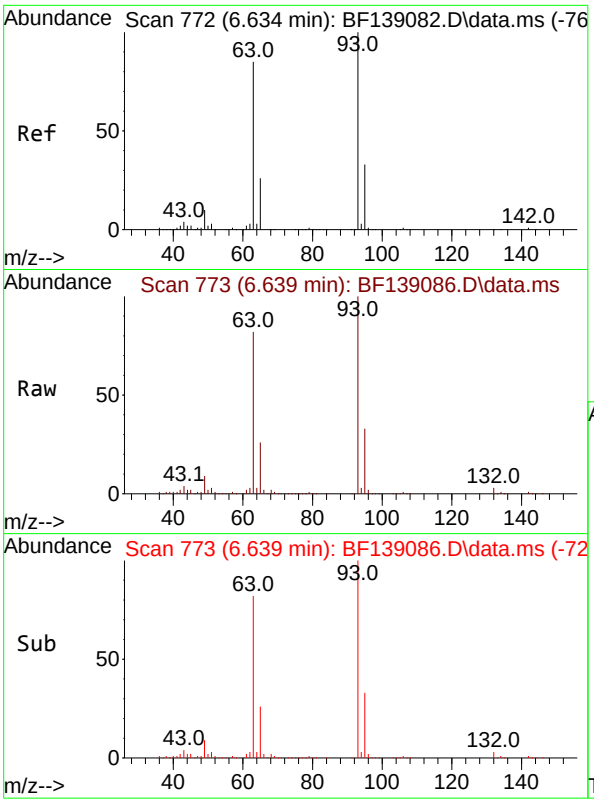


#10
Phenol
Concen: 39.467 ng
RT: 6.539 min Scan# 756
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion: 94 Resp: 453541

Ion	Ratio	Lower	Upper
94	100		
65	34.0	13.5	53.5
66	48.8	28.5	68.5



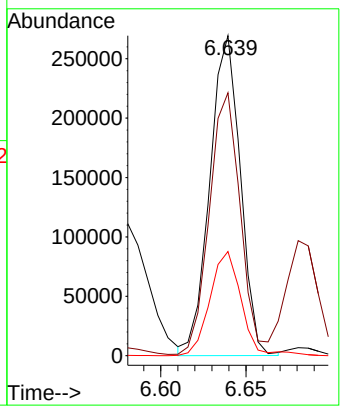


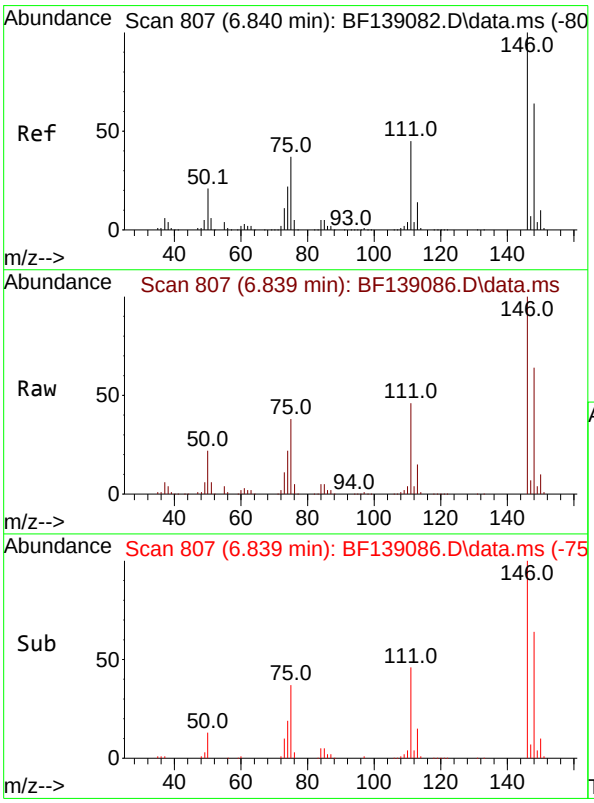
#11
bis(2-Chloroethyl)ether
Concen: 36.363 ng
RT: 6.639 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion: 93 Resp: 336049

Ion	Ratio	Lower	Upper
93	100		
63	82.2	62.7	102.7
95	32.6	11.9	51.9

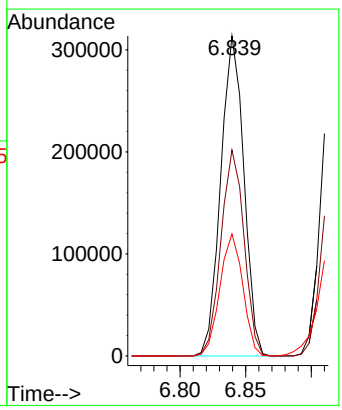


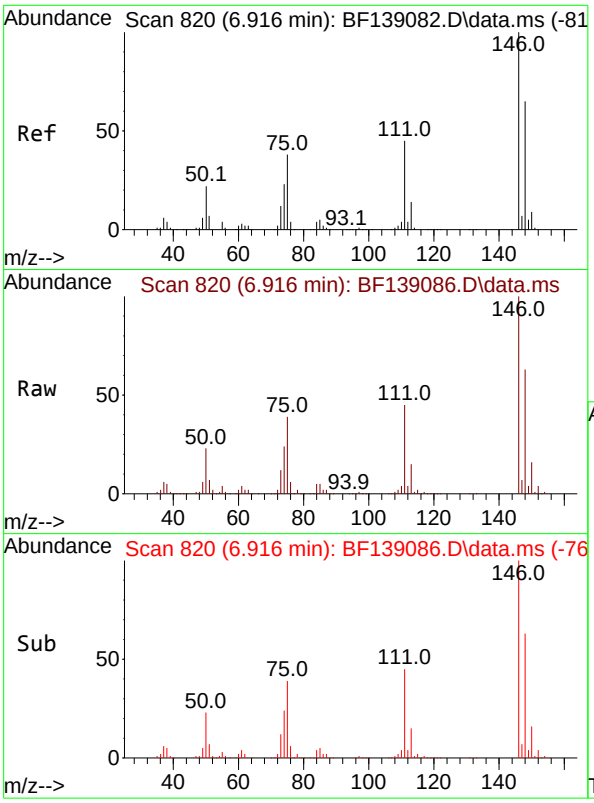


#12
1,3-Dichlorobenzene
Concen: 38.887 ng
RT: 6.839 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:146 Resp: 384376

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.2	76.8
75	38.1	29.9	44.9



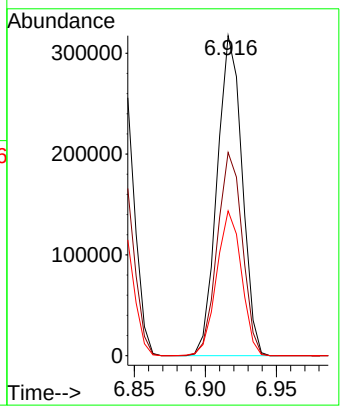


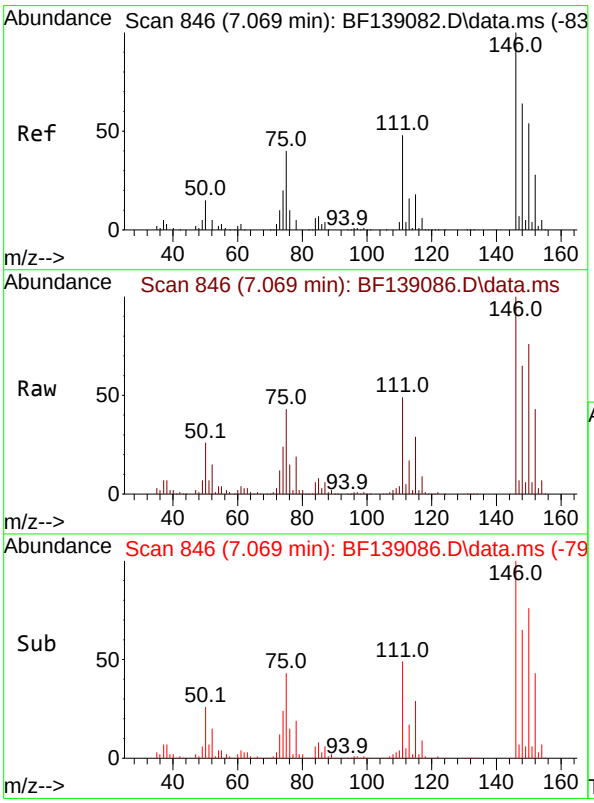
#13
1,4-Dichlorobenzene
Concen: 39.269 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:146 Resp: 388091

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.9	77.9
111	45.2	35.8	53.6

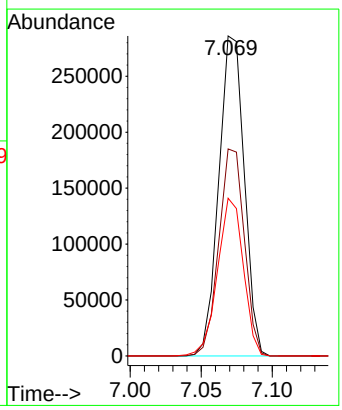


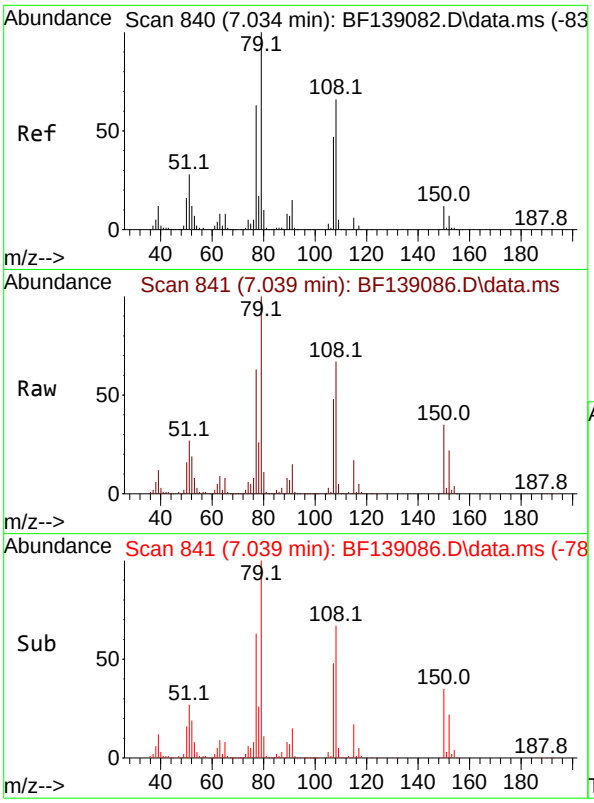


#14
1,2-Dichlorobenzene
Concen: 39.538 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:146 Resp: 357123

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.4	77.2
111	49.3	38.1	57.1



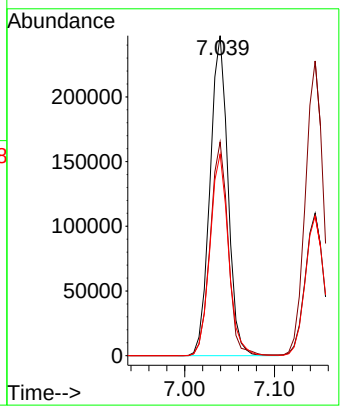


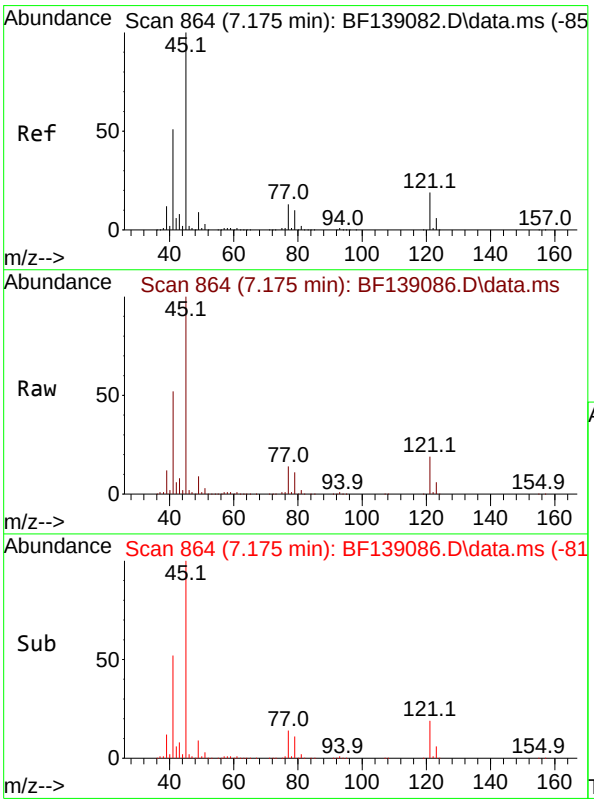
#15
Benzyl Alcohol
Concen: 39.320 ng
RT: 7.039 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion: 79 Resp: 343224

Ion	Ratio	Lower	Upper
79	100		
108	66.8	52.8	79.2
77	63.0	50.6	76.0

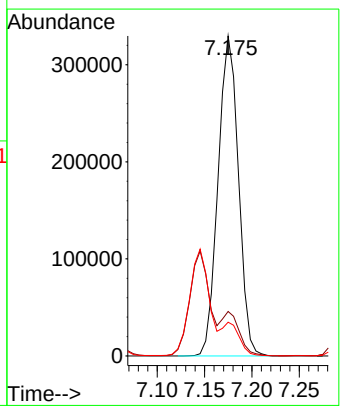


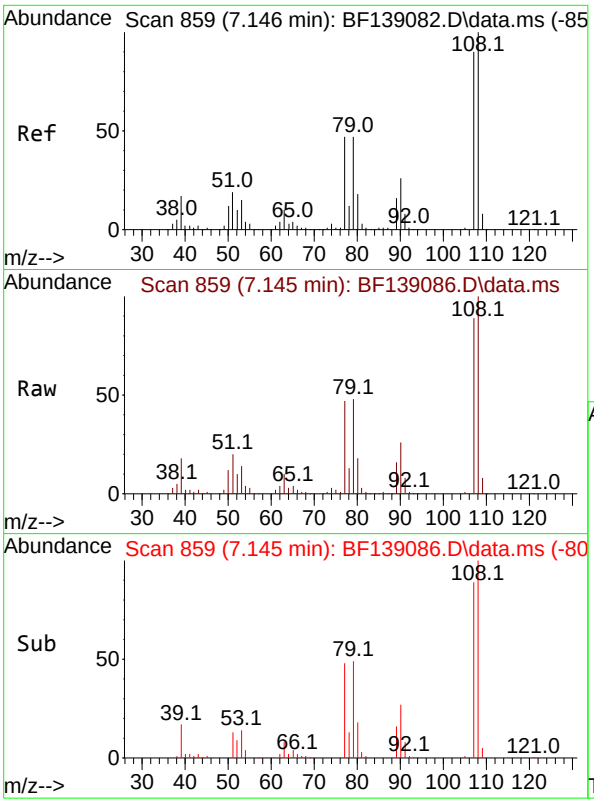


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.916 ng
RT: 7.175 min Scan# 864
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion: 45 Resp: 493587

Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	33.7
79	10.6	0.0	30.4



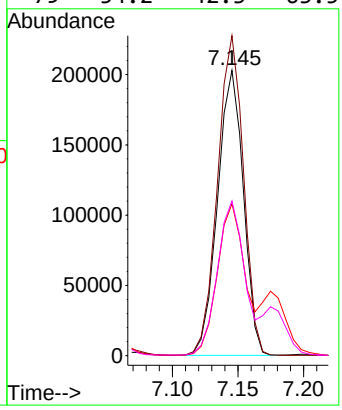


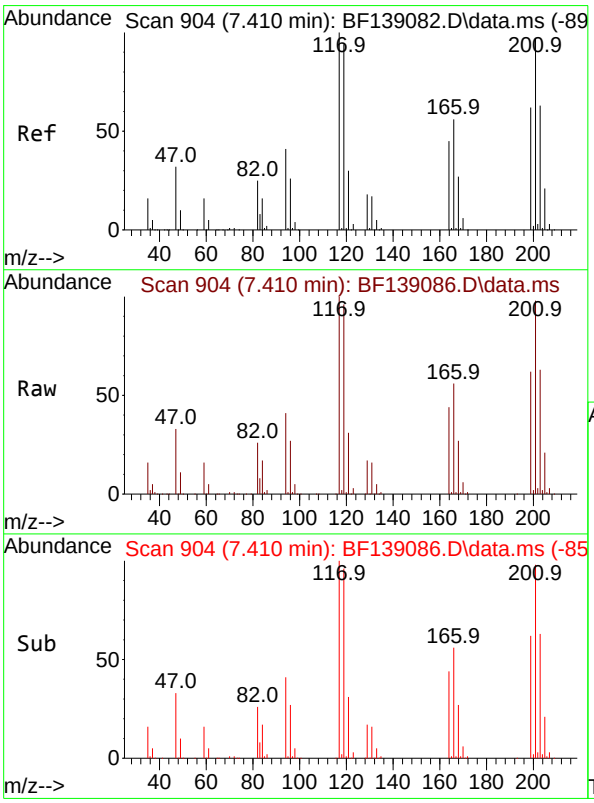
#17
2-Methylphenol
Concen: 39.512 ng
RT: 7.145 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:107 Resp: 277901

Ion	Ratio	Lower	Upper
107	100		
108	112.2	89.1	133.7
77	53.3	42.1	63.1
79	54.2	42.3	63.5

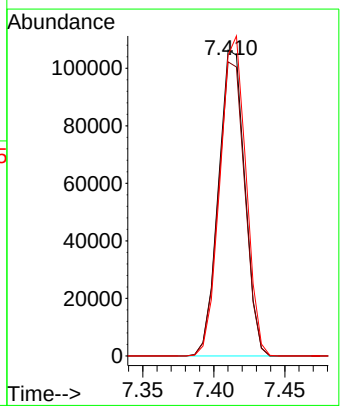


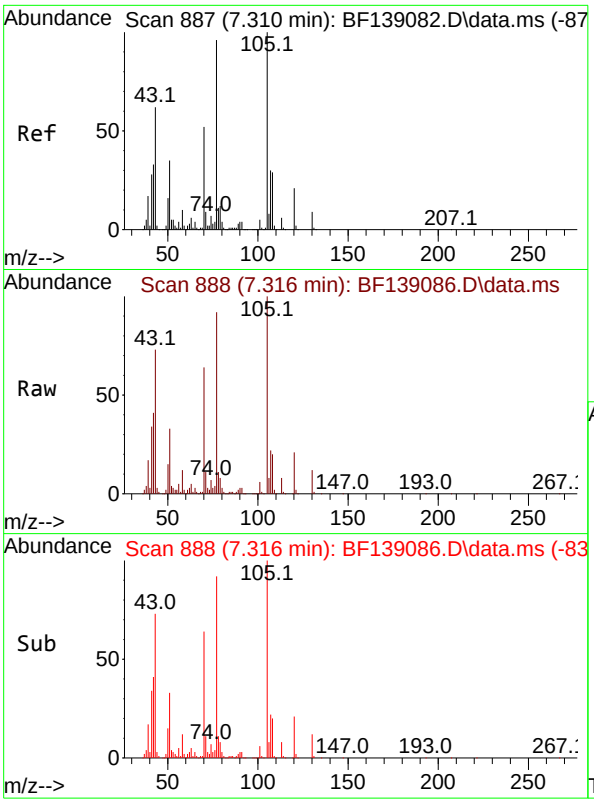


#18
Hexachloroethane
Concen: 39.525 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:117 Resp: 136978

Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.5	113.3
201	98.3	77.8	116.8



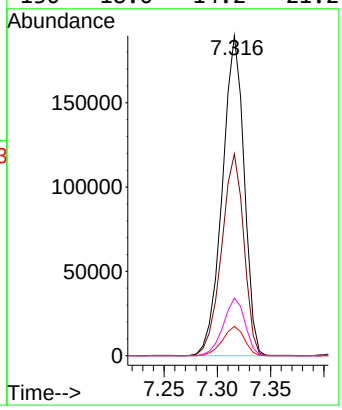


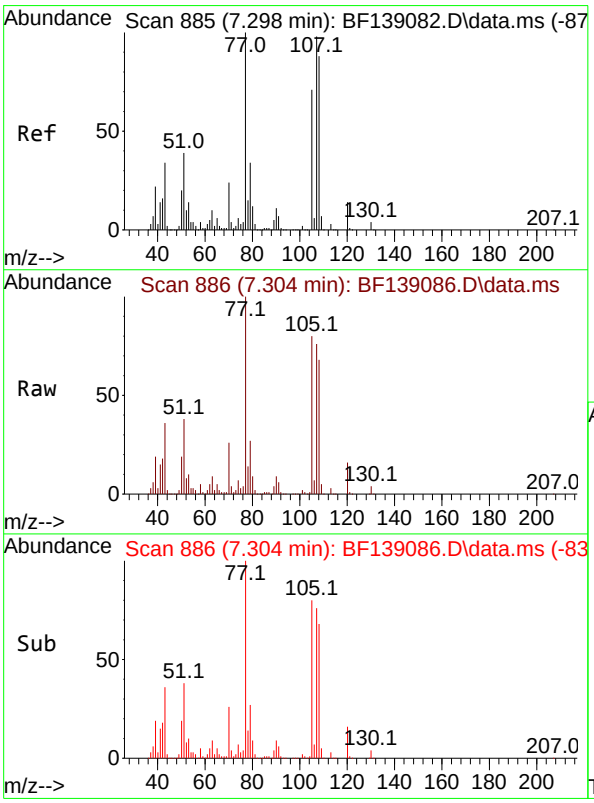
#19
n-Nitroso-di-n-propylamine
Concen: 37.225 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion: 70 Resp: 269988

Ion	Ratio	Lower	Upper
70	100		
42	63.0	50.5	75.7
101	9.2	7.2	10.8
130	18.0	14.2	21.2

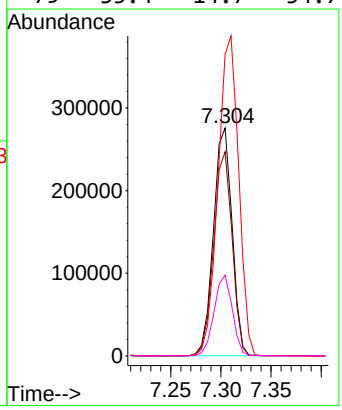


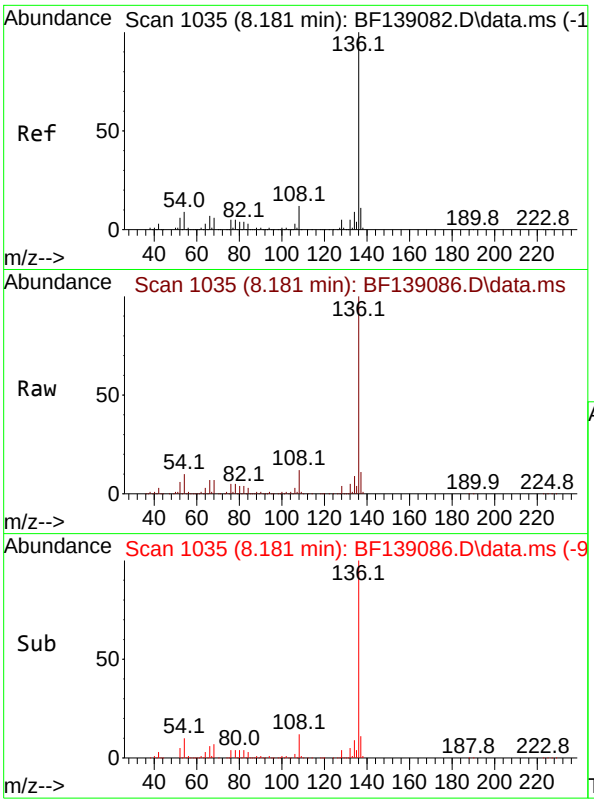


#20
3+4-Methylphenols
Concen: 38.947 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:107 Resp: 354908

Ion	Ratio	Lower	Upper
107	100		
108	89.5	70.2	110.2
77	132.2	82.7	122.7#
79	35.4	14.7	54.7



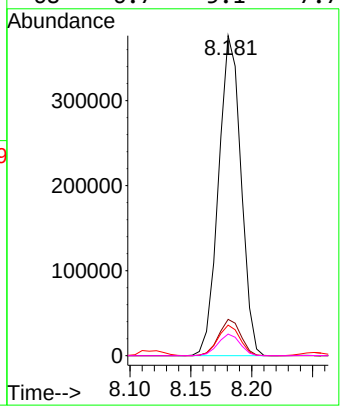


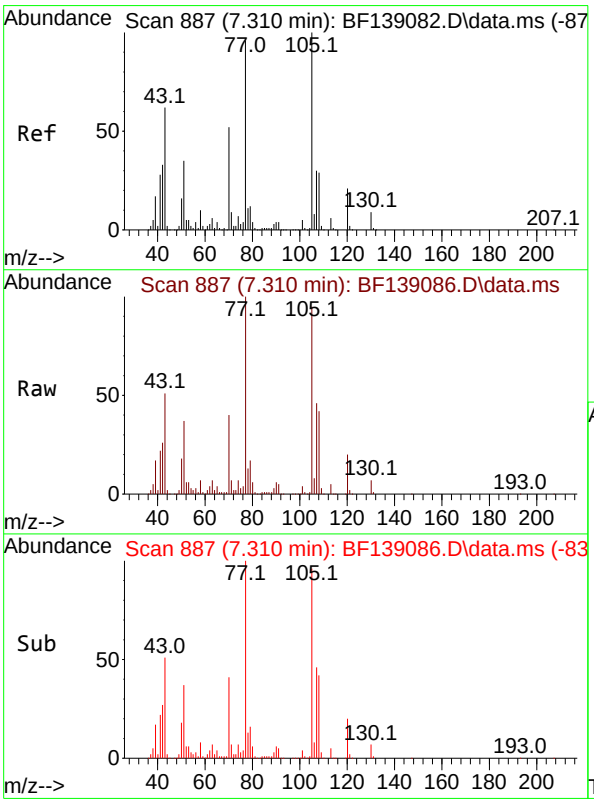
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:136 Resp: 482835

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	9.6	7.6	11.4
68	6.7	5.1	7.7

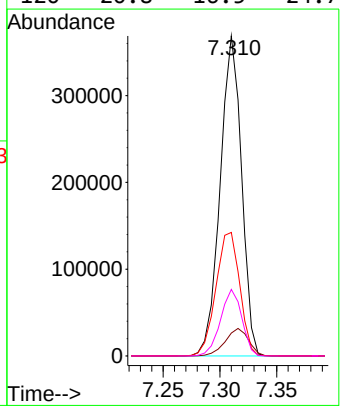


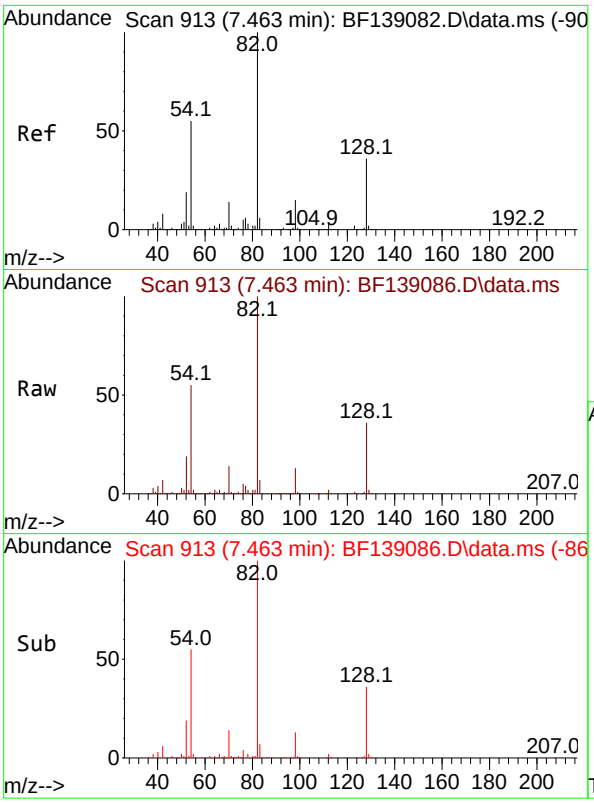


#22
Acetophenone
Concen: 39.114 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:105 Resp: 482210

Ion	Ratio	Lower	Upper
105	100		
71	7.1	7.0	10.6
51	38.6	28.0	42.0
120	20.8	16.5	24.7



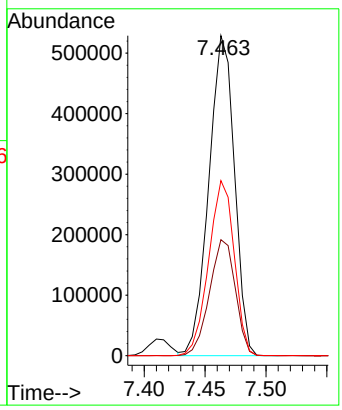


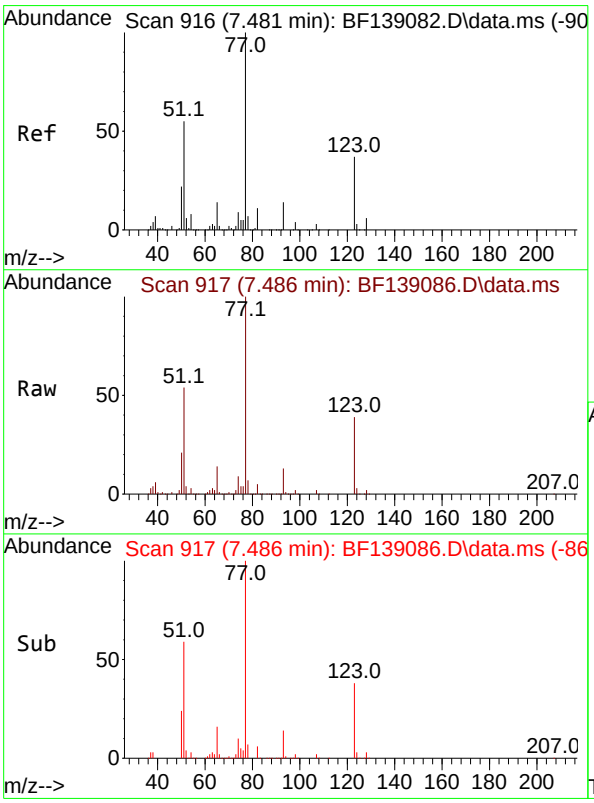
#23
Nitrobenzene-d5
Concen: 93.532 ng
RT: 7.463 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion: 82 Resp: 775025

Ion	Ratio	Lower	Upper
82	100		
128	36.2	29.0	43.4
54	54.7	43.4	65.2

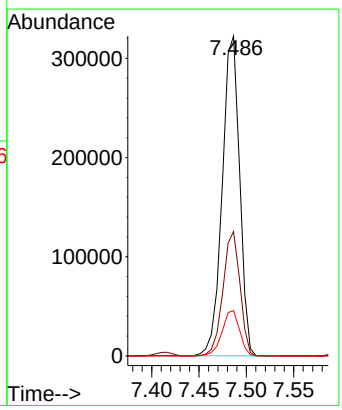


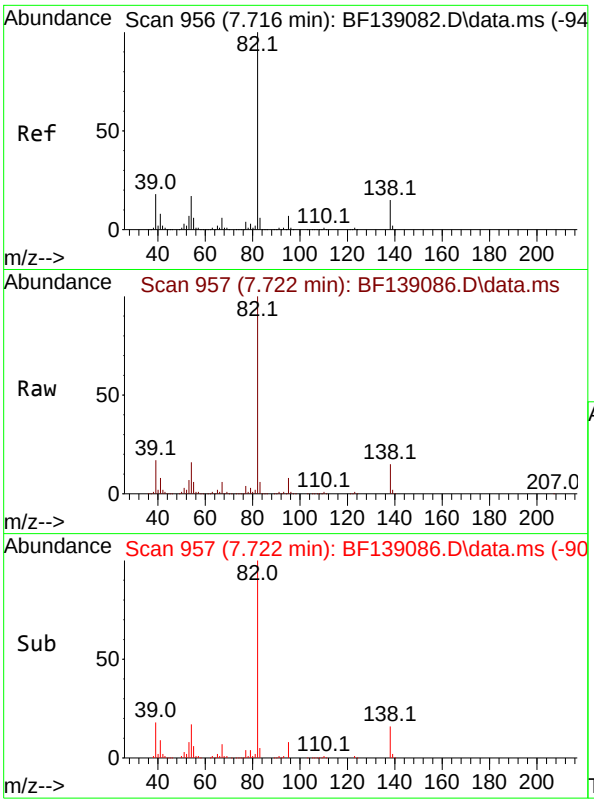


#24
Nitrobenzene
Concen: 44.775 ng
RT: 7.486 min Scan# 917
Delta R.T. 0.005 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion: 77 Resp: 412392

Ion	Ratio	Lower	Upper
77	100		
123	38.9	30.3	45.5
65	14.2	11.3	16.9



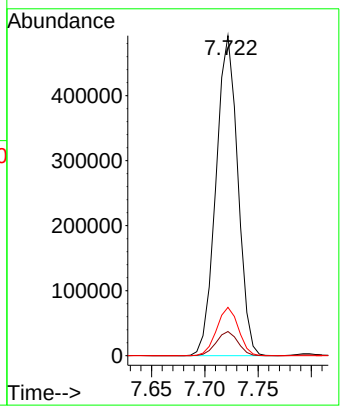


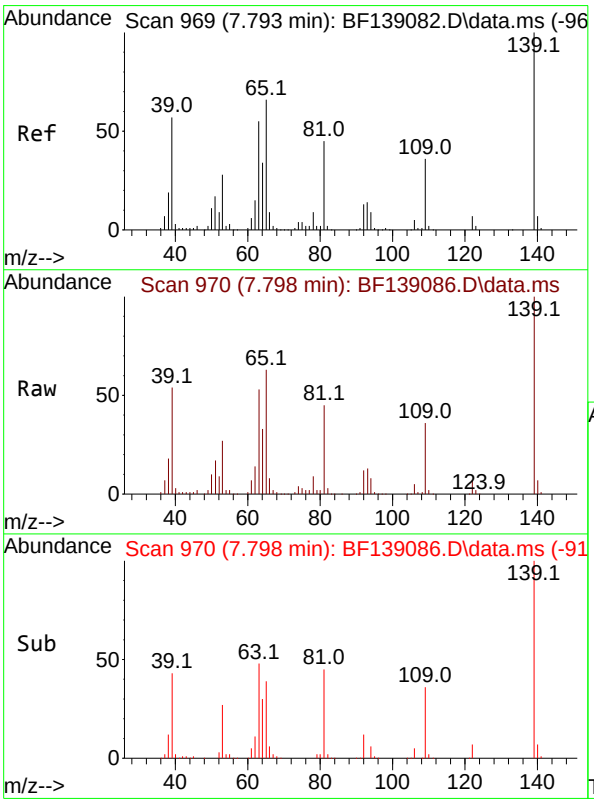
#25
Isophorone
Concen: 39.769 ng
RT: 7.722 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion: 82 Resp: 700407

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.9	8.9
138	15.1	11.8	17.8

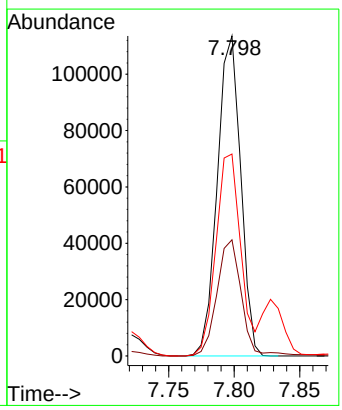


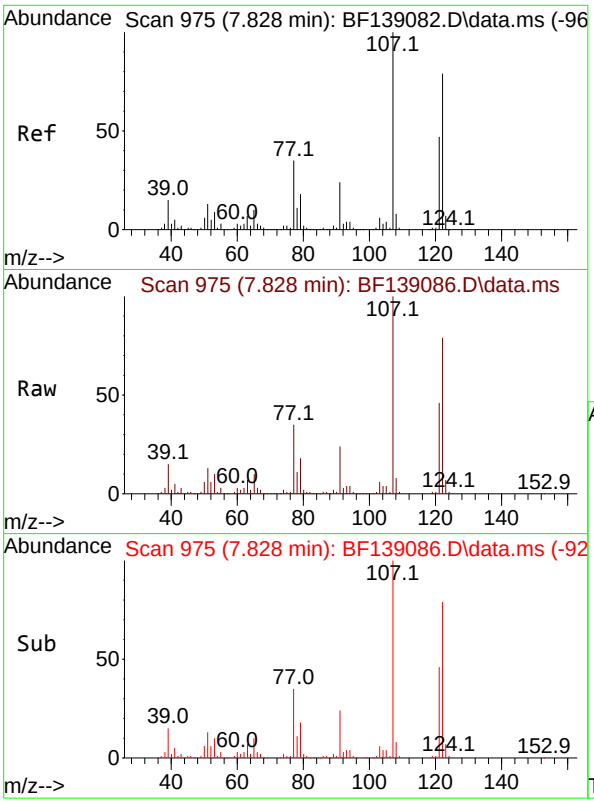


#26
2-Nitrophenol
Concen: 44.307 ng
RT: 7.798 min Scan# 970
Delta R.T. 0.005 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:139 Resp: 140738

Ion	Ratio	Lower	Upper
139	100		
109	36.3	29.2	43.8
65	63.1	52.7	79.1



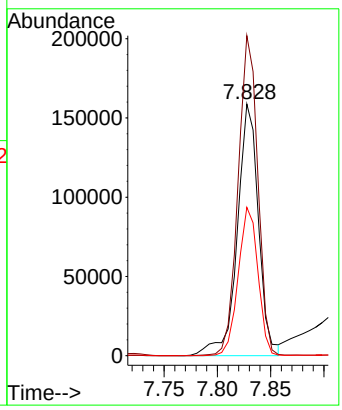


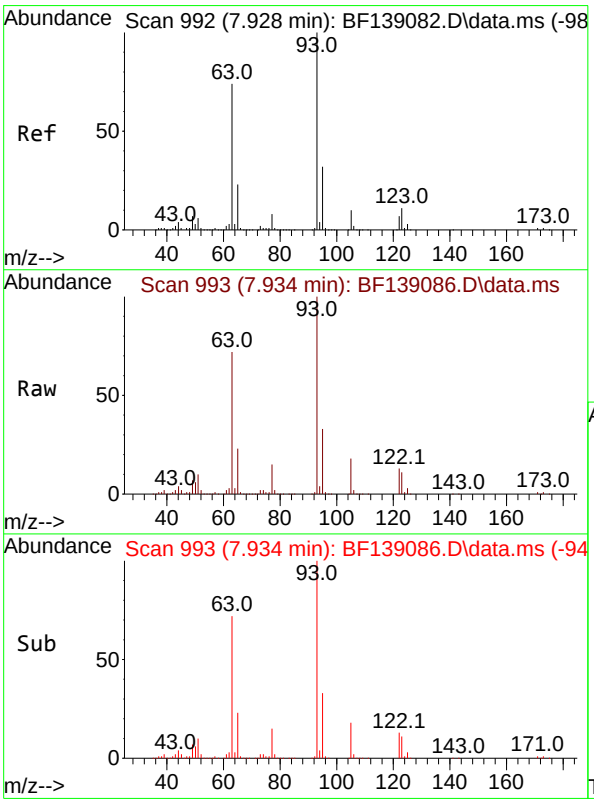
#27
2,4-Dimethylphenol
Concen: 39.399 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:122 Resp: 220037

Ion	Ratio	Lower	Upper
122	100		
107	127.2	101.1	151.7
121	59.0	47.5	71.3

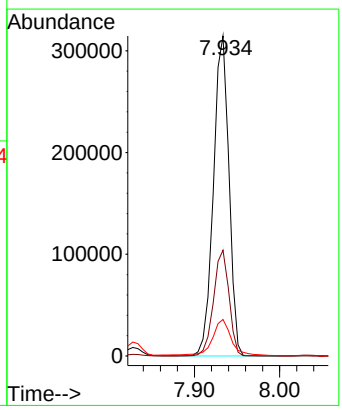


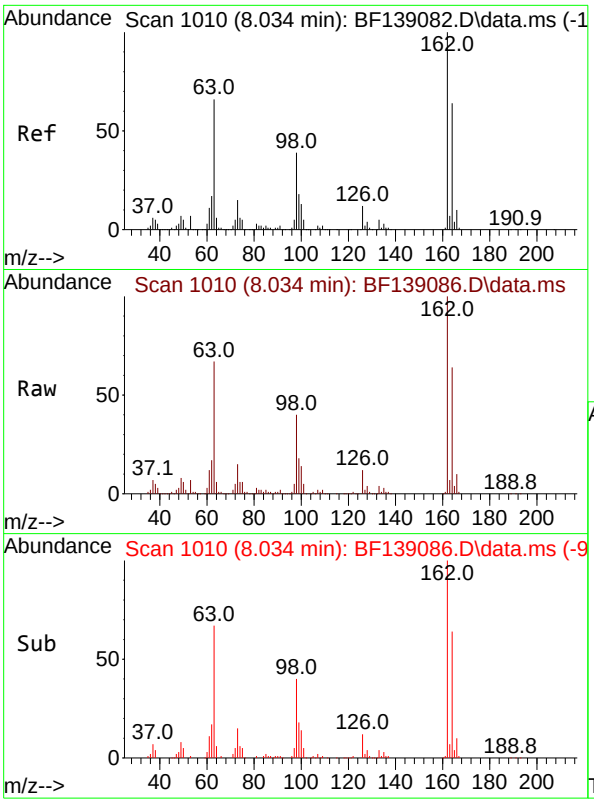


#28
bis(2-Chloroethoxy)methane
Concen: 38.636 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion: 93 Resp: 397597

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.8	38.8
123	11.4	8.9	13.3



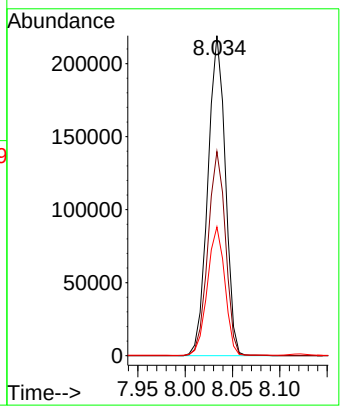


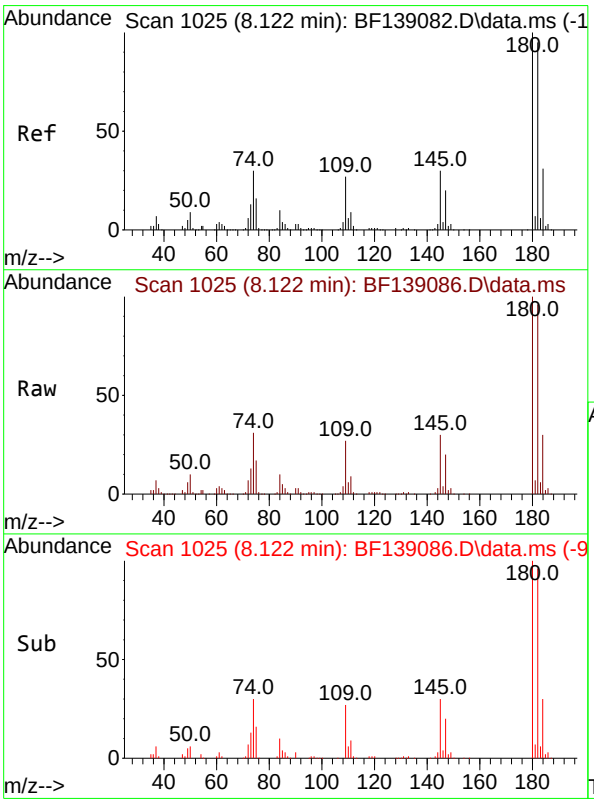
#29
2,4-Dichlorophenol
Concen: 40.406 ng
RT: 8.034 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:162 Resp: 281134

Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.9	83.9
98	40.3	19.7	59.7

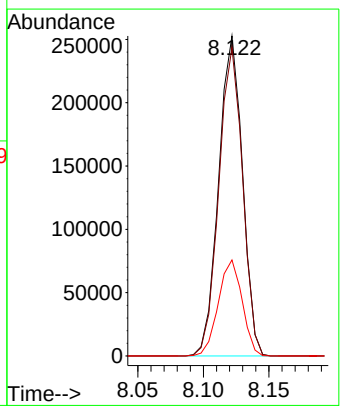


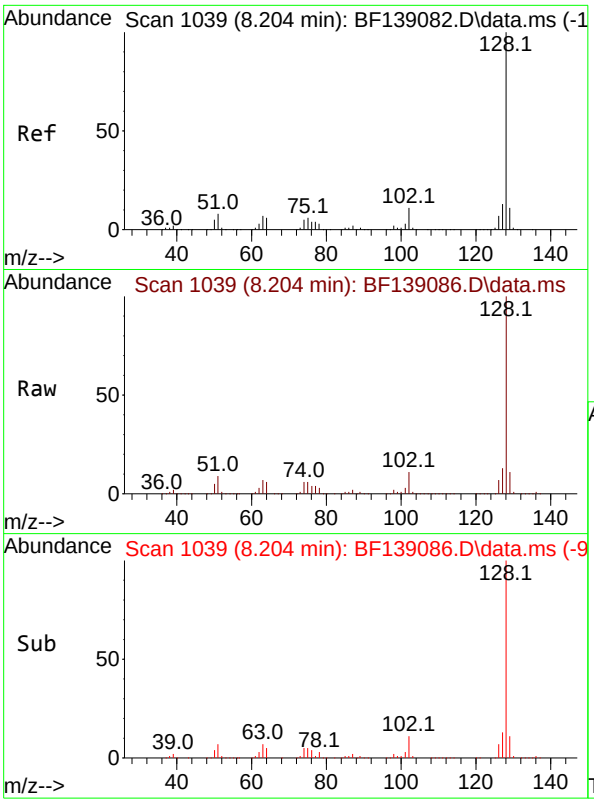


#30
1,2,4-Trichlorobenzene
Concen: 39.095 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:180 Resp: 318510

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.1	114.1
145	30.0	23.9	35.9



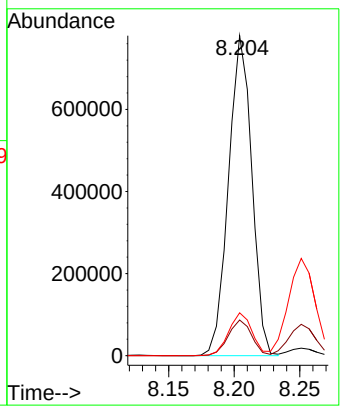


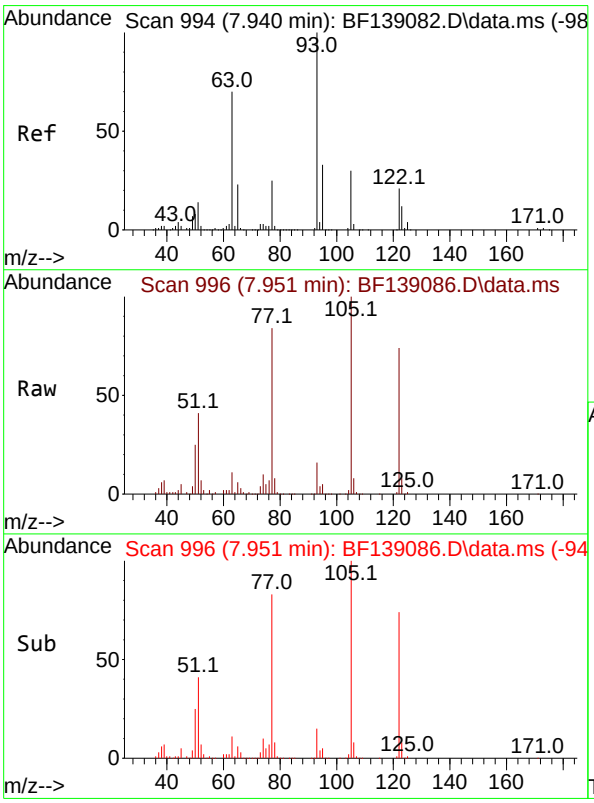
#31
Naphthalene
Concen: 39.482 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:128 Resp: 966033

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.4	10.7	16.1

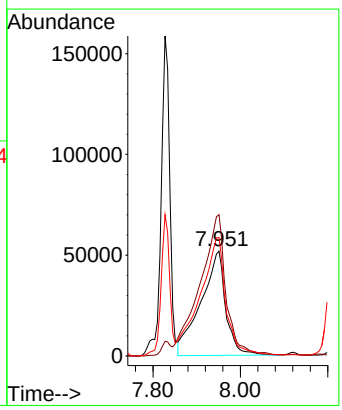


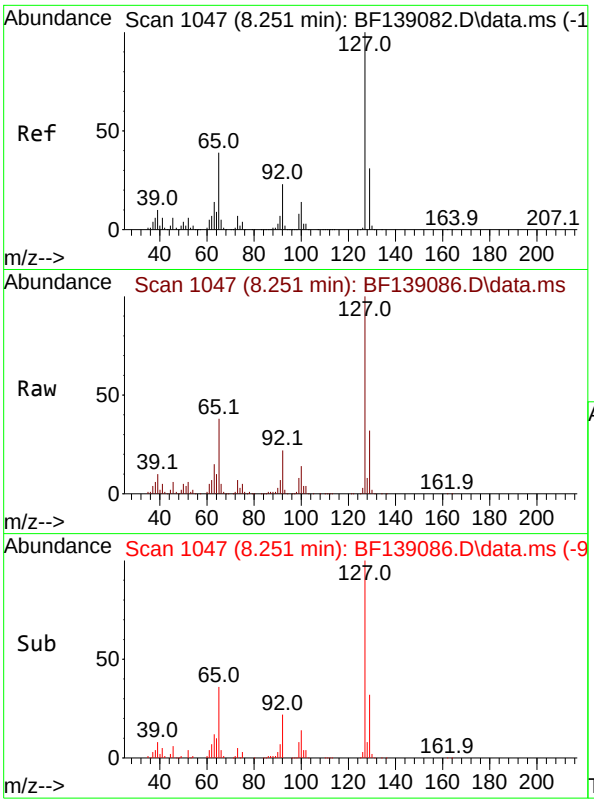


#32
Benzoic acid
Concen: 44.659 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.011 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:122 Resp: 204434

Ion	Ratio	Lower	Upper
122	100		
105	134.8	119.6	159.6
77	112.9	97.6	137.6



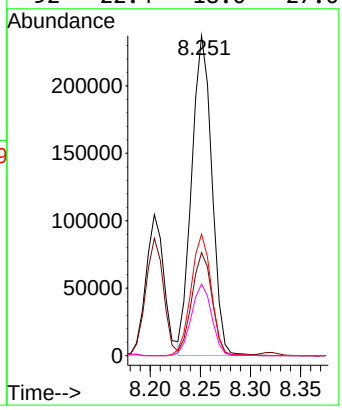


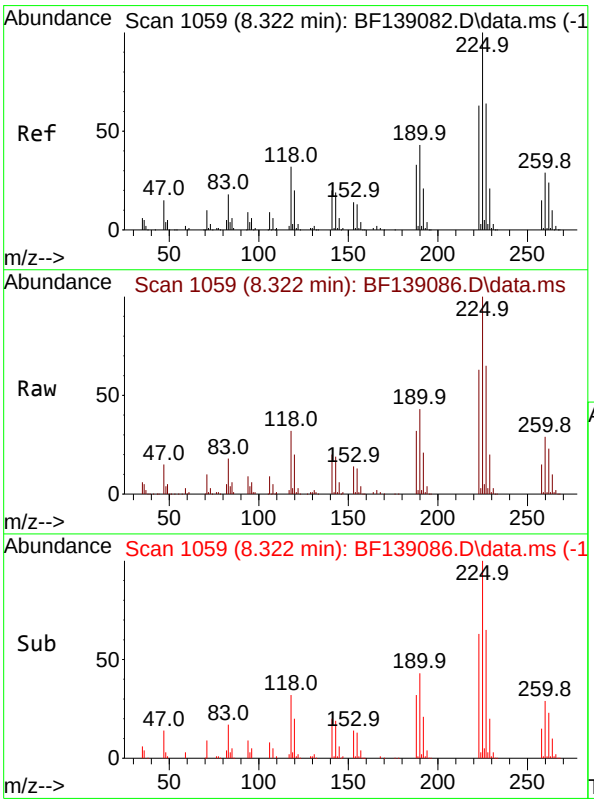
#33
4-Chloroaniline
Concen: 39.678 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:127 Resp: 332486

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.0	39.0
65	38.0	30.3	45.5
92	22.4	18.0	27.0

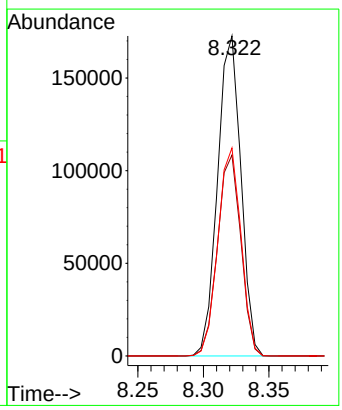


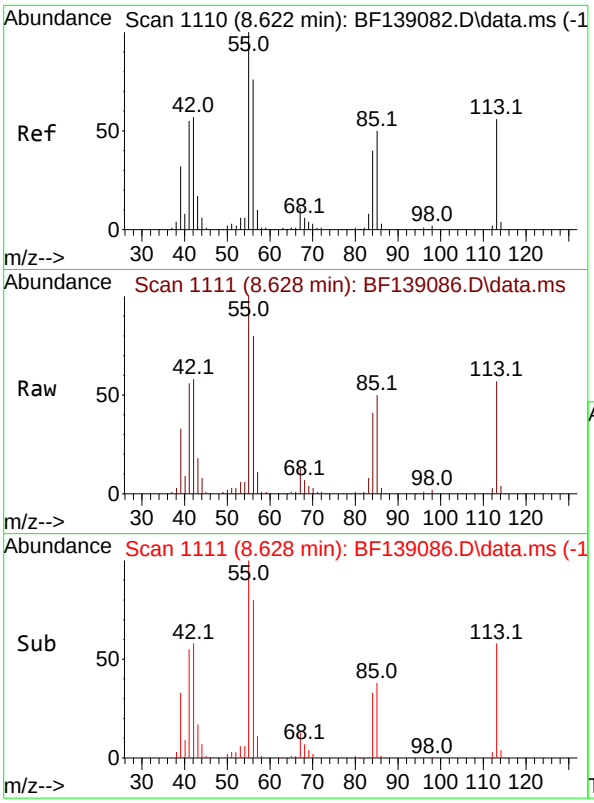


#34
Hexachlorobutadiene
Concen: 40.084 ng
RT: 8.322 min Scan# 1059
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:225 Resp: 213327

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.0	75.0
227	65.0	51.4	77.2



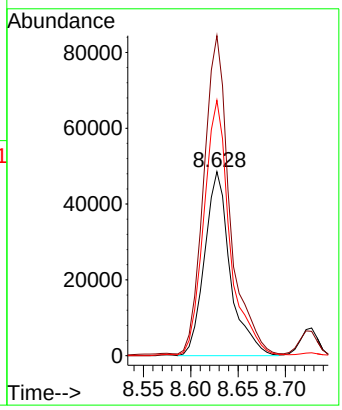


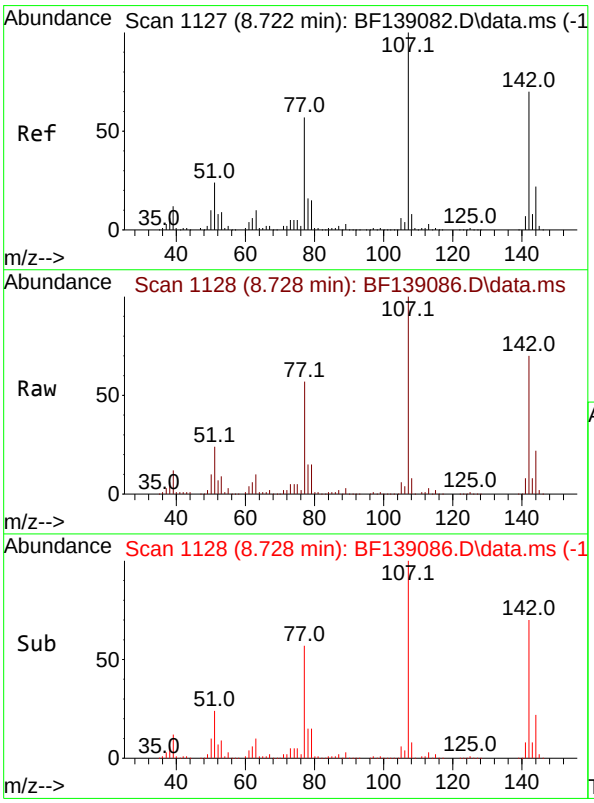
#35
Caprolactam
Concen: 41.544 ng
RT: 8.628 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:113 Resp: 91642

Ion	Ratio	Lower	Upper
113	100		
55	174.0	158.6	198.6
56	138.9	115.9	155.9

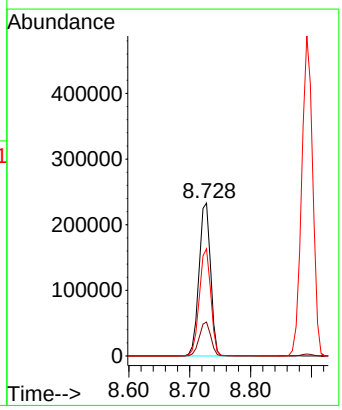


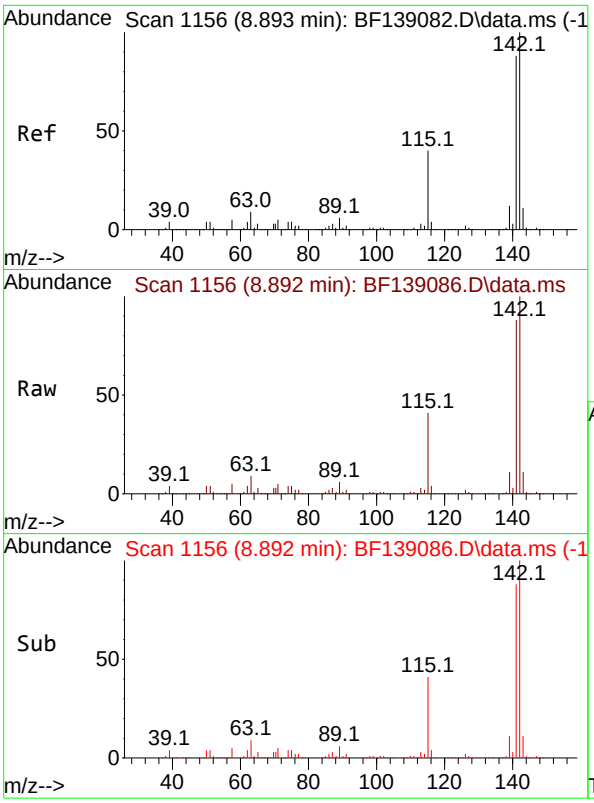


#36
4-Chloro-3-methylphenol
Concen: 40.003 ng
RT: 8.728 min Scan# 1128
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:107 Resp: 308176

Ion	Ratio	Lower	Upper
107	100		
144	22.2	17.7	26.5
142	70.0	55.6	83.4



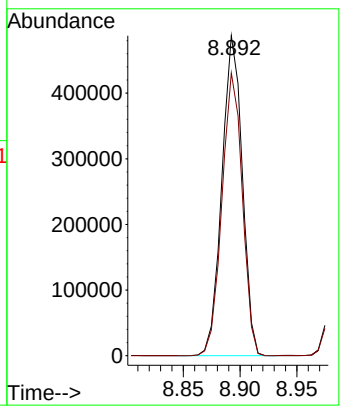


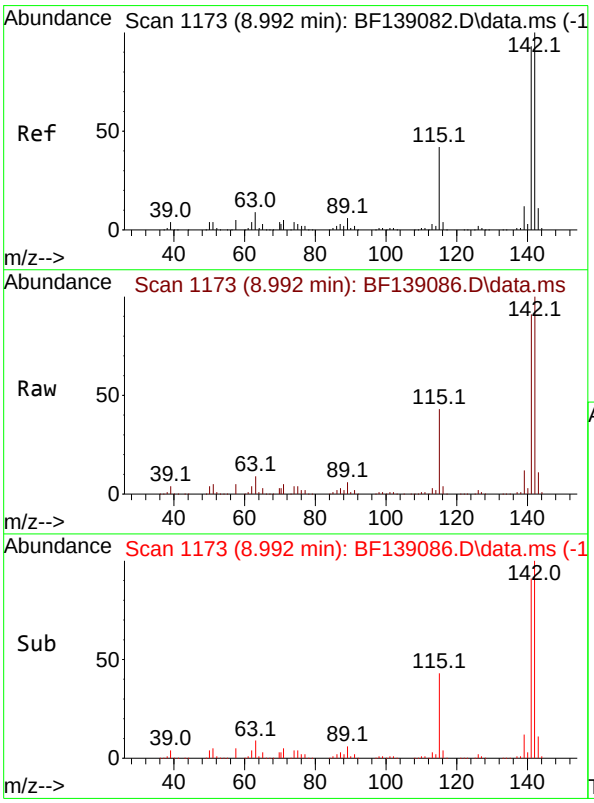
#37
2-Methylnaphthalene
Concen: 38.796 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:142 Resp: 608864

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.6	105.8

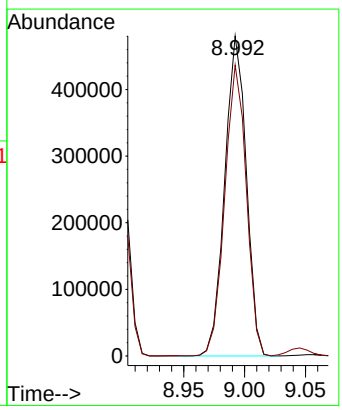


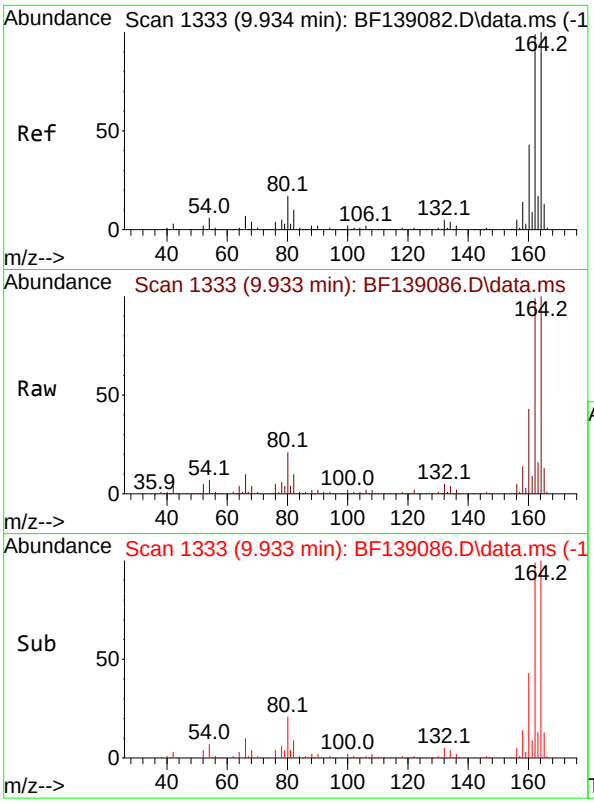


#38
1-Methylnaphthalene
Concen: 39.143 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:142 Resp: 592889

Ion	Ratio	Lower	Upper
142	100		
141	90.9	74.1	111.1



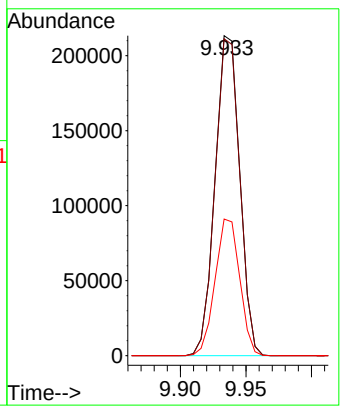


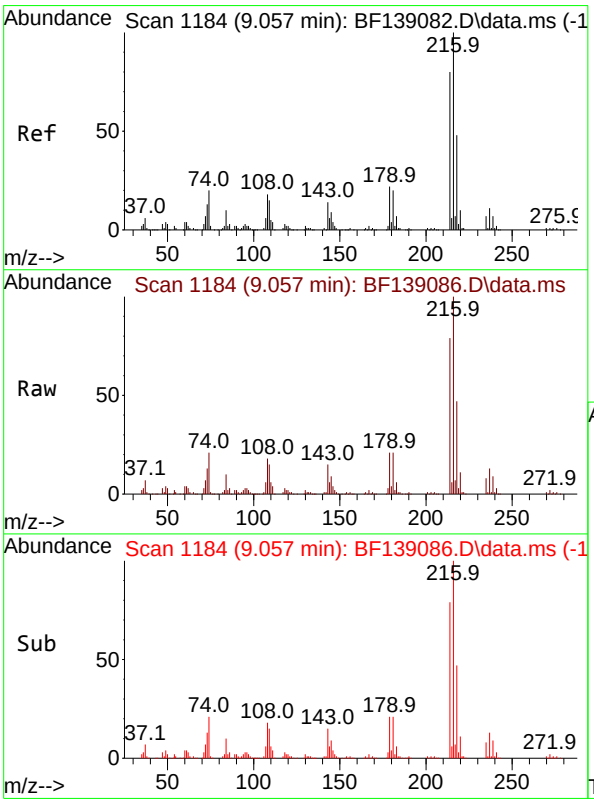
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:164 Resp: 279151

Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.5	119.3
160	42.7	34.5	51.7

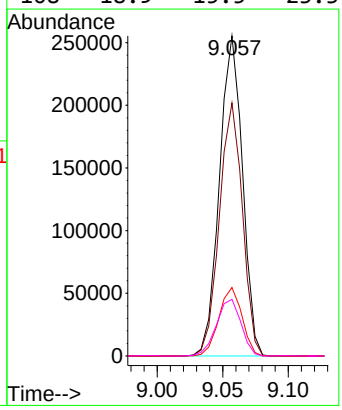


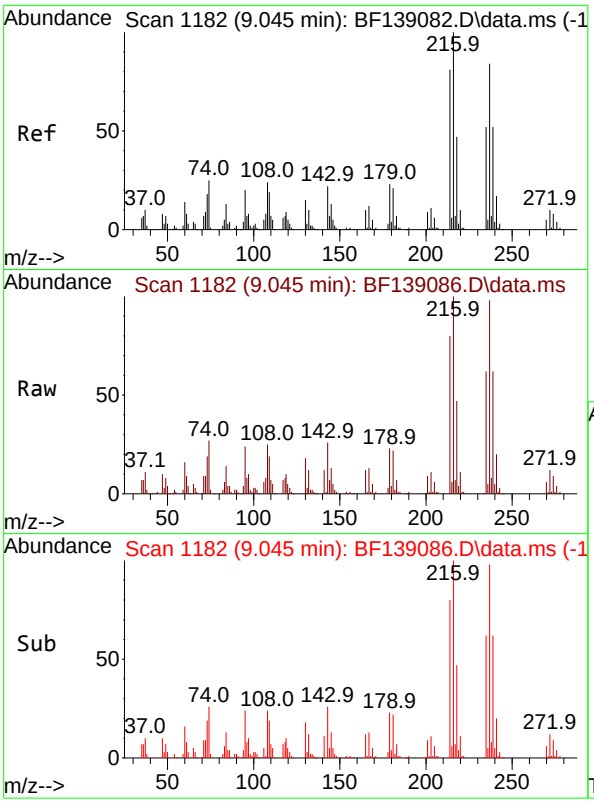


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.567 ng
RT: 9.057 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:216 Resp: 311505

Ion	Ratio	Lower	Upper
216	100		
214	79.0	64.2	96.2
179	21.5	17.4	26.2
108	18.9	15.5	23.3



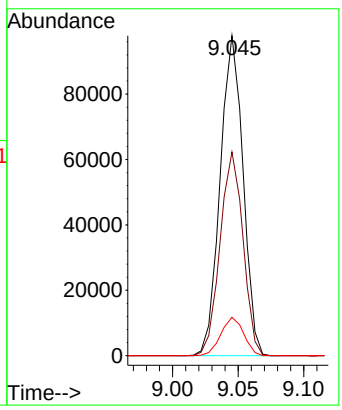


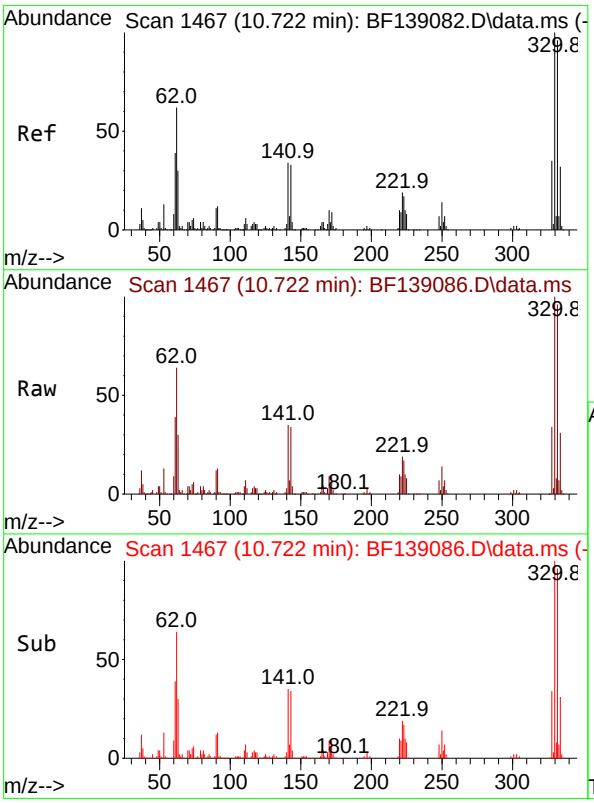
#41
Hexachlorocyclopentadiene
Concen: 40.411 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:237 Resp: 118697

Ion	Ratio	Lower	Upper
237	100		
235	63.7	42.5	82.5
272	12.0	0.0	32.0

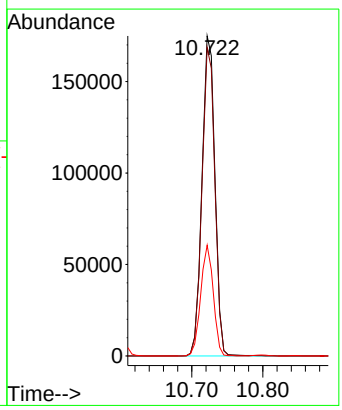


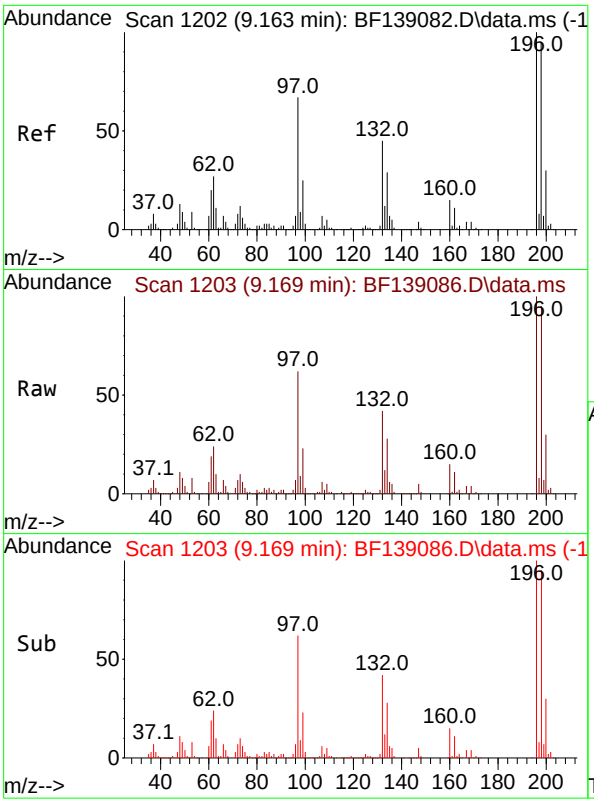


#42
2,4,6-Tribromophenol
Concen: 87.807 ng
RT: 10.722 min Scan# 1467
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:330 Resp: 221899

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	33.8	27.5	41.3



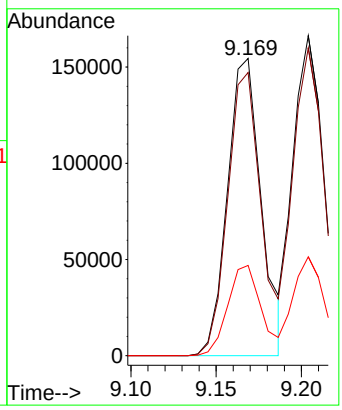


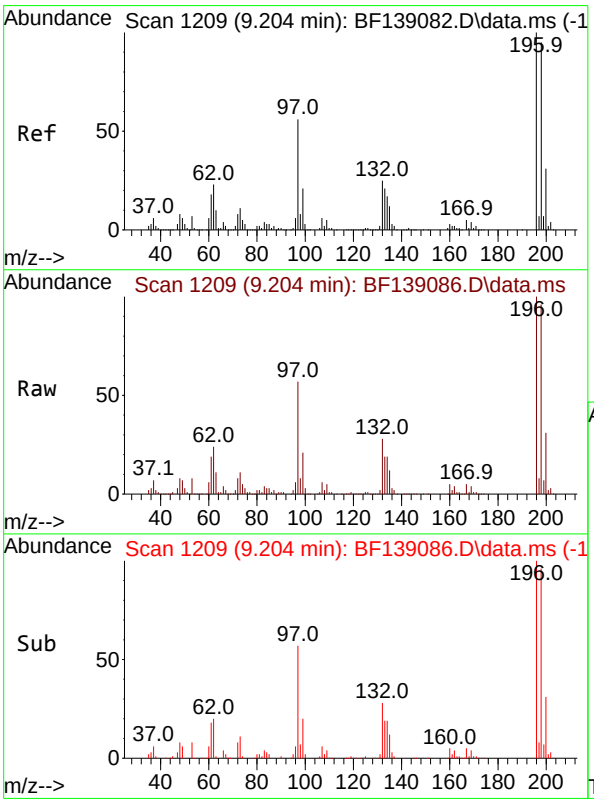
#43
2,4,6-Trichlorophenol
Concen: 41.317 ng
RT: 9.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:196 Resp: 213091

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.4	114.6
200	30.4	23.8	35.8

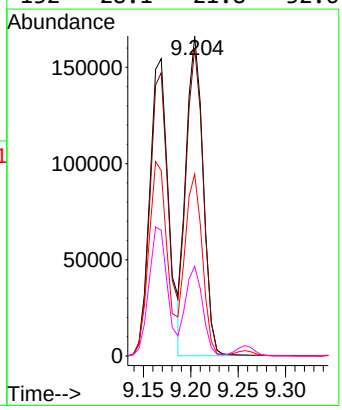


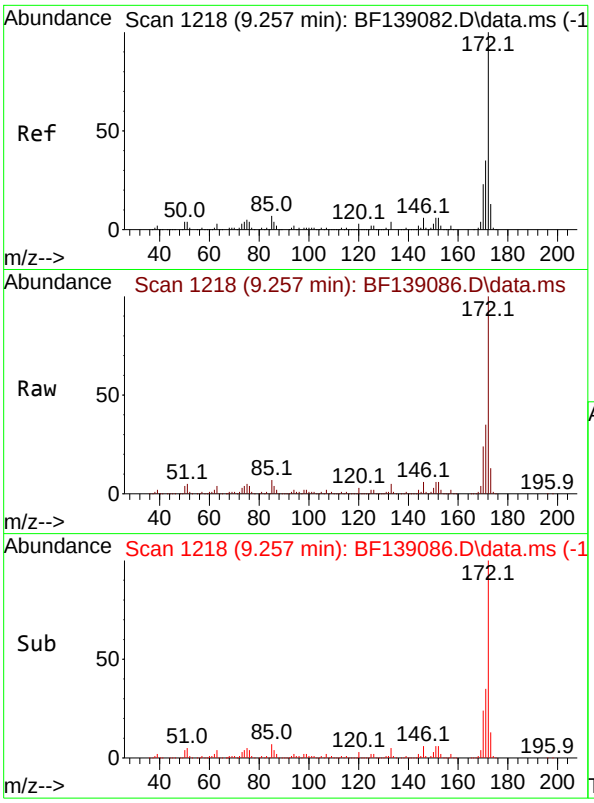


#44
2,4,5-Trichlorophenol
Concen: 39.434 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:196 Resp: 208758

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.6	114.8
97	56.9	44.6	67.0
132	28.1	21.8	32.6



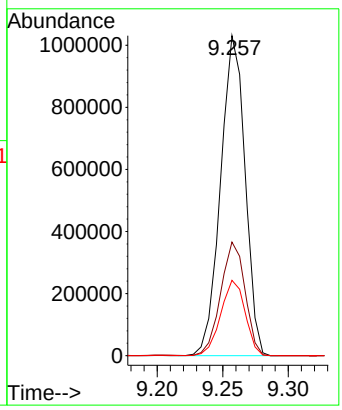


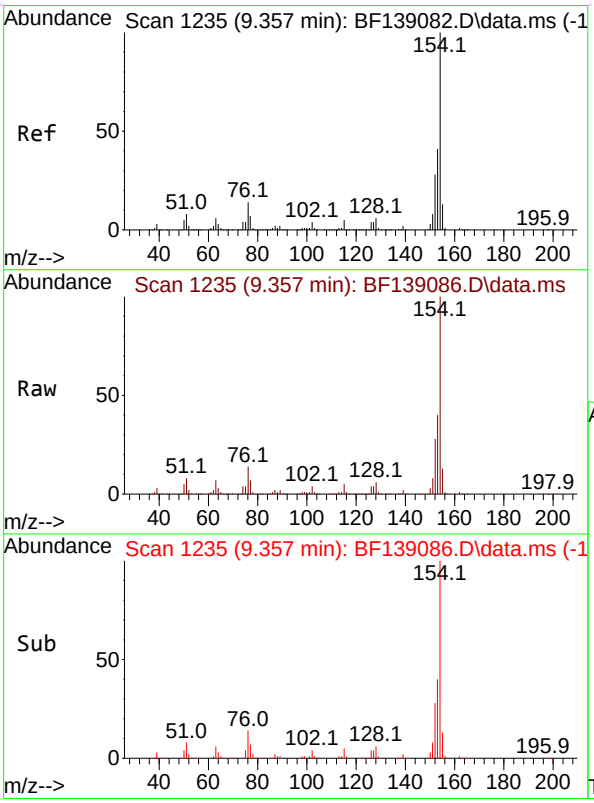
#45
2-Fluorobiphenyl
Concen: 76.128 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:172 Resp: 1339409

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.6	18.8	28.2

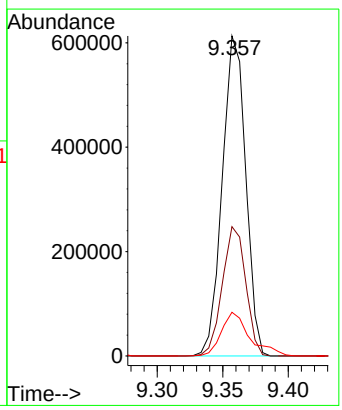


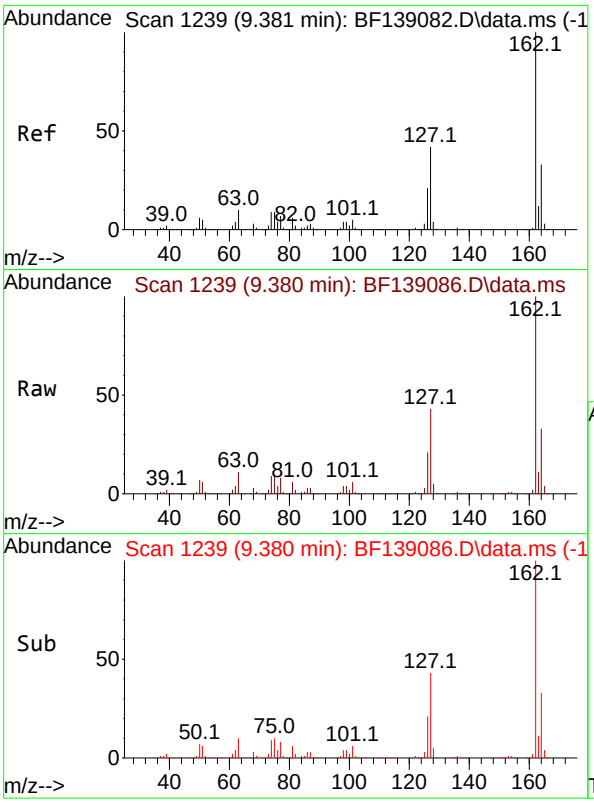


#46
1,1'-Biphenyl
Concen: 39.902 ng
RT: 9.357 min Scan# 1235
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:154 Resp: 763030

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.6	60.6
76	13.7	0.0	33.6



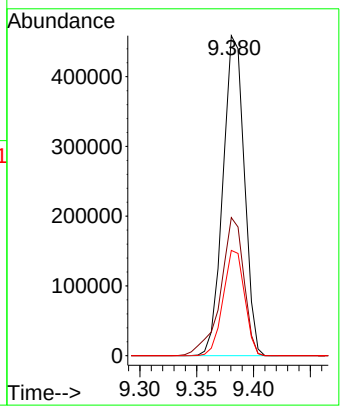


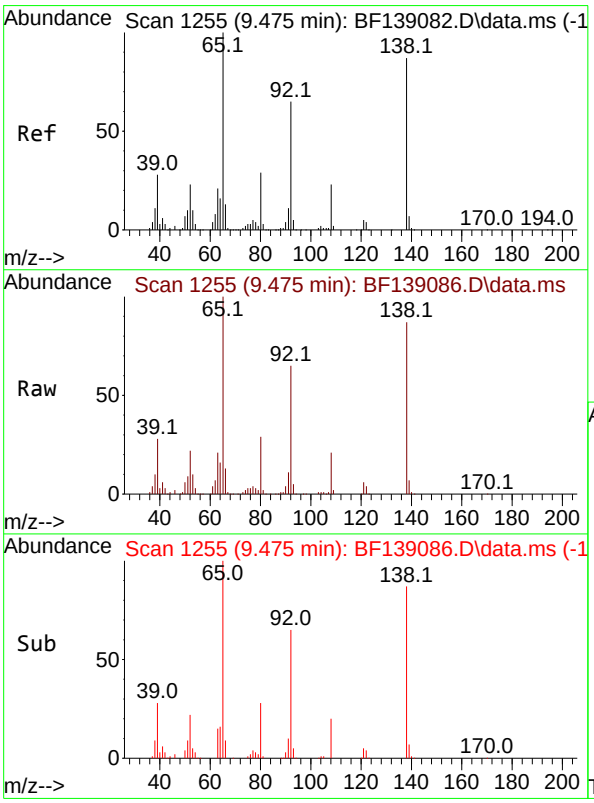
#47
2-Chloronaphthalene
Concen: 38.708 ng
RT: 9.380 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:162 Resp: 601423

Ion	Ratio	Lower	Upper
162	100		
127	43.1	33.8	50.6
164	32.9	26.3	39.5

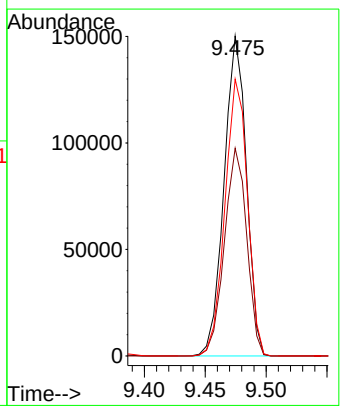


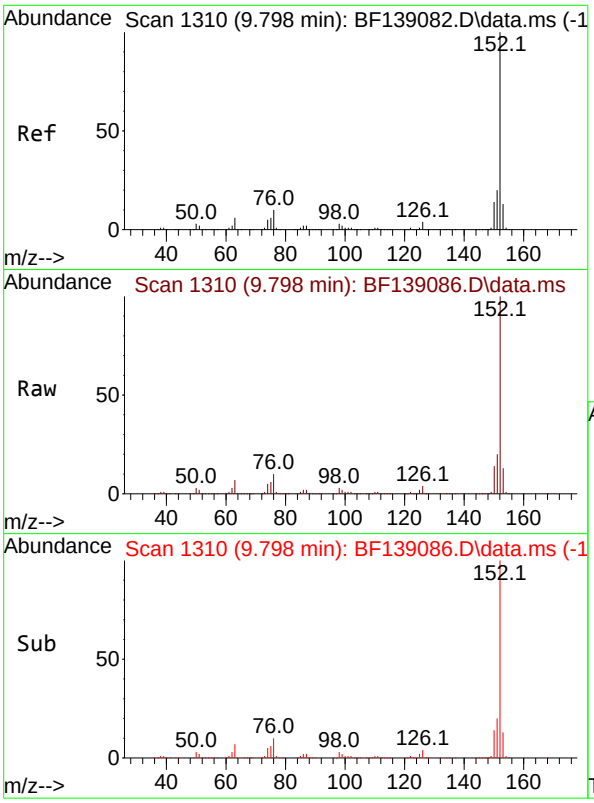


#48
2-Nitroaniline
Concen: 43.634 ng
RT: 9.475 min Scan# 1255
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion: 65 Resp: 191713

Ion	Ratio	Lower	Upper
65	100		
92	64.9	52.4	78.6
138	86.5	69.4	104.0



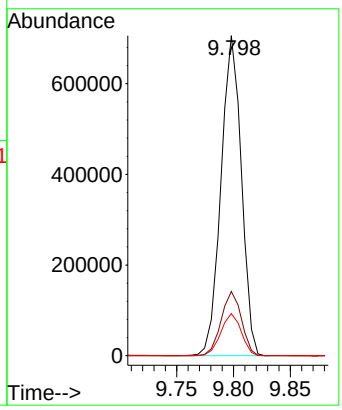


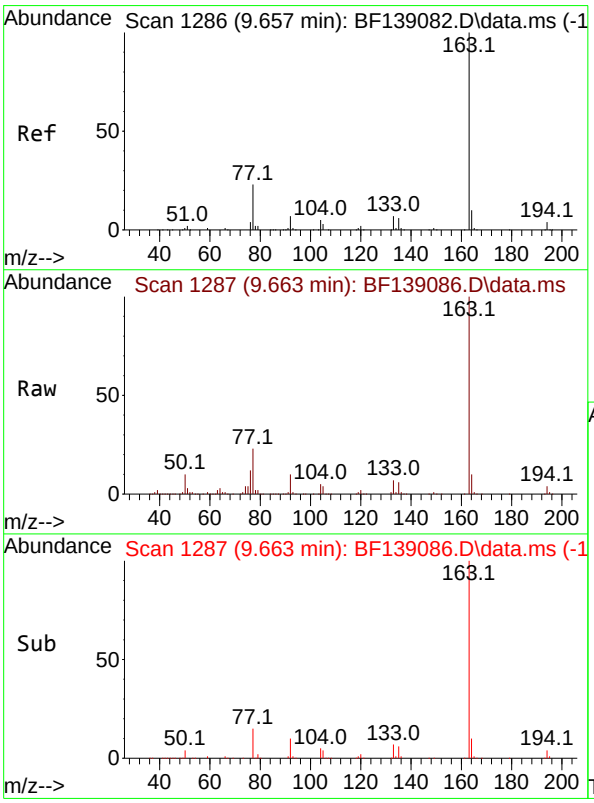
#49
Acenaphthylene
Concen: 39.533 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:152 Resp: 879919

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.1	10.6	15.8

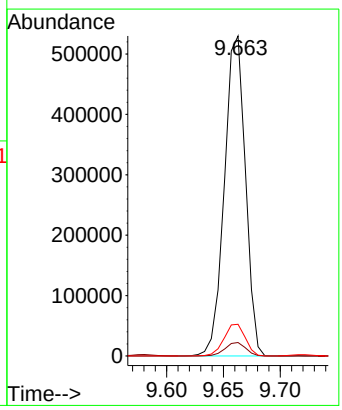


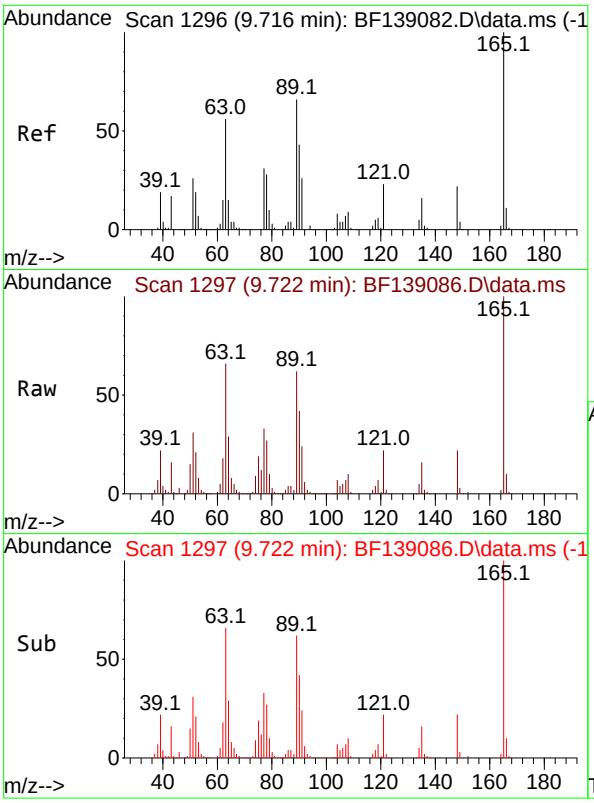


#50
Dimethylphthalate
Concen: 39.598 ng
RT: 9.663 min Scan# 1287
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:163 Resp: 682415

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	9.9	8.2	12.2



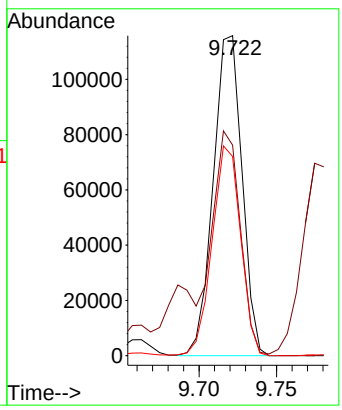


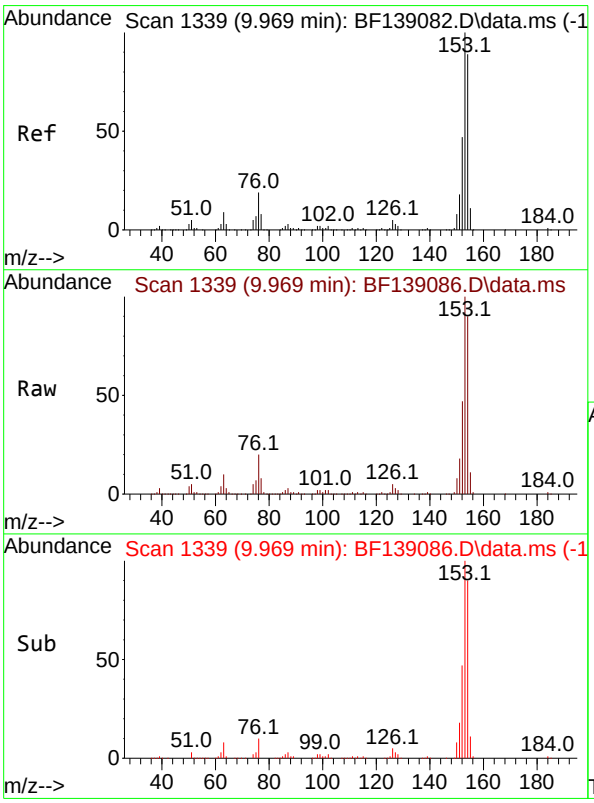
#51
2,6-Dinitrotoluene
Concen: 43.760 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:165 Resp: 149746

Ion	Ratio	Lower	Upper
165	100		
63	65.8	58.0	87.0
89	62.2	53.3	79.9

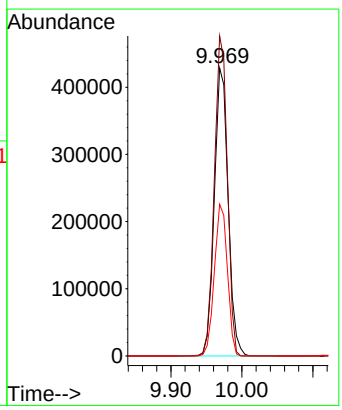


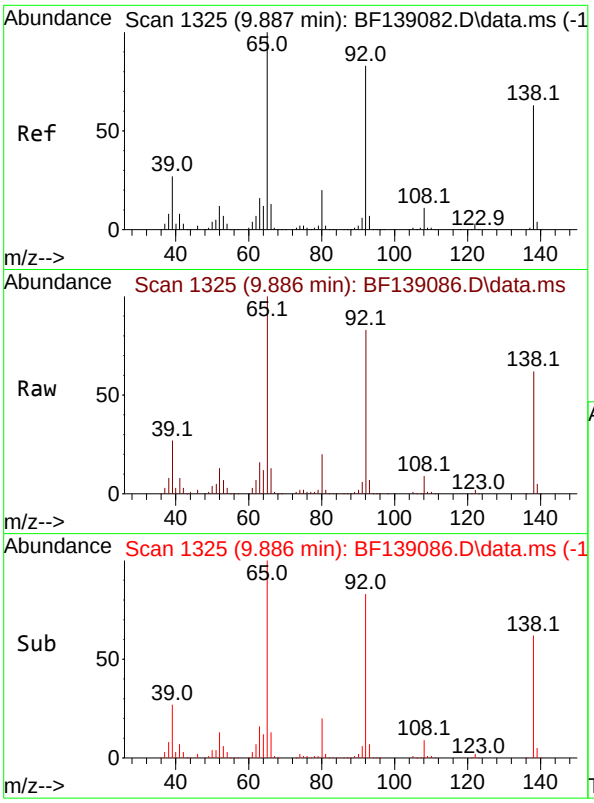


#52
Acenaphthene
Concen: 39.258 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:154 Resp: 577194

Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.7	134.5
152	52.6	42.3	63.5



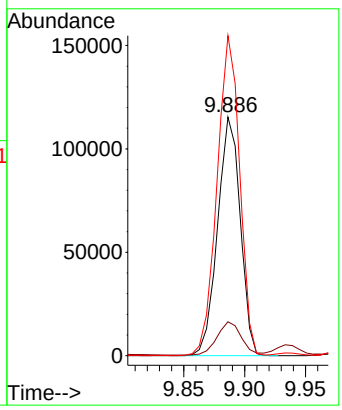


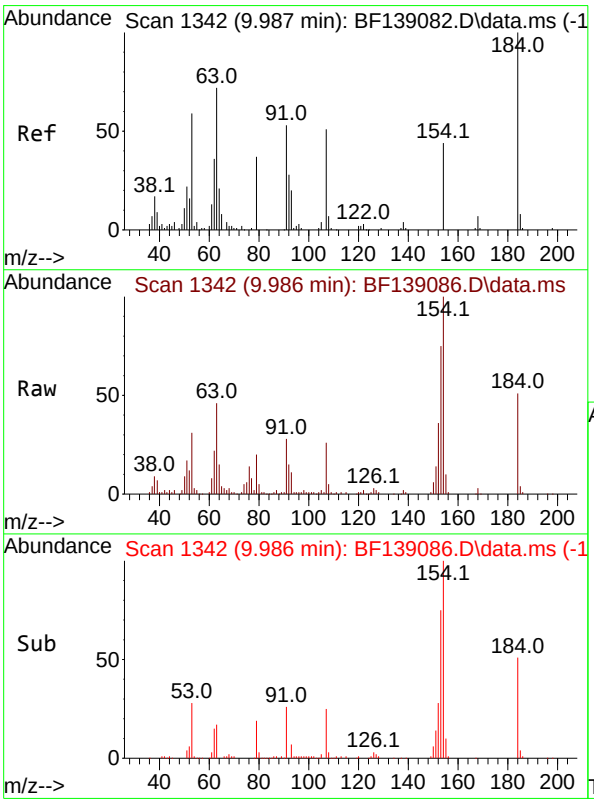
#53
3-Nitroaniline
Concen: 43.178 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:138 Resp: 149417

Ion	Ratio	Lower	Upper
138	100		
108	14.2	14.6	21.8#
92	134.1	105.9	158.9

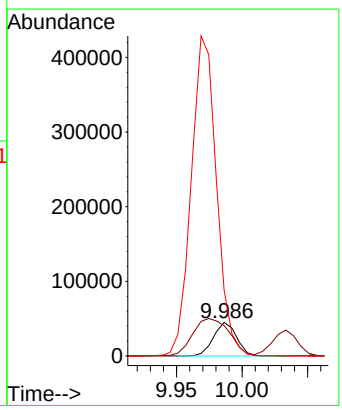


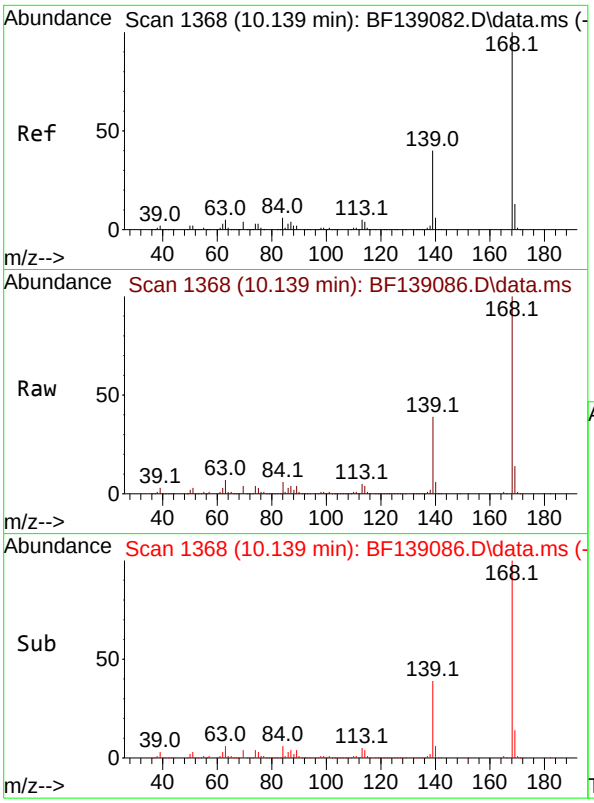


#54
2,4-Dinitrophenol
Concen: 48.138 ng
RT: 9.986 min Scan# 1342
Delta R.T. -0.001 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:184 Resp: 54802

Ion	Ratio	Lower	Upper
184	100		
63	90.4	70.5	105.7
154	195.2	135.0	202.6



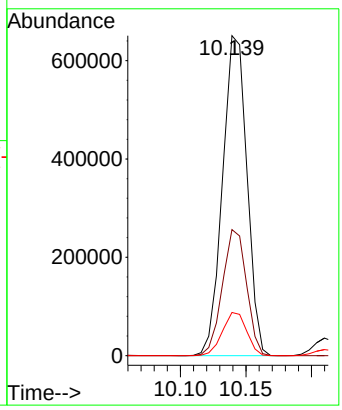


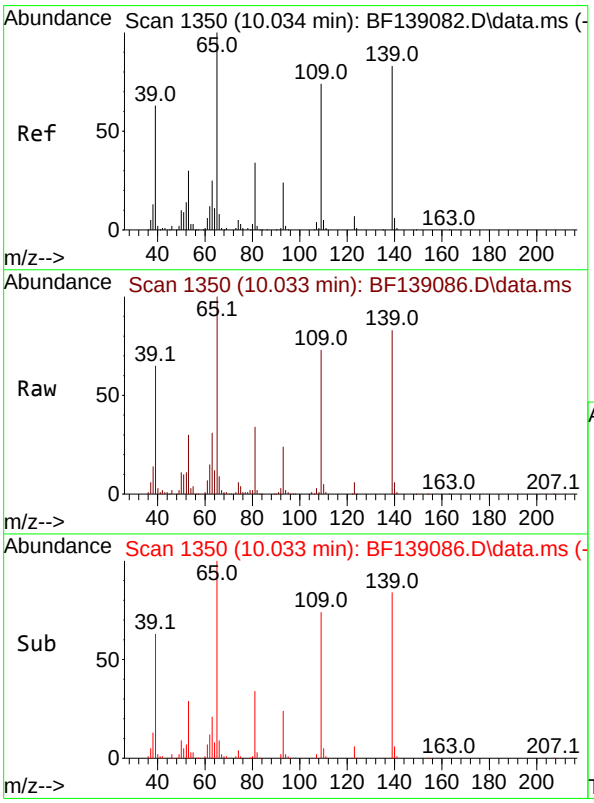
#55
Dibenzofuran
Concen: 39.486 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:168 Resp: 843236

Ion	Ratio	Lower	Upper
168	100		
139	39.4	31.6	47.4
169	13.5	10.7	16.1

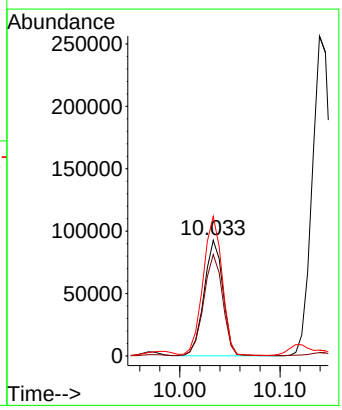


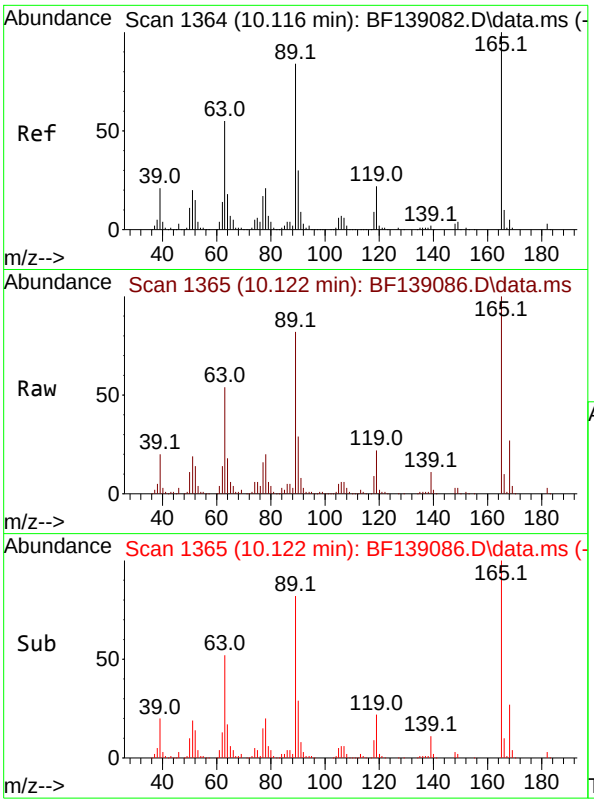


#56
4-Nitrophenol
Concen: 46.609 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.001 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:139 Resp: 121416

Ion	Ratio	Lower	Upper
139	100		
109	87.7	68.8	108.8
65	120.7	101.3	141.3



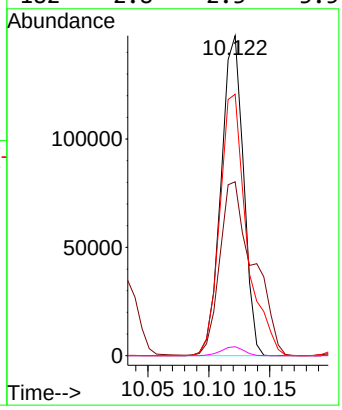


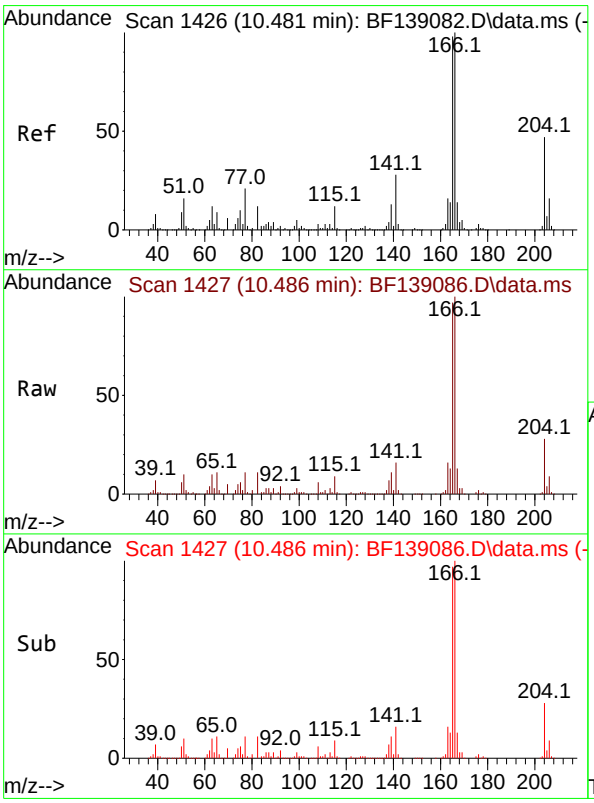
#57
2,4-Dinitrotoluene
Concen: 44.204 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:165 Resp: 189415

Ion	Ratio	Lower	Upper
165	100		
63	54.4	44.2	66.4
89	81.7	67.4	101.2
182	2.8	2.3	3.5

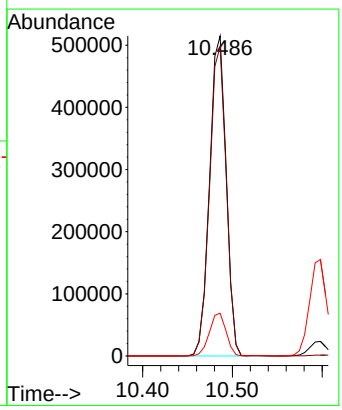


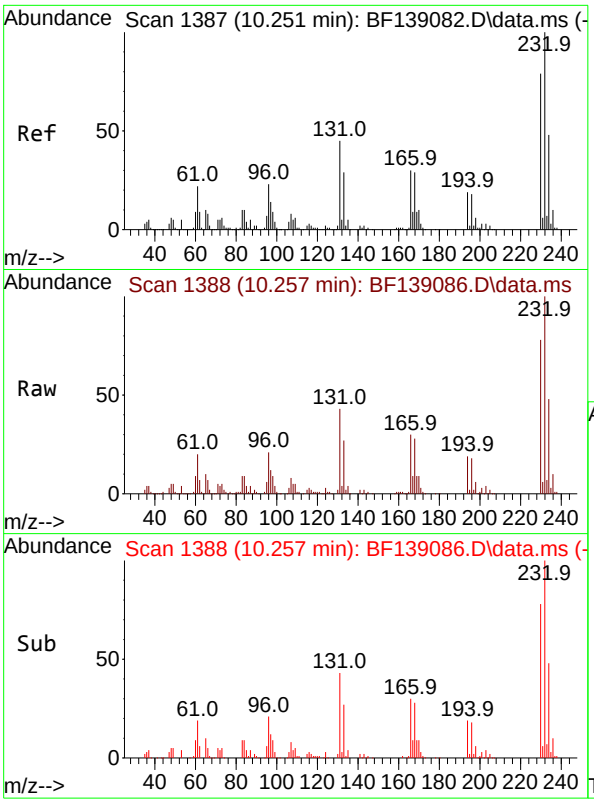


#58
Fluorene
Concen: 38.823 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:166 Resp: 662565

Ion	Ratio	Lower	Upper
166	100		
165	96.7	78.0	117.0
167	13.4	11.0	16.4



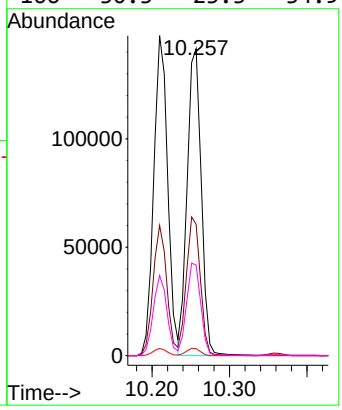


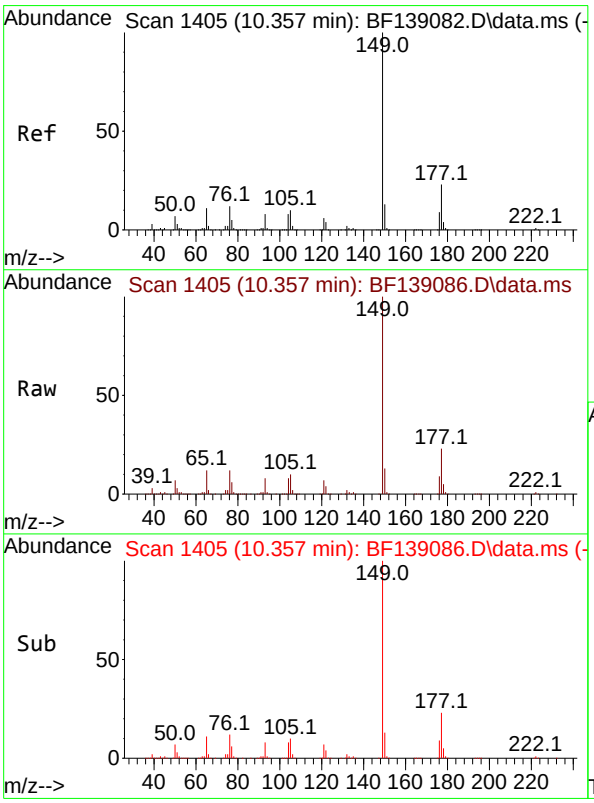
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.094 ng
RT: 10.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:232 Resp: 178921

Ion	Ratio	Lower	Upper
232	100		
131	44.9	36.0	54.0
130	2.4	2.0	3.0
166	30.3	23.3	34.9

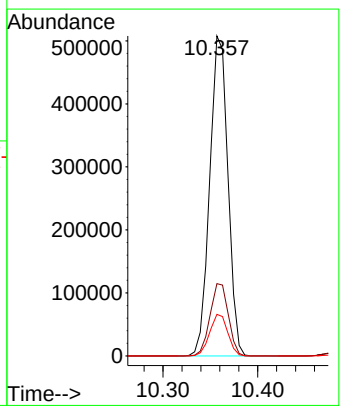


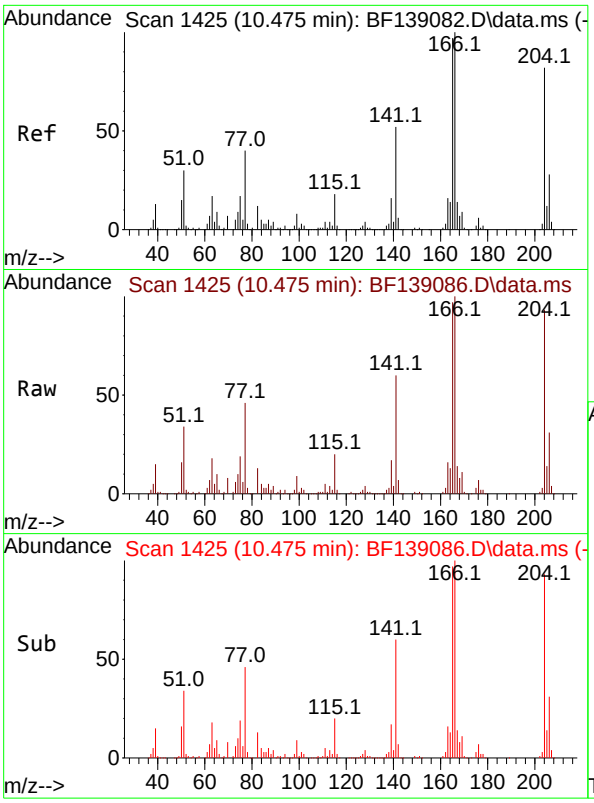


#60
Diethylphthalate
Concen: 39.783 ng
RT: 10.357 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:149 Resp: 679316

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.4	27.6
150	13.0	10.2	15.2



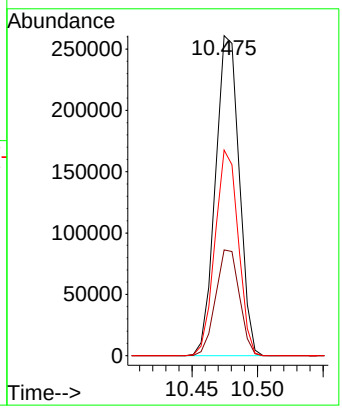


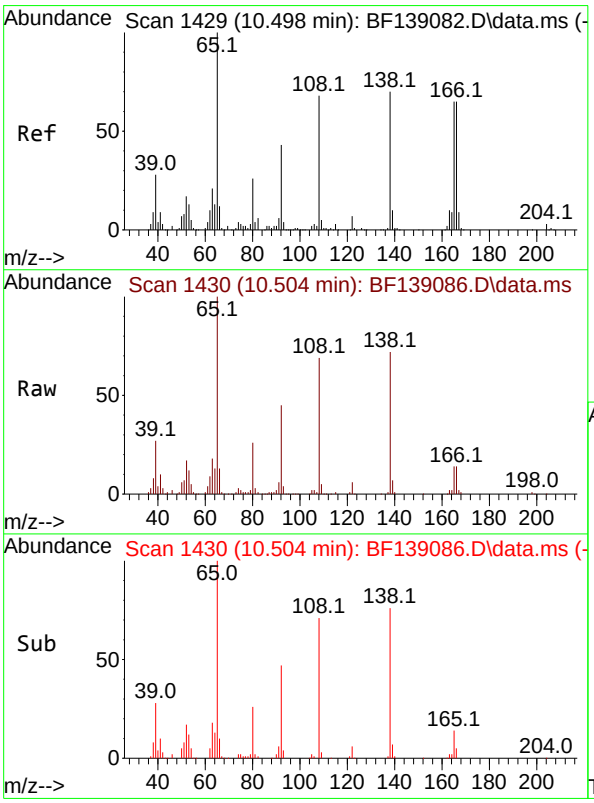
#61
4-Chlorophenyl-phenylether
Concen: 38.579 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:204 Resp: 328835

Ion	Ratio	Lower	Upper
204	100		
206	33.1	27.0	40.4
141	64.3	50.9	76.3

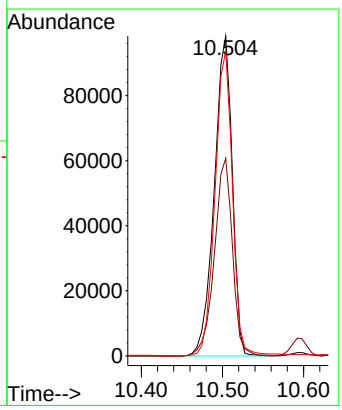


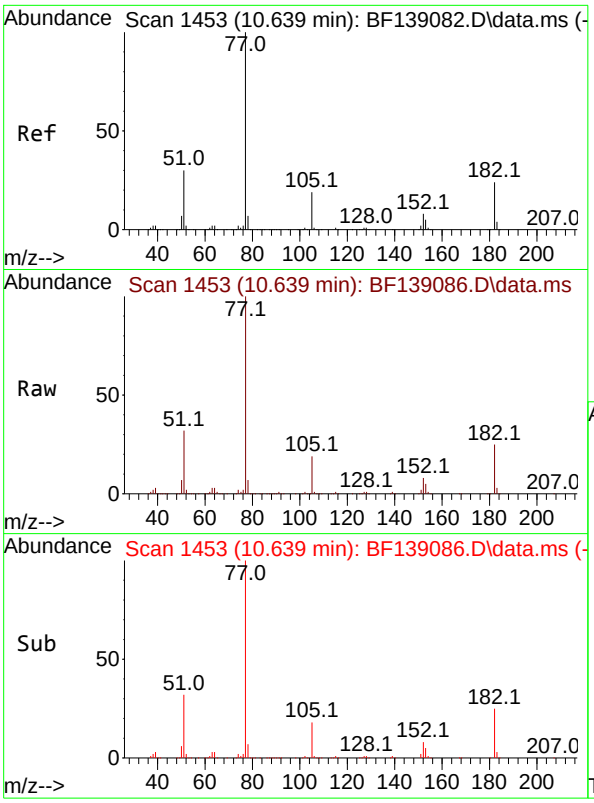


#62
4-Nitroaniline
Concen: 43.331 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:138 Resp: 151891

Ion	Ratio	Lower	Upper
138	100		
92	61.8	41.4	81.4
108	95.4	76.8	116.8



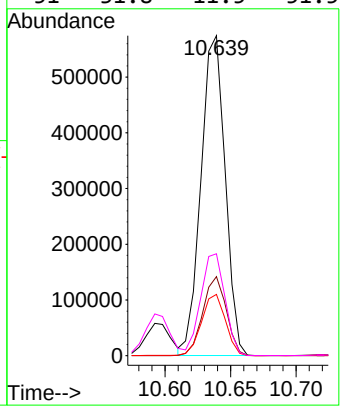


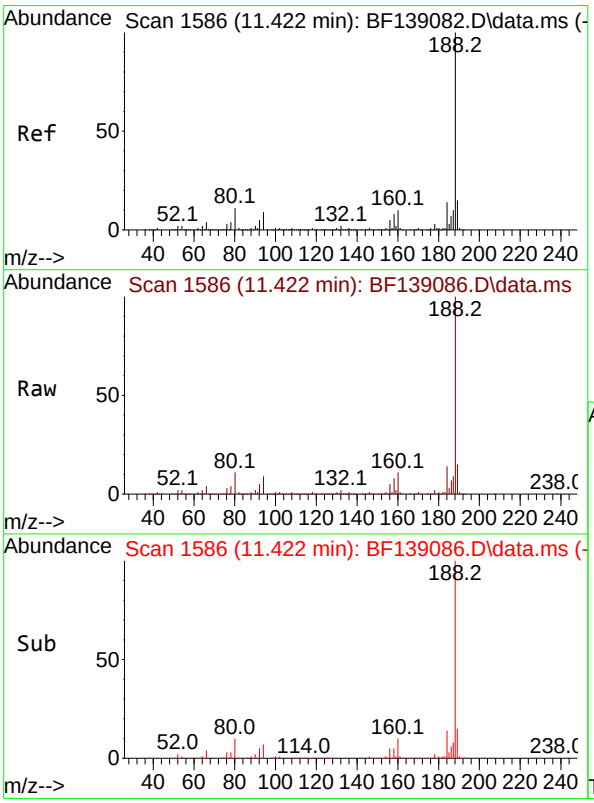
#63
Azobenzene
Concen: 38.960 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion: 77 Resp: 739304

Ion	Ratio	Lower	Upper
77	100		
182	24.7	4.0	44.0
105	19.1	0.0	39.1
51	31.8	11.5	51.5

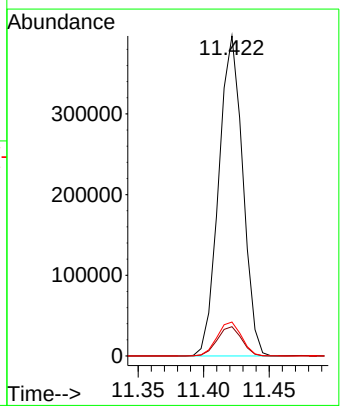


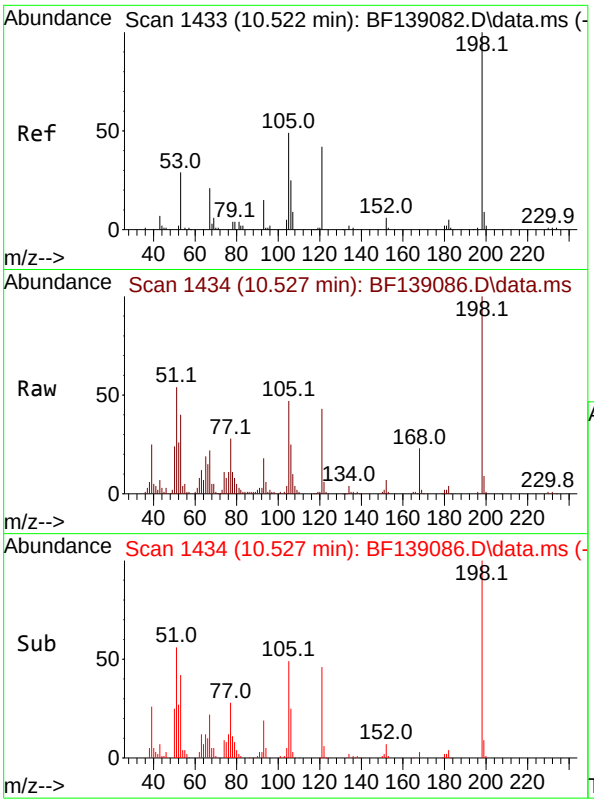


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:188 Resp: 504492

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	10.6	8.5	12.7



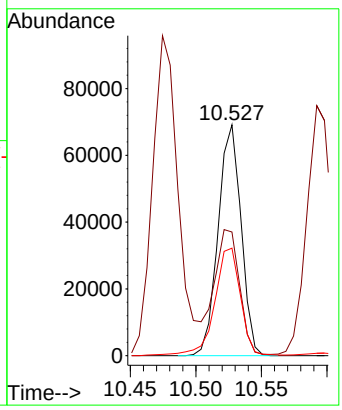


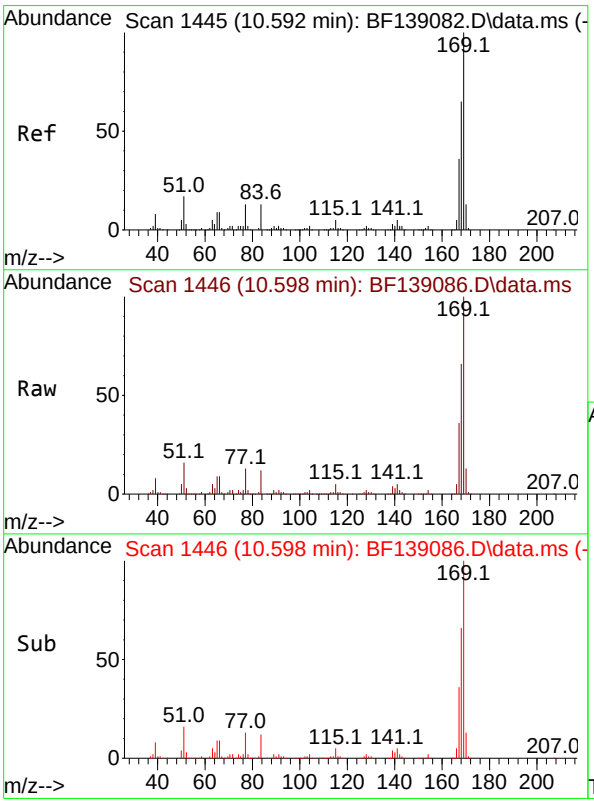
#65
4,6-Dinitro-2-methylphenol
Concen: 46.812 ng
RT: 10.527 min Scan# 14
Delta R.T. 0.005 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:198 Resp: 84045

Ion	Ratio	Lower	Upper
198	100		
51	53.6	40.8	80.8
105	46.6	30.9	70.9

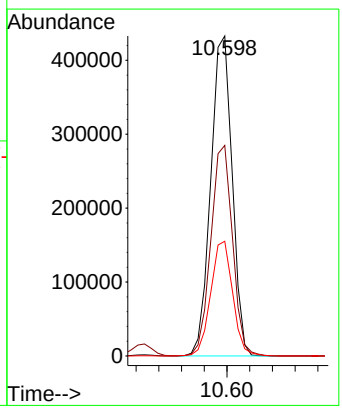


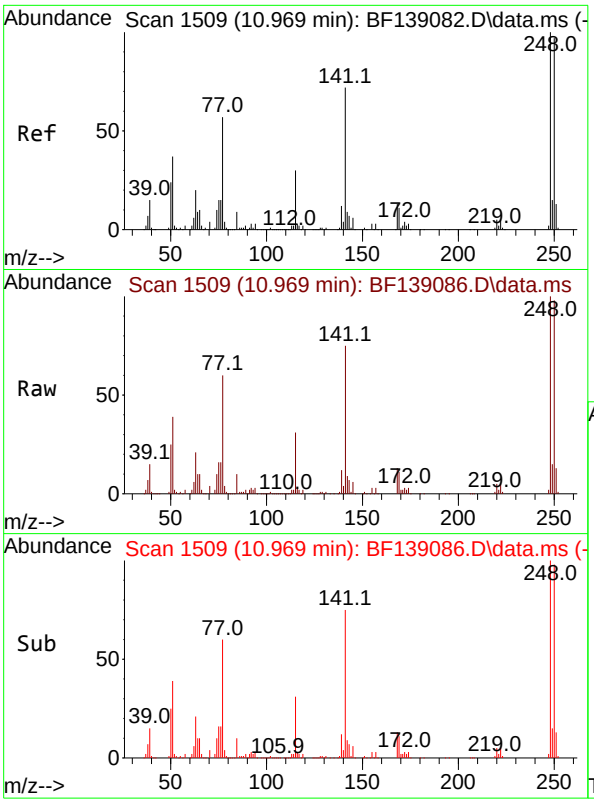


#66
n-Nitrosodiphenylamine
Concen: 38.023 ng
RT: 10.598 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:169 Resp: 567585

Ion	Ratio	Lower	Upper
169	100		
168	65.8	52.4	78.6
167	35.9	28.6	43.0



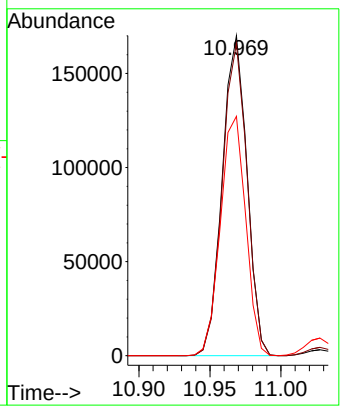


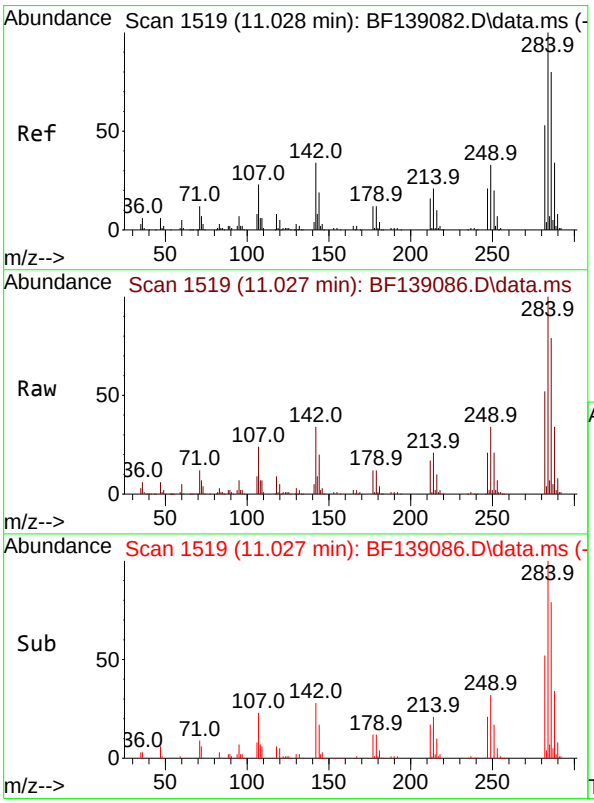
#67
4-Bromophenyl-phenylether
Concen: 38.582 ng
RT: 10.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:248 Resp: 206250

Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.8	116.8
141	74.8	57.9	86.9

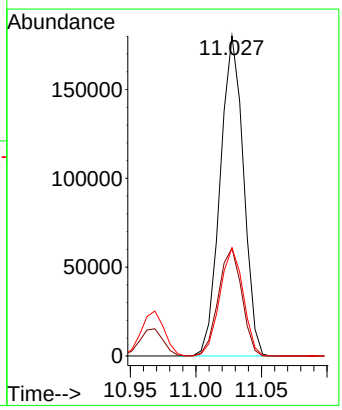


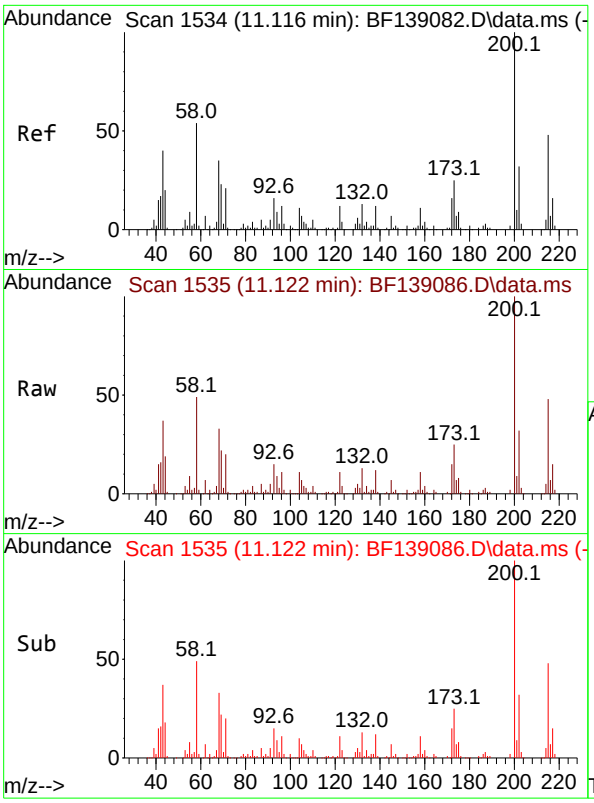


#68
Hexachlorobenzene
Concen: 38.778 ng
RT: 11.027 min Scan# 1519
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:284 Resp: 222397

Ion	Ratio	Lower	Upper
284	100		
142	33.7	27.1	40.7
249	33.8	26.8	40.2



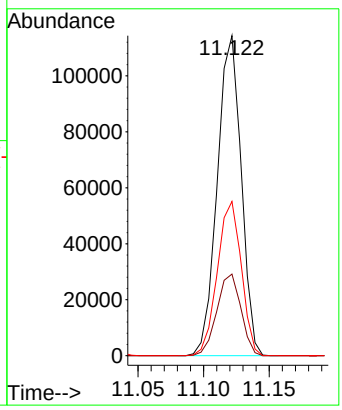


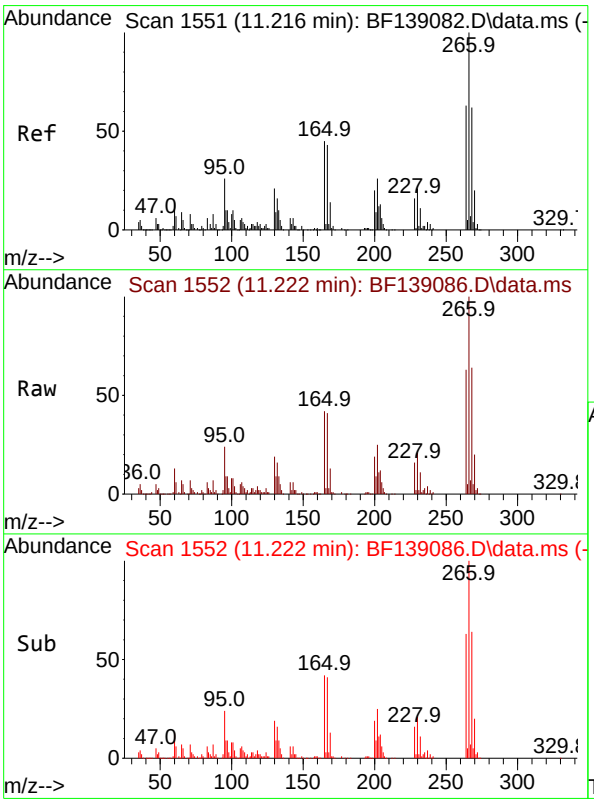
#69
Atrazine
Concen: 31.764 ng
RT: 11.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:200 Resp: 144810

Ion	Ratio	Lower	Upper
200	100		
173	25.5	5.2	45.2
215	48.2	27.9	67.9

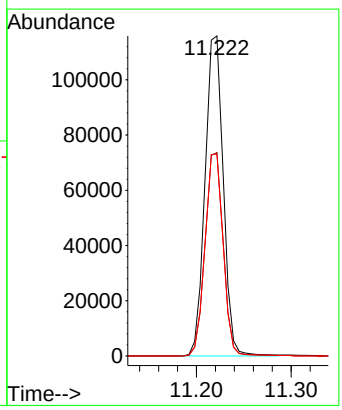


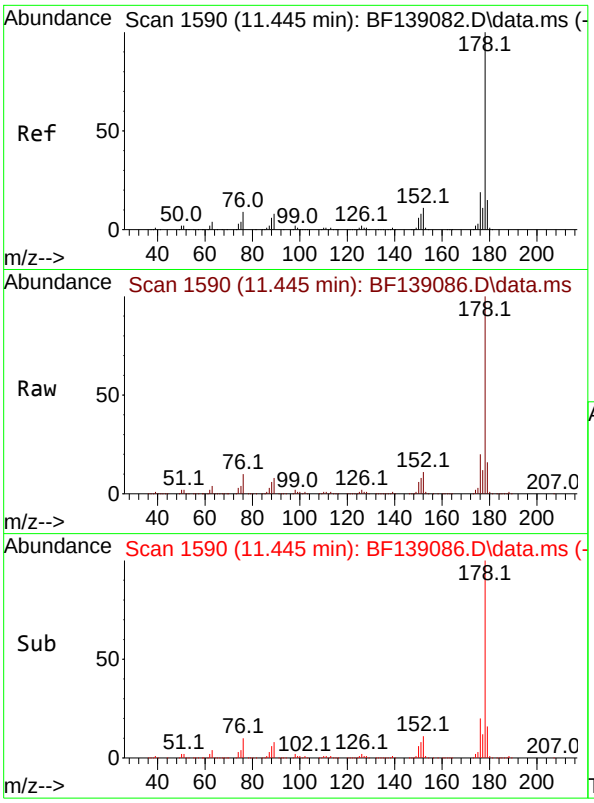


#70
Pentachlorophenol
Concen: 42.272 ng
RT: 11.222 min Scan# 1552
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:266 Resp: 154863

Ion	Ratio	Lower	Upper
266	100		
268	63.6	49.5	74.3
264	63.0	50.0	75.0



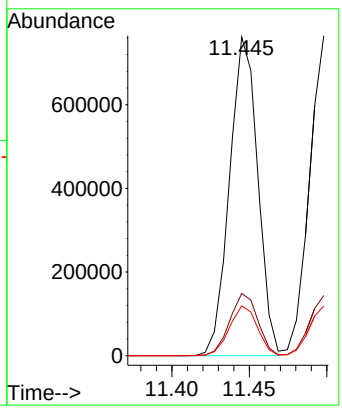


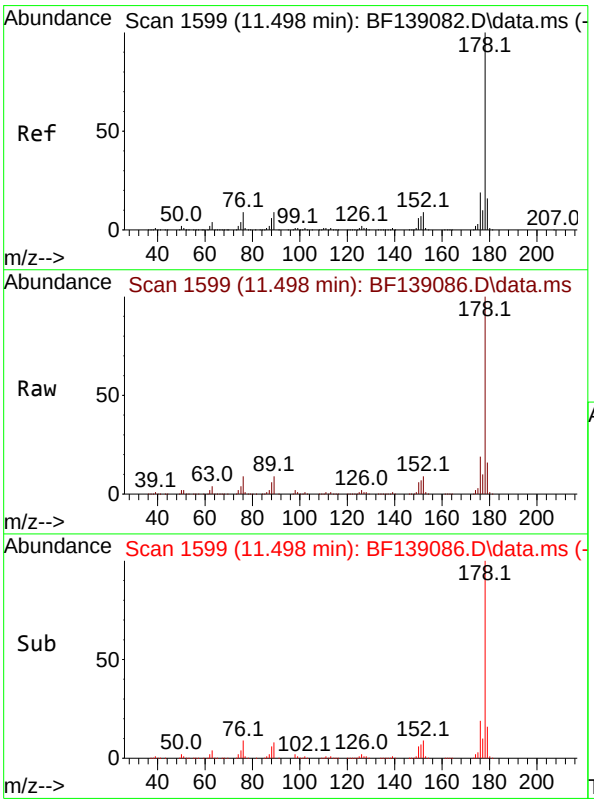
#71
Phenanthrene
Concen: 37.577 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:178 Resp: 963550

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.6	12.3	18.5

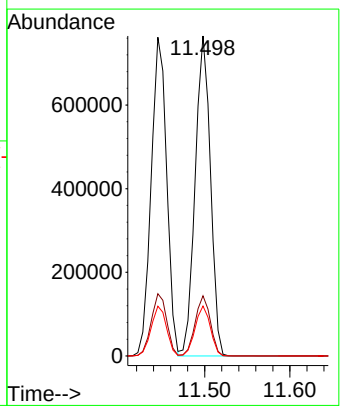


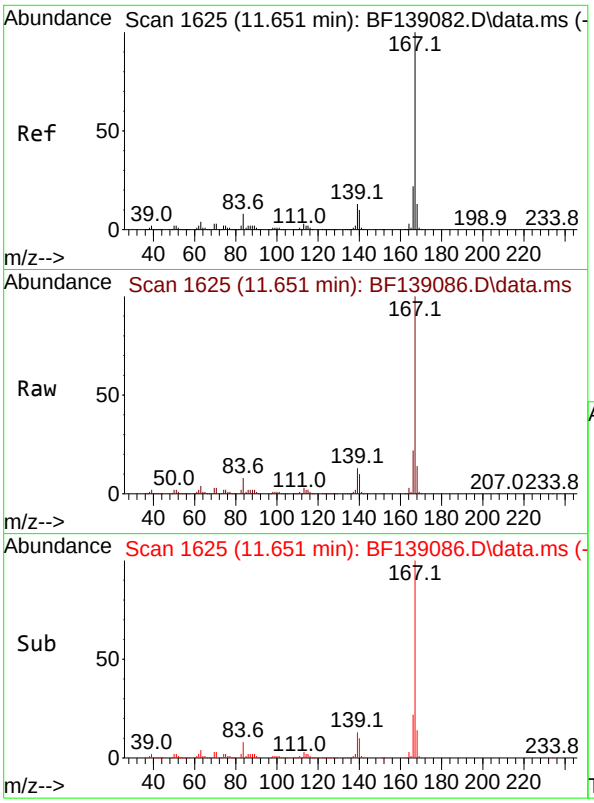


#72
Anthracene
Concen: 37.982 ng
RT: 11.498 min Scan# 1599
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:178 Resp: 952503

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.6	12.4	18.6



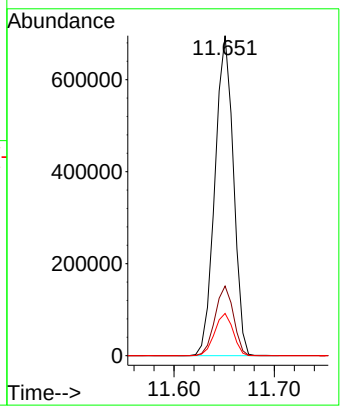


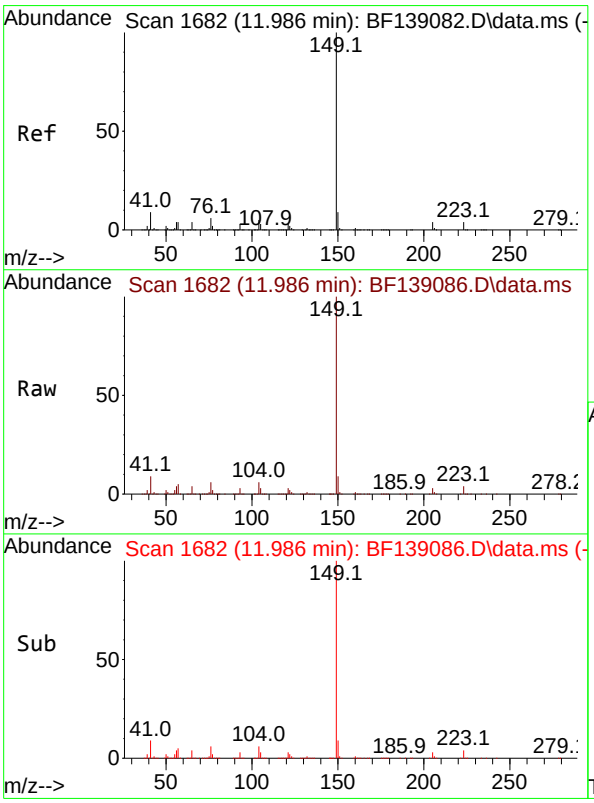
#73
Carbazole
Concen: 38.042 ng
RT: 11.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:167 Resp: 890833

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.3	25.9
139	13.2	10.5	15.7

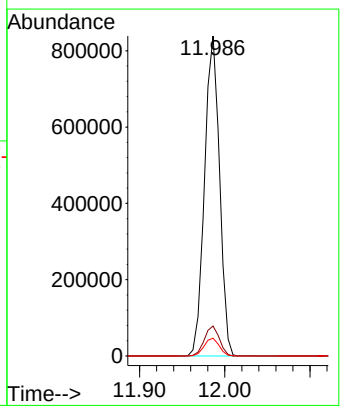


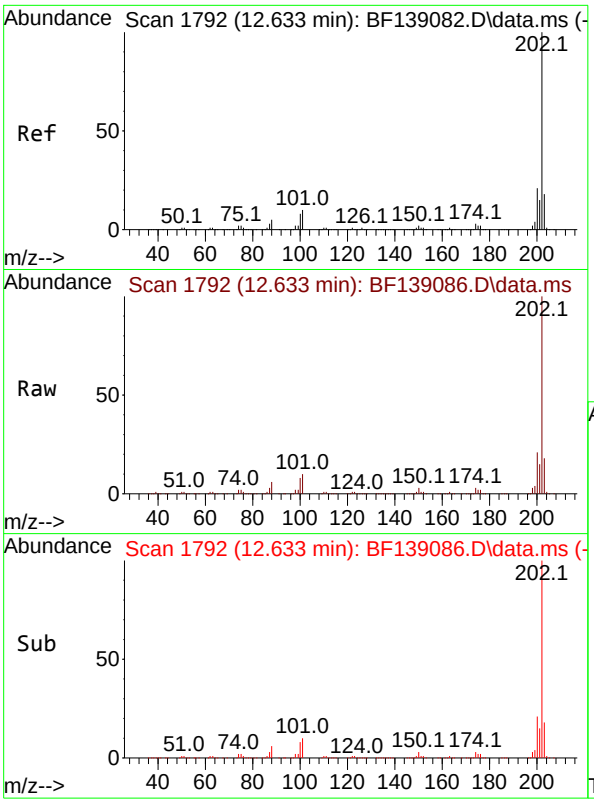


#74
Di-n-butylphthalate
Concen: 37.747 ng
RT: 11.986 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:149 Resp: 1024926

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.6	4.3	6.5



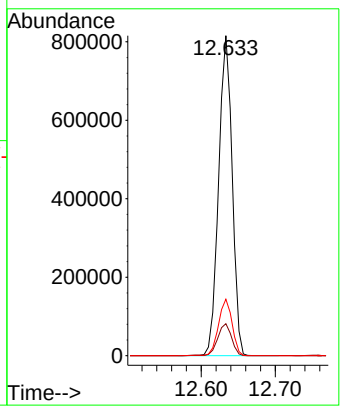


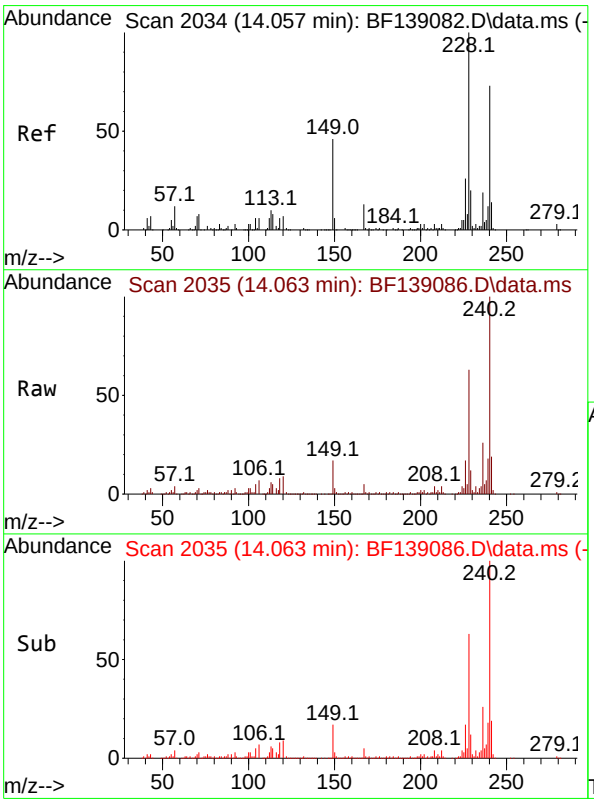
#75
Fluoranthene
Concen: 37.836 ng
RT: 12.633 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:202 Resp: 1035519

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.2
203	17.7	0.0	37.6

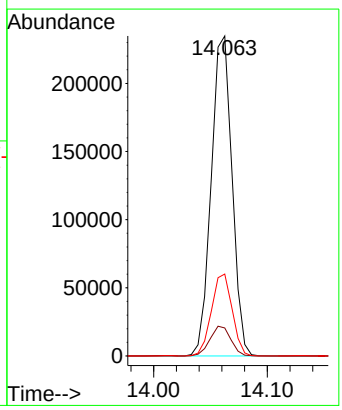


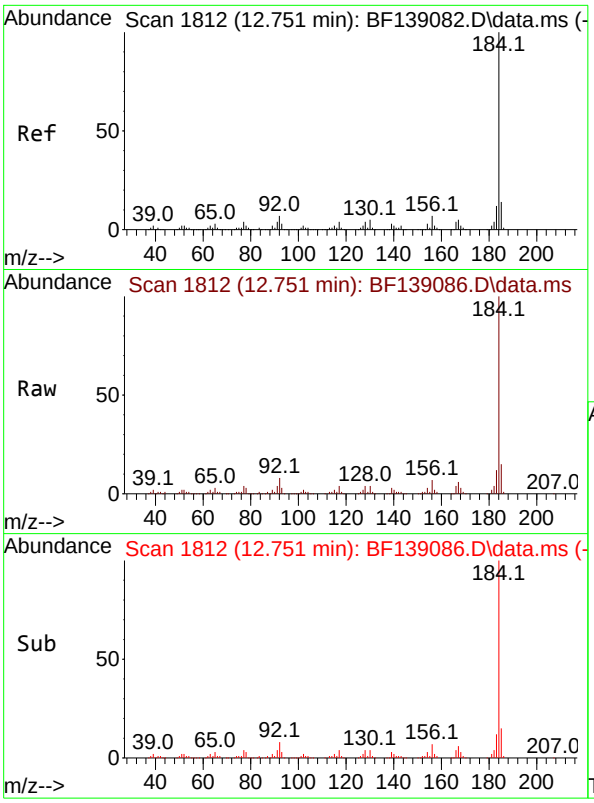


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:240 Resp: 299101

Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.8	11.6
236	25.6	20.9	31.3



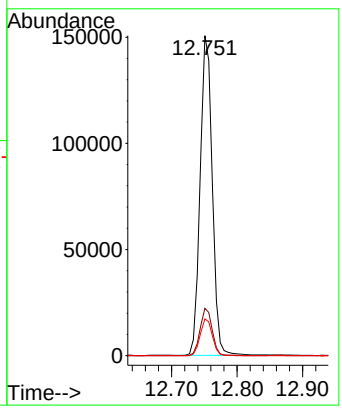


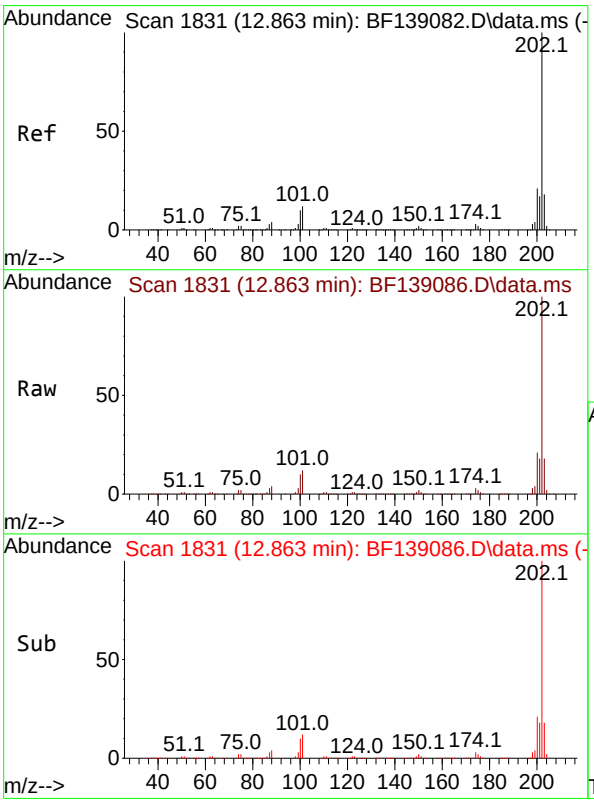
#77
Benzidine
Concen: 31.458 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:184 Resp: 194358

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.5	17.3
183	11.5	9.8	14.6

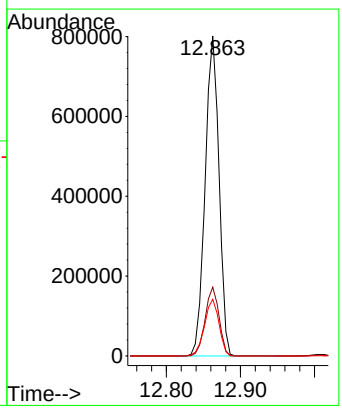


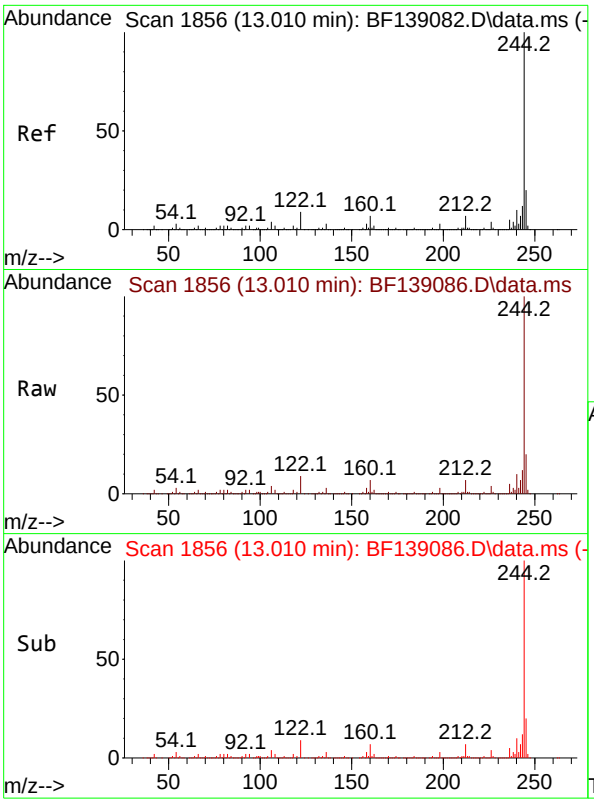


#78
Pyrene
Concen: 41.741 ng
RT: 12.863 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:202 Resp: 1041874

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	17.7	14.1	21.1



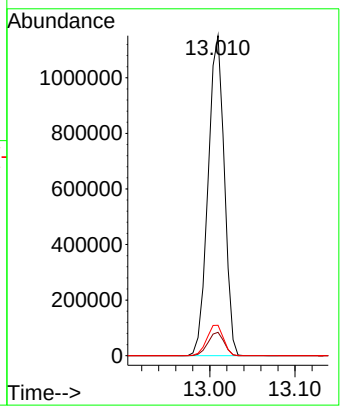


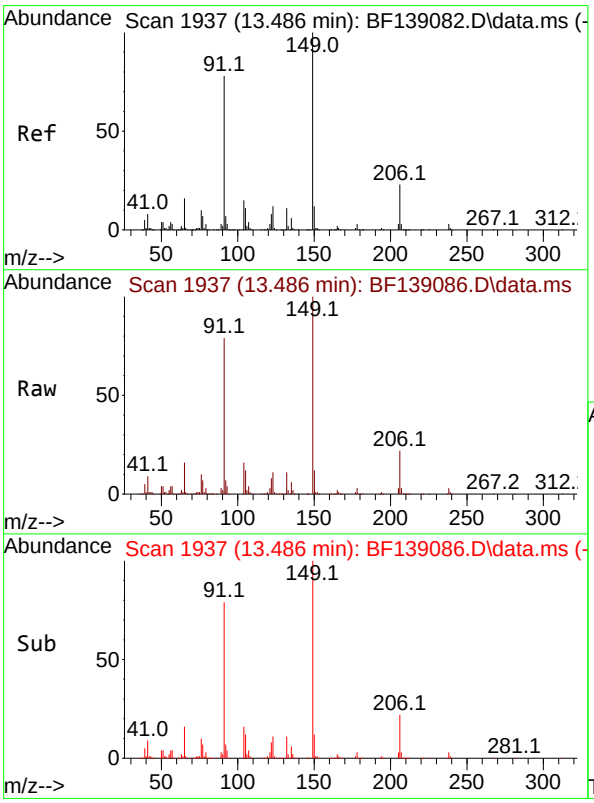
#79
Terphenyl-d14
Concen: 84.453 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:244 Resp: 1522325

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	9.5	7.6	11.4

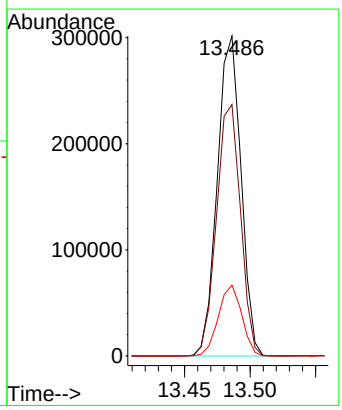


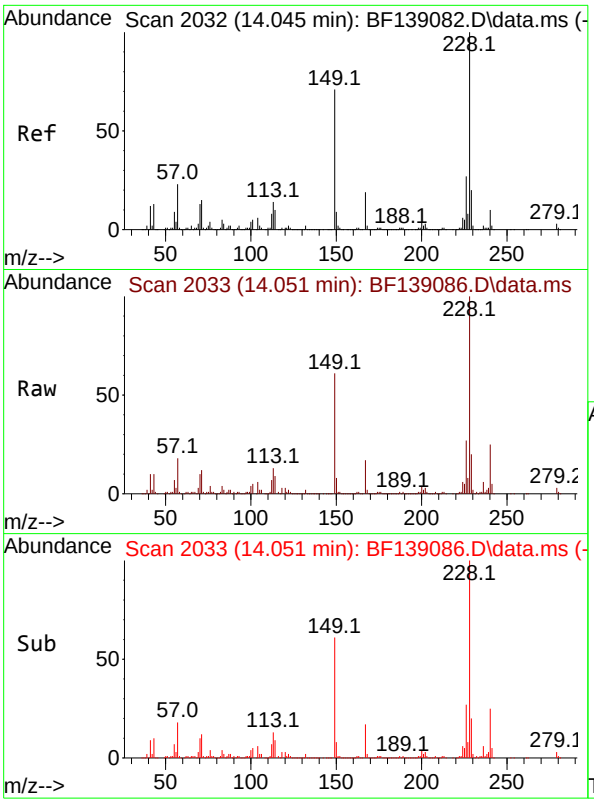


#80
Butylbenzylphthalate
Concen: 43.906 ng
RT: 13.486 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:149 Resp: 379143

Ion	Ratio	Lower	Upper
149	100		
91	78.5	62.1	93.1
206	22.2	18.0	27.0



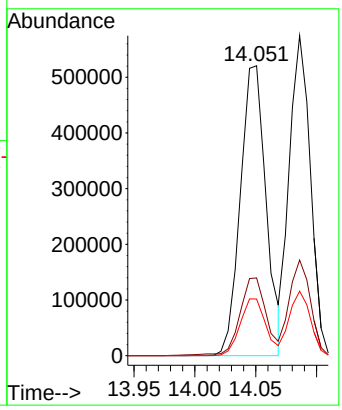


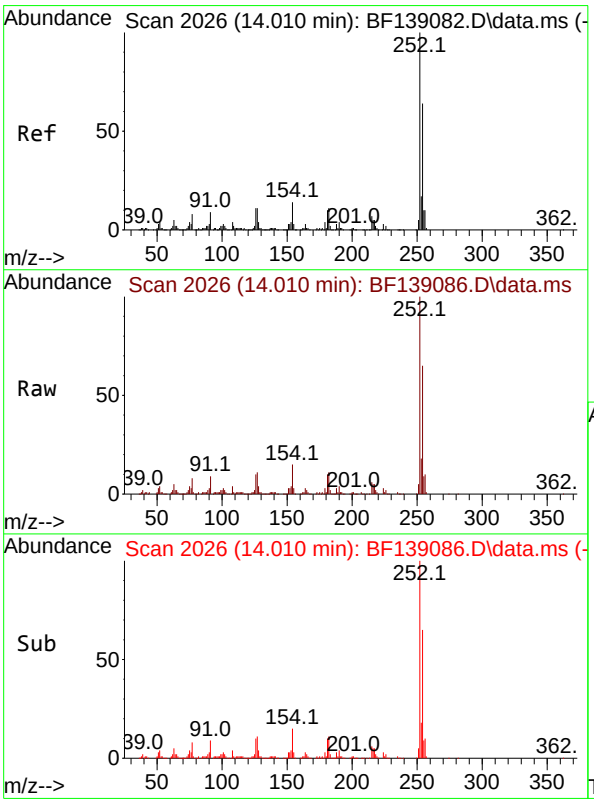
#81
Benzo(a)anthracene
Concen: 39.005 ng
RT: 14.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:228 Resp: 766898

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.9	32.9
229	19.6	16.1	24.1

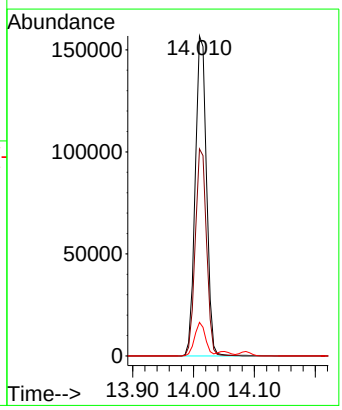


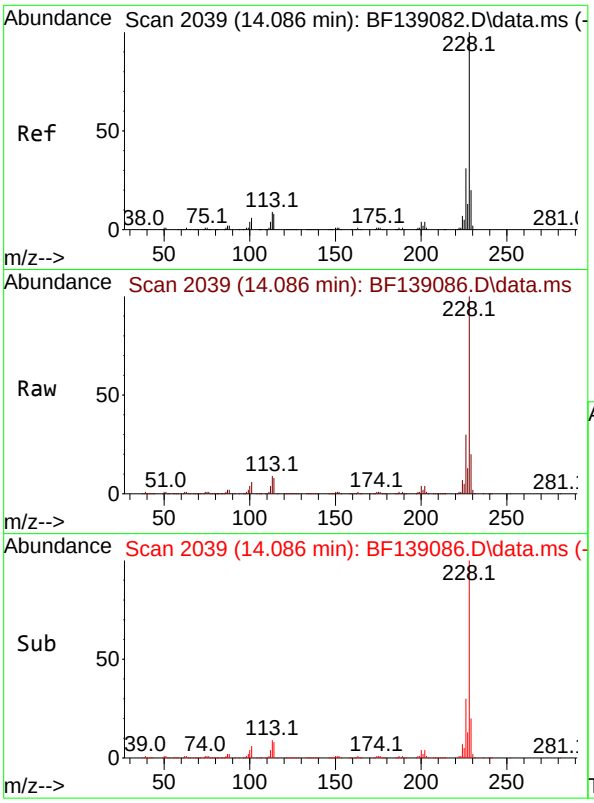


#82
3,3'-Dichlorobenzidine
Concen: 36.778 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:252 Resp: 202124

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.4	77.0
126	10.5	8.6	12.8



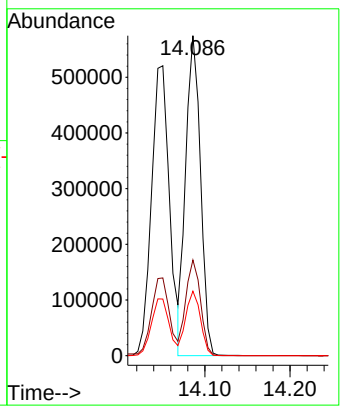


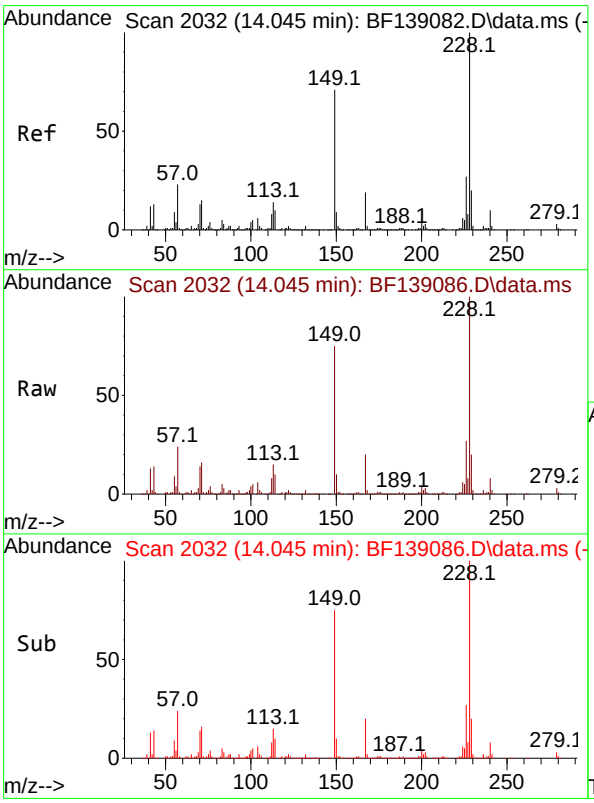
#83
Chrysene
Concen: 38.847 ng
RT: 14.086 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:228 Resp: 692316

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	20.2	15.8	23.8

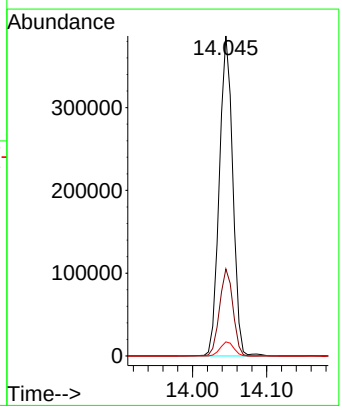


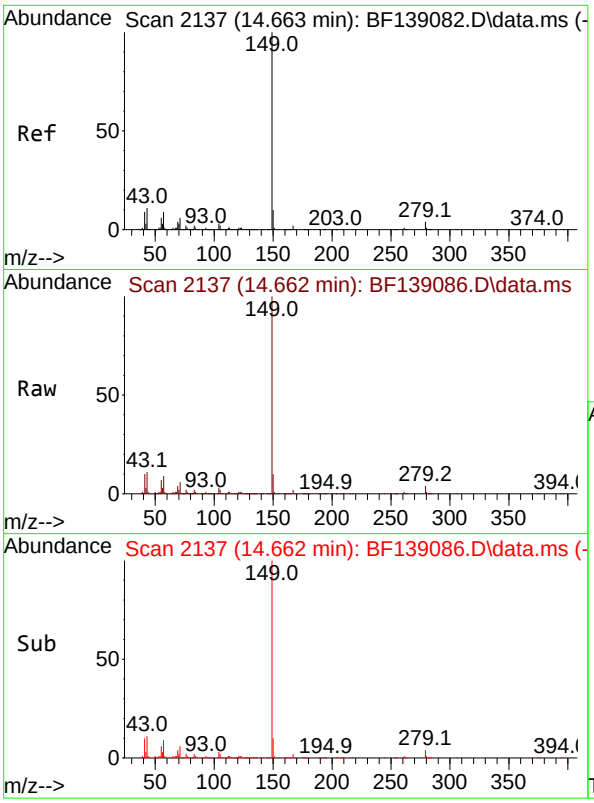


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.603 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:149 Resp: 487722

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.8	32.6
279	4.4	3.5	5.3



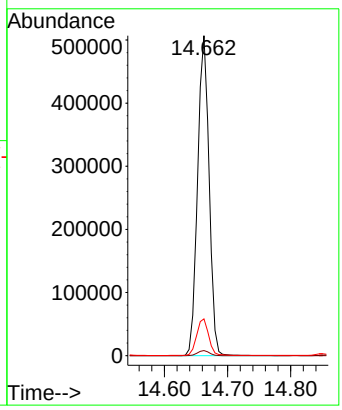


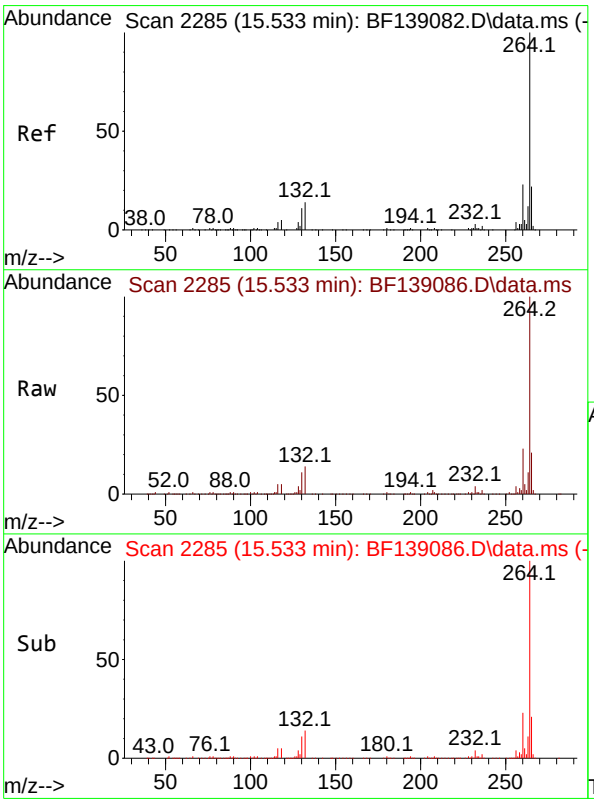
#85
Di-n-octyl phthalate
Concen: 39.891 ng
RT: 14.662 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:149 Resp: 640947

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.9	9.6	14.4

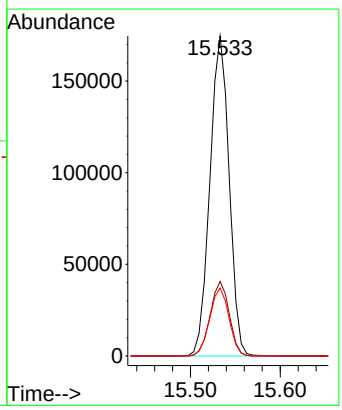


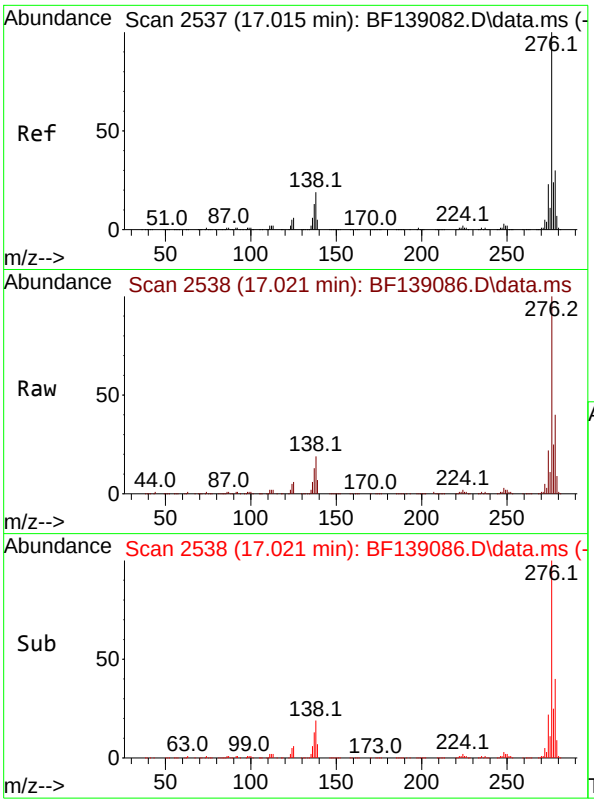


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:264 Resp: 259634

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.2	17.4	26.2



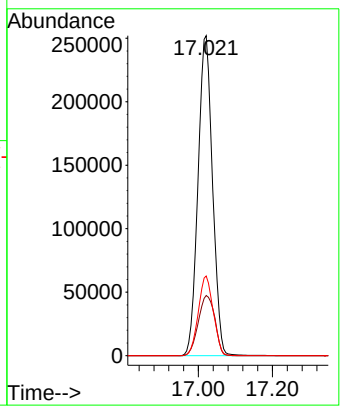


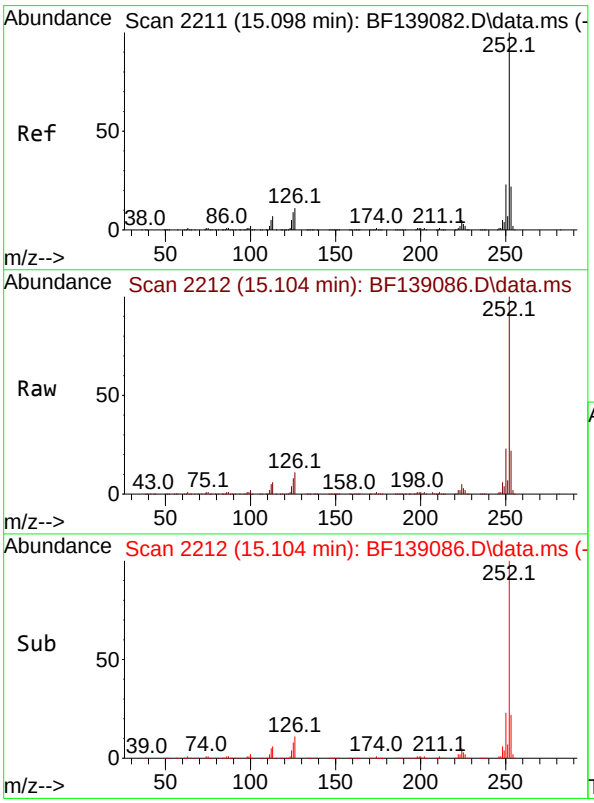
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.085 ng
RT: 17.021 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:276 Resp: 685085

Ion	Ratio	Lower	Upper
276	100		
138	21.4	17.3	25.9
277	25.6	20.2	30.4

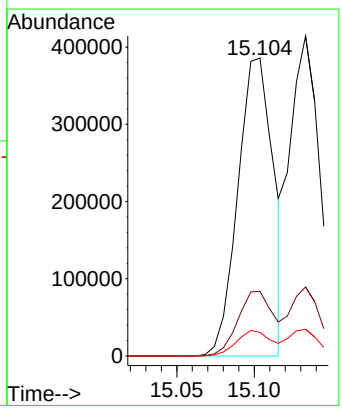


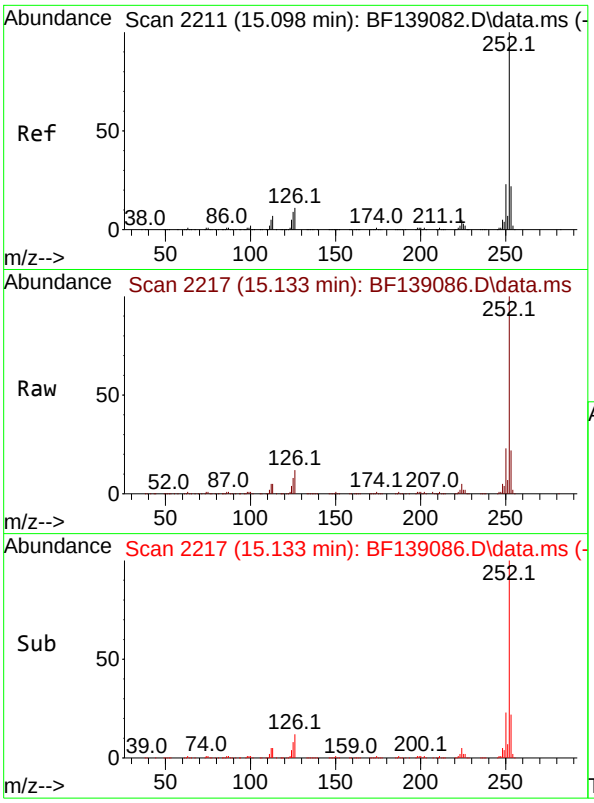


#88
Benzo(b)fluoranthene
Concen: 36.232 ng
RT: 15.104 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:252 Resp: 613282

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	8.0	7.0	10.6



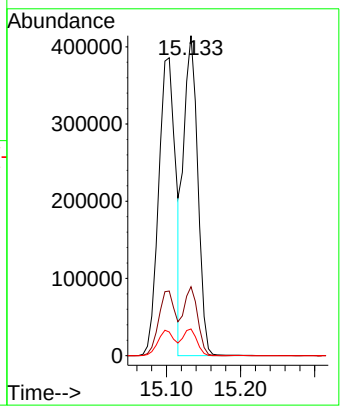


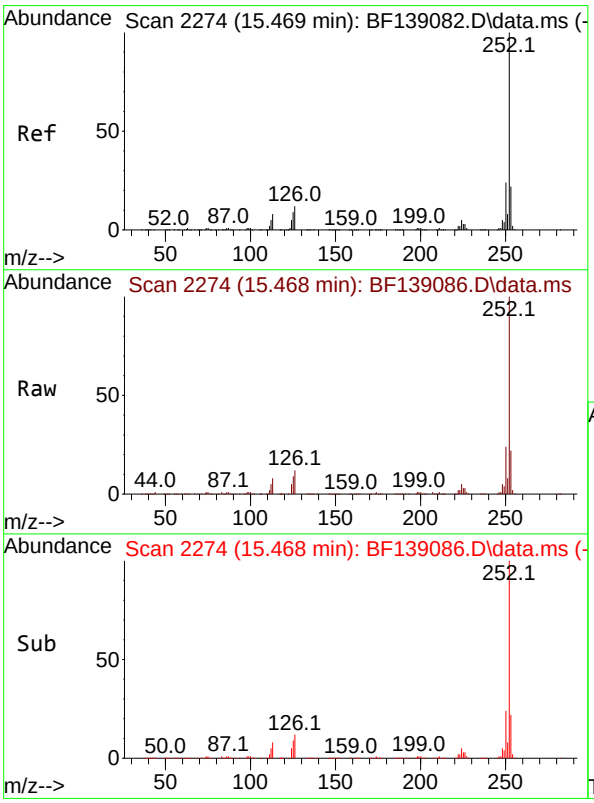
#89
Benzo(k)fluoranthene
Concen: 39.299 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:252 Resp: 554023

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	8.4	7.0	10.6

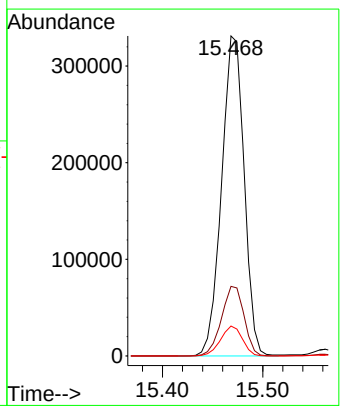


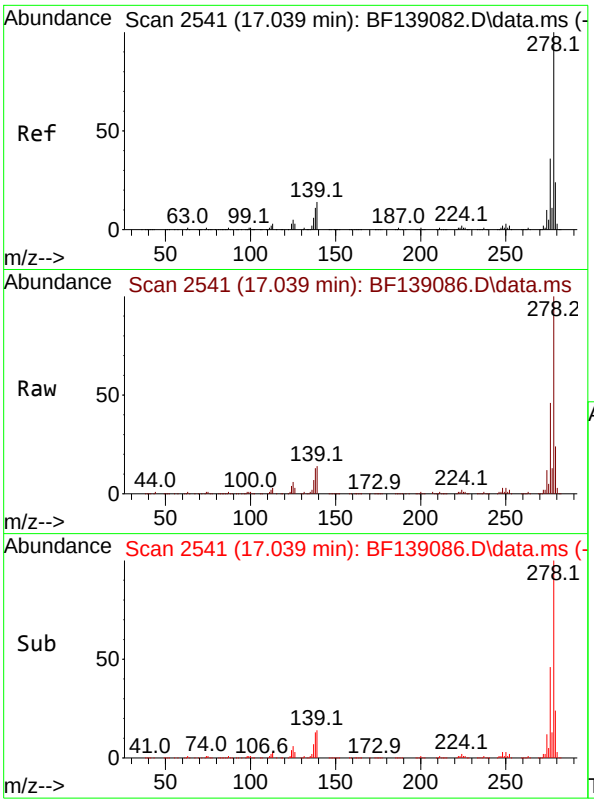


#90
Benzo(a)pyrene
Concen: 38.728 ng
RT: 15.468 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:252 Resp: 517983

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	9.3	7.4	11.2



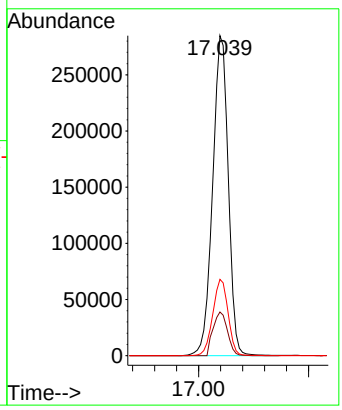


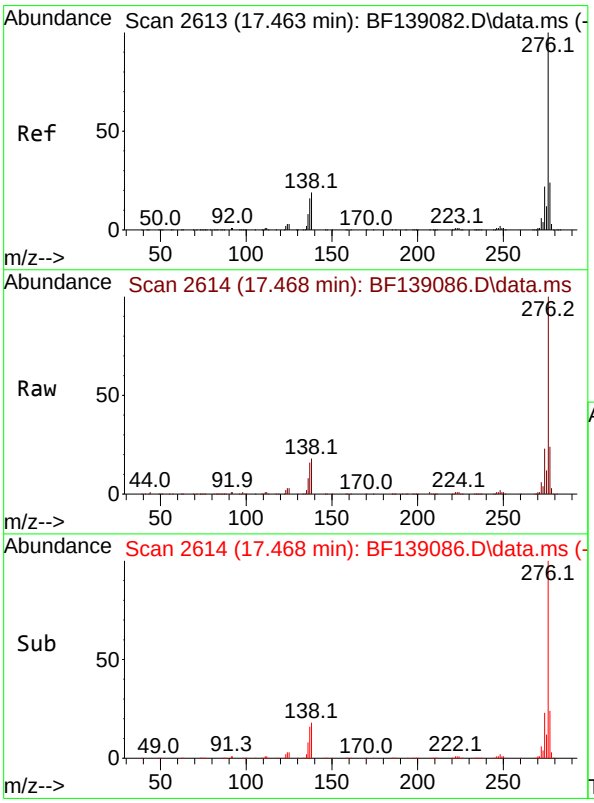
#91
Dibenzo(a,h)anthracene
Concen: 45.092 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:278 Resp: 562456

Ion	Ratio	Lower	Upper
278	100		
139	13.6	10.8	16.2
279	23.9	19.2	28.8

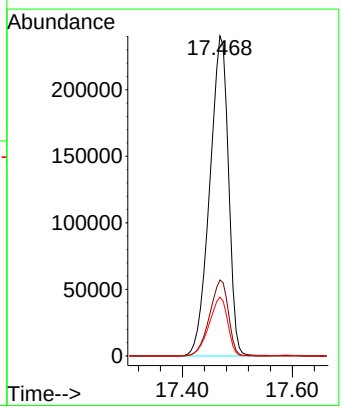




#92
Benzo(g,h,i)perylene
Concen: 40.393 ng
RT: 17.468 min Scan# 2614
Delta R.T. 0.005 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:276 Resp: 568943

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	18.4	15.0	22.4



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139086.D
Acq On : 20 Aug 2024 21:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Quant Time: Aug 21 01:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 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	113	0.00
2		1,4-Dioxane	0.558	0.552	1.1	113	0.00
3		Pyridine	1.417	1.404	0.9	116	0.00
4		n-Nitrosodimethylamine	0.856	0.805	6.0	115	0.01
5	S	2-Fluorophenol	1.300	1.257	3.3	116	0.00
6		Aniline	1.516	1.522	-0.4	114	0.00
7	S	Phenol-d6	1.680	1.644	2.1	115	0.00
8		2-Chlorophenol	1.250	1.229	1.7	116	0.00
9		Benzaldehyde	0.985	0.979	0.6	120	0.00
10	C	Phenol	1.748	1.724	1.4	114	0.00
11		bis(2-Chloroethyl)ether	1.406	1.278	9.1	114	0.00
12		1,3-Dichlorobenzene	1.503	1.461	2.8	115	0.00
13	C	1,4-Dichlorobenzene	1.503	1.476	1.8	116	0.00
14		1,2-Dichlorobenzene	1.374	1.358	1.2	114	0.00
15		Benzyl Alcohol	1.328	1.305	1.7	115	0.00
16		2,2'-oxybis(1-Chloropropane	1.980	1.877	5.2	115	0.00
17		2-Methylphenol	1.070	1.057	1.2	116	0.00
18		Hexachloroethane	0.527	0.521	1.1	116	0.00
19	P	n-Nitroso-di-n-propylamine	1.103	1.027	6.9	115	0.00
20		3+4-Methylphenols	1.386	1.349	2.7	113	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	115	0.00
22		Acetophenone	0.511	0.499	2.3	114	0.00
23	S	Nitrobenzene-d5	0.343	0.401	-16.9	128	0.00
24		Nitrobenzene	0.382	0.427	-11.8	124	0.00
25		Isophorone	0.730	0.725	0.7	117	0.00
26	C	2-Nitrophenol	0.110	0.146	-32.7#	142	0.00
27		2,4-Dimethylphenol	0.231	0.228	1.3	118	0.00
28		bis(2-Chloroethoxy)methane	0.426	0.412	3.3	116	0.00
29	C	2,4-Dichlorophenol	0.288	0.291	-1.0	117	0.00
30		1,2,4-Trichlorobenzene	0.337	0.330	2.1	115	0.00
31		Naphthalene	1.013	1.000	1.3	116	0.00
32		Benzoic acid	0.167	0.212	-26.9#	146	0.01
33		4-Chloroaniline	0.347	0.344	0.9	114	0.00
34	C	Hexachlorobutadiene	0.220	0.221	-0.5	118	0.00
35		Caprolactam	0.091	0.095	-4.4	118	0.00
36	C	4-Chloro-3-methylphenol	0.319	0.319	0.0	115	0.00
37		2-Methylnaphthalene	0.650	0.631	2.9	115	0.00
38		1-Methylnaphthalene	0.627	0.614	2.1	115	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	116	0.00
40		1,2,4,5-Tetrachlorobenzene	0.609	0.558	8.4	116	0.00
41	P	Hexachlorocyclopentadiene	0.210	0.213	-1.4	115	0.00
42	S	2,4,6-Tribromophenol	0.181	0.199	-9.9	121	0.00
43	C	2,4,6-Trichlorophenol	0.370	0.382	-3.2	125	0.00
44		2,4,5-Trichlorophenol	0.379	0.374	1.3	113	0.00
45	S	2-Fluorobiphenyl	1.261	1.200	4.8	115	0.00
46		1,1'-Biphenyl	1.370	1.367	0.2	115	0.00
47		2-Chloronaphthalene	1.113	1.077	3.2	115	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139086.D
Acq On : 20 Aug 2024 21:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Quant Time: Aug 21 01:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 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)
48		2-Nitroaniline	0.262	0.343	-30.9#	140	0.00
49		Acenaphthylene	1.595	1.576	1.2	115	0.00
50		Dimethylphthalate	1.235	1.222	1.1	115	0.00
51		2,6-Dinitrotoluene	0.206	0.268	-30.1#	132	0.00
52	C	Acenaphthene	1.053	1.034	1.8	117	0.00
53		3-Nitroaniline	0.213	0.268	-25.8#	129	0.00
54	P	2,4-Dinitrophenol	0.074	0.098	-32.4#	159#	0.00
55		Dibenzofuran	1.530	1.510	1.3	116	0.00
56	P	4-Nitrophenol	0.187	0.217	-16.0	130	0.00
57		2,4-Dinitrotoluene	0.250	0.339	-35.6#	136	0.00
58		Fluorene	1.223	1.187	2.9	115	0.00
59		2,3,4,6-Tetrachlorophenol	0.305	0.320	-4.9	119	0.00
60		Diethylphthalate	1.223	1.217	0.5	116	0.00
61		4-Chlorophenyl-phenylether	0.611	0.589	3.6	116	0.00
62		4-Nitroaniline	0.219	0.272	-24.2	129	0.00
63		Azobenzene	1.360	1.324	2.6	115	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	116	0.00
65		4,6-Dinitro-2-methylphenol	0.064	0.083	-29.7#	151#	0.00
66	c	n-Nitrosodiphenylamine	0.592	0.563	4.9	114	0.00
67		4-Bromophenyl-phenylether	0.212	0.204	3.8	115	0.00
68		Hexachlorobenzene	0.227	0.220	3.1	116	0.00
69		Atrazine	0.181	0.144	20.4	113	0.00
70	C	Pentachlorophenol	0.145	0.153	-5.5	119	0.00
71		Phenanthrene	1.017	0.955	6.1	114	0.00
72		Anthracene	0.994	0.944	5.0	115	0.00
73		Carbazole	0.928	0.883	4.8	115	0.00
74		Di-n-butylphthalate	1.076	1.016	5.6	116	0.00
75	C	Fluoranthene	1.085	1.026	5.4	113	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	108	0.00
77		Benzidine	0.413	0.325	21.3	69	0.00
78		Pyrene	1.669	1.742	-4.4	111	0.00
79	S	Terphenyl-d14	1.205	1.272	-5.6	113	0.00
80		Butylbenzylphthalate	0.577	0.634	-9.9	112	0.00
81		Benzo(a)anthracene	1.315	1.282	2.5	106	0.00
82		3,3'-Dichlorobenzidine	0.367	0.338	7.9	105	0.00
83		Chrysene	1.192	1.157	2.9	108	0.00
84		Bis(2-ethylhexyl)phthalate	0.765	0.815	-6.5	113	0.00
85	c	Di-n-octyl phthalate	1.074	1.071	0.3	112	0.00
86	I	Perylene-d12	1.000	1.000	0.0	120	0.00
87		Indeno(1,2,3-cd)pyrene	1.171	1.319	-12.6	122	0.00
88		Benzo(b)fluoranthene	1.304	1.181	9.4	113	0.00
89		Benzo(k)fluoranthene	1.086	1.067	1.7	119	0.00
90	C	Benzo(a)pyrene	1.030	0.998	3.1	118	0.00
91		Dibenzo(a,h)anthracene	0.961	1.083	-12.7	121	0.00
92		Benzo(g,h,i)perylene	0.969	1.096	-13.1	119	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139086.D
Acq On : 20 Aug 2024 21:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Quant Time: Aug 21 01:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 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)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139086.D
Acq On : 20 Aug 2024 21:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Quant Time: Aug 21 01:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 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	20.000	20.000	0.0	113	0.00
2		1,4-Dioxane	40.000	39.603	1.0	113	0.00
3		Pyridine	40.000	39.627	0.9	116	0.00
4		n-Nitrosodimethylamine	40.000	37.622	5.9	115	0.01
5	S	2-Fluorophenol	80.000	77.377	3.3	116	0.00
6		Aniline	40.000	40.159	-0.4	114	0.00
7	S	Phenol-d6	80.000	78.276	2.2	115	0.00
8		2-Chlorophenol	40.000	39.317	1.7	116	0.00
9		Benzaldehyde	40.000	39.738	0.7	120	0.00
10	C	Phenol	40.000	39.467	1.3	114	0.00
11		bis(2-Chloroethyl)ether	40.000	36.363	9.1	114	0.00
12		1,3-Dichlorobenzene	40.000	38.887	2.8	115	0.00
13	C	1,4-Dichlorobenzene	40.000	39.269	1.8	116	0.00
14		1,2-Dichlorobenzene	40.000	39.538	1.2	114	0.00
15		Benzyl Alcohol	40.000	39.320	1.7	115	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.916	5.2	115	0.00
17		2-Methylphenol	40.000	39.512	1.2	116	0.00
18		Hexachloroethane	40.000	39.525	1.2	116	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.225	6.9	115	0.00
20		3+4-Methylphenols	40.000	38.947	2.6	113	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	115	0.00
22		Acetophenone	40.000	39.114	2.2	114	0.00
23	S	Nitrobenzene-d5	80.000	93.532	-16.9	128	0.00
24		Nitrobenzene	40.000	44.775	-11.9	124	0.00
25		Isophorone	40.000	39.769	0.6	117	0.00
26	C	2-Nitrophenol	40.000	44.307	-10.8	142	0.00
27		2,4-Dimethylphenol	40.000	39.399	1.5	118	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.636	3.4	116	0.00
29	C	2,4-Dichlorophenol	40.000	40.406	-1.0	117	0.00
30		1,2,4-Trichlorobenzene	40.000	39.095	2.3	115	0.00
31		Naphthalene	40.000	39.482	1.3	116	0.00
32		Benzoic acid	40.000	44.659	-11.6	146	0.01
33		4-Chloroaniline	40.000	39.678	0.8	114	0.00
34	C	Hexachlorobutadiene	40.000	40.084	-0.2	118	0.00
35		Caprolactam	40.000	41.544	-3.9	118	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.003	-0.0	115	0.00
37		2-Methylnaphthalene	40.000	38.796	3.0	115	0.00
38		1-Methylnaphthalene	40.000	39.143	2.1	115	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	116	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.567	-1.4	116	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.411	-1.0	115	0.00
42	S	2,4,6-Tribromophenol	80.000	87.807	-9.8	121	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.317	-3.3	125	0.00
44		2,4,5-Trichlorophenol	40.000	39.434	1.4	113	0.00
45	S	2-Fluorobiphenyl	80.000	76.128	4.8	115	0.00
46		1,1'-Biphenyl	40.000	39.902	0.2	115	0.00
47		2-Chloronaphthalene	40.000	38.708	3.2	115	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139086.D
Acq On : 20 Aug 2024 21:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Quant Time: Aug 21 01:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 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)
48		2-Nitroaniline	40.000	43.634	-9.1	140	0.00
49		Acenaphthylene	40.000	39.533	1.2	115	0.00
50		Dimethylphthalate	40.000	39.598	1.0	115	0.00
51		2,6-Dinitrotoluene	40.000	43.760	-9.4	132	0.00
52	C	Acenaphthene	40.000	39.258	1.9	117	0.00
53		3-Nitroaniline	40.000	43.178	-7.9	129	0.00
54	P	2,4-Dinitrophenol	40.000	48.138	-20.3	159	0.00
55		Dibenzofuran	40.000	39.486	1.3	116	0.00
56	P	4-Nitrophenol	40.000	46.609	-16.5	130	0.00
57		2,4-Dinitrotoluene	40.000	44.204	-10.5	136	0.00
58		Fluorene	40.000	38.823	2.9	115	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.094	-5.2	119	0.00
60		Diethylphthalate	40.000	39.783	0.5	116	0.00
61		4-Chlorophenyl-phenylether	40.000	38.579	3.6	116	0.00
62		4-Nitroaniline	40.000	43.331	-8.3	129	0.00
63		Azobenzene	40.000	38.960	2.6	115	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	116	0.00
65		4,6-Dinitro-2-methylphenol	40.000	46.812	-17.0	151	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.023	4.9	114	0.00
67		4-Bromophenyl-phenylether	40.000	38.582	3.5	115	0.00
68		Hexachlorobenzene	40.000	38.778	3.1	116	0.00
69		Atrazine	40.000	31.764	20.6	113	0.00
70	C	Pentachlorophenol	40.000	42.272	-5.7	119	0.00
71		Phenanthrene	40.000	37.577	6.1	114	0.00
72		Anthracene	40.000	37.982	5.0	115	0.00
73		Carbazole	40.000	38.042	4.9	115	0.00
74		Di-n-butylphthalate	40.000	37.747	5.6	116	0.00
75	C	Fluoranthene	40.000	37.836	5.4	113	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	108	0.00
77		Benzidine	40.000	31.458	21.4	69	0.00
78		Pyrene	40.000	41.741	-4.4	111	0.00
79	S	Terphenyl-d14	80.000	84.453	-5.6	113	0.00
80		Butylbenzylphthalate	40.000	43.906	-9.8	112	0.00
81		Benzo(a)anthracene	40.000	39.005	2.5	106	0.00
82		3,3'-Dichlorobenzidine	40.000	36.778	8.1	105	0.00
83		Chrysene	40.000	38.847	2.9	108	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.603	-6.5	113	0.00
85	c	Di-n-octyl phthalate	40.000	39.891	0.3	112	0.00
86	I	Perylene-d12	20.000	20.000	0.0	120	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	45.085	-12.7	122	0.00
88		Benzo(b)fluoranthene	40.000	36.232	9.4	113	0.00
89		Benzo(k)fluoranthene	40.000	39.299	1.8	119	0.00
90	C	Benzo(a)pyrene	40.000	38.728	3.2	118	0.00
91		Dibenzo(a,h)anthracene	40.000	45.092	-12.7	121	0.00
92		Benzo(g,h,i)perylene	40.000	40.393	-1.0	119	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139086.D
Acq On : 20 Aug 2024 21:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Quant Time: Aug 21 01:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 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)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM081024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sun Aug 11 23:47:58 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BM047140.D 5 =BM047141.D 10 =BM047142.D 20 =BM047143.D 40 =BM047144.D 50 =BM047145.D 60 =BM047146.D 80 =BM0471
47.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.519	0.490	0.495	0.438	0.436	0.442	0.426	0.464	7.88
3)		Pyridine		1.448	1.390	1.458	1.302	1.299	1.322	1.301	1.360	5.22
4)		n-Nitrosodimet...		0.643	0.612	0.629	0.570	0.564	0.583	0.558	0.594	5.71
5)	S	2-Fluorophenol		1.215	1.184	1.197	1.071	1.050	1.071	1.046	1.119	6.73
6)		Aniline		1.546	1.516	1.583	1.428	1.401	1.395	1.334	1.458	6.27
7)	S	Phenol-d6		1.643	1.599	1.652	1.478	1.470	1.494	1.462	1.542	5.52
8)		2-Chlorophenol		1.306	1.271	1.324	1.185	1.167	1.166	1.127	1.221	6.38
9)		Benzaldehyde		1.187	1.048	1.024	0.776	0.750	0.641		0.904	23.43
10)	C	Phenol		1.695	1.600	1.645	1.453	1.450	1.477	1.453	1.539	6.80
11)		bis(2-Chloroet...		1.431	1.361	1.407	1.283	1.267	1.266	1.211	1.318	6.24
12)		1,3-Dichlorobe...		1.567	1.506	1.537	1.408	1.394	1.393	1.350	1.451	5.81
13)	C	1,4-Dichlorobe...		1.581	1.532	1.562	1.429	1.405	1.412	1.360	1.469	5.95
14)		1,2-Dichlorobe...		1.526	1.468	1.514	1.314	1.308	1.309	1.261	1.386	8.10
15)		Benzyl Alcohol		1.083	1.074	1.189	1.098	1.076	1.101	1.063	1.098	3.88
16)		2,2'-oxybis(1-...		1.904	1.777	1.859	1.659	1.616	1.547	1.477	1.691	9.48
17)		2-Methylphenol		1.064	1.055	1.115	1.003	0.998	0.993	0.959	1.027	5.20
18)		Hexachloroethane		0.609	0.577	0.600	0.551	0.553	0.560	0.533	0.569	4.84
19)	P	n-Nitroso-di-n...	1.087	1.169	1.095	1.138	0.982	0.965	0.959	0.916	1.039	9.12
20)		3+4-Methylphenols		1.462	1.442	1.570	1.411	1.405	1.405	1.352	1.435	4.77
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.547	0.517	0.510	0.462	0.450	0.452	0.441	0.483	8.55
23)	S	Nitrobenzene-d5		0.423	0.417	0.420	0.390	0.378	0.382	0.372	0.397	5.53
24)		Nitrobenzene		0.425	0.427	0.428	0.393	0.380	0.378	0.369	0.400	6.44
25)		Isophorone		0.712	0.706	0.732	0.688	0.668	0.679	0.656	0.692	3.84
26)	C	2-Nitrophenol		0.156	0.166	0.180	0.182	0.182	0.189	0.185	0.177	6.56
27)		2,4-Dimethylph...		0.200	0.209	0.217	0.209	0.206	0.209	0.204	0.207	2.64
28)		bis(2-Chloroet...		0.461	0.461	0.458	0.435	0.421	0.414	0.396	0.435	5.97
29)	C	2,4-Dichloroph...		0.289	0.300	0.318	0.312	0.310	0.317	0.308	0.308	3.28
30)		1,2,4-Trichlor...		0.357	0.352	0.359	0.346	0.340	0.347	0.337	0.348	2.34
31)		Naphthalene		1.075	1.041	1.042	0.966	0.949	0.964	0.938	0.996	5.48
32)		Benzoic acid		0.182	0.212	0.240	0.251	0.262	0.273	0.268	0.241	13.75
33)		4-Chloroaniline		0.382	0.393	0.409	0.385	0.374	0.375	0.364	0.383	3.81
34)	C	Hexachlorobuta...		0.199	0.200	0.207	0.203	0.203	0.211	0.206	0.204	2.03
35)		Caprolactam		0.098	0.103	0.112	0.109	0.107	0.110	0.109	0.107	4.45
36)	C	4-Chloro-3-met...		0.320	0.324	0.347	0.328	0.323	0.330	0.324	0.328	2.73
37)		2-Methylnaphth...		0.741	0.731	0.742	0.689	0.681	0.698	0.685	0.709	3.85
38)		1-Methylnaphth...		0.737	0.726	0.735	0.681	0.668	0.690	0.671	0.701	4.34

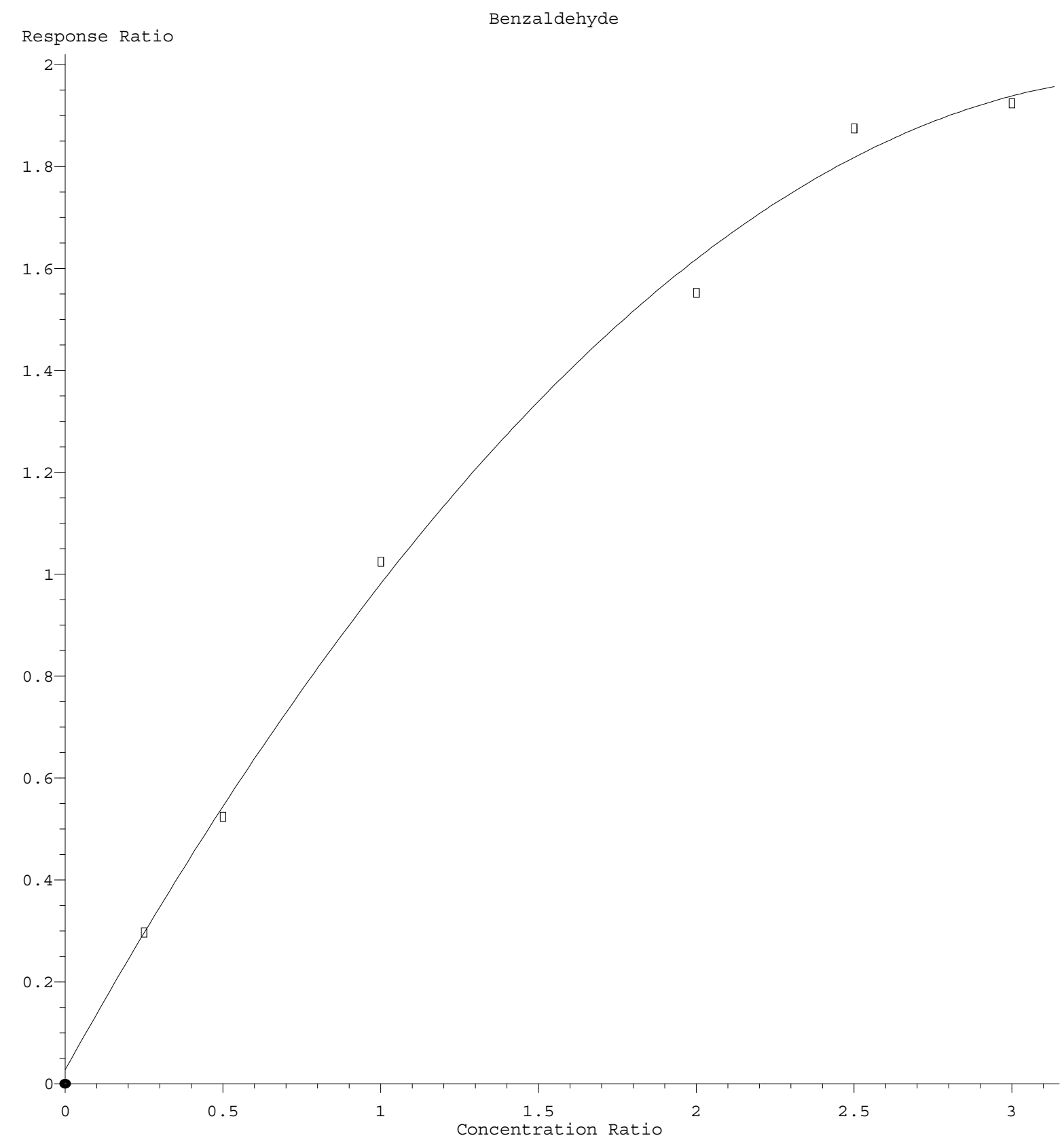
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM081024.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.539	0.531	0.554	0.543	0.546	0.559	0.546	0.546	1.70
41)	P	Hexachlorocycl...	0.160	0.180	0.191	0.200	0.199	0.209	0.195	0.190	8.53
42)	S	2,4,6-Tribromo...	0.222	0.233	0.248	0.232	0.228	0.234	0.226	0.232	3.60
43)	C	2,4,6-Trichlor...	0.355	0.372	0.394	0.399	0.394	0.404	0.396	0.388	4.52
44)		2,4,5-Trichlor...	0.410	0.410	0.438	0.437	0.436	0.447	0.435	0.430	3.37
45)	S	2-Fluorobiphenyl	1.406	1.341	1.336	1.265	1.247	1.261	1.220	1.297	5.09
46)		1,1'-Biphenyl	1.538	1.482	1.479	1.388	1.361	1.387	1.332	1.424	5.32
47)		2-Chloronaphth...	1.197	1.169	1.176	1.071	1.060	1.074	1.043	1.113	5.84
48)		2-Nitroaniline	0.323	0.346	0.367	0.357	0.352	0.354	0.343	0.349	3.94
49)		Acenaphthylene	1.719	1.699	1.732	1.602	1.575	1.602	1.554	1.640	4.50
50)		Dimethylphthalate	1.472	1.433	1.468	1.379	1.343	1.365	1.318	1.397	4.38
51)		2,6-Dinitrotol...	0.311	0.325	0.337	0.328	0.326	0.335	0.323	0.327	2.62
52)	C	Acenaphthene	1.115	1.079	1.086	1.008	0.991	1.017	0.988	1.041	4.94
53)		3-Nitroaniline	0.310	0.317	0.344	0.331	0.328	0.337	0.325	0.327	3.53
54)	P	2,4-Dinitrophenol		0.152	0.185	0.204	0.204	0.218	0.212	0.196	12.27
55)		Dibenzofuran	1.790	1.731	1.728	1.579	1.559	1.584	1.535	1.644	6.22
56)	P	4-Nitrophenol	0.247	0.268	0.293	0.293	0.291	0.296	0.287	0.282	6.42
57)		2,4-Dinitrotol...	0.400	0.435	0.460	0.441	0.440	0.445	0.430	0.436	4.19
58)		Fluorene	1.469	1.428	1.426	1.309	1.290	1.306	1.265	1.356	6.03
59)		2,3,4,6-Tetrac...	0.333	0.345	0.369	0.355	0.354	0.366	0.355	0.354	3.44
60)		Diethylphthalate	1.505	1.486	1.506	1.398	1.365	1.388	1.337	1.426	4.95
61)		4-Chlorophenyl...	0.681	0.663	0.663	0.621	0.619	0.645	0.627	0.646	3.76
62)		4-Nitroaniline	0.300	0.324	0.346	0.319	0.317	0.329	0.321	0.322	4.24
63)		Azobenzene	1.455	1.445	1.457	1.314	1.280	1.285	1.232	1.352	7.14
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.092	0.107	0.120	0.125	0.126	0.128	0.122	0.117	11.31
66)	c	n-Nitrosodiphe...	0.570	0.561	0.573	0.536	0.526	0.532	0.515	0.545	4.22
67)		4-Bromophenyl-...	0.190	0.190	0.198	0.191	0.191	0.198	0.191	0.193	1.90
68)		Hexachlorobenzene	0.236	0.234	0.240	0.229	0.226	0.229	0.221	0.231	2.73
69)		Atrazine	0.183	0.186	0.182	0.170	0.152	0.145	0.129	0.164	13.50
70)	C	Pentachlorophenol	0.141	0.152	0.165	0.168	0.166	0.174	0.166	0.162	6.91
71)		Phenanthrene	1.090	1.035	1.036	0.976	0.967	0.974	0.949	1.004	5.05
72)		Anthracene	1.024	1.000	1.026	0.953	0.946	0.961	0.926	0.977	4.10
73)		Carbazole	1.071	1.041	1.052	0.971	0.954	0.959	0.933	0.997	5.55
74)		Di-n-butylphth...	1.175	1.187	1.223	1.165	1.134	1.140	1.098	1.160	3.50
75)	C	Fluoranthene	1.294	1.239	1.255	1.199	1.179	1.207	1.172	1.221	3.62
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.226	0.190	0.373	0.489	0.370	0.389	0.337	0.339	29.96
78)		Pyrene	1.456	1.398	1.443	1.425	1.414	1.446	1.414	1.428	1.46
79)	S	Terphenyl-d14	0.924	0.916	0.958	0.937	0.928	0.948	0.922	0.933	1.62
80)		Butylbenzylpht...	0.511	0.552	0.600	0.608	0.599	0.616	0.595	0.583	6.48
81)		Benzo(a)anthra...	1.390	1.331	1.364	1.300	1.291	1.324	1.293	1.328	2.85
82)		3,3'-Dichlorob...	0.373	0.390	0.439	0.443	0.427	0.426	0.409	0.415	6.23
83)		Chrysene	1.350	1.283	1.301	1.224	1.214	1.234	1.211	1.260	4.21
84)		Bis(2-ethylhex...	0.771	0.808	0.867	0.845	0.832	0.846	0.816	0.826	3.81
85)	c	Di-n-octyl pht...	1.212	1.316	1.430	1.457	1.450	1.503	1.466	1.405	7.33

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM081024.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.326	1.280	1.366	1.279	1.278	1.227	1.294	1.293	3.38
88)		Benzo(b)fluora...	1.182	1.200	1.222	1.161	1.179	1.207	1.164	1.188	1.91
89)		Benzo(k)fluora...	1.192	1.134	1.175	1.097	1.059	1.116	1.080	1.122	4.35
90)	C	Benzo(a)pyrene	1.014	1.015	1.066	1.024	1.012	1.046	1.025	1.029	1.93
91)		Dibenzo(a,h)an...	1.096	1.051	1.119	1.021	1.021	0.986	1.029	1.046	4.44
92)		Benzo(g,h,i)pe...	1.119	1.082	1.162	1.076	1.082	1.005	1.077	1.086	4.41

(#) = Out of Range



R = -1.583e-001 A*A + 1.112e+000 A + 2.780e-002
Coef of Det (r^2) = 0.995802 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM081024.M
Calibration Table Last Updated: Sun Aug 11 23:47:58 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047140.D
Acq On : 10 Aug 2024 13:12
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 11 23:30:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.375	152	233543	20.000	ng	0.00
21) Naphthalene-d8	10.128	136	912085	20.000	ng	0.00
39) Acenaphthene-d10	14.034	164	589187	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1231431	20.000	ng	0.00
76) Chrysene-d12	21.027	240	1169603	20.000	ng	0.00
86) Perylene-d12	23.727	264	1431343	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.181	70	31744	2.617	ng	# 98

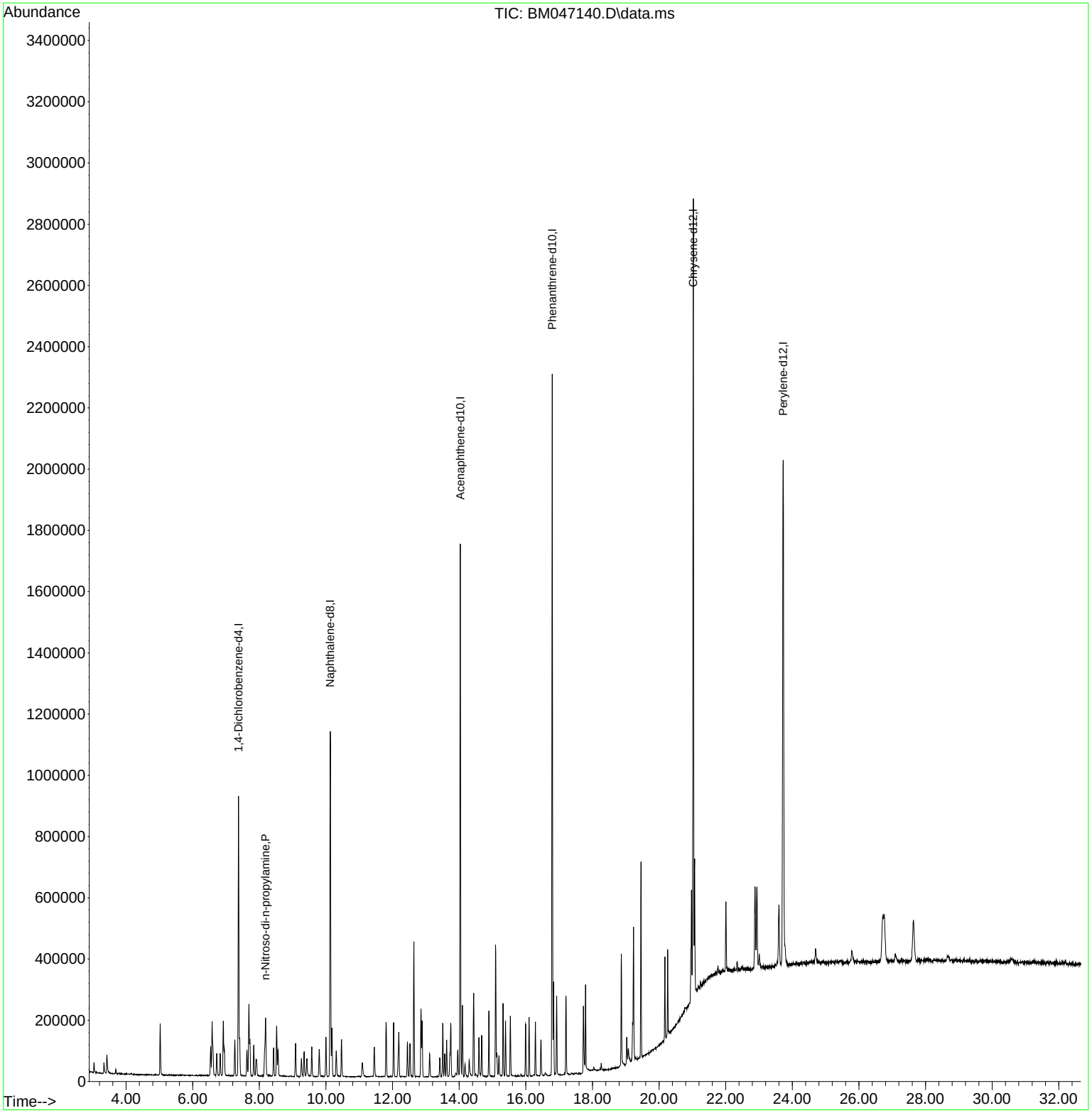
(#) = qualifier out of range (m) = manual integration (+) = signals summed

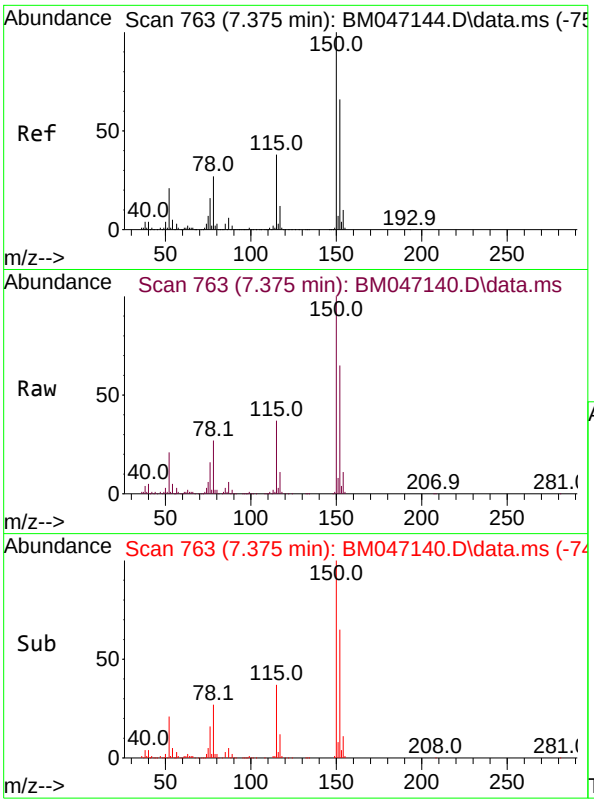
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047140.D
Acq On : 10 Aug 2024 13:12
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 11 23:30:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration



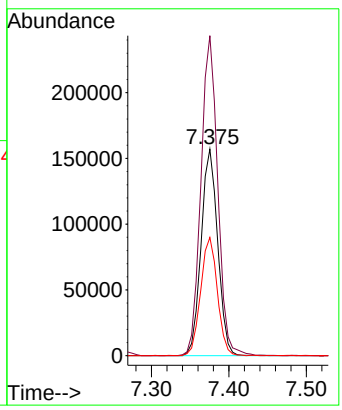


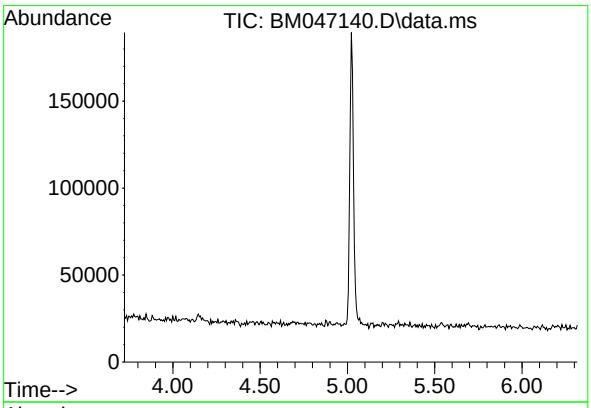
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 233543

Ion	Ratio	Lower	Upper
152	100		
150	154.9	120.5	180.7
115	57.3	45.5	68.3



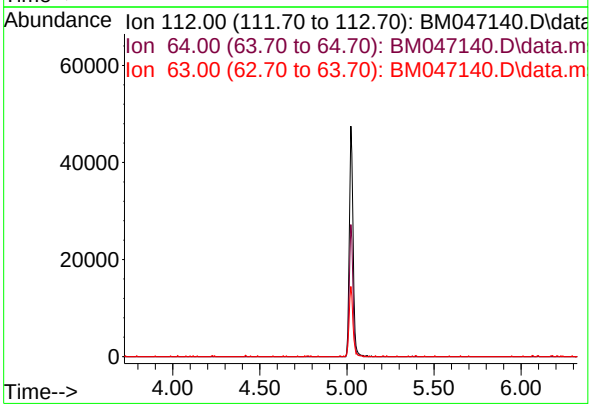


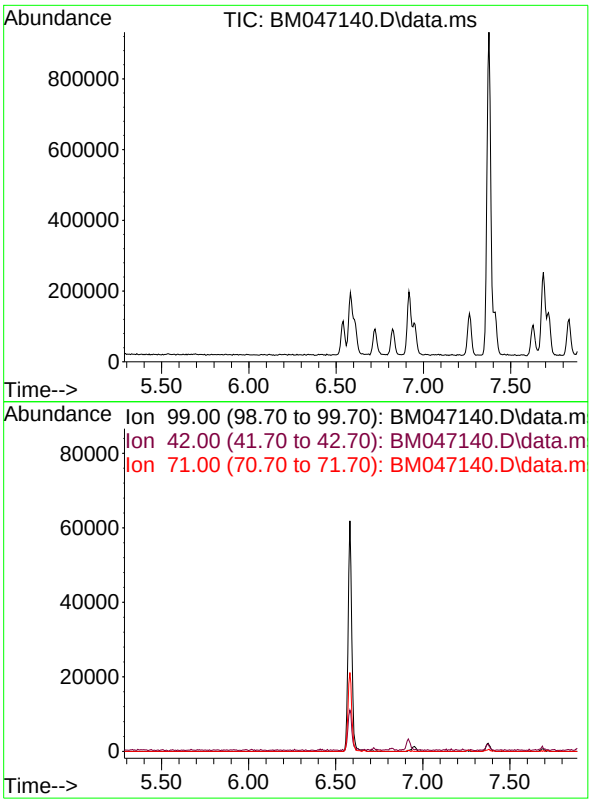
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.02 min

Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	58.4
63	31.0





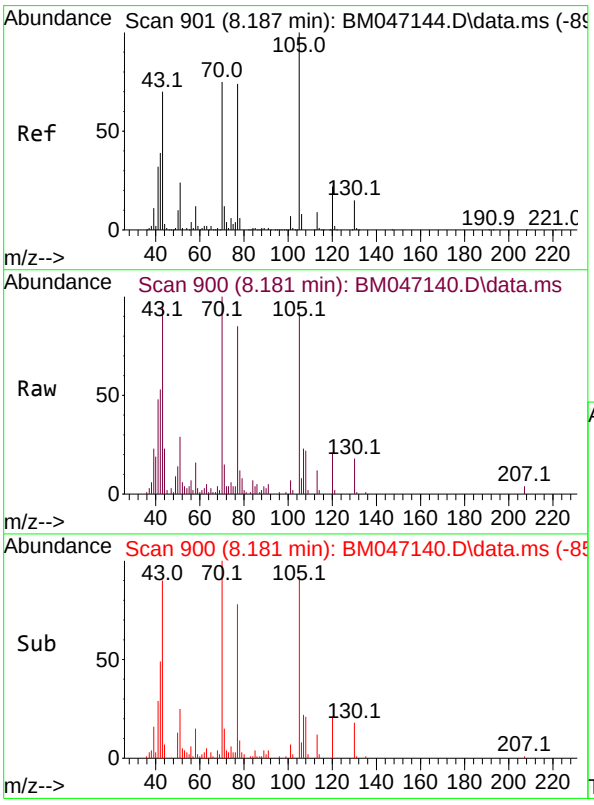
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.59 min

Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

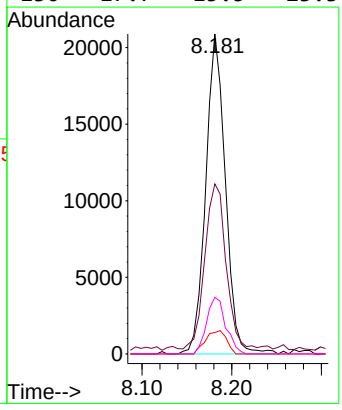
Sig	Exp Ratio
99	100
42	17.6
71	35.6

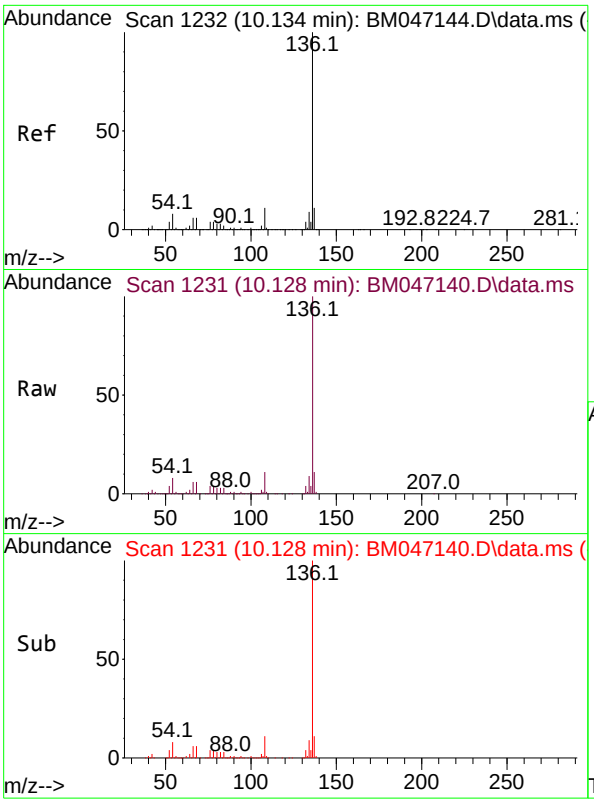


#19
n-Nitroso-di-n-propylamine
Concen: 2.617 ng
RT: 8.181 min Scan# 900
Delta R.T. -0.006 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Tgt Ion: 70 Resp: 31744

Ion	Ratio	Lower	Upper
70	100		
42	53.2	42.0	63.0
101	6.7	7.2	10.8#
130	17.7	15.5	23.3



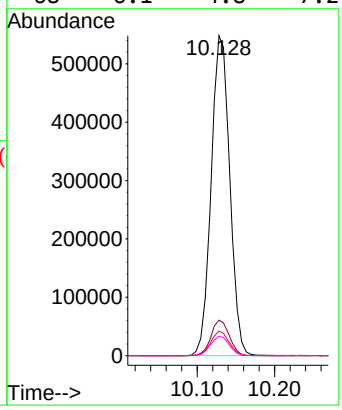


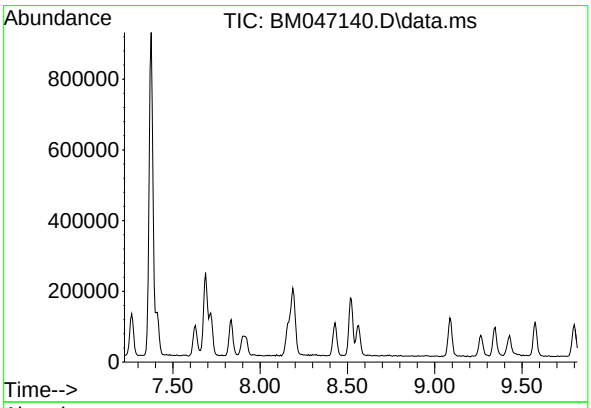
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 912085

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.7	6.0	9.0
68	6.1	4.8	7.2



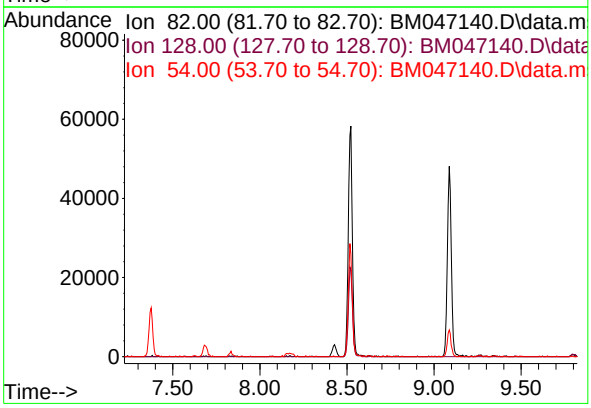


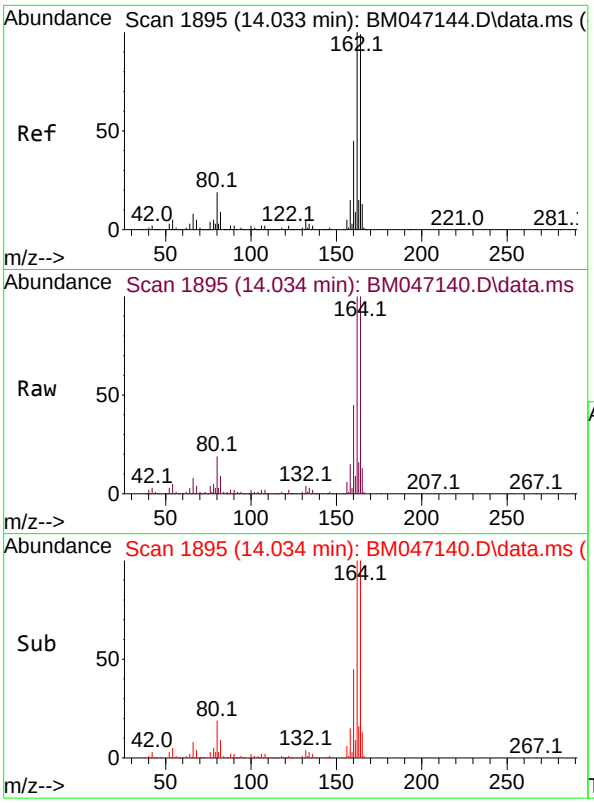
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.52 min

Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	40.4
54	46.8



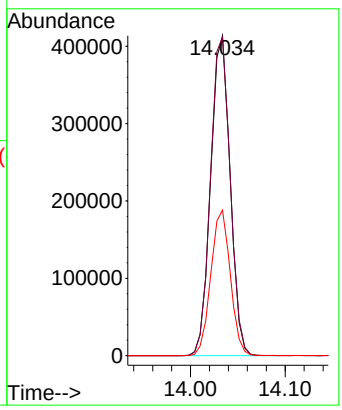


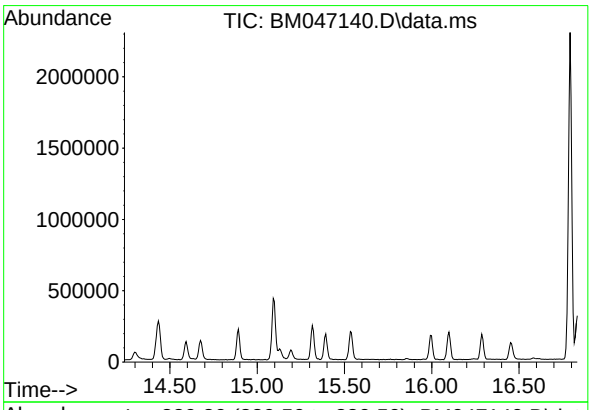
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.034 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 589187

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.7	121.1
160	45.5	36.0	54.0



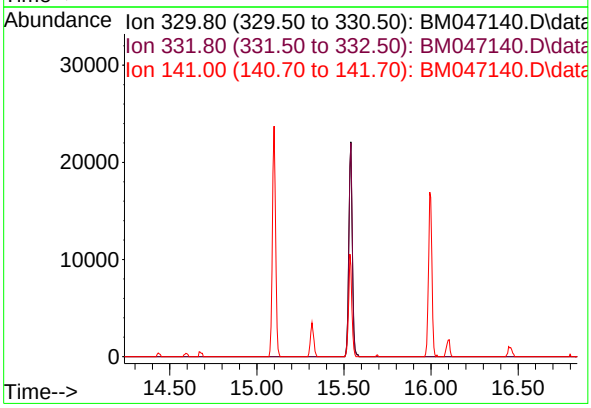


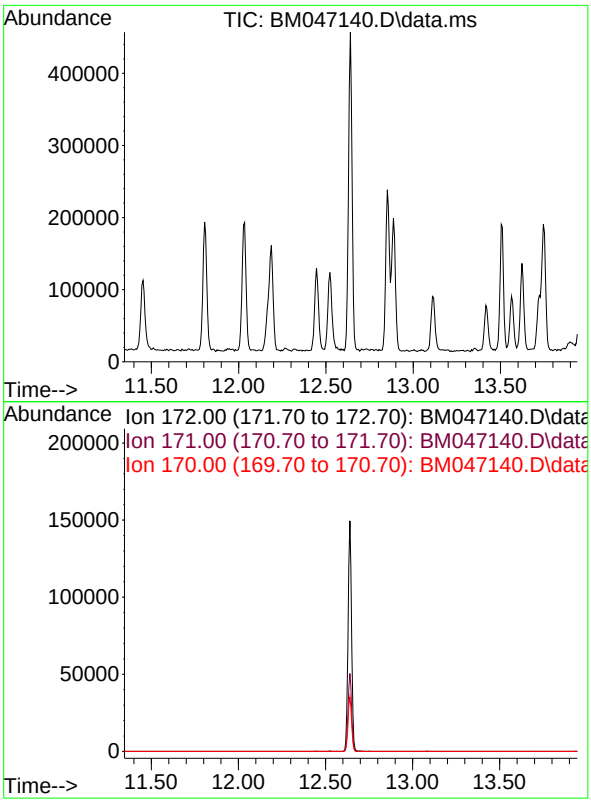
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.54 min

Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.8
141	39.5





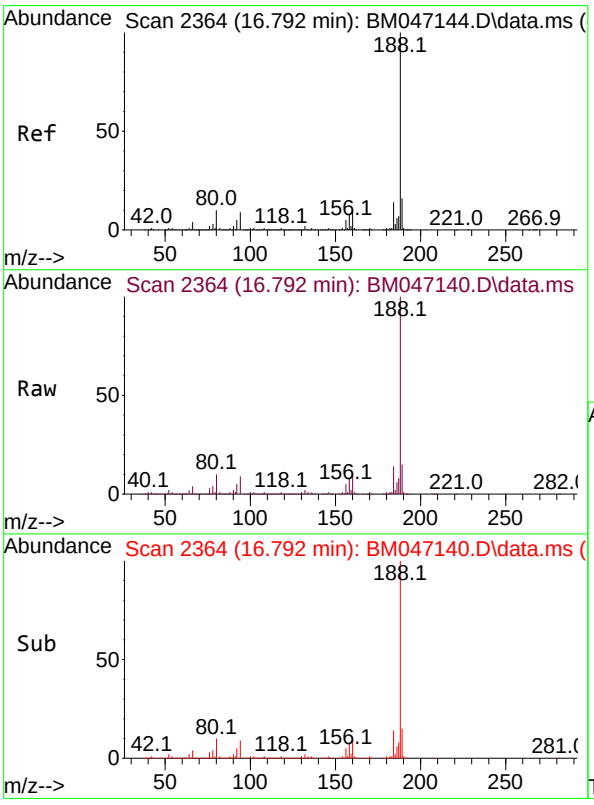
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 12.65 min

Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

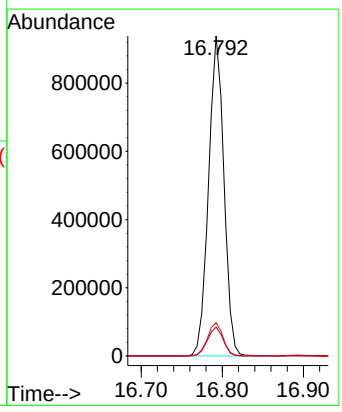
Sig	Exp Ratio
172	100
171	34.7
170	23.4

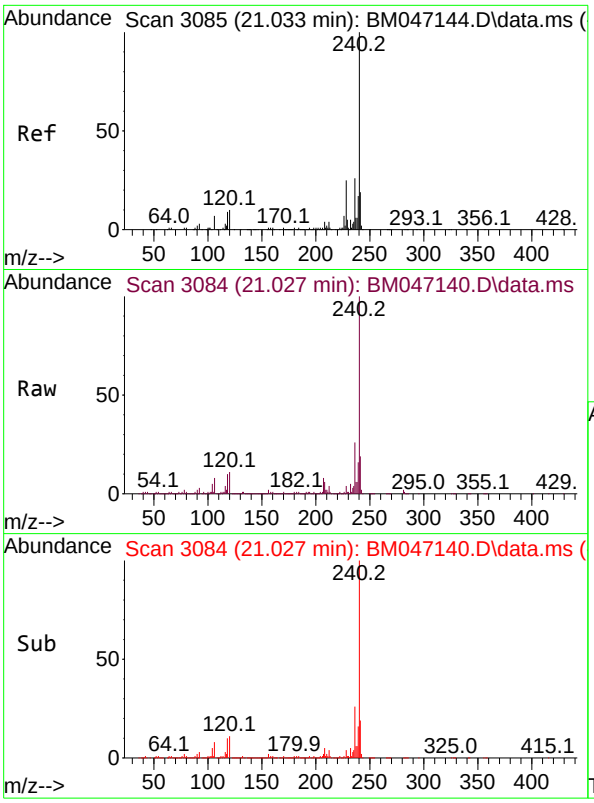


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Tgt Ion:188 Resp: 1231431

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.0	10.6
80	10.4	8.0	12.0



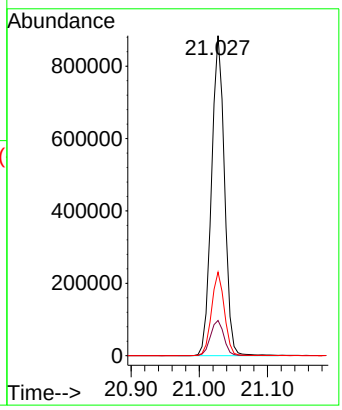


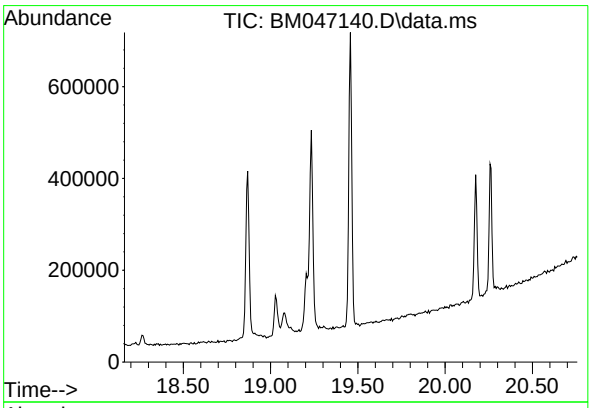
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1169603

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.2	12.2
236	26.1	20.6	30.8



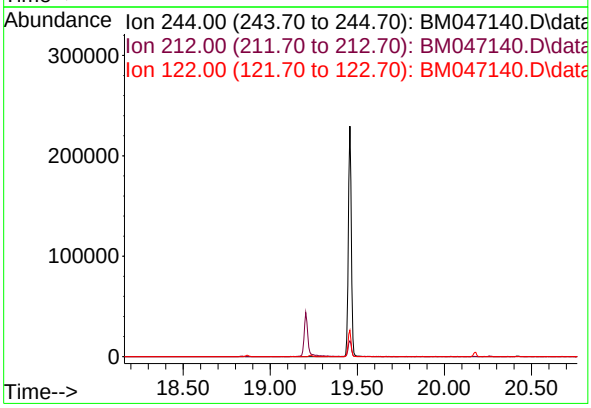


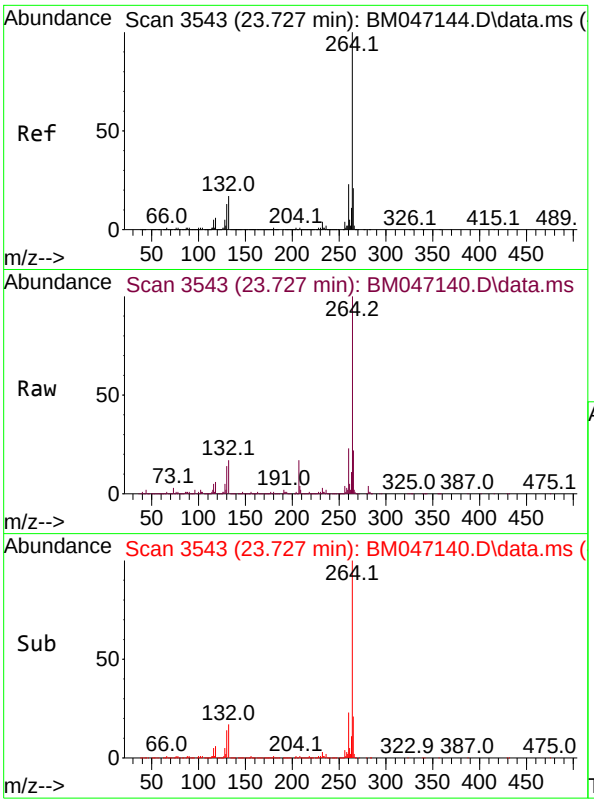
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.46 min

Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.8
122	8.9



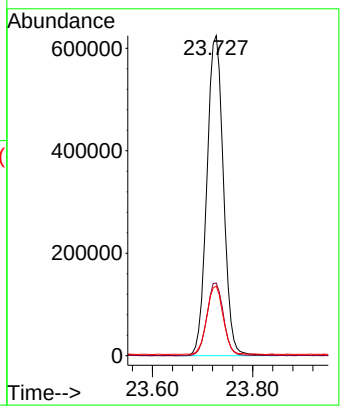


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047140.D
Acq: 10 Aug 2024 13:12

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1431343

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.5	27.7
265	21.7	17.3	25.9



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047141.D
Acq On : 10 Aug 2024 13:52
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Quant Time: Aug 11 23:31:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.375	152	231587	20.000	ng		0.00
21) Naphthalene-d8	10.128	136	953129	20.000	ng		0.00
39) Acenaphthene-d10	14.027	164	629995	20.000	ng		0.00
64) Phenanthrene-d10	16.792	188	1336137	20.000	ng		0.00
76) Chrysene-d12	21.027	240	1301329	20.000	ng		0.00
86) Perylene-d12	23.727	264	1576050	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.022	112	140661	10.853	ng		0.00
7) Phenol-d6	6.581	99	190264	10.654	ng		0.00
23) Nitrobenzene-d5	8.516	82	201738	10.658	ng		0.00
42) 2,4,6-Tribromophenol	15.533	330	70075	9.593	ng		0.00
45) 2-Fluorobiphenyl	12.639	172	442999	10.847	ng		0.00
79) Terphenyl-d14	19.456	244	601320	9.901	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.040	88	30031	5.592	ng		99
3) Pyridine	3.416	79	83824	5.327	ng		96
4) n-Nitrosodimethylamine	3.334	42	37222	5.410	ng	#	94
6) Aniline	6.722	93	89509	5.303	ng		99
8) 2-Chlorophenol	6.945	128	75622	5.350	ng		95
9) Benzaldehyde	6.540	77	68748	5.019	ng		96
10) Phenol	6.604	94	98125	5.506	ng		99
11) bis(2-Chloroethyl)ether	6.822	93	82870	5.430	ng		95
12) 1,3-Dichlorobenzene	7.263	146	90719	5.401	ng		97
13) 1,4-Dichlorobenzene	7.410	146	91512	5.381	ng		98
14) 1,2-Dichlorobenzene	7.716	146	88355	5.506	ng		96
15) Benzyl Alcohol	7.622	79	62692	4.932	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.904	45	110215	5.622	ng		98
17) 2-Methylphenol	7.834	107	61615	5.183	ng		95
18) Hexachloroethane	8.428	117	35243	5.350	ng		89
19) n-Nitroso-di-n-propyla...	8.181	70	67704	5.628	ng		100
20) 3+4-Methylphenols	8.157	107	84662	5.094	ng		99
22) Acetophenone	8.192	105	130329	5.665	ng		98
24) Nitrobenzene	8.557	77	101289	5.314	ng		97
25) Isophorone	9.086	82	169727	5.150	ng		100
26) 2-Nitrophenol	9.263	139	37222	4.410	ng	#	88
27) 2,4-Dimethylphenol	9.339	122	47540	4.808	ng		99
28) bis(2-Chloroethoxy)met...	9.575	93	109875	5.298	ng		99
29) 2,4-Dichlorophenol	9.798	162	68962	4.700	ng		99
30) 1,2,4-Trichlorobenzene	9.998	180	85165	5.129	ng		96
31) Naphthalene	10.181	128	256168	5.395	ng		99
32) Benzoic acid	9.439	122	43353m	3.753	ng		
33) 4-Chloroaniline	10.304	127	90992	4.983	ng		97
34) Hexachlorobutadiene	10.469	225	47407	4.878	ng		97
35) Caprolactam	11.086	113	23316	4.576	ng		95
36) 4-Chloro-3-methylphenol	11.451	107	76286	4.882	ng		95
37) 2-Methylnaphthalene	11.804	142	176480	5.220	ng		99
38) 1-Methylnaphthalene	12.027	142	175570	5.255	ng		97
40) 1,2,4,5-Tetrachloroben...	12.186	216	84909	4.941	ng		99
41) Hexachlorocyclopentadiene	12.163	237	25169	4.195	ng		97
43) 2,4,6-Trichlorophenol	12.445	196	55962	4.582	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047141.D
Acq On : 10 Aug 2024 13:52
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Quant Time: Aug 11 23:31:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

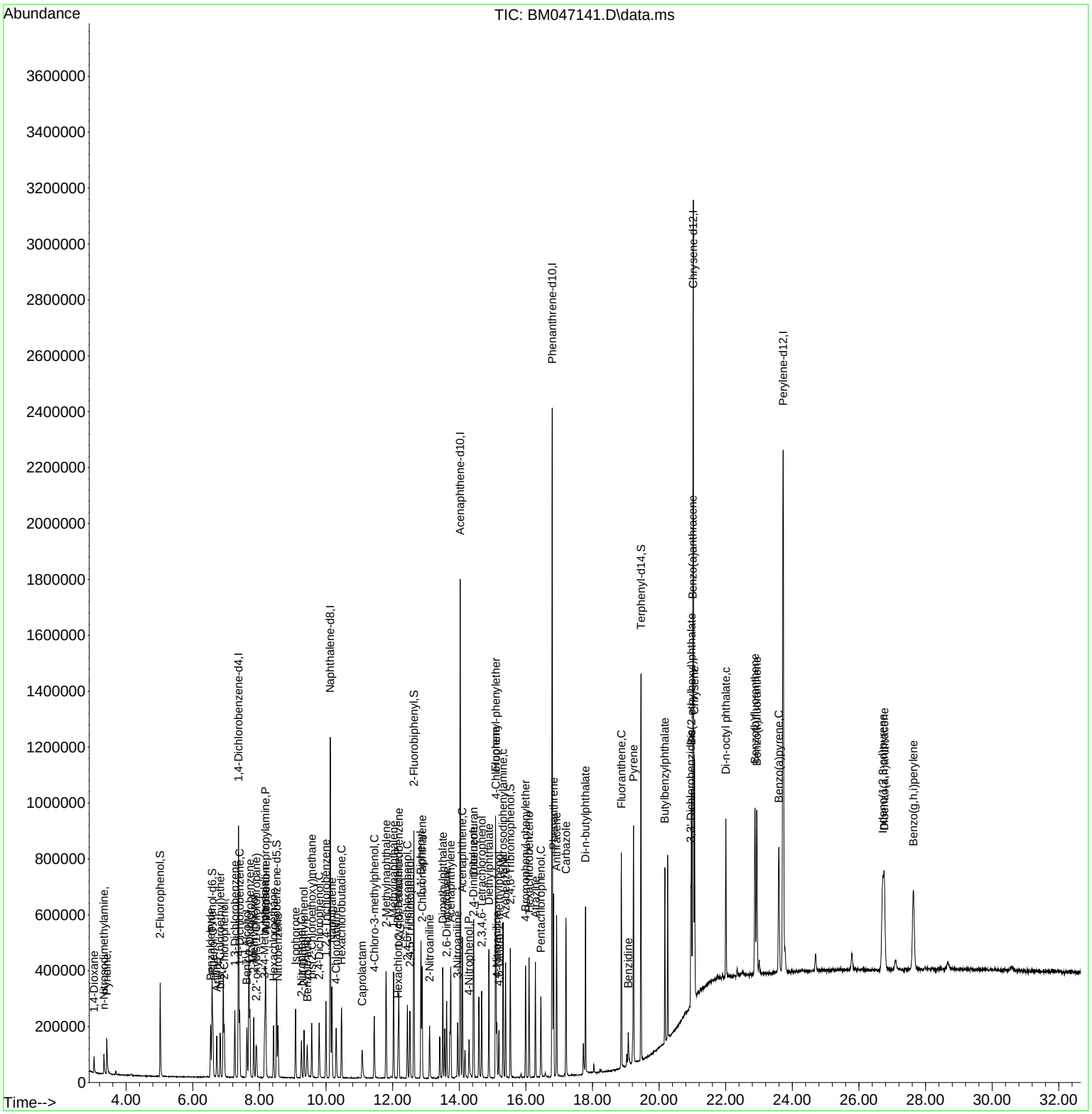
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.522	196	64621	4.765	ng	97
46) 1,1'-Biphenyl	12.851	154	242201	5.400	ng	98
47) 2-Chloronaphthalene	12.886	162	188590	5.380	ng	98
48) 2-Nitroaniline	13.110	65	50873	4.632	ng	91
49) Acenaphthylene	13.745	152	270677	5.238	ng	99
50) Dimethylphthalate	13.504	163	231786	5.268	ng	100
51) 2,6-Dinitrotoluene	13.621	165	49002	4.764	ng	96
52) Acenaphthene	14.092	154	175534	5.355	ng	99
53) 3-Nitroaniline	13.951	138	48787	4.734	ng	99
55) Dibenzofuran	14.433	168	281866	5.444	ng	99
56) 4-Nitrophenol	14.292	139	38873	4.374	ng	93
57) 2,4-Dinitrotoluene	14.421	165	63007	4.589	ng	88
58) Fluorene	15.092	166	231431	5.418	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.674	232	52488	4.710	ng	94
60) Diethylphthalate	14.892	149	236973	5.274	ng	99
61) 4-Chlorophenyl-phenyle...	15.098	204	107266	5.274	ng	98
62) 4-Nitroaniline	15.127	138	47275m	4.656	ng	
63) Azobenzene	15.392	77	229119	5.378	ng	99
65) 4,6-Dinitro-2-methylph...	15.192	198	30637	3.916	ng	93
66) n-Nitrosodiphenylamine	15.315	169	190365	5.231	ng	99
67) 4-Bromophenyl-phenylether	15.992	248	63559	4.937	ng	94
68) Hexachlorobenzene	16.098	284	78852	5.114	ng	98
69) Atrazine	16.286	200	60979	5.568	ng	98
70) Pentachlorophenol	16.451	266	47145	4.362	ng	97
71) Phenanthrene	16.833	178	363970	5.428	ng	99
72) Anthracene	16.921	178	342081	5.243	ng	99
73) Carbazole	17.204	167	357631	5.368	ng	99
74) Di-n-butylphthalate	17.792	149	392569	5.064	ng	98
75) Fluoranthene	18.868	202	432338	5.301	ng	98
77) Benzidine	19.074	184	73589	3.335	ng	96
78) Pyrene	19.233	202	473702	5.098	ng	99
80) Butylbenzylphthalate	20.174	149	166134	4.381	ng	97
81) Benzo(a)anthracene	21.009	228	452360	5.236	ng	98
82) 3,3'-Dichlorobenzidine	20.950	252	121454	4.493	ng	100
83) Chrysene	21.062	228	439298	5.360	ng	98
84) Bis(2-ethylhexyl)phtha...	20.974	149	250857	4.665	ng	99
85) Di-n-octyl phthalate	22.003	149	394399	4.315	ng	97
87) Indeno(1,2,3-cd)pyrene	26.715	276	522557	5.130	ng	99
88) Benzo(b)fluoranthene	22.880	252	465640	4.975	ng	99
89) Benzo(k)fluoranthene	22.933	252	469757	5.314	ng	99
90) Benzo(a)pyrene	23.597	252	399615	4.929	ng	98
91) Dibenzo(a,h)anthracene	26.762	278	431713	5.237	ng	98
92) Benzo(g,h,i)perylene	27.632	276	440920	5.151	ng	97

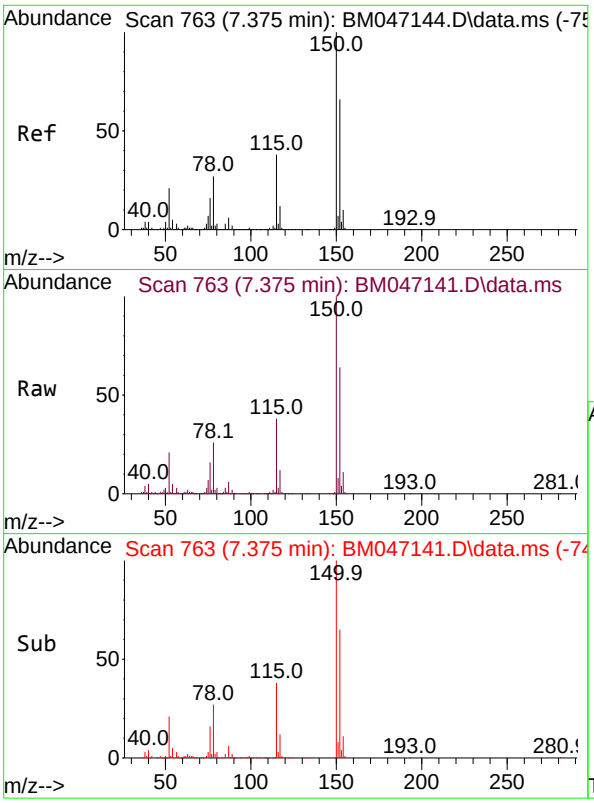
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047141.D
Acq On : 10 Aug 2024 13:52
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Quant Time: Aug 11 23:31:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration



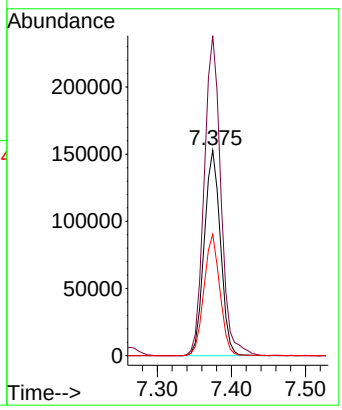


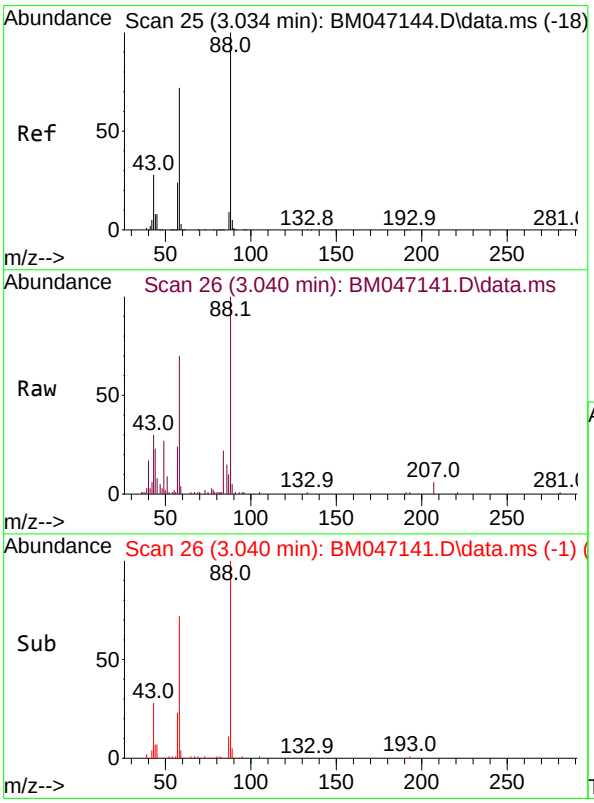
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7(
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 231587

Ion	Ratio	Lower	Upper
152	100		
150	155.8	120.5	180.7
115	59.1	45.5	68.3

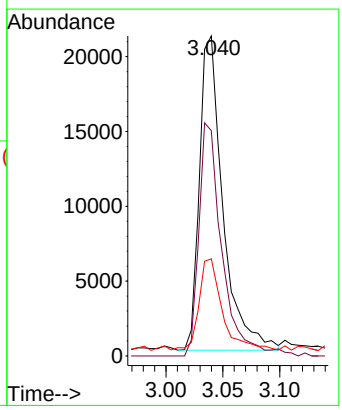


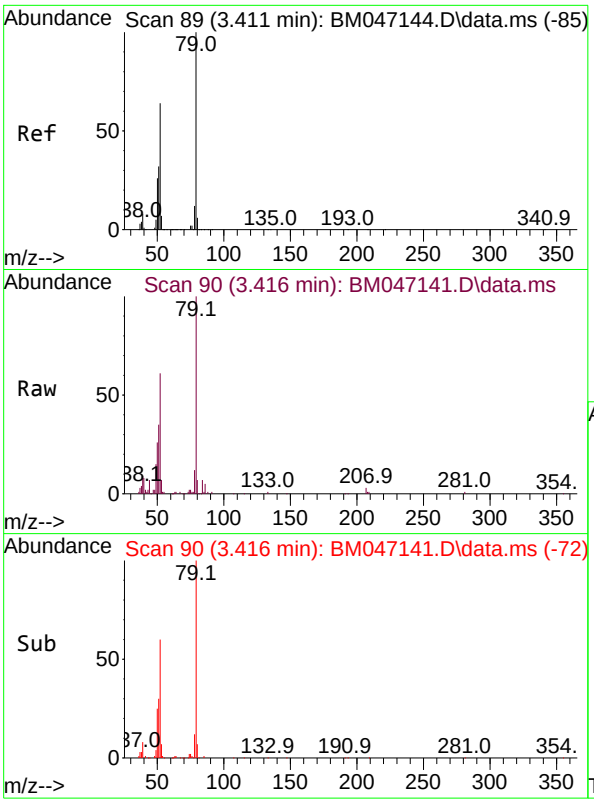


#2
1,4-Dioxane
Concen: 5.592 ng
RT: 3.040 min Scan# 26
Delta R.T. 0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion: 88 Resp: 30031

Ion	Ratio	Lower	Upper
88	100		
58	73.4	58.2	87.4
43	28.6	22.5	33.7



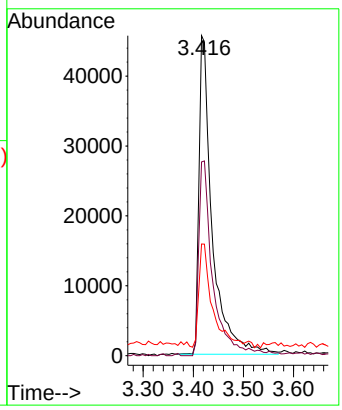


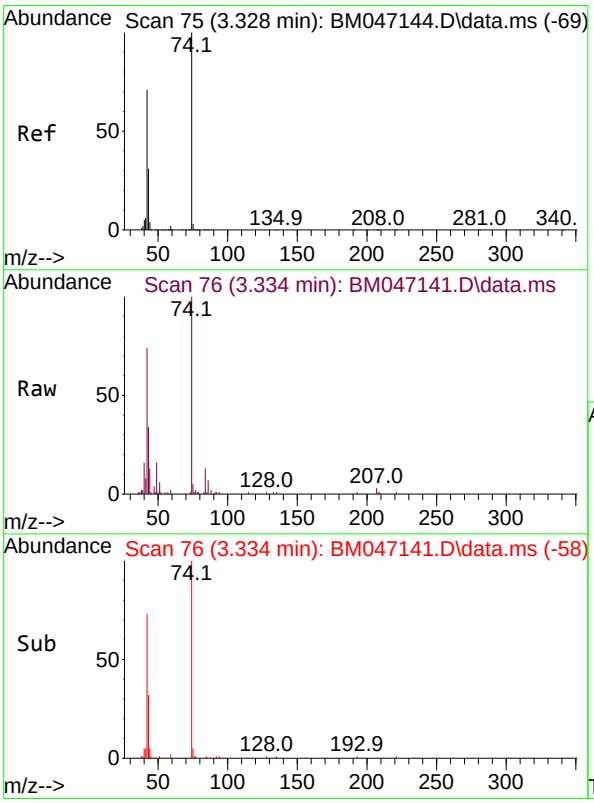
#3
Pyridine
Concen: 5.327 ng
RT: 3.416 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 83824

Ion	Ratio	Lower	Upper
79	100		
52	60.5	51.2	76.8
51	34.9	26.1	39.1

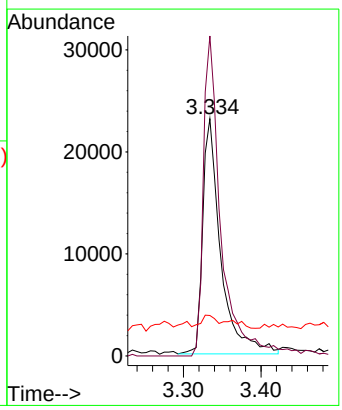


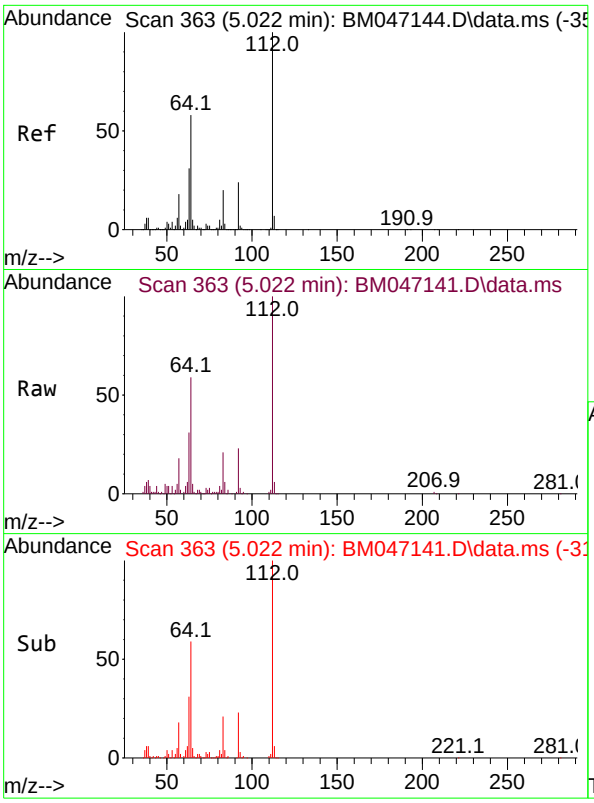


#4
n-Nitrosodimethylamine
Concen: 5.410 ng
RT: 3.334 min Scan# 76
Delta R.T. 0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion: 42 Resp: 37222

Ion	Ratio	Lower	Upper
42	100		
74	134.9	112.9	169.3
44	17.0	5.3	7.9#



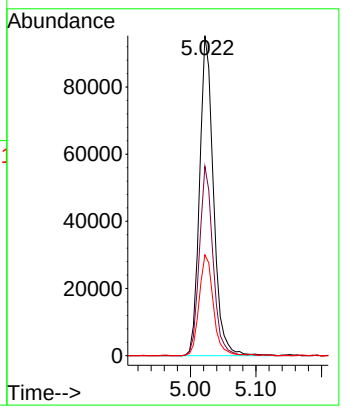


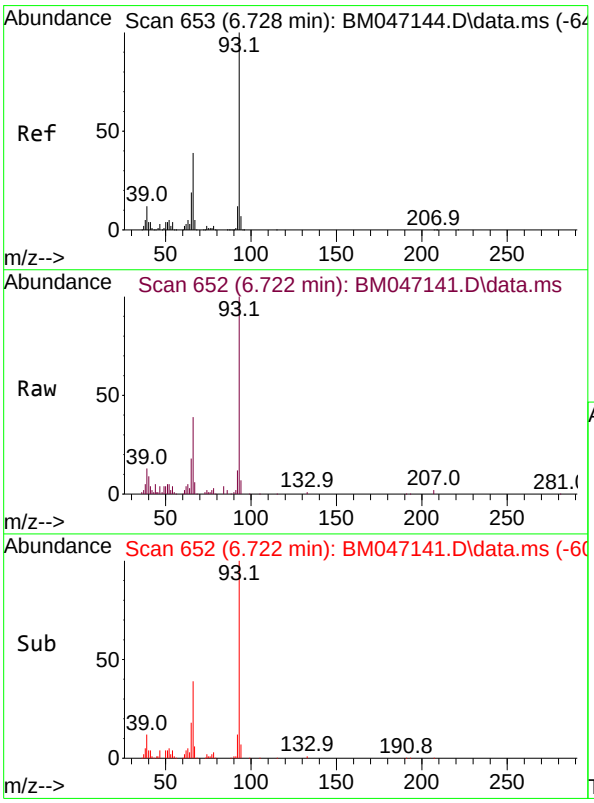
#5
2-Fluorophenol
Concen: 10.853 ng
RT: 5.022 min Scan# 3(
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 140661

Ion	Ratio	Lower	Upper
112	100		
64	59.1	46.7	70.1
63	31.5	24.8	37.2

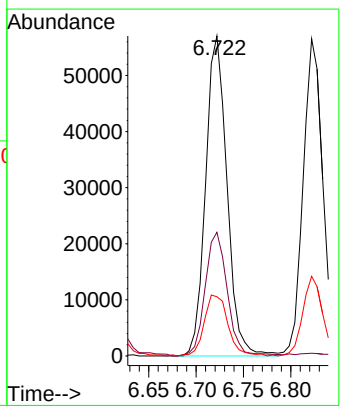


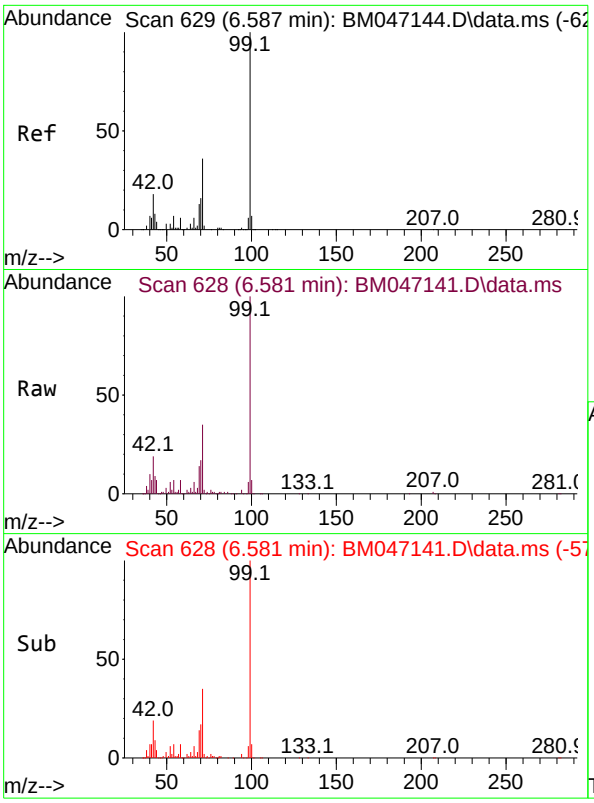


#6
Aniline
Concen: 5.303 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion: 93 Resp: 89509

Ion	Ratio	Lower	Upper
93	100		
66	38.6	31.4	47.2
65	18.5	15.6	23.4



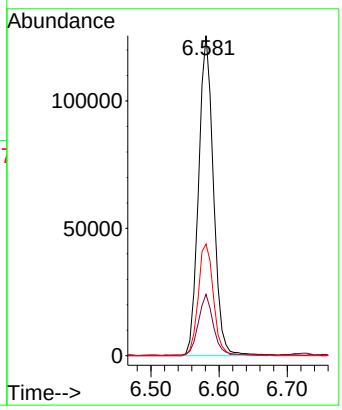


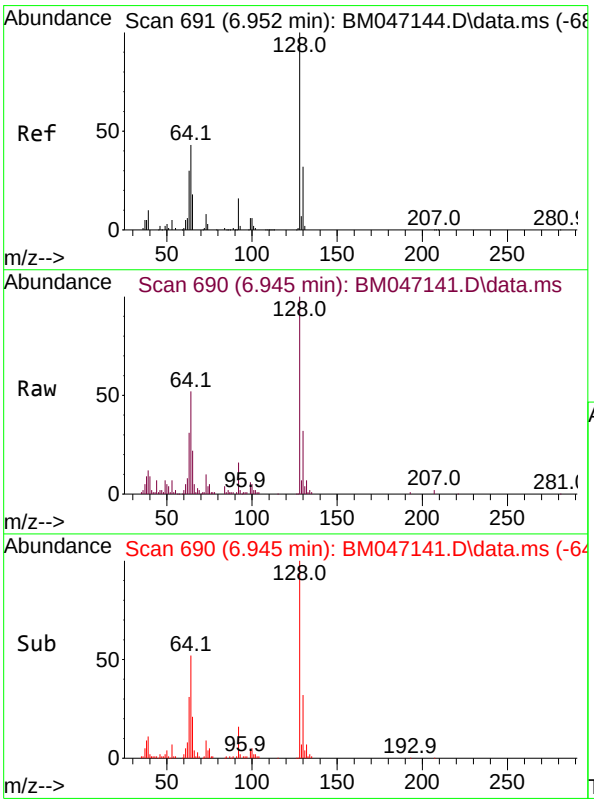
#7
Phenol-d6
Concen: 10.654 ng
RT: 6.581 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 190264

Ion	Ratio	Lower	Upper
99	100		
42	19.1	14.1	21.1
71	34.9	28.5	42.7

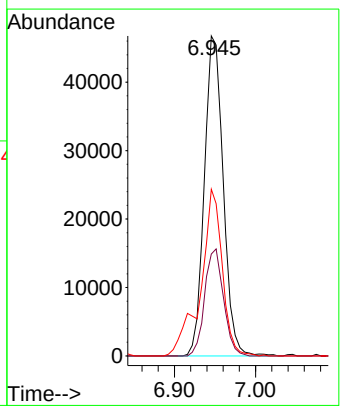


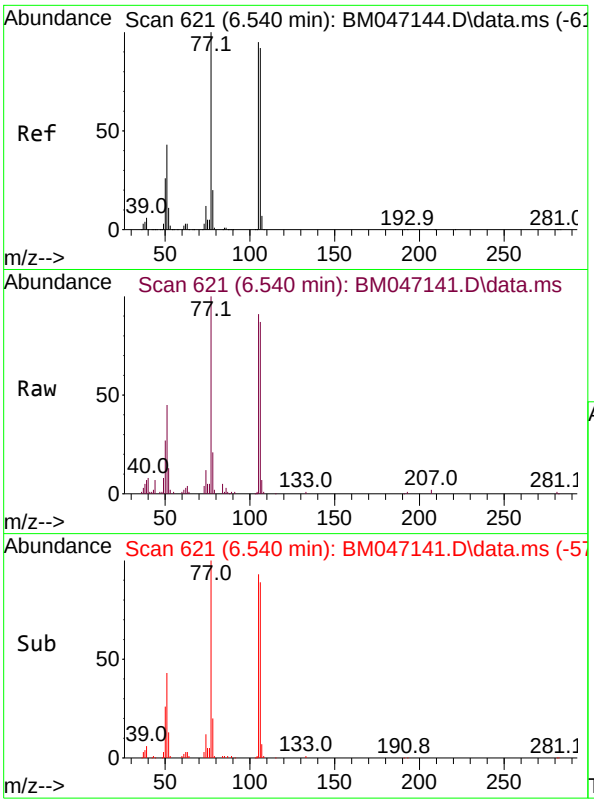


#8
2-Chlorophenol
Concen: 5.350 ng
RT: 6.945 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:128 Resp: 75622

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.1	52.1
64	52.1	26.6	66.6



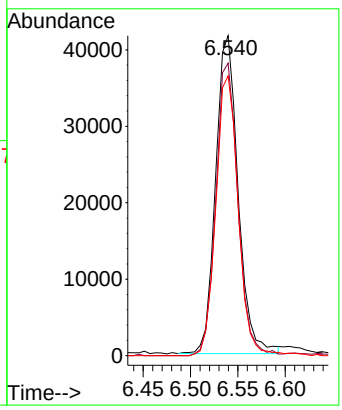


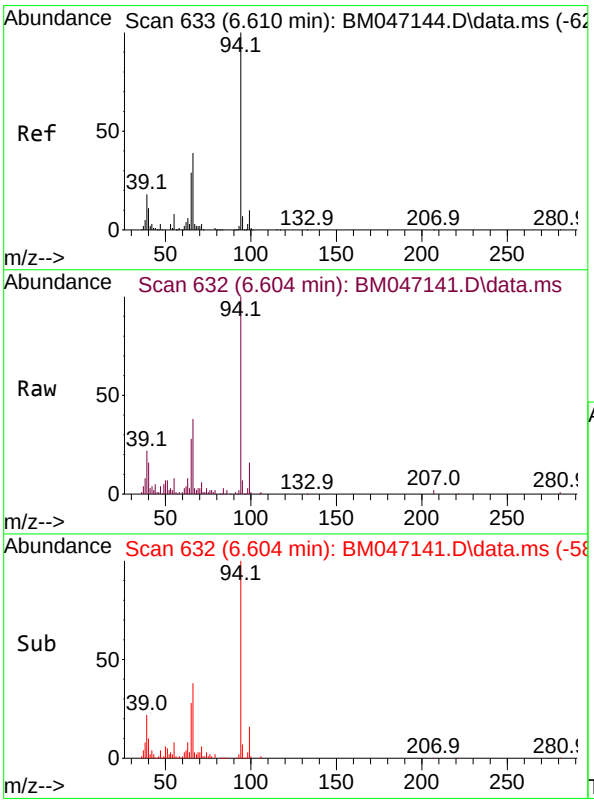
#9
Benzaldehyde
Concen: 5.019 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 68748

Ion	Ratio	Lower	Upper
77	100		
105	91.4	74.5	114.5
106	87.4	72.3	112.3

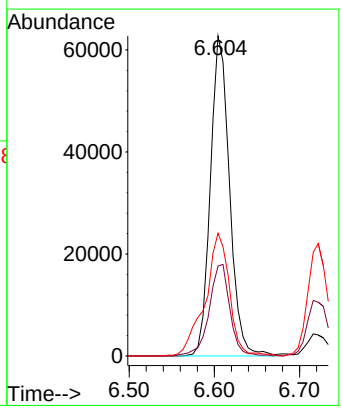


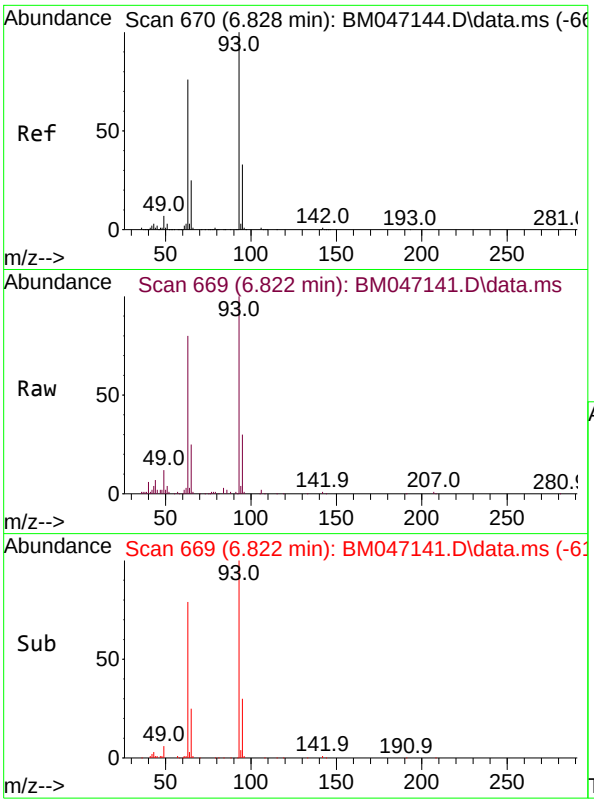


#10
Phenol
Concen: 5.506 ng
RT: 6.604 min Scan# 632
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion: 94 Resp: 98125

Ion	Ratio	Lower	Upper
94	100		
65	28.1	9.0	49.0
66	38.3	18.9	58.9



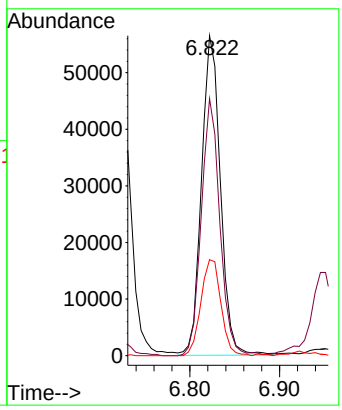


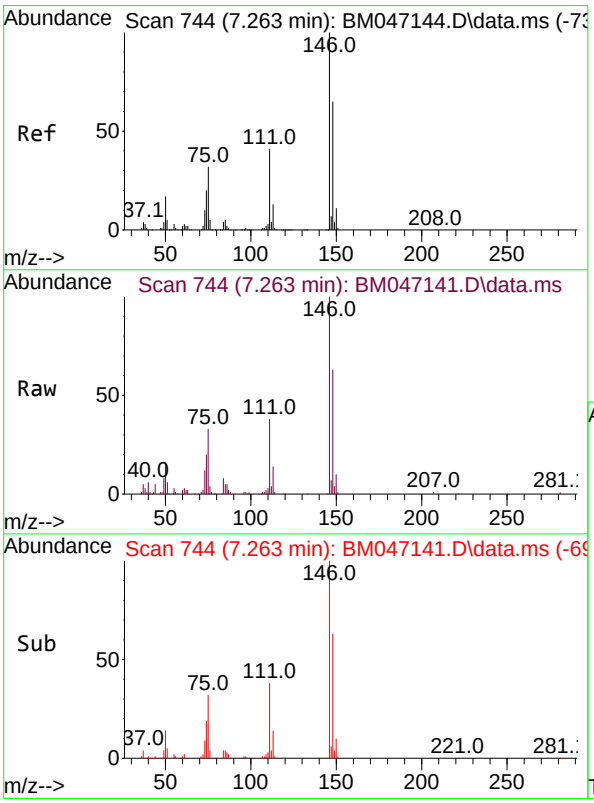
#11
bis(2-Chloroethyl)ether
Concen: 5.430 ng
RT: 6.822 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 82870

Ion	Ratio	Lower	Upper
93	100		
63	80.3	55.8	95.8
95	30.0	12.7	52.7

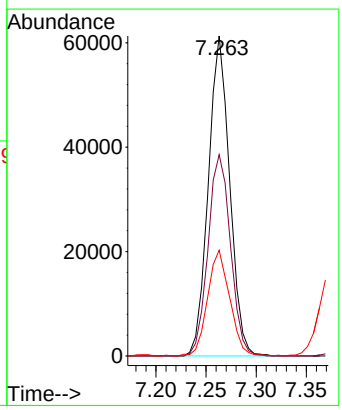


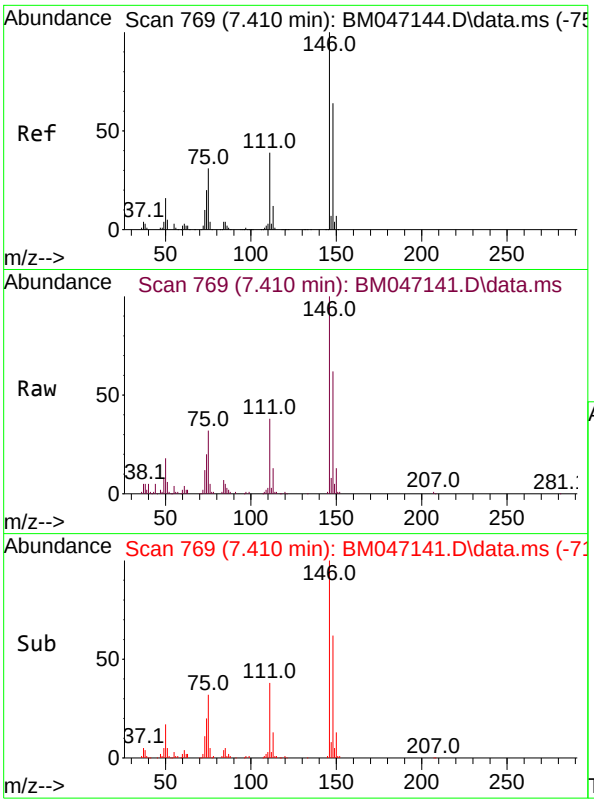


#12
1,3-Dichlorobenzene
Concen: 5.401 ng
RT: 7.263 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:146 Resp: 90719

Ion	Ratio	Lower	Upper
146	100		
148	62.9	52.3	78.5
75	33.0	25.8	38.6



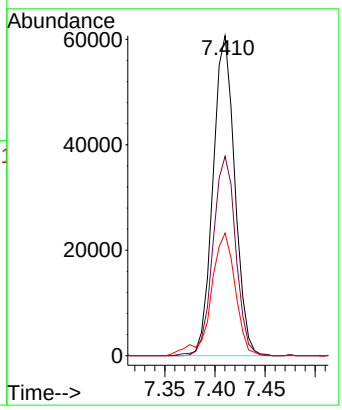


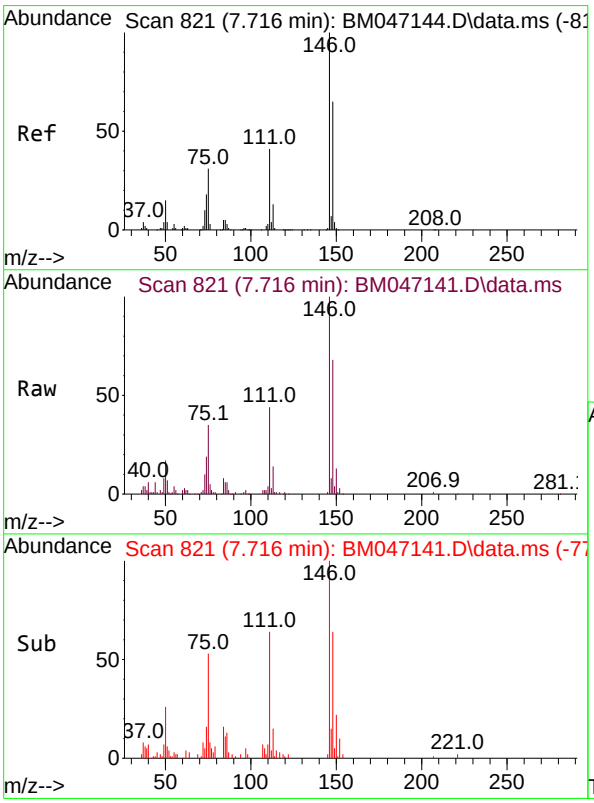
#13
1,4-Dichlorobenzene
Concen: 5.381 ng
RT: 7.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 91512

Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.4	77.2
111	38.3	31.5	47.3

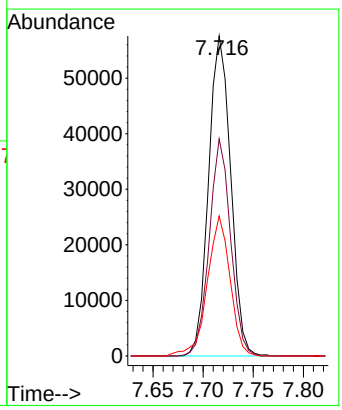


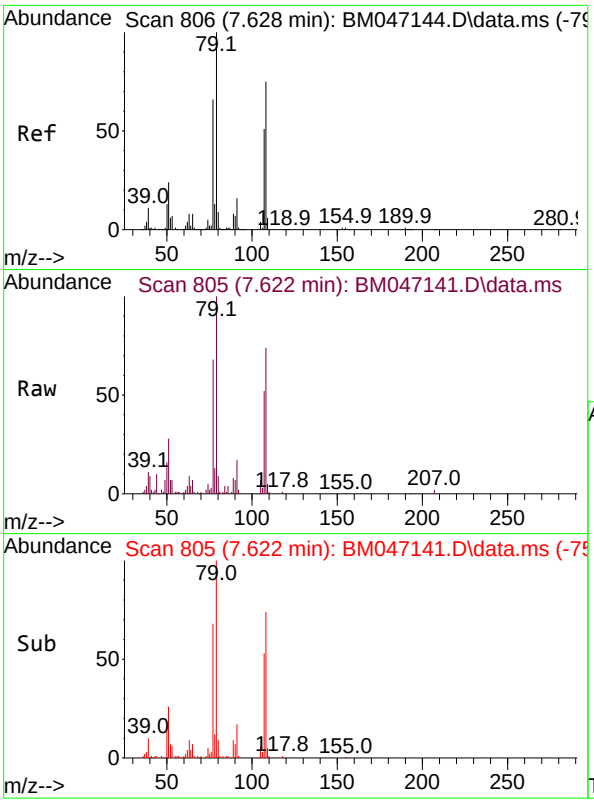


#14
1,2-Dichlorobenzene
Concen: 5.506 ng
RT: 7.716 min Scan# 821
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:146 Resp: 88355

Ion	Ratio	Lower	Upper
146	100		
148	67.9	51.8	77.8
111	43.7	33.3	49.9



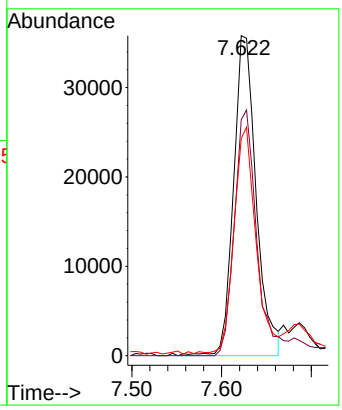


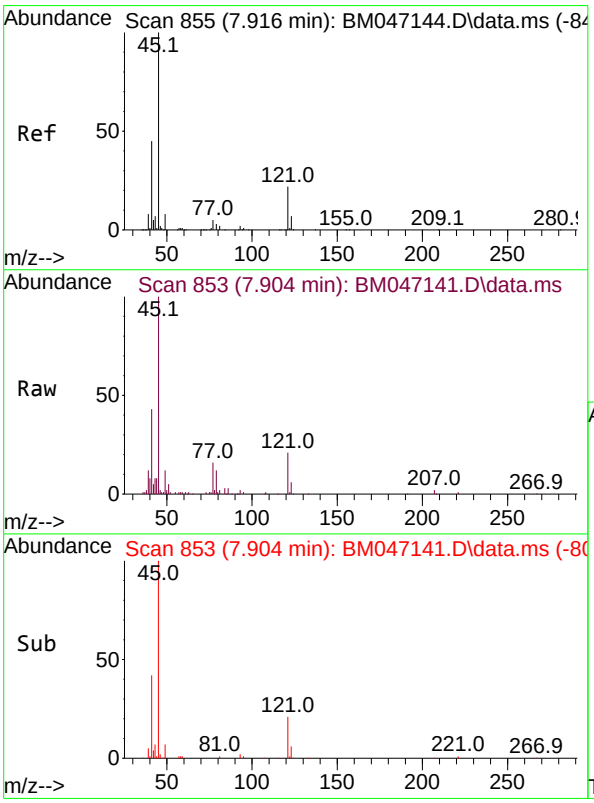
#15
Benzyl Alcohol
Concen: 4.932 ng
RT: 7.622 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 62692

Ion	Ratio	Lower	Upper
79	100		
108	73.7	59.7	89.5
77	67.9	52.9	79.3

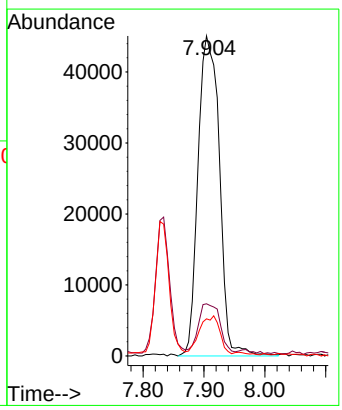


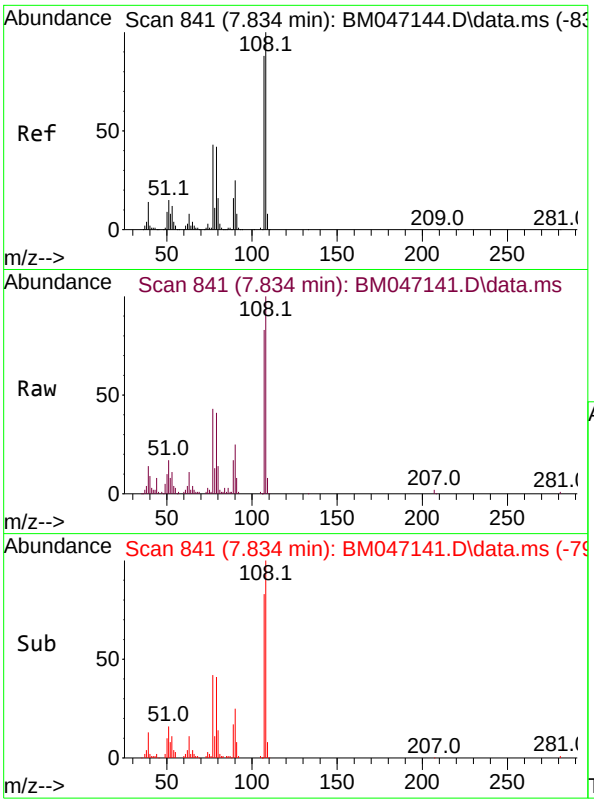


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.622 ng
RT: 7.904 min Scan# 853
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion: 45 Resp: 110215

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	35.6
79	11.6	0.0	32.4



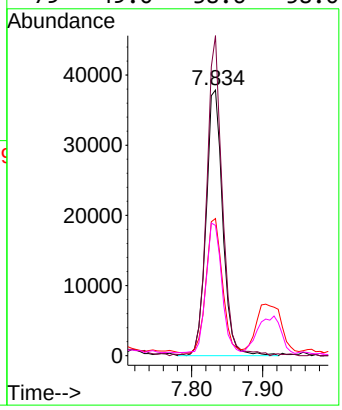


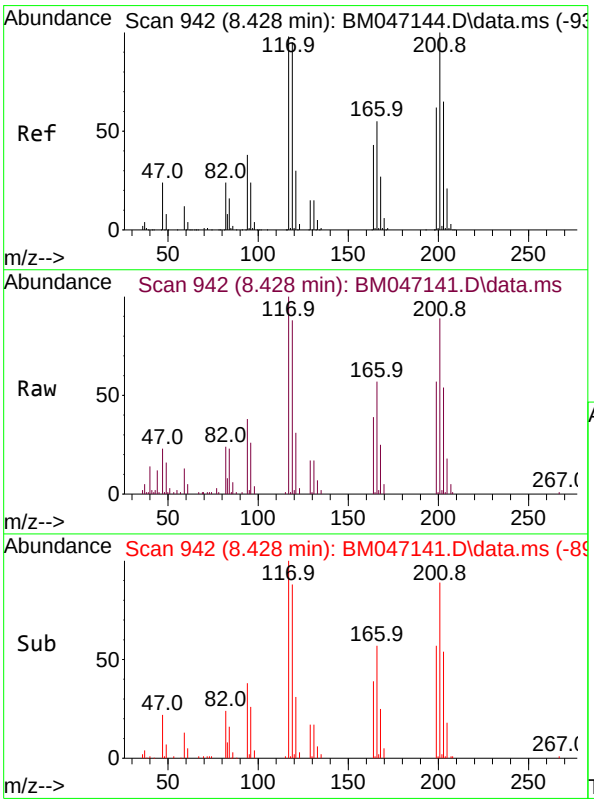
#17
2-Methylphenol
Concen: 5.183 ng
RT: 7.834 min Scan# 84
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 61615

Ion	Ratio	Lower	Upper
107	100		
108	120.5	90.6	135.8
77	51.6	39.3	58.9
79	49.0	38.6	58.0

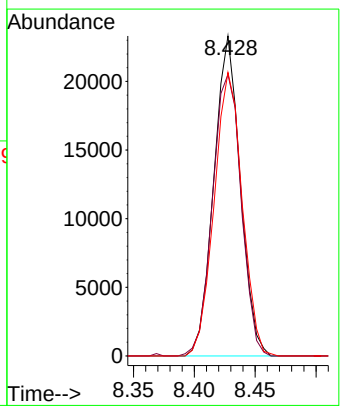


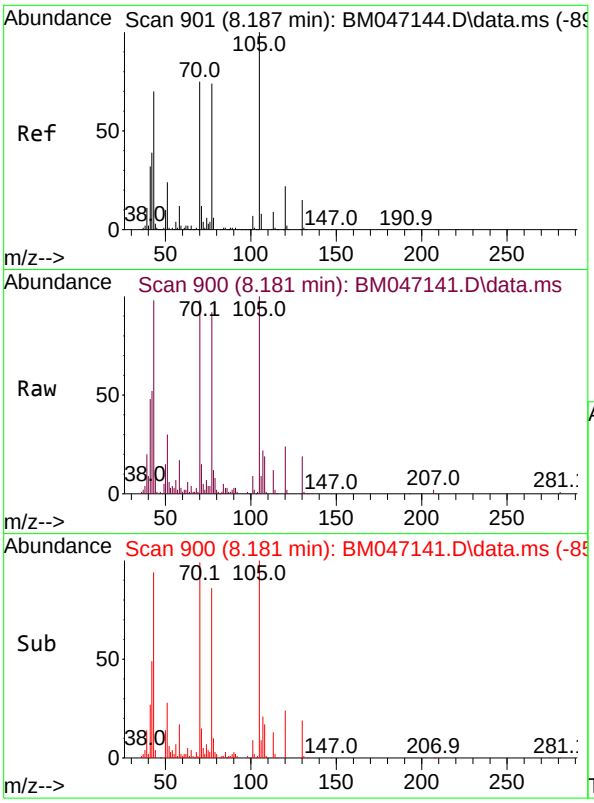


#18
Hexachloroethane
Concen: 5.350 ng
RT: 8.428 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:117 Resp: 35243

Ion	Ratio	Lower	Upper
117	100		
119	88.0	77.0	115.4
201	88.6	81.3	121.9



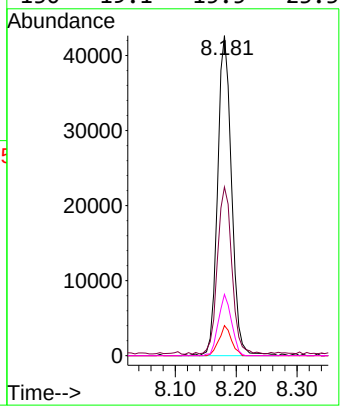


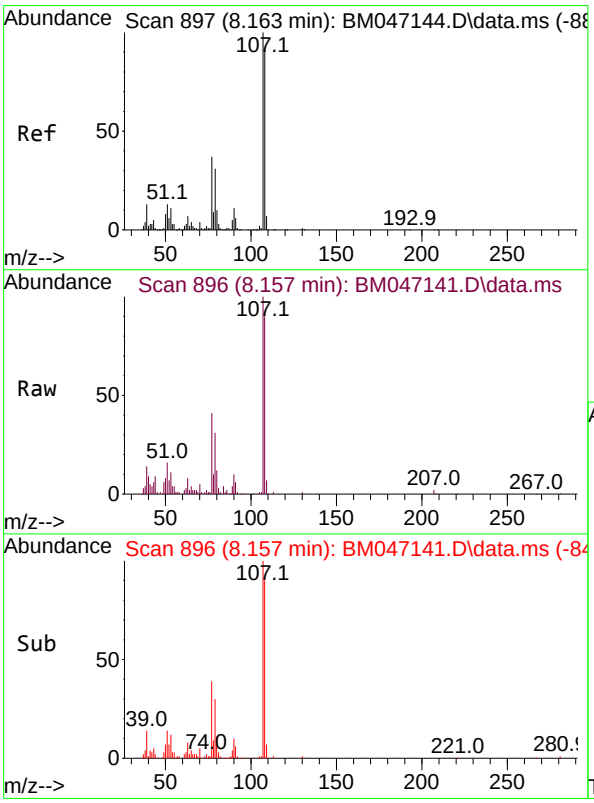
#19
n-Nitroso-di-n-propylamine
Concen: 5.628 ng
RT: 8.181 min Scan# 90
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 67704

Ion	Ratio	Lower	Upper
70	100		
42	52.7	42.0	63.0
101	9.4	7.2	10.8
130	19.1	15.5	23.3

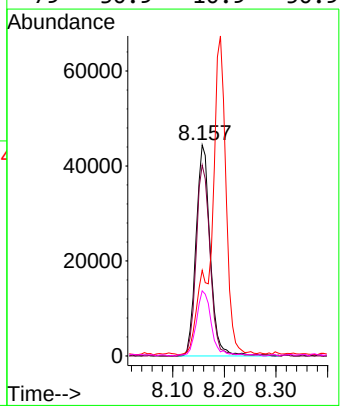


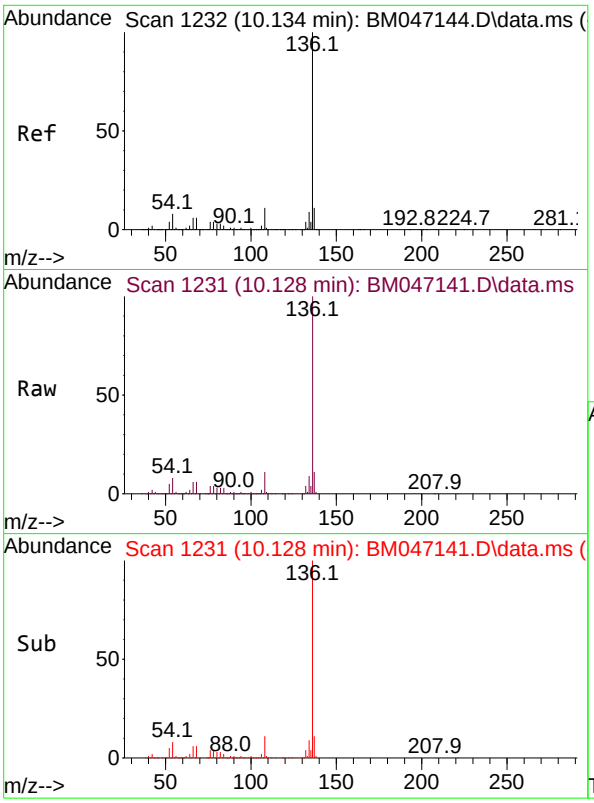


#20
3+4-Methylphenols
Concen: 5.094 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:107 Resp: 84662

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.7	110.7
77	40.6	17.4	57.4
79	30.9	10.9	50.9



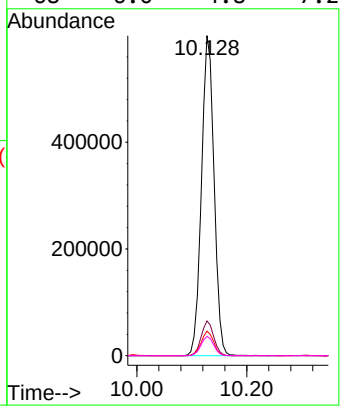


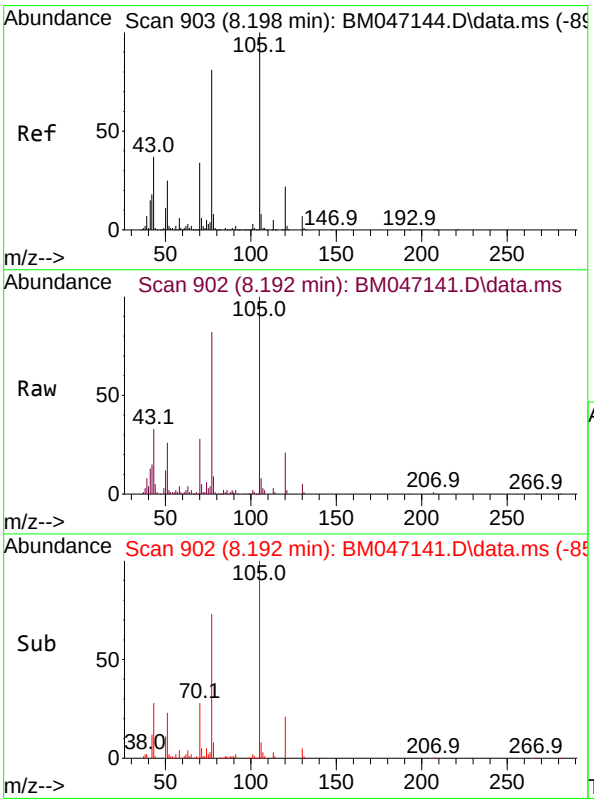
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 953129

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.7	6.0	9.0
68	6.0	4.8	7.2

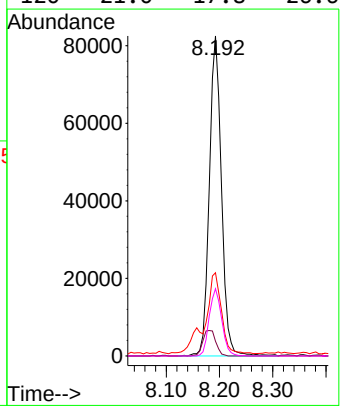


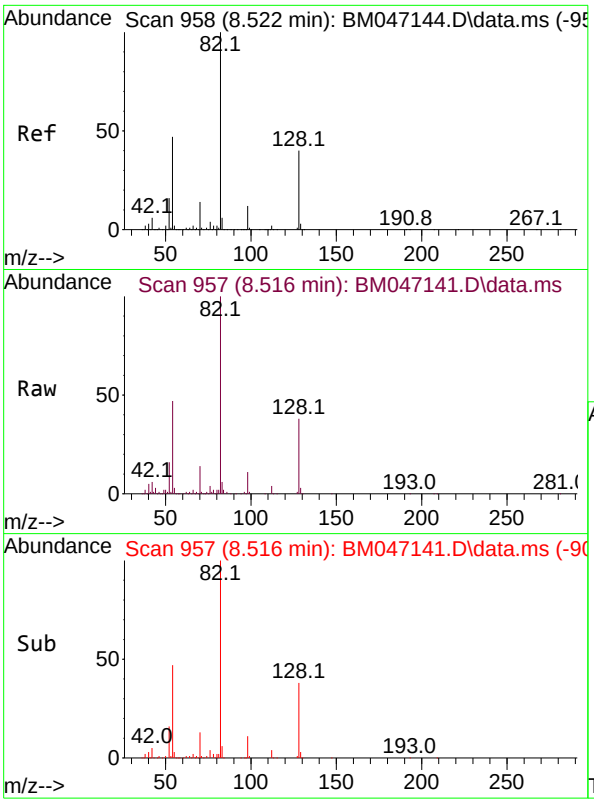


#22
Acetophenone
Concen: 5.665 ng
RT: 8.192 min Scan# 902
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:105 Resp: 130329

Ion	Ratio	Lower	Upper
105	100		
71	4.6	4.5	6.7
51	26.0	20.1	30.1
120	21.0	17.8	26.6



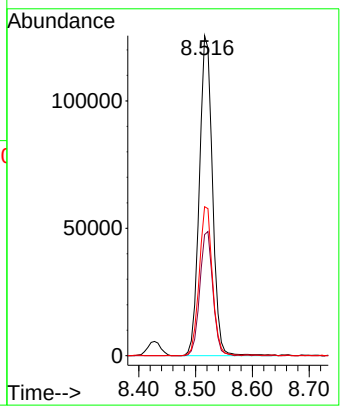


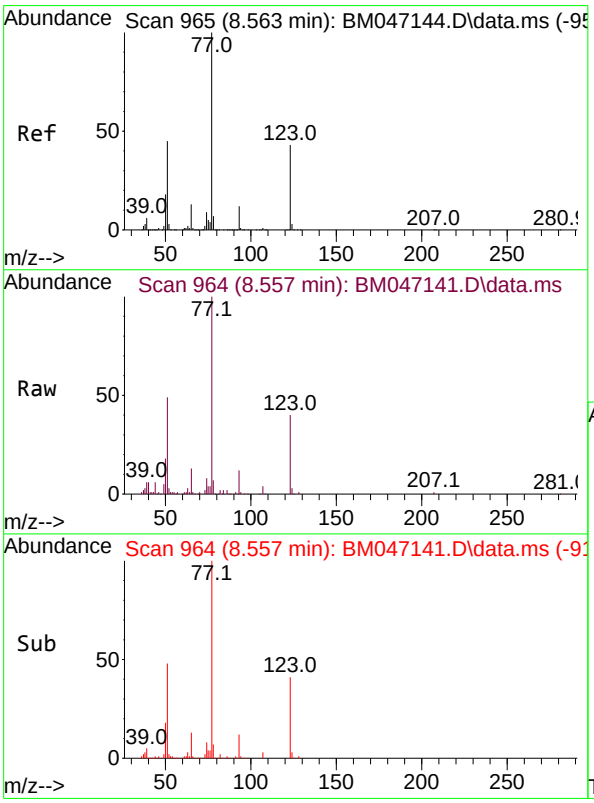
#23
Nitrobenzene-d5
Concen: 10.658 ng
RT: 8.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 201738

Ion	Ratio	Lower	Upper
82	100		
128	37.9	32.3	48.5
54	46.5	37.4	56.2

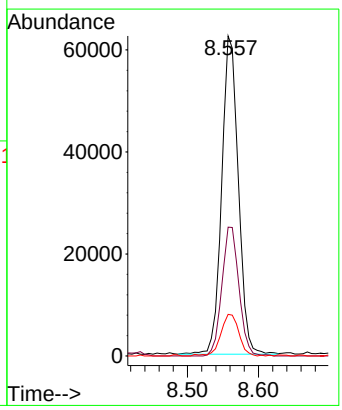


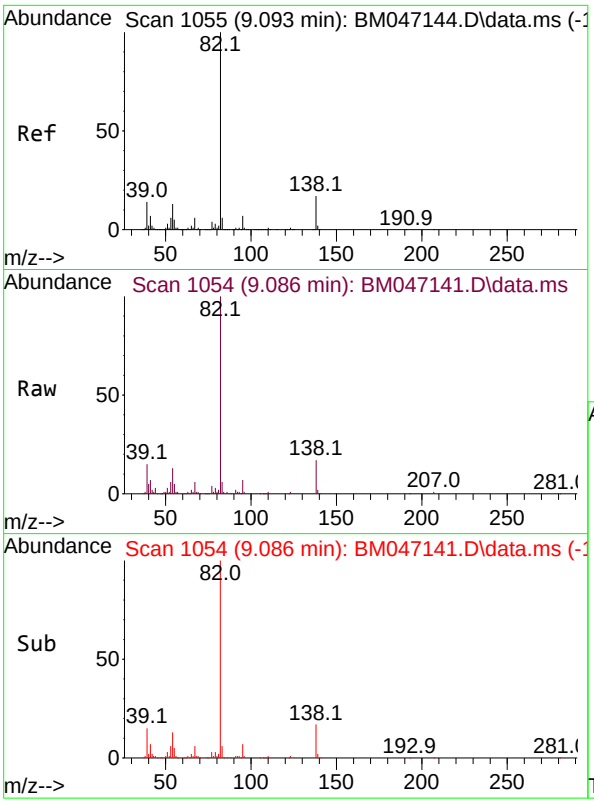


#24
Nitrobenzene
Concen: 5.314 ng
RT: 8.557 min Scan# 964
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion: 77 Resp: 101289

Ion	Ratio	Lower	Upper
77	100		
123	40.2	34.0	51.0
65	13.0	10.5	15.7



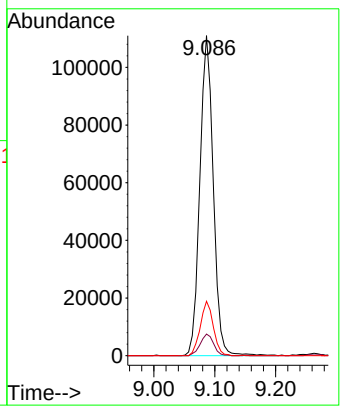


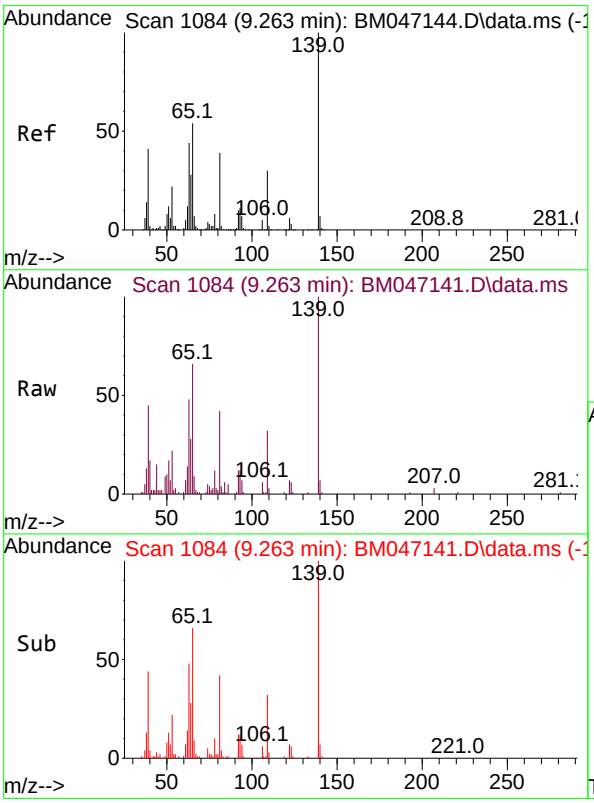
#25
Isophorone
Concen: 5.150 ng
RT: 9.086 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 169727

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	17.0	13.5	20.3

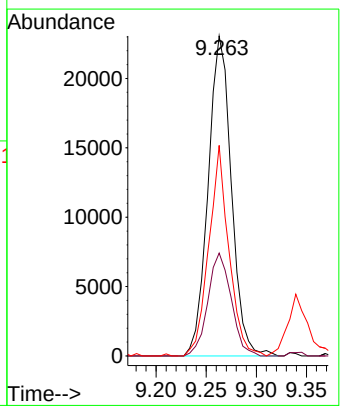


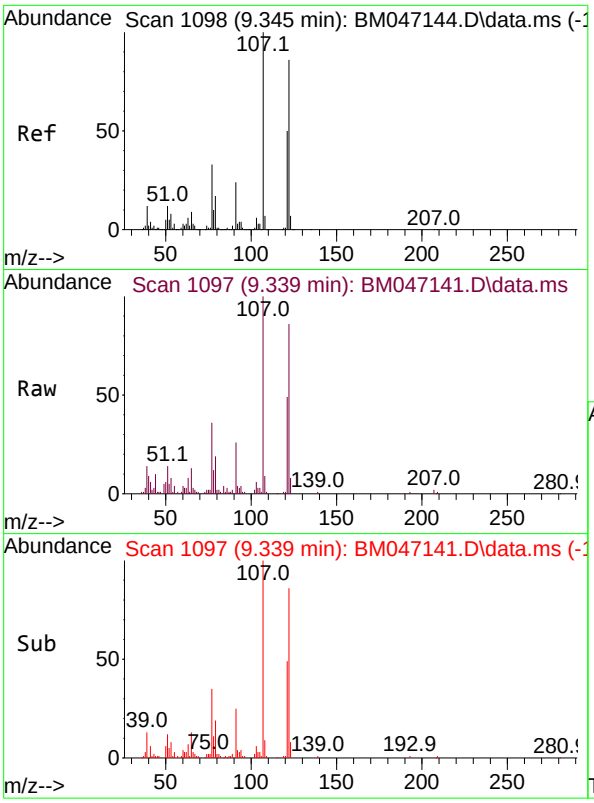


#26
2-Nitrophenol
Concen: 4.410 ng
RT: 9.263 min Scan# 1084
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:139 Resp: 37222

Ion	Ratio	Lower	Upper
139	100		
109	32.1	24.4	36.6
65	65.8	43.0	64.6#



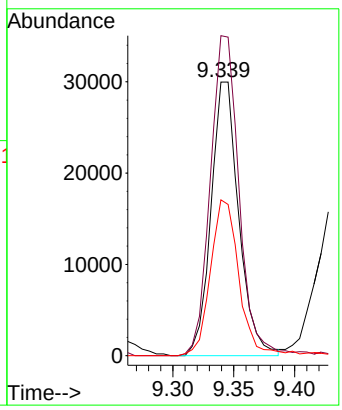


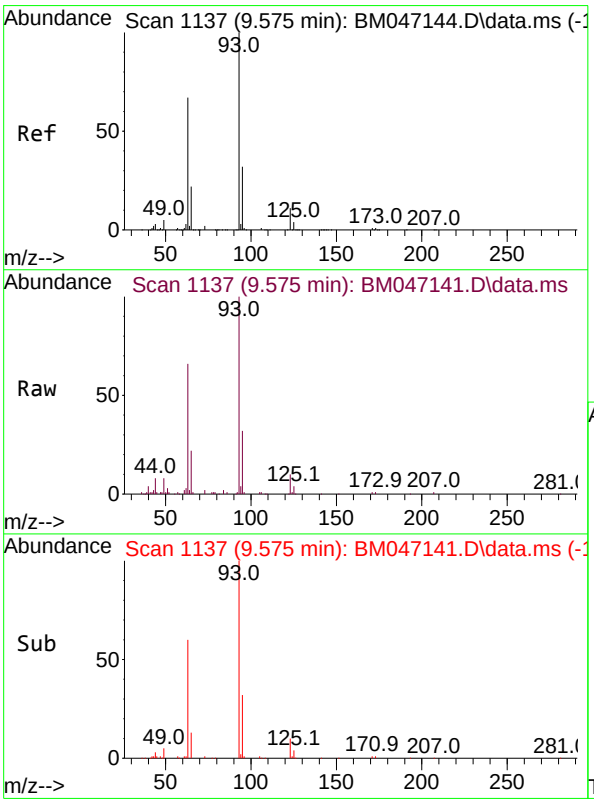
#27
2,4-Dimethylphenol
Concen: 4.808 ng
RT: 9.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 47540

Ion	Ratio	Lower	Upper
122	100		
107	116.9	92.8	139.2
121	57.0	46.1	69.1

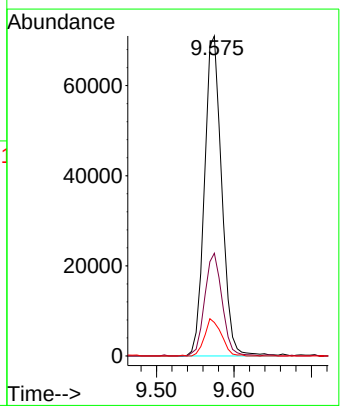


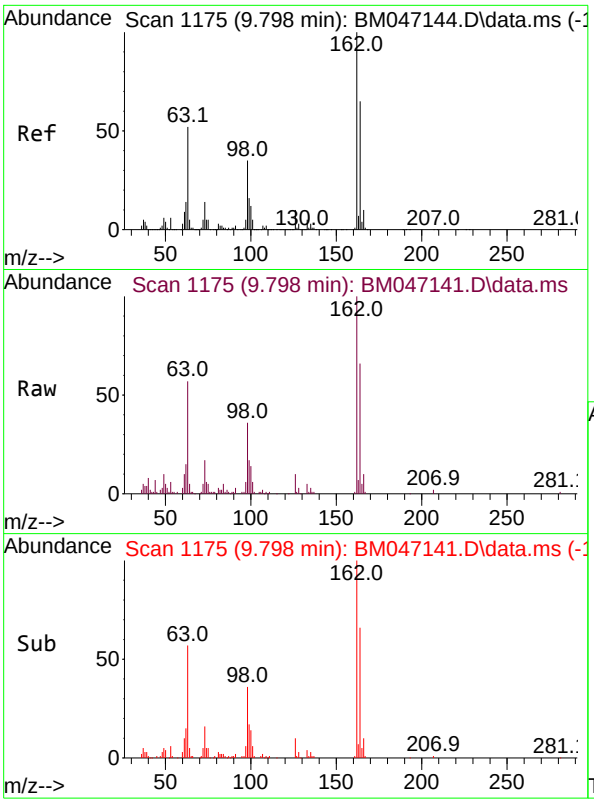


#28
bis(2-Chloroethoxy)methane
Concen: 5.298 ng
RT: 9.575 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion: 93 Resp: 109875

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.8	38.8
123	10.5	9.0	13.4



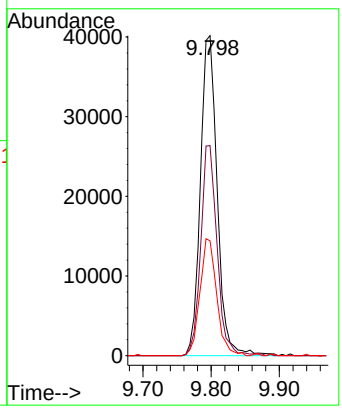


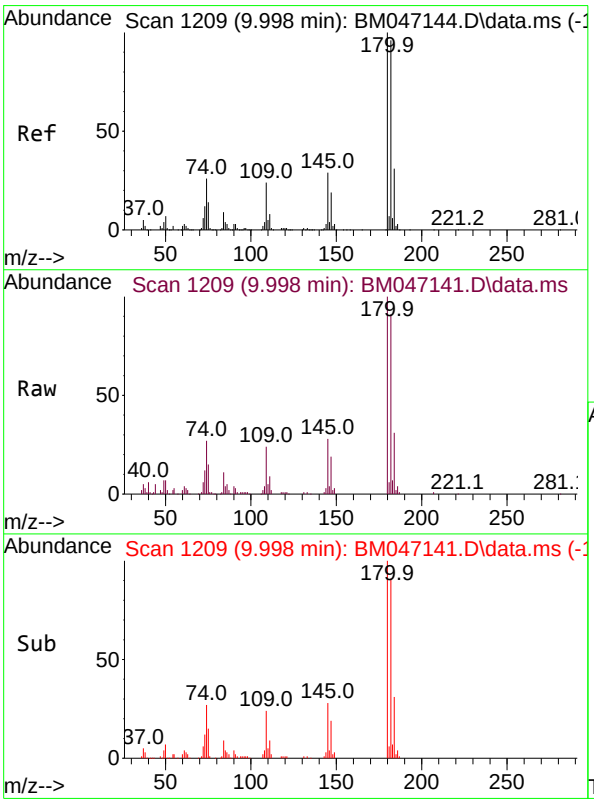
#29
2,4-Dichlorophenol
Concen: 4.700 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 68962

Ion	Ratio	Lower	Upper
162	100		
164	65.6	44.7	84.7
98	35.9	14.9	54.9

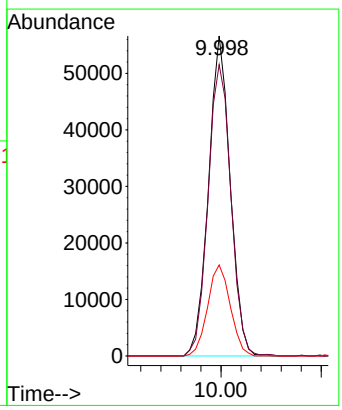


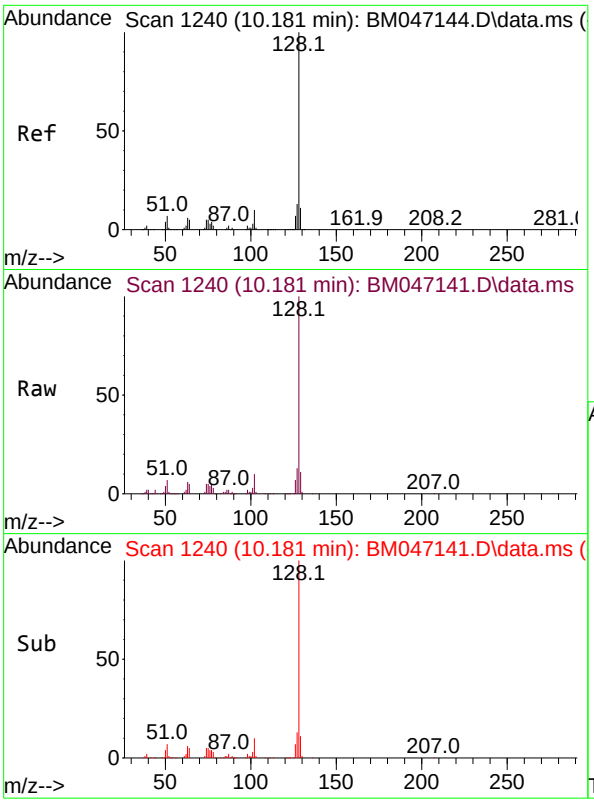


#30
1,2,4-Trichlorobenzene
Concen: 5.129 ng
RT: 9.998 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:180 Resp: 85165

Ion	Ratio	Lower	Upper
180	100		
182	91.0	76.6	115.0
145	28.4	23.4	35.2



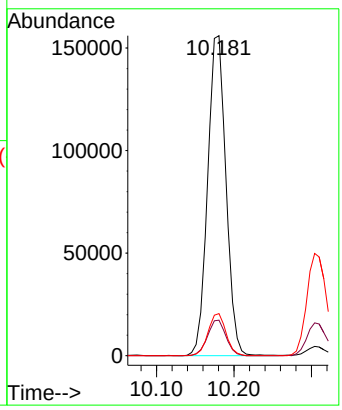


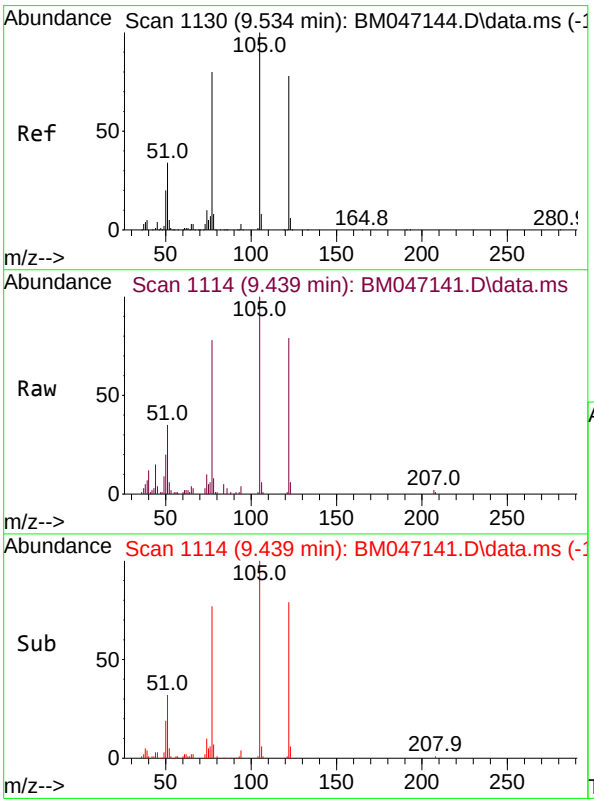
#31
Naphthalene
Concen: 5.395 ng
RT: 10.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 256168

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	13.2	10.2	15.4

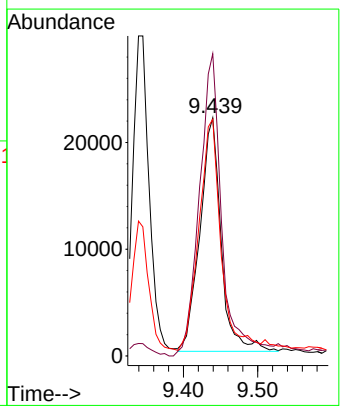


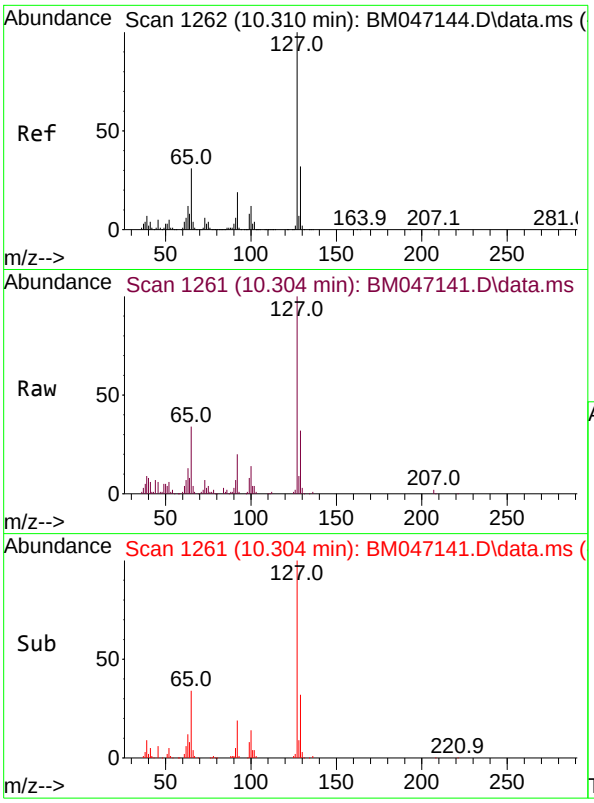


#32
Benzoic acid
Concen: 3.753 ng m
RT: 9.439 min Scan# 1114
Delta R.T. -0.094 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:122 Resp: 43353

Ion	Ratio	Lower	Upper
122	100		
105	127.0	107.1	147.1
77	99.5	82.1	122.1



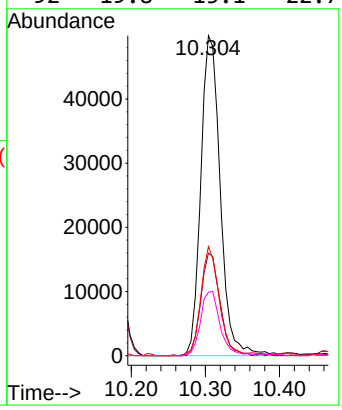


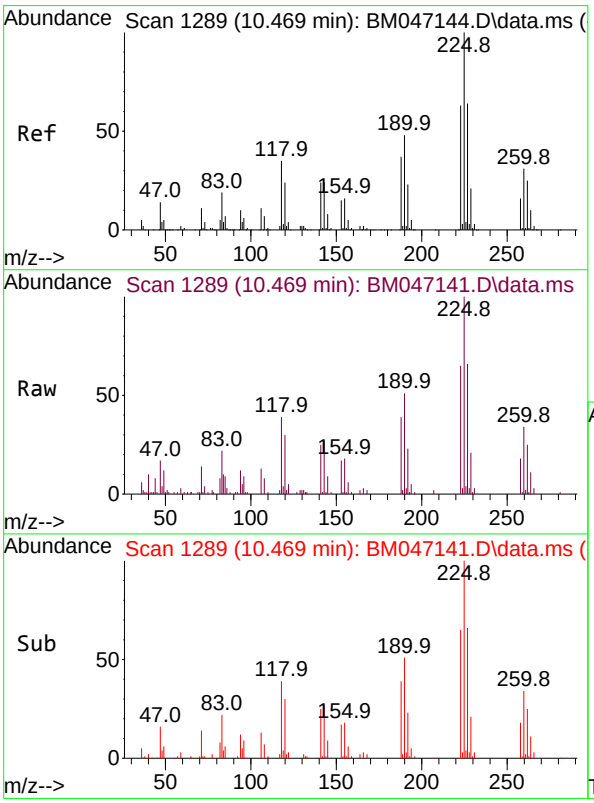
#33
4-Chloroaniline
Concen: 4.983 ng
RT: 10.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:127 Resp: 90992

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.8	38.8
65	34.1	24.9	37.3
92	19.8	15.1	22.7

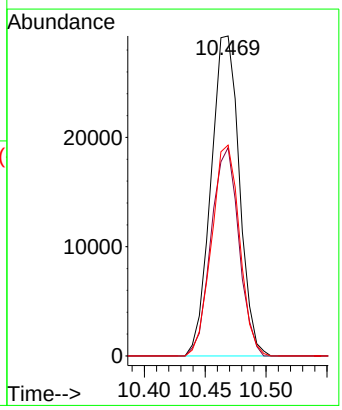


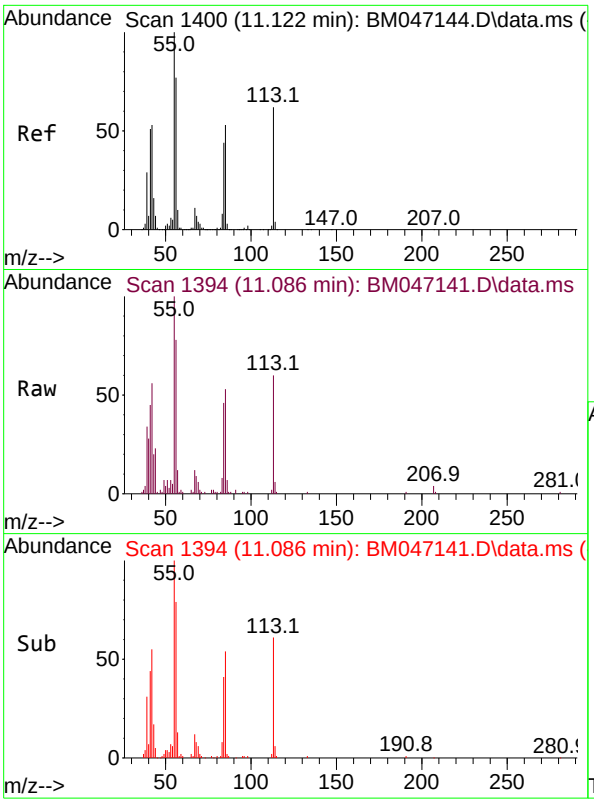


#34
Hexachlorobutadiene
Concen: 4.878 ng
RT: 10.469 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:225 Resp: 47407

Ion	Ratio	Lower	Upper
225	100		
223	65.1	50.2	75.2
227	65.9	51.4	77.0



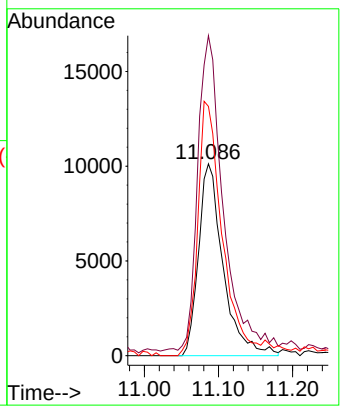


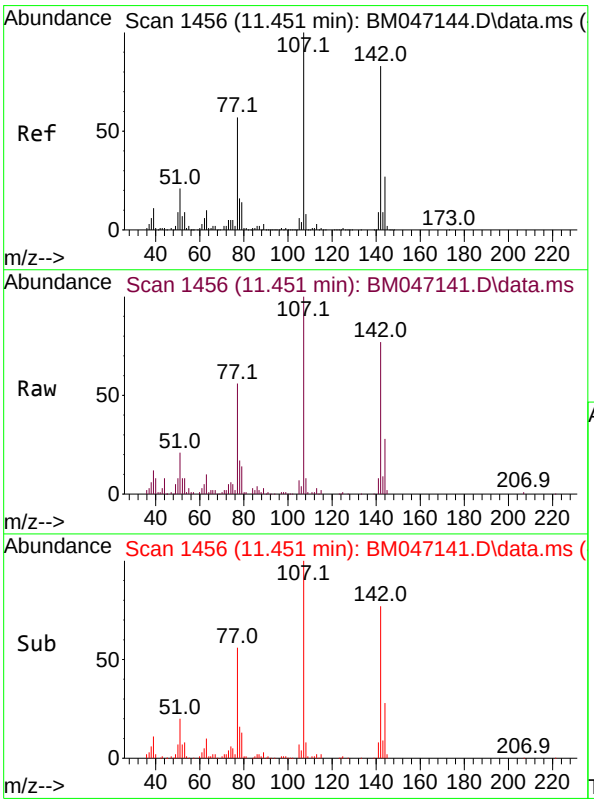
#35
Caprolactam
Concen: 4.576 ng
RT: 11.086 min Scan# 1
Delta R.T. -0.035 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:113 Resp: 23316

Ion	Ratio	Lower	Upper
113	100		
55	166.8	140.5	180.5
56	130.0	103.6	143.6

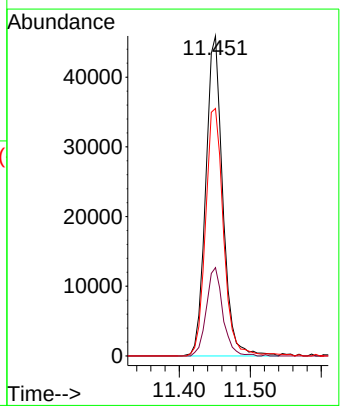


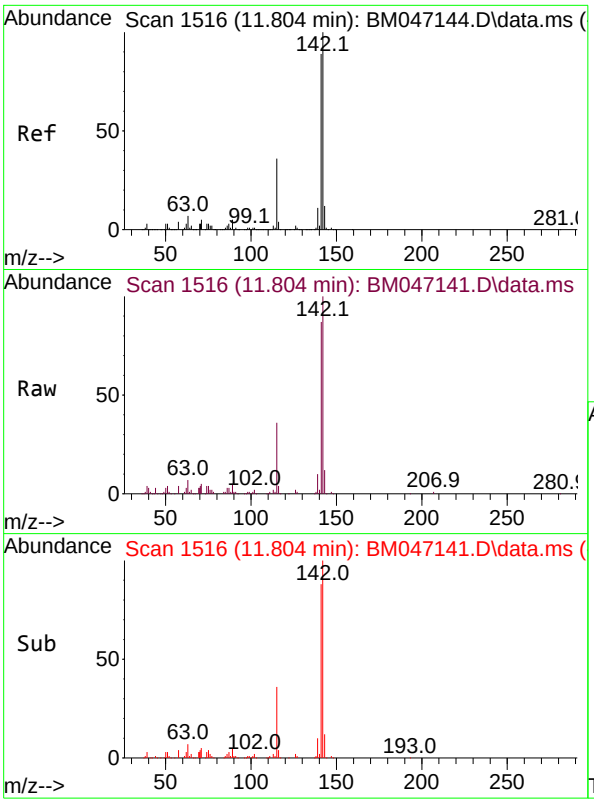


#36
4-Chloro-3-methylphenol
Concen: 4.882 ng
RT: 11.451 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:107 Resp: 76286

Ion	Ratio	Lower	Upper
107	100		
144	27.6	21.8	32.6
142	77.3	66.8	100.2



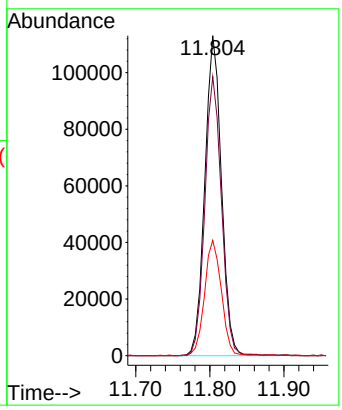


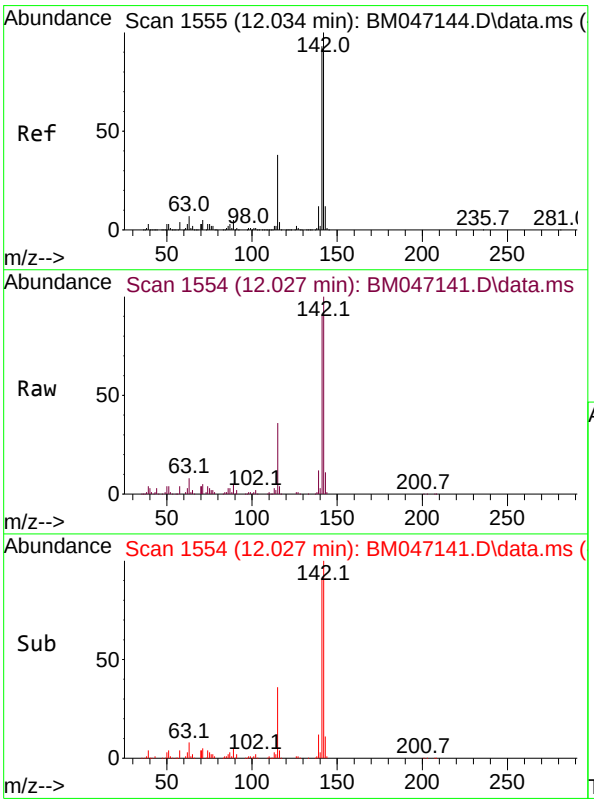
#37
2-Methylnaphthalene
Concen: 5.220 ng
RT: 11.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 176480

Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.9	106.3
115	36.1	28.7	43.1

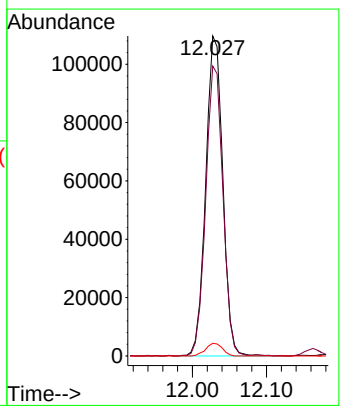


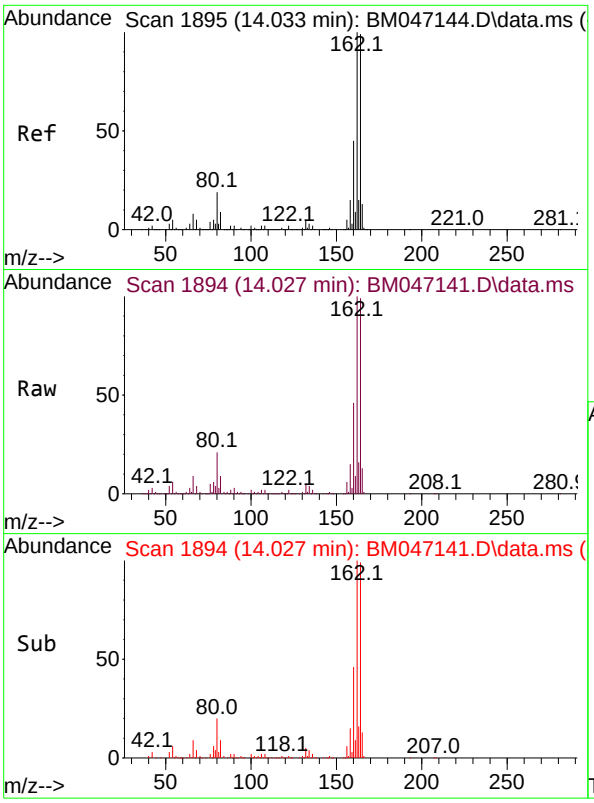


#38
1-Methylnaphthalene
Concen: 5.255 ng
RT: 12.027 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:142 Resp: 175570

Ion	Ratio	Lower	Upper
142	100		
141	90.6	74.6	111.8
116	4.0	3.1	4.7



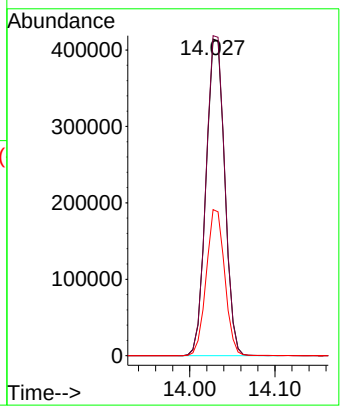


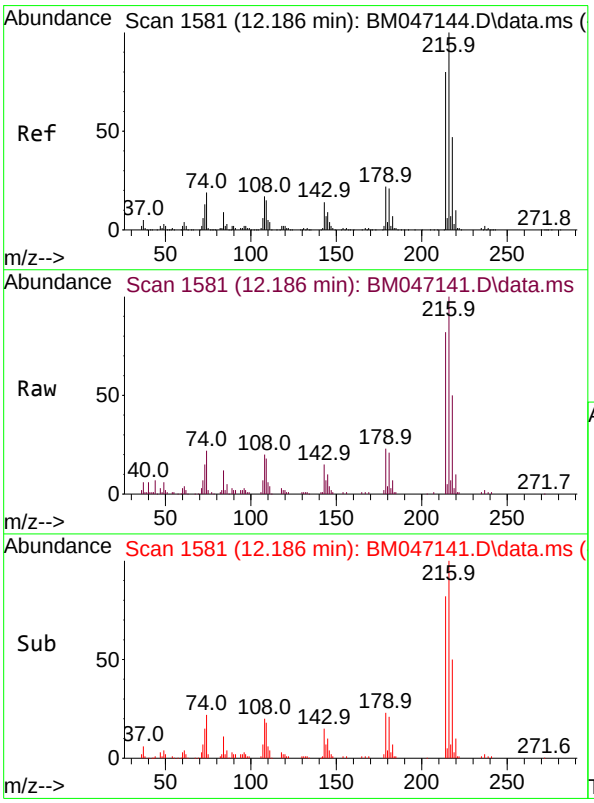
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 629995

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.7	121.1
160	46.1	36.0	54.0

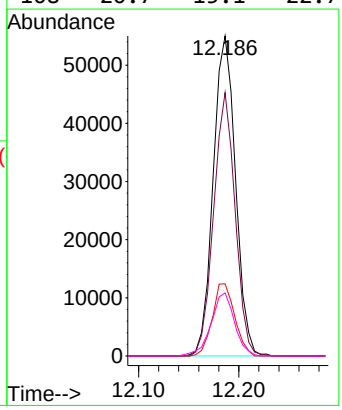


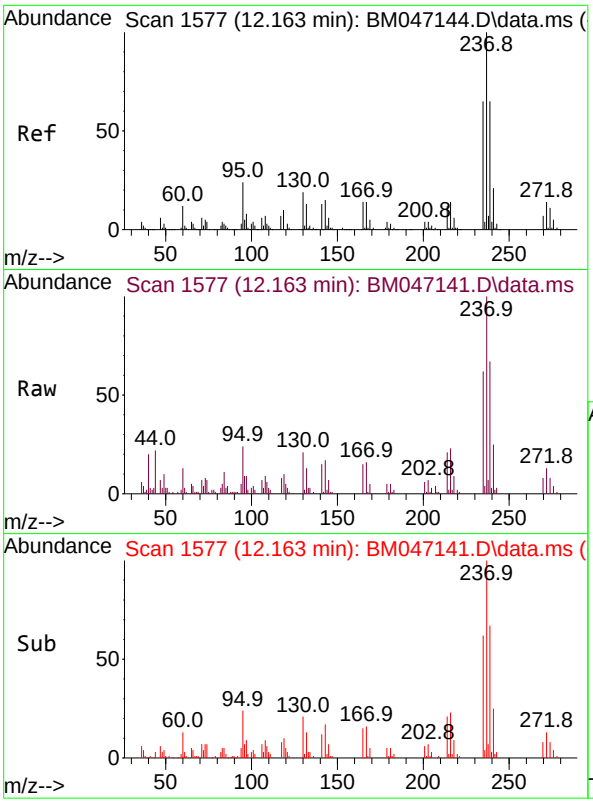


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.941 ng
RT: 12.186 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:216 Resp: 84909

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.4	95.2
179	22.6	17.6	26.4
108	20.7	15.1	22.7



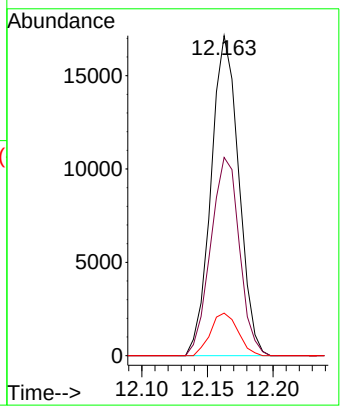


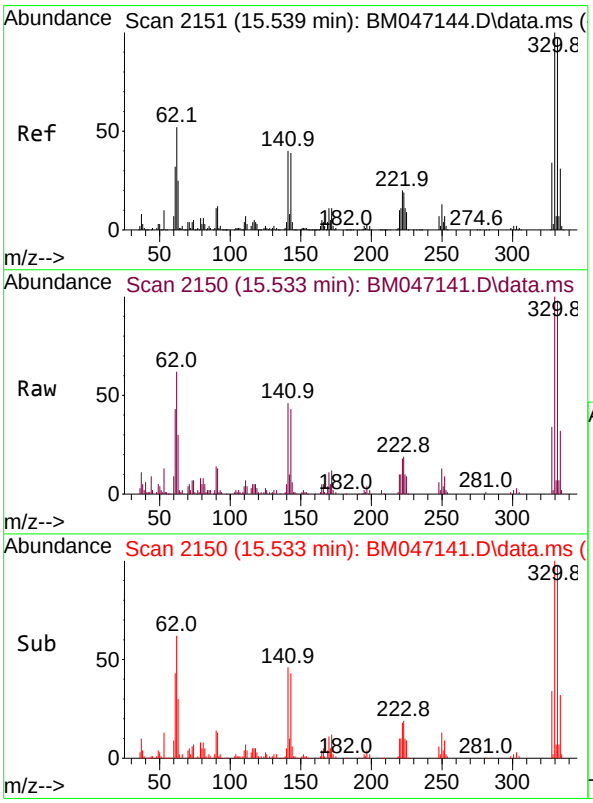
#41
Hexachlorocyclopentadiene
Concen: 4.195 ng
RT: 12.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 25169

Ion	Ratio	Lower	Upper
237	100		
235	62.0	44.8	84.8
272	13.3	0.0	33.5

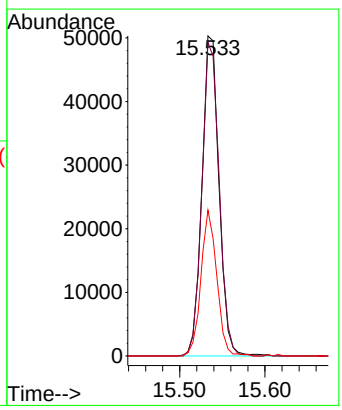


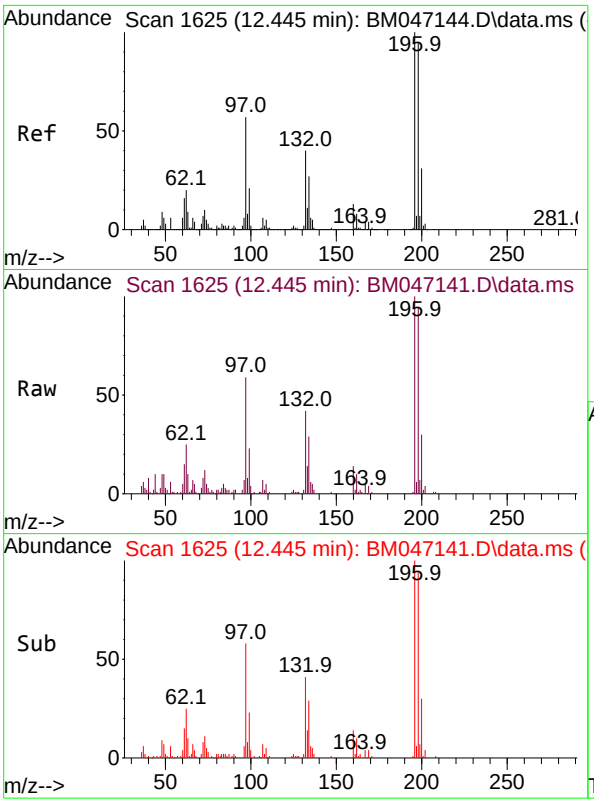


#42
2,4,6-Tribromophenol
Concen: 9.593 ng
RT: 15.533 min Scan# 2150
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:330 Resp: 70075

Ion	Ratio	Lower	Upper
330	100		
332	98.9	77.4	116.2
141	42.2	31.6	47.4



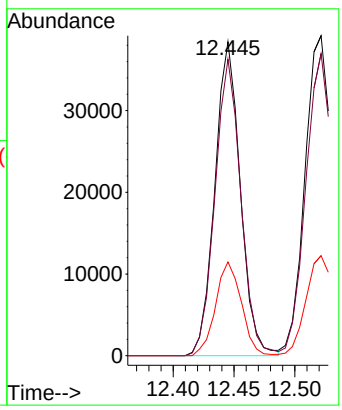


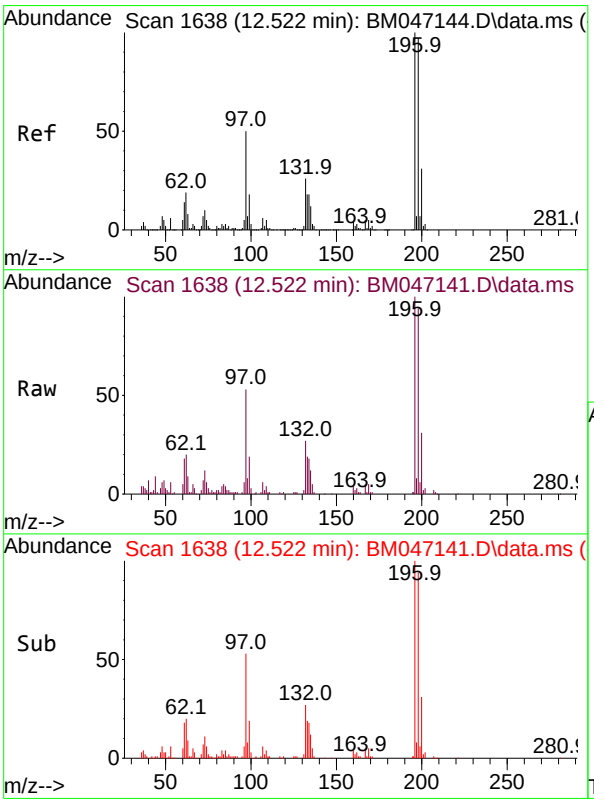
#43
2,4,6-Trichlorophenol
Concen: 4.582 ng
RT: 12.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 55962

Ion	Ratio	Lower	Upper
196	100		
198	94.4	75.6	113.4
200	29.9	24.6	37.0

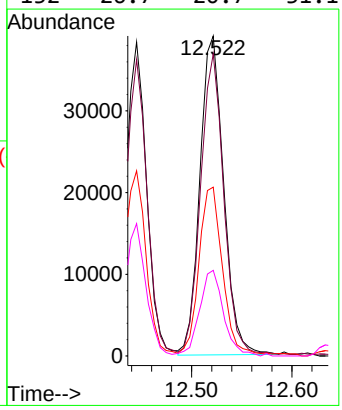


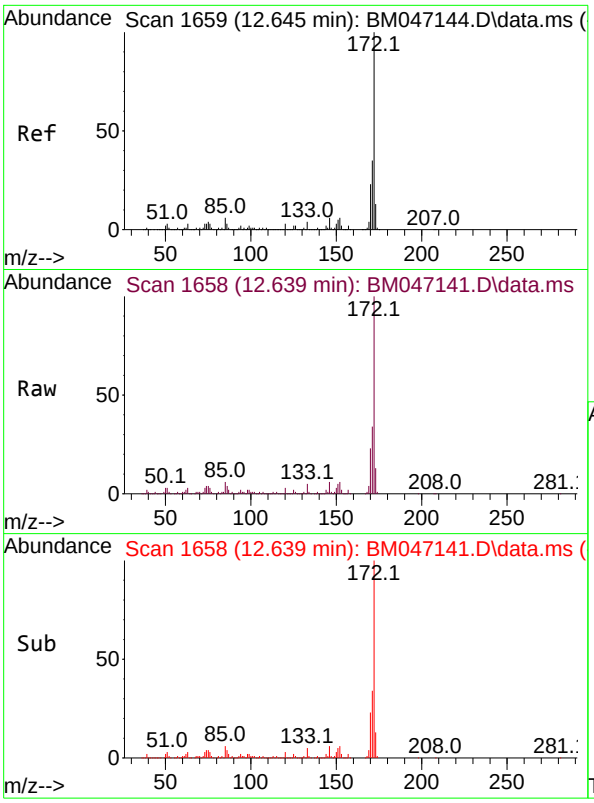


#44
2,4,5-Trichlorophenol
Concen: 4.765 ng
RT: 12.522 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:196 Resp: 64621

Ion	Ratio	Lower	Upper
196	100		
198	94.4	77.7	116.5
97	52.8	39.8	59.8
132	26.7	20.7	31.1



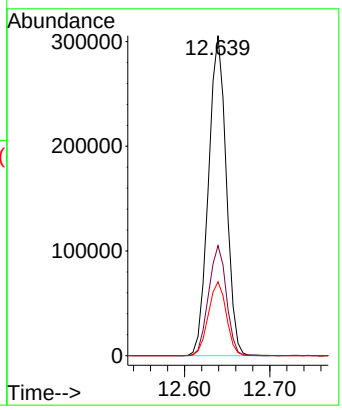


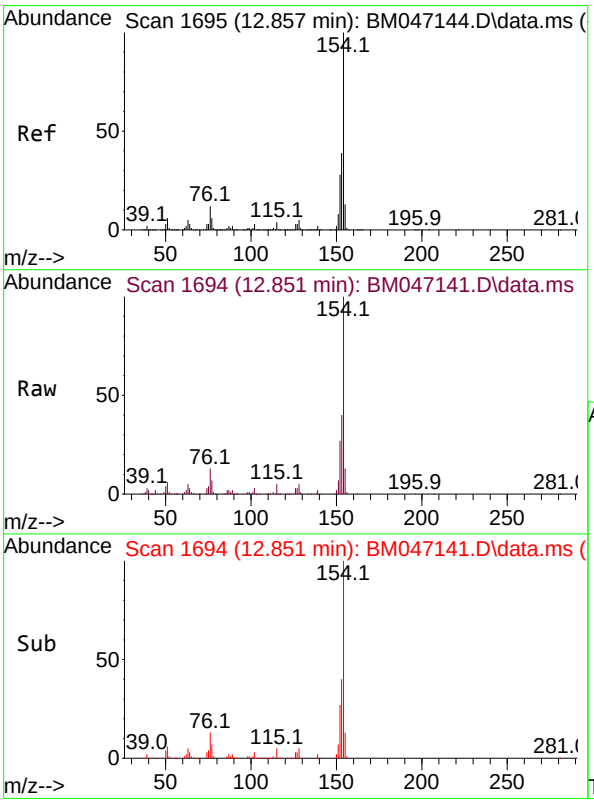
#45
2-Fluorobiphenyl
Concen: 10.847 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 442999

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.8	41.6
170	23.1	18.7	28.1

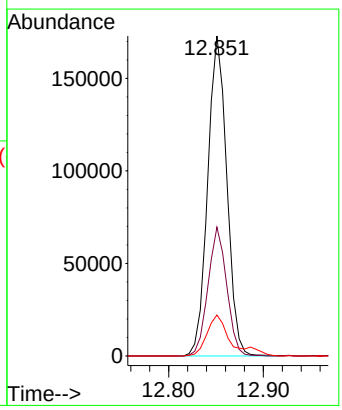


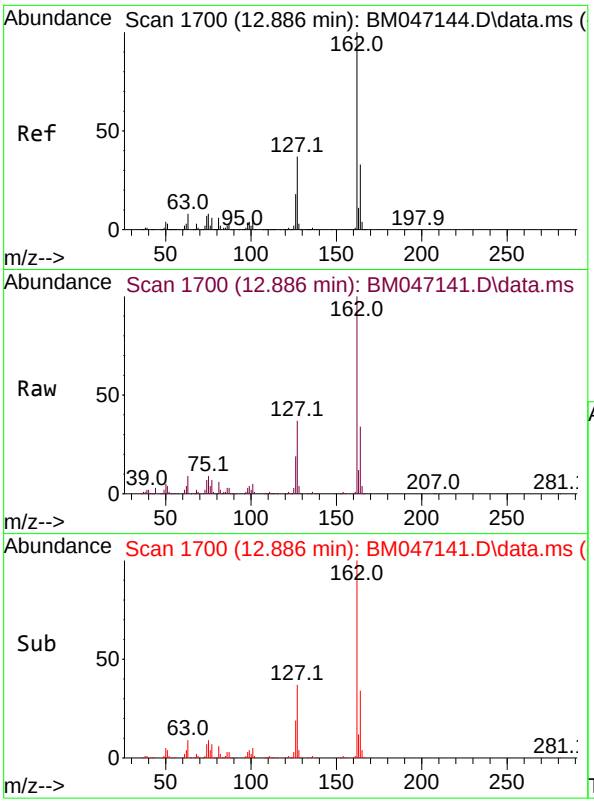


#46
1,1'-Biphenyl
Concen: 5.400 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:154 Resp: 242201

Ion	Ratio	Lower	Upper
154	100		
153	40.2	19.0	59.0
76	12.8	0.0	31.9



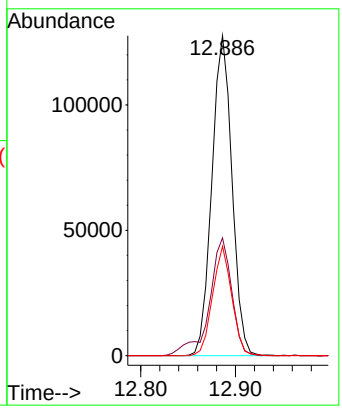


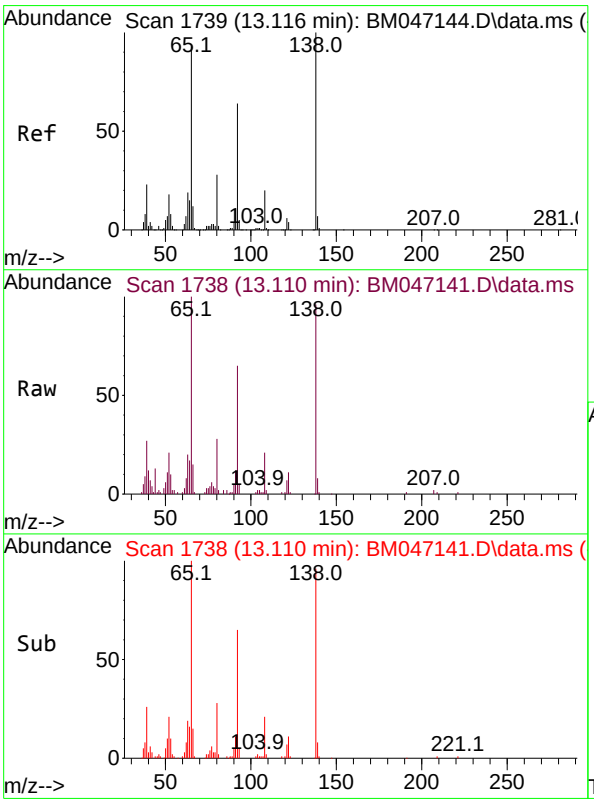
#47
2-Chloronaphthalene
Concen: 5.380 ng
RT: 12.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 188590

Ion	Ratio	Lower	Upper
162	100		
127	36.8	30.0	45.0
164	34.2	26.3	39.5

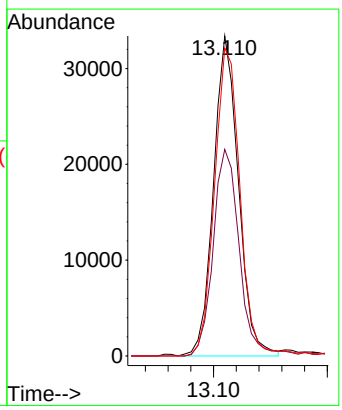


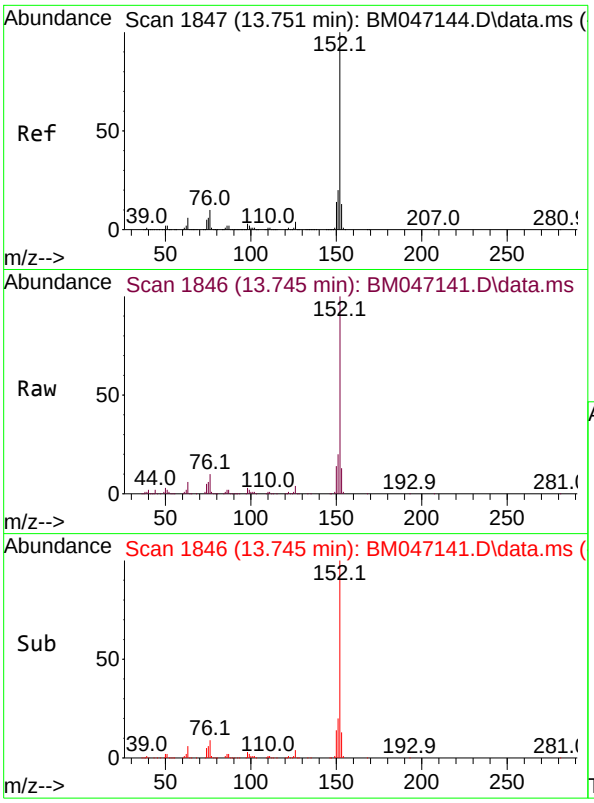


#48
2-Nitroaniline
Concen: 4.632 ng
RT: 13.110 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion: 65 Resp: 50873

Ion	Ratio	Lower	Upper
65	100		
92	64.6	55.1	82.7
138	96.3	85.9	128.9



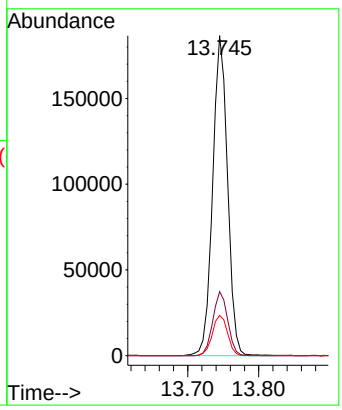


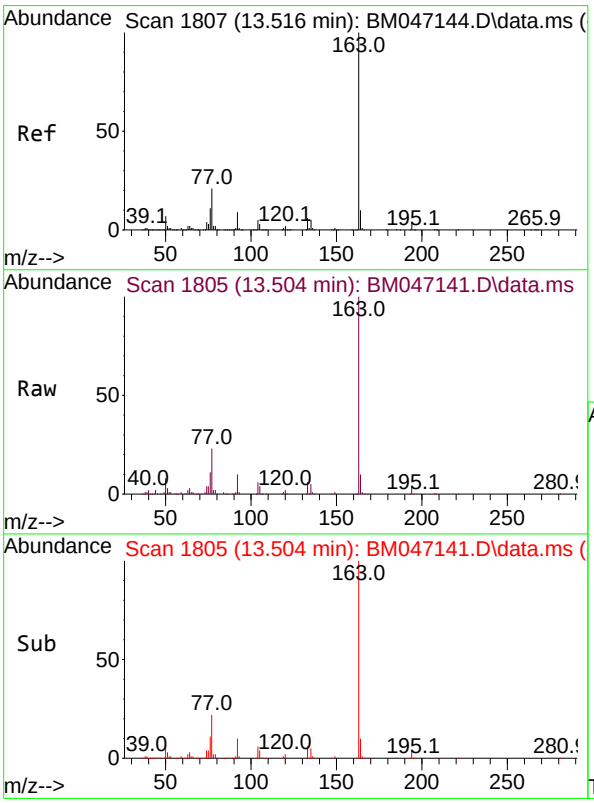
#49
Acenaphthylene
Concen: 5.238 ng
RT: 13.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 270677

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	12.6	10.4	15.6

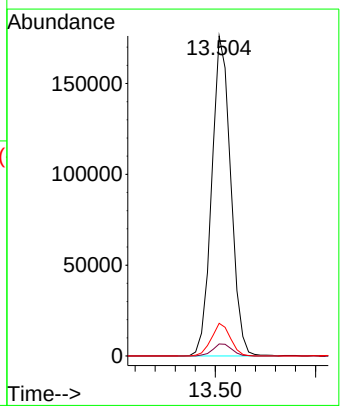


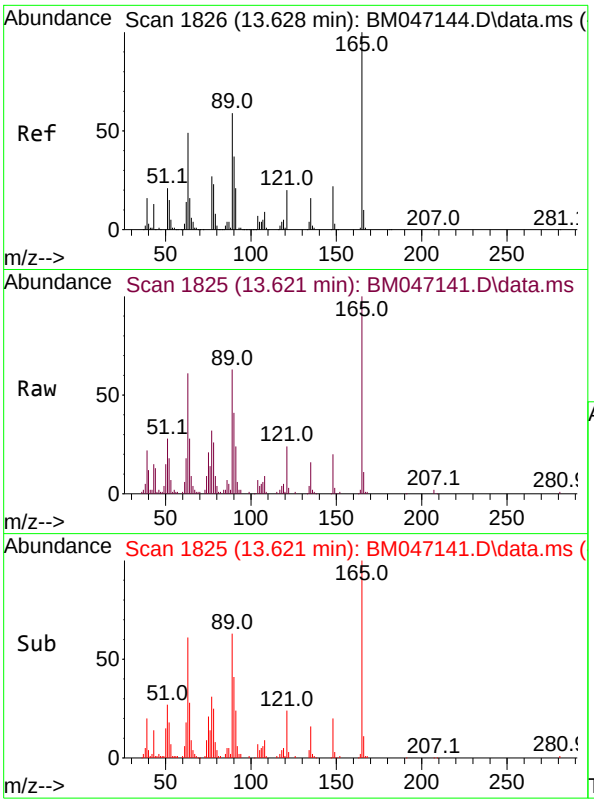


#50
Dimethylphthalate
Concen: 5.268 ng
RT: 13.504 min Scan# 1805
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:163 Resp: 231786

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.2	8.0	12.0



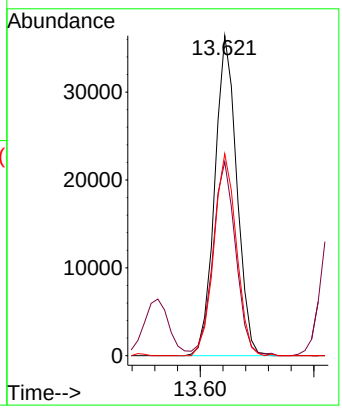


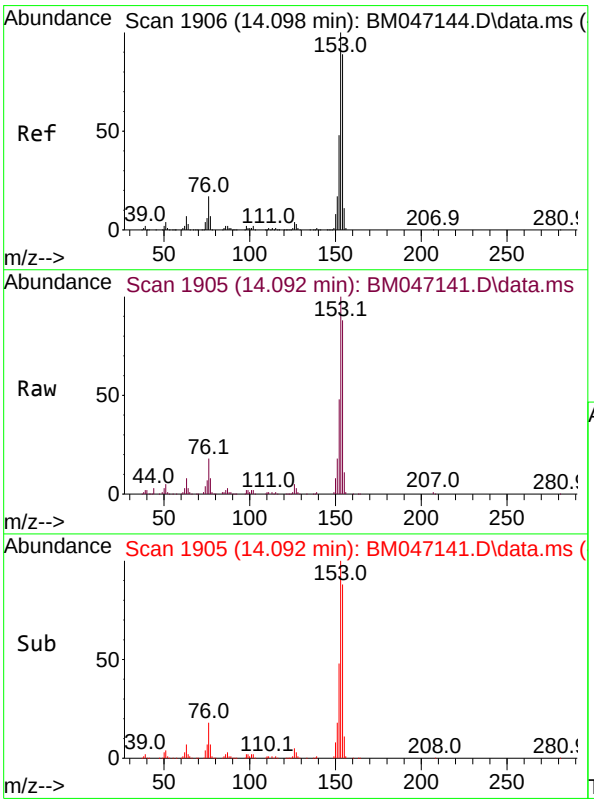
#51
2,6-Dinitrotoluene
Concen: 4.764 ng
RT: 13.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 49002

Ion	Ratio	Lower	Upper
165	100		
63	60.6	46.5	69.7
89	63.1	47.3	70.9

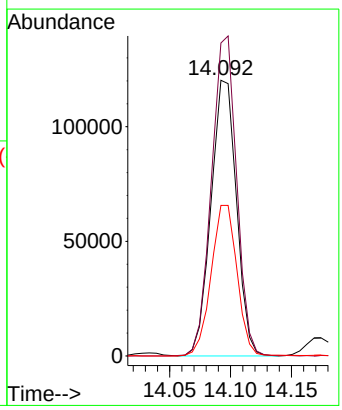


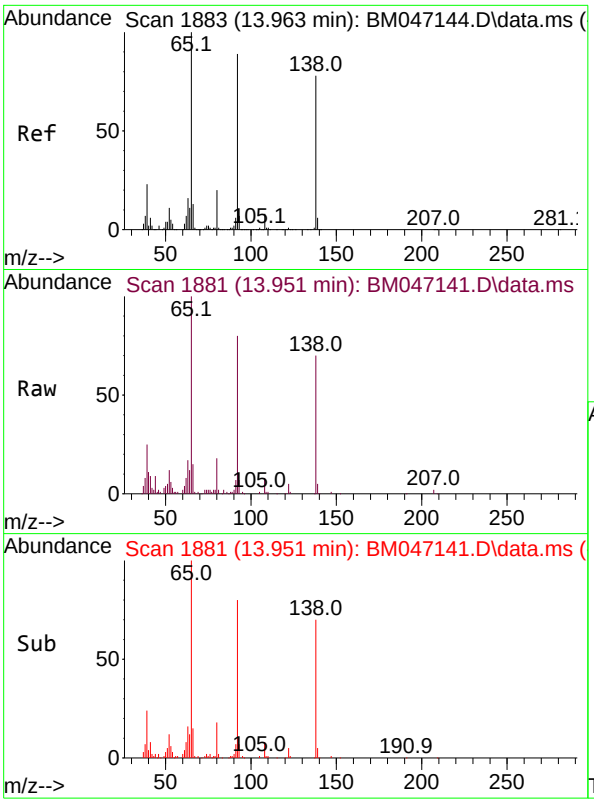


#52
Acenaphthene
Concen: 5.355 ng
RT: 14.092 min Scan# 1905
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:154 Resp: 175534

Ion	Ratio	Lower	Upper
154	100		
153	113.5	90.3	135.5
152	54.6	42.9	64.3



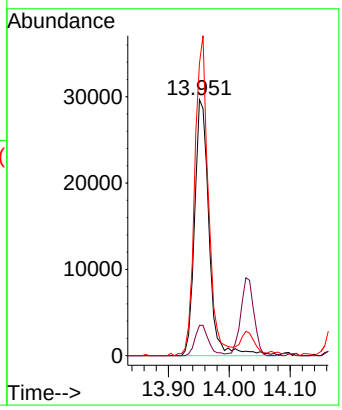


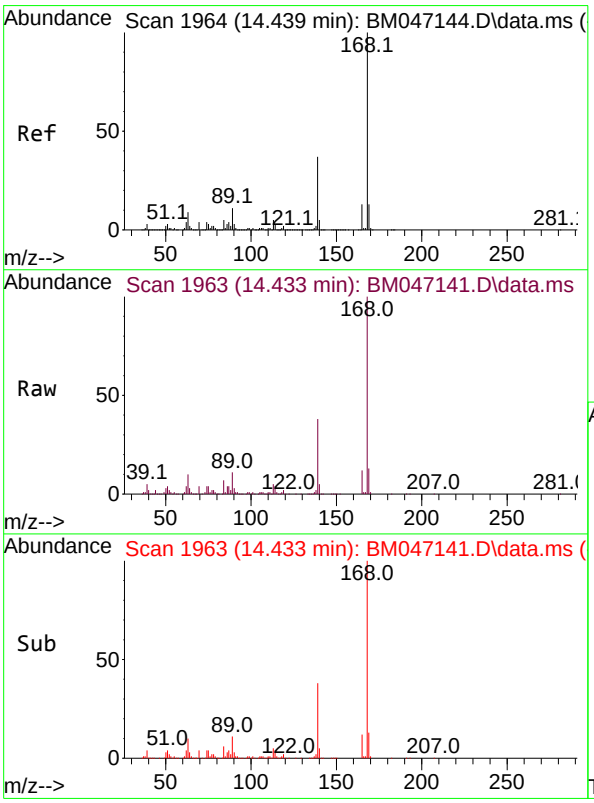
#53
3-Nitroaniline
Concen: 4.734 ng
RT: 13.951 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 48787

Ion	Ratio	Lower	Upper
138	100		
108	11.8	7.9	11.9
92	114.2	92.0	138.0

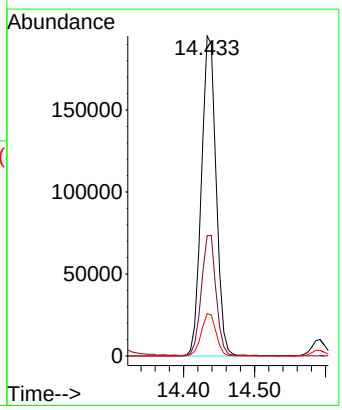


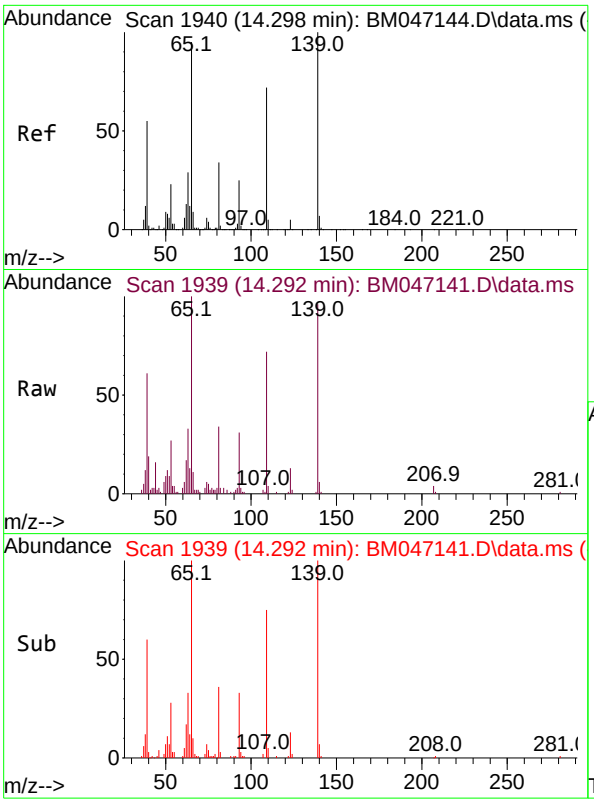


#55
Dibenzofuran
Concen: 5.444 ng
RT: 14.433 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:168 Resp: 281866

Ion	Ratio	Lower	Upper
168	100		
139	37.6	29.6	44.4
169	13.3	10.7	16.1



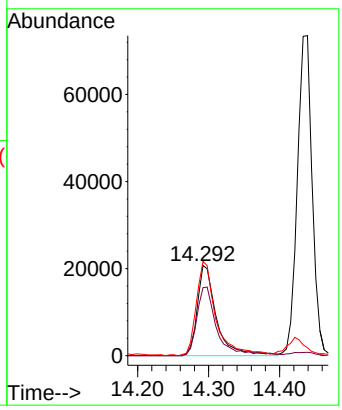


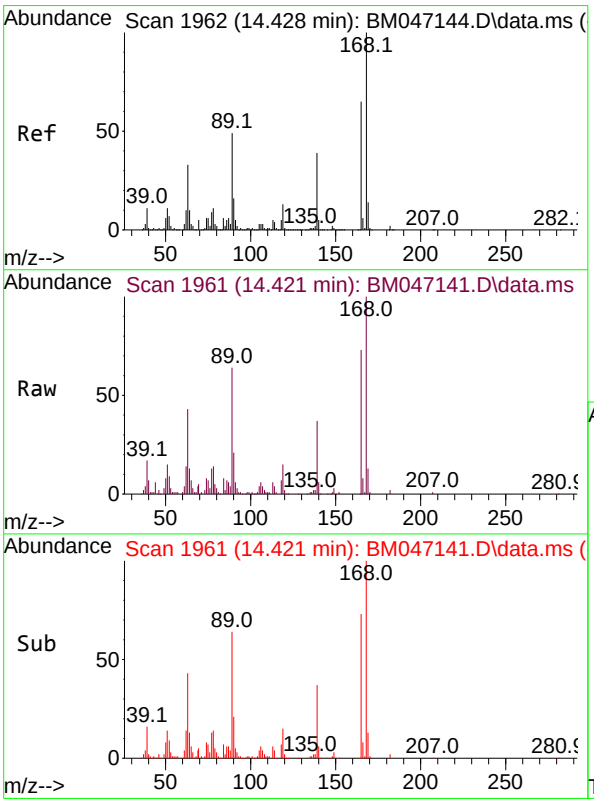
#56
4-Nitrophenol
Concen: 4.374 ng
RT: 14.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:139 Resp: 38873

Ion	Ratio	Lower	Upper
139	100		
109	75.4	52.5	92.5
65	104.4	75.4	115.4

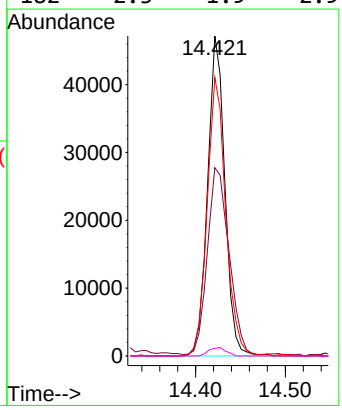


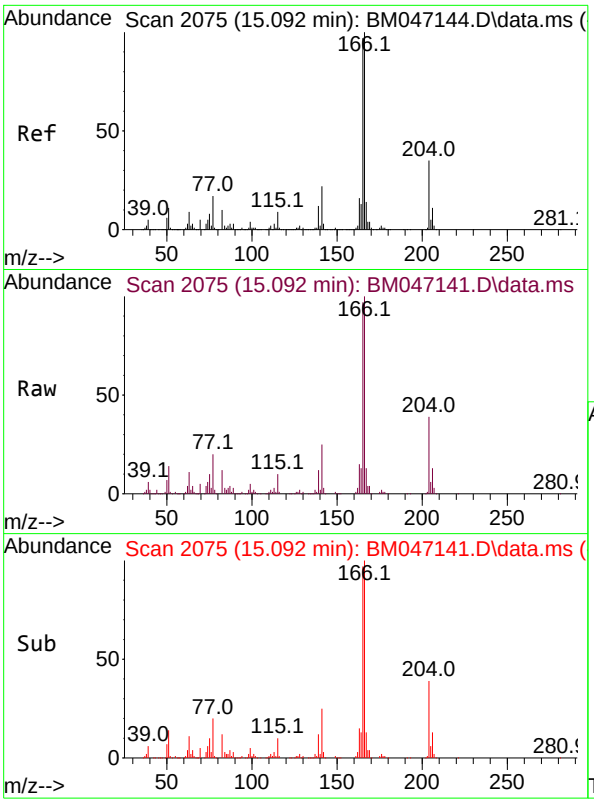


#57
2,4-Dinitrotoluene
Concen: 4.589 ng
RT: 14.421 min Scan# 1961
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:165 Resp: 63007

Ion	Ratio	Lower	Upper
165	100		
63	58.9	40.3	60.5
89	87.0	61.0	91.6
182	2.3	1.9	2.9



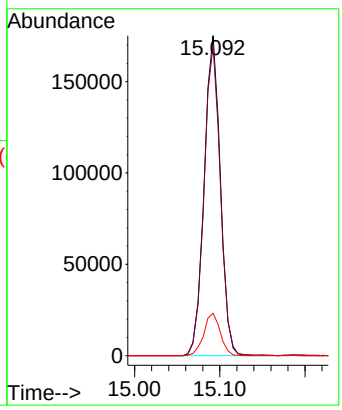


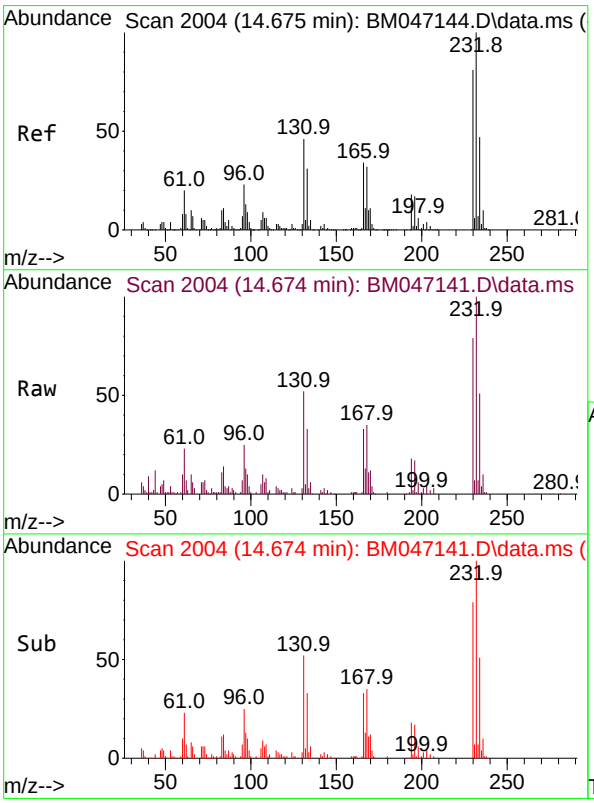
#58
Fluorene
Concen: 5.418 ng
RT: 15.092 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 231431

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.4	116.0
167	13.3	11.0	16.6

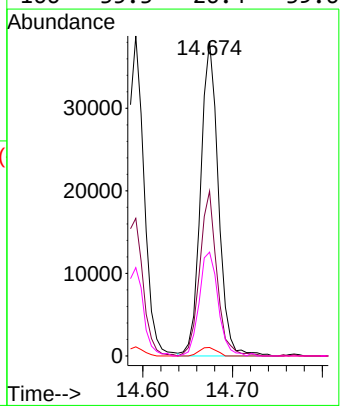


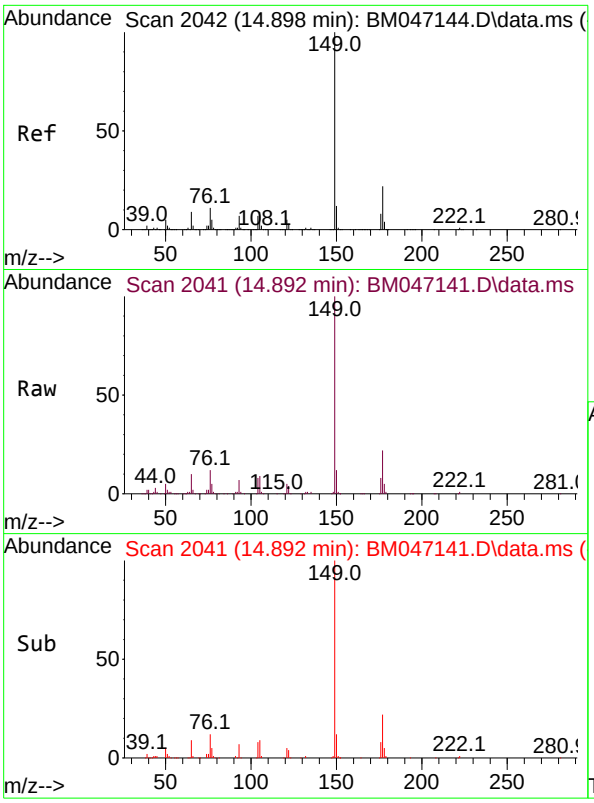


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.710 ng
RT: 14.674 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:232 Resp: 52488

Ion	Ratio	Lower	Upper
232	100		
131	50.7	36.9	55.3
130	2.6	2.0	3.0
166	35.3	26.4	39.6



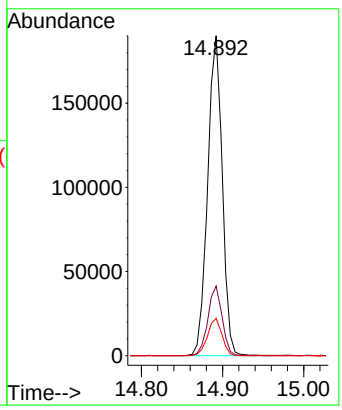


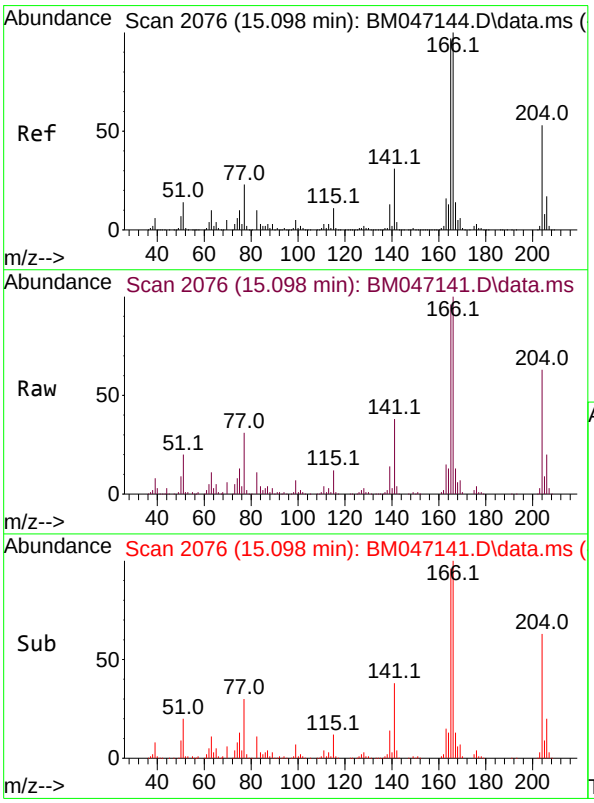
#60
Diethylphthalate
Concen: 5.274 ng
RT: 14.892 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 236973

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.6	26.4
150	11.6	9.8	14.6

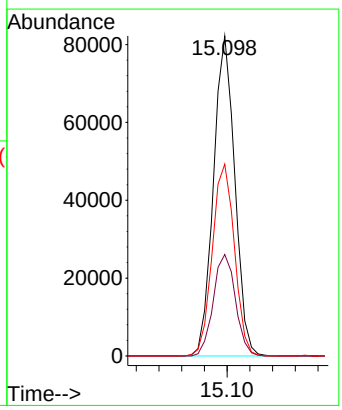


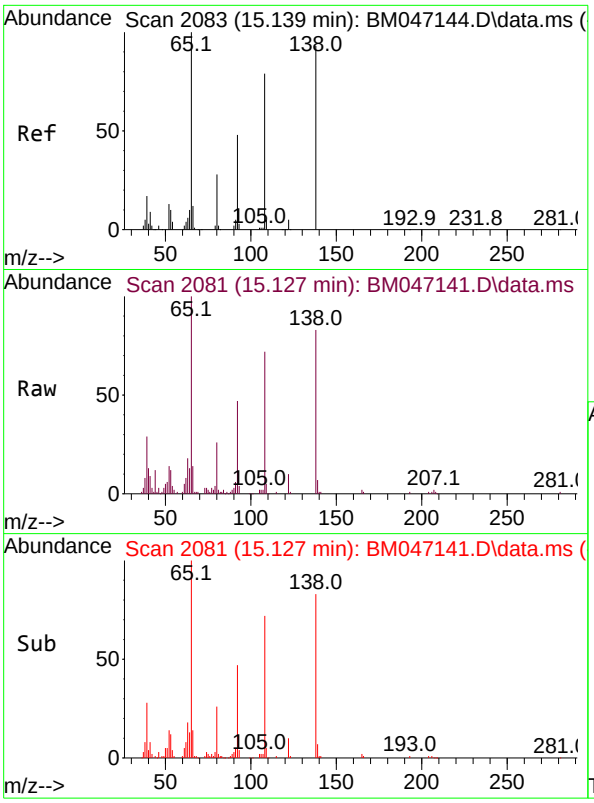


#61
4-Chlorophenyl-phenylether
Concen: 5.274 ng
RT: 15.098 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:204 Resp: 107266

Ion	Ratio	Lower	Upper
204	100		
206	31.7	26.2	39.4
141	60.0	47.2	70.8



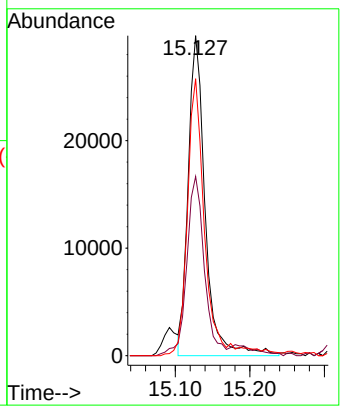


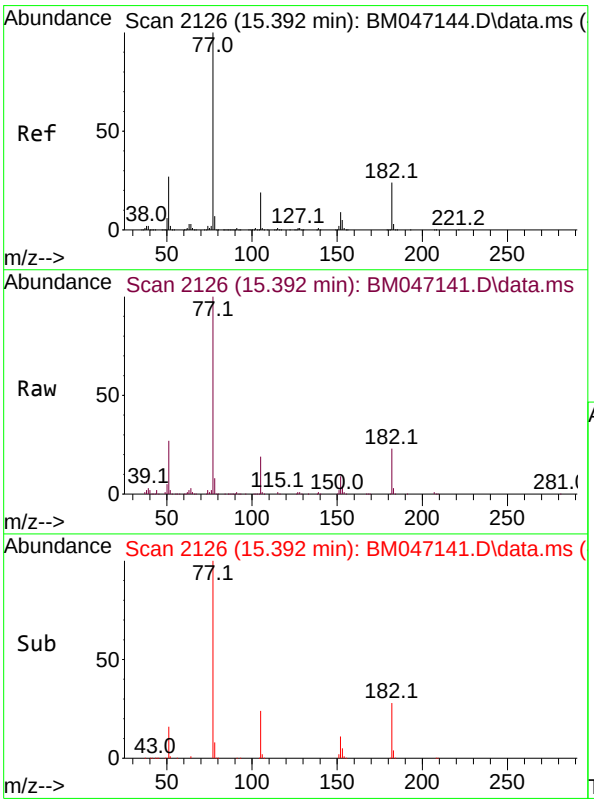
#62
4-Nitroaniline
Concen: 4.656 ng m
RT: 15.127 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 47275

Ion	Ratio	Lower	Upper
138	100		
92	56.0	31.9	71.9
108	86.6	63.8	103.8

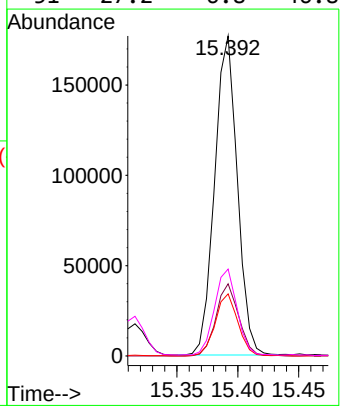


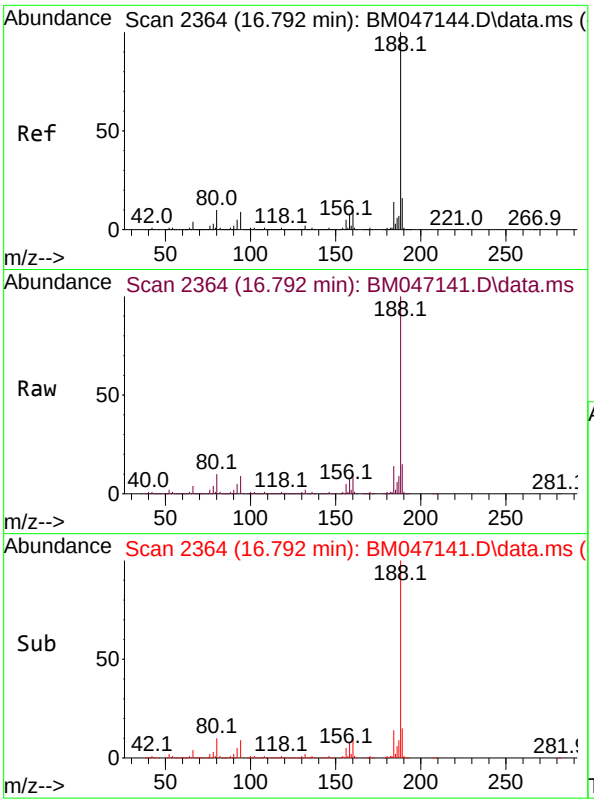


#63
Azobenzene
Concen: 5.378 ng
RT: 15.392 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion: 77 Resp: 229119

Ion	Ratio	Lower	Upper
77	100		
182	22.5	3.8	43.8
105	19.4	0.0	39.5
51	27.2	6.8	46.8



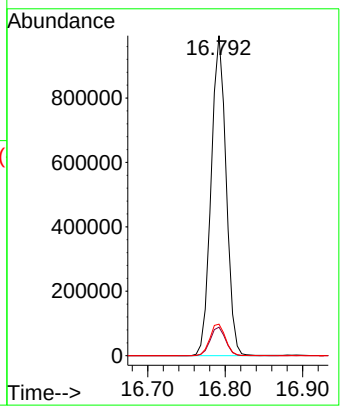


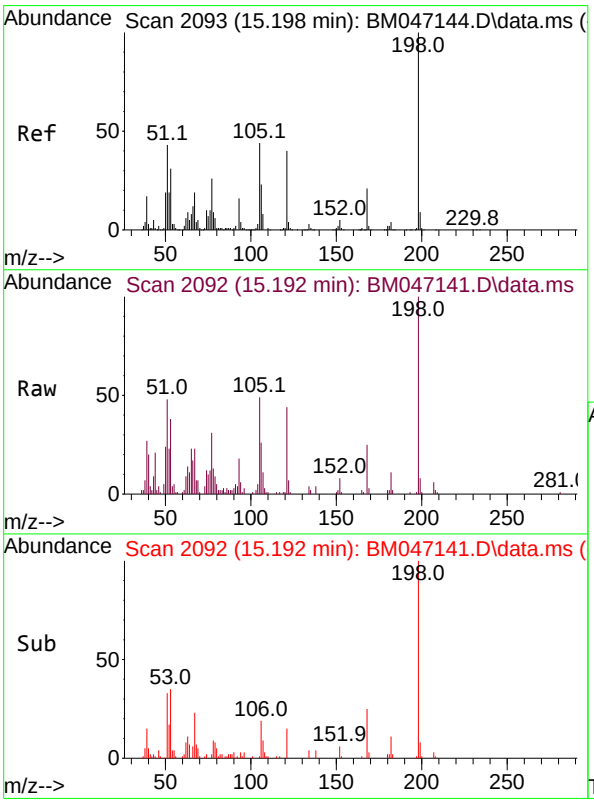
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 1336137

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.0	10.6
80	9.9	8.0	12.0

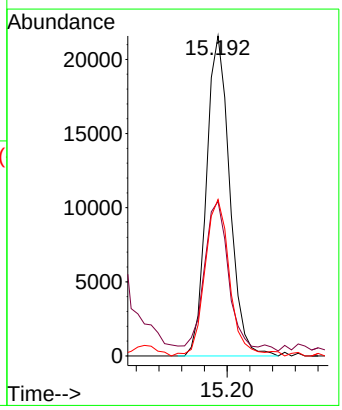


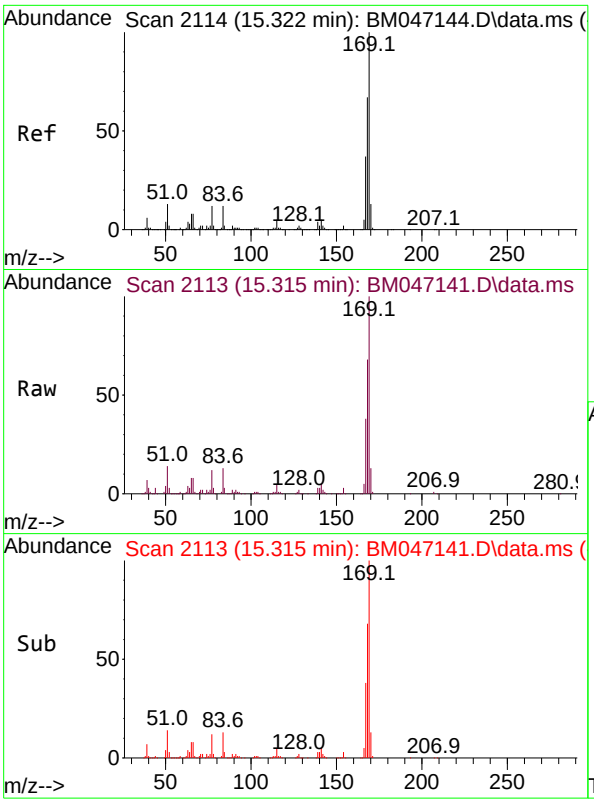


#65
4,6-Dinitro-2-methylphenol
Concen: 3.916 ng
RT: 15.192 min Scan# 2092
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:198 Resp: 30637

Ion	Ratio	Lower	Upper
198	100		
51	48.3	23.9	63.9
105	48.9	24.3	64.3



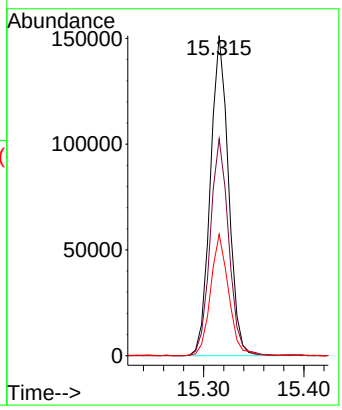


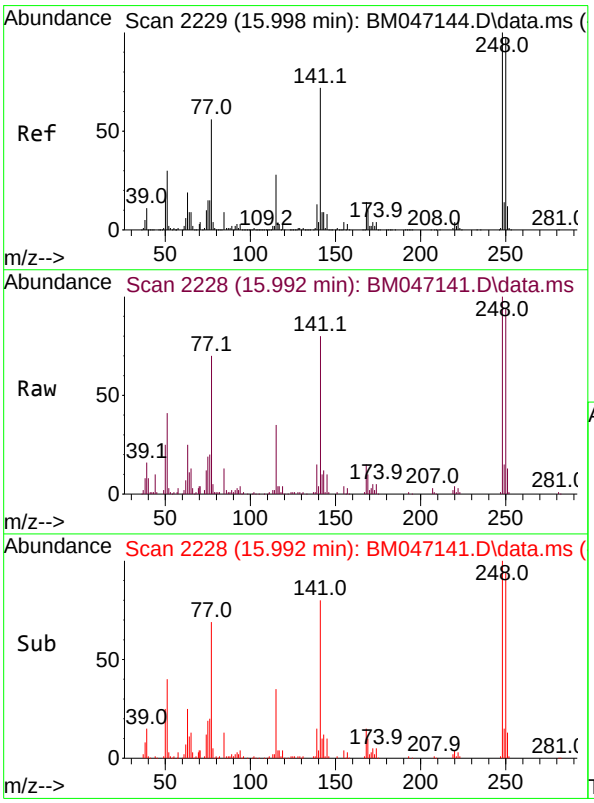
#66
n-Nitrosodiphenylamine
Concen: 5.231 ng
RT: 15.315 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:169 Resp: 190365

Ion	Ratio	Lower	Upper
169	100		
168	67.8	53.8	80.8
167	38.0	29.3	43.9

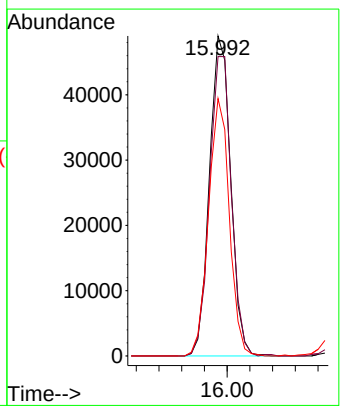


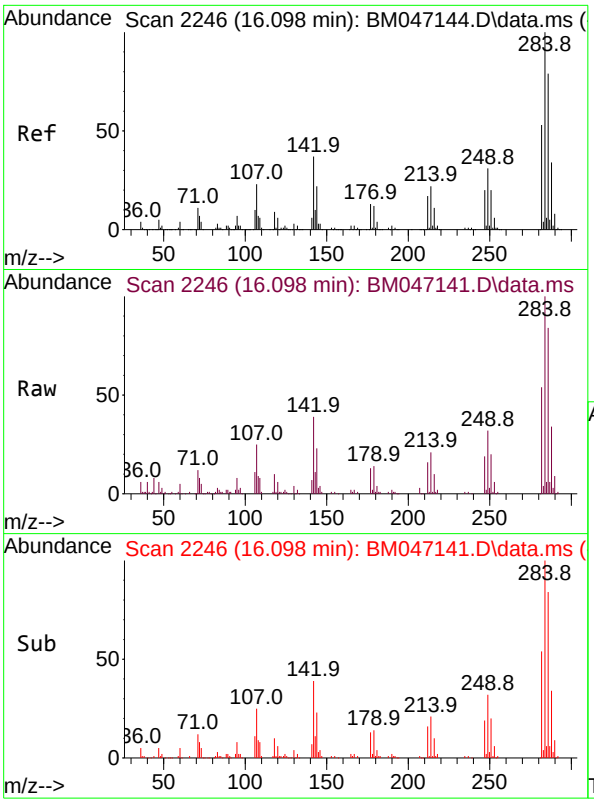


#67
4-Bromophenyl-phenylether
Concen: 4.937 ng
RT: 15.992 min Scan# 2228
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:248 Resp: 63559

Ion	Ratio	Lower	Upper
248	100		
250	93.5	77.8	116.8
141	80.4	57.7	86.5



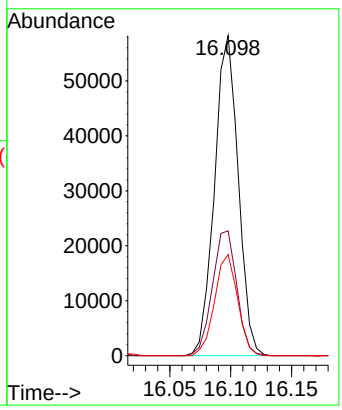


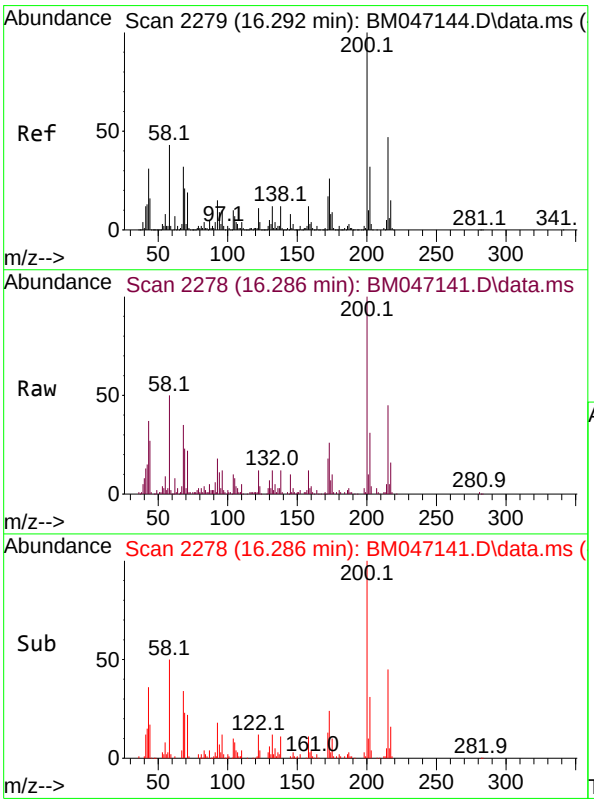
#68
Hexachlorobenzene
Concen: 5.114 ng
RT: 16.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:284 Resp: 78852

Ion	Ratio	Lower	Upper
284	100		
142	39.0	29.4	44.0
249	31.6	25.1	37.7

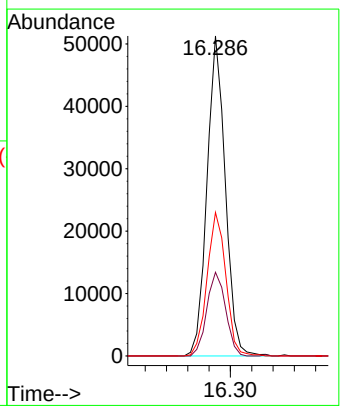


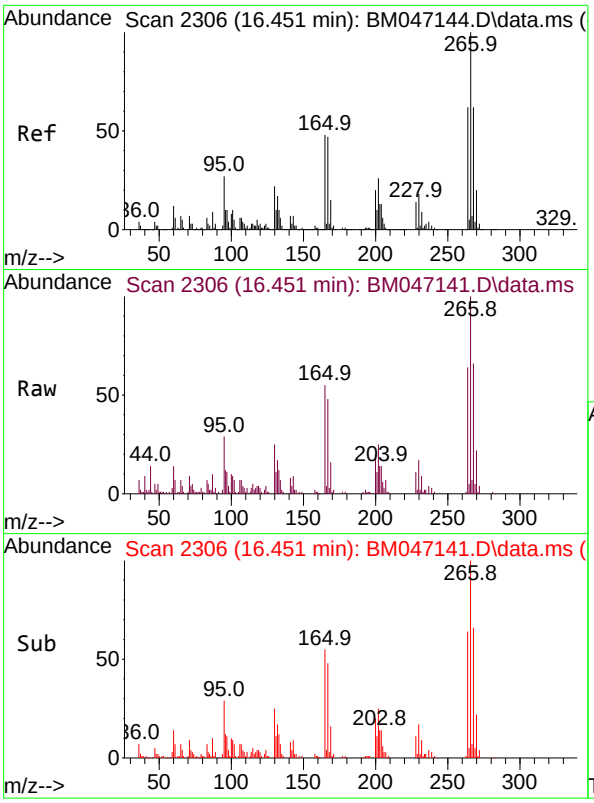


#69
Atrazine
Concen: 5.568 ng
RT: 16.286 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:200 Resp: 60979

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.1	46.1
215	44.9	26.8	66.8



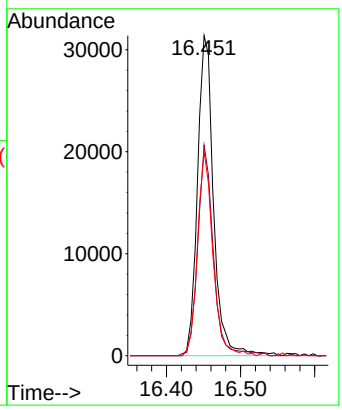


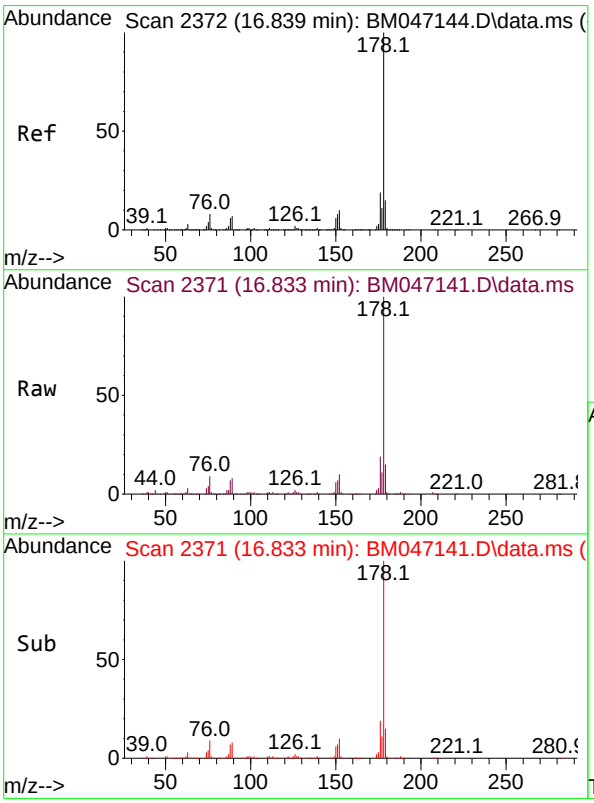
#70
Pentachlorophenol
Concen: 4.362 ng
RT: 16.451 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:266 Resp: 47145

Ion	Ratio	Lower	Upper
266	100		
268	65.8	49.8	74.6
264	63.7	49.6	74.4

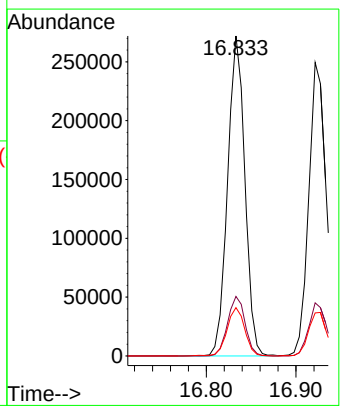


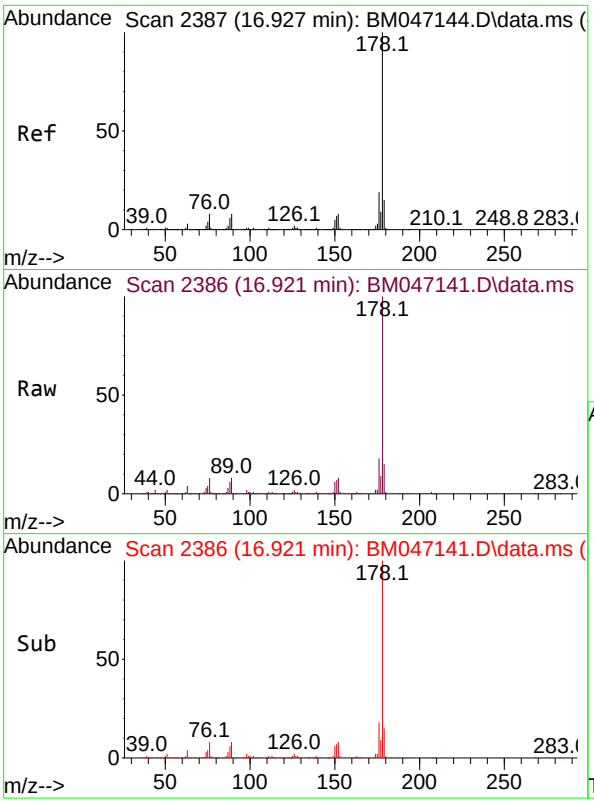


#71
Phenanthrene
Concen: 5.428 ng
RT: 16.833 min Scan# 2371
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:178 Resp: 363970

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.3	22.9
179	15.1	12.4	18.6



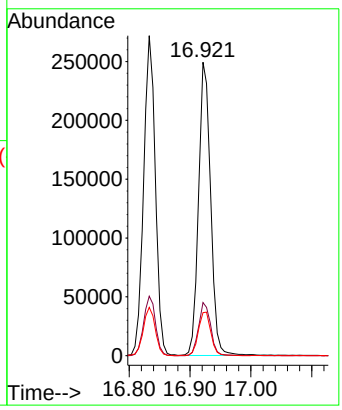


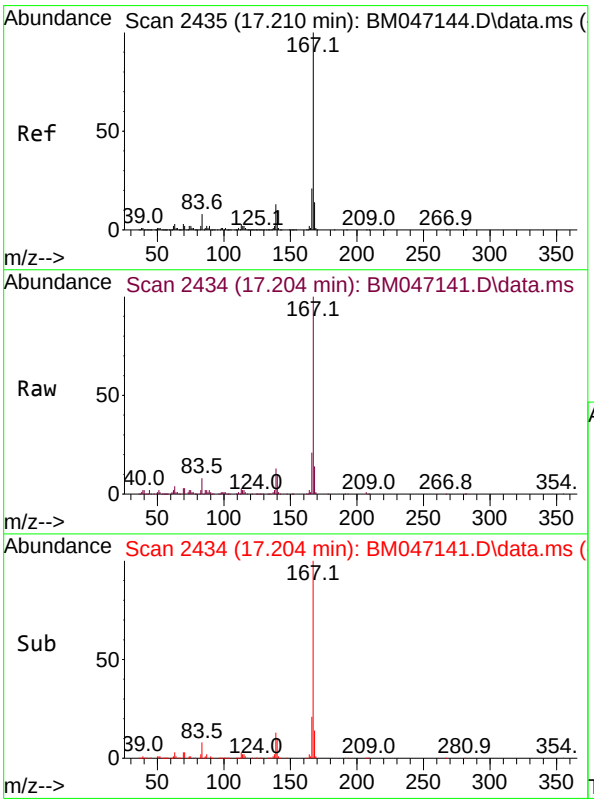
#72
Anthracene
Concen: 5.243 ng
RT: 16.921 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 342081

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.8	22.2
179	14.7	12.4	18.6

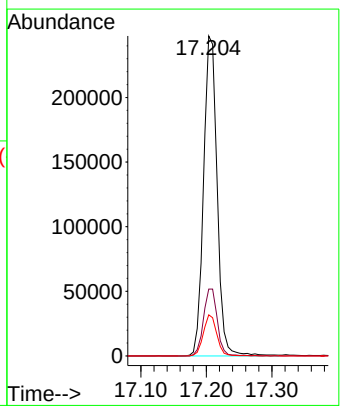


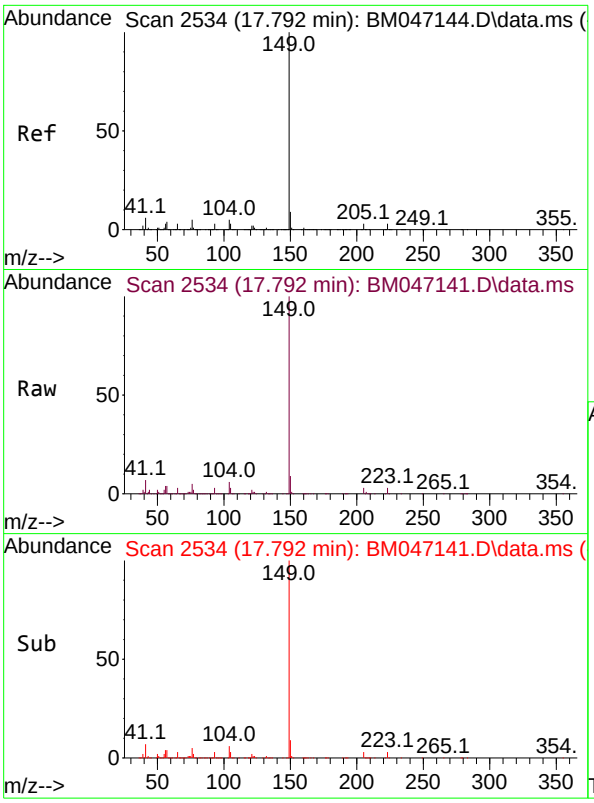


#73
Carbazole
Concen: 5.368 ng
RT: 17.204 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:167 Resp: 357631

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.1	25.7
139	12.9	10.0	15.0



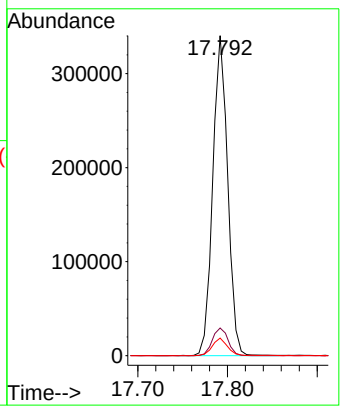


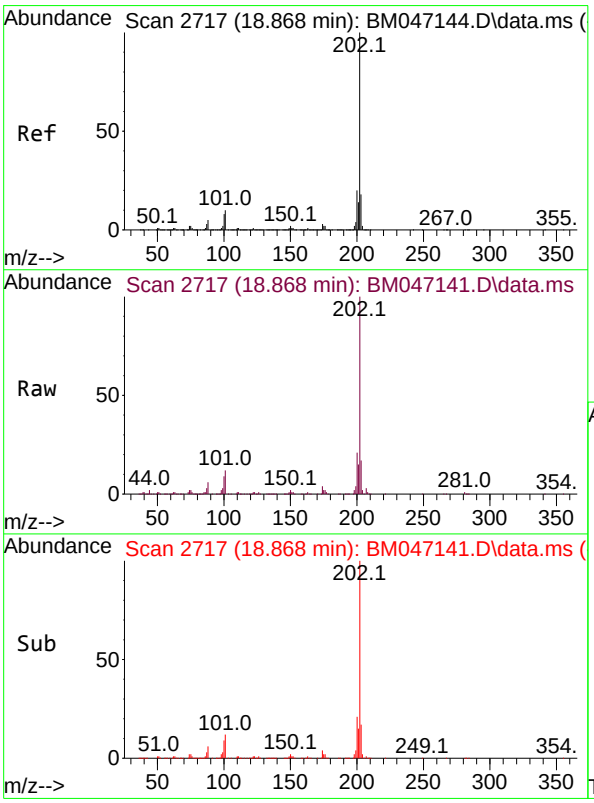
#74
Di-n-butylphthalate
Concen: 5.064 ng
RT: 17.792 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 392569

Ion	Ratio	Lower	Upper
149	100		
150	8.6	7.5	11.3
104	5.5	4.1	6.1

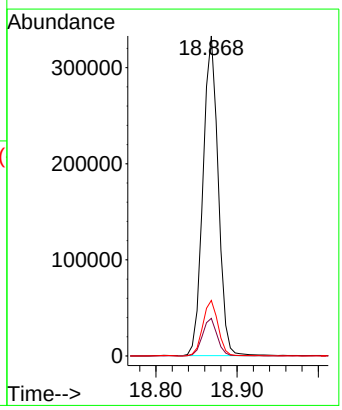


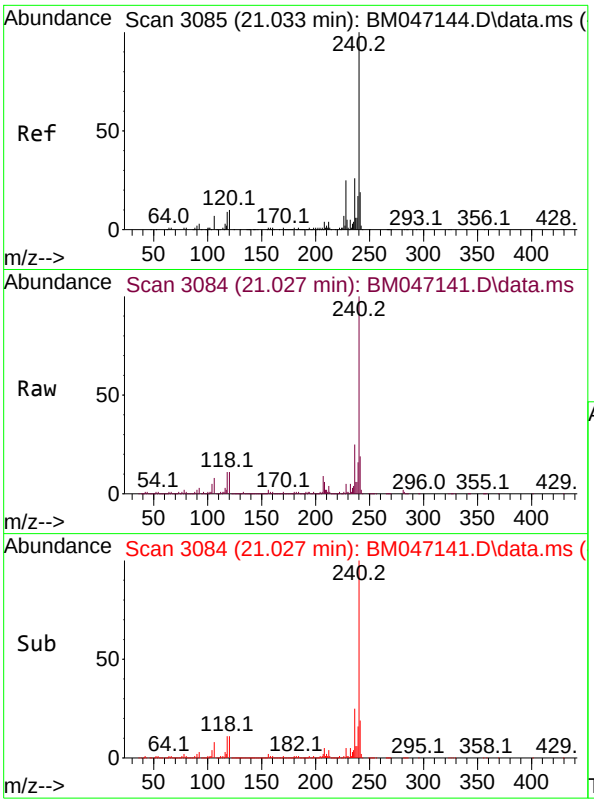


#75
Fluoranthene
Concen: 5.301 ng
RT: 18.868 min Scan# 2717
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:202 Resp: 432338

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	30.2
203	17.4	0.0	37.6



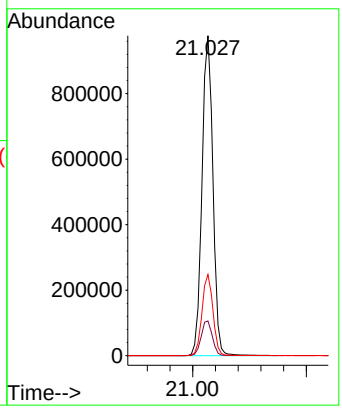


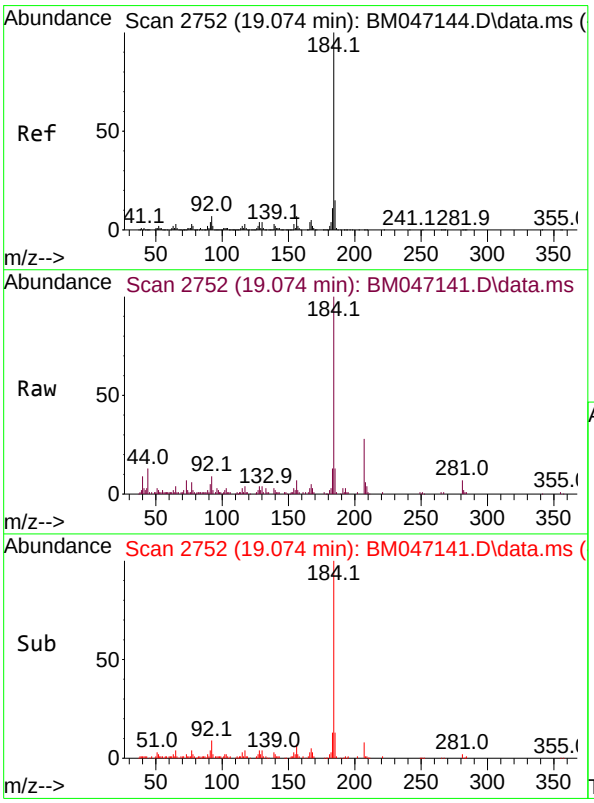
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 1301329

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.2	12.2
236	25.4	20.6	30.8

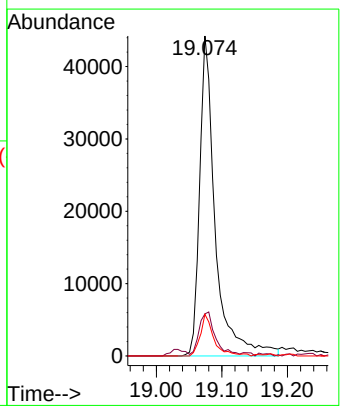


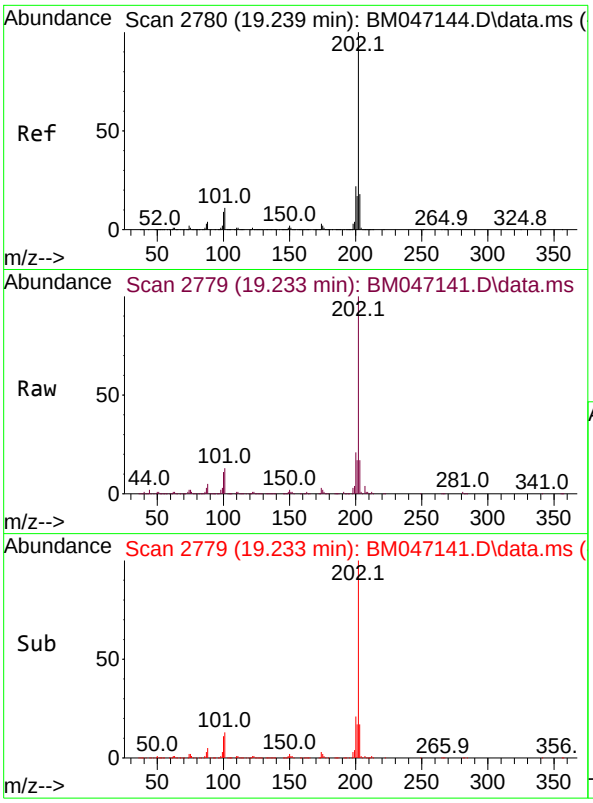


#77
Benzidine
Concen: 3.335 ng
RT: 19.074 min Scan# 2752
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:184 Resp: 73589

Ion	Ratio	Lower	Upper
184	100		
185	13.2	11.8	17.6
183	13.0	9.0	13.6



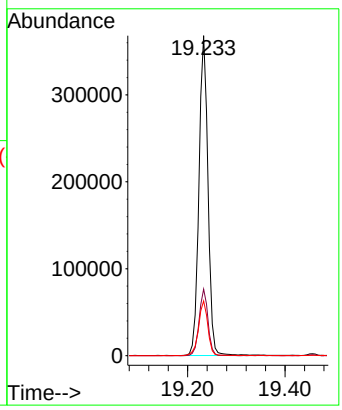


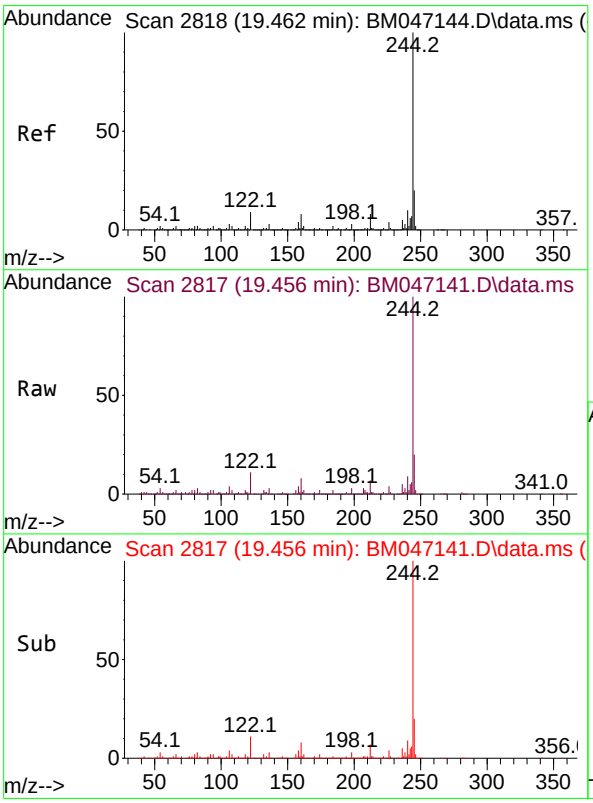
#78
Pyrene
Concen: 5.098 ng
RT: 19.233 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 473702

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.2	25.8
203	17.1	14.2	21.2

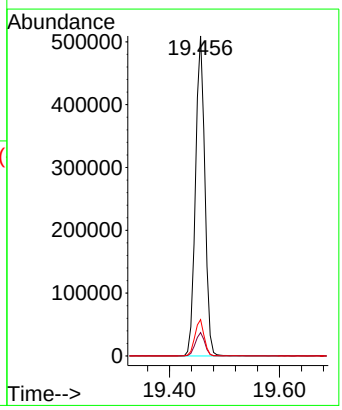


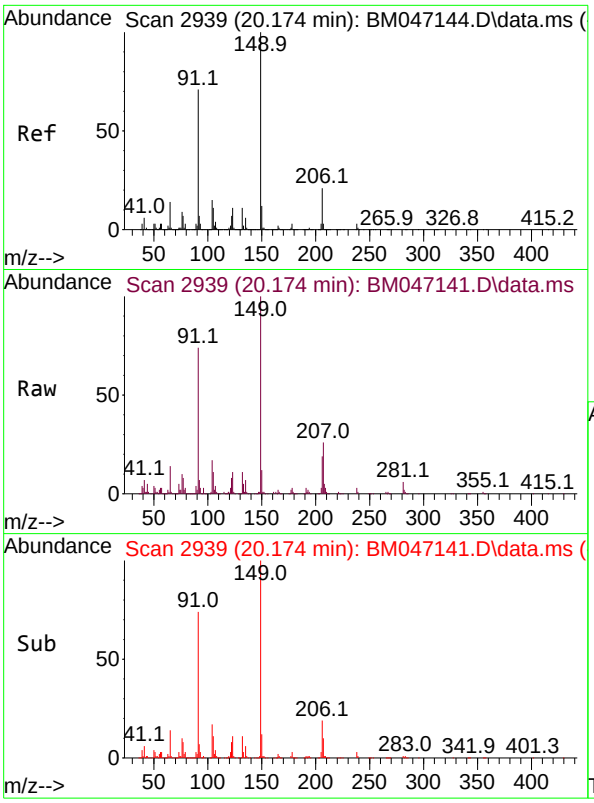


#79
Terphenyl-d14
Concen: 9.901 ng
RT: 19.456 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:244 Resp: 601320

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.4
122	11.3	7.1	10.7#



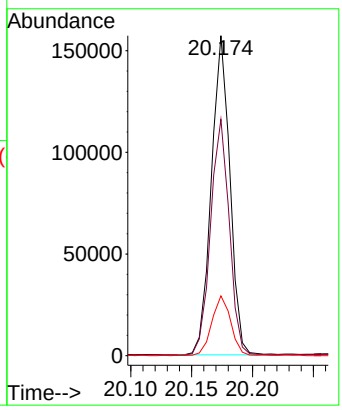


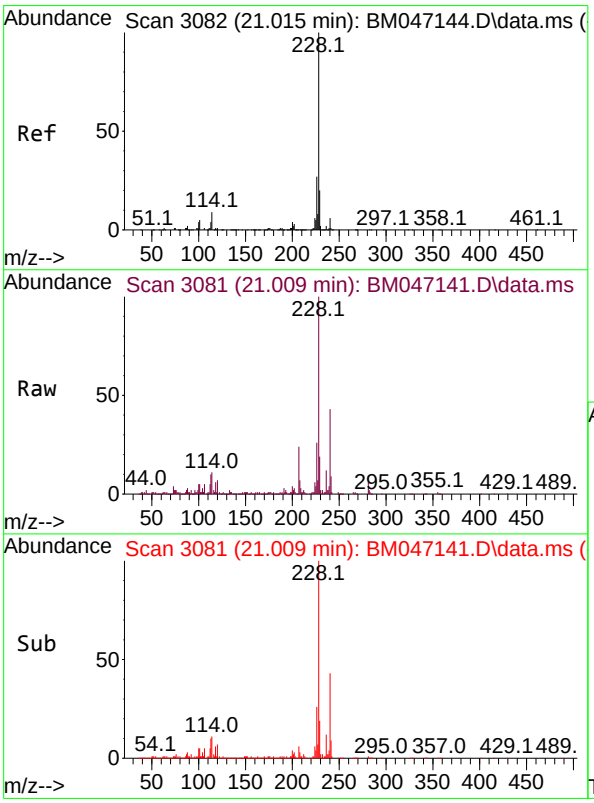
#80
Butylbenzylphthalate
Concen: 4.381 ng
RT: 20.174 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 166134

Ion	Ratio	Lower	Upper
149	100		
91	73.9	57.0	85.4
206	18.7	16.4	24.6

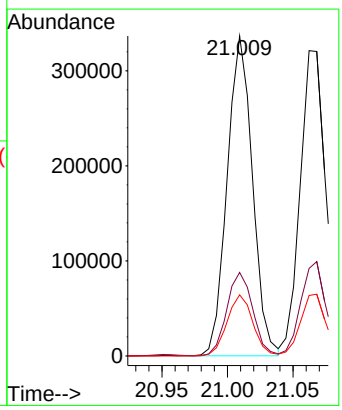


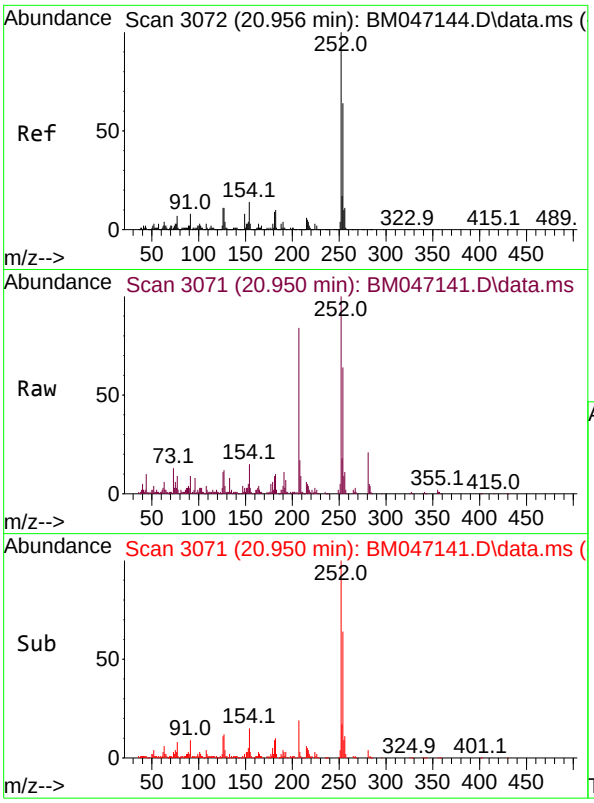


#81
Benzo(a)anthracene
Concen: 5.236 ng
RT: 21.009 min Scan# 3081
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:228 Resp: 452360

Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.8	32.6
229	19.1	15.8	23.8



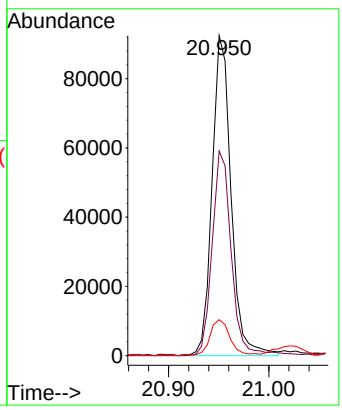


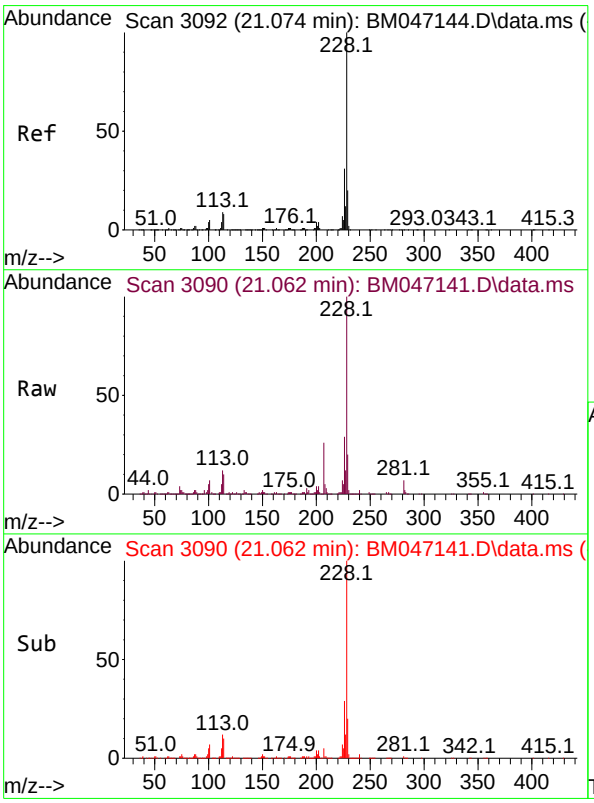
#82
3,3'-Dichlorobenzidine
Concen: 4.493 ng
RT: 20.950 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 121454

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.0	76.6
126	11.3	8.5	12.7

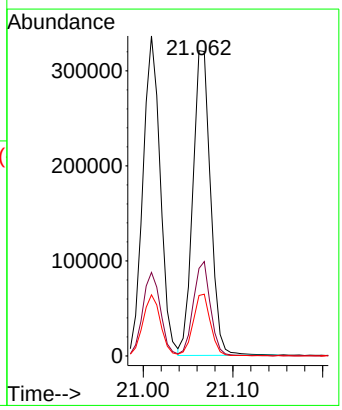


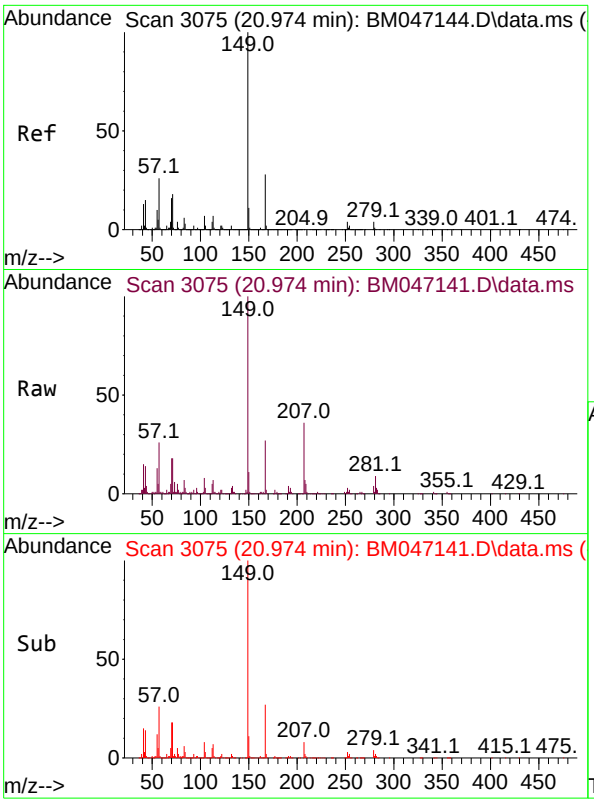


#83
Chrysene
Concen: 5.360 ng
RT: 21.062 min Scan# 3090
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:228 Resp: 439298

Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.4	36.6
229	19.8	15.7	23.5



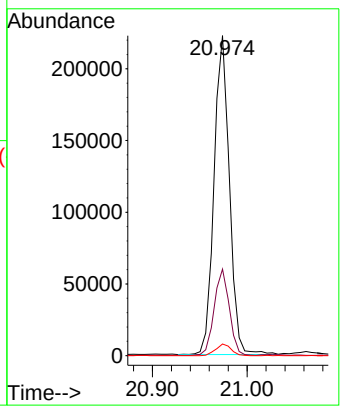


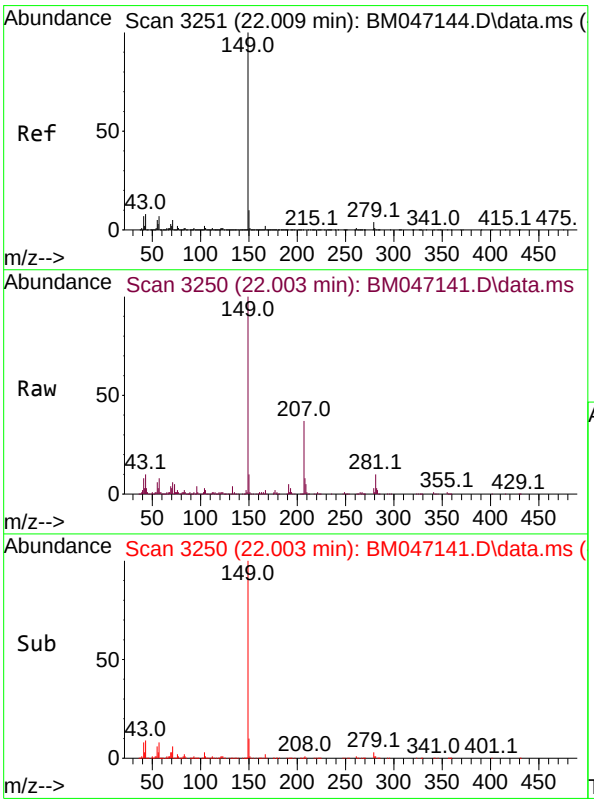
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.665 ng
RT: 20.974 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 250857

Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.2	33.2
279	3.6	3.0	4.4

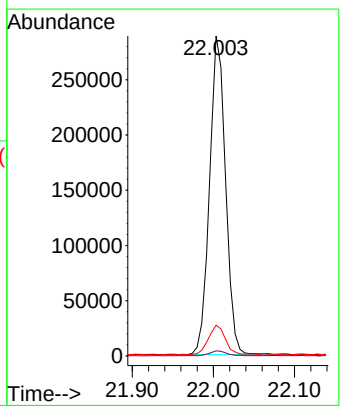


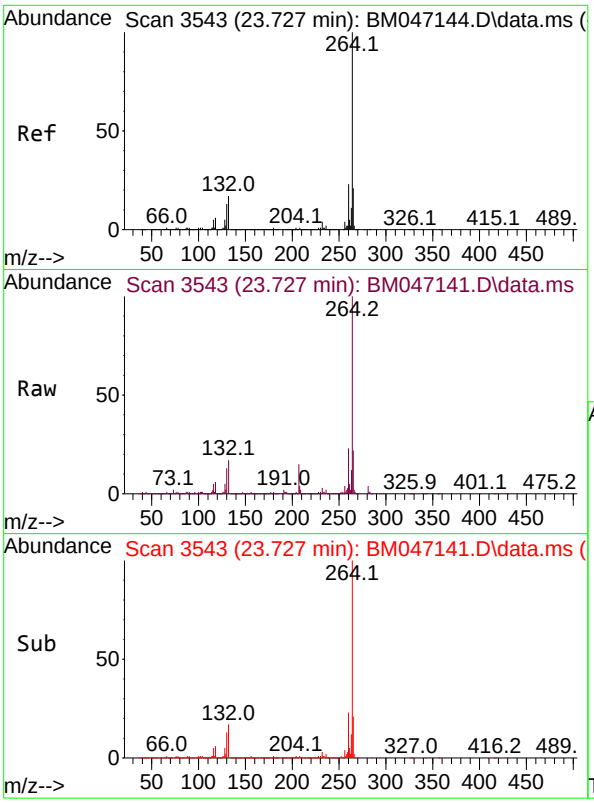


#85
Di-n-octyl phthalate
Concen: 4.315 ng
RT: 22.003 min Scan# 3250
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:149 Resp: 394399

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.7	6.9	10.3



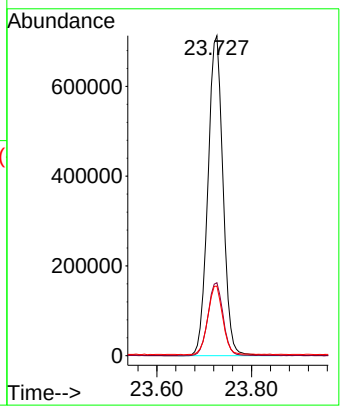


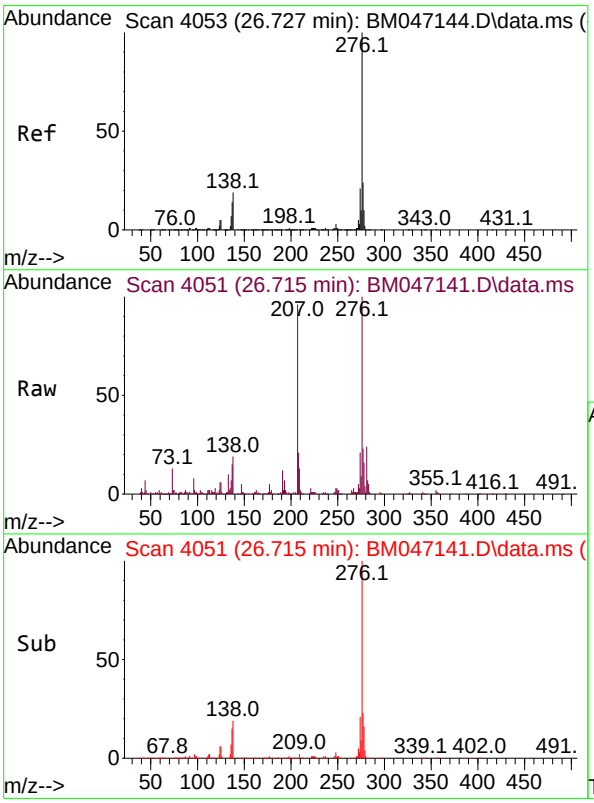
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:264 Resp: 1576050

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.5	27.7
265	21.8	17.3	25.9

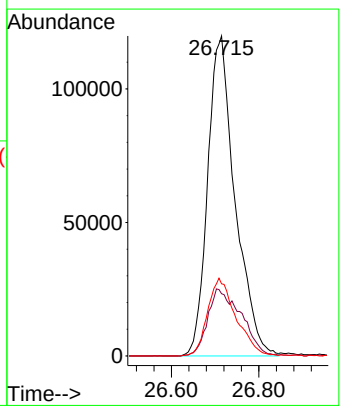


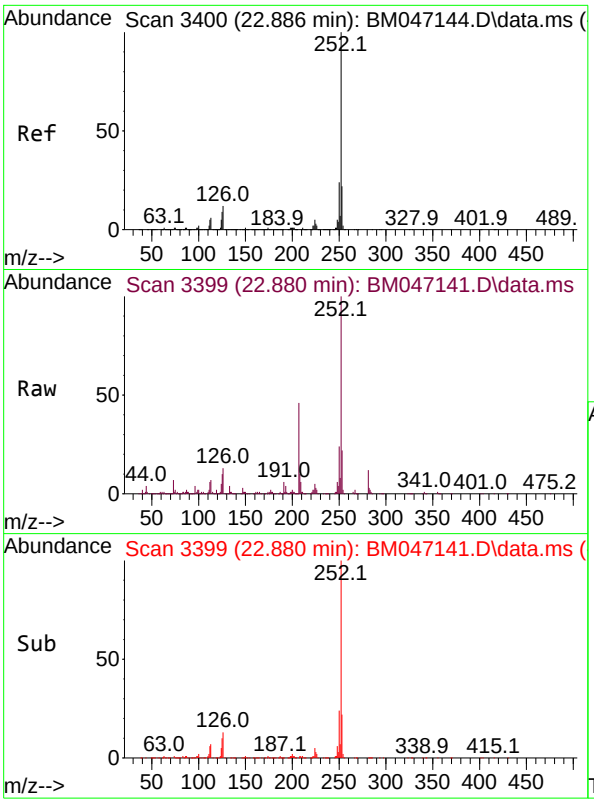


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.130 ng
RT: 26.715 min Scan# 4051
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:276 Resp: 522557

Ion	Ratio	Lower	Upper
276	100		
138	25.7	19.4	29.0
277	25.1	20.1	30.1



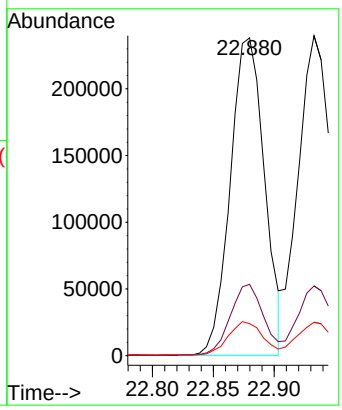


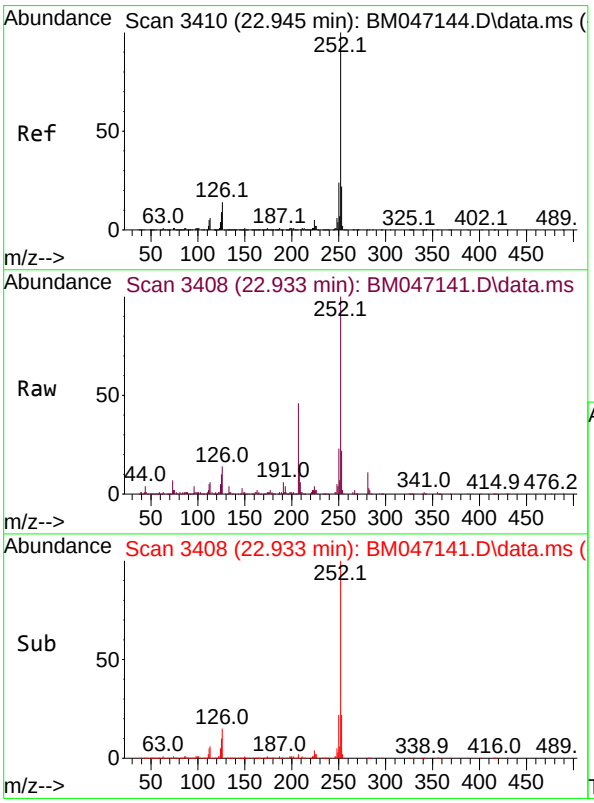
#88
Benzo(b)fluoranthene
Concen: 4.975 ng
RT: 22.880 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 465640

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	10.1	7.4	11.0

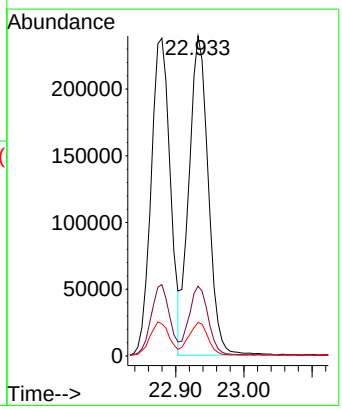


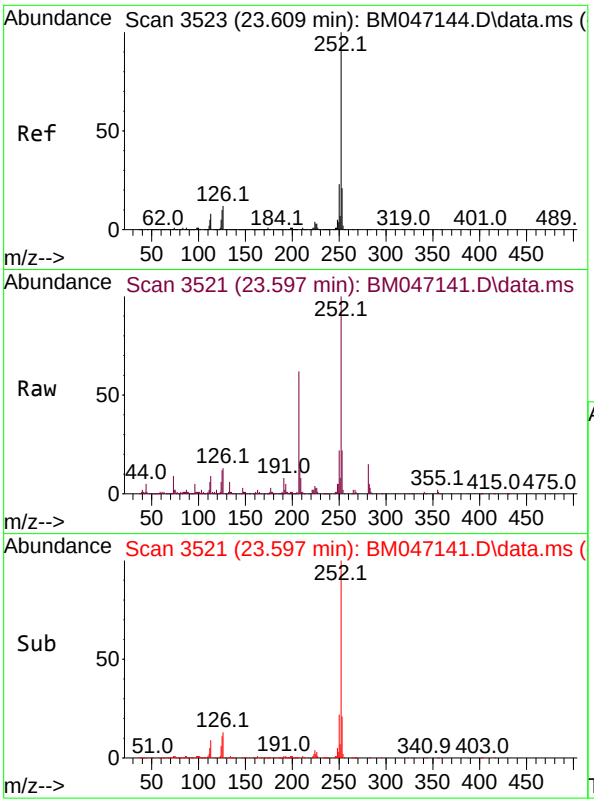


#89
Benzo(k)fluoranthene
Concen: 5.314 ng
RT: 22.933 min Scan# 3408
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:252 Resp: 469757

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.5	7.4	11.2



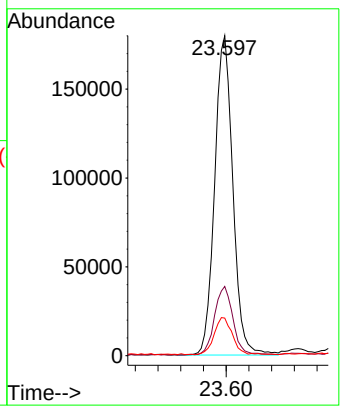


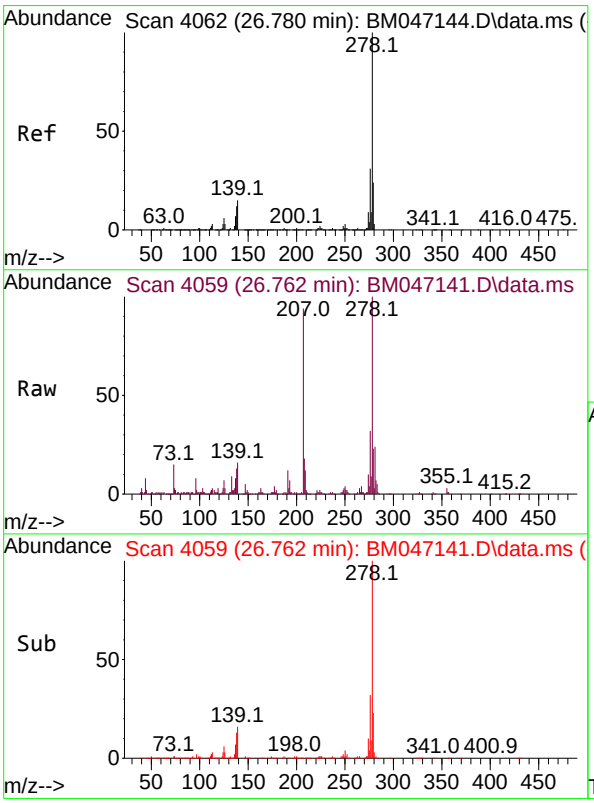
#90
Benzo(a)pyrene
Concen: 4.929 ng
RT: 23.597 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 399615

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	11.8	8.2	12.2

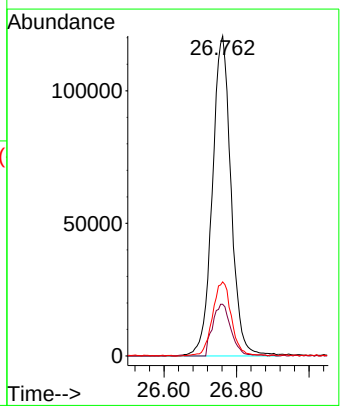


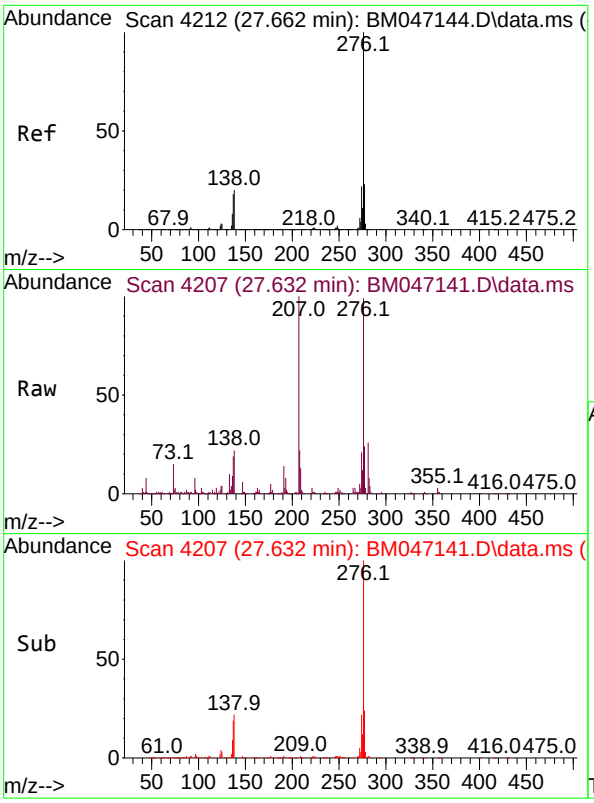


#91
Dibenzo(a,h)anthracene
Concen: 5.237 ng
RT: 26.762 min Scan# 4059
Delta R.T. -0.018 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Tgt Ion:278 Resp: 431713

Ion	Ratio	Lower	Upper
278	100		
139	16.1	12.0	18.0
279	23.1	19.2	28.8



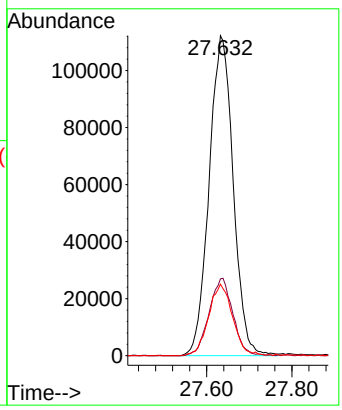


#92
Benzo(g,h,i)perylene
Concen: 5.151 ng
RT: 27.632 min Scan# 4
Delta R.T. -0.030 min
Lab File: BM047141.D
Acq: 10 Aug 2024 13:52

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 440920

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	22.4	16.2	24.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047142.D
Acq On : 10 Aug 2024 14:31
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Quant Time: Aug 11 23:32:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.375	152	292955	20.000	ng		0.00
21) Naphthalene-d8	10.128	136	1186627	20.000	ng		0.00
39) Acenaphthene-d10	14.033	164	788651	20.000	ng		0.00
64) Phenanthrene-d10	16.792	188	1690400	20.000	ng		0.00
76) Chrysene-d12	21.027	240	1593166	20.000	ng		0.00
86) Perylene-d12	23.727	264	1901592	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.022	112	346900	21.159	ng		0.00
7) Phenol-d6	6.581	99	468308	20.730	ng		0.00
23) Nitrobenzene-d5	8.522	82	494443	20.981	ng		0.00
42) 2,4,6-Tribromophenol	15.539	330	183466	20.063	ng		0.00
45) 2-Fluorobiphenyl	12.639	172	1057713	20.688	ng		0.00
79) Terphenyl-d14	19.456	244	1459931	19.636	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.040	88	71740	10.561	ng		99
3) Pyridine	3.416	79	203646	10.230	ng		97
4) n-Nitrosodimethylamine	3.334	42	89658	10.302	ng	#	99
6) Aniline	6.722	93	222003	10.397	ng		99
8) 2-Chlorophenol	6.951	128	186177	10.412	ng		98
9) Benzaldehyde	6.540	77	153438	9.573	ng		99
10) Phenol	6.604	94	234318	10.395	ng		99
11) bis(2-Chloroethyl)ether	6.822	93	199316	10.325	ng		99
12) 1,3-Dichlorobenzene	7.263	146	220661	10.384	ng		99
13) 1,4-Dichlorobenzene	7.410	146	224423	10.431	ng		99
14) 1,2-Dichlorobenzene	7.716	146	215097	10.596	ng		98
15) Benzyl Alcohol	7.628	79	157264	9.781	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.910	45	260329	10.497	ng		98
17) 2-Methylphenol	7.834	107	154501	10.274	ng		99
18) Hexachloroethane	8.428	117	84578	10.149	ng		97
19) n-Nitroso-di-n-propyla...	8.181	70	160456	10.544	ng		97
20) 3+4-Methylphenols	8.157	107	211260	10.048	ng		98
22) Acetophenone	8.192	105	306786	10.711	ng		98
24) Nitrobenzene	8.563	77	253056	10.664	ng		99
25) Isophorone	9.086	82	418965	10.211	ng		100
26) 2-Nitrophenol	9.263	139	98575	9.380	ng		98
27) 2,4-Dimethylphenol	9.345	122	123790	10.056	ng		99
28) bis(2-Chloroethoxy)met...	9.575	93	273307	10.586	ng		99
29) 2,4-Dichlorophenol	9.792	162	178052	9.748	ng		99
30) 1,2,4-Trichlorobenzene	9.998	180	208733	10.098	ng		98
31) Naphthalene	10.181	128	617578	10.447	ng		99
32) Benzoic acid	9.457	122	125871	8.752	ng		96
33) 4-Chloroaniline	10.304	127	233198	10.258	ng		98
34) Hexachlorobutadiene	10.469	225	118512	9.795	ng		99
35) Caprolactam	11.086	113	61384	9.677	ng		98
36) 4-Chloro-3-methylphenol	11.451	107	192243	9.883	ng		94
37) 2-Methylnaphthalene	11.804	142	433416	10.298	ng		99
38) 1-Methylnaphthalene	12.027	142	430690	10.354	ng		100
40) 1,2,4,5-Tetrachloroben...	12.186	216	209468	9.738	ng		99
41) Hexachlorocyclopentadiene	12.163	237	70782	9.423	ng		96
43) 2,4,6-Trichlorophenol	12.445	196	146662	9.593	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047142.D
Acq On : 10 Aug 2024 14:31
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Quant Time: Aug 11 23:32:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.522	196	161605	9.520	ng	98
46) 1,1'-Biphenyl	12.851	154	584326	10.407	ng	99
47) 2-Chloronaphthalene	12.886	162	460927	10.503	ng	99
48) 2-Nitroaniline	13.110	65	136444	9.925	ng	95
49) Acenaphthylene	13.745	152	669998	10.358	ng	100
50) Dimethylphthalate	13.510	163	565056	10.259	ng	100
51) 2,6-Dinitrotoluene	13.621	165	128162	9.954	ng	95
52) Acenaphthene	14.098	154	425366	10.367	ng	98
53) 3-Nitroaniline	13.957	138	124808	9.674	ng	96
54) 2,4-Dinitrophenol	14.174	184	60036	7.780	ng	96
55) Dibenzofuran	14.439	168	682447	10.530	ng	99
56) 4-Nitrophenol	14.292	139	105813	9.511	ng	94
57) 2,4-Dinitrotoluene	14.421	165	171542	9.982	ng	92
58) Fluorene	15.092	166	562937	10.527	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.674	232	135880	9.739	ng	96
60) Diethylphthalate	14.892	149	586005	10.418	ng	98
61) 4-Chlorophenyl-phenyle...	15.098	204	261449	10.269	ng	98
62) 4-Nitroaniline	15.127	138	127938m	10.065	ng	
63) Azobenzene	15.392	77	569823	10.685	ng	99
65) 4,6-Dinitro-2-methylph...	15.192	198	90017	9.095	ng	95
66) n-Nitrosodiphenylamine	15.315	169	473749	10.289	ng	98
67) 4-Bromophenyl-phenylether	15.992	248	160370	9.845	ng	95
68) Hexachlorobenzene	16.098	284	198141	10.157	ng	97
69) Atrazine	16.286	200	157170	11.344	ng	98
70) Pentachlorophenol	16.451	266	128691	9.411	ng	99
71) Phenanthrene	16.833	178	874873	10.313	ng	99
72) Anthracene	16.927	178	845520	10.243	ng	99
73) Carbazole	17.204	167	879612	10.437	ng	99
74) Di-n-butylphthalate	17.792	149	1003294	10.231	ng	100
75) Fluoranthene	18.868	202	1047590	10.152	ng	99
77) Benzidine	19.074	184	151348	5.602	ng	100
78) Pyrene	19.233	202	1113925	9.792	ng	99
80) Butylbenzylphthalate	20.174	149	439513	9.467	ng	99
81) Benzo(a)anthracene	21.009	228	1060395	10.026	ng	100
82) 3,3'-Dichlorobenzidine	20.950	252	311004	9.398	ng	99
83) Chrysene	21.068	228	1022315	10.188	ng	99
84) Bis(2-ethylhexyl)phtha...	20.974	149	643719	9.777	ng	100
85) Di-n-octyl phthalate	22.003	149	1048294	9.368	ng	98
87) Indeno(1,2,3-cd)pyrene	26.715	276	1216673	9.899	ng	99
88) Benzo(b)fluoranthene	22.880	252	1140578	10.100	ng	98
89) Benzo(k)fluoranthene	22.933	252	1078126	10.108	ng	99
90) Benzo(a)pyrene	23.597	252	965036	9.865	ng	99
91) Dibenzo(a,h)anthracene	26.756	278	999745	10.051	ng	99
92) Benzo(g,h,i)perylene	27.644	276	1029079	9.964	ng	99

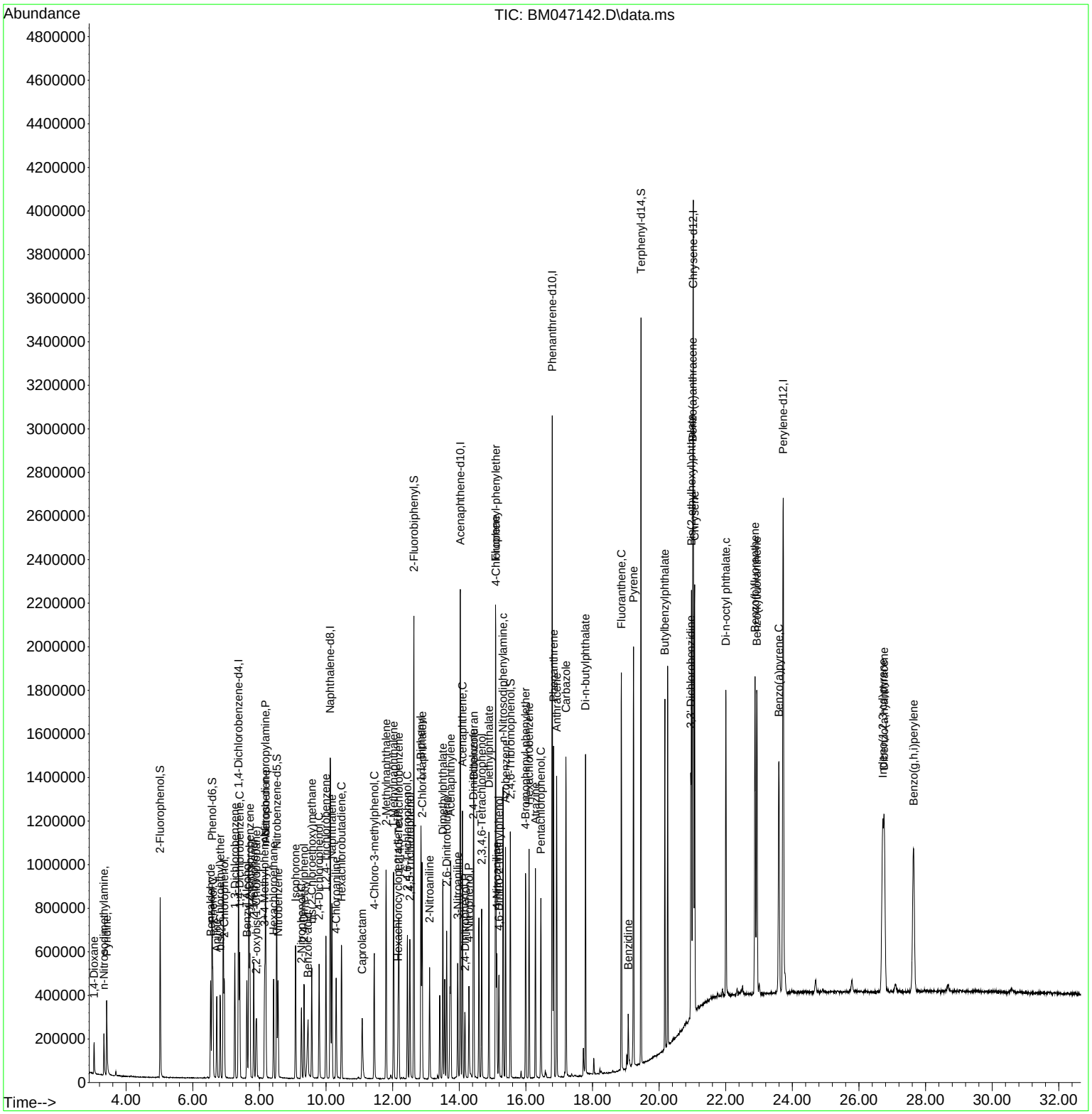
(#) = qualifier out of range (m) = manual integration (+) = signals summed

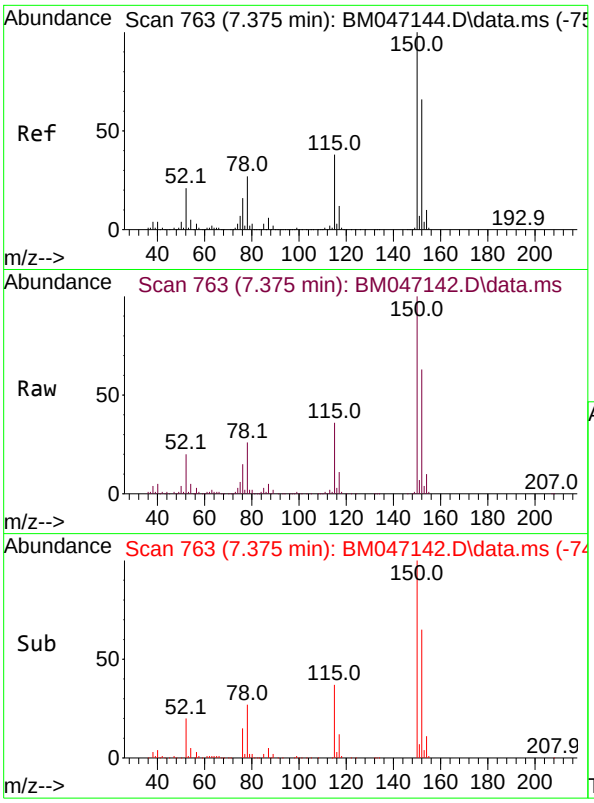
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047142.D
Acq On : 10 Aug 2024 14:31
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Quant Time: Aug 11 23:32:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration



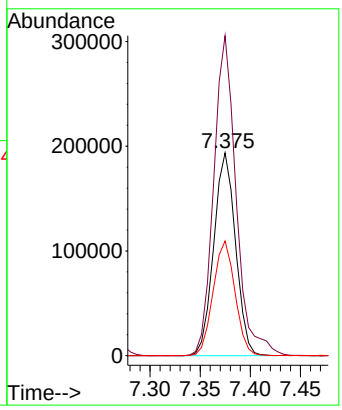


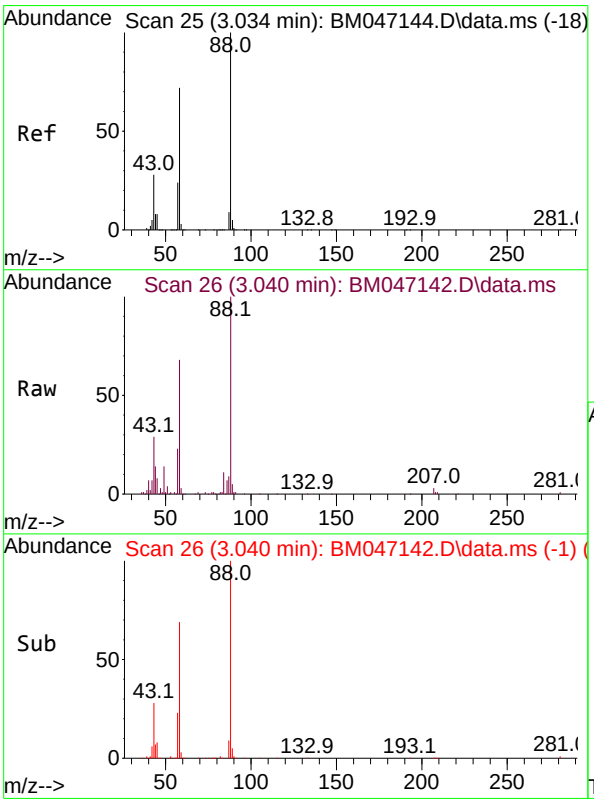
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 292955

Ion	Ratio	Lower	Upper
152	100		
150	157.7	120.5	180.7
115	56.5	45.5	68.3

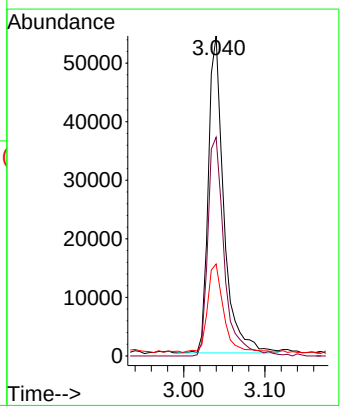


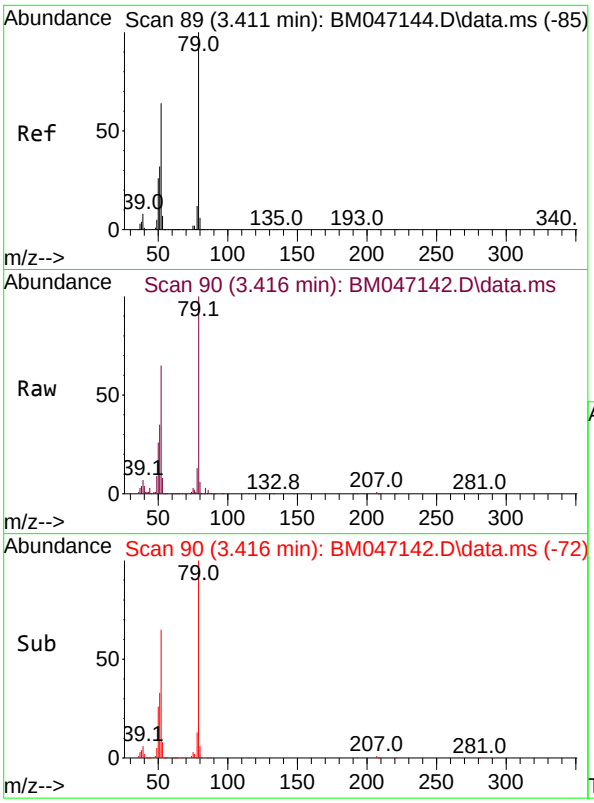


#2
1,4-Dioxane
Concen: 10.561 ng
RT: 3.040 min Scan# 26
Delta R.T. 0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion: 88 Resp: 71740

Ion	Ratio	Lower	Upper
88	100		
58	73.3	58.2	87.4
43	28.9	22.5	33.7



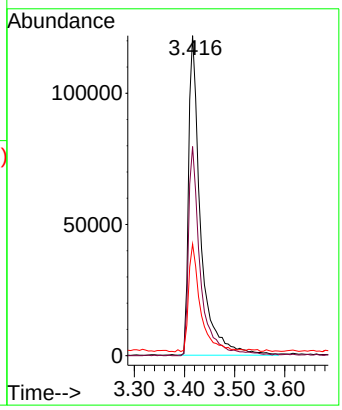


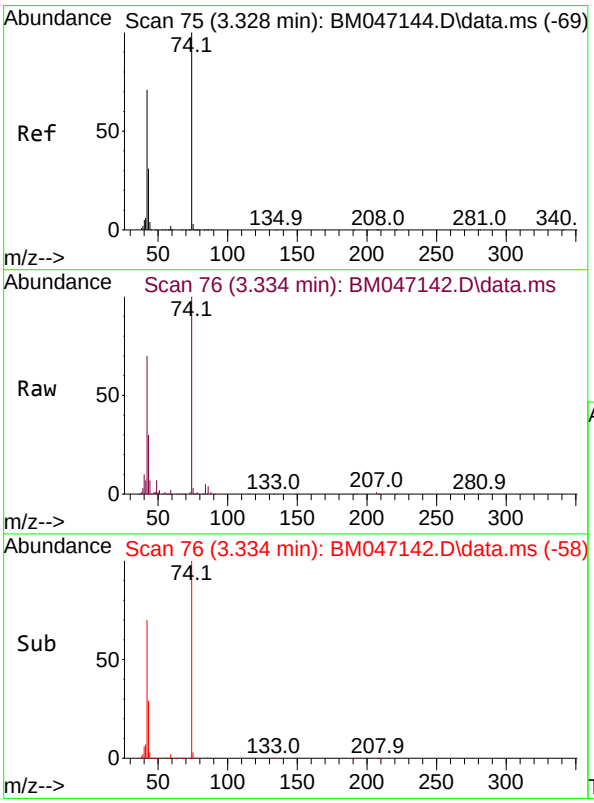
#3
Pyridine
Concen: 10.230 ng
RT: 3.416 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 203646

Ion	Ratio	Lower	Upper
79	100		
52	65.3	51.2	76.8
51	34.9	26.1	39.1

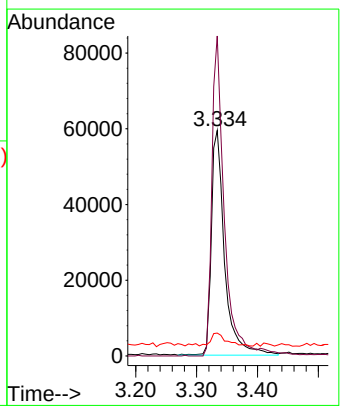


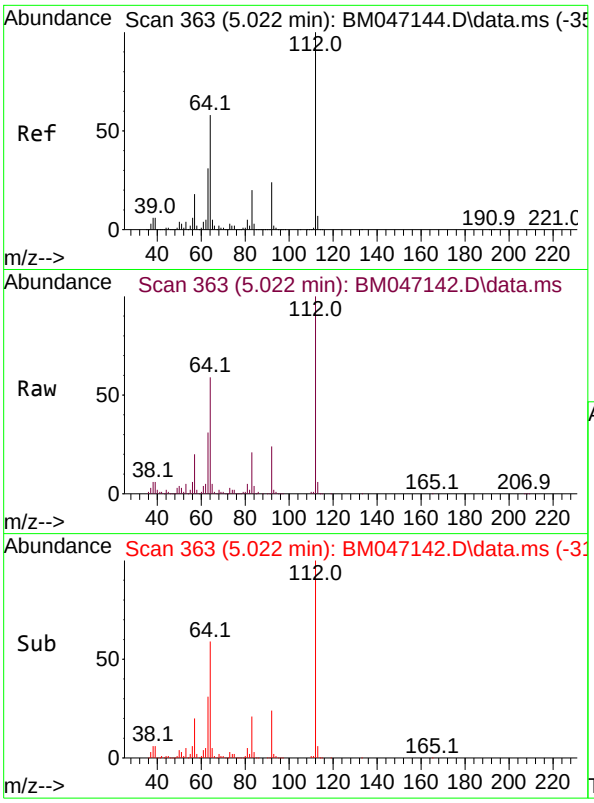


#4
n-Nitrosodimethylamine
Concen: 10.302 ng
RT: 3.334 min Scan# 76
Delta R.T. 0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion: 42 Resp: 89658

Ion	Ratio	Lower	Upper
42	100		
74	141.9	112.9	169.3
44	10.2	5.3	7.9#



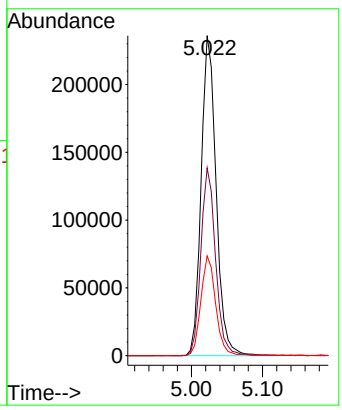


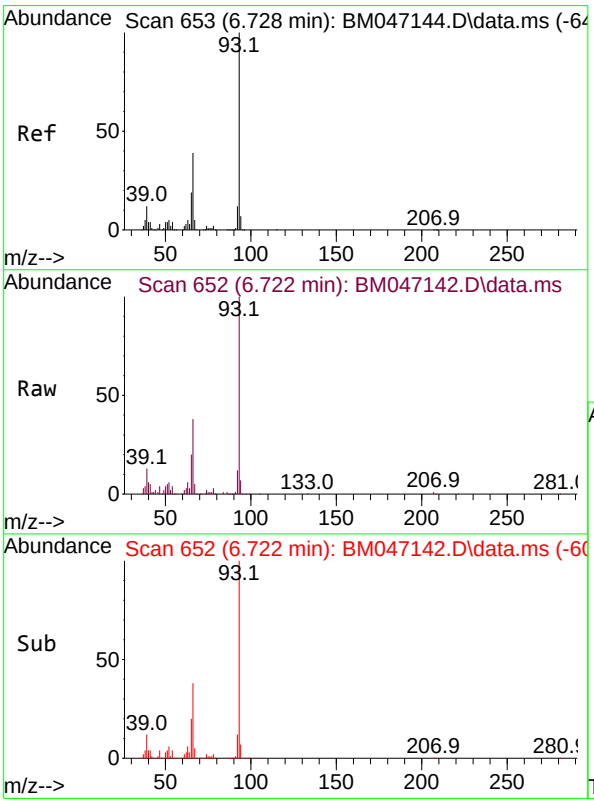
#5
2-Fluorophenol
Concen: 21.159 ng
RT: 5.022 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 346900

Ion	Ratio	Lower	Upper
112	100		
64	58.7	46.7	70.1
63	31.2	24.8	37.2

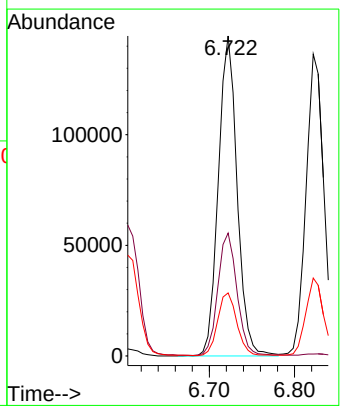


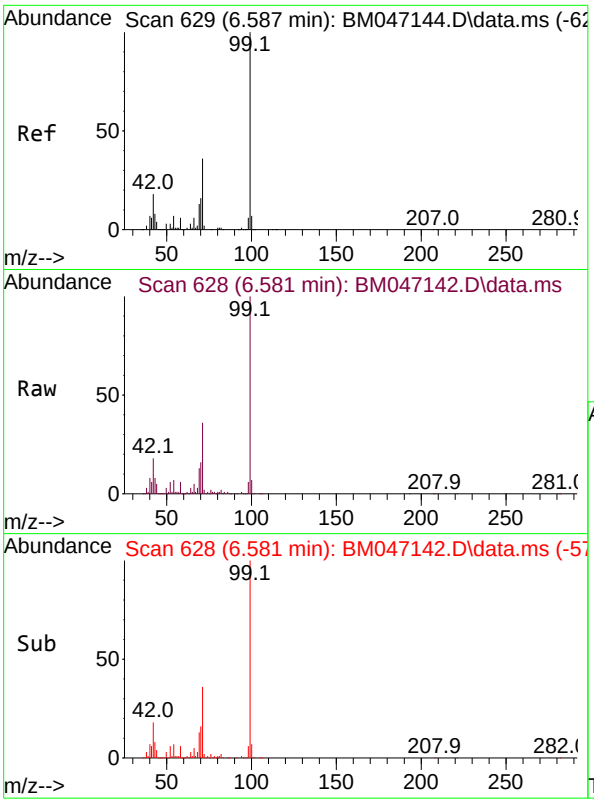


#6
Aniline
Concen: 10.397 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion: 93 Resp: 222003

Ion	Ratio	Lower	Upper
93	100		
66	38.4	31.4	47.2
65	19.7	15.6	23.4



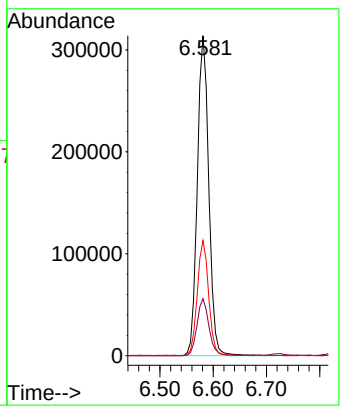


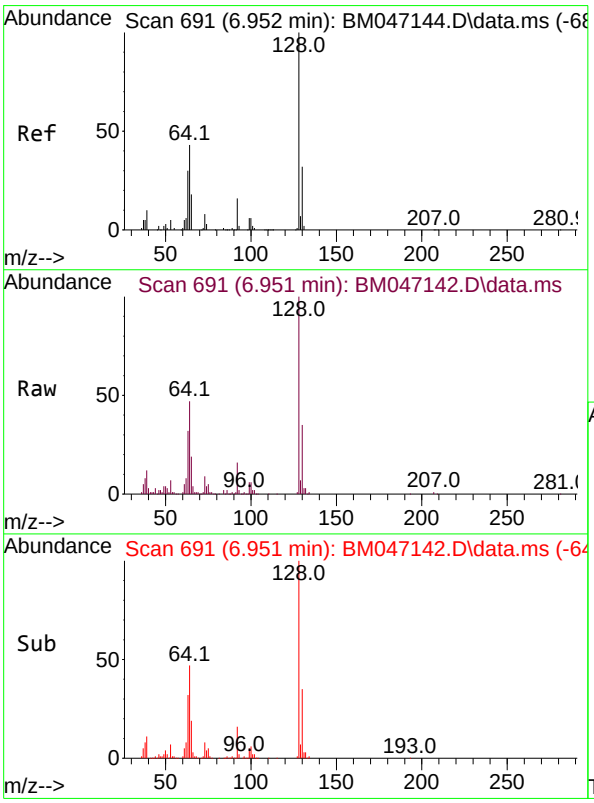
#7
Phenol-d6
Concen: 20.730 ng
RT: 6.581 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 468308

Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.1	21.1
71	36.0	28.5	42.7

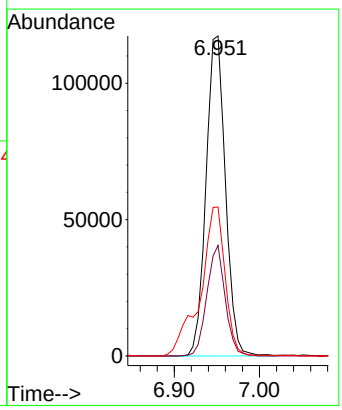


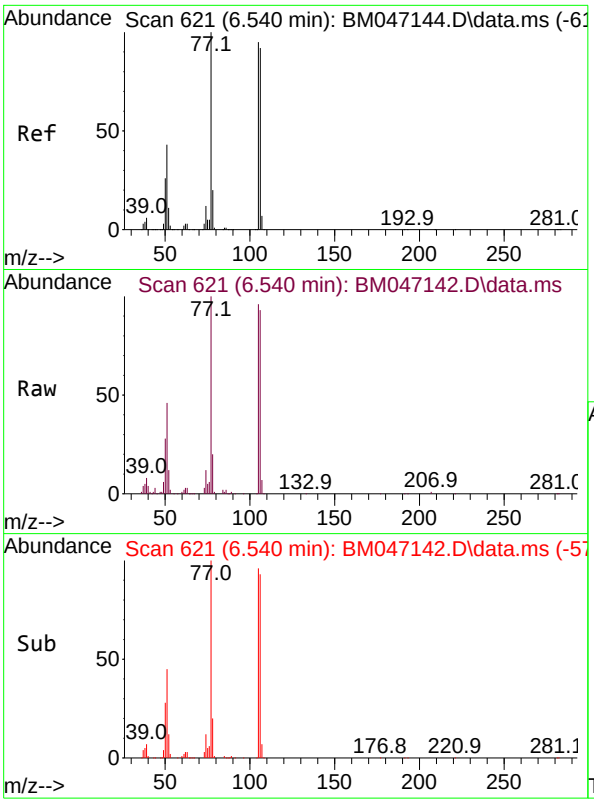


#8
2-Chlorophenol
Concen: 10.412 ng
RT: 6.951 min Scan# 691
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:128 Resp: 186177

Ion	Ratio	Lower	Upper
128	100		
130	34.6	12.1	52.1
64	46.6	26.6	66.6



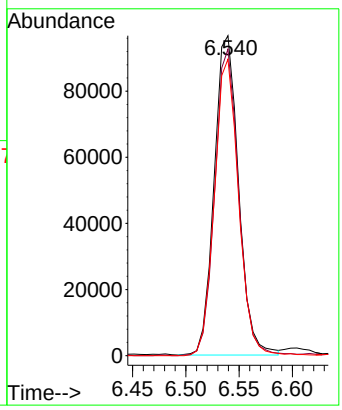


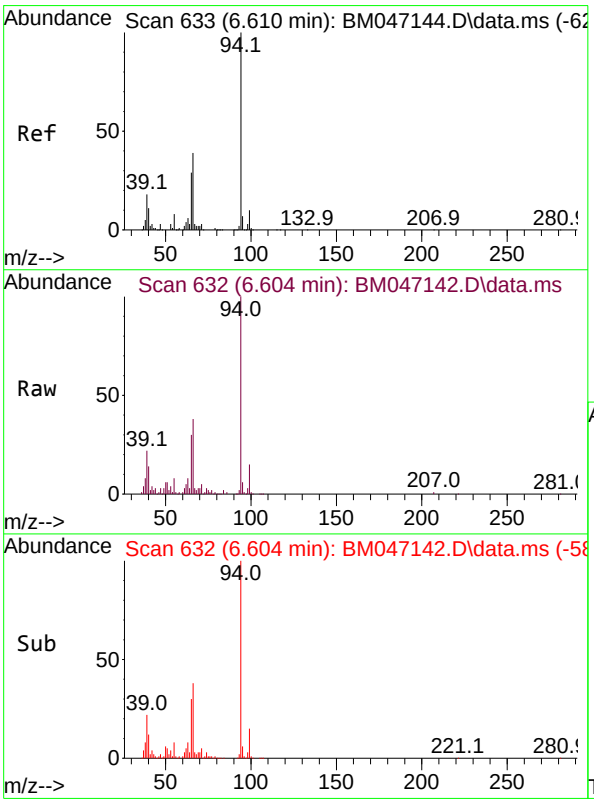
#9
Benzaldehyde
Concen: 9.573 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 153438

Ion	Ratio	Lower	Upper
77	100		
105	95.8	74.5	114.5
106	92.7	72.3	112.3

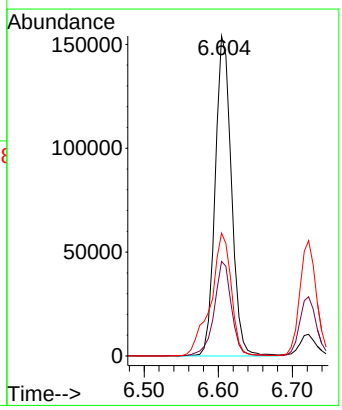


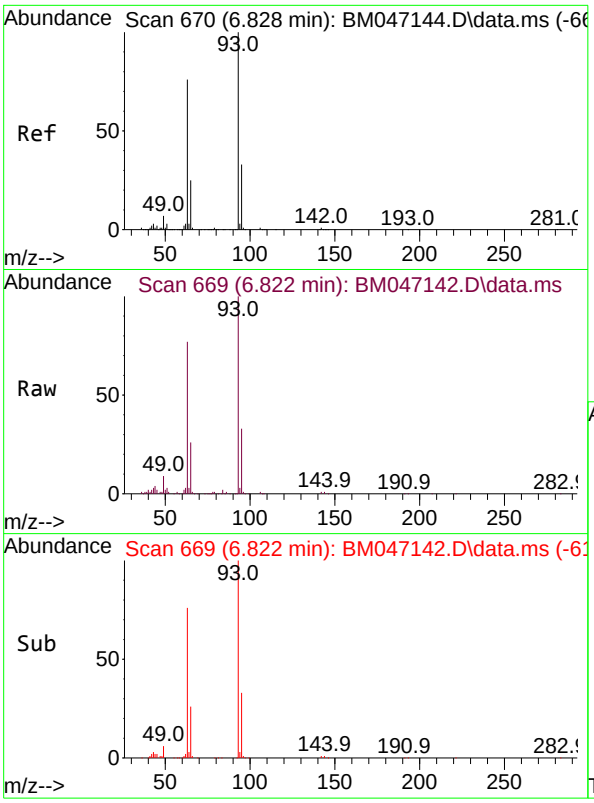


#10
Phenol
Concen: 10.395 ng
RT: 6.604 min Scan# 632
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion: 94 Resp: 234318

Ion	Ratio	Lower	Upper
94	100		
65	29.6	9.0	49.0
66	38.4	18.9	58.9



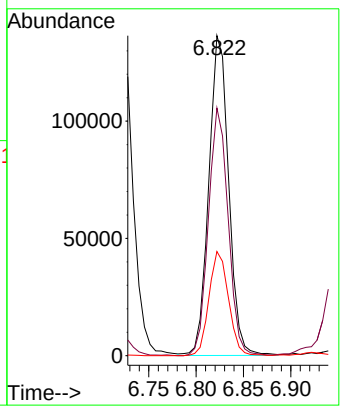


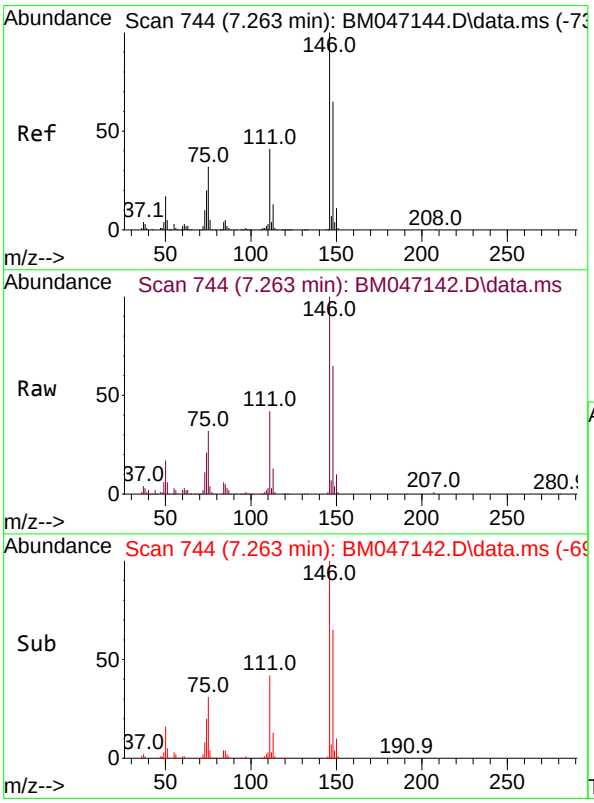
#11
bis(2-Chloroethyl)ether
Concen: 10.325 ng
RT: 6.822 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 199316

Ion	Ratio	Lower	Upper
93	100		
63	77.4	55.8	95.8
95	32.6	12.7	52.7

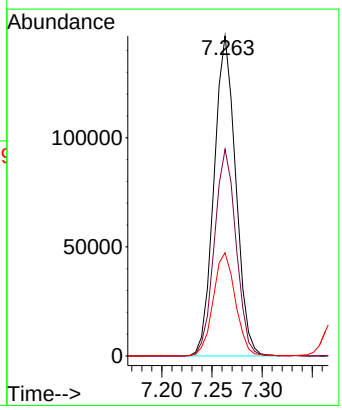


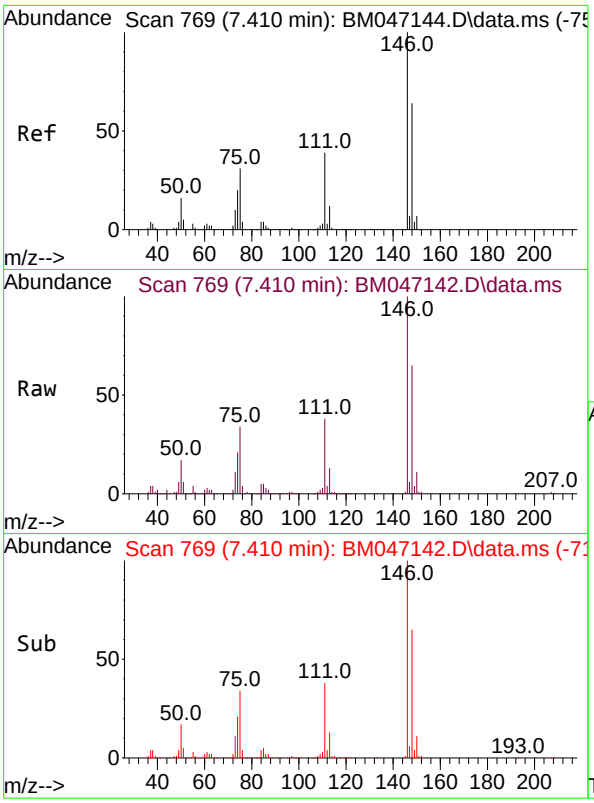


#12
1,3-Dichlorobenzene
Concen: 10.384 ng
RT: 7.263 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:146 Resp: 220661

Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.3	78.5
75	32.3	25.8	38.6



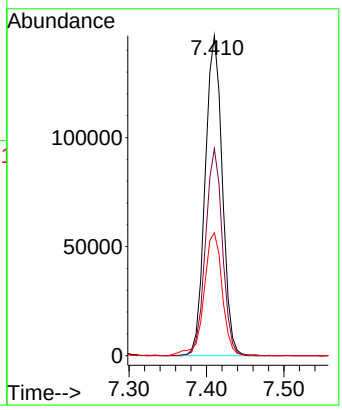


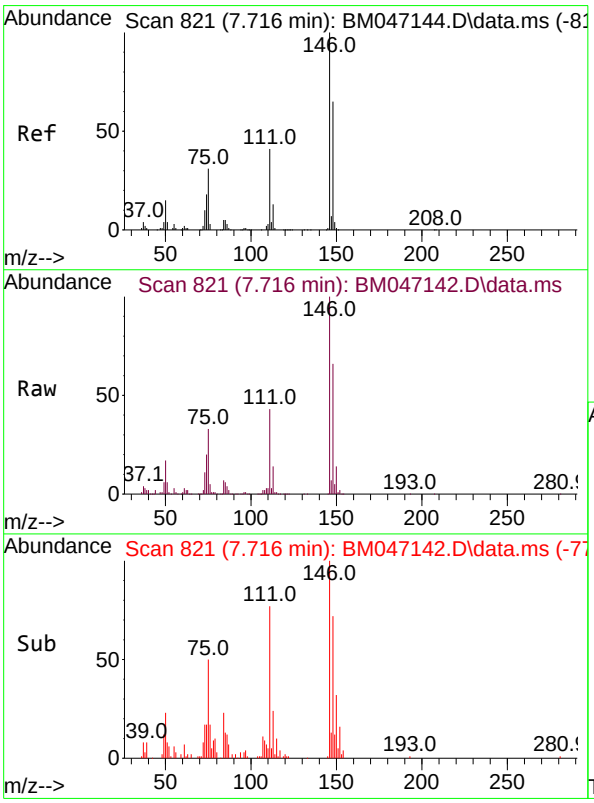
#13
1,4-Dichlorobenzene
Concen: 10.431 ng
RT: 7.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 224423

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.4	77.2
111	38.4	31.5	47.3

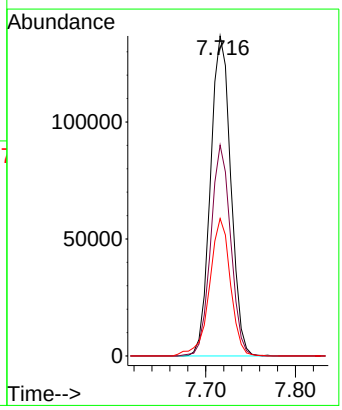


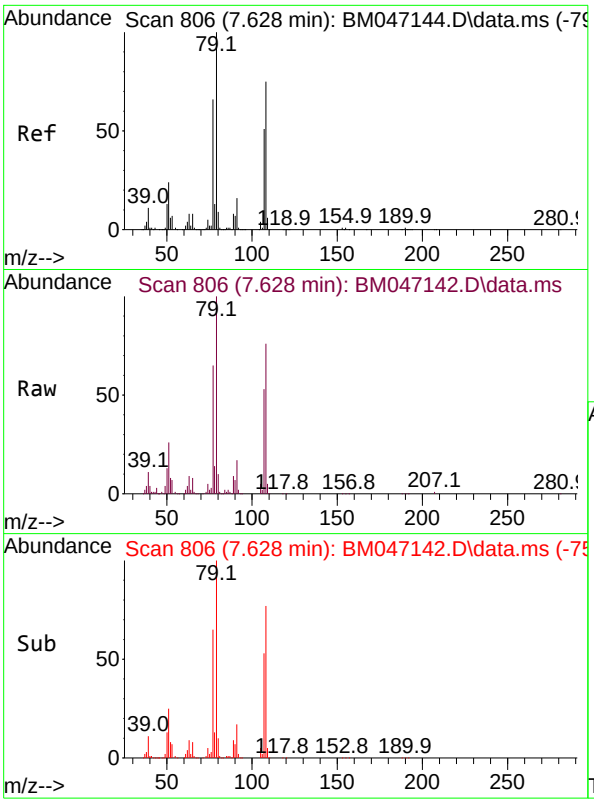


#14
1,2-Dichlorobenzene
Concen: 10.596 ng
RT: 7.716 min Scan# 821
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:146 Resp: 215097

Ion	Ratio	Lower	Upper
146	100		
148	65.9	51.8	77.8
111	43.0	33.3	49.9



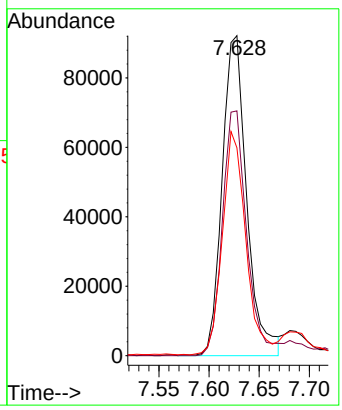


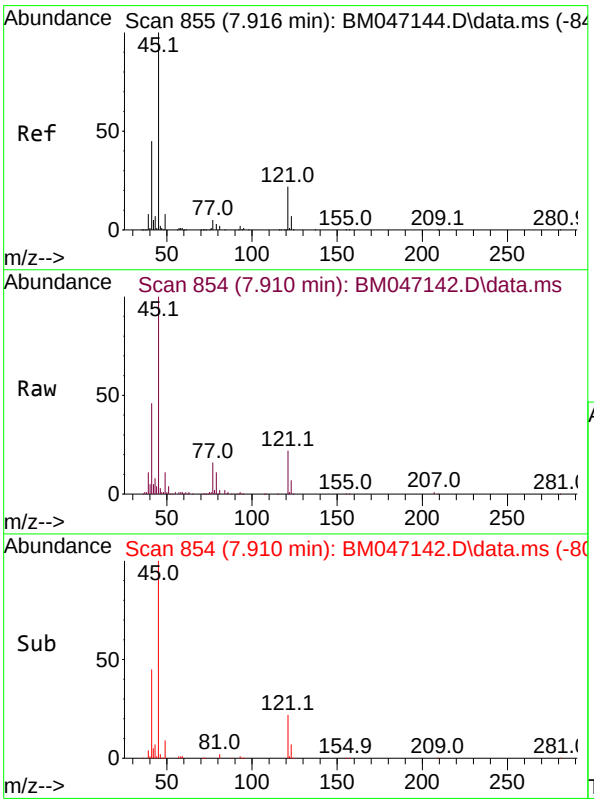
#15
Benzyl Alcohol
Concen: 9.781 ng
RT: 7.628 min Scan# 80
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 157264

Ion	Ratio	Lower	Upper
79	100		
108	76.5	59.7	89.5
77	65.0	52.9	79.3

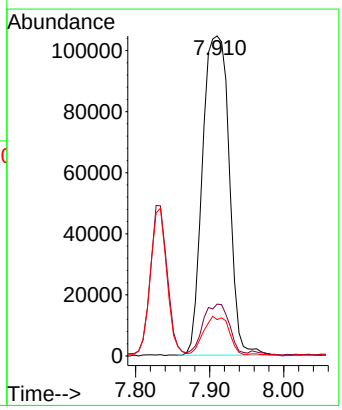


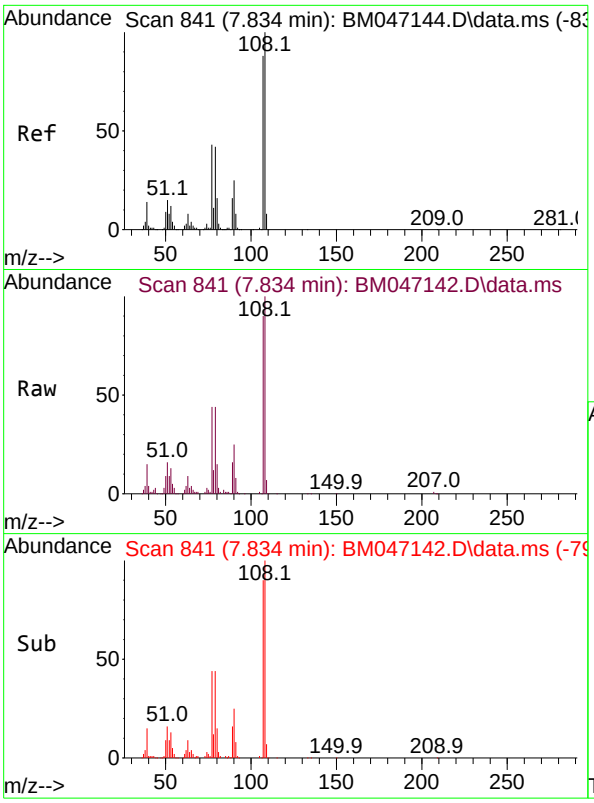


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.497 ng
RT: 7.910 min Scan# 854
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion: 45 Resp: 260329

Ion	Ratio	Lower	Upper
45	100		
77	16.2	0.0	35.6
79	11.4	0.0	32.4



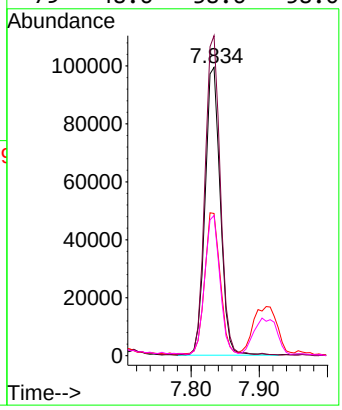


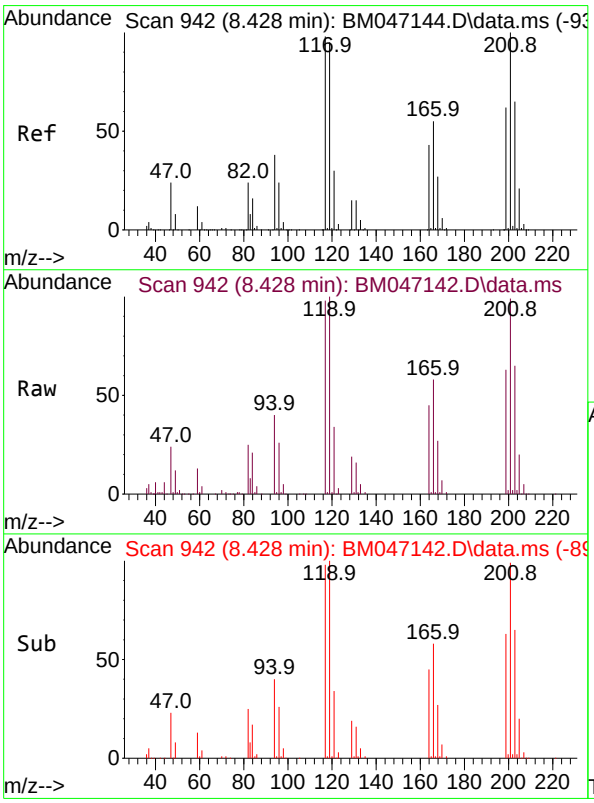
#17
2-Methylphenol
Concen: 10.274 ng
RT: 7.834 min Scan# 84
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 154501

Ion	Ratio	Lower	Upper
107	100		
108	111.0	90.6	135.8
77	49.4	39.3	58.9
79	48.6	38.6	58.0

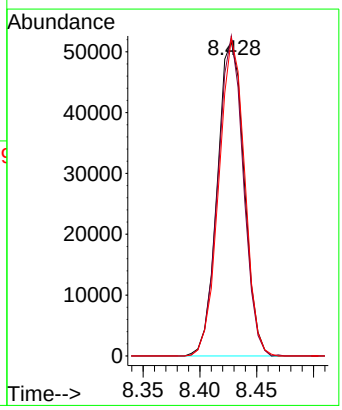


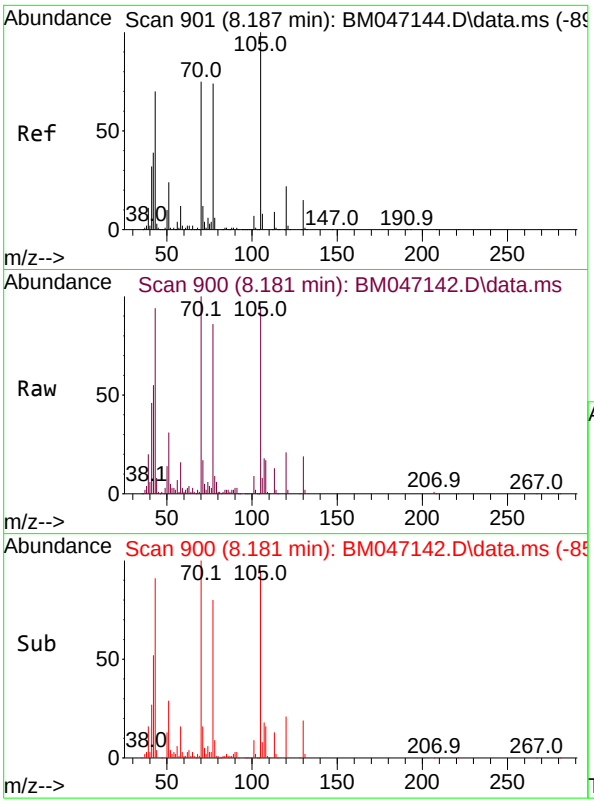


#18
Hexachloroethane
Concen: 10.149 ng
RT: 8.428 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:117 Resp: 84578

Ion	Ratio	Lower	Upper
117	100		
119	101.9	77.0	115.4
201	101.2	81.3	121.9



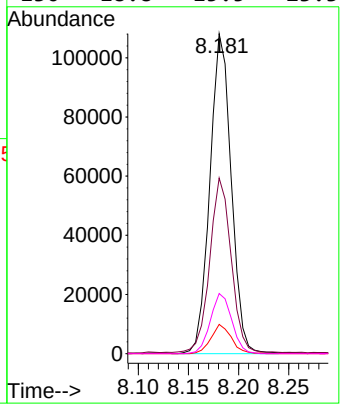


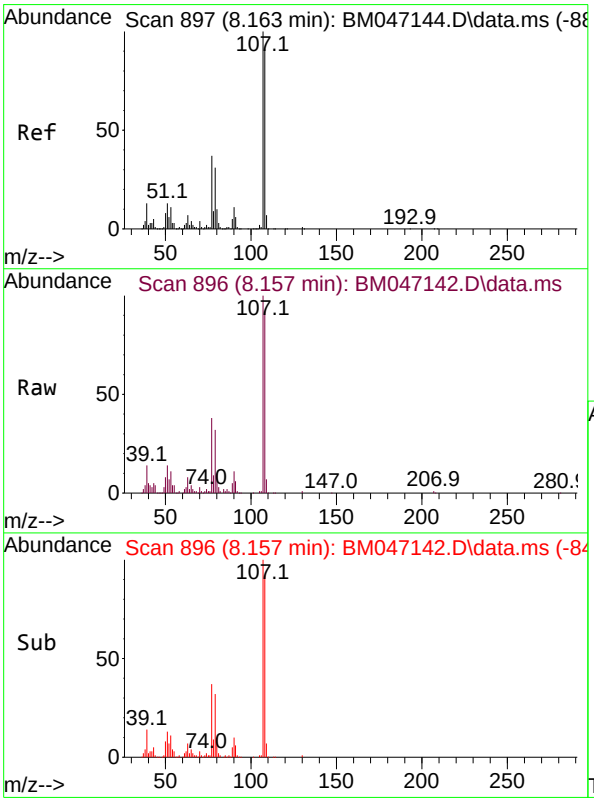
#19
n-Nitroso-di-n-propylamine
Concen: 10.544 ng
RT: 8.181 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 160456

Ion	Ratio	Lower	Upper
70	100		
42	54.9	42.0	63.0
101	9.2	7.2	10.8
130	18.8	15.5	23.3

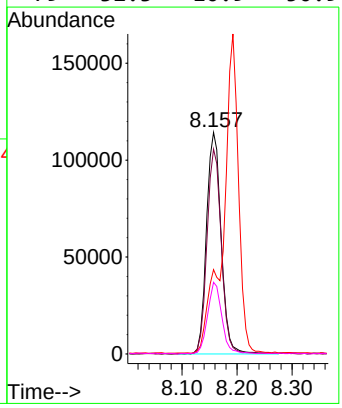


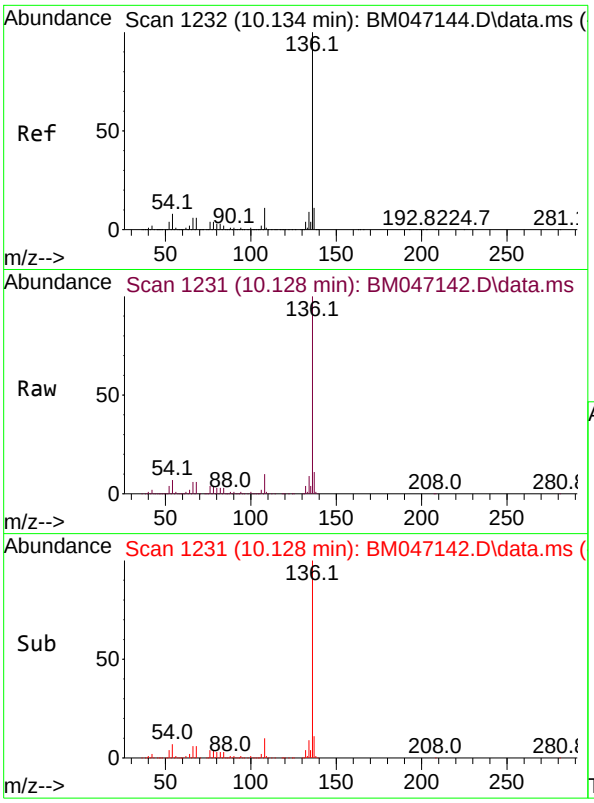


#20
3+4-Methylphenols
Concen: 10.048 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:107 Resp: 211260

Ion	Ratio	Lower	Upper
107	100		
108	92.4	70.7	110.7
77	38.0	17.4	57.4
79	32.3	10.9	50.9



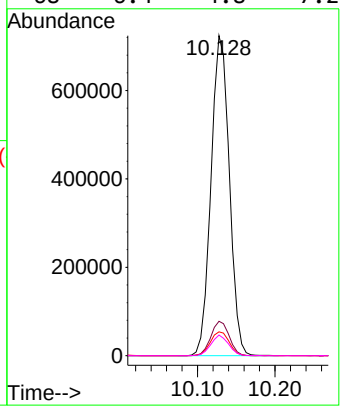


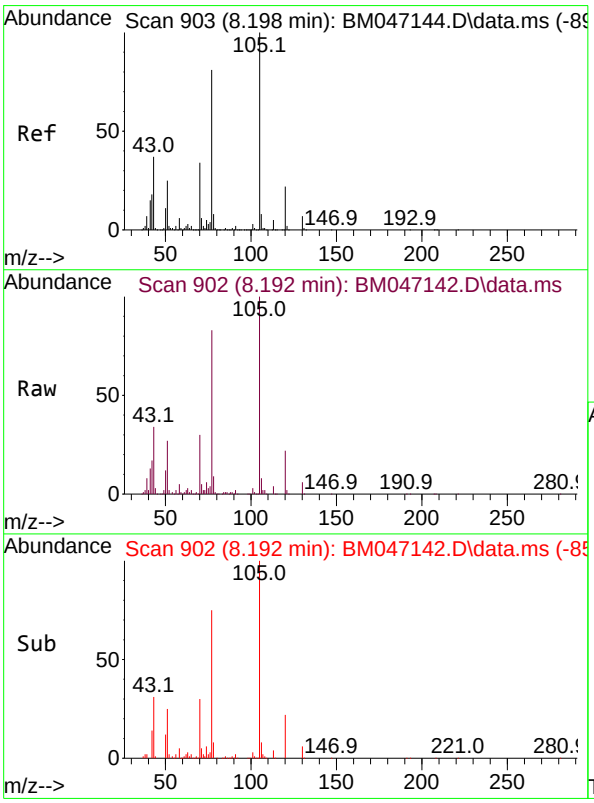
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 1186627

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.5	6.0	9.0
68	6.4	4.8	7.2

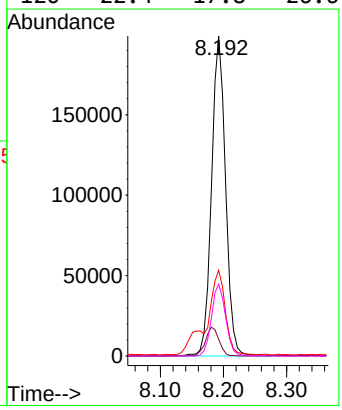


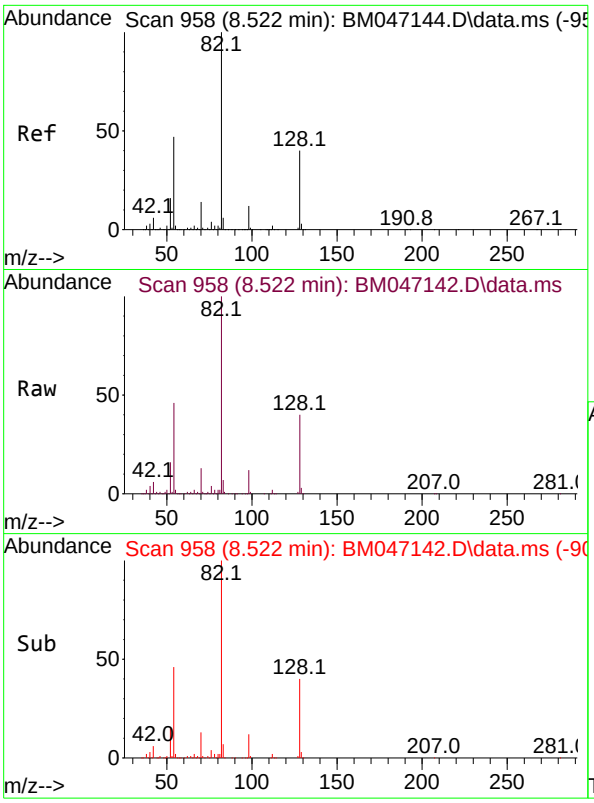


#22
Acetophenone
Concen: 10.711 ng
RT: 8.192 min Scan# 902
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:105 Resp: 306786

Ion	Ratio	Lower	Upper
105	100		
71	5.2	4.5	6.7
51	26.8	20.1	30.1
120	22.4	17.8	26.6



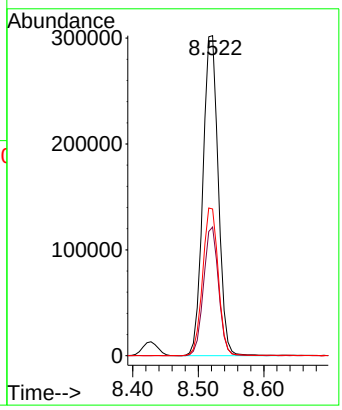


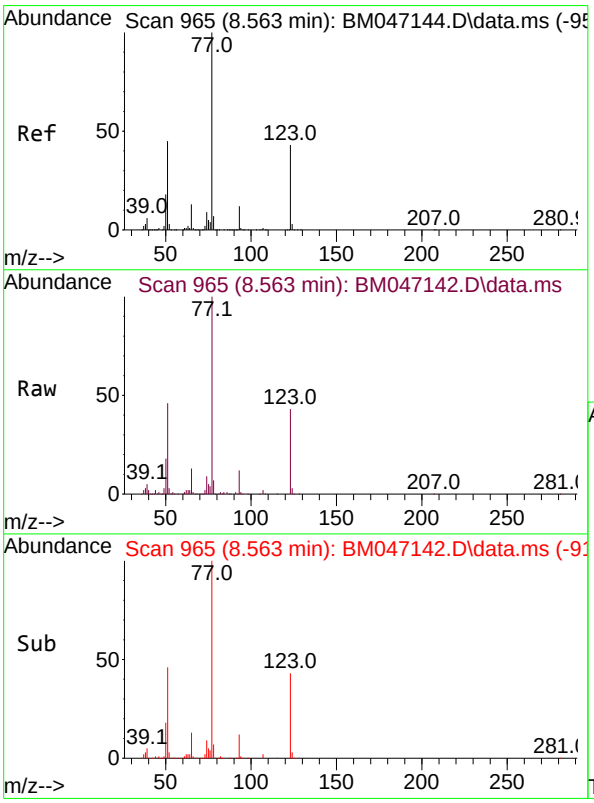
#23
Nitrobenzene-d5
Concen: 20.981 ng
RT: 8.522 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 494443

Ion	Ratio	Lower	Upper
82	100		
128	40.2	32.3	48.5
54	45.9	37.4	56.2

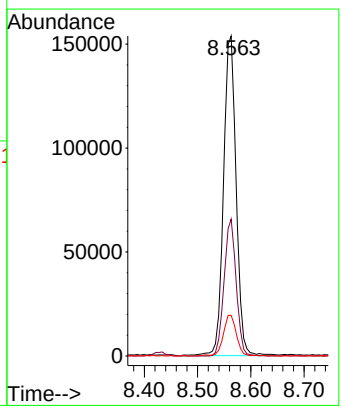


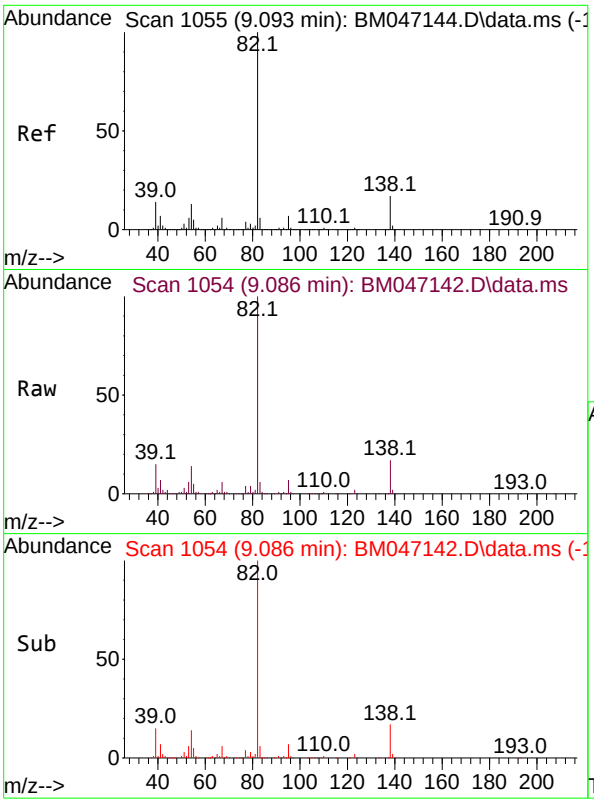


#24
Nitrobenzene
Concen: 10.664 ng
RT: 8.563 min Scan# 965
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion: 77 Resp: 253056

Ion	Ratio	Lower	Upper
77	100		
123	42.8	34.0	51.0
65	12.7	10.5	15.7



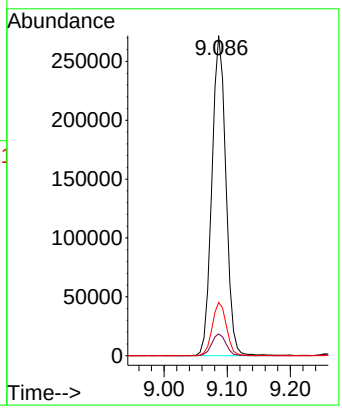


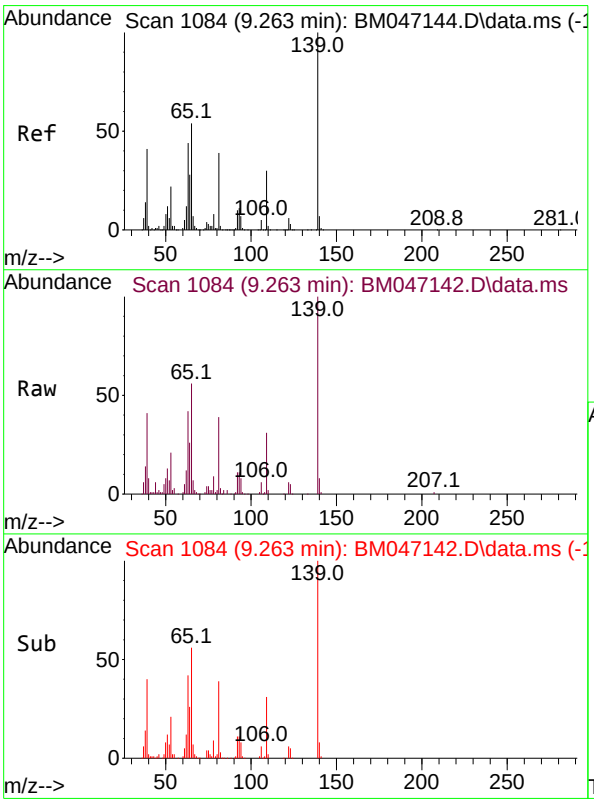
#25
Isophorone
Concen: 10.211 ng
RT: 9.086 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 418965

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	16.6	13.5	20.3

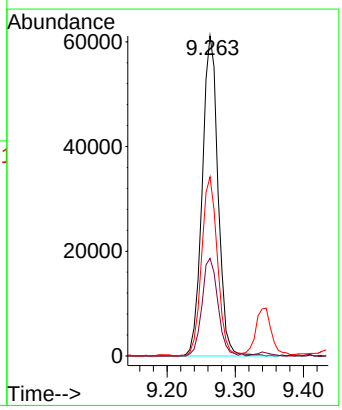


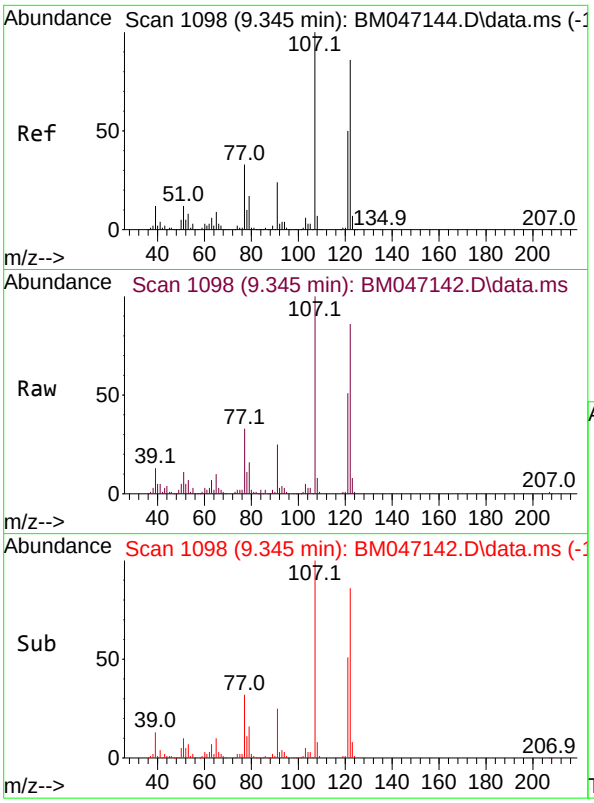


#26
2-Nitrophenol
Concen: 9.380 ng
RT: 9.263 min Scan# 1084
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:139 Resp: 98575

Ion	Ratio	Lower	Upper
139	100		
109	30.5	24.4	36.6
65	56.0	43.0	64.6



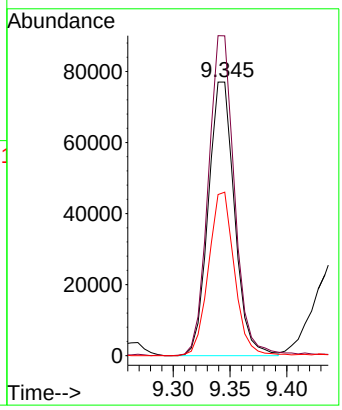


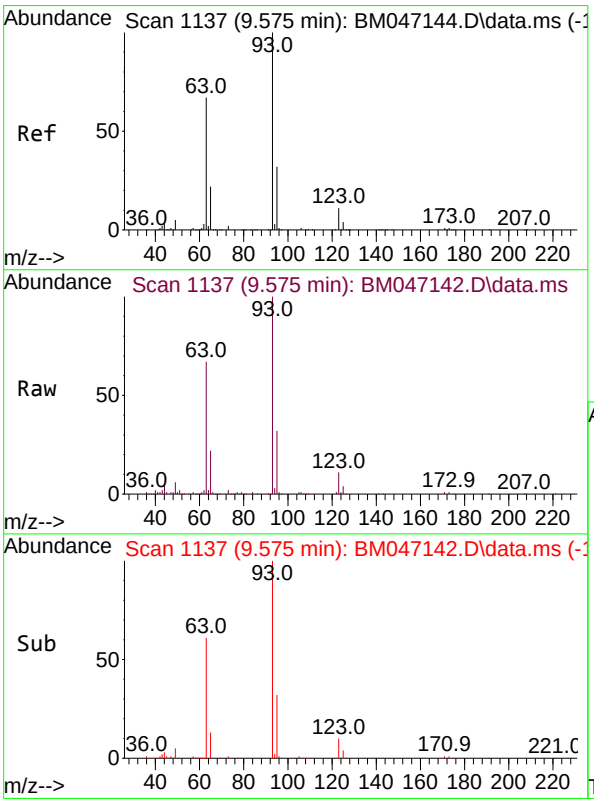
#27
2,4-Dimethylphenol
Concen: 10.056 ng
RT: 9.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 123790

Ion	Ratio	Lower	Upper
122	100		
107	116.9	92.8	139.2
121	59.8	46.1	69.1

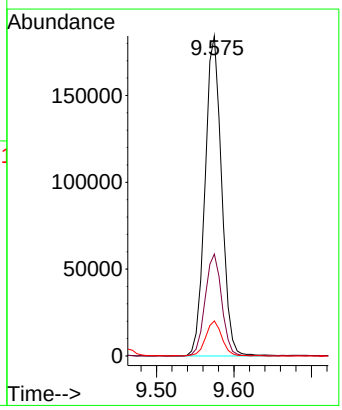


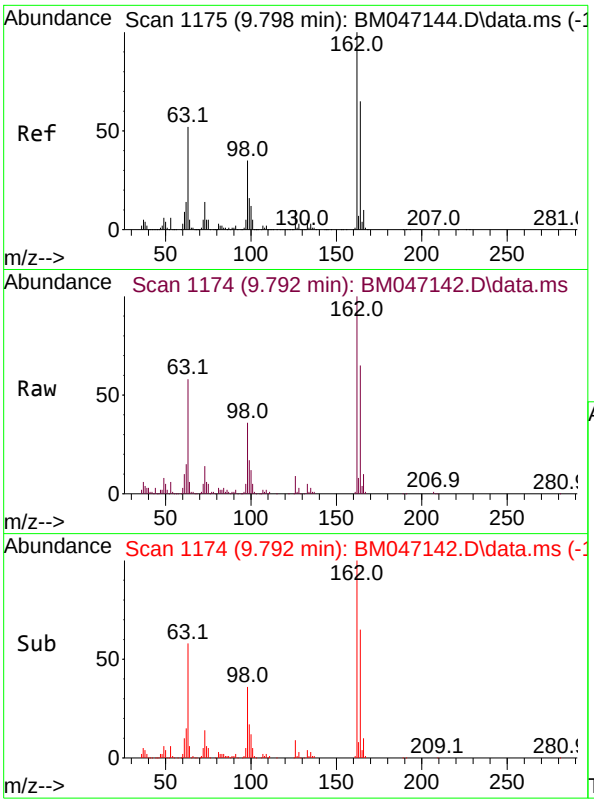


#28
bis(2-Chloroethoxy)methane
Concen: 10.586 ng
RT: 9.575 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion: 93 Resp: 273307

Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.8	38.8
123	10.9	9.0	13.4



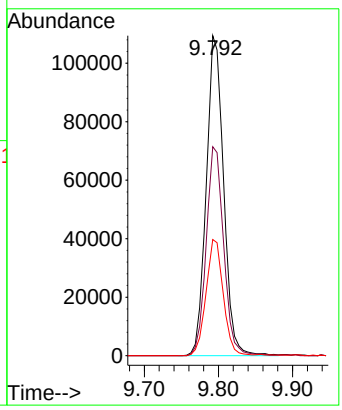


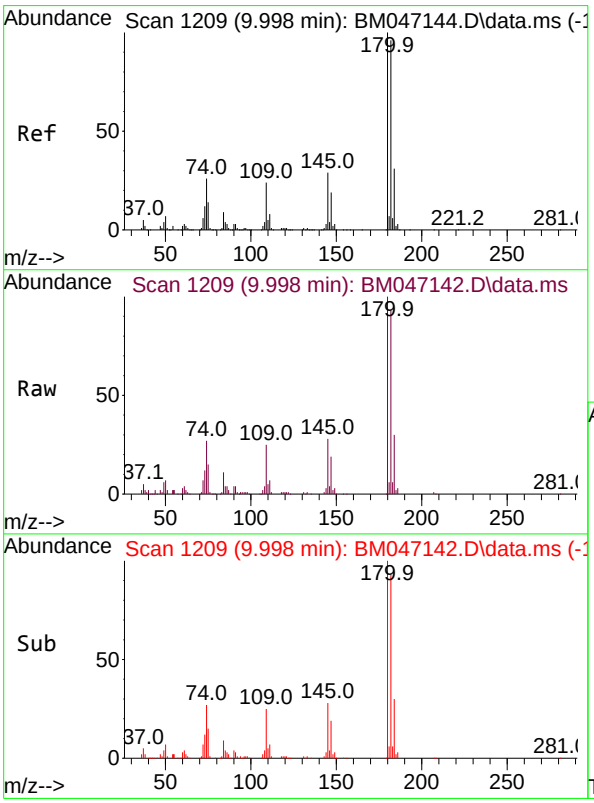
#29
2,4-Dichlorophenol
Concen: 9.748 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 178052

Ion	Ratio	Lower	Upper
162	100		
164	65.3	44.7	84.7
98	36.3	14.9	54.9

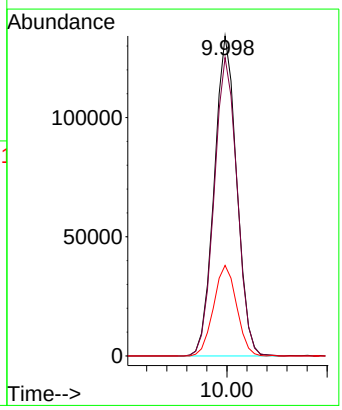


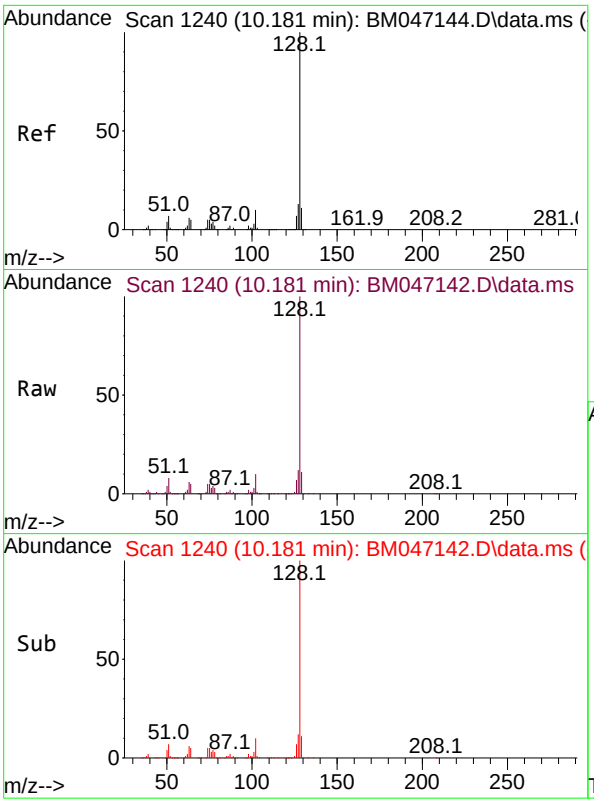


#30
1,2,4-Trichlorobenzene
Concen: 10.098 ng
RT: 9.998 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:180 Resp: 208733

Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.6	115.0
145	28.3	23.4	35.2



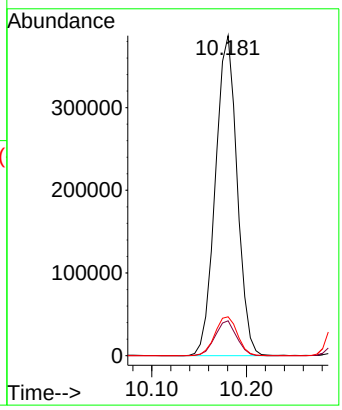


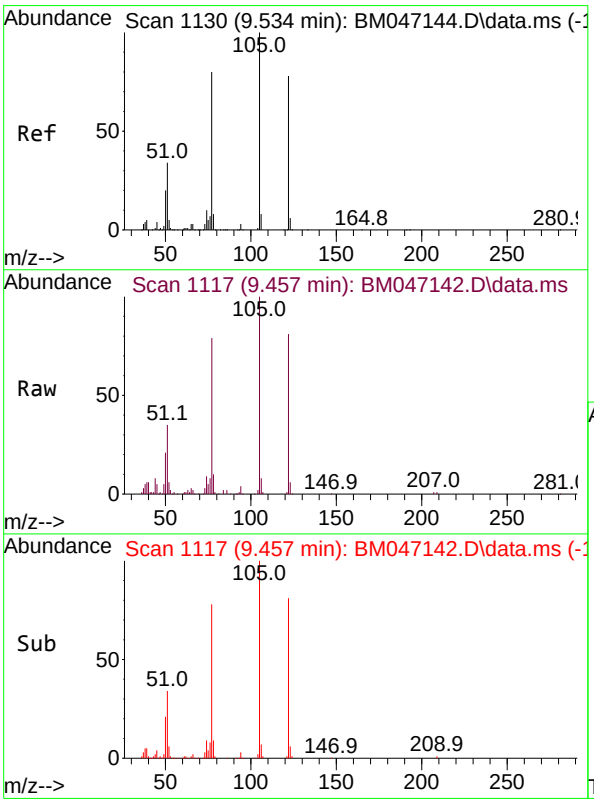
#31
Naphthalene
Concen: 10.447 ng
RT: 10.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 617578

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.2	10.2	15.4

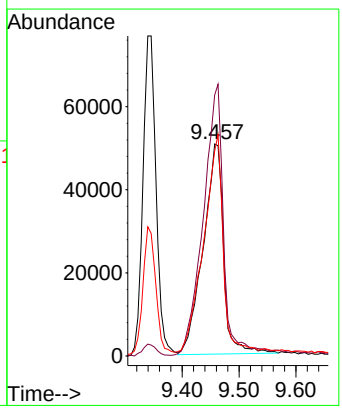


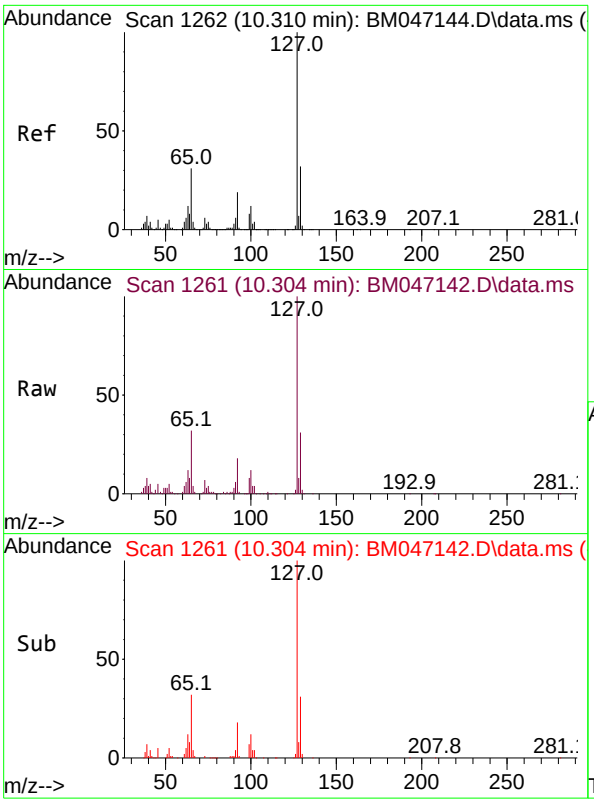


#32
Benzoic acid
Concen: 8.752 ng
RT: 9.457 min Scan# 1117
Delta R.T. -0.077 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:122 Resp: 125871

Ion	Ratio	Lower	Upper
122	100		
105	123.1	107.1	147.1
77	96.7	82.1	122.1



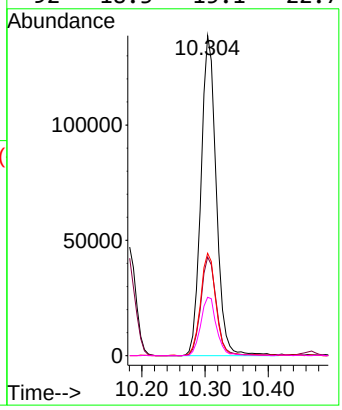


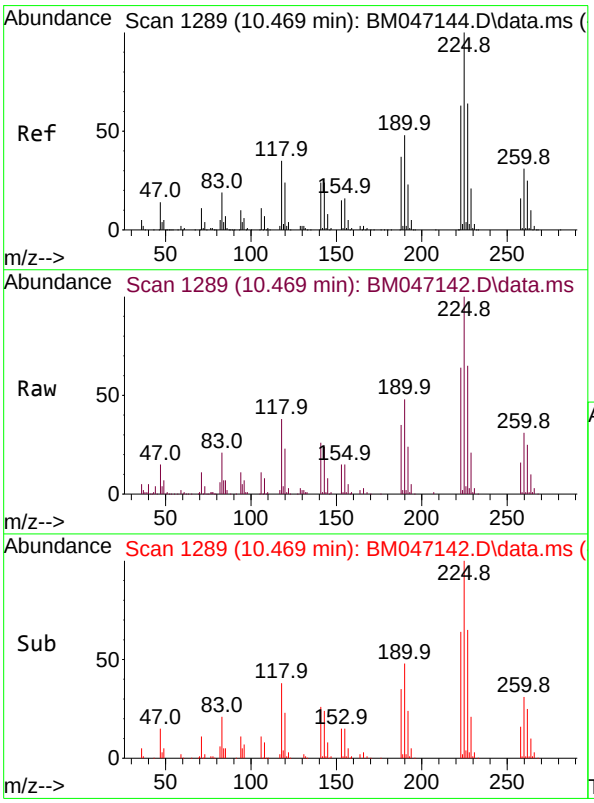
#33
4-Chloroaniline
Concen: 10.258 ng
RT: 10.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 233198

Ion	Ratio	Lower	Upper
127	100		
129	30.8	25.8	38.8
65	32.0	24.9	37.3
92	18.3	15.1	22.7

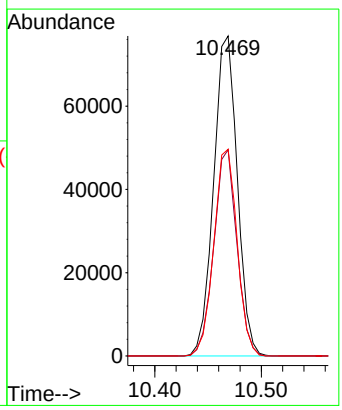


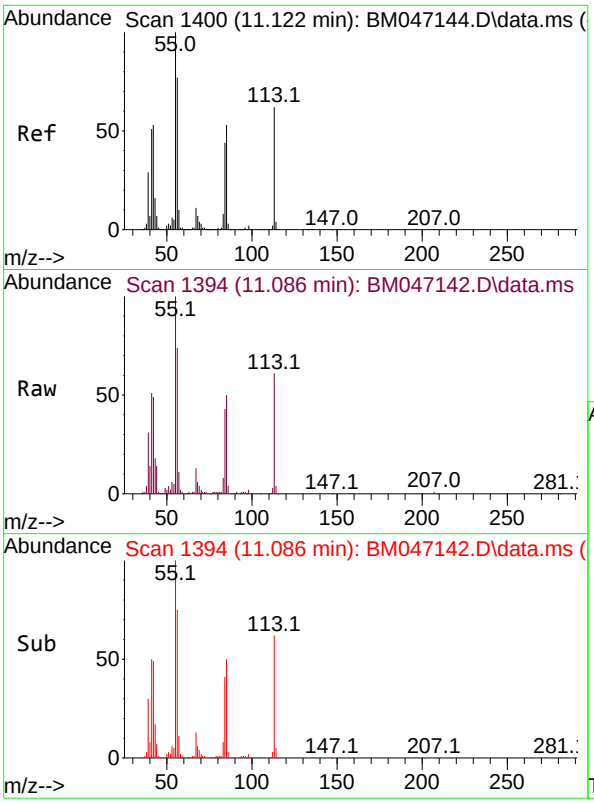


#34
Hexachlorobutadiene
Concen: 9.795 ng
RT: 10.469 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:225 Resp: 118512

Ion	Ratio	Lower	Upper
225	100		
223	64.5	50.2	75.2
227	64.6	51.4	77.0



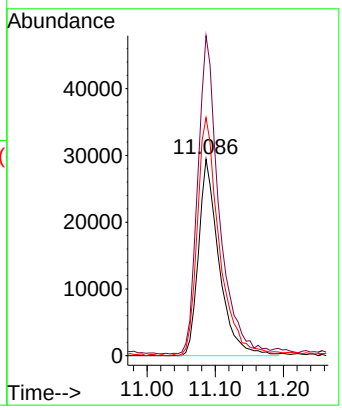


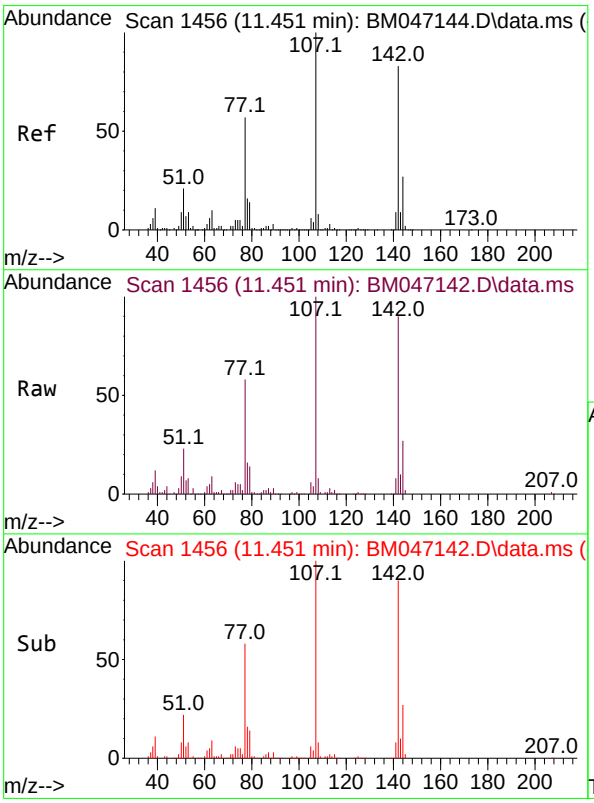
#35
Caprolactam
Concen: 9.677 ng
RT: 11.086 min Scan# 1
Delta R.T. -0.035 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 61384

Ion	Ratio	Lower	Upper
113	100		
55	162.9	140.5	180.5
56	121.2	103.6	143.6

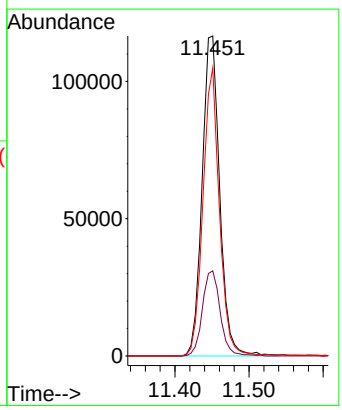


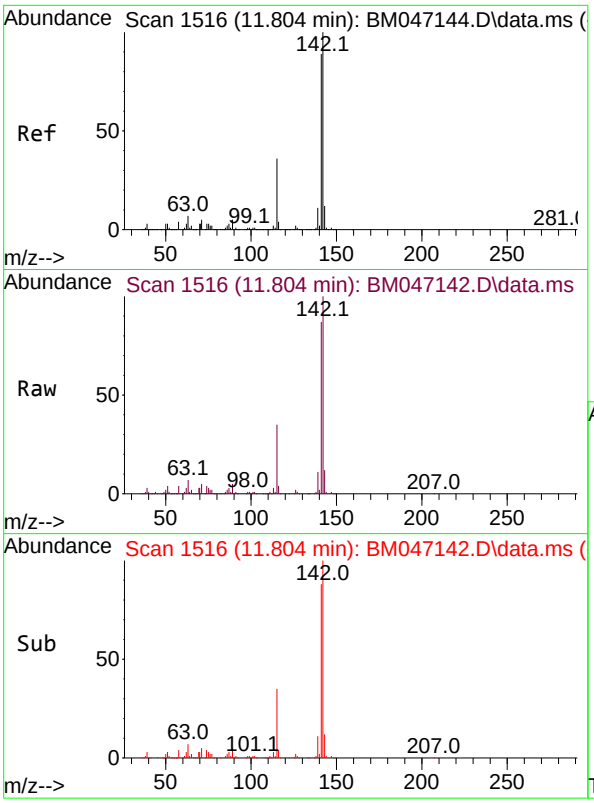


#36
4-Chloro-3-methylphenol
Concen: 9.883 ng
RT: 11.451 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:107 Resp: 192243

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.8	32.6
142	90.0	66.8	100.2



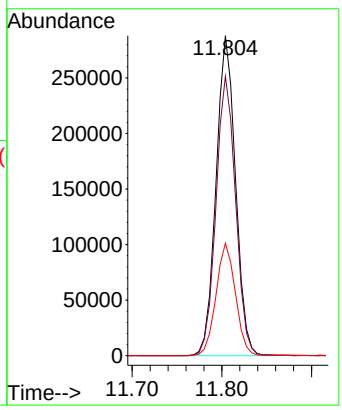


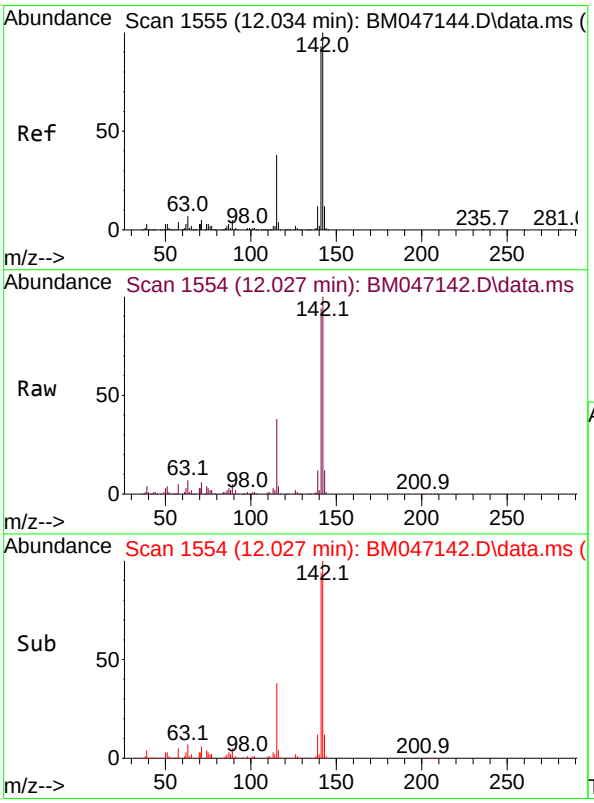
#37
2-Methylnaphthalene
Concen: 10.298 ng
RT: 11.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 433416

Ion	Ratio	Lower	Upper
142	100		
141	87.3	70.9	106.3
115	35.2	28.7	43.1

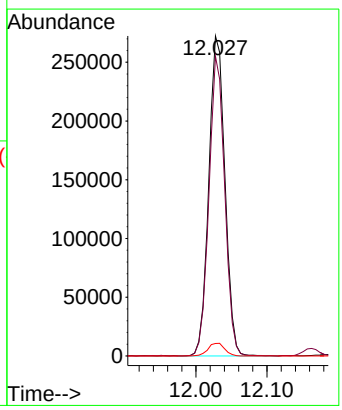


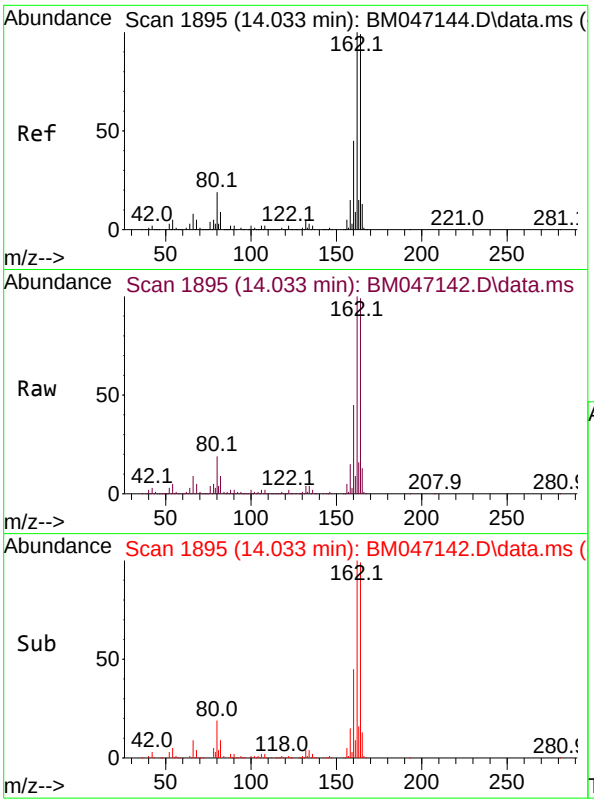


#38
1-Methylnaphthalene
Concen: 10.354 ng
RT: 12.027 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:142 Resp: 430690

Ion	Ratio	Lower	Upper
142	100		
141	93.6	74.6	111.8
116	3.9	3.1	4.7



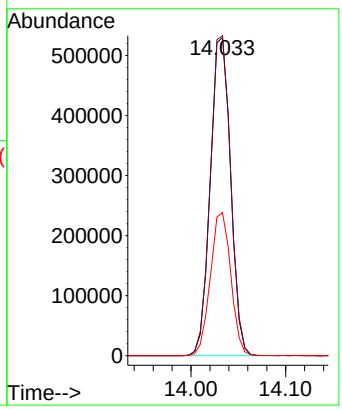


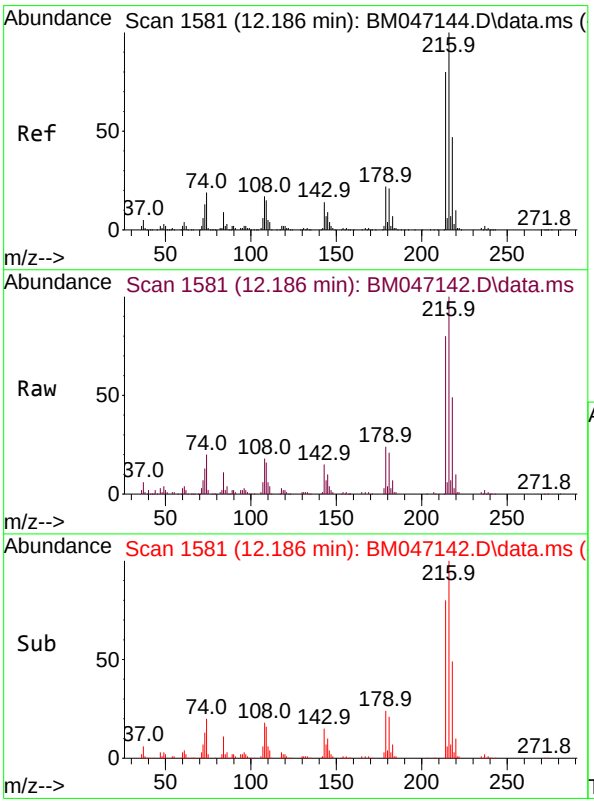
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 788651

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.7	121.1
160	45.0	36.0	54.0

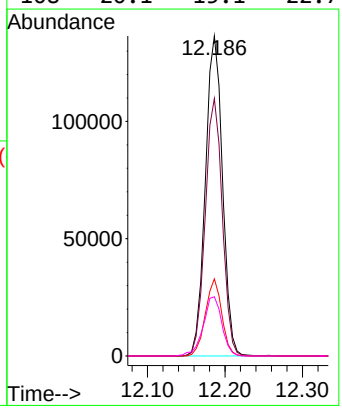


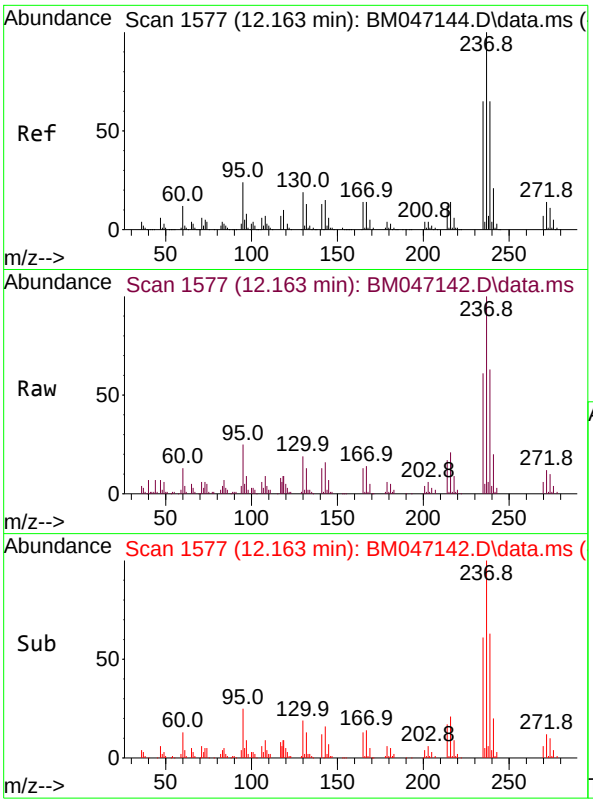


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.738 ng
RT: 12.186 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:216 Resp: 209468

Ion	Ratio	Lower	Upper
216	100		
214	80.0	63.4	95.2
179	23.0	17.6	26.4
108	20.1	15.1	22.7



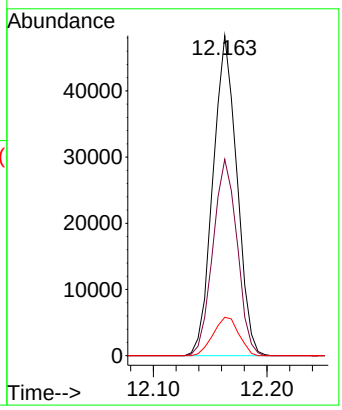


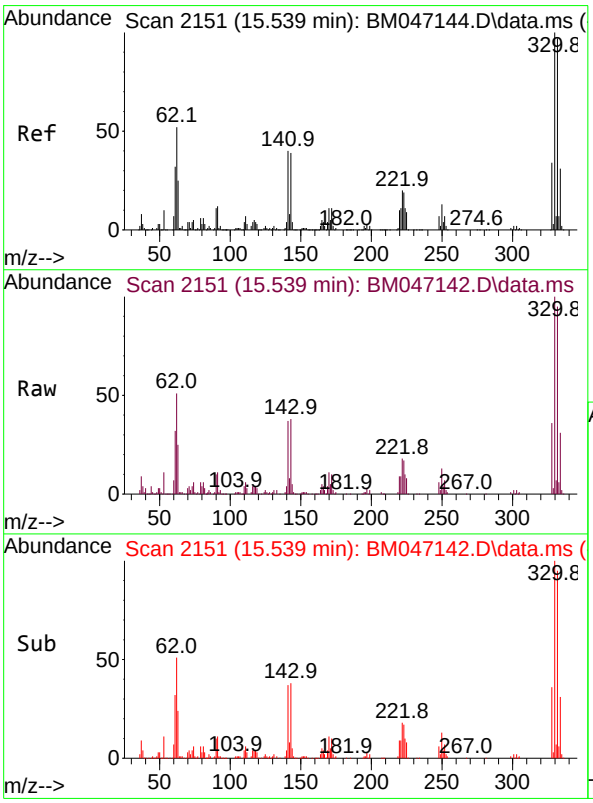
#41
Hexachlorocyclopentadiene
Concen: 9.423 ng
RT: 12.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 70782

Ion	Ratio	Lower	Upper
237	100		
235	61.3	44.8	84.8
272	12.0	0.0	33.5

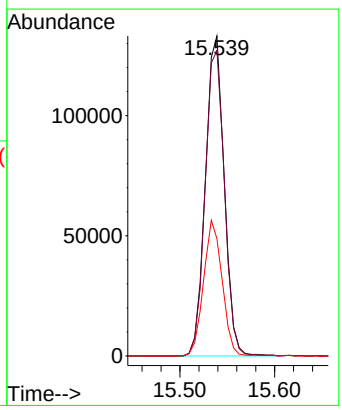


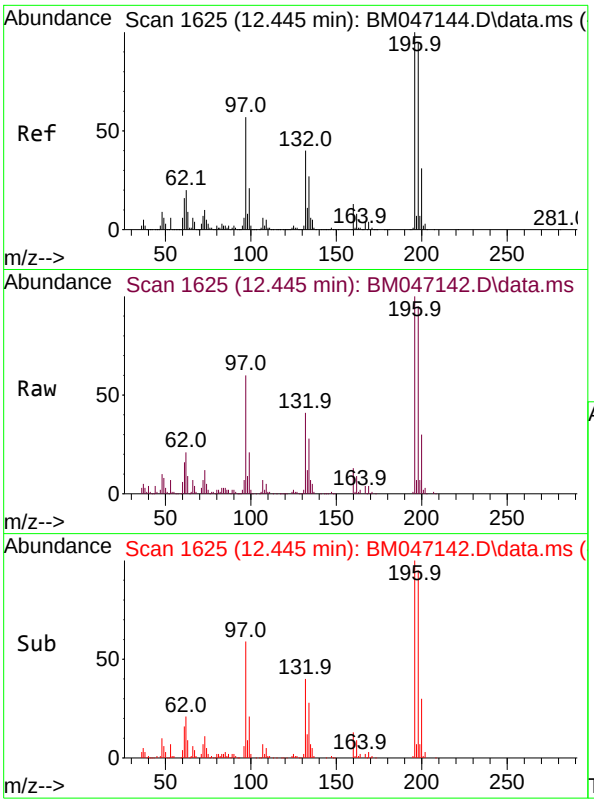


#42
2,4,6-Tribromophenol
Concen: 20.063 ng
RT: 15.539 min Scan# 2151
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:330 Resp: 183466

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.4	116.2
141	42.0	31.6	47.4



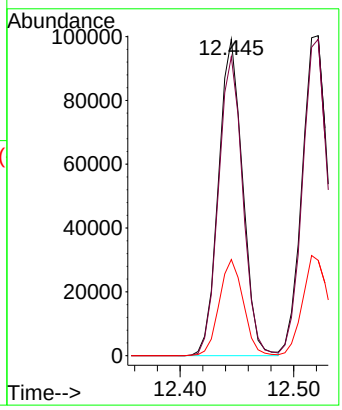


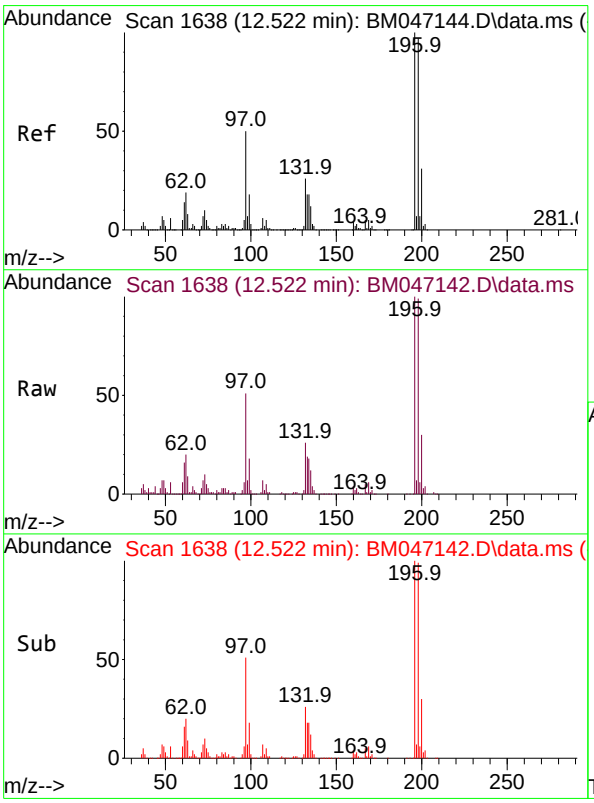
#43
2,4,6-Trichlorophenol
Concen: 9.593 ng
RT: 12.445 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 146662

Ion	Ratio	Lower	Upper
196	100		
198	94.5	75.6	113.4
200	30.4	24.6	37.0

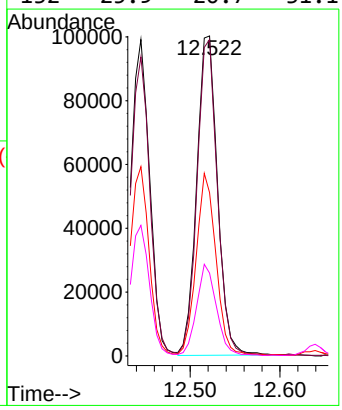


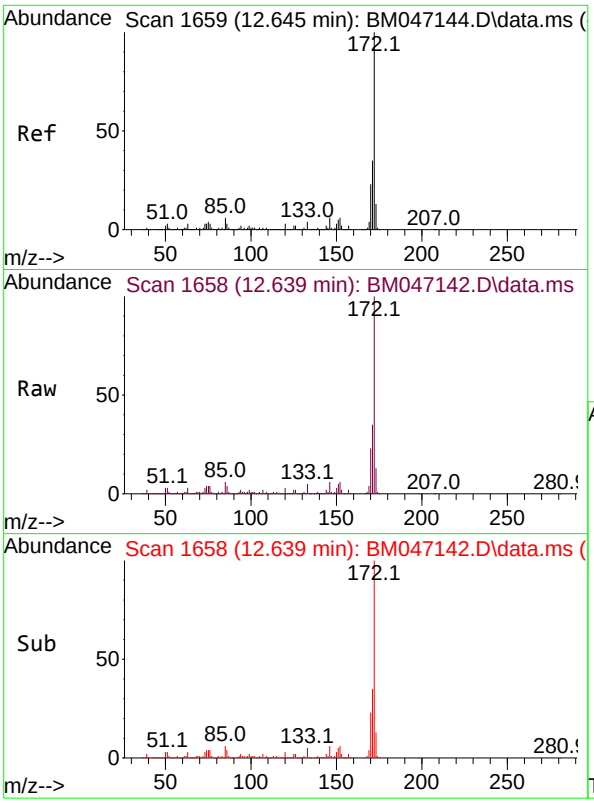


#44
2,4,5-Trichlorophenol
Concen: 9.520 ng
RT: 12.522 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:196 Resp: 161605

Ion	Ratio	Lower	Upper
196	100		
198	98.9	77.7	116.5
97	51.0	39.8	59.8
132	25.9	20.7	31.1



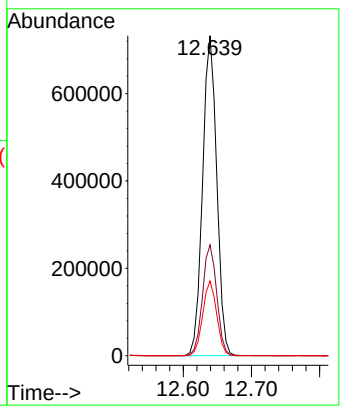


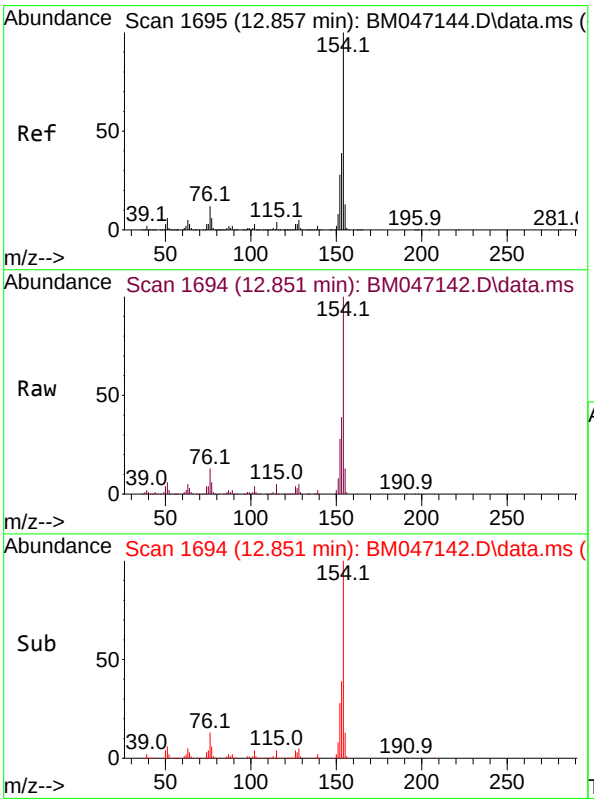
#45
2-Fluorobiphenyl
Concen: 20.688 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 1057713

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	23.4	18.7	28.1

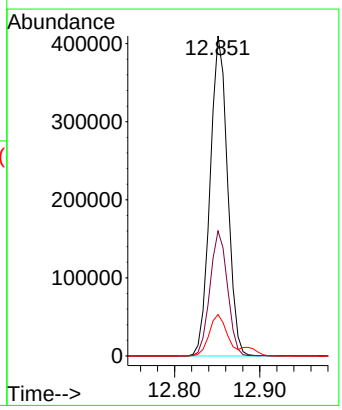


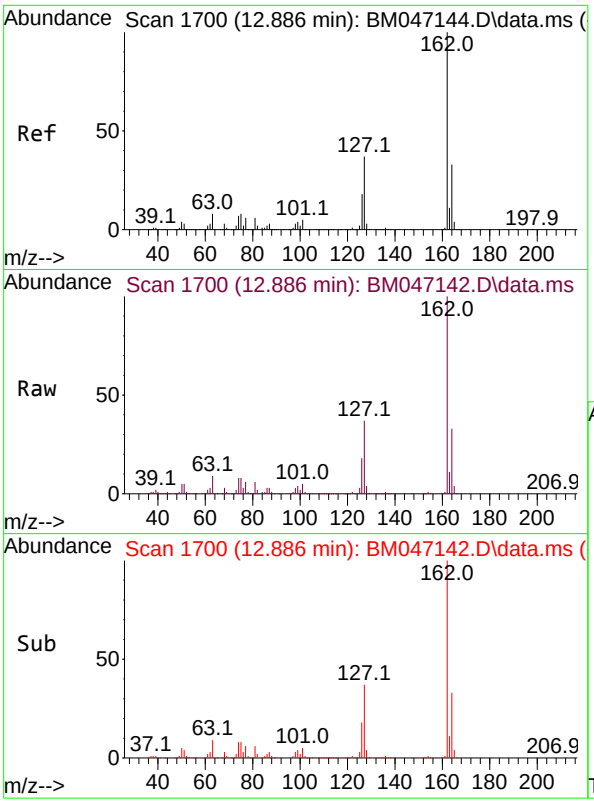


#46
1,1'-Biphenyl
Concen: 10.407 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:154 Resp: 584326

Ion	Ratio	Lower	Upper
154	100		
153	39.1	19.0	59.0
76	12.9	0.0	31.9



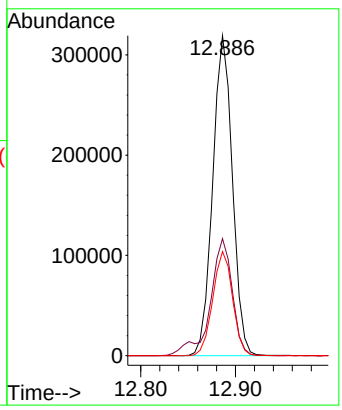


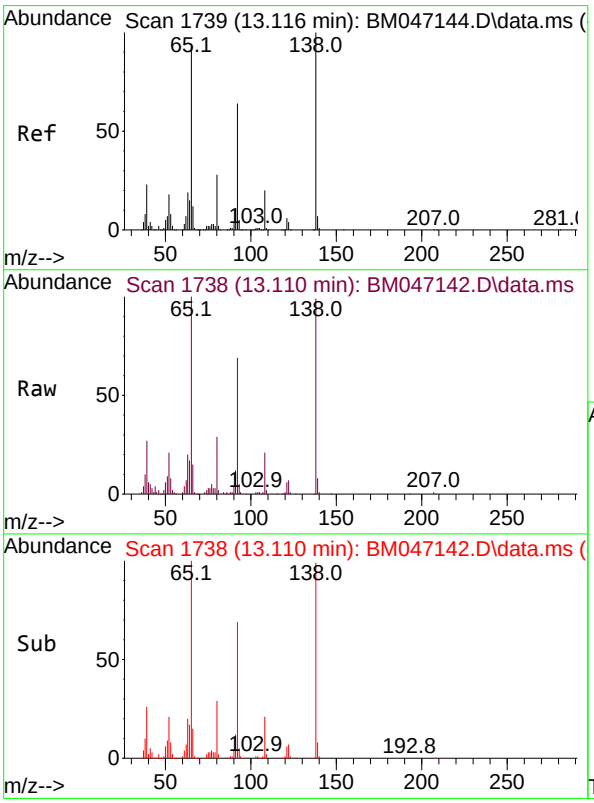
#47
2-Chloronaphthalene
Concen: 10.503 ng
RT: 12.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 460927

Ion	Ratio	Lower	Upper
162	100		
127	36.6	30.0	45.0
164	32.6	26.3	39.5

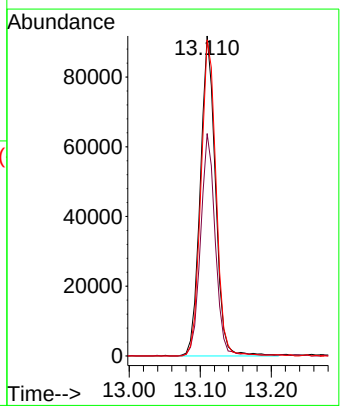


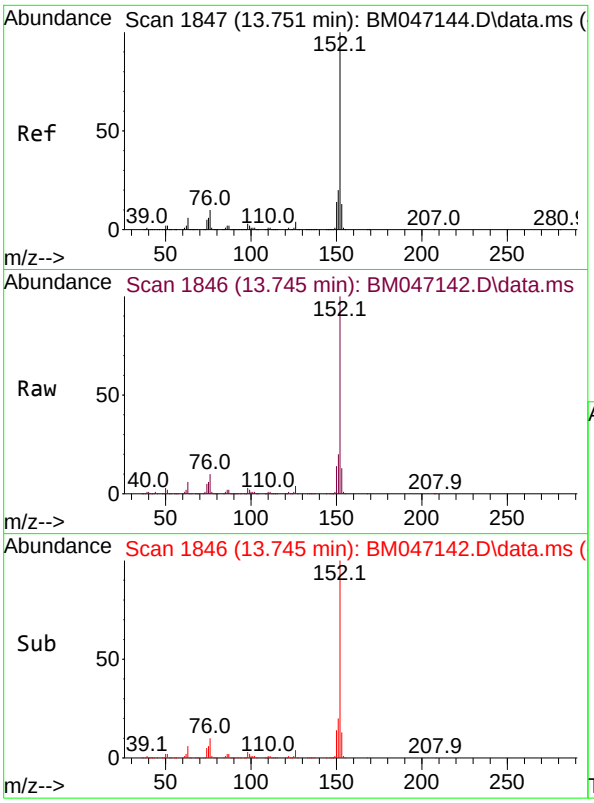


#48
2-Nitroaniline
Concen: 9.925 ng
RT: 13.110 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion: 65 Resp: 136444

Ion	Ratio	Lower	Upper
65	100		
92	69.5	55.1	82.7
138	98.8	85.9	128.9



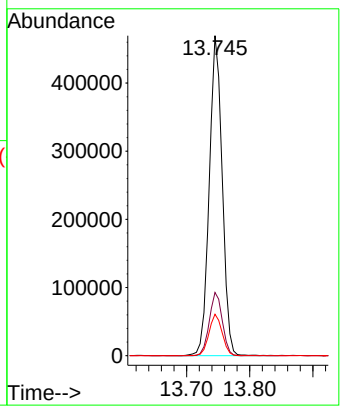


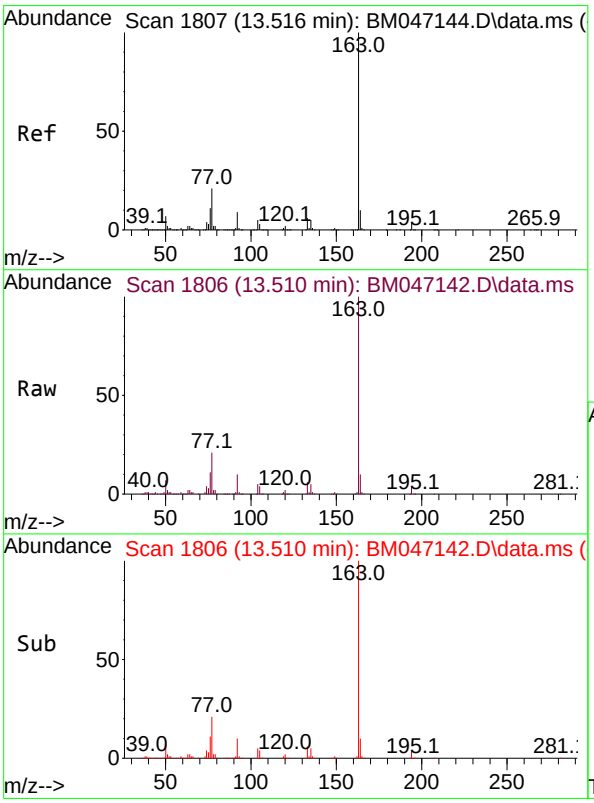
#49
Acenaphthylene
Concen: 10.358 ng
RT: 13.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 669998

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.0	10.4	15.6

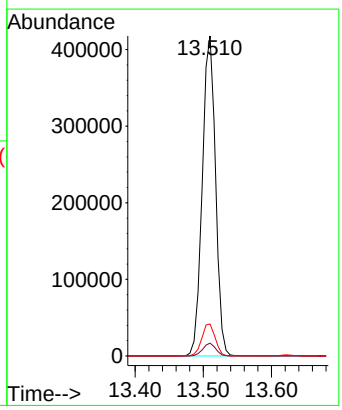


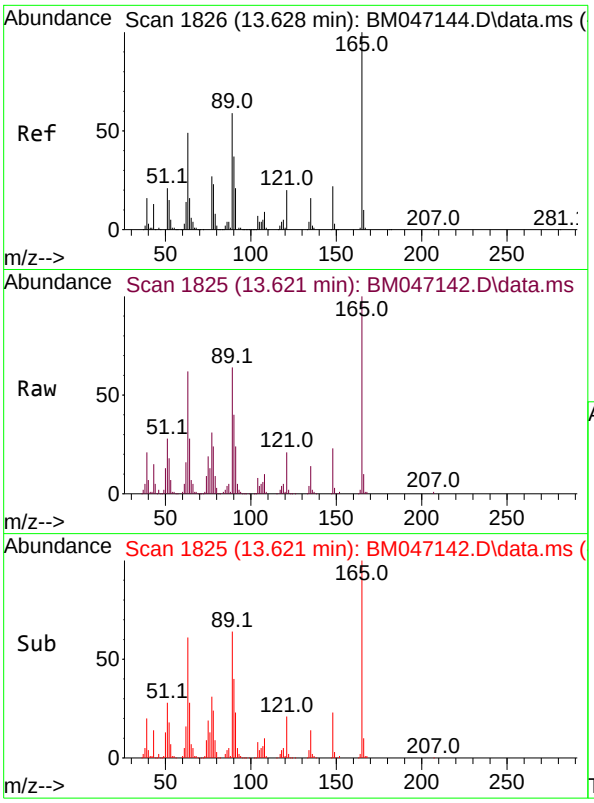


#50
Dimethylphthalate
Concen: 10.259 ng
RT: 13.510 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:163 Resp: 565056

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	10.0	8.0	12.0



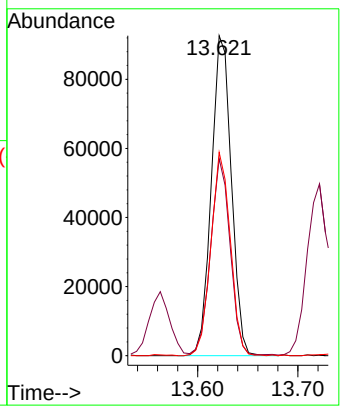


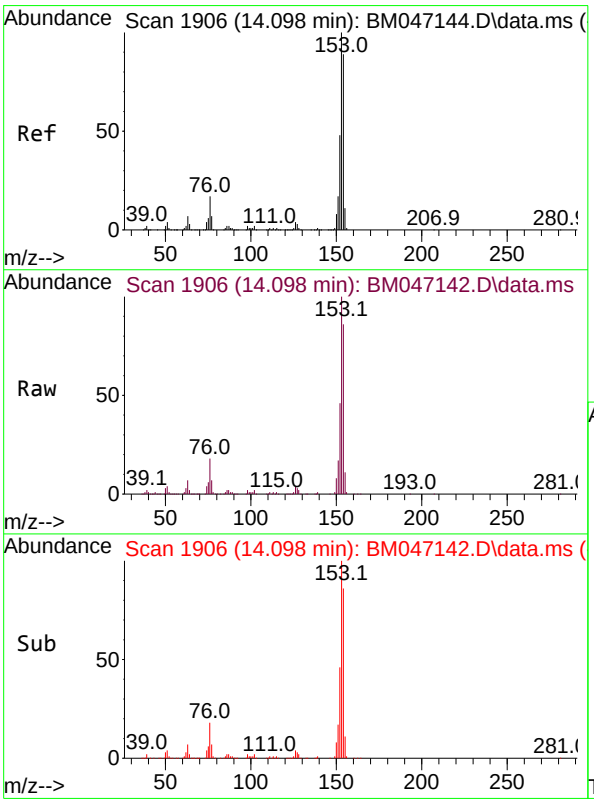
#51
2,6-Dinitrotoluene
Concen: 9.954 ng
RT: 13.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 128162

Ion	Ratio	Lower	Upper
165	100		
63	61.6	46.5	69.7
89	63.5	47.3	70.9

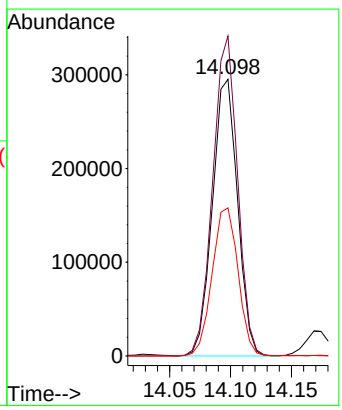


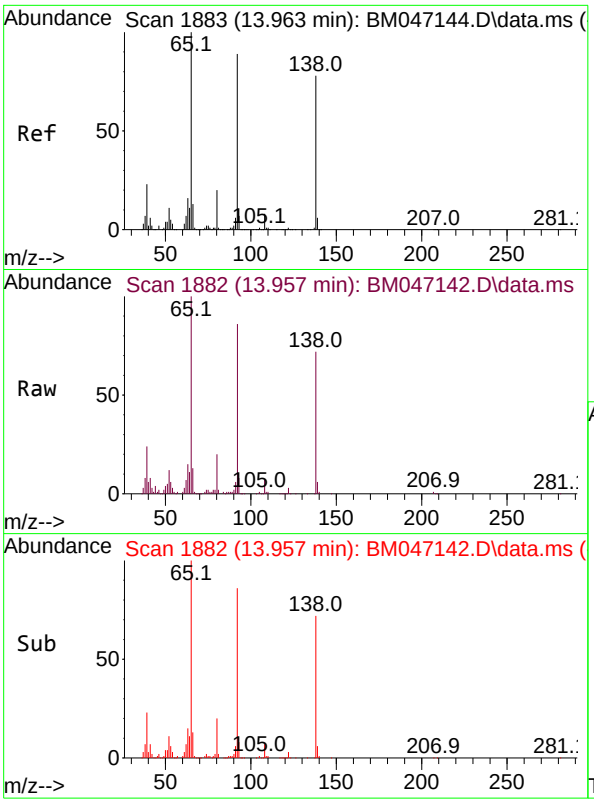


#52
Acenaphthene
Concen: 10.367 ng
RT: 14.098 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:154 Resp: 425366

Ion	Ratio	Lower	Upper
154	100		
153	115.7	90.3	135.5
152	53.6	42.9	64.3



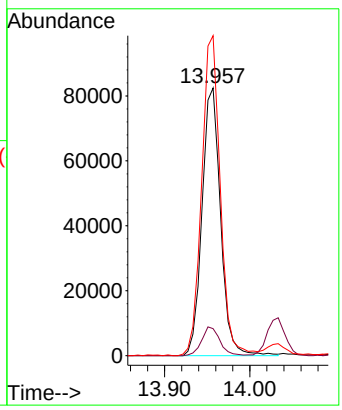


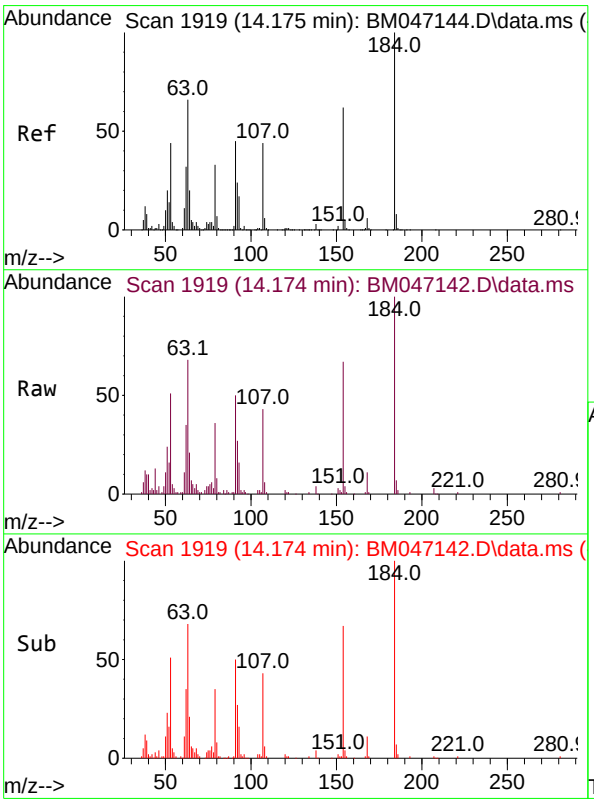
#53
3-Nitroaniline
Concen: 9.674 ng
RT: 13.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 124808

Ion	Ratio	Lower	Upper
138	100		
108	10.1	7.9	11.9
92	119.5	92.0	138.0

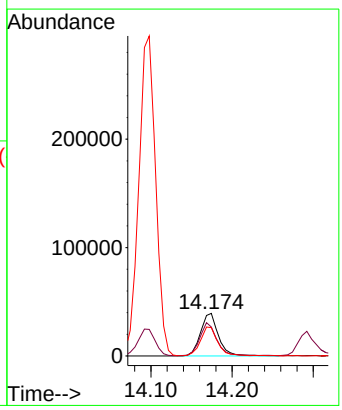


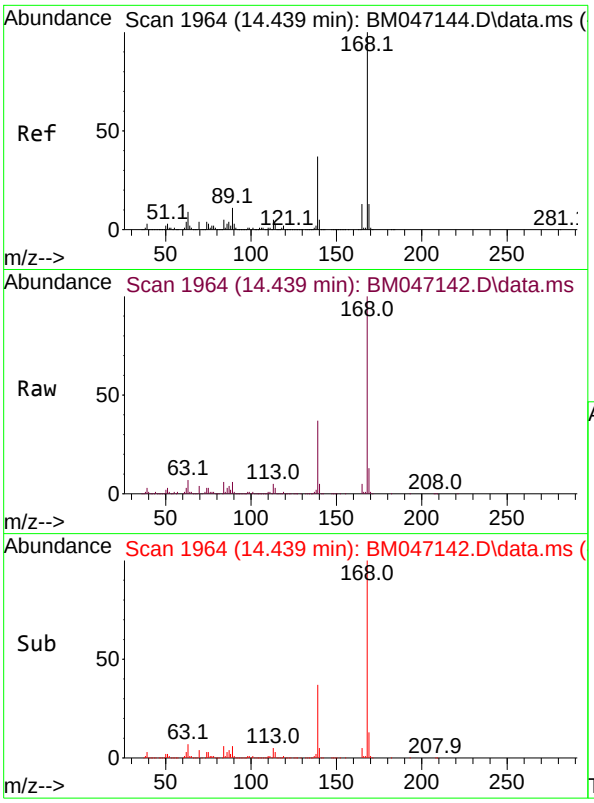


#54
2,4-Dinitrophenol
Concen: 7.780 ng
RT: 14.174 min Scan# 1919
Delta R.T. -0.001 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:184 Resp: 60036

Ion	Ratio	Lower	Upper
184	100		
63	68.4	52.7	79.1
154	66.6	50.4	75.6



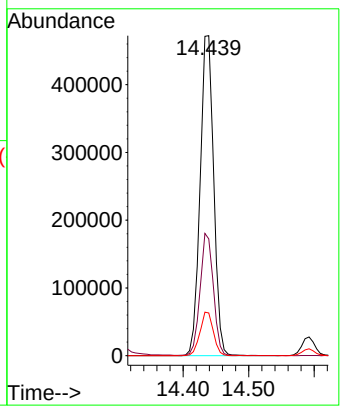


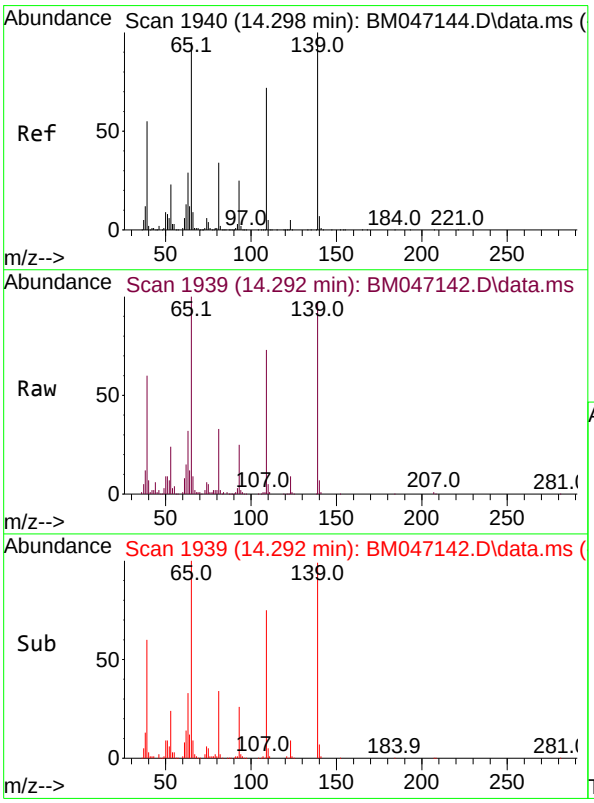
#55
Dibenzofuran
Concen: 10.530 ng
RT: 14.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 682447

Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.6	44.4
169	13.3	10.7	16.1

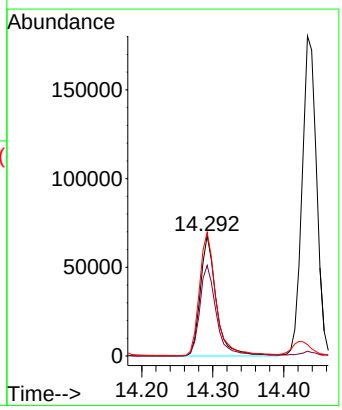


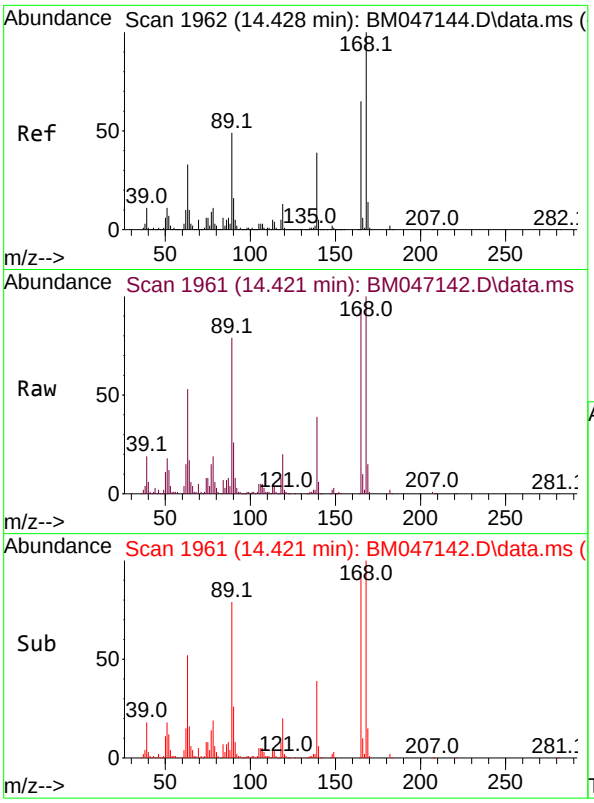


#56
4-Nitrophenol
Concen: 9.511 ng
RT: 14.292 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:139 Resp: 105813

Ion	Ratio	Lower	Upper
139	100		
109	75.3	52.5	92.5
65	103.0	75.4	115.4



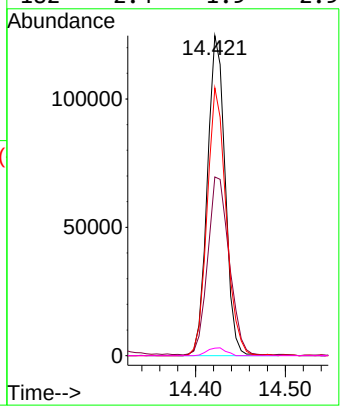


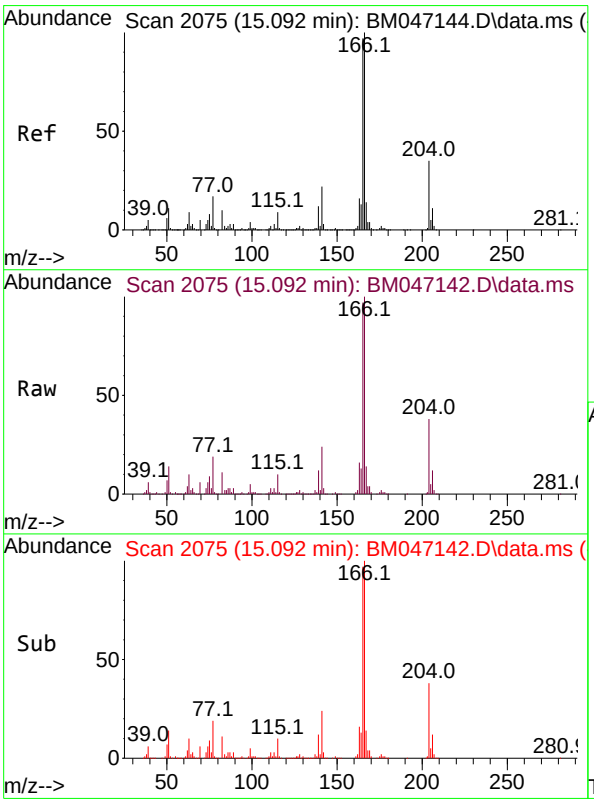
#57
2,4-Dinitrotoluene
Concen: 9.982 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 171542

Ion	Ratio	Lower	Upper
165	100		
63	55.8	40.3	60.5
89	83.7	61.0	91.6
182	2.4	1.9	2.9

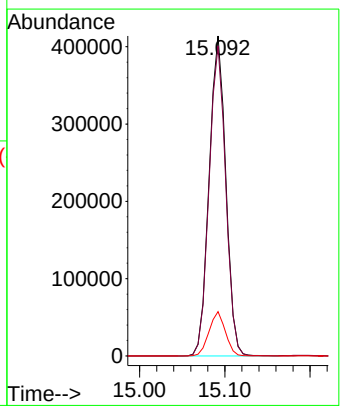


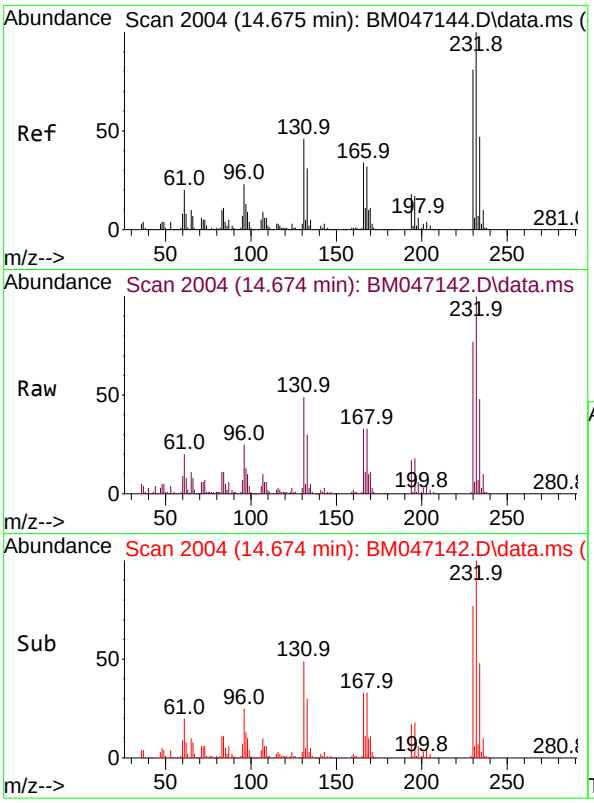


#58
Fluorene
Concen: 10.527 ng
RT: 15.092 min Scan# 2075
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:166 Resp: 562937

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.4	116.0
167	13.8	11.0	16.6



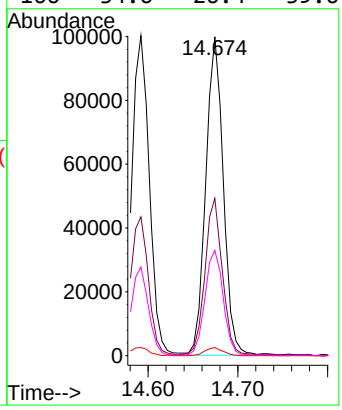


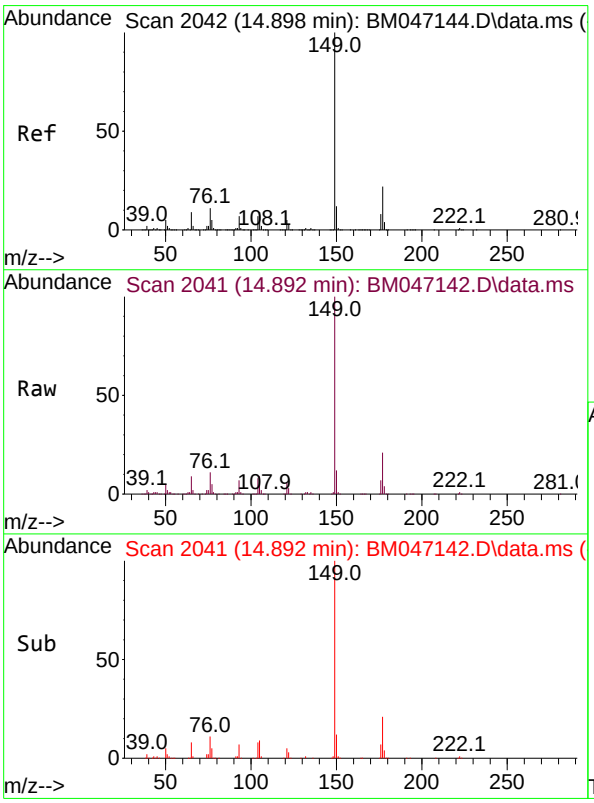
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.739 ng
RT: 14.674 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 135880

Ion	Ratio	Lower	Upper
232	100		
131	50.0	36.9	55.3
130	2.6	2.0	3.0
166	34.6	26.4	39.6

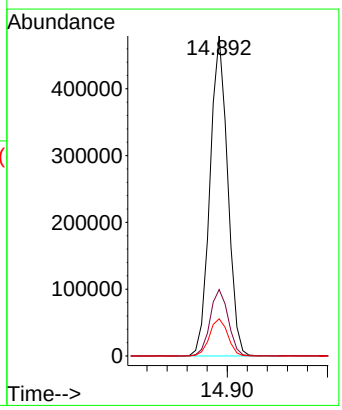


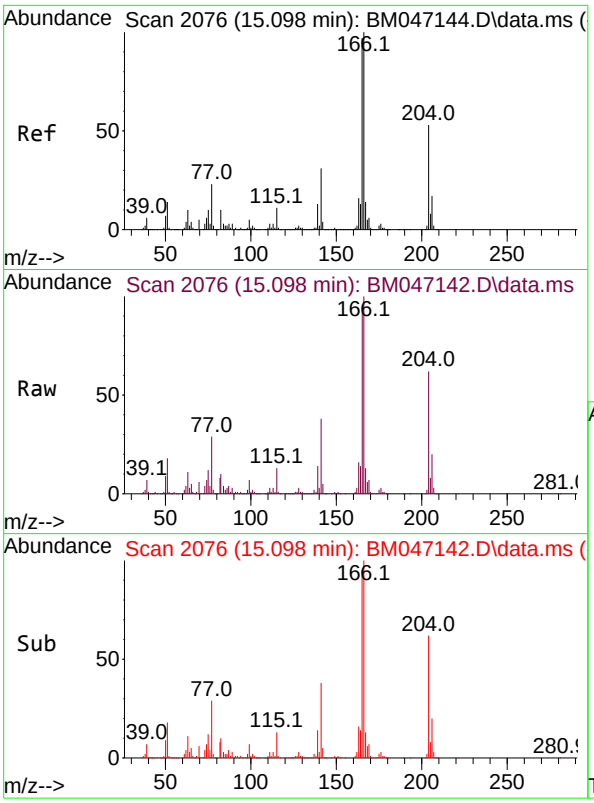


#60
Diethylphthalate
Concen: 10.418 ng
RT: 14.892 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:149 Resp: 586005

Ion	Ratio	Lower	Upper
149	100		
177	20.7	17.6	26.4
150	11.6	9.8	14.6



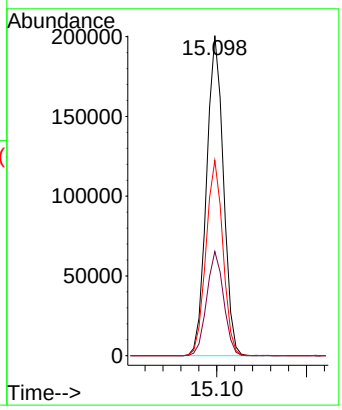


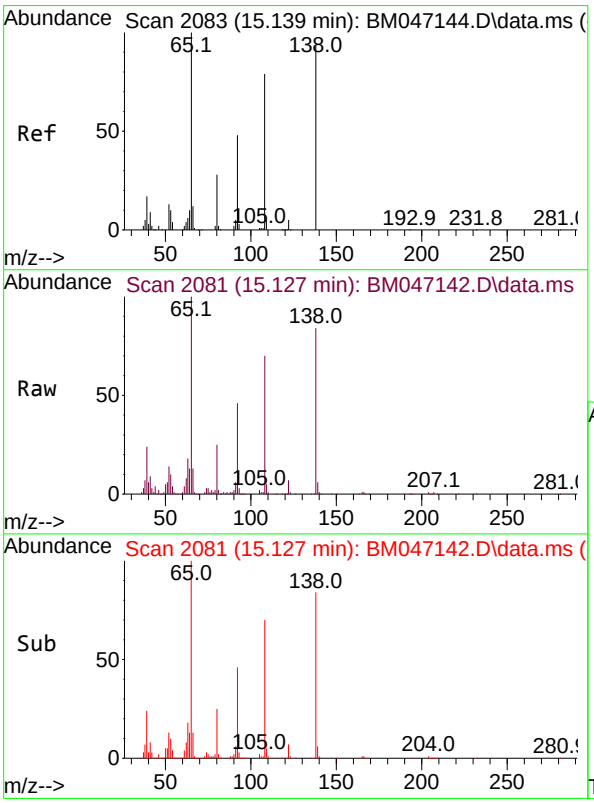
#61
4-Chlorophenyl-phenylether
Concen: 10.269 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 261449

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.2	39.4
141	61.1	47.2	70.8

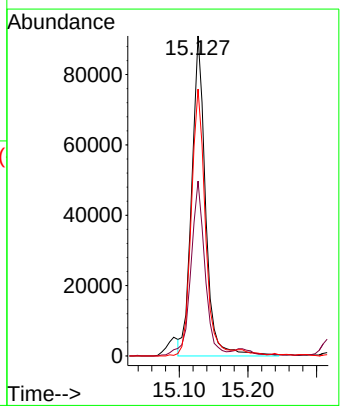


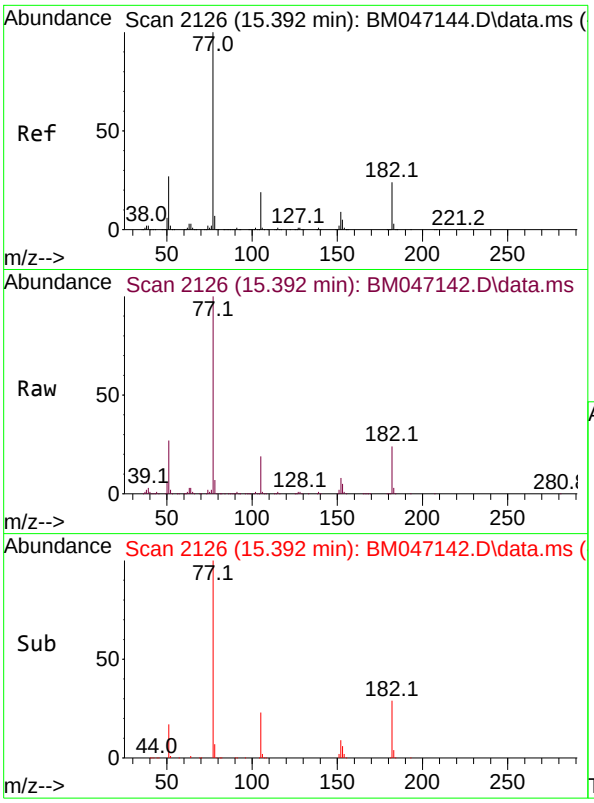


#62
4-Nitroaniline
Concen: 10.065 ng m
RT: 15.127 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:138 Resp: 127938

Ion	Ratio	Lower	Upper
138	100		
92	54.7	31.9	71.9
108	83.4	63.8	103.8



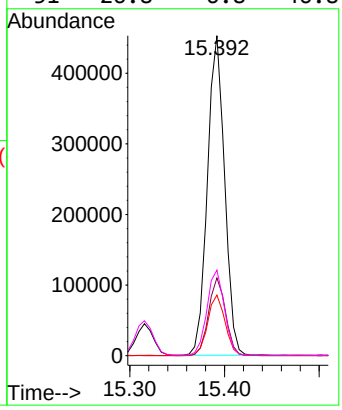


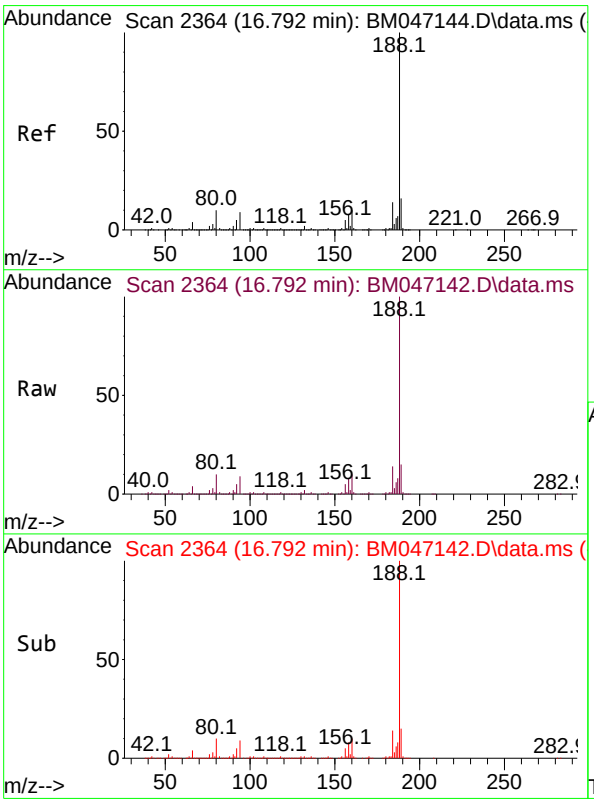
#63
Azobenzene
Concen: 10.685 ng
RT: 15.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 569823

Ion	Ratio	Lower	Upper
77	100		
182	24.3	3.8	43.8
105	18.9	0.0	39.5
51	26.8	6.8	46.8

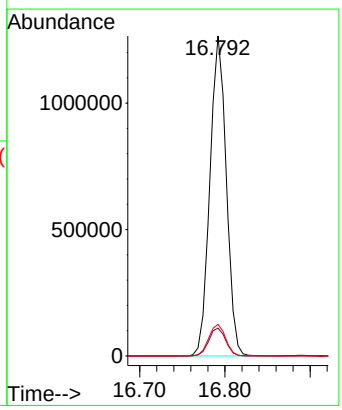


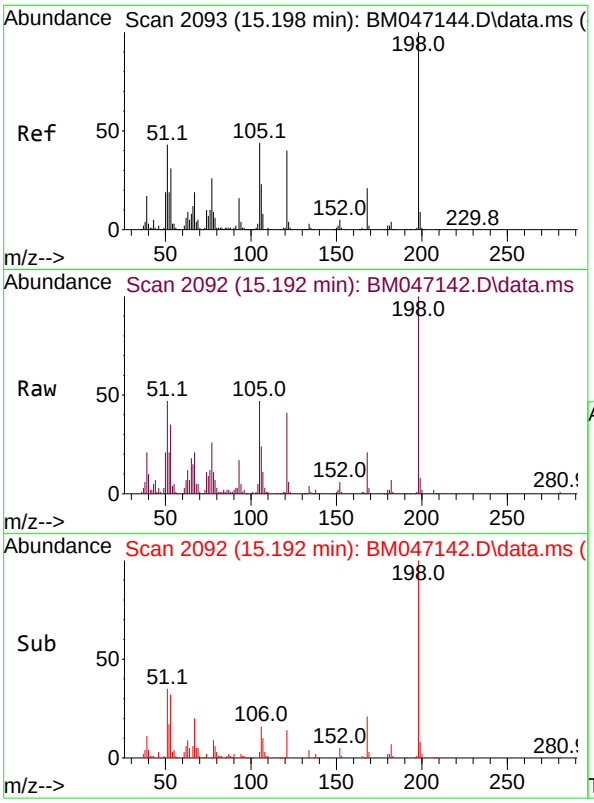


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:188 Resp: 1690400

Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.0	10.6
80	9.9	8.0	12.0



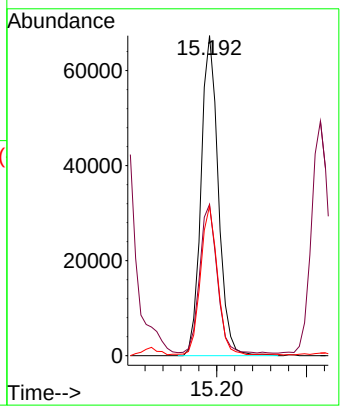


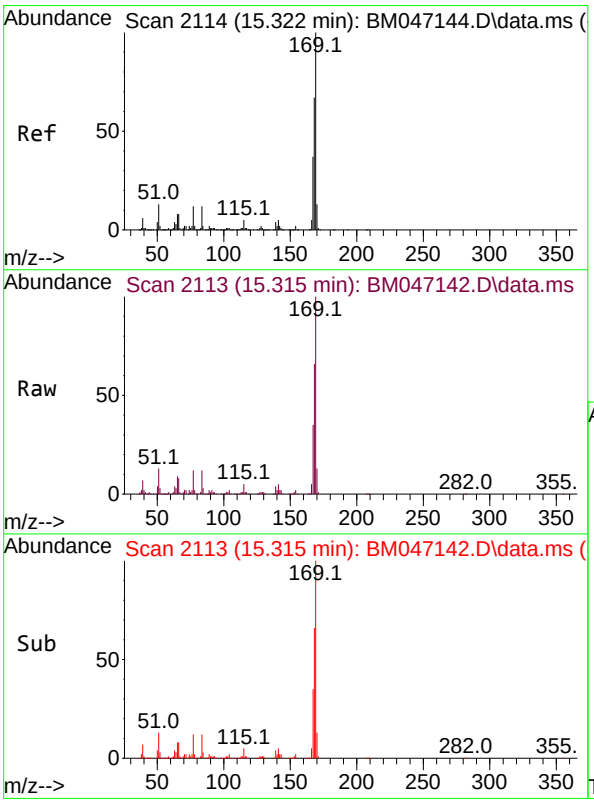
#65
4,6-Dinitro-2-methylphenol
Concen: 9.095 ng
RT: 15.192 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 90017

Ion	Ratio	Lower	Upper
198	100		
51	47.3	23.9	63.9
105	46.8	24.3	64.3

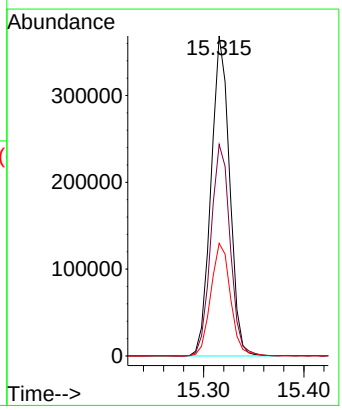


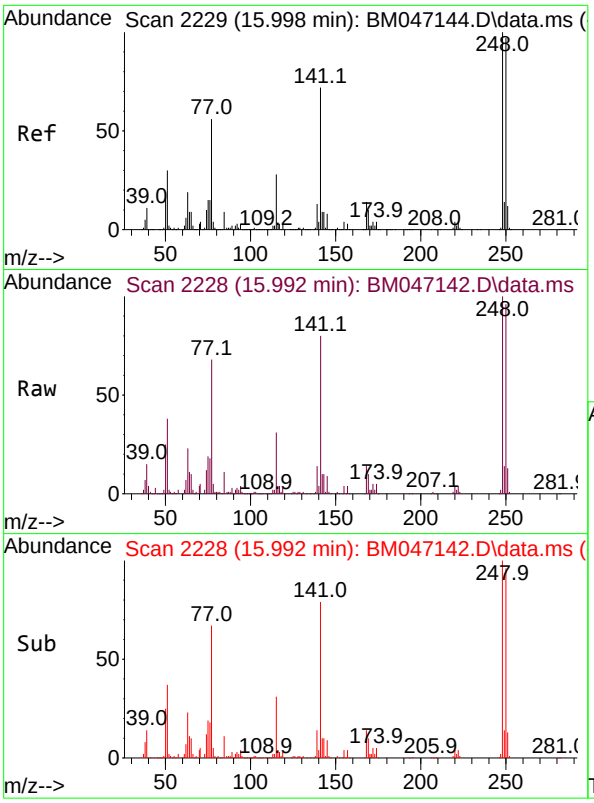


#66
n-Nitrosodiphenylamine
Concen: 10.289 ng
RT: 15.315 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:169 Resp: 473749

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.8	80.8
167	35.2	29.3	43.9



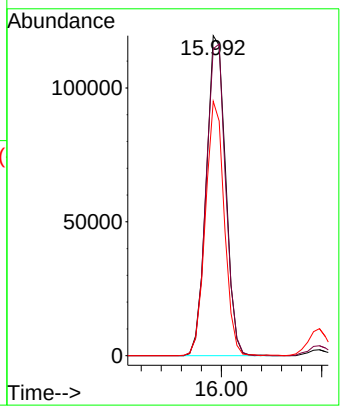


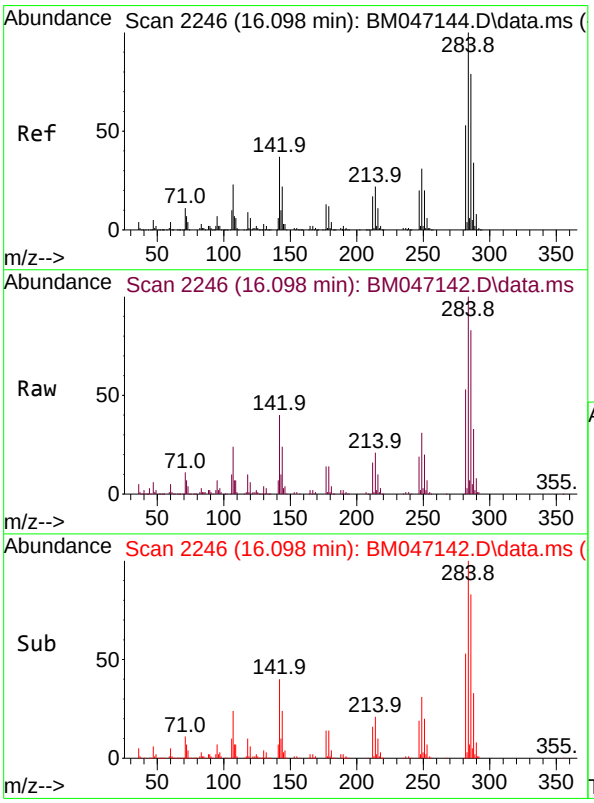
#67
4-Bromophenyl-phenylether
Concen: 9.845 ng
RT: 15.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 160370

Ion	Ratio	Lower	Upper
248	100		
250	95.9	77.8	116.8
141	79.5	57.7	86.5

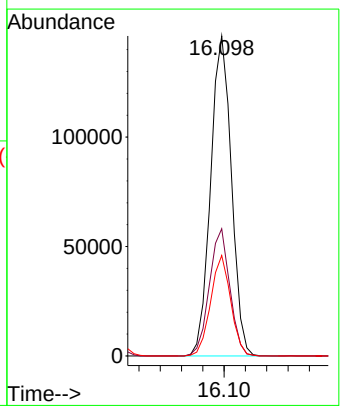


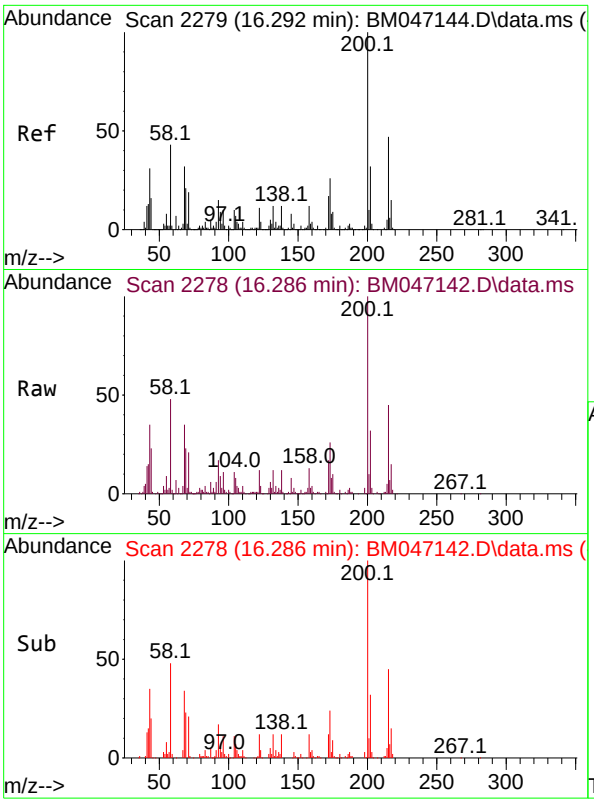


#68
Hexachlorobenzene
Concen: 10.157 ng
RT: 16.098 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:284 Resp: 198141

Ion	Ratio	Lower	Upper
284	100		
142	39.7	29.4	44.0
249	31.4	25.1	37.7



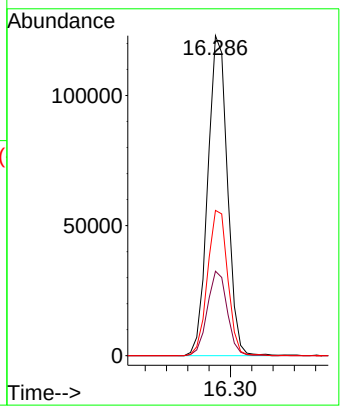


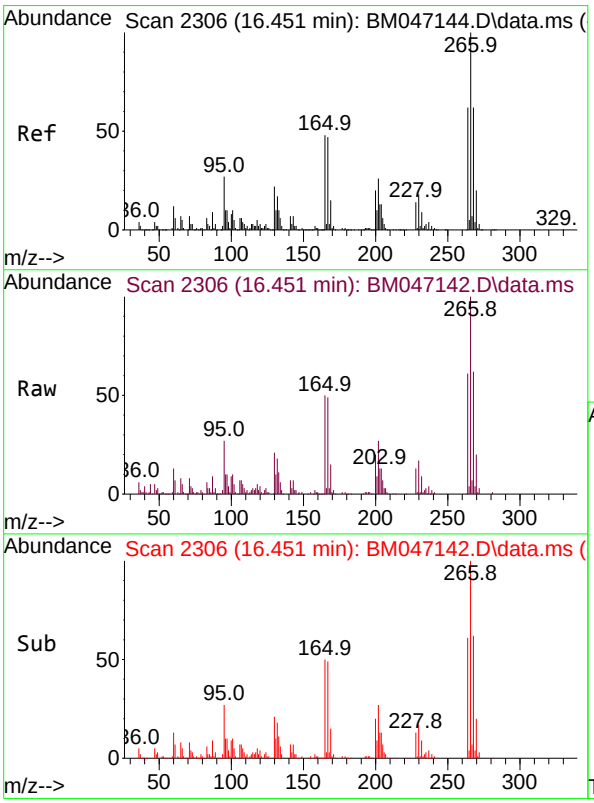
#69
Atrazine
Concen: 11.344 ng
RT: 16.286 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 157170

Ion	Ratio	Lower	Upper
200	100		
173	26.4	6.1	46.1
215	45.4	26.8	66.8

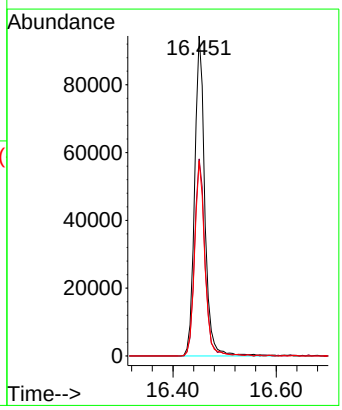


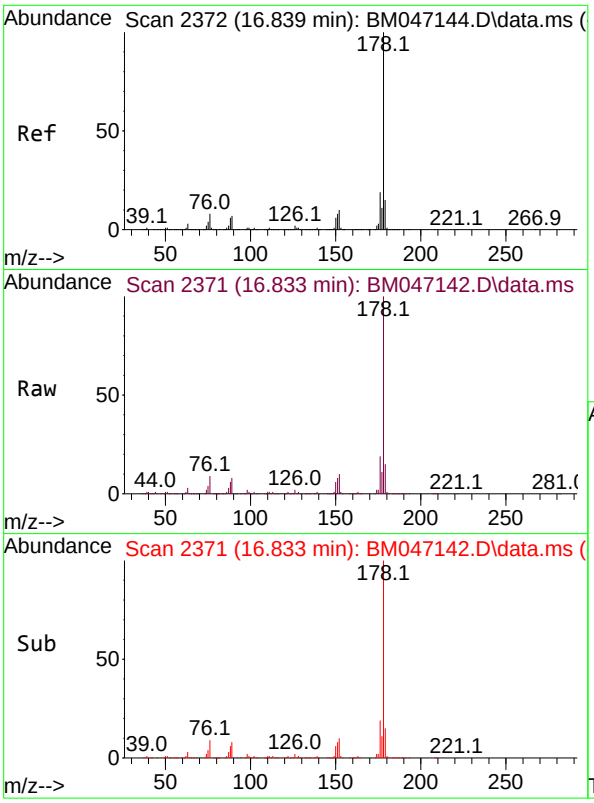


#70
Pentachlorophenol
Concen: 9.411 ng
RT: 16.451 min Scan# 2306
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:266 Resp: 128691

Ion	Ratio	Lower	Upper
266	100		
268	61.6	49.8	74.6
264	61.0	49.6	74.4



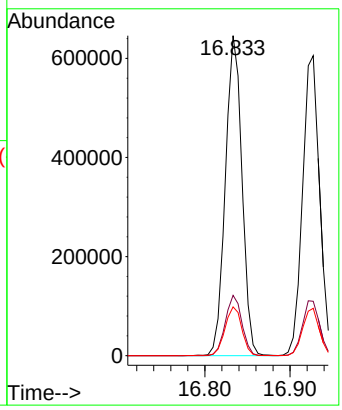


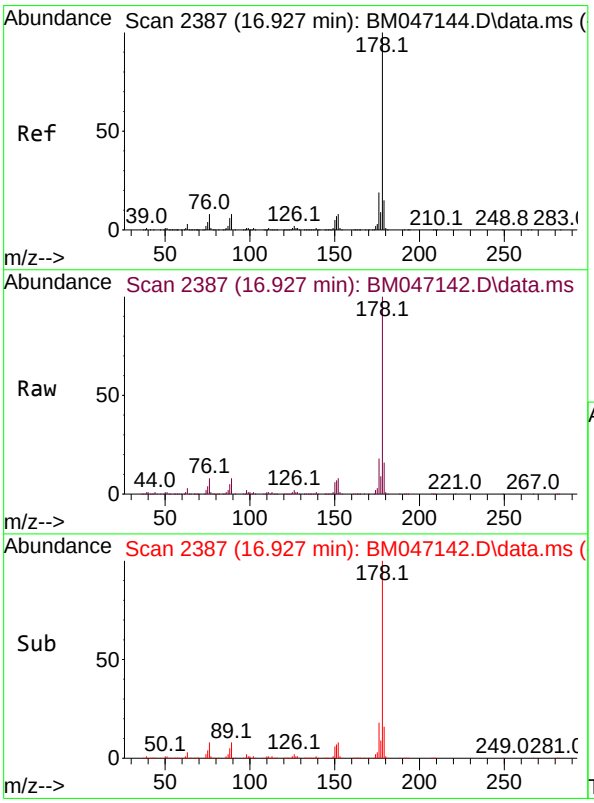
#71
Phenanthrene
Concen: 10.313 ng
RT: 16.833 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 874873

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.3	12.4	18.6

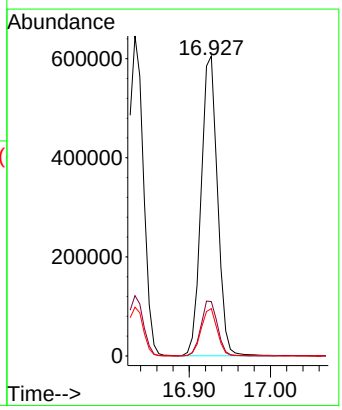


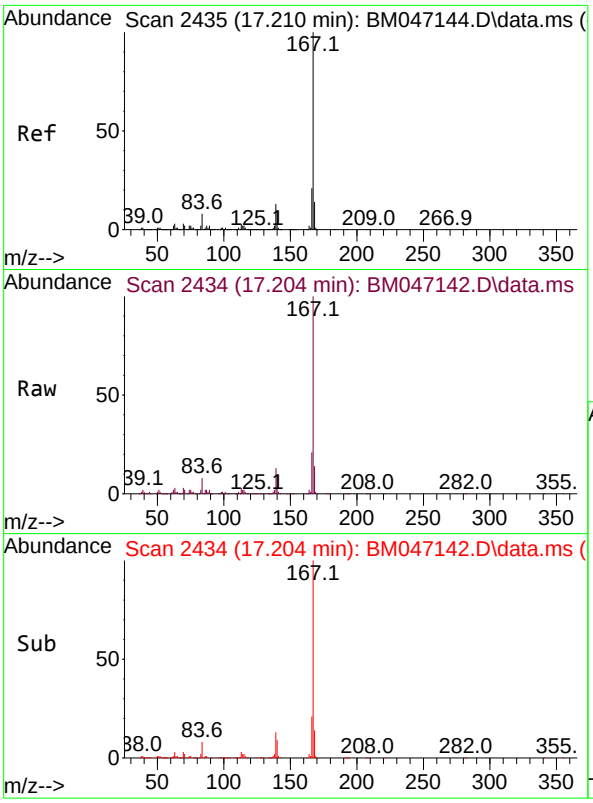


#72
Anthracene
Concen: 10.243 ng
RT: 16.927 min Scan# 2387
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:178 Resp: 845520

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.8	22.2
179	15.8	12.4	18.6



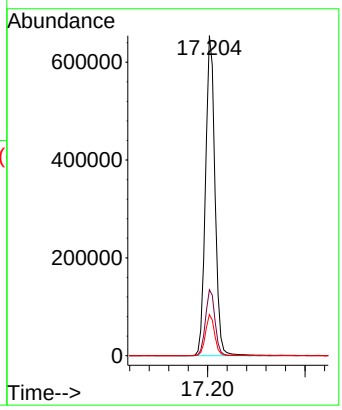


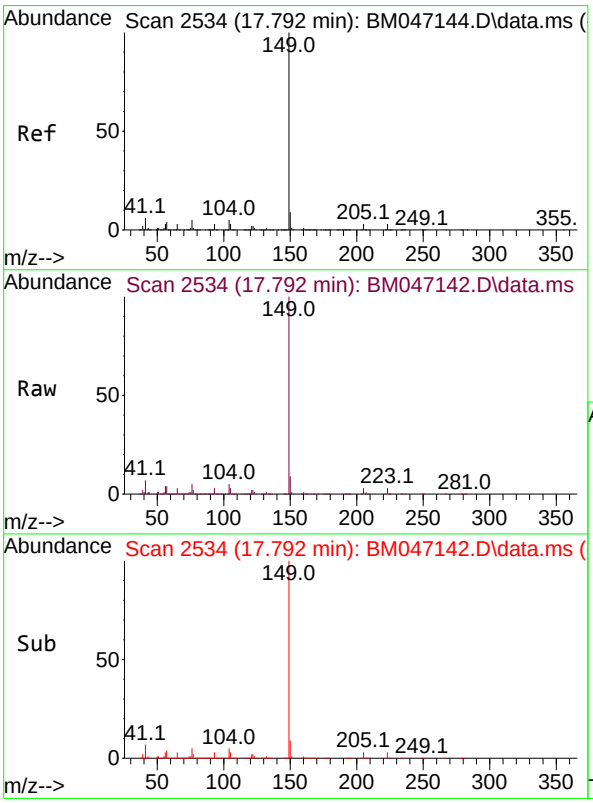
#73
Carbazole
Concen: 10.437 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 879612

Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.1	25.7
139	12.8	10.0	15.0

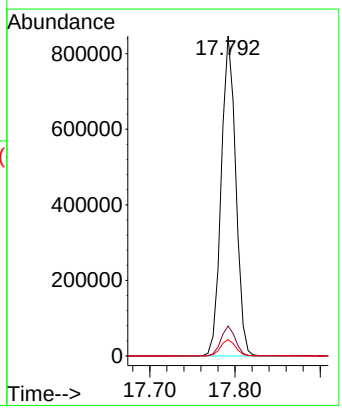


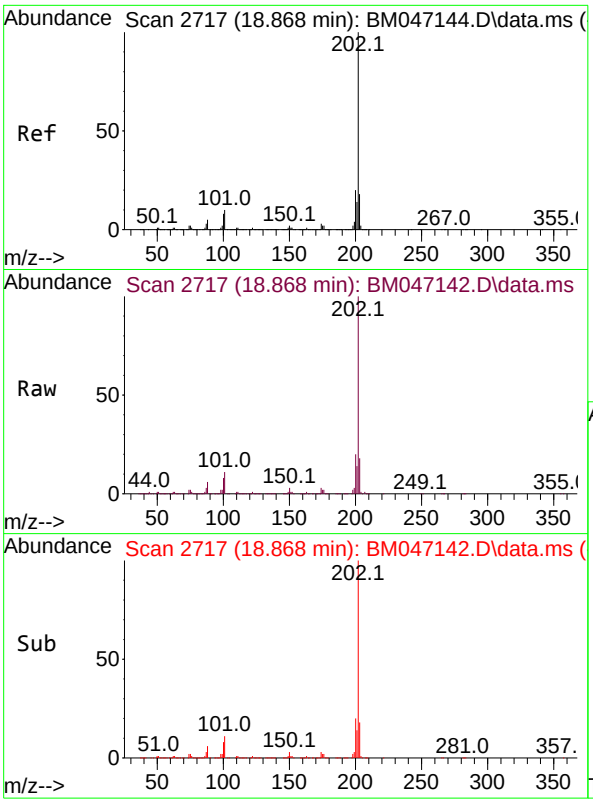


#74
Di-n-butylphthalate
Concen: 10.231 ng
RT: 17.792 min Scan# 2534
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:149 Resp: 1003294

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.1	4.1	6.1



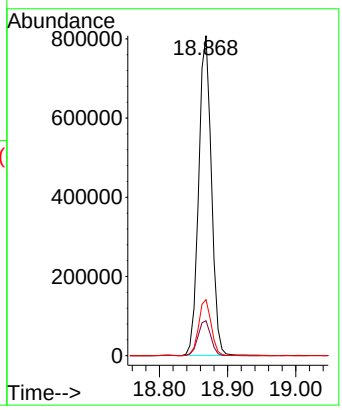


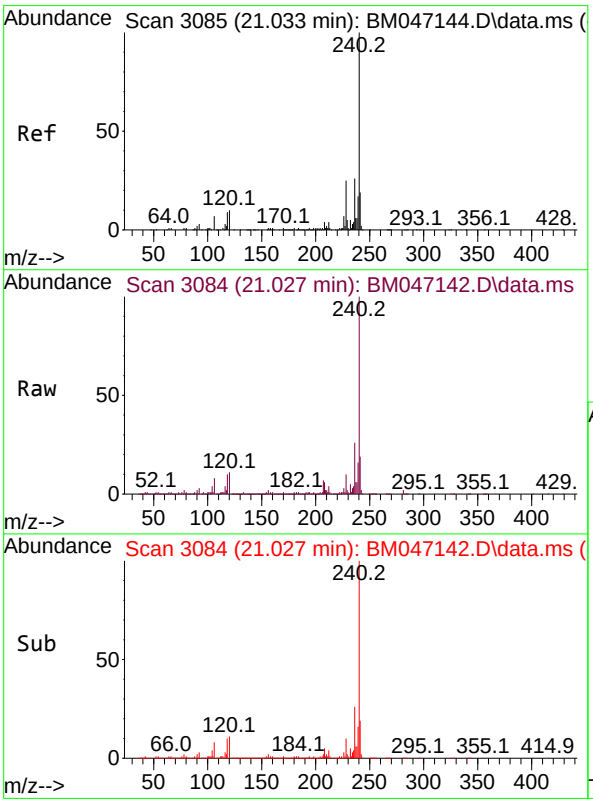
#75
Fluoranthene
Concen: 10.152 ng
RT: 18.868 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 1047590

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.2
203	17.5	0.0	37.6

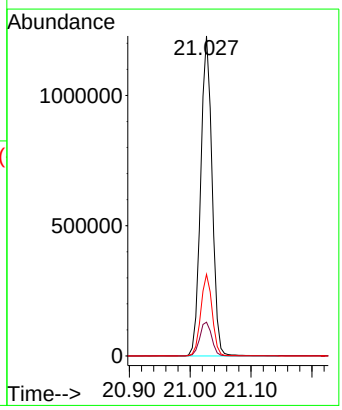


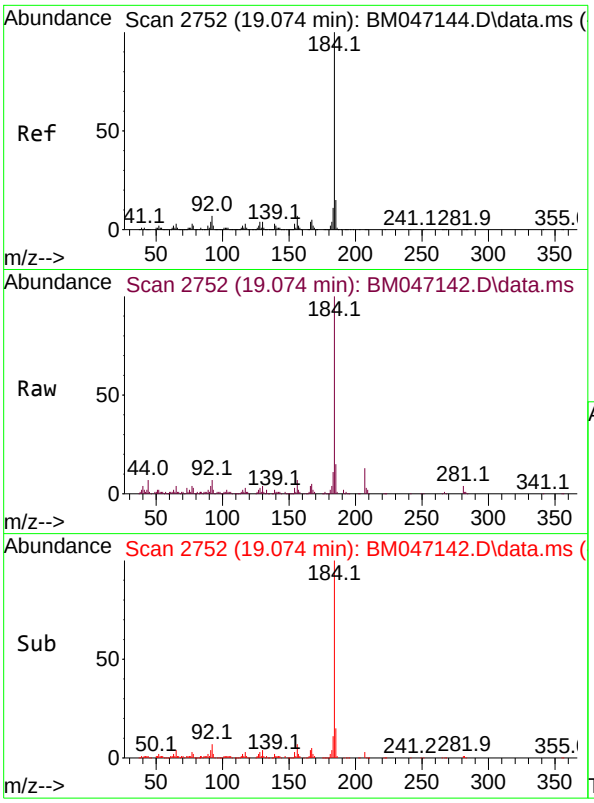


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3084
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:240 Resp: 1593166

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.2	12.2
236	25.5	20.6	30.8



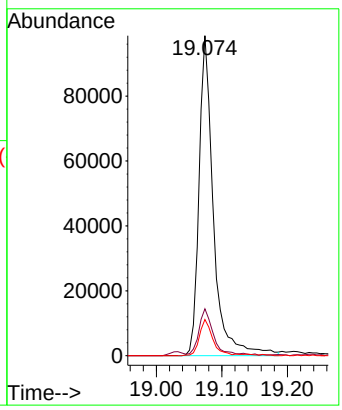


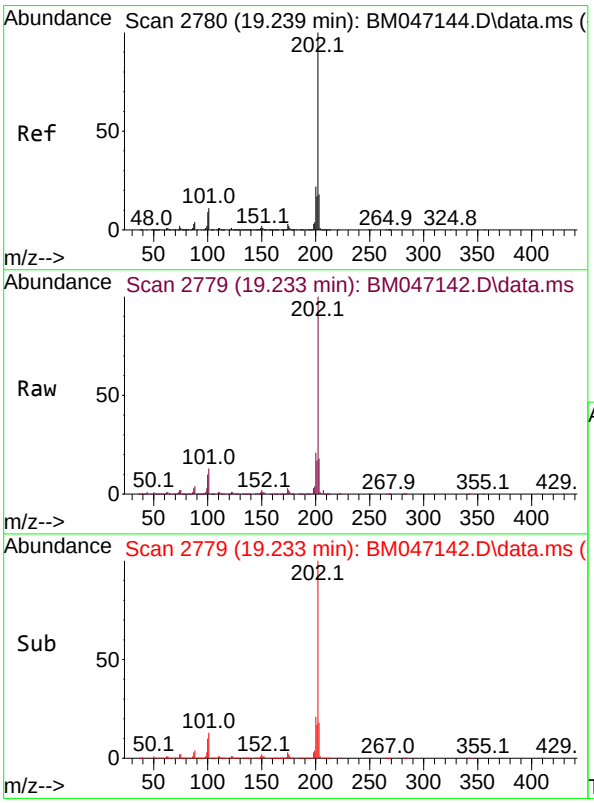
#77
Benzidine
Concen: 5.602 ng
RT: 19.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 151348

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.8	17.6
183	11.3	9.0	13.6

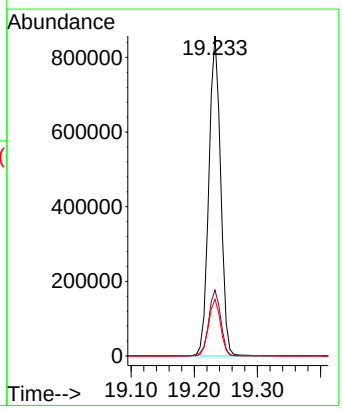


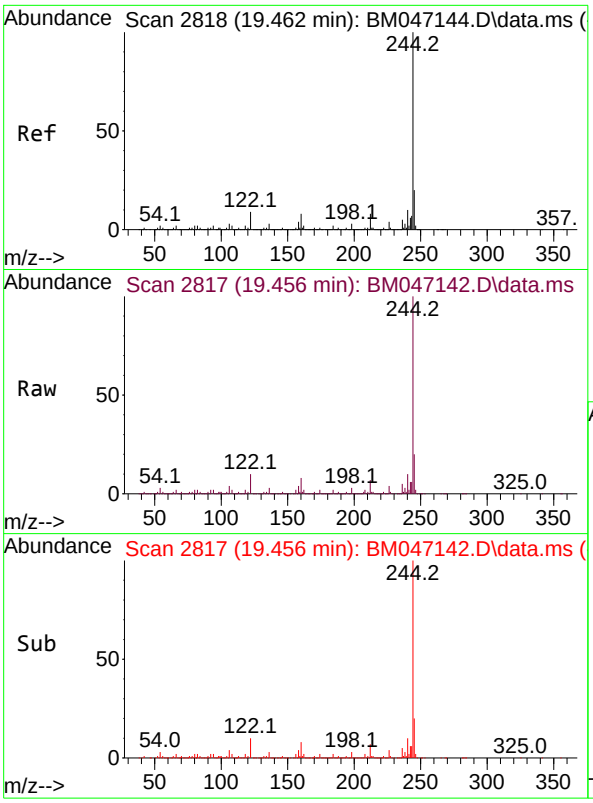


#78
Pyrene
Concen: 9.792 ng
RT: 19.233 min Scan# 2779
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:202 Resp: 1113925

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.2	25.8
203	17.7	14.2	21.2



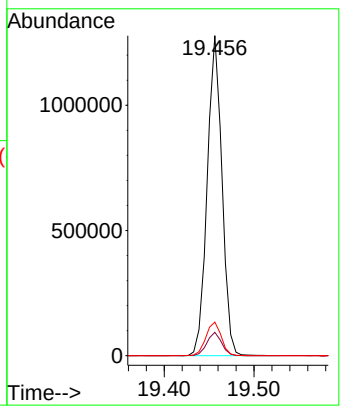


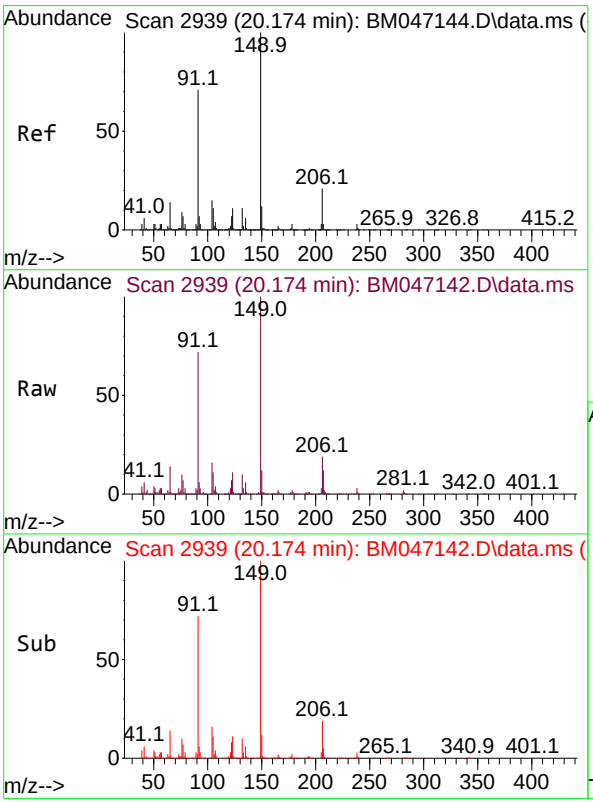
#79
Terphenyl-d14
Concen: 19.636 ng
RT: 19.456 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 1459931

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.4
122	10.5	7.1	10.7

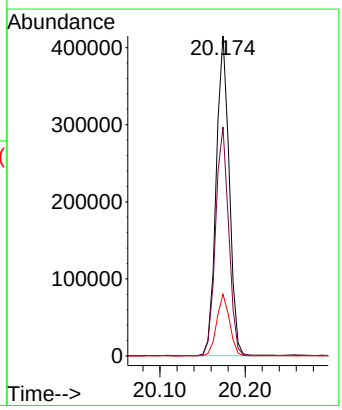


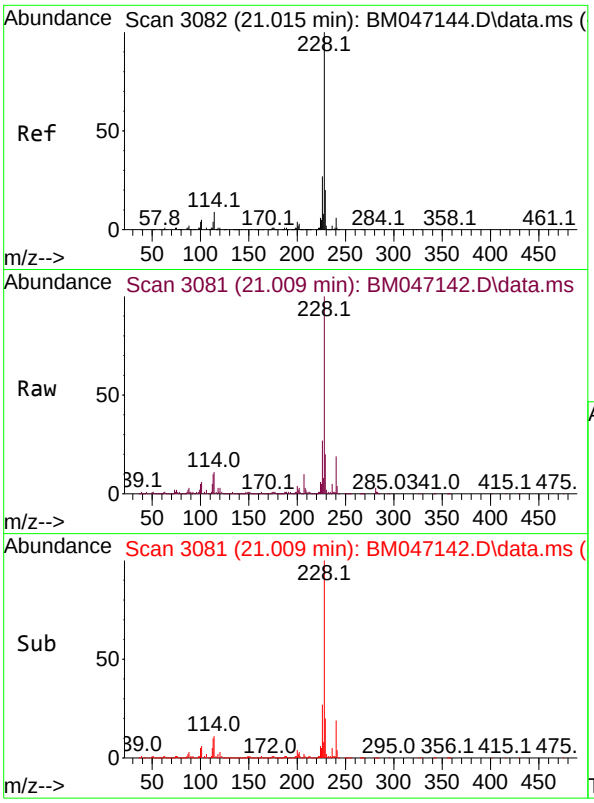


#80
Butylbenzylphthalate
Concen: 9.467 ng
RT: 20.174 min Scan# 2939
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:149 Resp: 439513

Ion	Ratio	Lower	Upper
149	100		
91	71.5	57.0	85.4
206	19.3	16.4	24.6



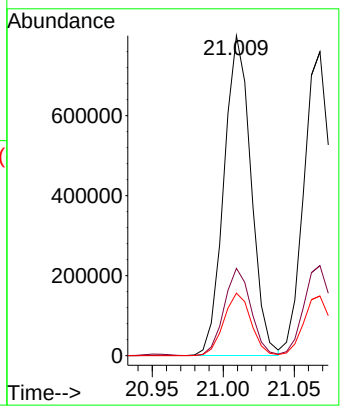


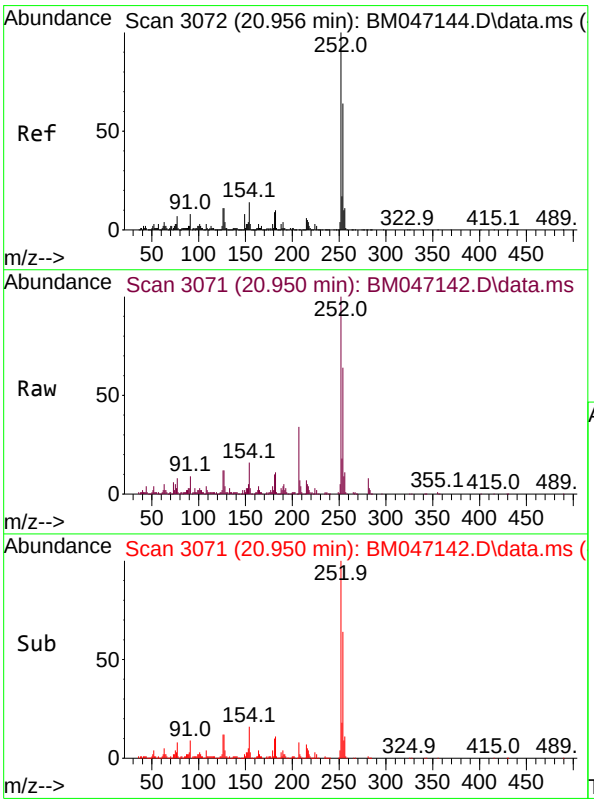
#81
Benzo(a)anthracene
Concen: 10.026 ng
RT: 21.009 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 1060395

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.6
229	19.6	15.8	23.8

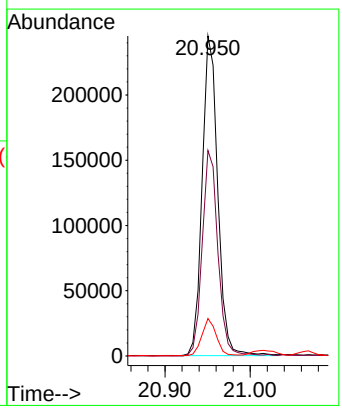


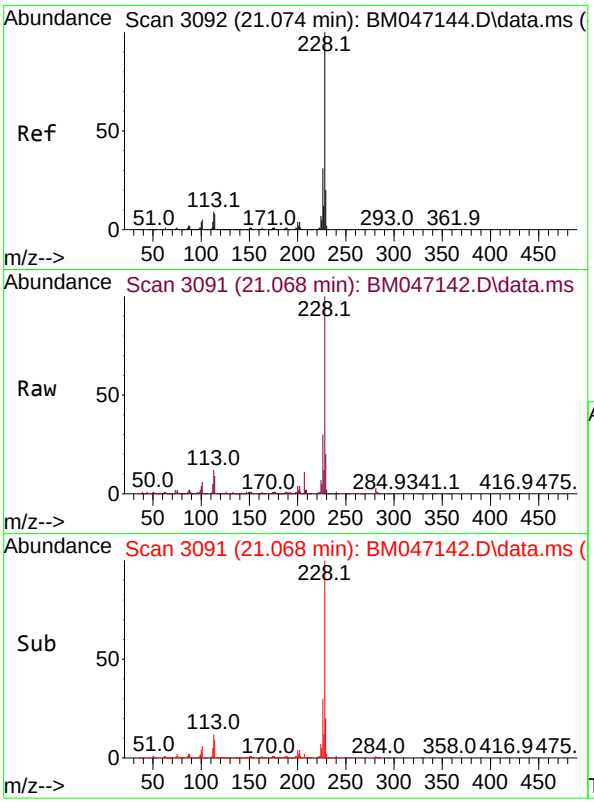


#82
3,3'-Dichlorobenzidine
Concen: 9.398 ng
RT: 20.950 min Scan# 3071
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:252 Resp: 311004

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.0	76.6
126	11.7	8.5	12.7



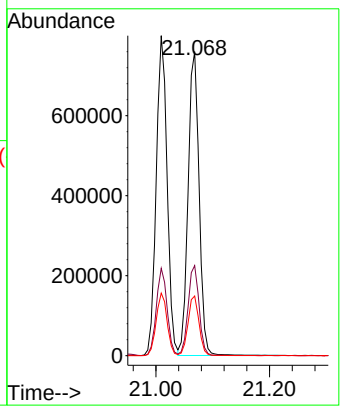


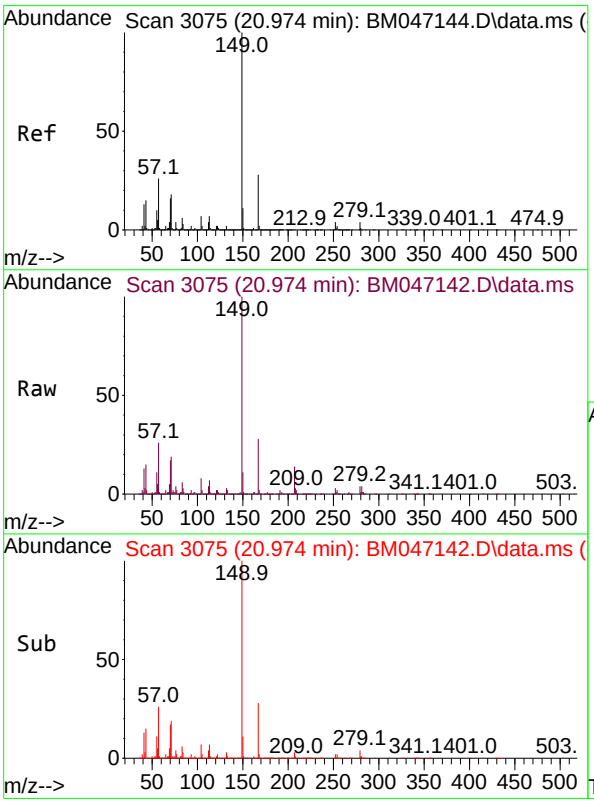
#83
Chrysene
Concen: 10.188 ng
RT: 21.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 1022315

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.4	36.6
229	19.7	15.7	23.5

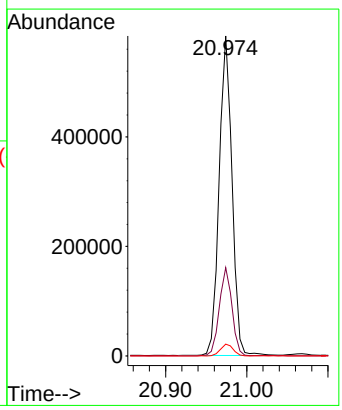


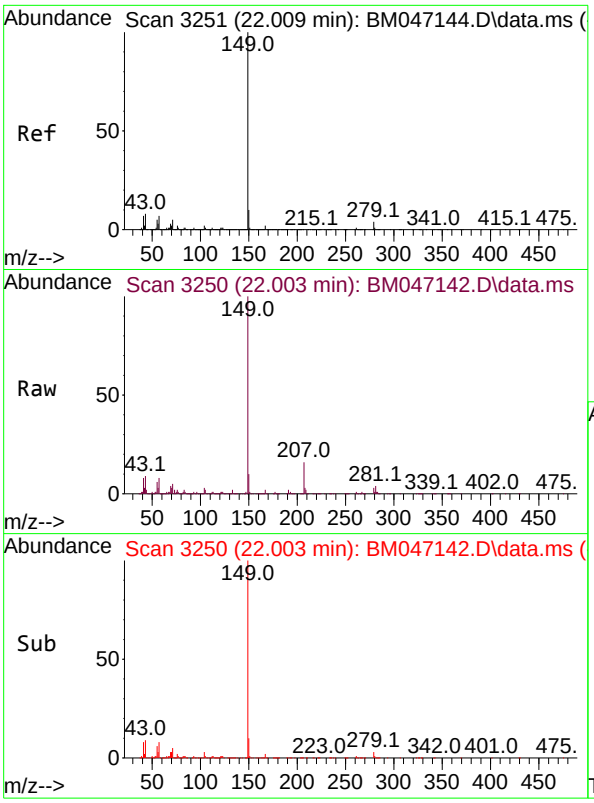


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.777 ng
RT: 20.974 min Scan# 3075
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:149 Resp: 643719

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.2	33.2
279	3.7	3.0	4.4



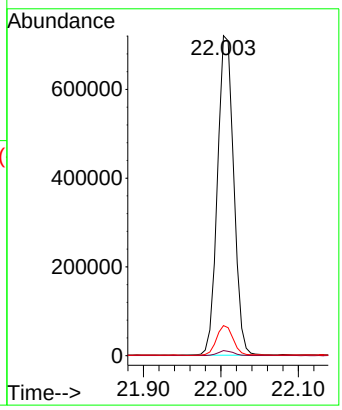


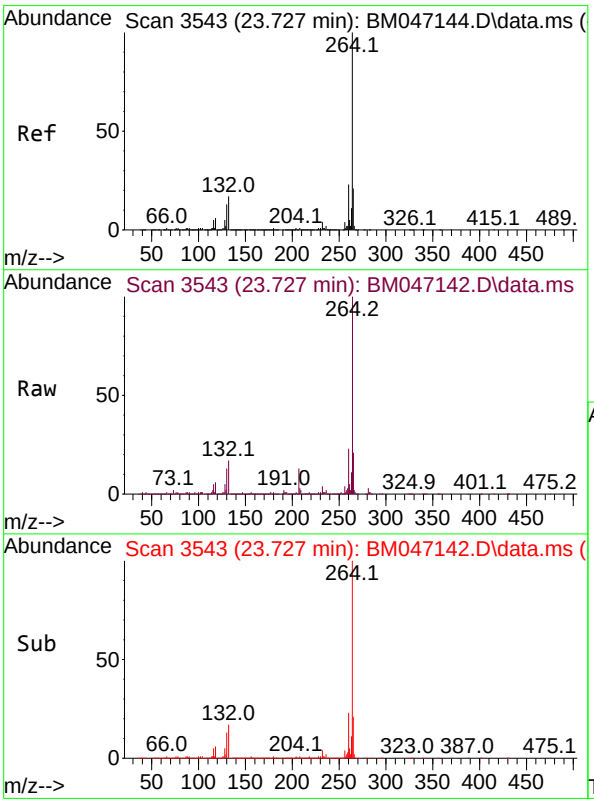
#85
Di-n-octyl phthalate
Concen: 9.368 ng
RT: 22.003 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 1048294

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.5	6.9	10.3

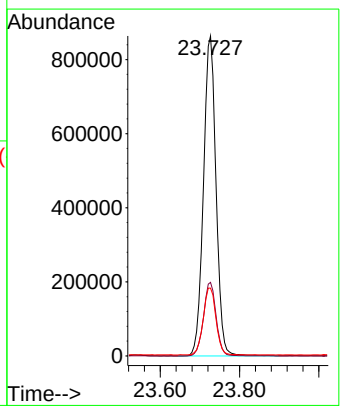


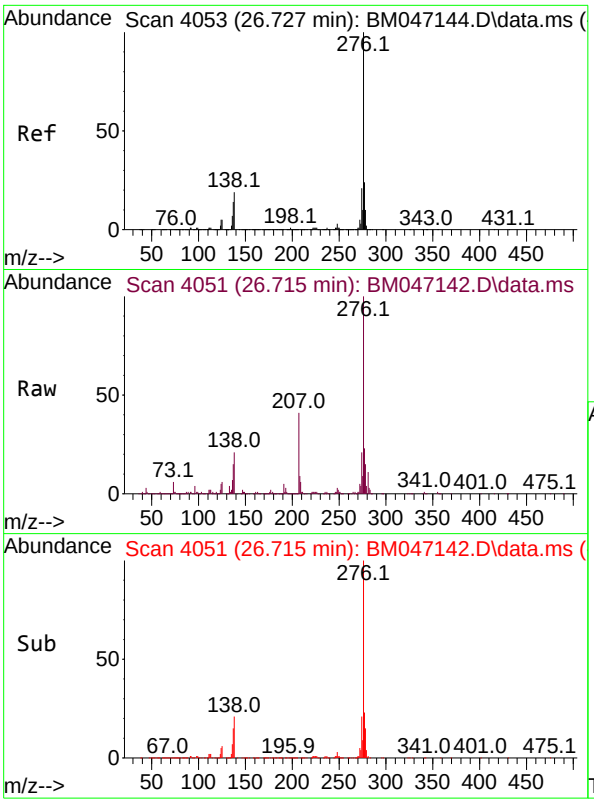


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3543
Delta R.T. -0.000 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:264 Resp: 1901592

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	21.2	17.3	25.9



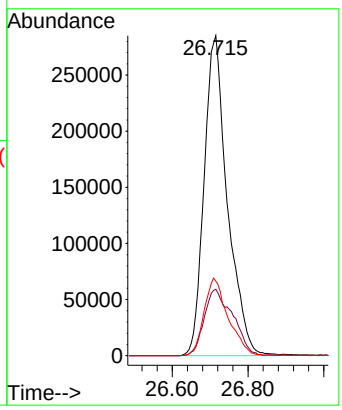


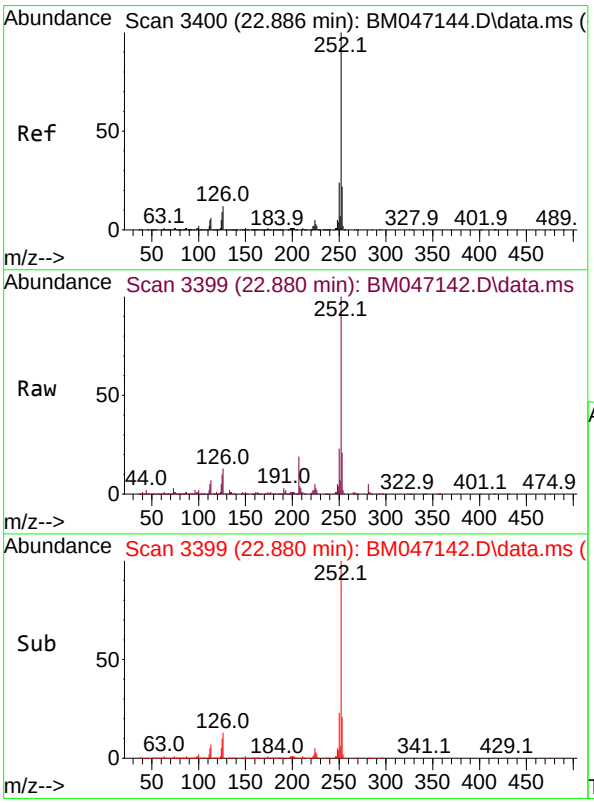
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.899 ng
RT: 26.715 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 1216673

Ion	Ratio	Lower	Upper
276	100		
138	25.4	19.4	29.0
277	25.0	20.1	30.1

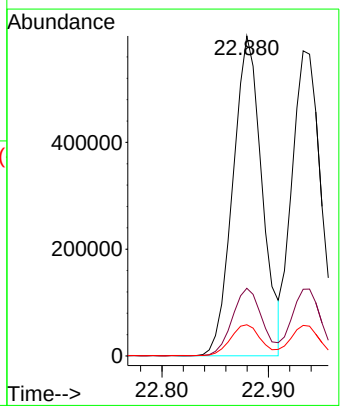


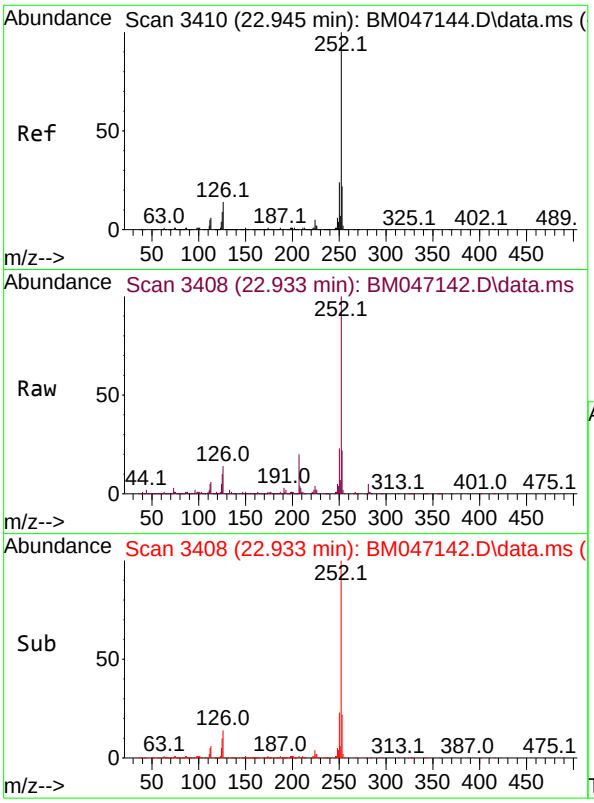


#88
Benzo(b)fluoranthene
Concen: 10.100 ng
RT: 22.880 min Scan# 3399
Delta R.T. -0.006 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:252 Resp: 1140578

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.8	26.6
125	9.7	7.4	11.0



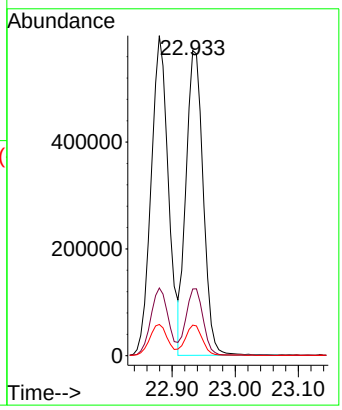


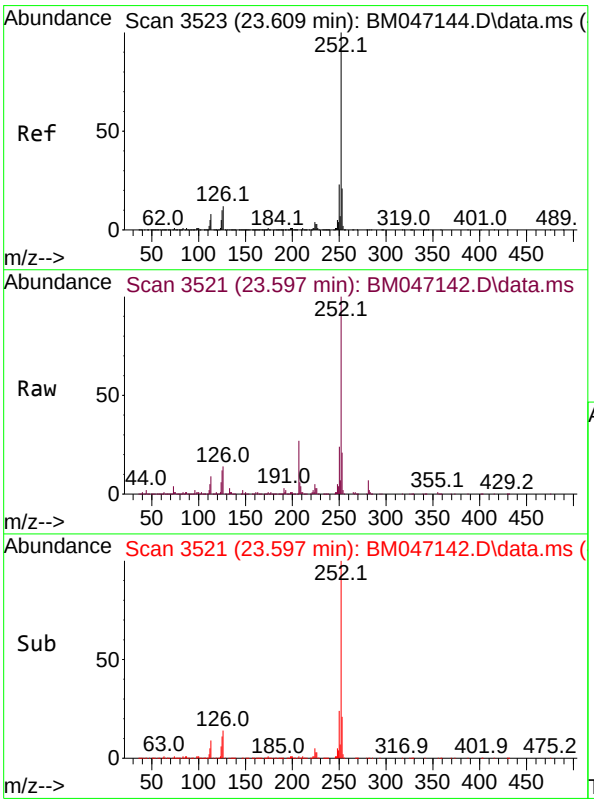
#89
Benzo(k)fluoranthene
Concen: 10.108 ng
RT: 22.933 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 1078126

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.0	7.4	11.2

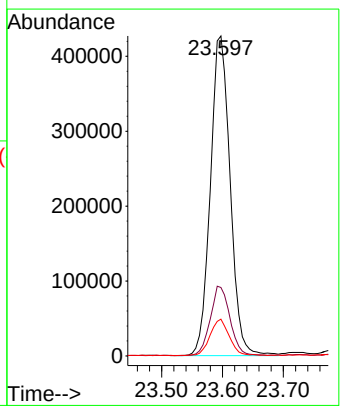


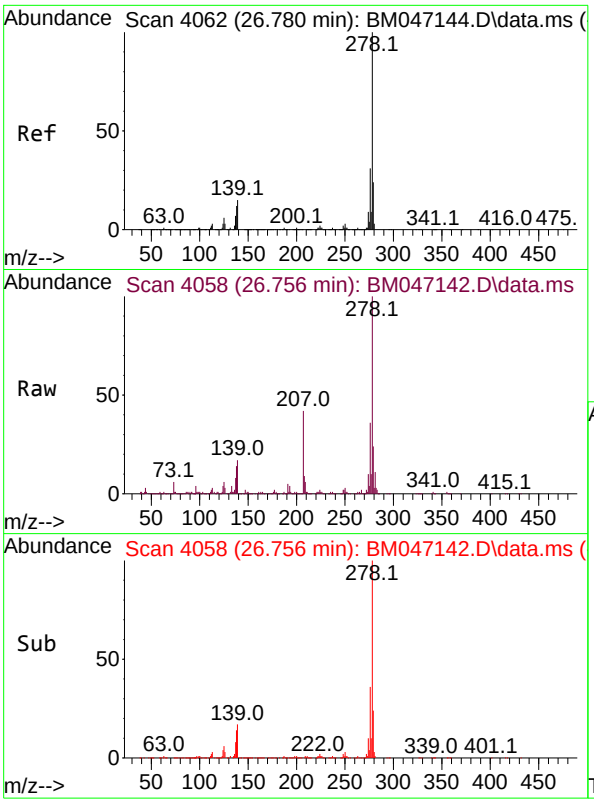


#90
Benzo(a)pyrene
Concen: 9.865 ng
RT: 23.597 min Scan# 3521
Delta R.T. -0.012 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:252 Resp: 965036

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	11.5	8.2	12.2



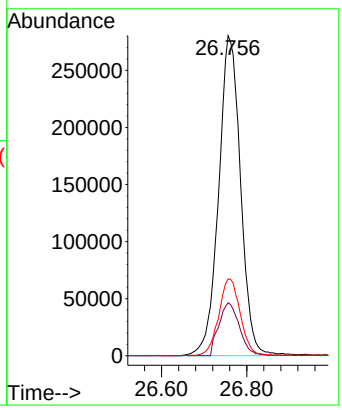


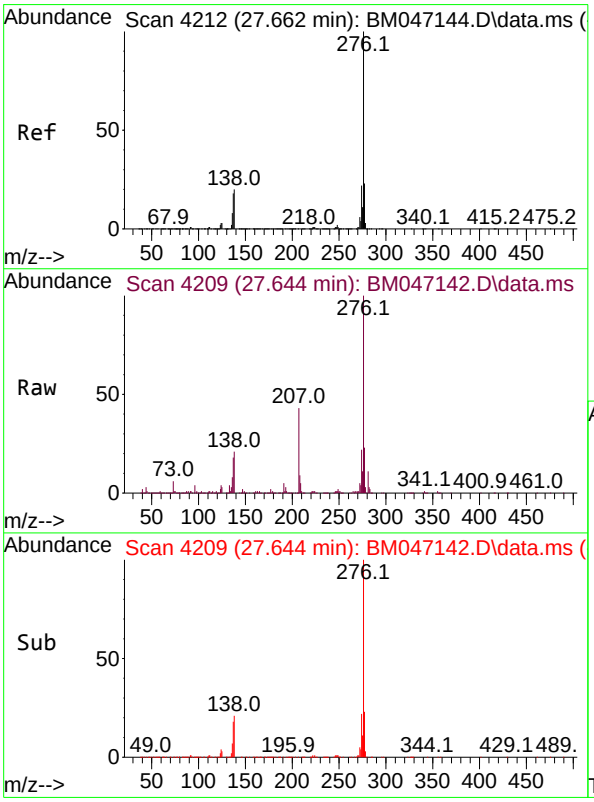
#91
Dibenzo(a,h)anthracene
Concen: 10.051 ng
RT: 26.756 min Scan# 4
Delta R.T. -0.024 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 999745

Ion	Ratio	Lower	Upper
278	100		
139	16.6	12.0	18.0
279	24.0	19.2	28.8

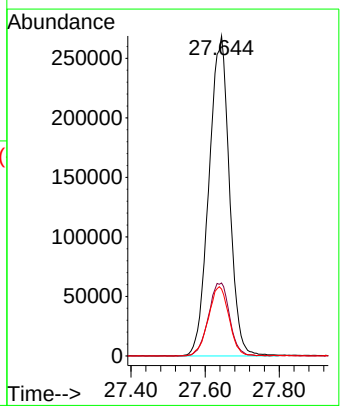




#92
Benzo(g,h,i)perylene
Concen: 9.964 ng
RT: 27.644 min Scan# 4209
Delta R.T. -0.018 min
Lab File: BM047142.D
Acq: 10 Aug 2024 14:31

Tgt Ion:276 Resp: 1029079

Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.8	28.2
138	20.9	16.2	24.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047143.D
Acq On : 10 Aug 2024 15:11
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Aug 11 23:32:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.375	152	264468	20.000	ng		0.00
21) Naphthalene-d8	10.128	136	1115607	20.000	ng		0.00
39) Acenaphthene-d10	14.034	164	747989	20.000	ng		0.00
64) Phenanthrene-d10	16.792	188	1595663	20.000	ng		0.00
76) Chrysene-d12	21.027	240	1449202	20.000	ng		0.00
86) Perylene-d12	23.727	264	1737656	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.022	112	633062	42.772	ng		0.00
7) Phenol-d6	6.581	99	873552	42.833	ng		0.00
23) Nitrobenzene-d5	8.522	82	936280	42.259	ng		0.00
42) 2,4,6-Tribromophenol	15.539	330	371649	42.851	ng		0.00
45) 2-Fluorobiphenyl	12.639	172	1998004	41.204	ng		0.00
79) Terphenyl-d14	19.457	244	2776457	41.052	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.034	88	131017	21.364	ng		99
3) Pyridine	3.411	79	385480	21.451	ng		99
4) n-Nitrosodimethylamine	3.328	42	166470	21.188	ng	#	94
6) Aniline	6.722	93	418736	21.723	ng		99
8) 2-Chlorophenol	6.952	128	350051	21.684	ng		99
9) Benzaldehyde	6.540	77	270923	21.095	ng		98
10) Phenol	6.610	94	434987	21.375	ng		99
11) bis(2-Chloroethyl)ether	6.822	93	372085	21.351	ng		99
12) 1,3-Dichlorobenzene	7.263	146	406387	21.185	ng		100
13) 1,4-Dichlorobenzene	7.410	146	413095	21.269	ng		98
14) 1,2-Dichlorobenzene	7.716	146	400406	21.850	ng		99
15) Benzyl Alcohol	7.622	79	314490	21.667	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.904	45	491561	21.956	ng		99
17) 2-Methylphenol	7.834	107	294855	21.718	ng		99
18) Hexachloroethane	8.428	117	158678	21.091	ng		99
19) n-Nitroso-di-n-propyla...	8.181	70	300944	21.907	ng		97
20) 3+4-Methylphenols	8.157	107	415106	21.871	ng		97
22) Acetophenone	8.193	105	569010	21.130	ng		99
24) Nitrobenzene	8.563	77	477014	21.382	ng		97
25) Isophorone	9.087	82	816407	21.163	ng		99
26) 2-Nitrophenol	9.263	139	201069	20.351	ng		98
27) 2,4-Dimethylphenol	9.346	122	242158	20.924	ng		100
28) bis(2-Chloroethoxy)met...	9.575	93	511416	21.069	ng		99
29) 2,4-Dichlorophenol	9.793	162	354907	20.667	ng		98
30) 1,2,4-Trichlorobenzene	9.998	180	400292	20.598	ng		99
31) Naphthalene	10.181	128	1162115	20.911	ng		99
32) Benzoic acid	9.487	122	267804	19.806	ng		98
33) 4-Chloroaniline	10.304	127	455929	21.333	ng		100
34) Hexachlorobutadiene	10.463	225	230475	20.262	ng		99
35) Caprolactam	11.098	113	124776	20.923	ng		100
36) 4-Chloro-3-methylphenol	11.451	107	386762	21.148	ng		100
37) 2-Methylnaphthalene	11.804	142	828088	20.927	ng		100
38) 1-Methylnaphthalene	12.028	142	819798	20.963	ng		98
40) 1,2,4,5-Tetrachloroben...	12.187	216	414428	20.313	ng		99
41) Hexachlorocyclopentadiene	12.163	237	142951	20.066	ng		100
43) 2,4,6-Trichlorophenol	12.445	196	294494	20.309	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047143.D
Acq On : 10 Aug 2024 15:11
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Aug 11 23:32:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.516	196	327981	20.371	ng	98
46) 1,1'-Biphenyl	12.851	154	1106359	20.776	ng	98
47) 2-Chloronaphthalene	12.887	162	879955	21.142	ng	99
48) 2-Nitroaniline	13.110	65	274398	21.044	ng	96
49) Acenaphthylene	13.745	152	1295508	21.117	ng	99
50) Dimethylphthalate	13.510	163	1098249	21.023	ng	100
51) 2,6-Dinitrotoluene	13.628	165	252319	20.662	ng	99
52) Acenaphthene	14.098	154	812631	20.882	ng	99
53) 3-Nitroaniline	13.957	138	257120	21.012	ng	98
54) 2,4-Dinitrophenol	14.175	184	138230	18.886	ng	99
55) Dibenzofuran	14.439	168	1292618	21.028	ng	98
56) 4-Nitrophenol	14.292	139	219007	20.755	ng	97
57) 2,4-Dinitrotoluene	14.422	165	343833	21.094	ng	96
58) Fluorene	15.092	166	1066342	21.024	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.675	232	275845	20.846	ng	98
60) Diethylphthalate	14.892	149	1126281	21.113	ng	98
61) 4-Chlorophenyl-phenyle...	15.098	204	496242	20.551	ng	100
62) 4-Nitroaniline	15.128	138	258531m	21.445	ng	
63) Azobenzene	15.392	77	1090035	21.550	ng	99
65) 4,6-Dinitro-2-methylph...	15.192	198	191622	20.511	ng	97
66) n-Nitrosodiphenylamine	15.316	169	914838	21.049	ng	99
67) 4-Bromophenyl-phenylether	15.998	248	316488	20.583	ng	99
68) Hexachlorobenzene	16.098	284	382395	20.765	ng	99
69) Atrazine	16.286	200	290743	22.231	ng	99
70) Pentachlorophenol	16.451	266	263728	20.430	ng	99
71) Phenanthrene	16.833	178	1652375	20.634	ng	100
72) Anthracene	16.927	178	1637902	21.021	ng	100
73) Carbazole	17.204	167	1678200	21.094	ng	99
74) Di-n-butylphthalate	17.792	149	1951166	21.077	ng	99
75) Fluoranthene	18.868	202	2002438	20.558	ng	99
77) Benzidine	19.074	184	541138	22.019	ng	99
78) Pyrene	19.233	202	2091746	20.215	ng	99
80) Butylbenzylphthalate	20.174	149	869066	20.580	ng	98
81) Benzo(a)anthracene	21.010	228	1977415	20.554	ng	100
82) 3,3'-Dichlorobenzidine	20.957	252	636034	21.130	ng	98
83) Chrysene	21.068	228	1885561	20.657	ng	99
84) Bis(2-ethylhexyl)phtha...	20.974	149	1257178	20.992	ng	99
85) Di-n-octyl phthalate	22.009	149	2072238	20.358	ng	99
87) Indeno(1,2,3-cd)pyrene	26.715	276	2373808	21.135	ng	99
88) Benzo(b)fluoranthene	22.880	252	2123837	20.581	ng	99
89) Benzo(k)fluoranthene	22.939	252	2041826	20.948	ng	99
90) Benzo(a)pyrene	23.598	252	1851508	20.712	ng	99
91) Dibenzo(a,h)anthracene	26.768	278	1944551	21.393	ng	99
92) Benzo(g,h,i)perylene	27.644	276	2020018	21.405	ng	99

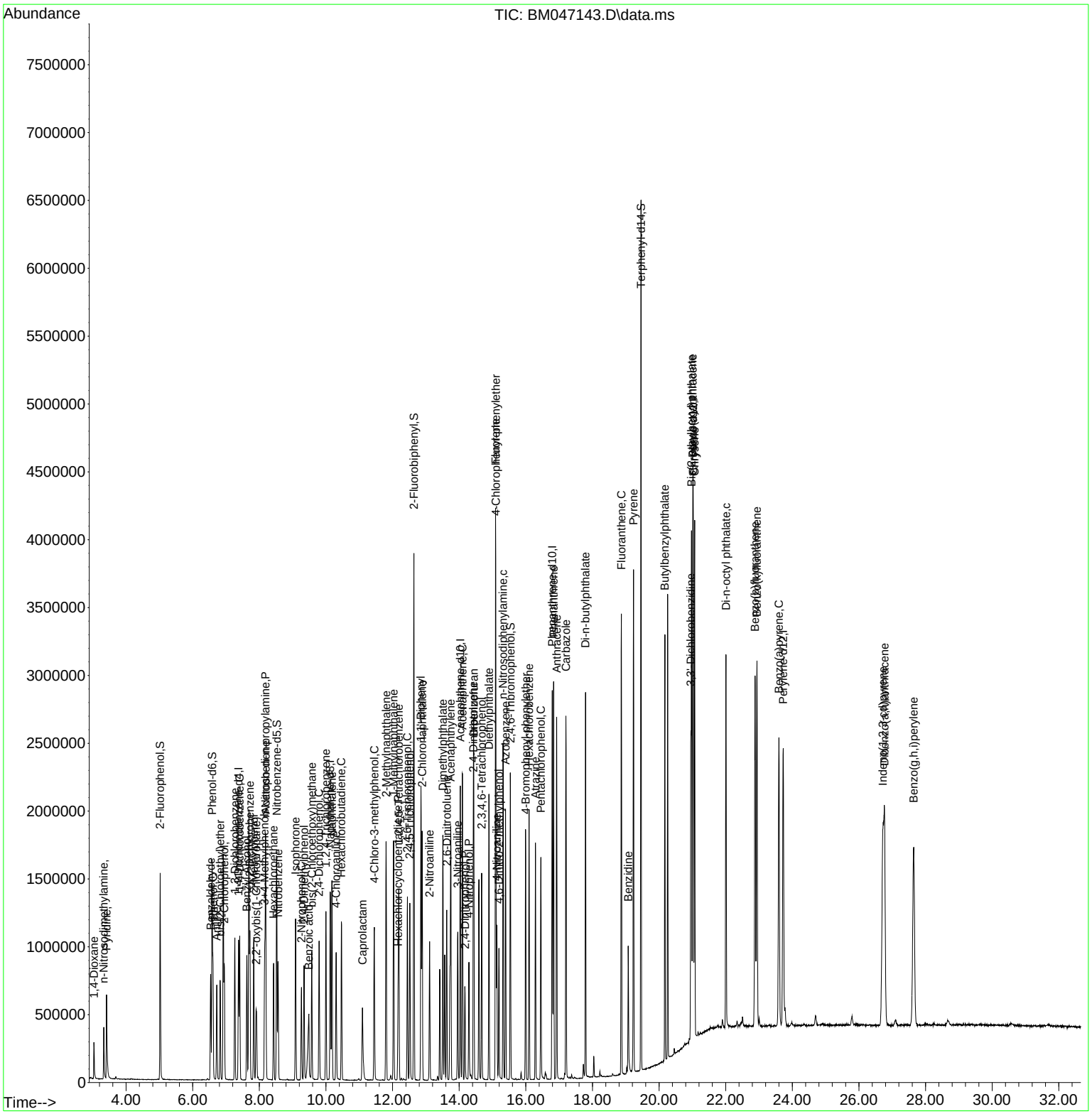
(#) = qualifier out of range (m) = manual integration (+) = signals summed

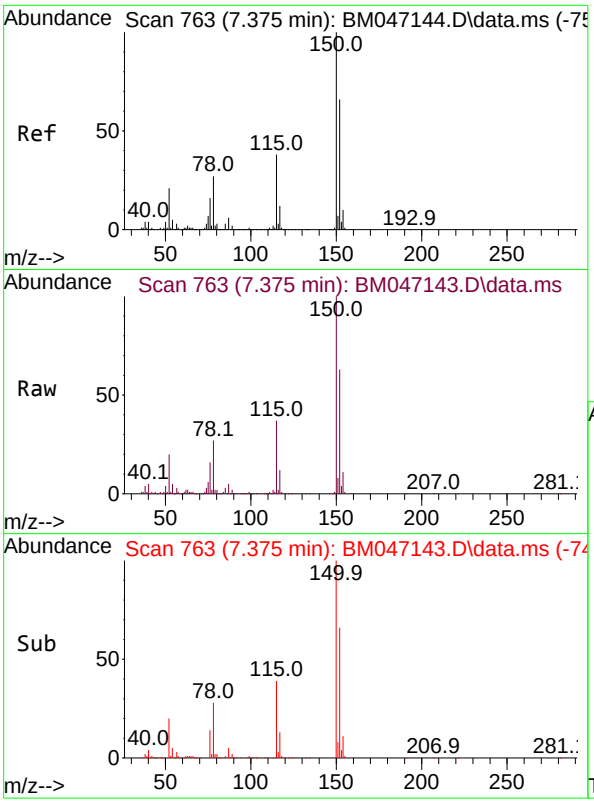
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047143.D
Acq On : 10 Aug 2024 15:11
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Aug 11 23:32:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration



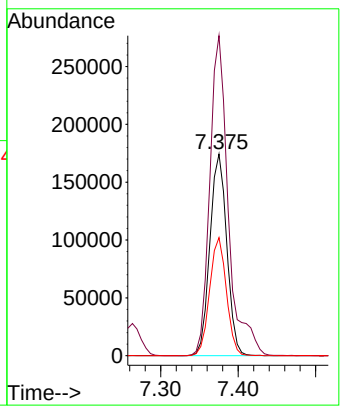


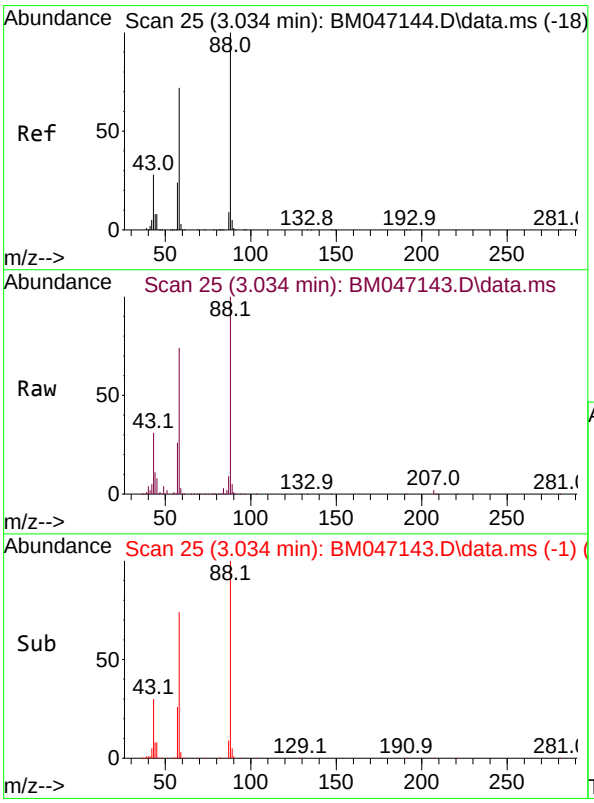
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7(
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 264468

Ion	Ratio	Lower	Upper
152	100		
150	158.7	120.5	180.7
115	58.6	45.5	68.3

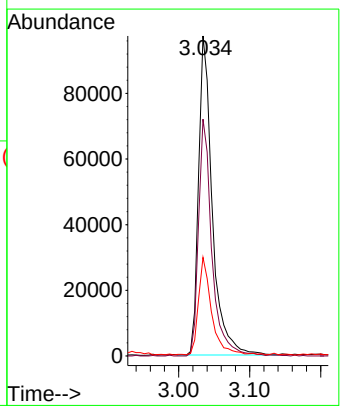


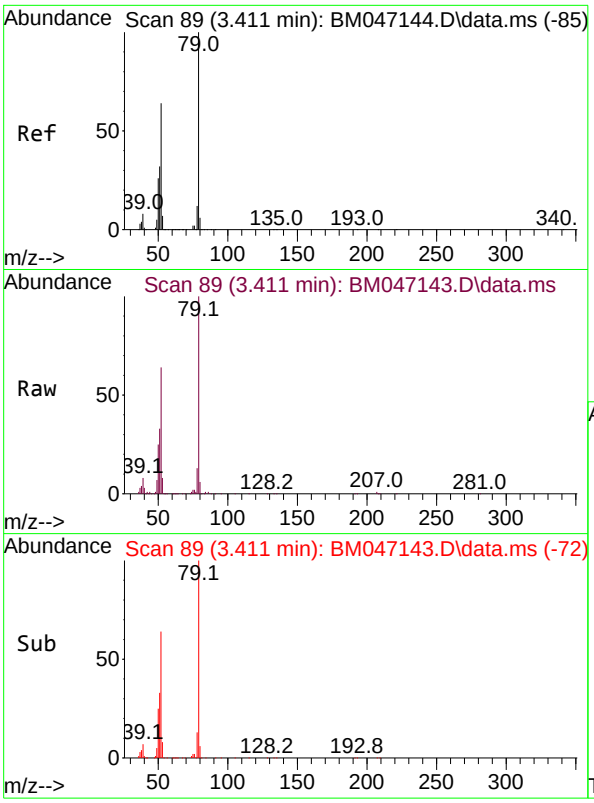


#2
1,4-Dioxane
Concen: 21.364 ng
RT: 3.034 min Scan# 25
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion: 88 Resp: 131017

Ion	Ratio	Lower	Upper
88	100		
58	72.4	58.2	87.4
43	29.1	22.5	33.7



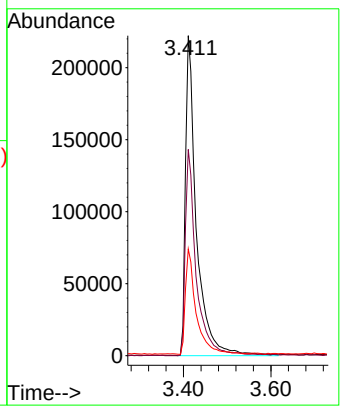


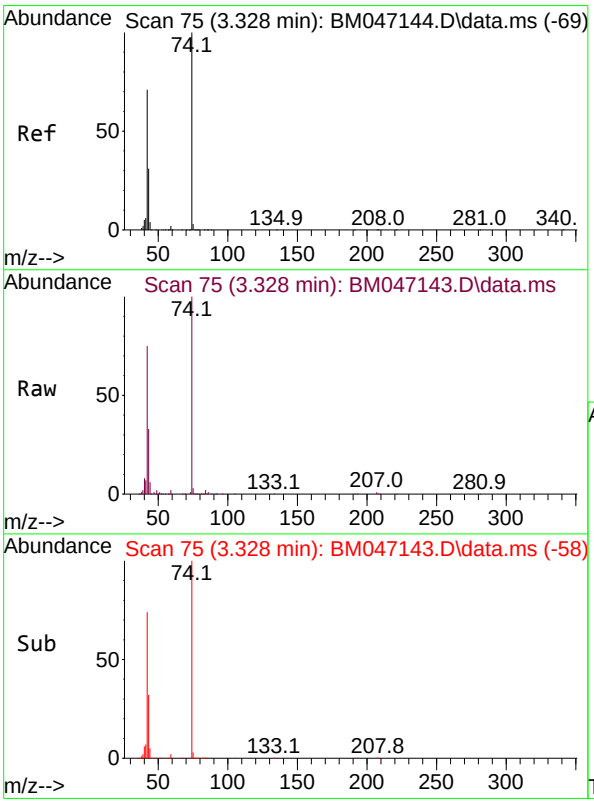
#3
Pyridine
Concen: 21.451 ng
RT: 3.411 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 385480

Ion	Ratio	Lower	Upper
79	100		
52	64.5	51.2	76.8
51	33.3	26.1	39.1

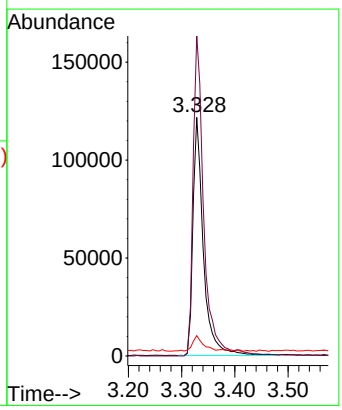


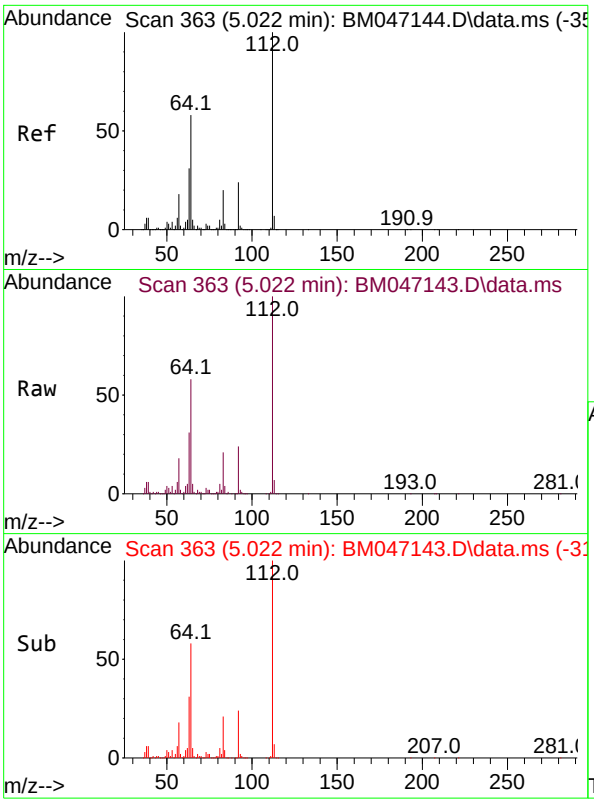


#4
n-Nitrosodimethylamine
Concen: 21.188 ng
RT: 3.328 min Scan# 75
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion: 42 Resp: 166470

Ion	Ratio	Lower	Upper
42	100		
74	134.1	112.9	169.3
44	8.5	5.3	7.9#



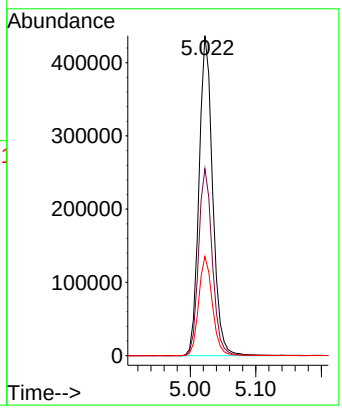


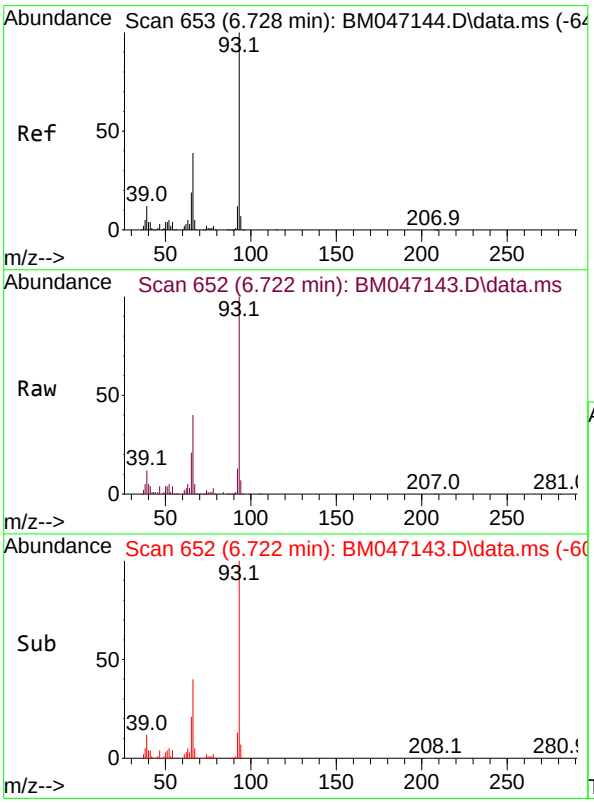
#5
2-Fluorophenol
Concen: 42.772 ng
RT: 5.022 min Scan# 3(
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 633062

Ion	Ratio	Lower	Upper
112	100		
64	58.4	46.7	70.1
63	31.0	24.8	37.2

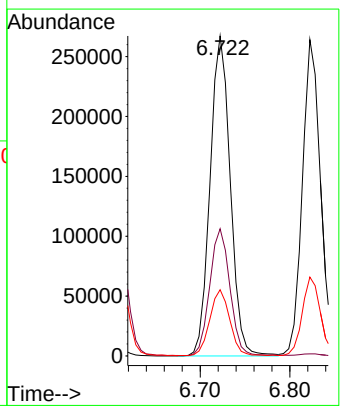


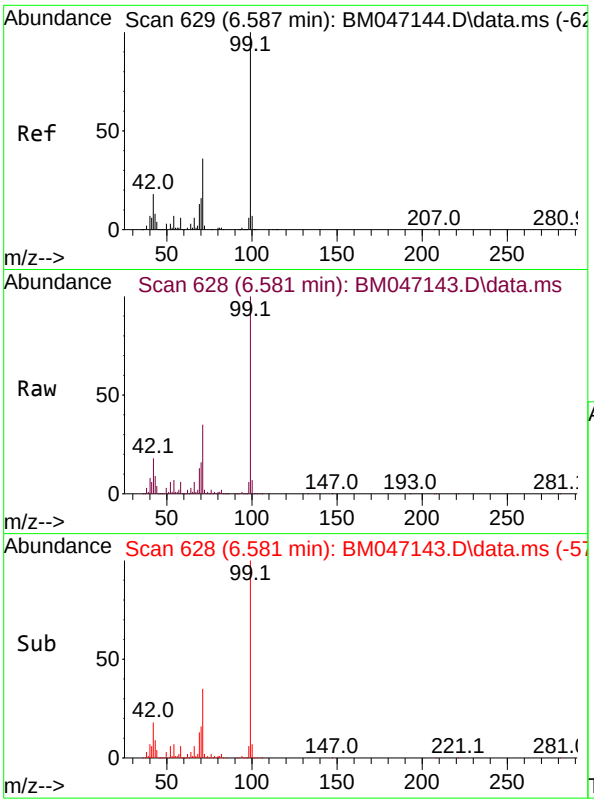


#6
Aniline
Concen: 21.723 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion: 93 Resp: 418736

Ion	Ratio	Lower	Upper
93	100		
66	39.8	31.4	47.2
65	20.7	15.6	23.4



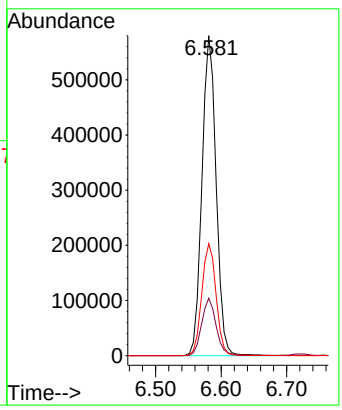


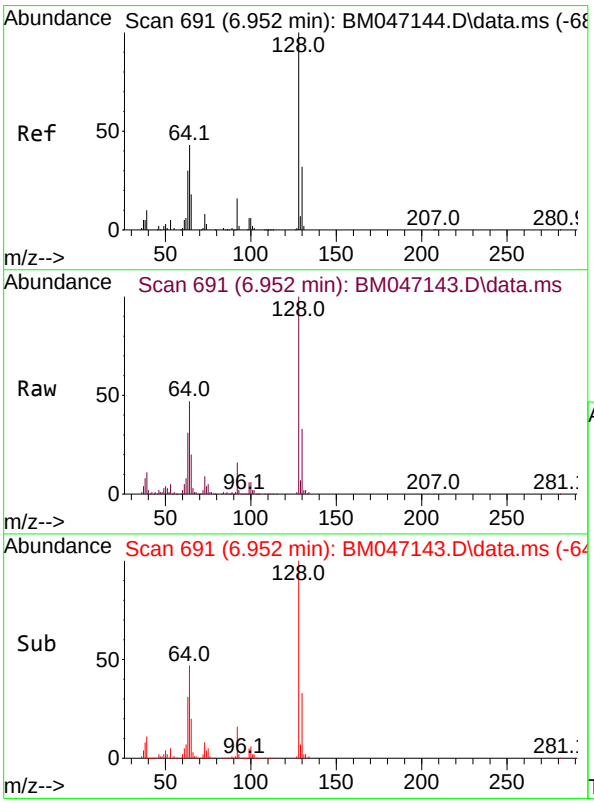
#7
Phenol-d6
Concen: 42.833 ng
RT: 6.581 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 873552

Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.1	21.1
71	35.0	28.5	42.7

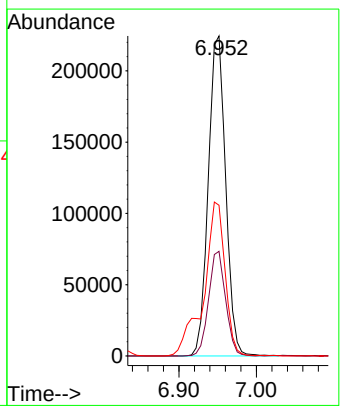


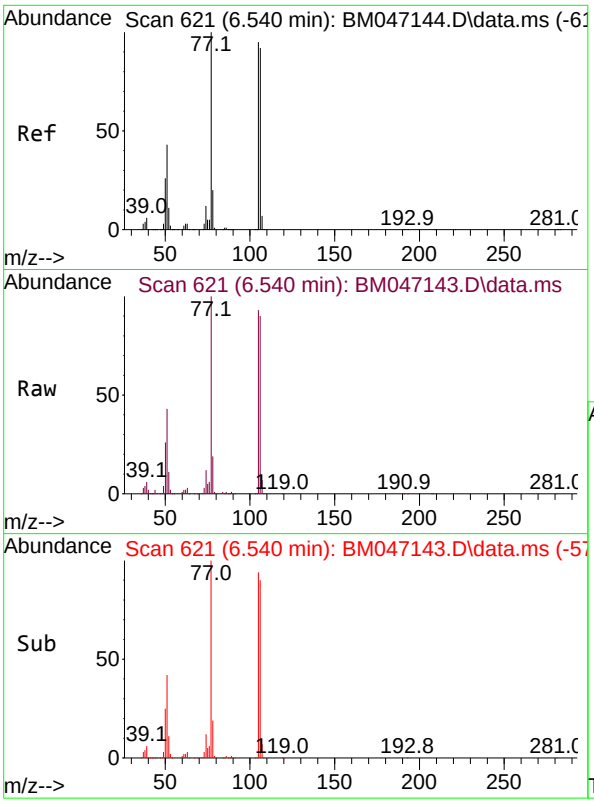


#8
2-Chlorophenol
Concen: 21.684 ng
RT: 6.952 min Scan# 691
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:128 Resp: 350051

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.1	52.1
64	47.1	26.6	66.6



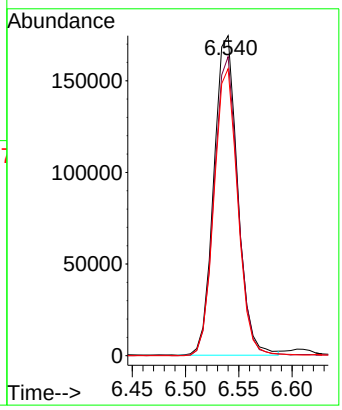


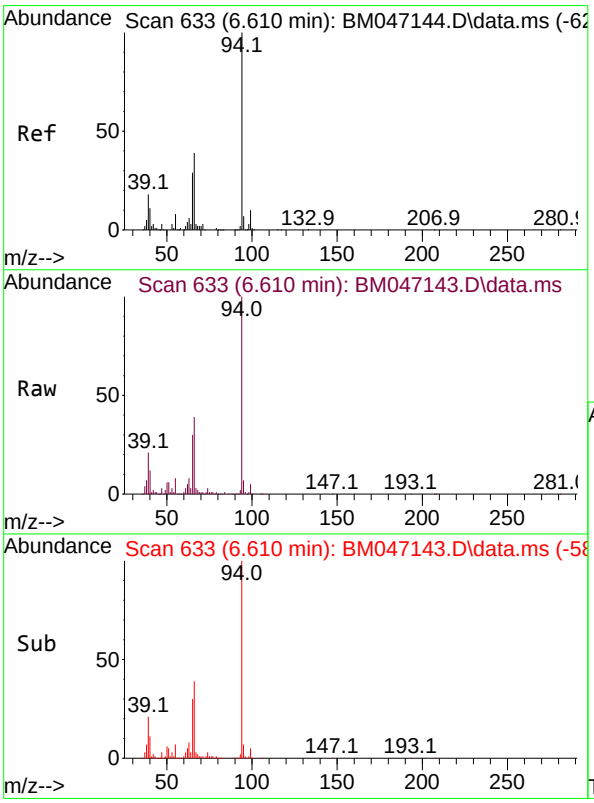
#9
Benzaldehyde
Concen: 21.095 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 270923

Ion	Ratio	Lower	Upper
77	100		
105	93.5	74.5	114.5
106	89.7	72.3	112.3

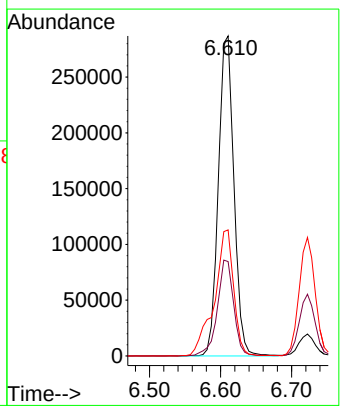


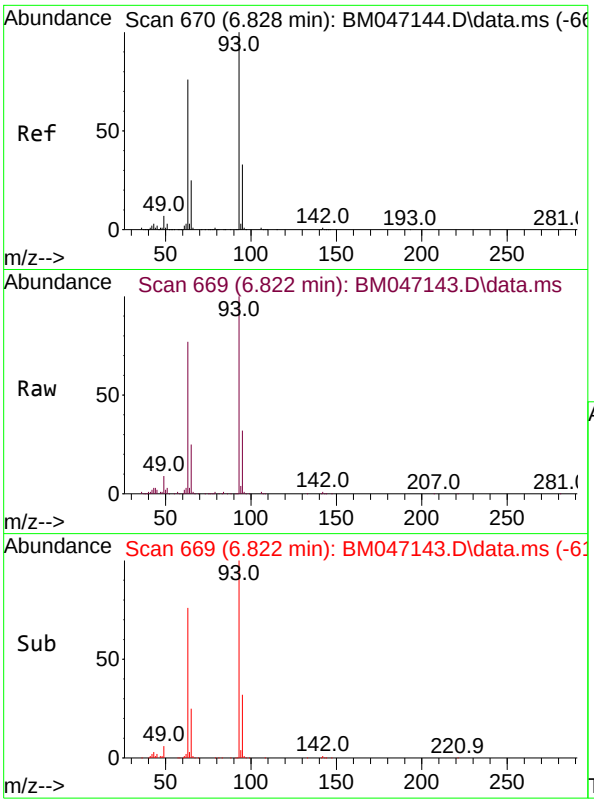


#10
Phenol
Concen: 21.375 ng
RT: 6.610 min Scan# 633
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion: 94 Resp: 434987

Ion	Ratio	Lower	Upper
94	100		
65	29.5	9.0	49.0
66	39.4	18.9	58.9



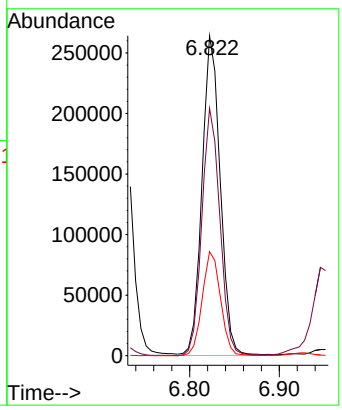


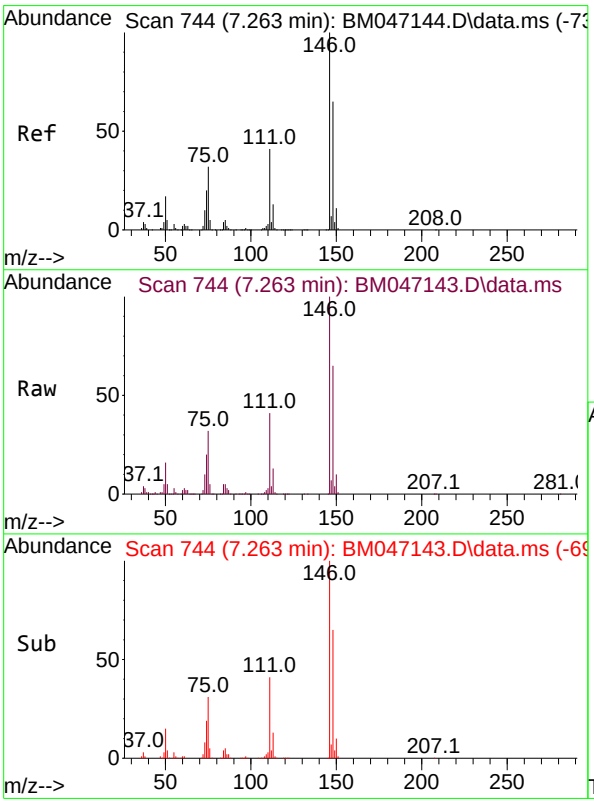
#11
bis(2-Chloroethyl)ether
Concen: 21.351 ng
RT: 6.822 min Scan# 6(
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 372085

Ion	Ratio	Lower	Upper
93	100		
63	77.4	55.8	95.8
95	32.5	12.7	52.7

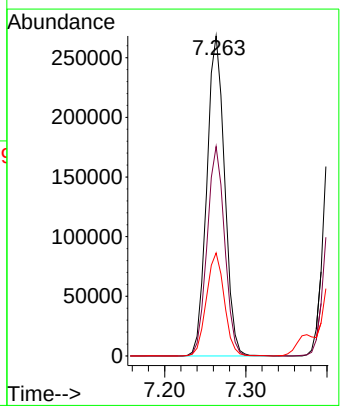


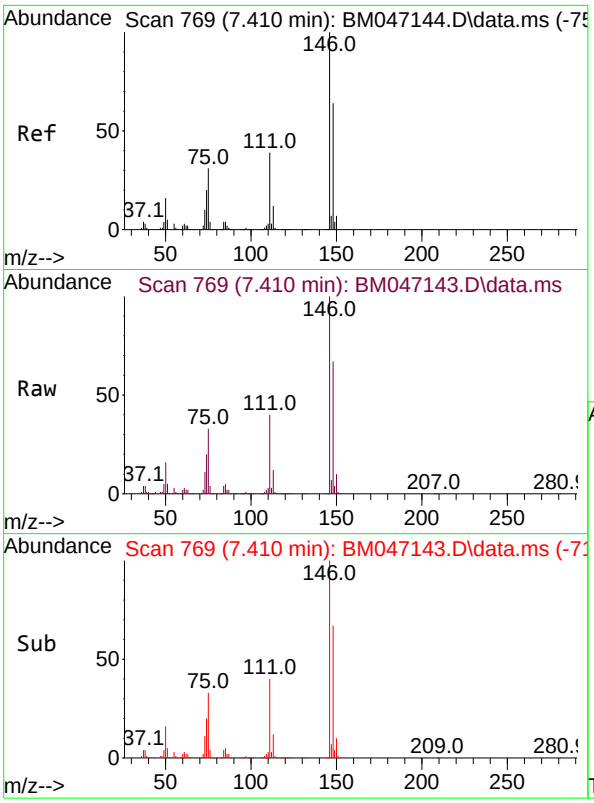


#12
1,3-Dichlorobenzene
Concen: 21.185 ng
RT: 7.263 min Scan# 744
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:146 Resp: 406387

Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.3	78.5
75	32.2	25.8	38.6



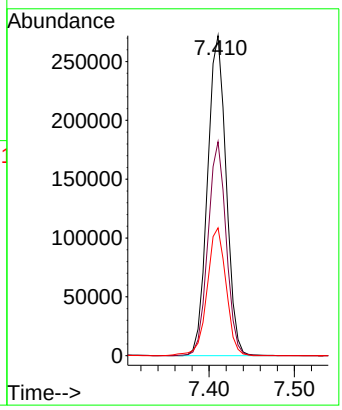


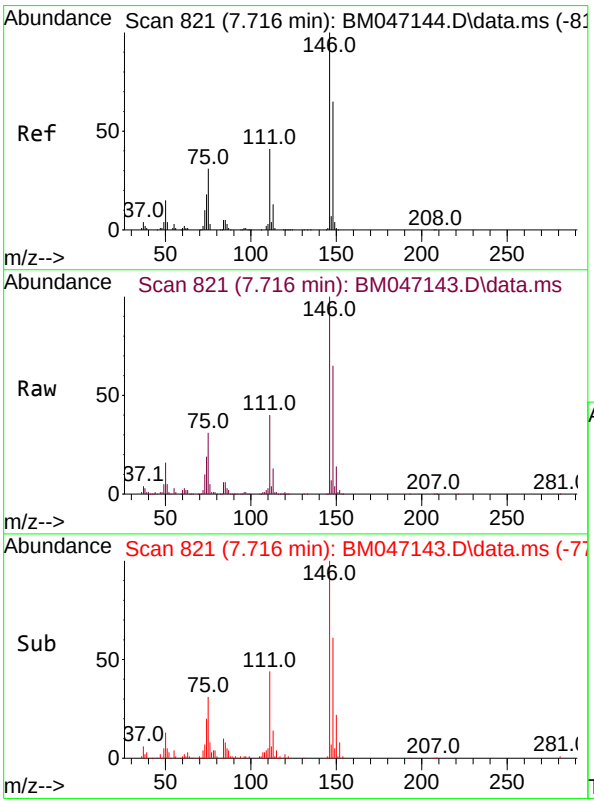
#13
1,4-Dichlorobenzene
Concen: 21.269 ng
RT: 7.410 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 413095

Ion	Ratio	Lower	Upper
146	100		
148	66.8	51.4	77.2
111	40.0	31.5	47.3

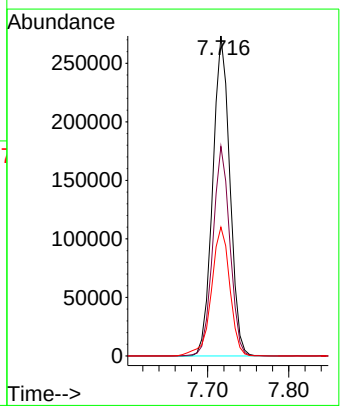


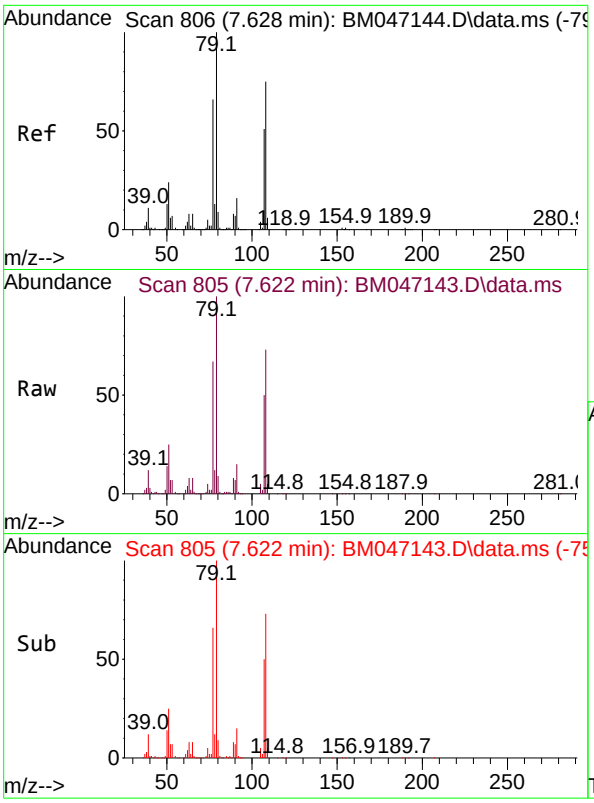


#14
1,2-Dichlorobenzene
Concen: 21.850 ng
RT: 7.716 min Scan# 821
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:146 Resp: 400406

Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.8	77.8
111	40.3	33.3	49.9



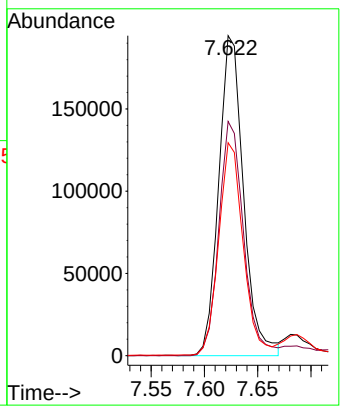


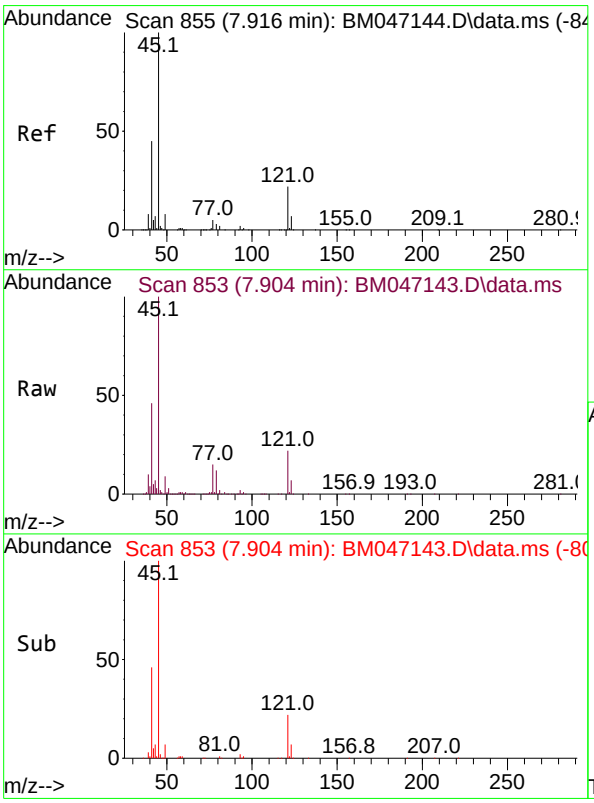
#15
Benzyl Alcohol
Concen: 21.667 ng
RT: 7.622 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 314490

Ion	Ratio	Lower	Upper
79	100		
108	73.2	59.7	89.5
77	66.6	52.9	79.3

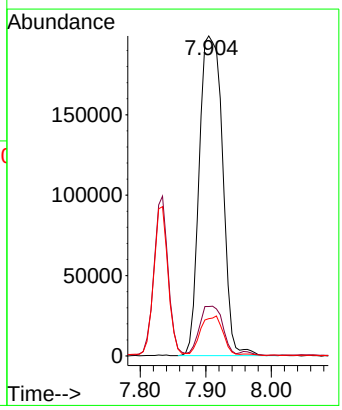


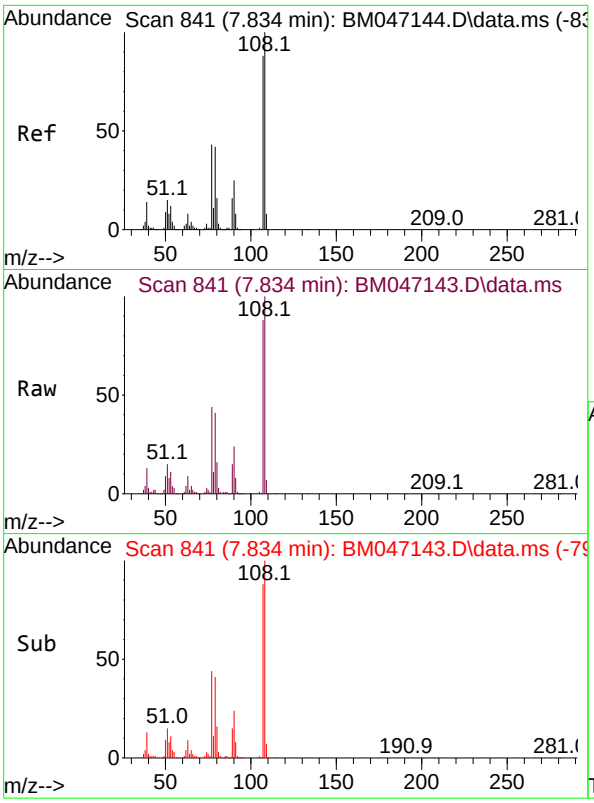


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.956 ng
RT: 7.904 min Scan# 853
Delta R.T. -0.012 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion: 45 Resp: 491561

Ion	Ratio	Lower	Upper
45	100		
77	15.4	0.0	35.6
79	11.6	0.0	32.4



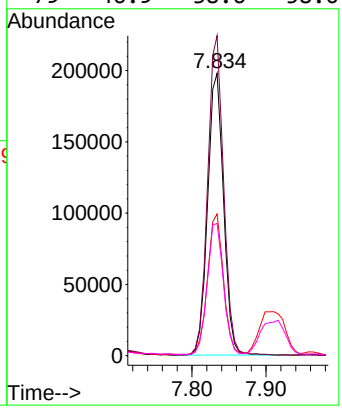


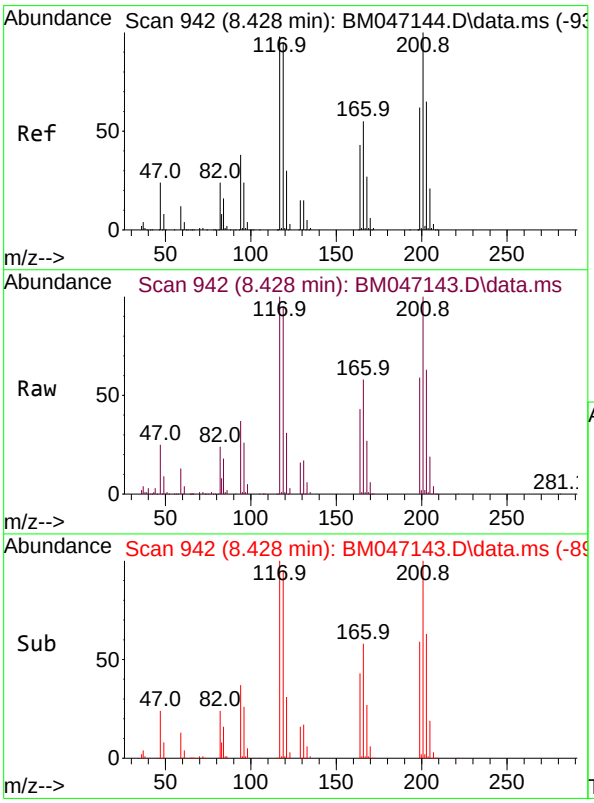
#17
2-Methylphenol
Concen: 21.718 ng
RT: 7.834 min Scan# 84
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 294855

Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.6	135.8
77	50.2	39.3	58.9
79	46.9	38.6	58.0

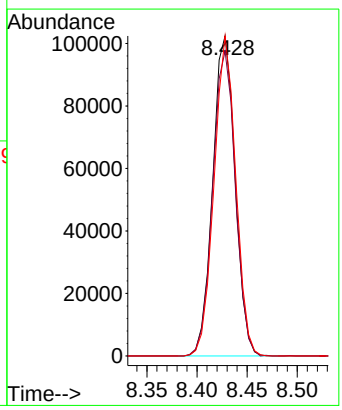


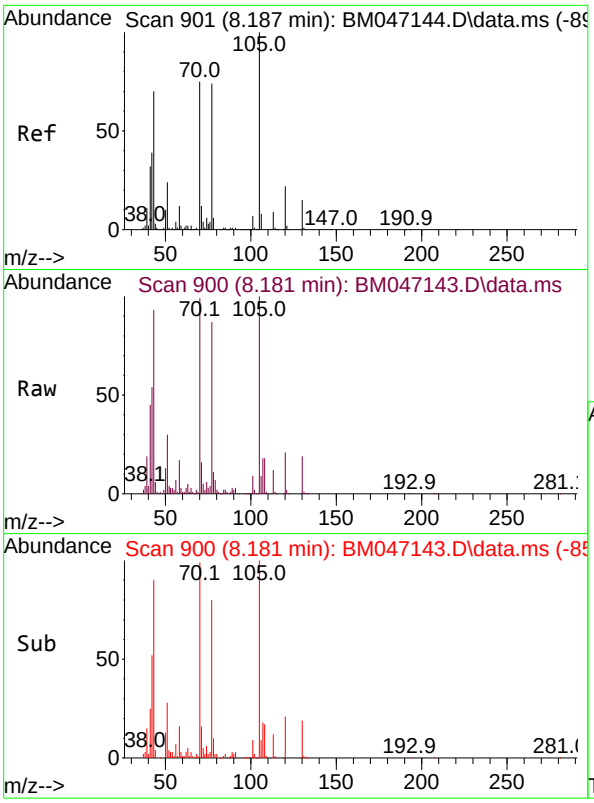


#18
Hexachloroethane
Concen: 21.091 ng
RT: 8.428 min Scan# 942
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:117 Resp: 158678

Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.0	115.4
201	99.9	81.3	121.9



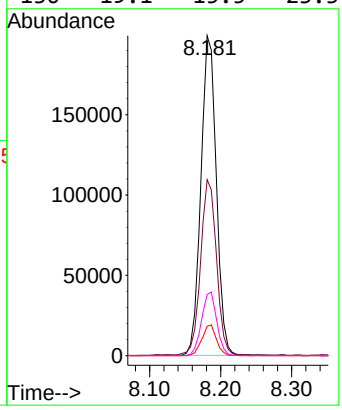


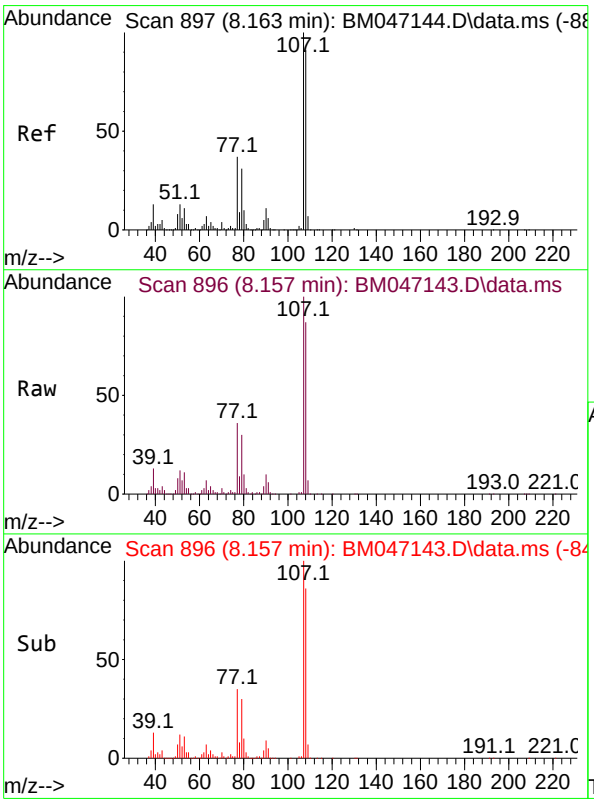
#19
n-Nitroso-di-n-propylamine
Concen: 21.907 ng
RT: 8.181 min Scan# 90
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 300944

Ion	Ratio	Lower	Upper
70	100		
42	55.0	42.0	63.0
101	9.2	7.2	10.8
130	19.1	15.5	23.3

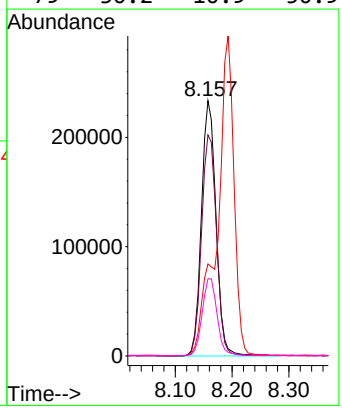


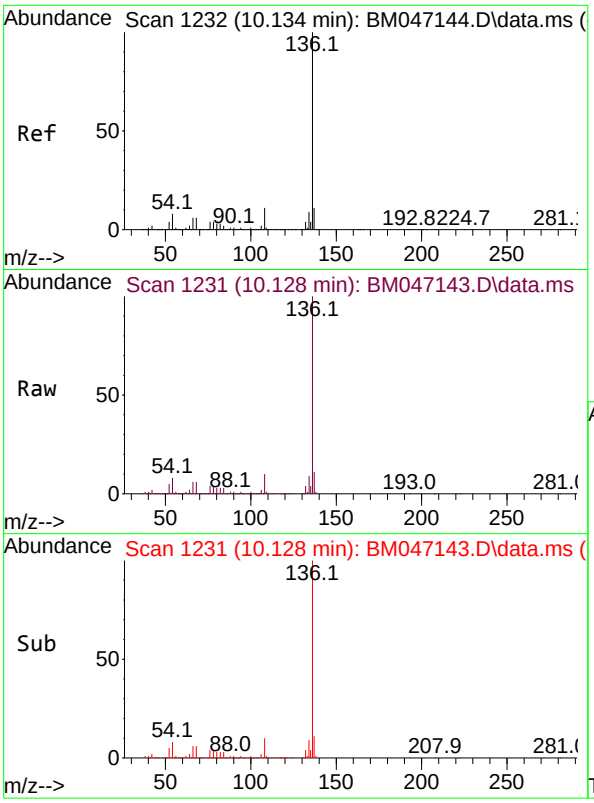


#20
3+4-Methylphenols
Concen: 21.871 ng
RT: 8.157 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:107 Resp: 415106

Ion	Ratio	Lower	Upper
107	100		
108	86.6	70.7	110.7
77	36.1	17.4	57.4
79	30.2	10.9	50.9



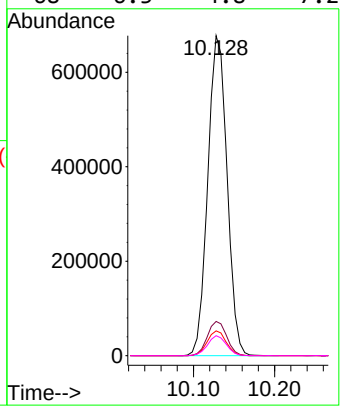


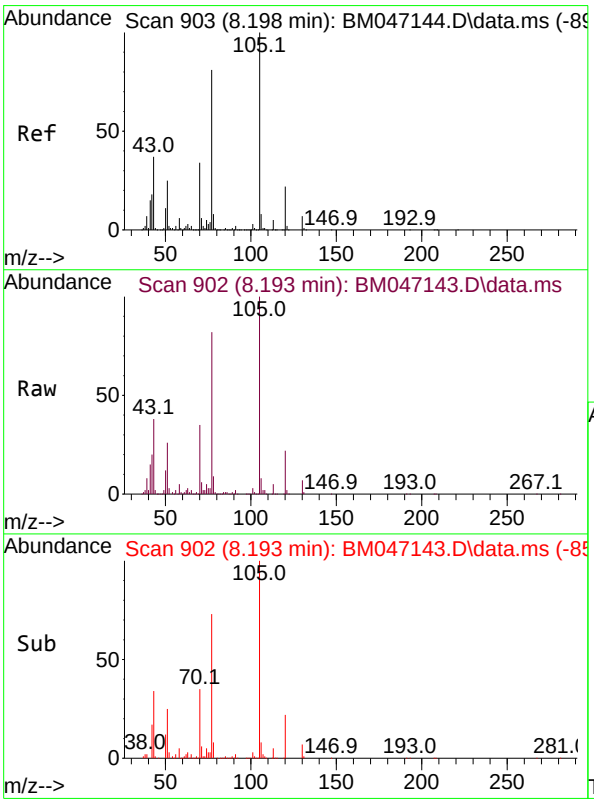
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 1115607

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.8	6.0	9.0
68	6.3	4.8	7.2

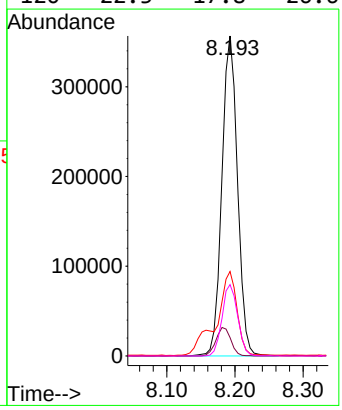


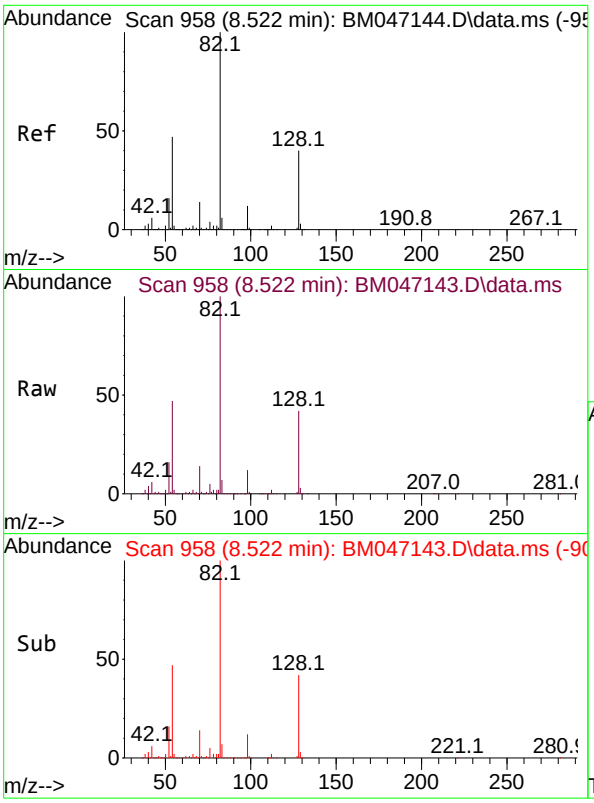


#22
Acetophenone
Concen: 21.130 ng
RT: 8.193 min Scan# 902
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:105 Resp: 569010

Ion	Ratio	Lower	Upper
105	100		
71	5.8	4.5	6.7
51	26.4	20.1	30.1
120	22.3	17.8	26.6



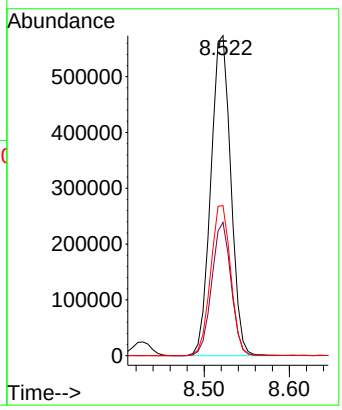


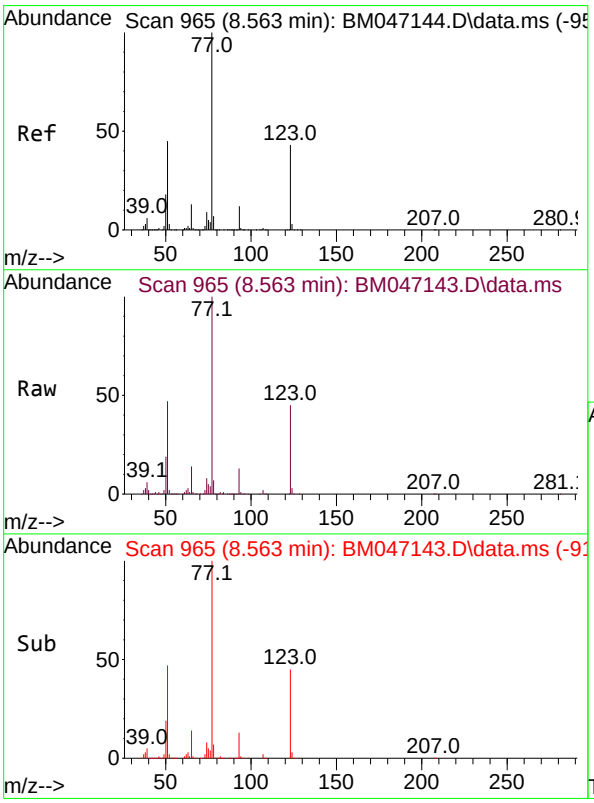
#23
Nitrobenzene-d5
Concen: 42.259 ng
RT: 8.522 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 936280

Ion	Ratio	Lower	Upper
82	100		
128	41.7	32.3	48.5
54	46.9	37.4	56.2

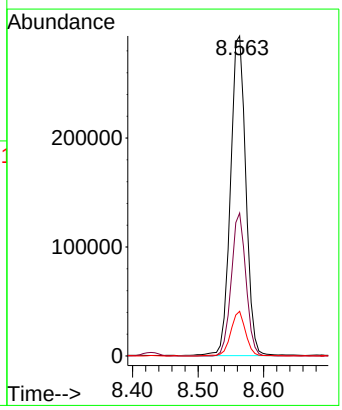


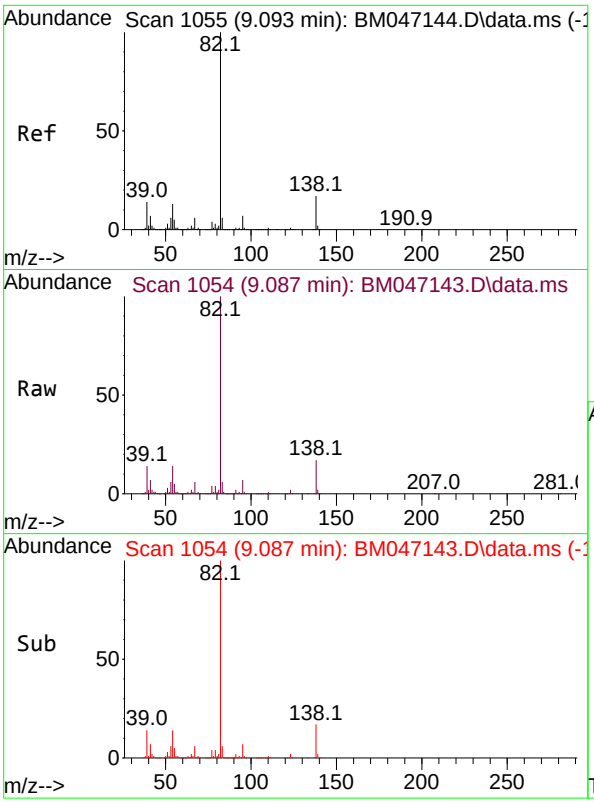


#24
Nitrobenzene
Concen: 21.382 ng
RT: 8.563 min Scan# 965
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion: 77 Resp: 477014

Ion	Ratio	Lower	Upper
77	100		
123	44.7	34.0	51.0
65	13.9	10.5	15.7



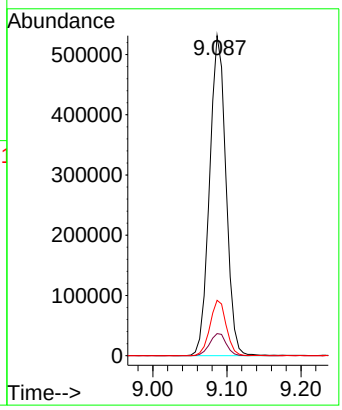


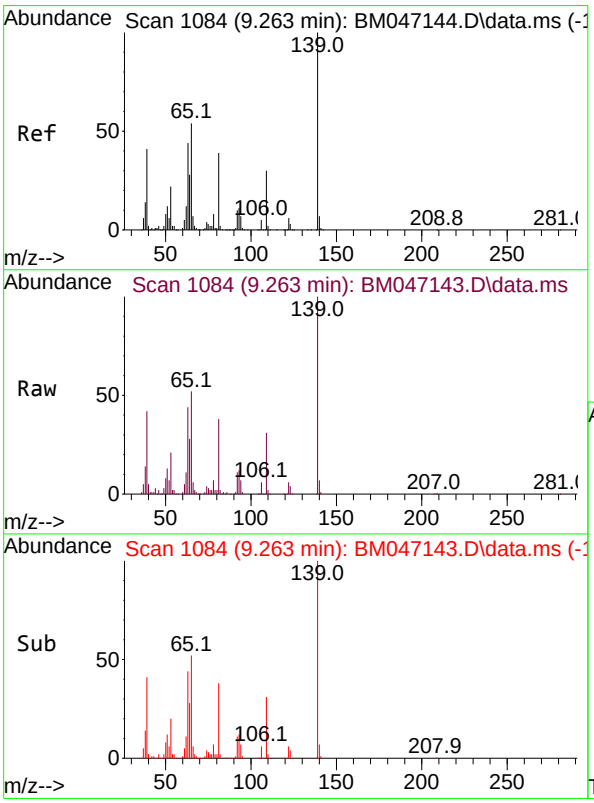
#25
Isophorone
Concen: 21.163 ng
RT: 9.087 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 816407

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	17.3	13.5	20.3

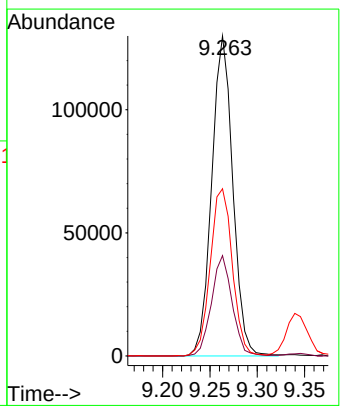


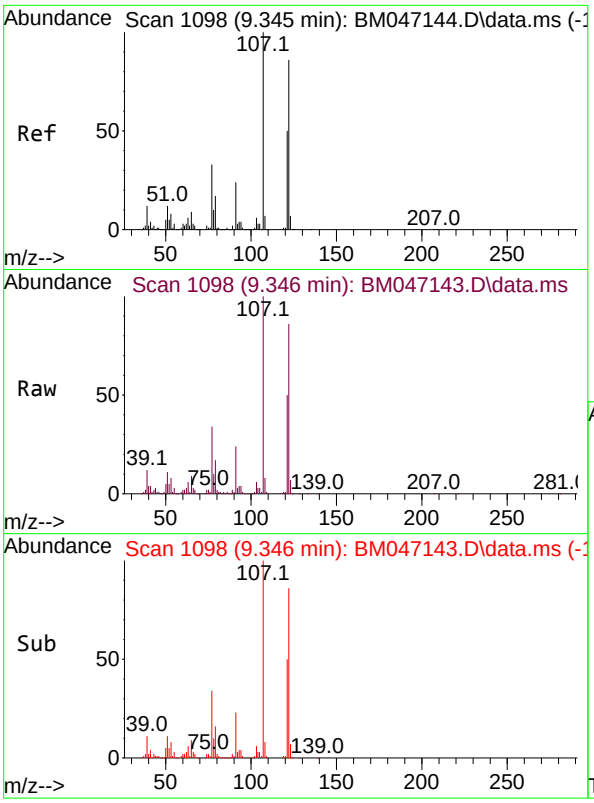


#26
2-Nitrophenol
Concen: 20.351 ng
RT: 9.263 min Scan# 1084
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:139 Resp: 201069

Ion	Ratio	Lower	Upper
139	100		
109	31.3	24.4	36.6
65	52.2	43.0	64.6



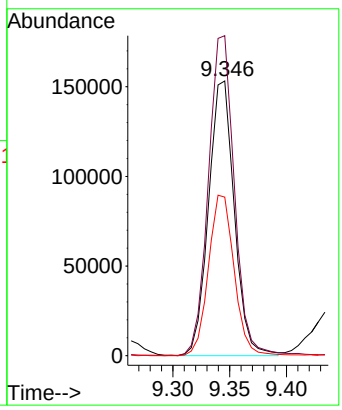


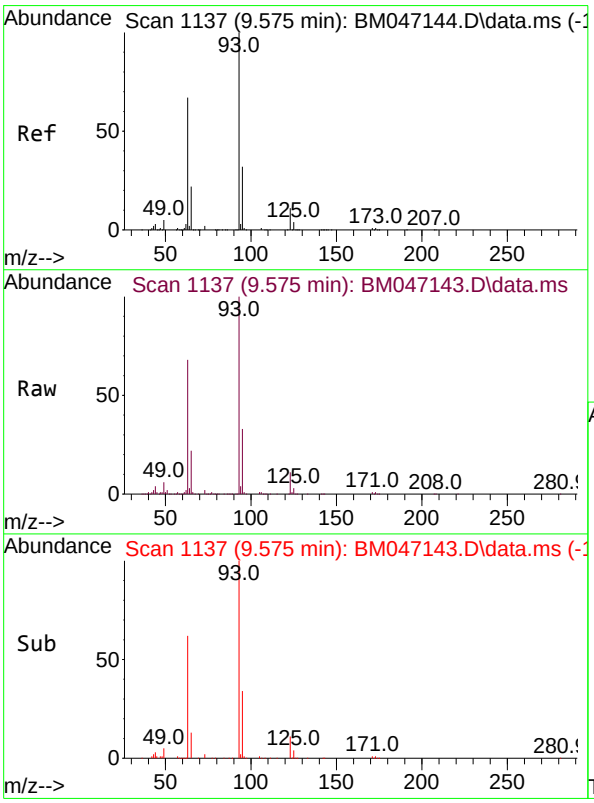
#27
2,4-Dimethylphenol
Concen: 20.924 ng
RT: 9.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 242158

Ion	Ratio	Lower	Upper
122	100		
107	116.5	92.8	139.2
121	57.7	46.1	69.1

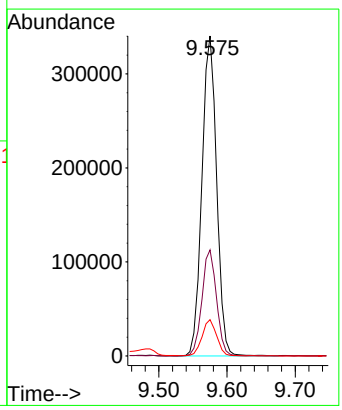


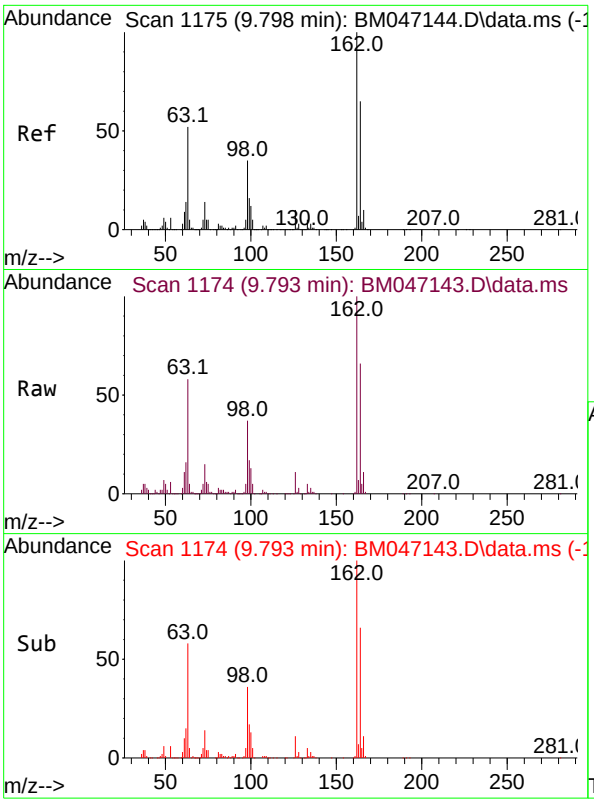


#28
bis(2-Chloroethoxy)methane
Concen: 21.069 ng
RT: 9.575 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion: 93 Resp: 511416

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.8	38.8
123	11.3	9.0	13.4



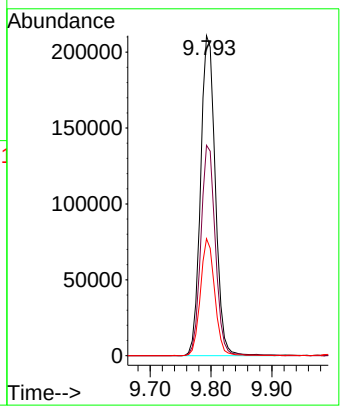


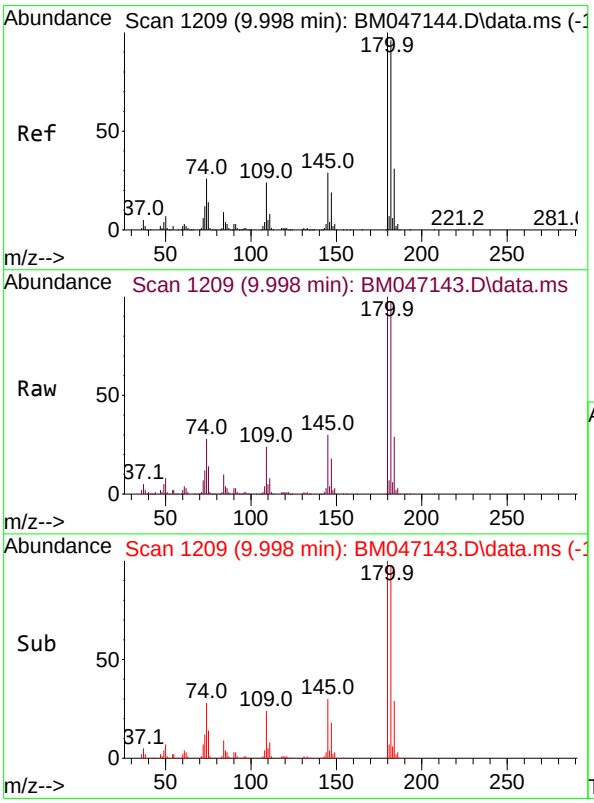
#29
2,4-Dichlorophenol
Concen: 20.667 ng
RT: 9.793 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 354907

Ion	Ratio	Lower	Upper
162	100		
164	65.7	44.7	84.7
98	36.5	14.9	54.9

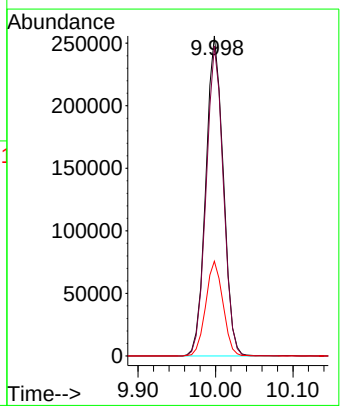


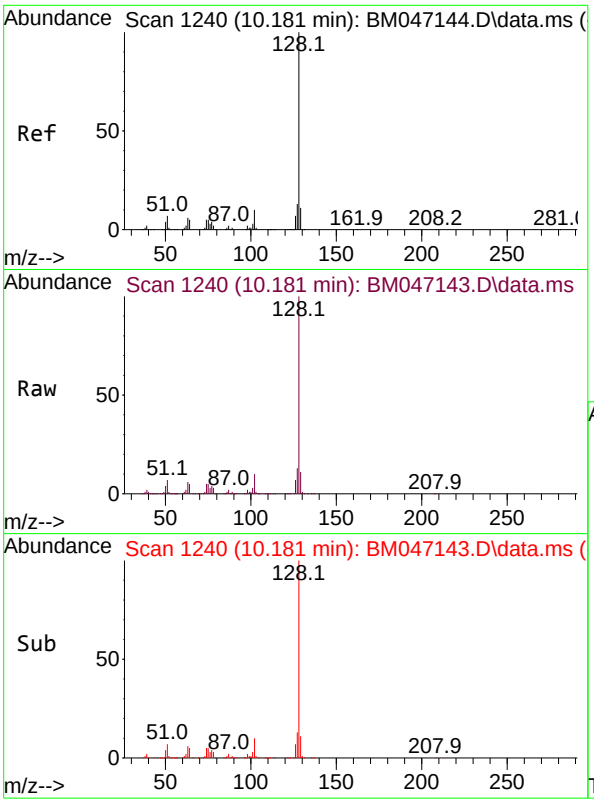


#30
1,2,4-Trichlorobenzene
Concen: 20.598 ng
RT: 9.998 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:180 Resp: 400292

Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.6	115.0
145	29.6	23.4	35.2



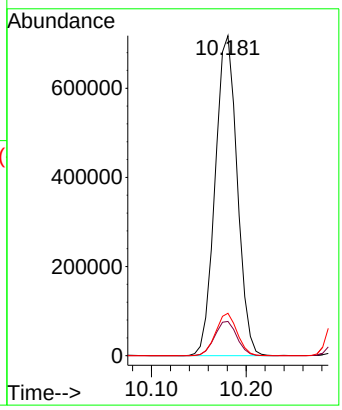


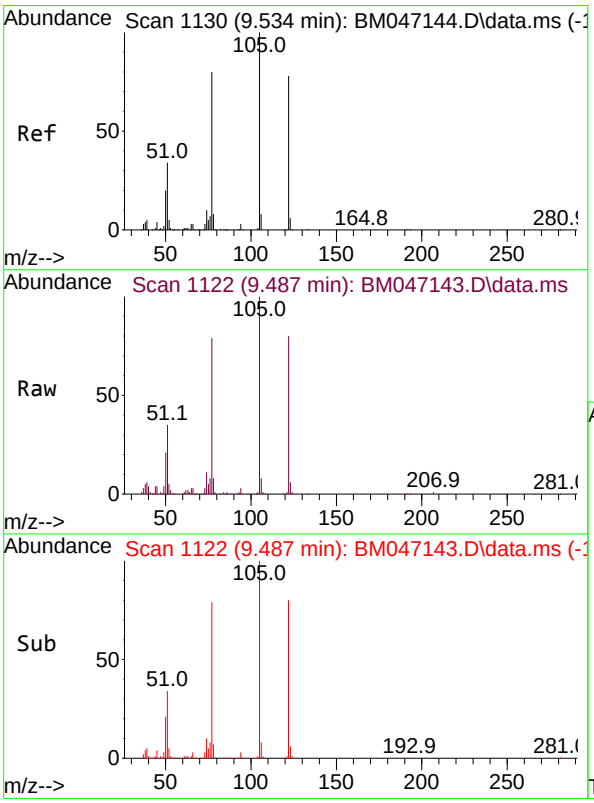
#31
Naphthalene
Concen: 20.911 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 1162115

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	13.3	10.2	15.4

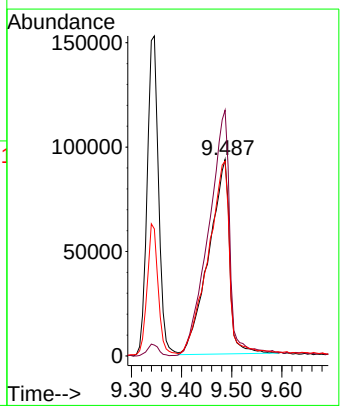


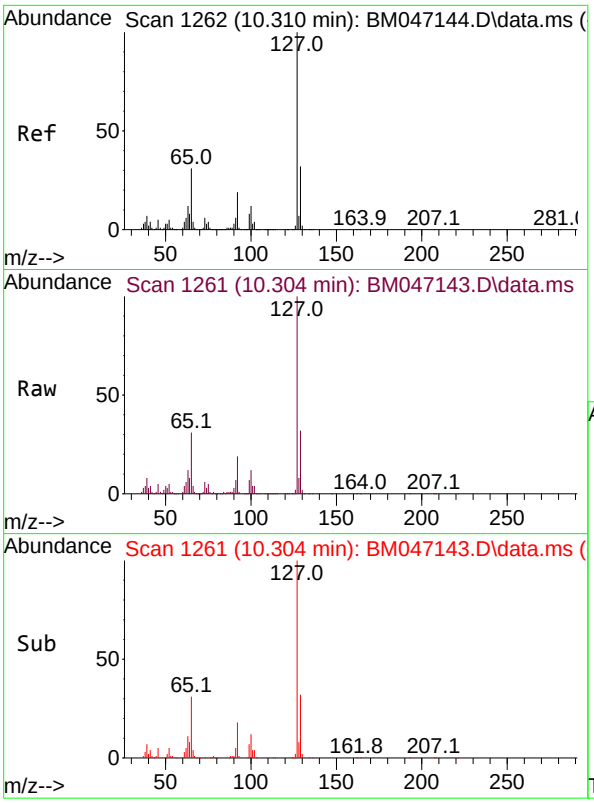


#32
Benzoic acid
Concen: 19.806 ng
RT: 9.487 min Scan# 1122
Delta R.T. -0.047 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:122 Resp: 267804

Ion	Ratio	Lower	Upper
122	100		
105	125.1	107.1	147.1
77	99.1	82.1	122.1



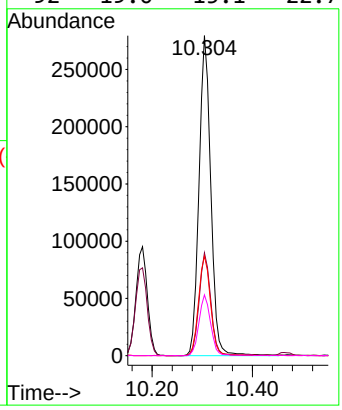


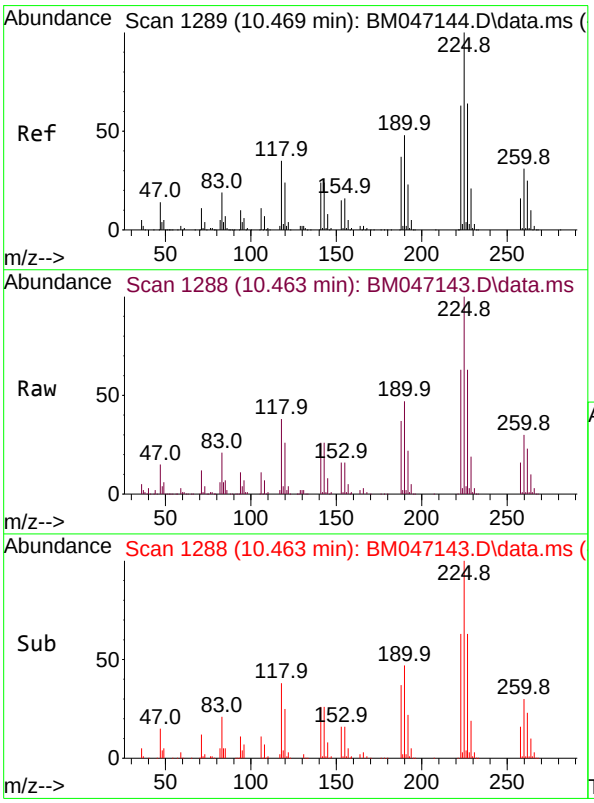
#33
4-Chloroaniline
Concen: 21.333 ng
RT: 10.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 455929

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.8	38.8
65	31.1	24.9	37.3
92	19.0	15.1	22.7

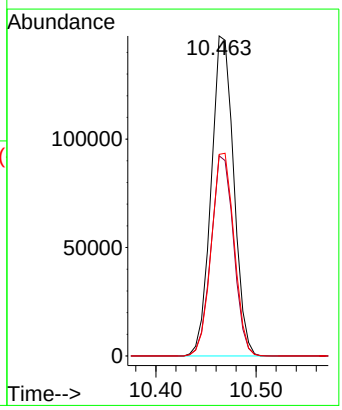


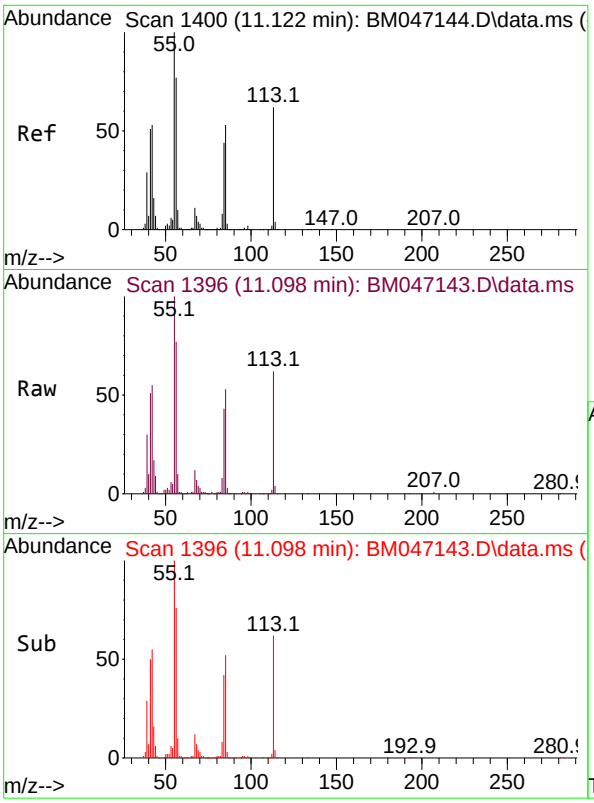


#34
Hexachlorobutadiene
Concen: 20.262 ng
RT: 10.463 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:225 Resp: 230475

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.2	75.2
227	63.0	51.4	77.0



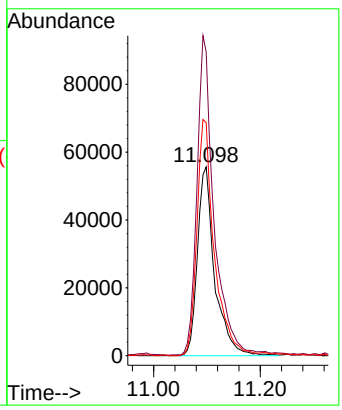


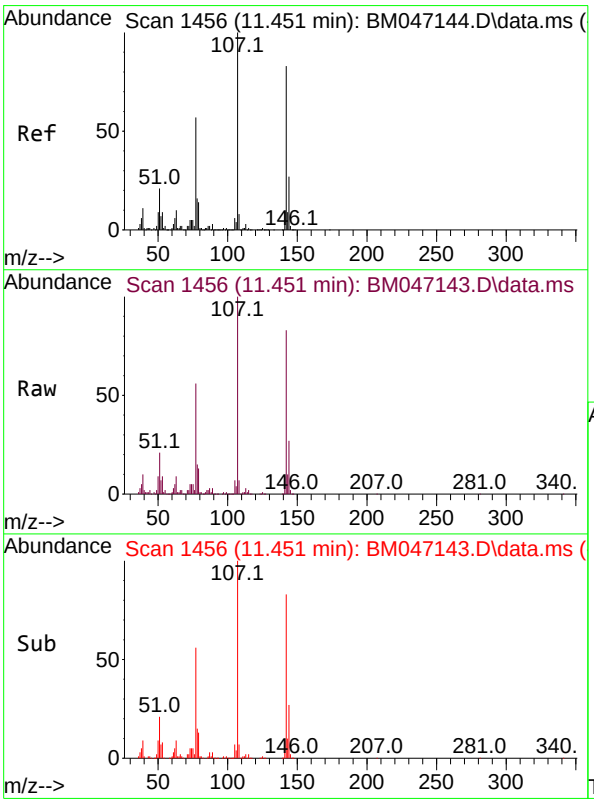
#35
Caprolactam
Concen: 20.923 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 124776

Ion	Ratio	Lower	Upper
113	100		
55	160.8	140.5	180.5
56	123.3	103.6	143.6

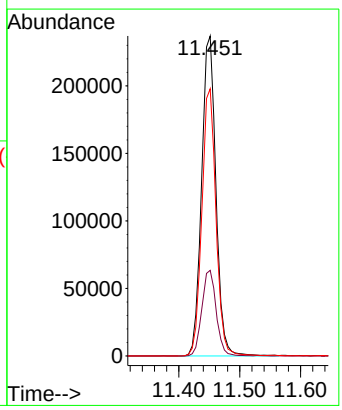


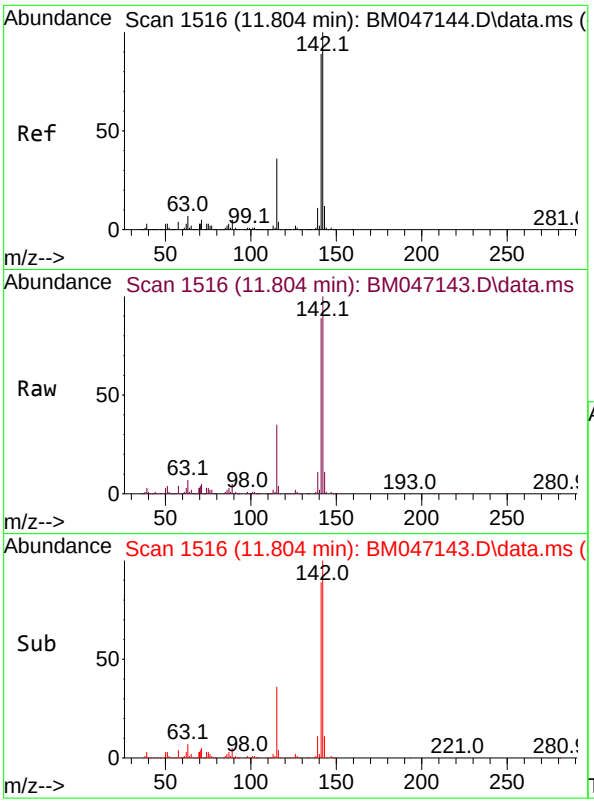


#36
4-Chloro-3-methylphenol
Concen: 21.148 ng
RT: 11.451 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:107 Resp: 386762

Ion	Ratio	Lower	Upper
107	100		
144	26.7	21.8	32.6
142	83.5	66.8	100.2



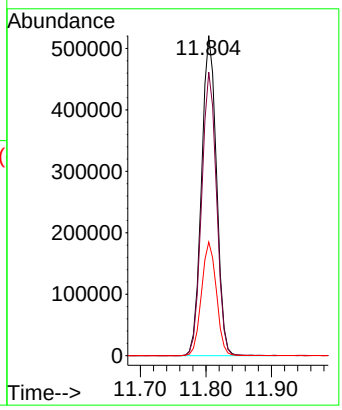


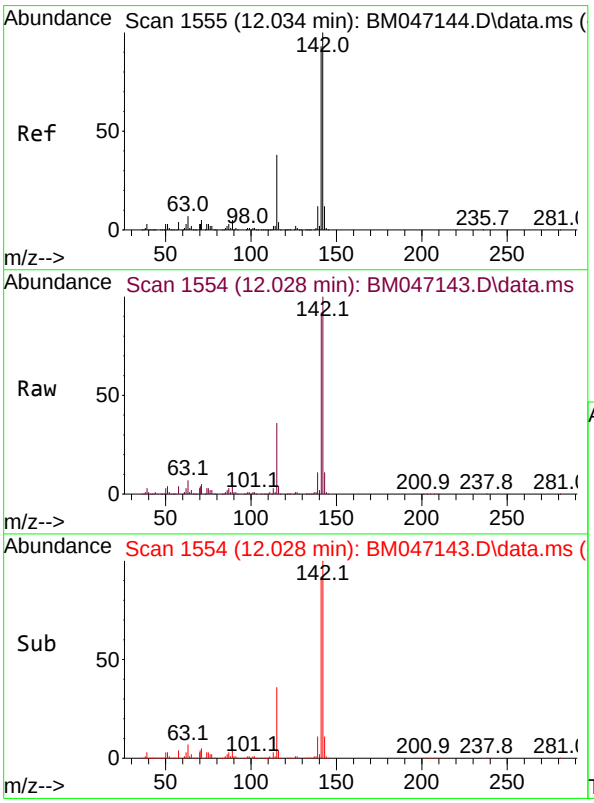
#37
2-Methylnaphthalene
Concen: 20.927 ng
RT: 11.804 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 828088

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.9	106.3
115	35.5	28.7	43.1

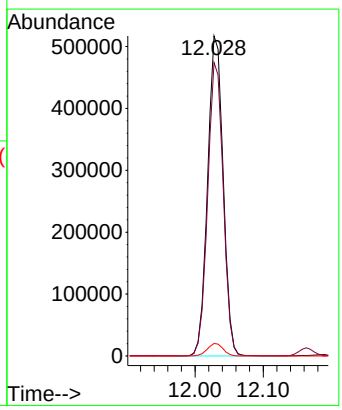


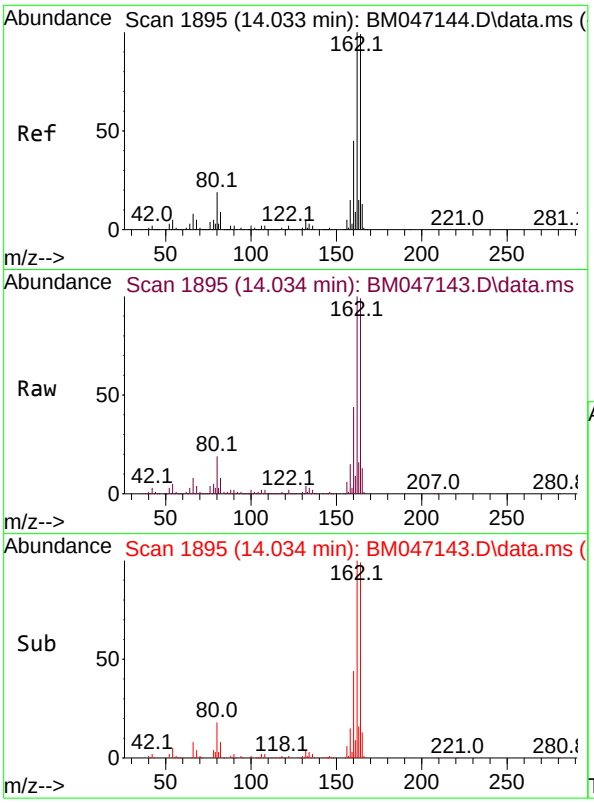


#38
1-Methylnaphthalene
Concen: 20.963 ng
RT: 12.028 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:142 Resp: 819798

Ion	Ratio	Lower	Upper
142	100		
141	91.7	74.6	111.8
116	3.9	3.1	4.7



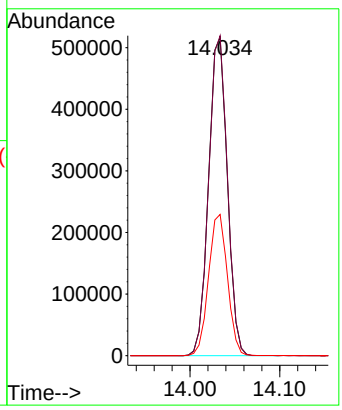


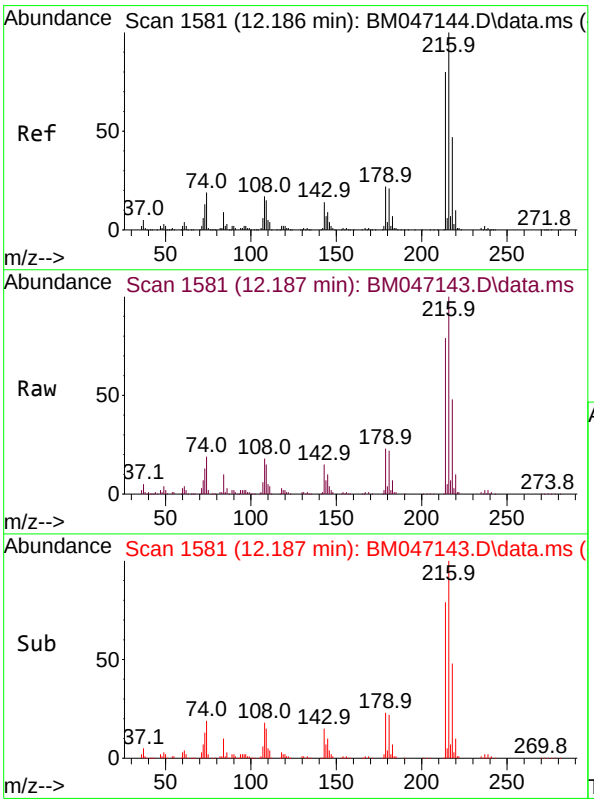
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.034 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 747989

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.7	121.1
160	44.4	36.0	54.0

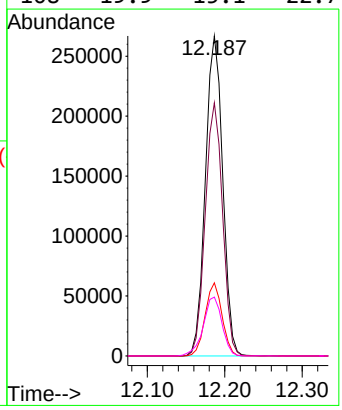


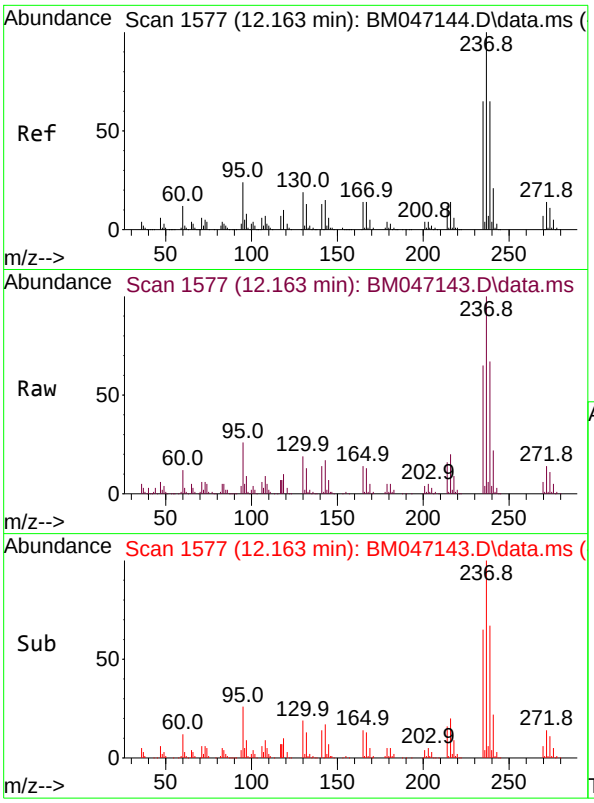


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.313 ng
RT: 12.187 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:216 Resp: 414428

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.4	95.2
179	22.2	17.6	26.4
108	19.9	15.1	22.7



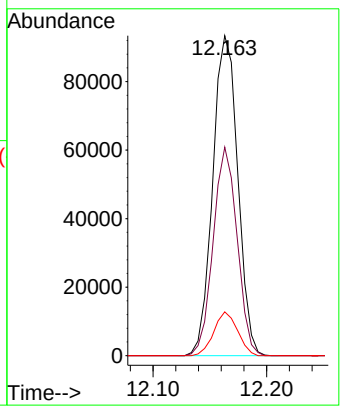


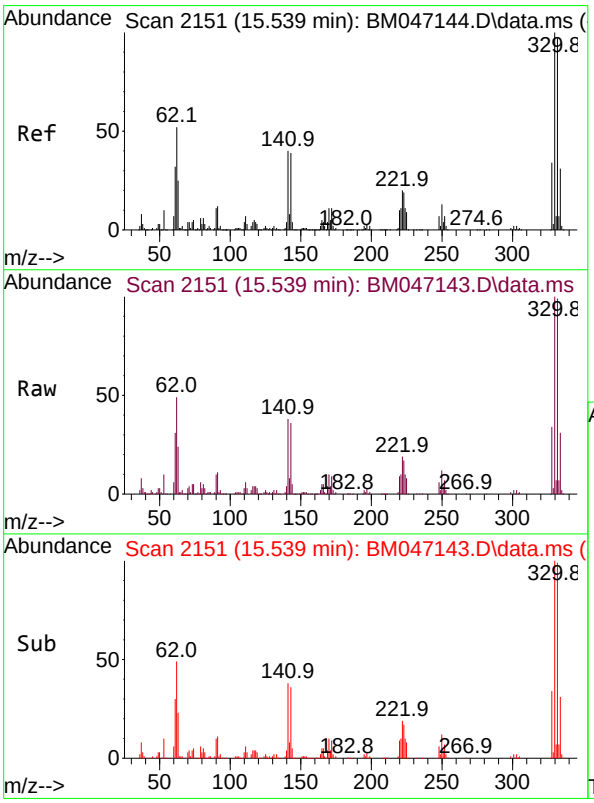
#41
Hexachlorocyclopentadiene
Concen: 20.066 ng
RT: 12.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 142951

Ion	Ratio	Lower	Upper
237	100		
235	65.1	44.8	84.8
272	13.7	0.0	33.5

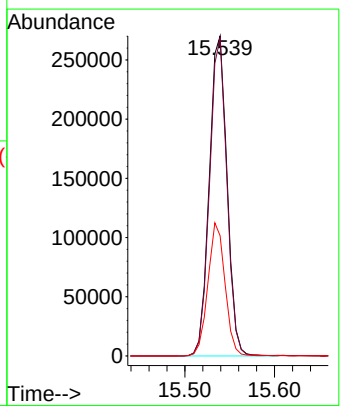


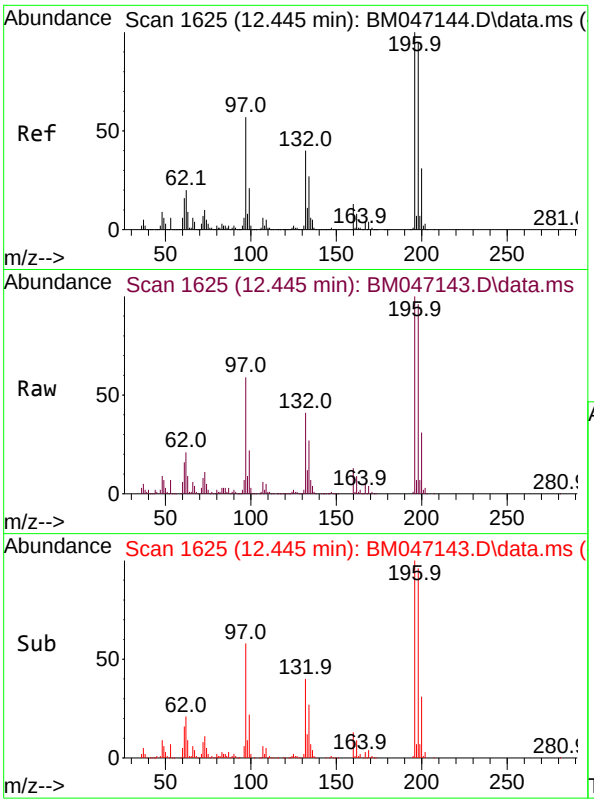


#42
2,4,6-Tribromophenol
Concen: 42.851 ng
RT: 15.539 min Scan# 2151
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:330 Resp: 371649

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.2
141	40.3	31.6	47.4



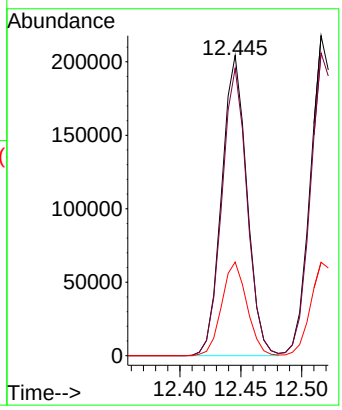


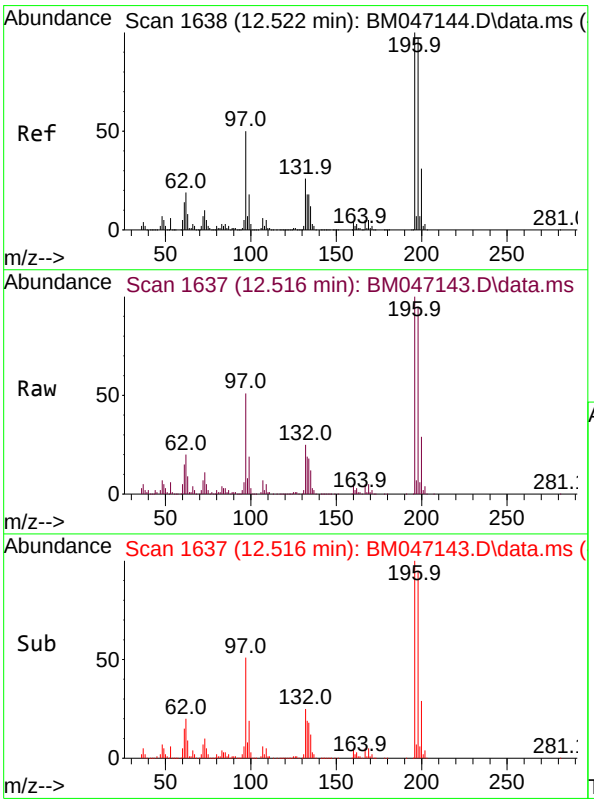
#43
2,4,6-Trichlorophenol
Concen: 20.309 ng
RT: 12.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 294494

Ion	Ratio	Lower	Upper
196	100		
198	95.7	75.6	113.4
200	31.2	24.6	37.0

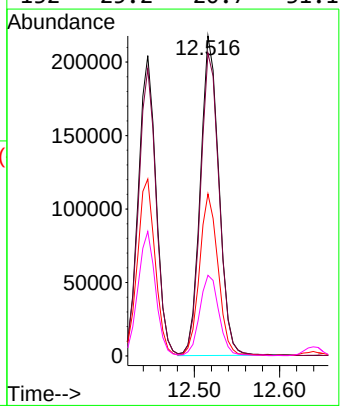


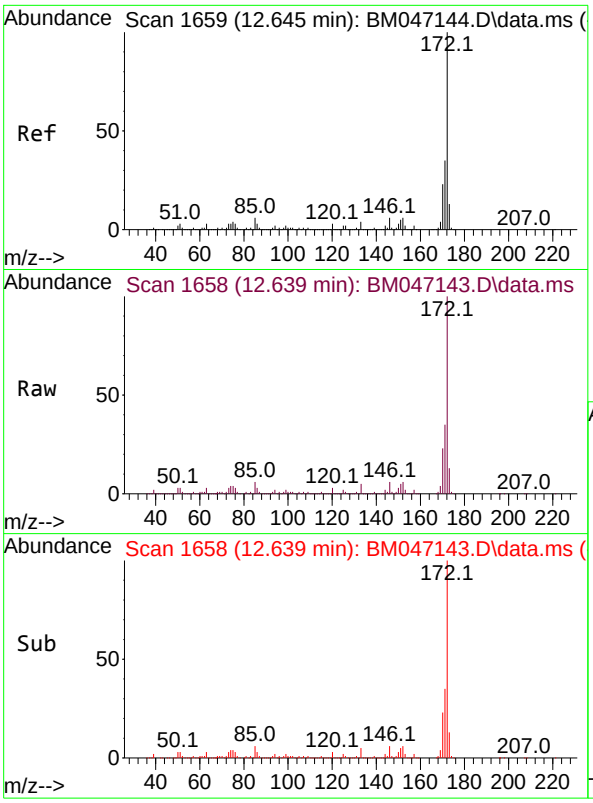


#44
2,4,5-Trichlorophenol
Concen: 20.371 ng
RT: 12.516 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:196 Resp: 327981

Ion	Ratio	Lower	Upper
196	100		
198	94.6	77.7	116.5
97	50.6	39.8	59.8
132	25.2	20.7	31.1



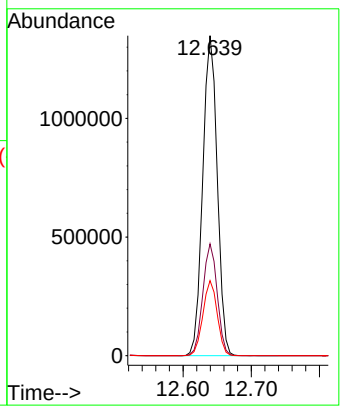


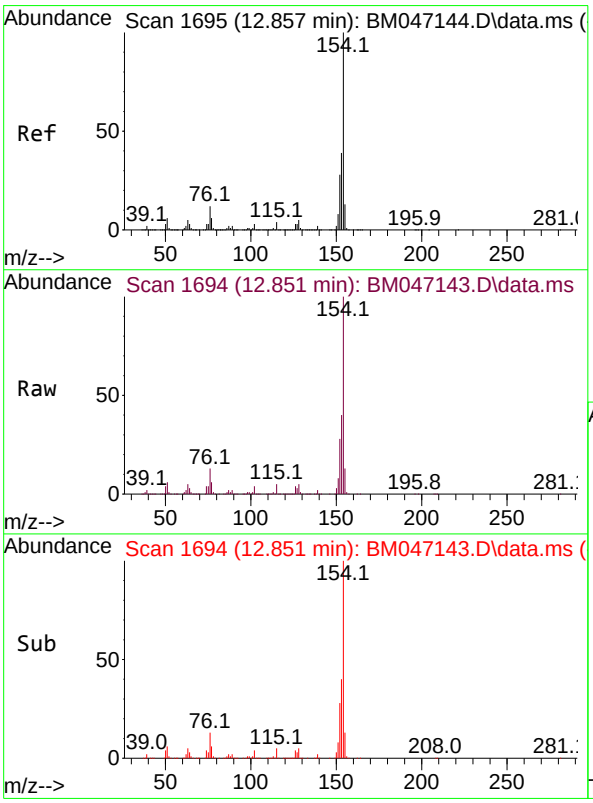
#45
2-Fluorobiphenyl
Concen: 41.204 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 1998004

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.4	18.7	28.1

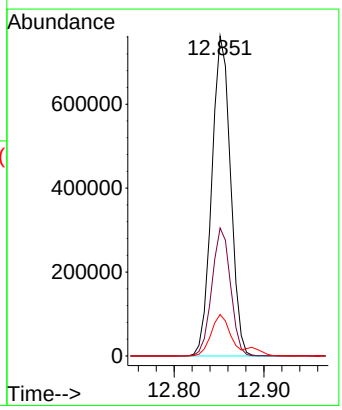


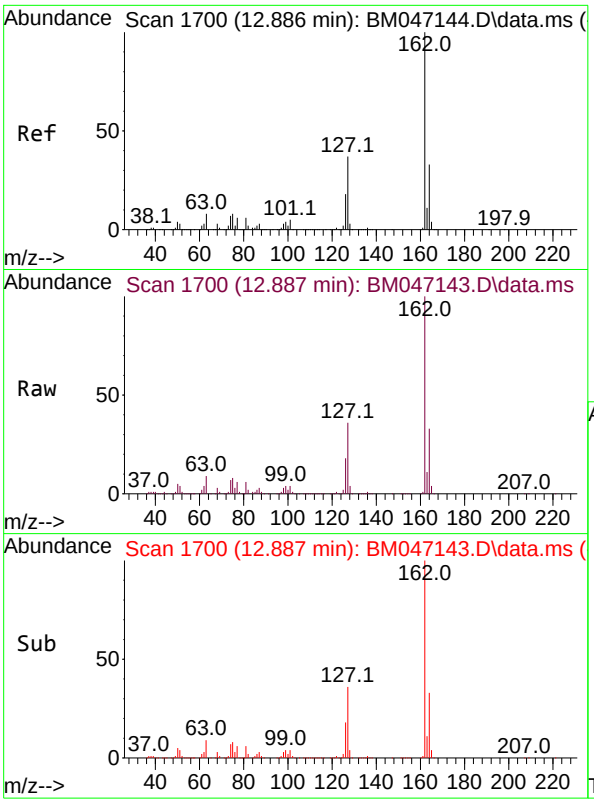


#46
1,1'-Biphenyl
Concen: 20.776 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:154 Resp: 1106359

Ion	Ratio	Lower	Upper
154	100		
153	40.0	19.0	59.0
76	13.0	0.0	31.9



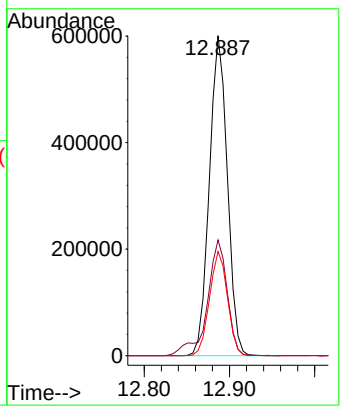


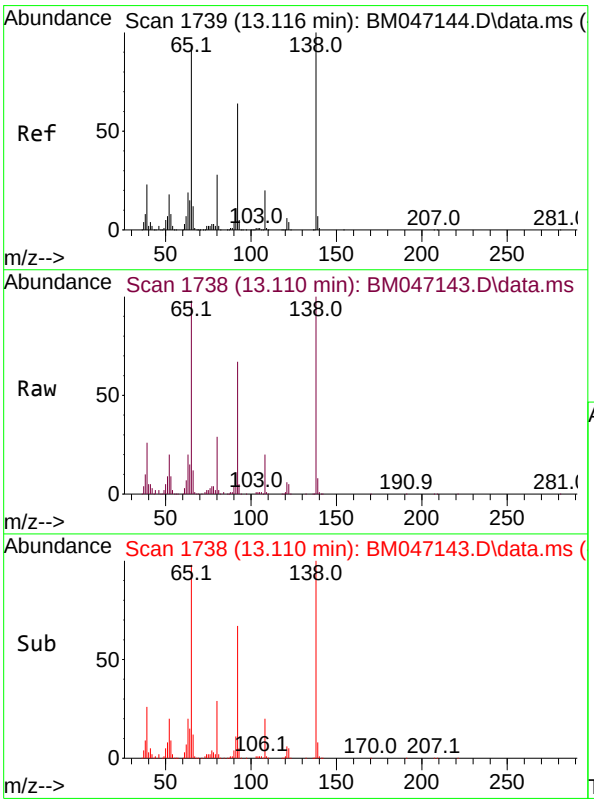
#47
2-Chloronaphthalene
Concen: 21.142 ng
RT: 12.887 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 879955

Ion	Ratio	Lower	Upper
162	100		
127	36.1	30.0	45.0
164	32.6	26.3	39.5

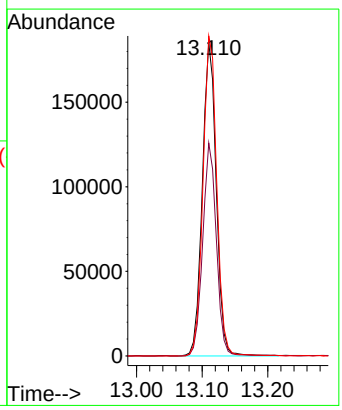


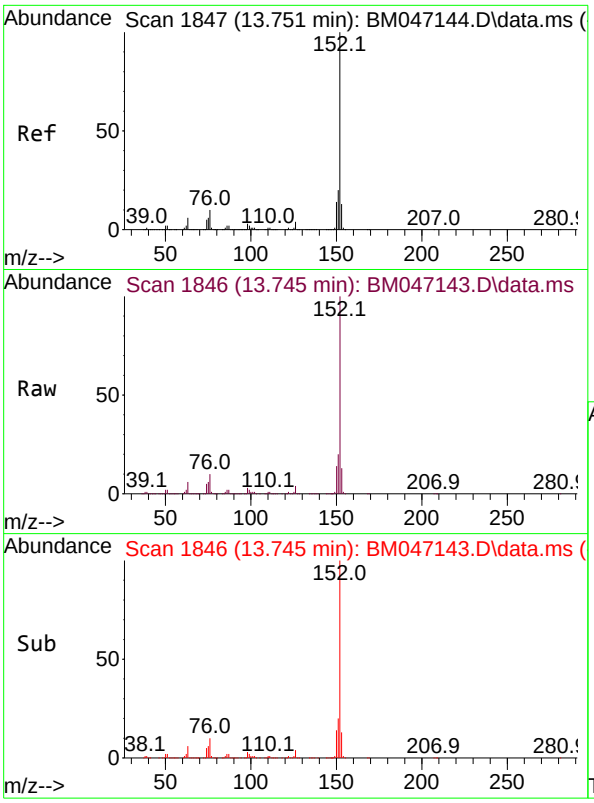


#48
2-Nitroaniline
Concen: 21.044 ng
RT: 13.110 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion: 65 Resp: 274398

Ion	Ratio	Lower	Upper
65	100		
92	68.0	55.1	82.7
138	102.1	85.9	128.9



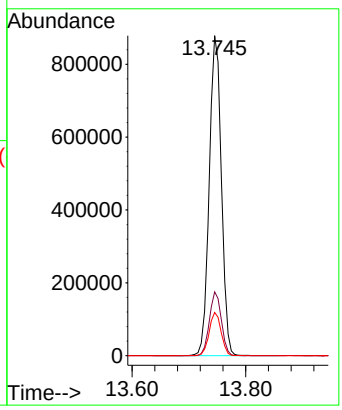


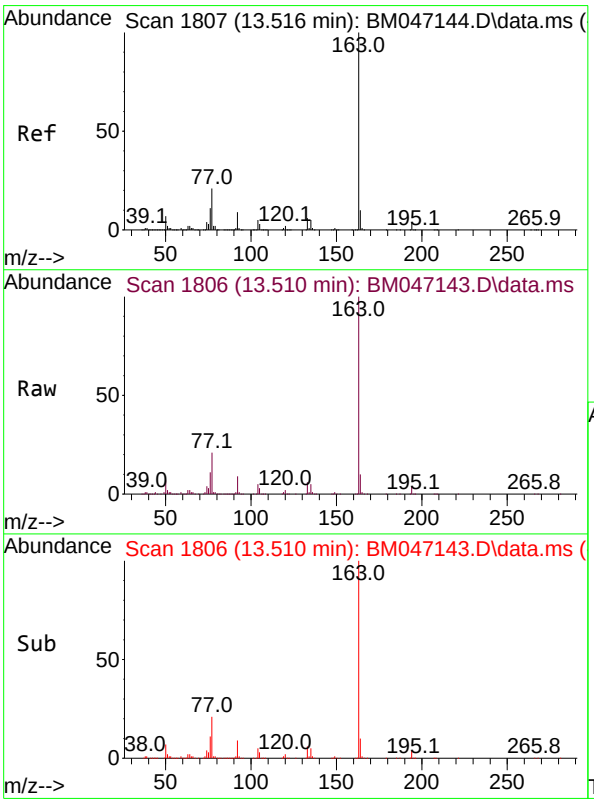
#49
Acenaphthylene
Concen: 21.117 ng
RT: 13.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1295508

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	13.5	10.4	15.6

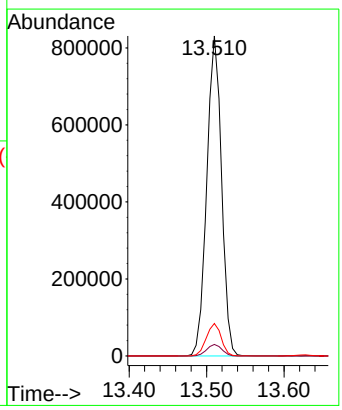


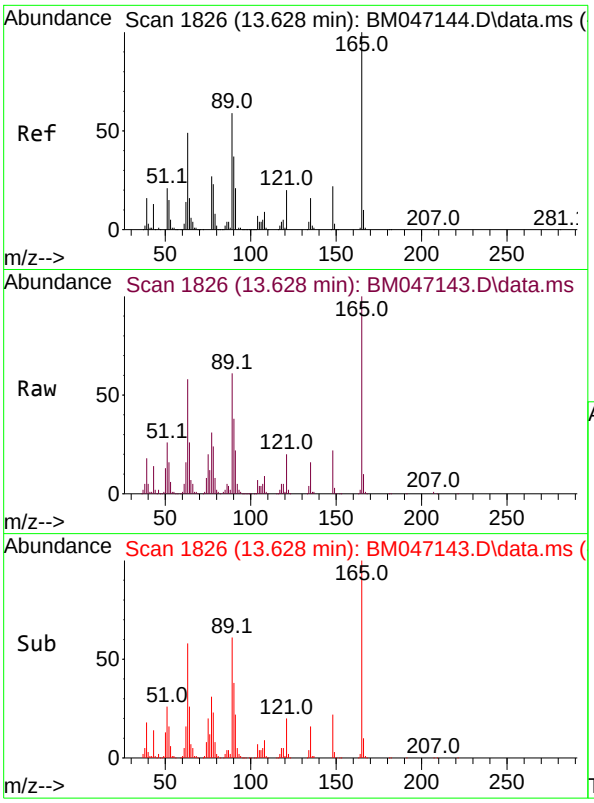


#50
Dimethylphthalate
Concen: 21.023 ng
RT: 13.510 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:163 Resp: 1098249

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.6
164	10.2	8.0	12.0



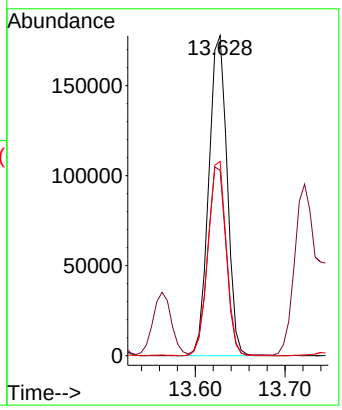


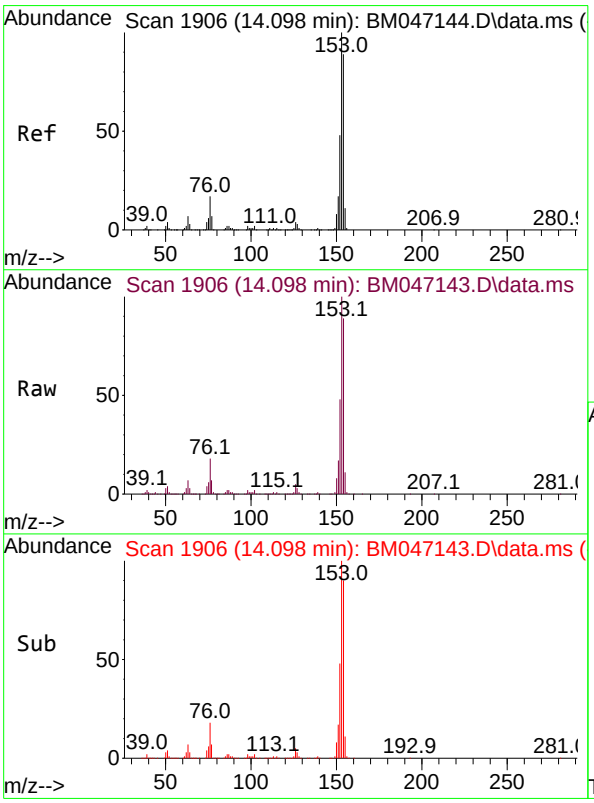
#51
2,6-Dinitrotoluene
Concen: 20.662 ng
RT: 13.628 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 252319

Ion	Ratio	Lower	Upper
165	100		
63	57.9	46.5	69.7
89	60.7	47.3	70.9

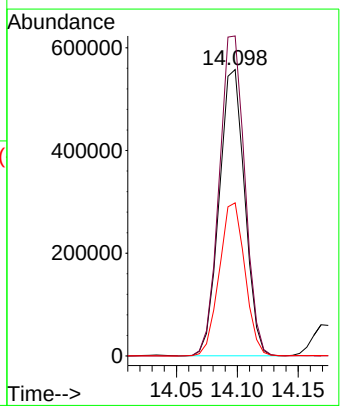


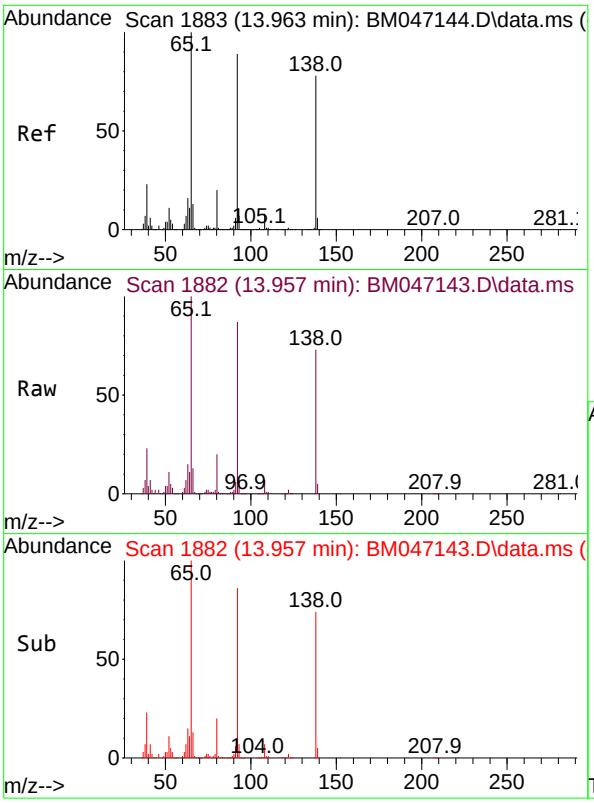


#52
Acenaphthene
Concen: 20.882 ng
RT: 14.098 min Scan# 1906
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:154 Resp: 812631

Ion	Ratio	Lower	Upper
154	100		
153	111.7	90.3	135.5
152	53.5	42.9	64.3



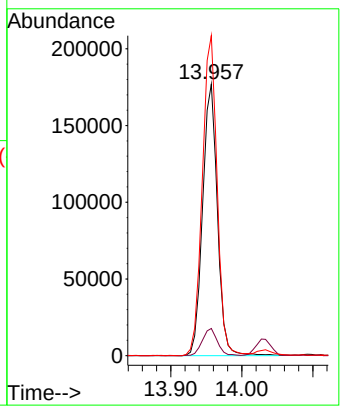


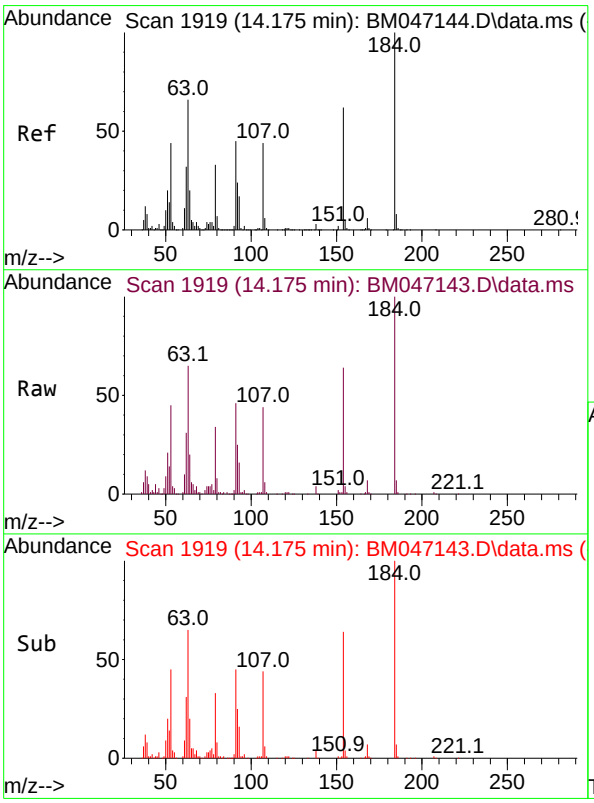
#53
3-Nitroaniline
Concen: 21.012 ng
RT: 13.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 257120

Ion	Ratio	Lower	Upper
138	100		
108	10.0	7.9	11.9
92	117.8	92.0	138.0

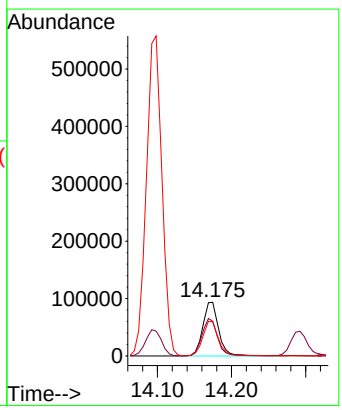


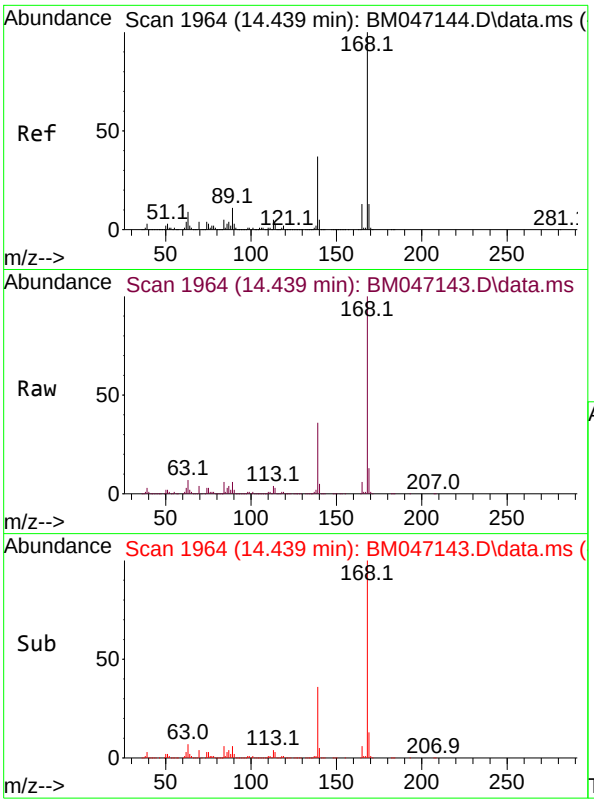


#54
2,4-Dinitrophenol
Concen: 18.886 ng
RT: 14.175 min Scan# 1919
Delta R.T. -0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:184 Resp: 138230

Ion	Ratio	Lower	Upper
184	100		
63	64.9	52.7	79.1
154	63.5	50.4	75.6



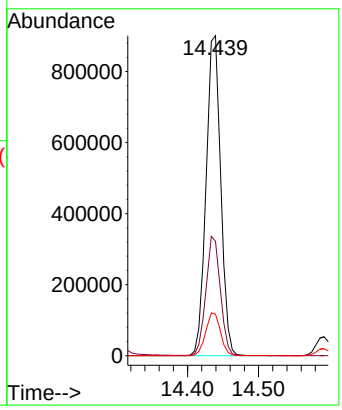


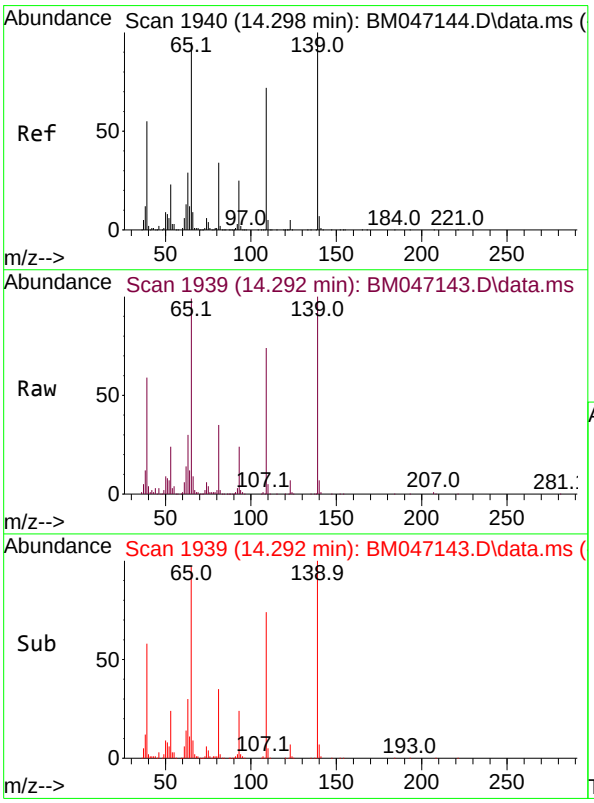
#55
Dibenzofuran
Concen: 21.028 ng
RT: 14.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 1292618

Ion	Ratio	Lower	Upper
168	100		
139	35.8	29.6	44.4
169	13.0	10.7	16.1

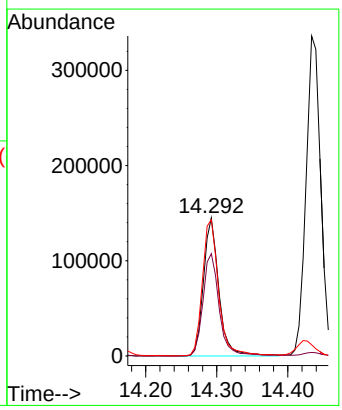


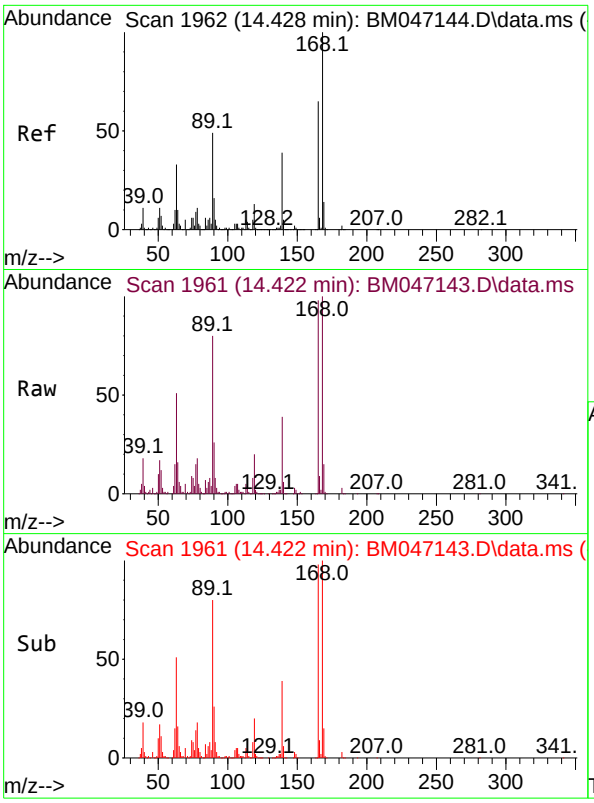


#56
4-Nitrophenol
Concen: 20.755 ng
RT: 14.292 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:139 Resp: 219007

Ion	Ratio	Lower	Upper
139	100		
109	74.0	52.5	92.5
65	98.5	75.4	115.4



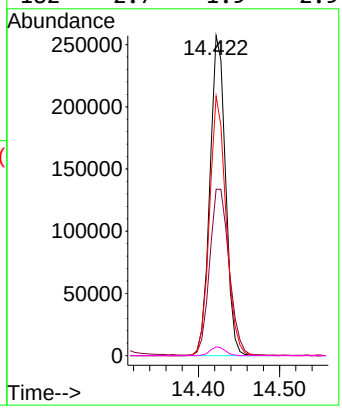


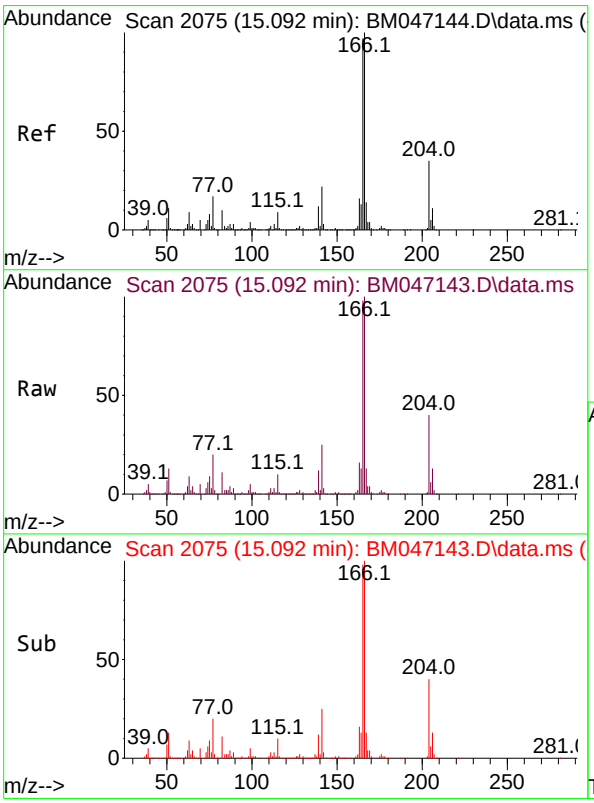
#57
2,4-Dinitrotoluene
Concen: 21.094 ng
RT: 14.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 343833

Ion	Ratio	Lower	Upper
165	100		
63	52.0	40.3	60.5
89	81.1	61.0	91.6
182	2.7	1.9	2.9

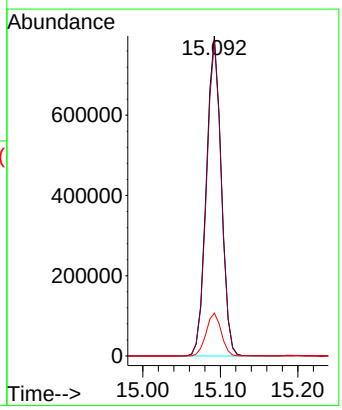


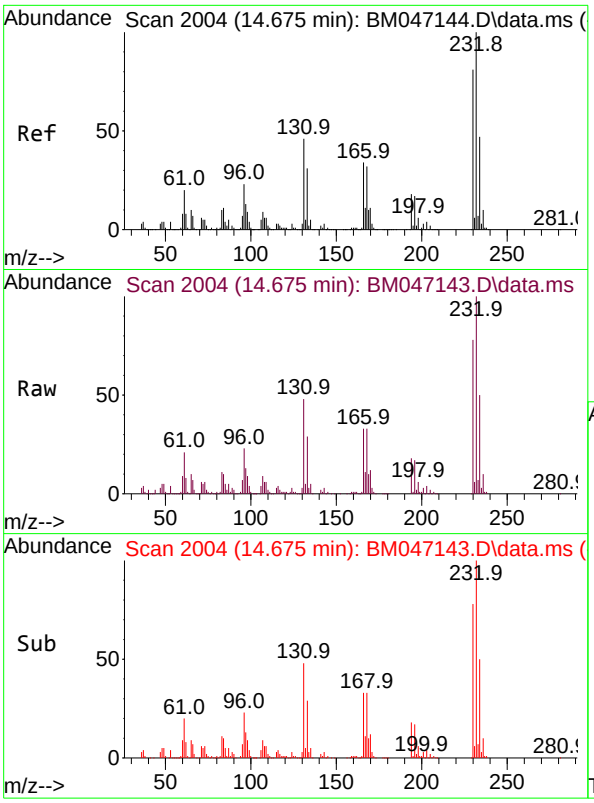


#58
Fluorene
Concen: 21.024 ng
RT: 15.092 min Scan# 2075
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:166 Resp: 1066342

Ion	Ratio	Lower	Upper
166	100		
165	98.4	77.4	116.0
167	13.4	11.0	16.6



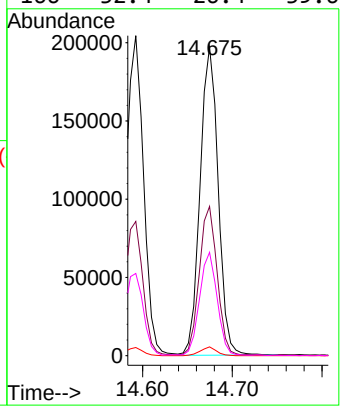


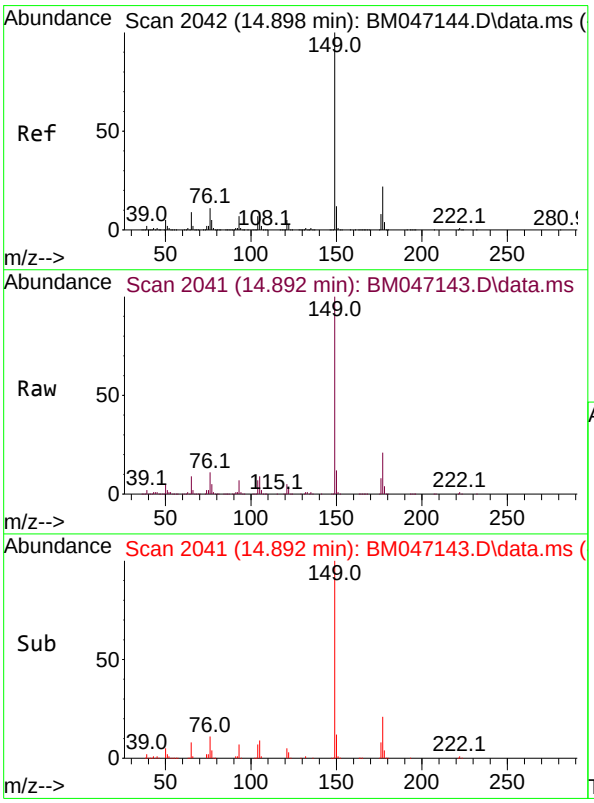
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.846 ng
RT: 14.675 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 275845

Ion	Ratio	Lower	Upper
232	100		
131	47.9	36.9	55.3
130	2.5	2.0	3.0
166	32.4	26.4	39.6

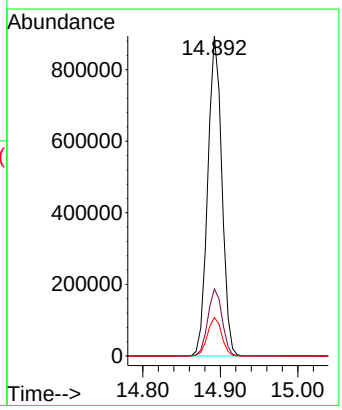


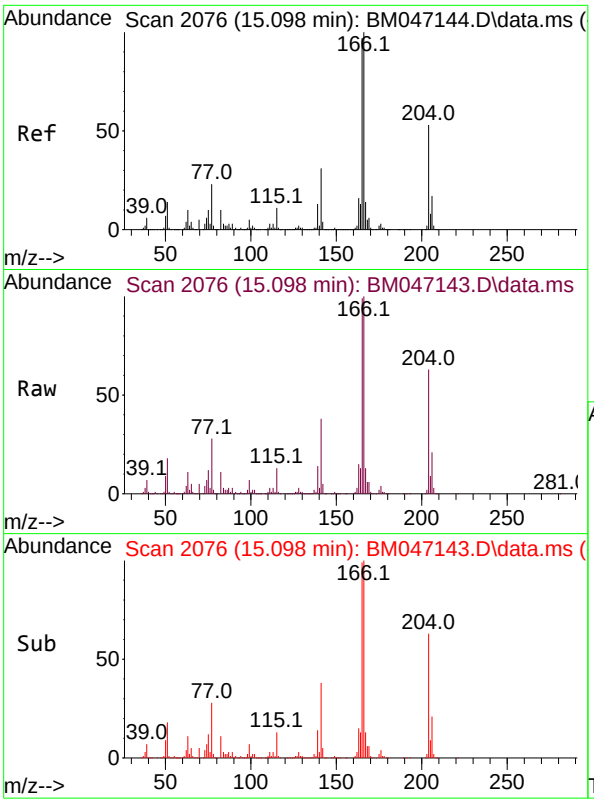


#60
Diethylphthalate
Concen: 21.113 ng
RT: 14.892 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:149 Resp: 1126281

Ion	Ratio	Lower	Upper
149	100		
177	21.0	17.6	26.4
150	12.0	9.8	14.6



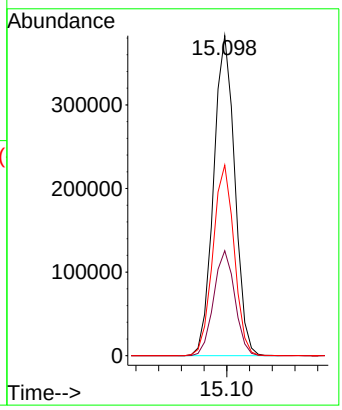


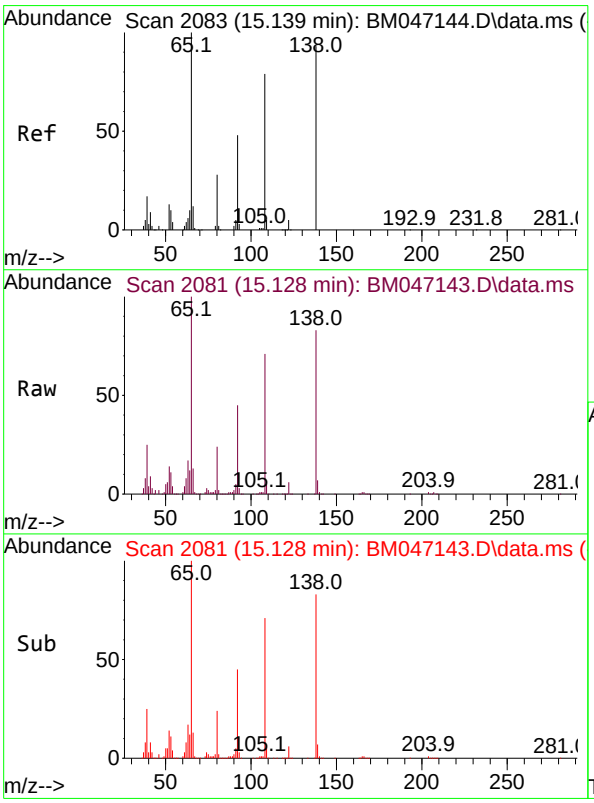
#61
4-Chlorophenyl-phenylether
Concen: 20.551 ng
RT: 15.098 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 496242

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.2	39.4
141	59.5	47.2	70.8

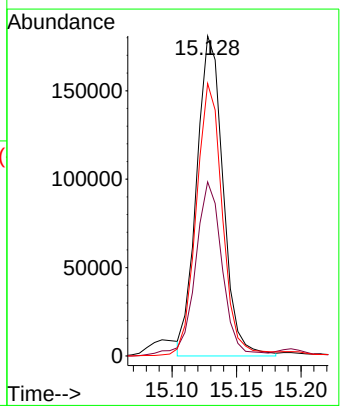


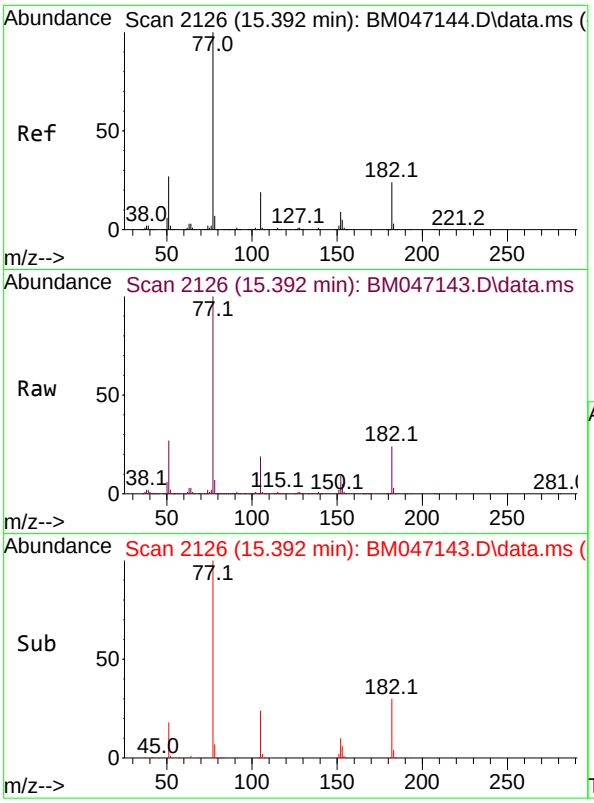


#62
4-Nitroaniline
Concen: 21.445 ng m
RT: 15.128 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:138 Resp: 258531

Ion	Ratio	Lower	Upper
138	100		
92	54.4	31.9	71.9
108	85.1	63.8	103.8



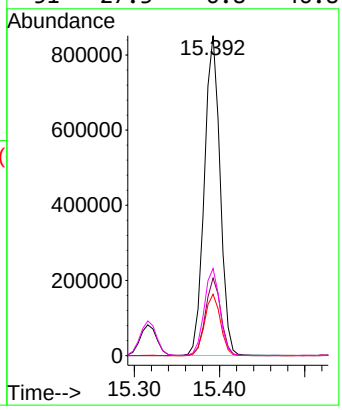


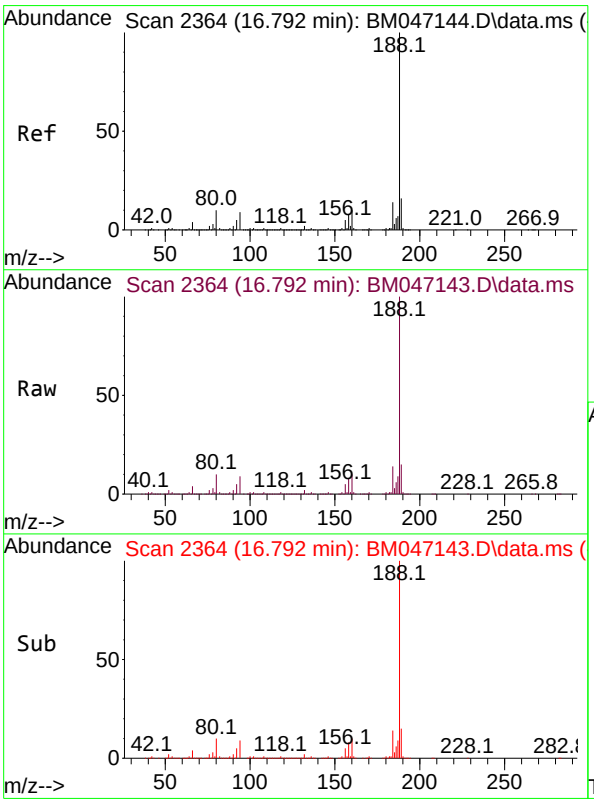
#63
Azobenzene
Concen: 21.550 ng
RT: 15.392 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 1090035

Ion	Ratio	Lower	Upper
77	100		
182	24.2	3.8	43.8
105	19.2	0.0	39.5
51	27.3	6.8	46.8

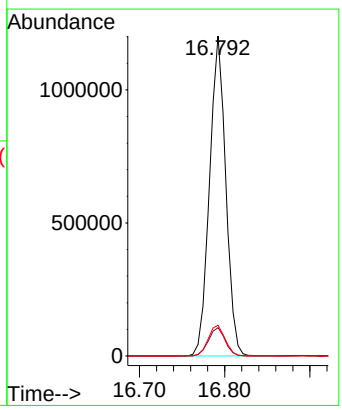


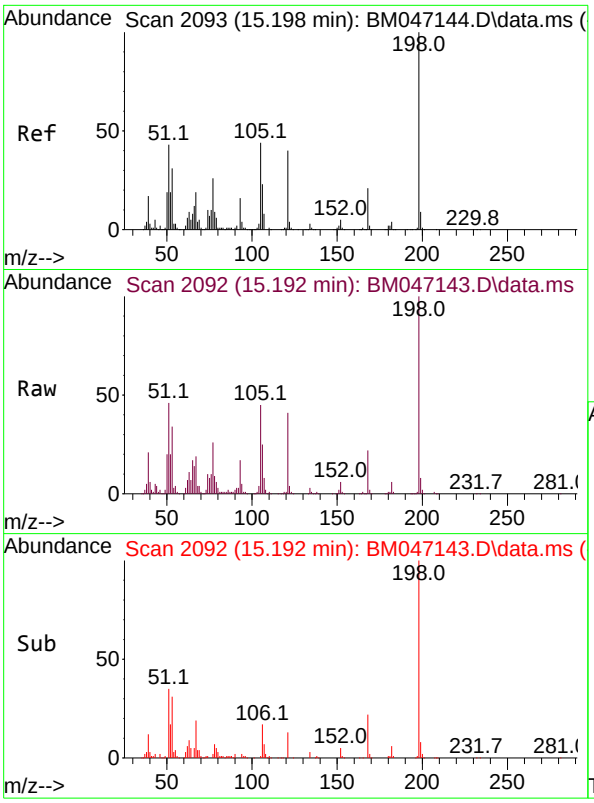


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:188 Resp: 1595663

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.0	10.6
80	9.6	8.0	12.0



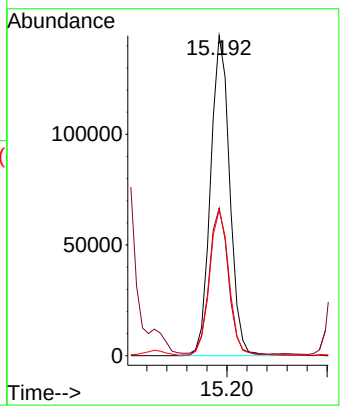


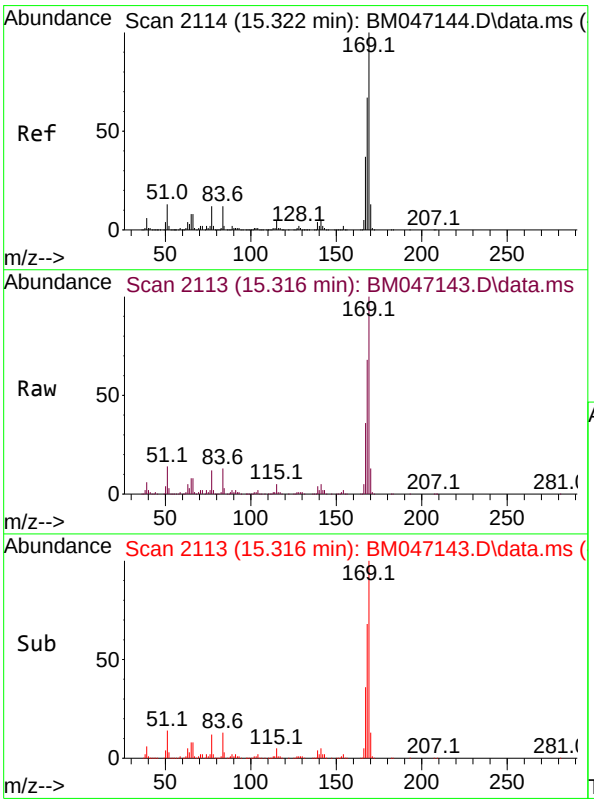
#65
4,6-Dinitro-2-methylphenol
Concen: 20.511 ng
RT: 15.192 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 191622

Ion	Ratio	Lower	Upper
198	100		
51	46.1	23.9	63.9
105	45.5	24.3	64.3

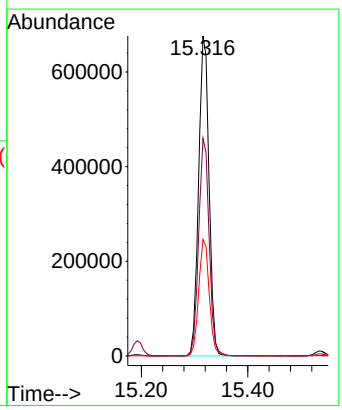


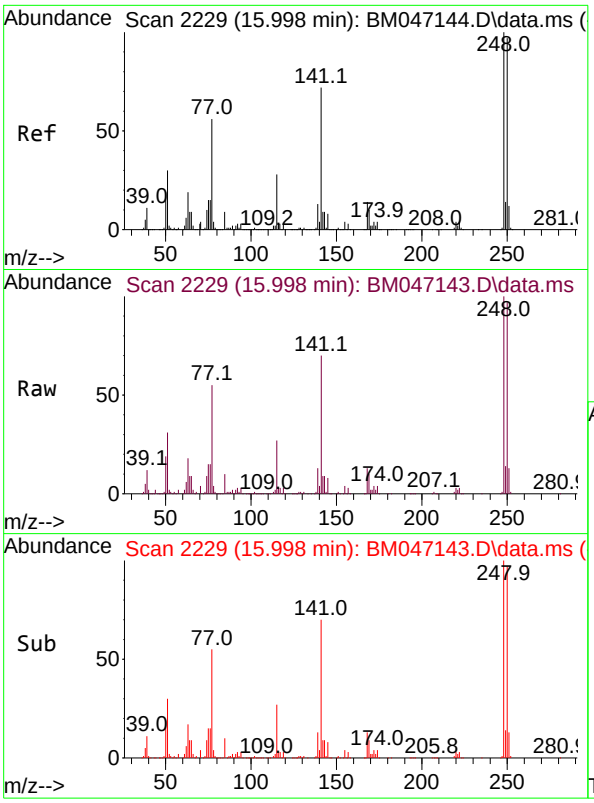


#66
n-Nitrosodiphenylamine
Concen: 21.049 ng
RT: 15.316 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:169 Resp: 914838

Ion	Ratio	Lower	Upper
169	100		
168	68.0	53.8	80.8
167	36.4	29.3	43.9



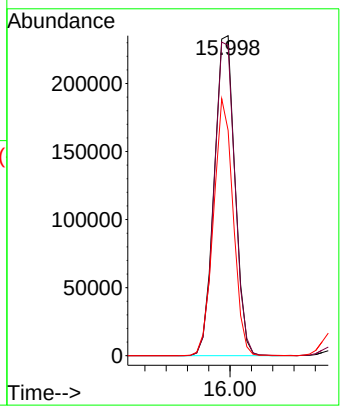


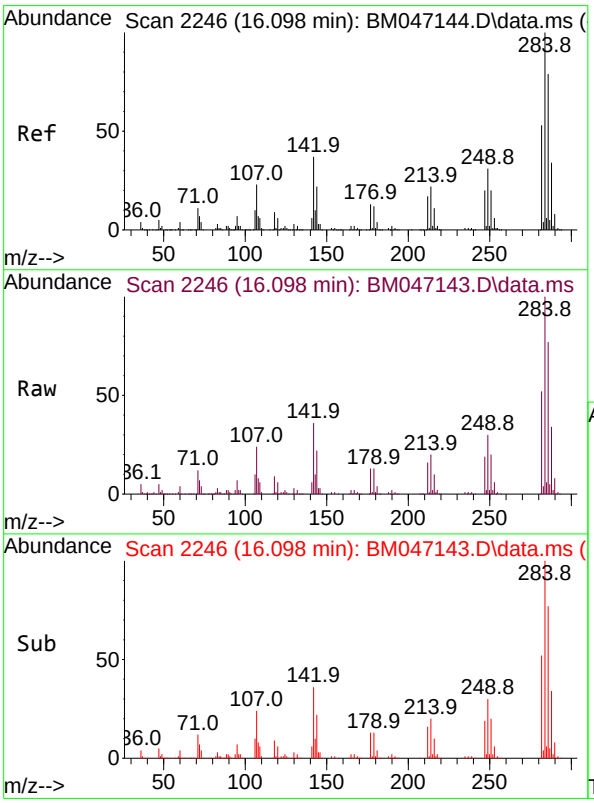
#67
4-Bromophenyl-phenylether
Concen: 20.583 ng
RT: 15.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 316488

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.8	116.8
141	70.4	57.7	86.5

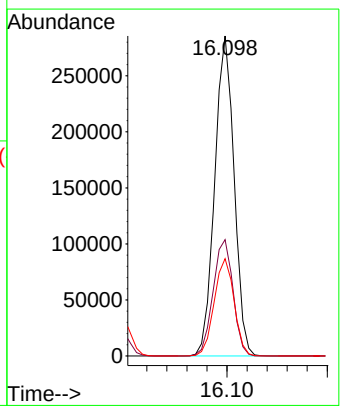


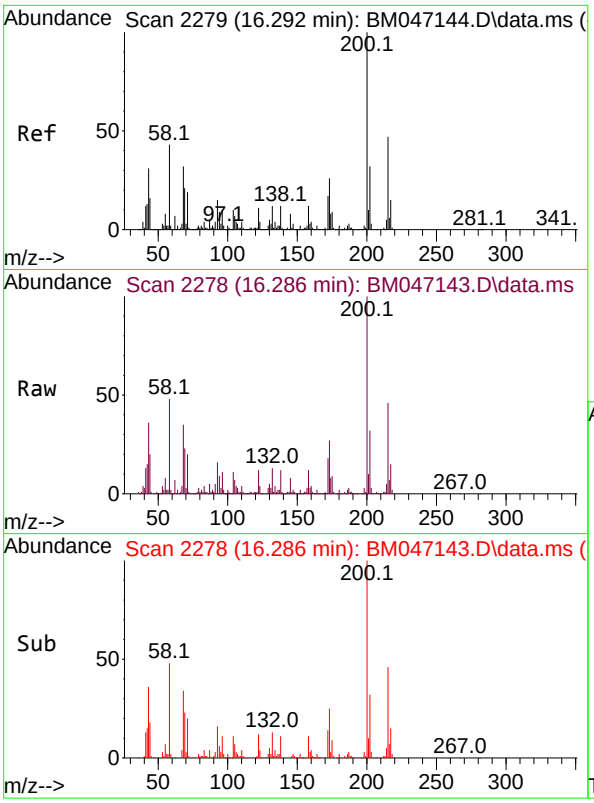


#68
Hexachlorobenzene
Concen: 20.765 ng
RT: 16.098 min Scan# 2246
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:284 Resp: 382395

Ion	Ratio	Lower	Upper
284	100		
142	36.3	29.4	44.0
249	30.4	25.1	37.7



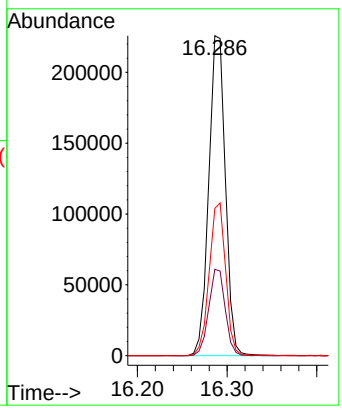


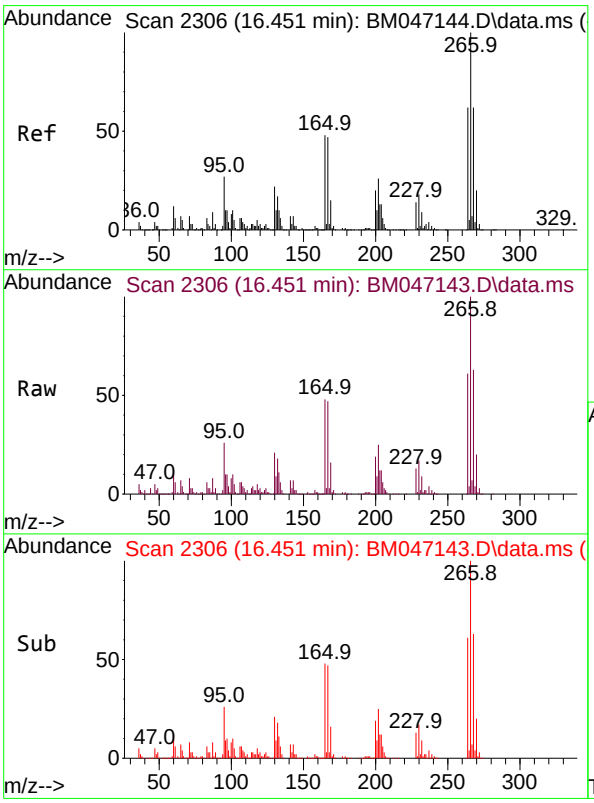
#69
Atrazine
Concen: 22.231 ng
RT: 16.286 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 290743

Ion	Ratio	Lower	Upper
200	100		
173	27.0	6.1	46.1
215	46.1	26.8	66.8

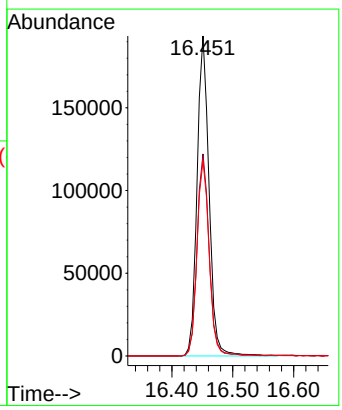


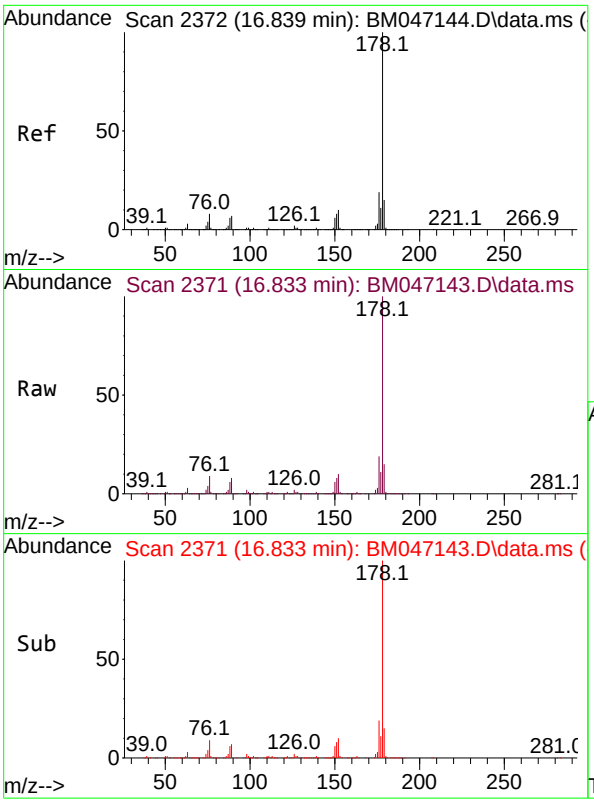


#70
Pentachlorophenol
Concen: 20.430 ng
RT: 16.451 min Scan# 2306
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:266 Resp: 263728

Ion	Ratio	Lower	Upper
266	100		
268	63.1	49.8	74.6
264	60.8	49.6	74.4



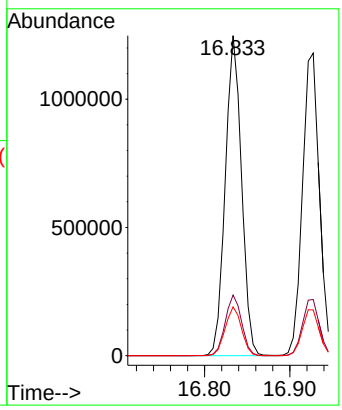


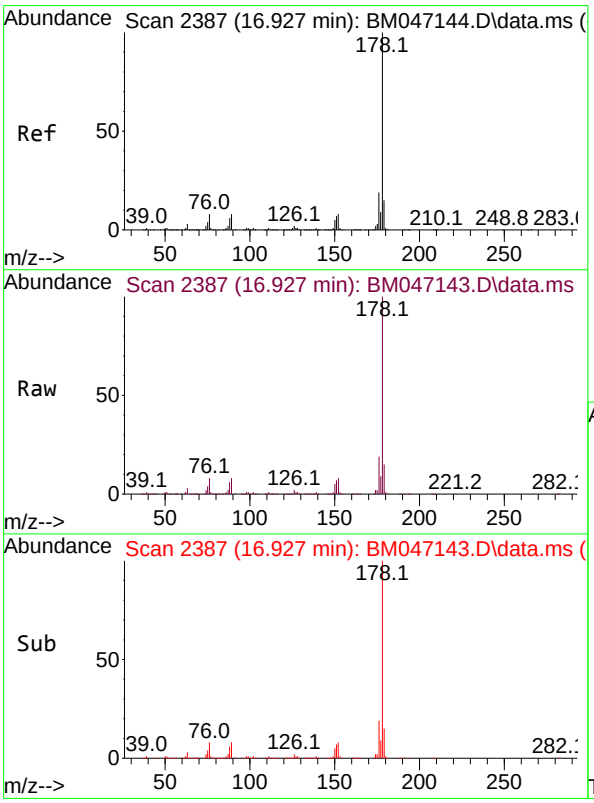
#71
Phenanthrene
Concen: 20.634 ng
RT: 16.833 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1652375

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.2	12.4	18.6

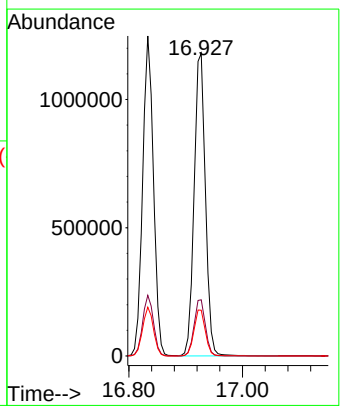


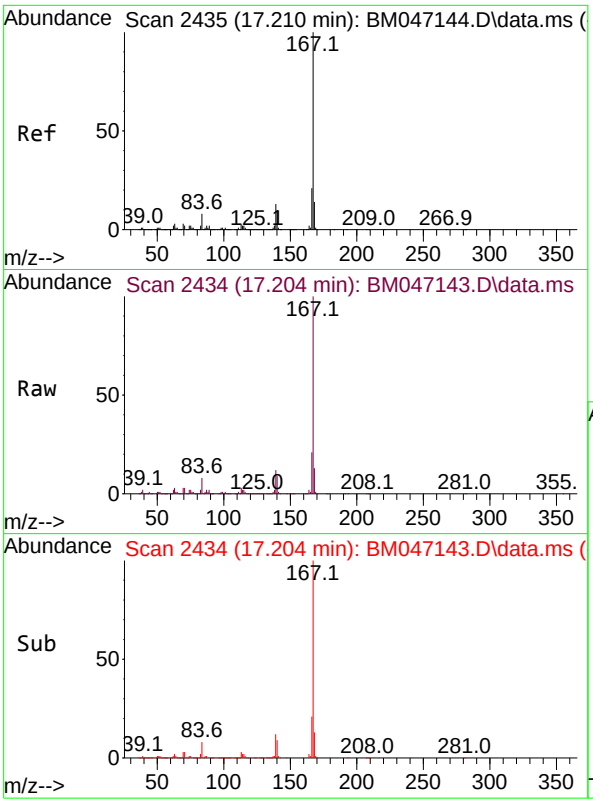


#72
Anthracene
Concen: 21.021 ng
RT: 16.927 min Scan# 2387
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:178 Resp: 1637902

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.1	12.4	18.6



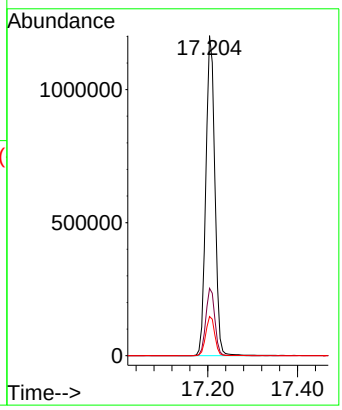


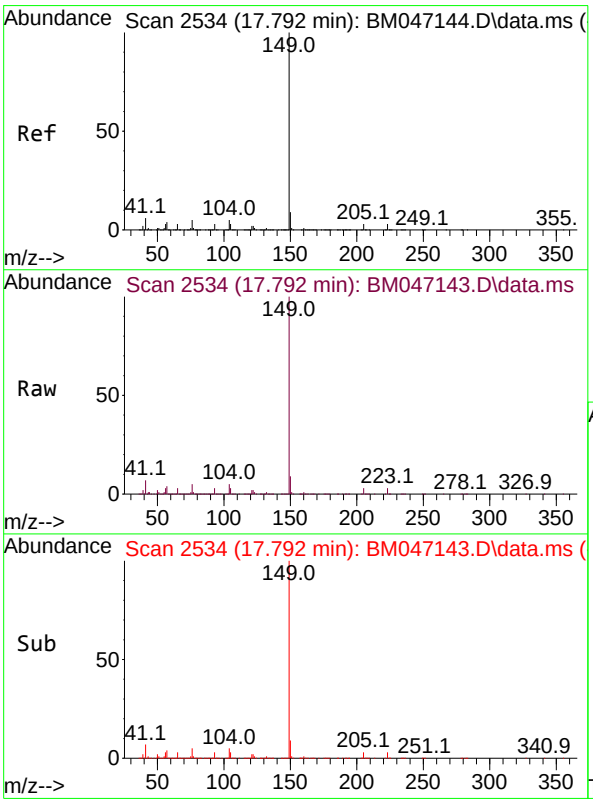
#73
Carbazole
Concen: 21.094 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1678200

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.1	25.7
139	12.2	10.0	15.0

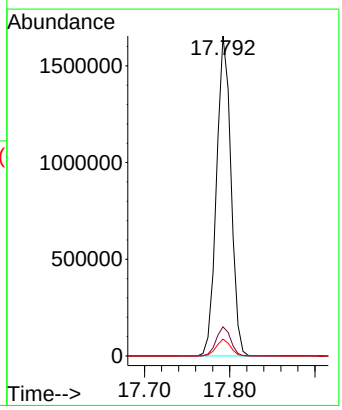


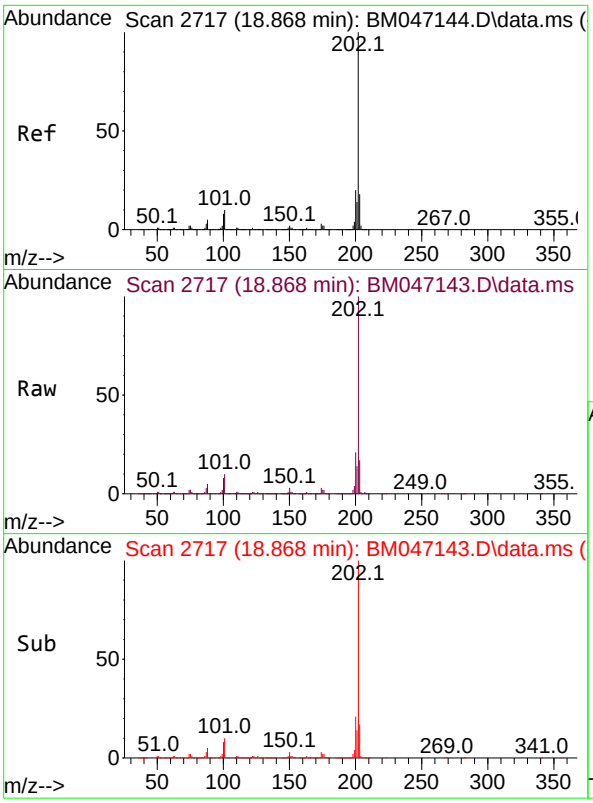


#74
Di-n-butylphthalate
Concen: 21.077 ng
RT: 17.792 min Scan# 2534
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:149 Resp: 1951166

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	5.3	4.1	6.1



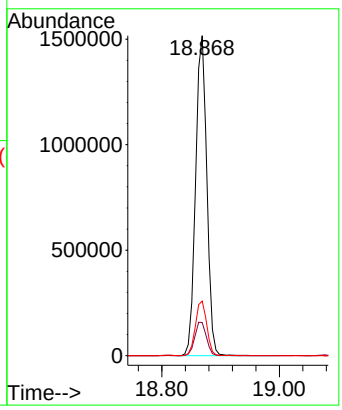


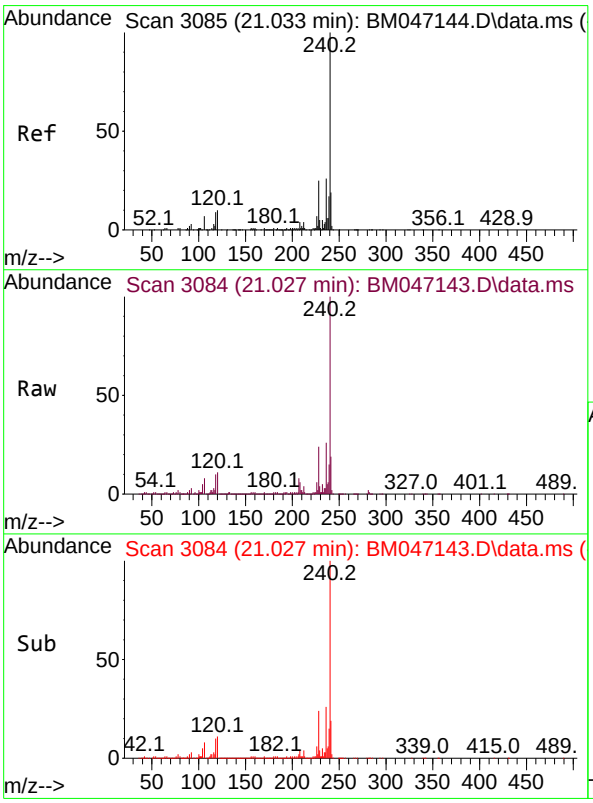
#75
Fluoranthene
Concen: 20.558 ng
RT: 18.868 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 2002438

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.2
203	17.1	0.0	37.6

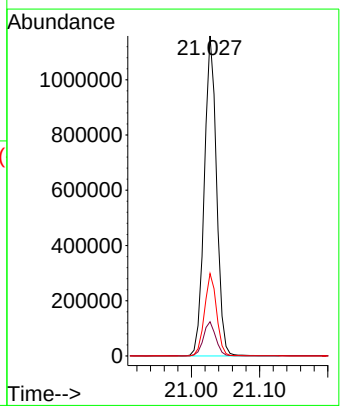


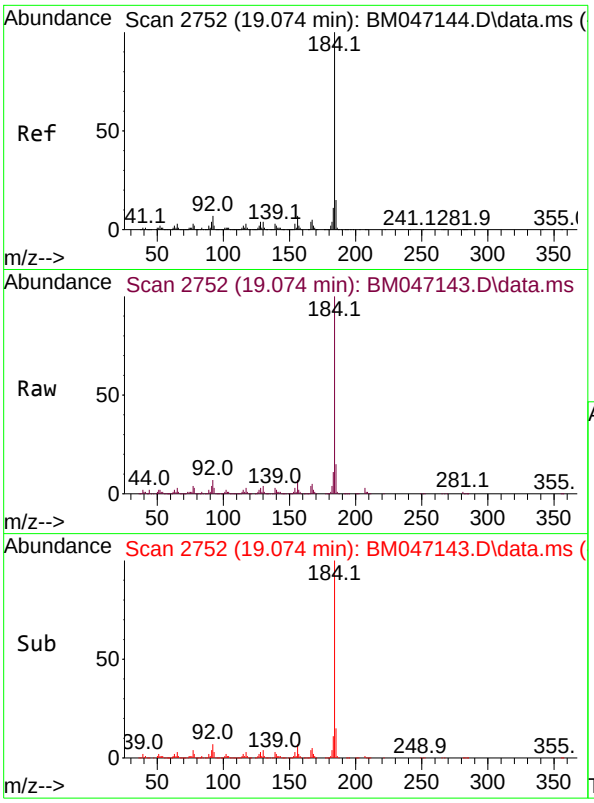


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3084
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:240 Resp: 1449202

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.2	12.2
236	25.8	20.6	30.8



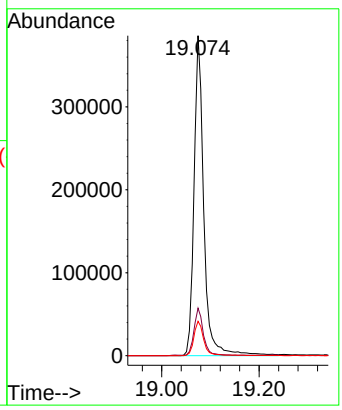


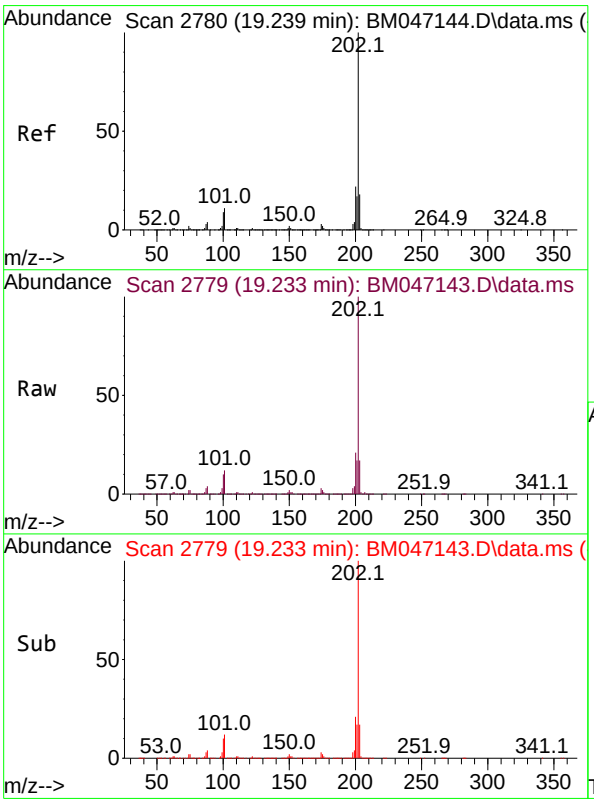
#77
Benzidine
Concen: 22.019 ng
RT: 19.074 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 541138

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.8	17.6
183	10.8	9.0	13.6

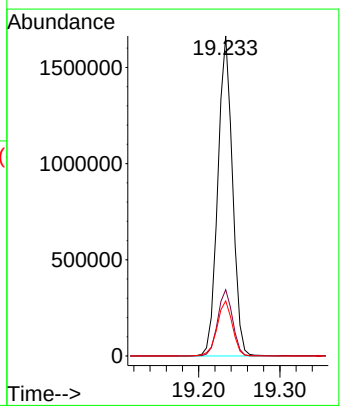


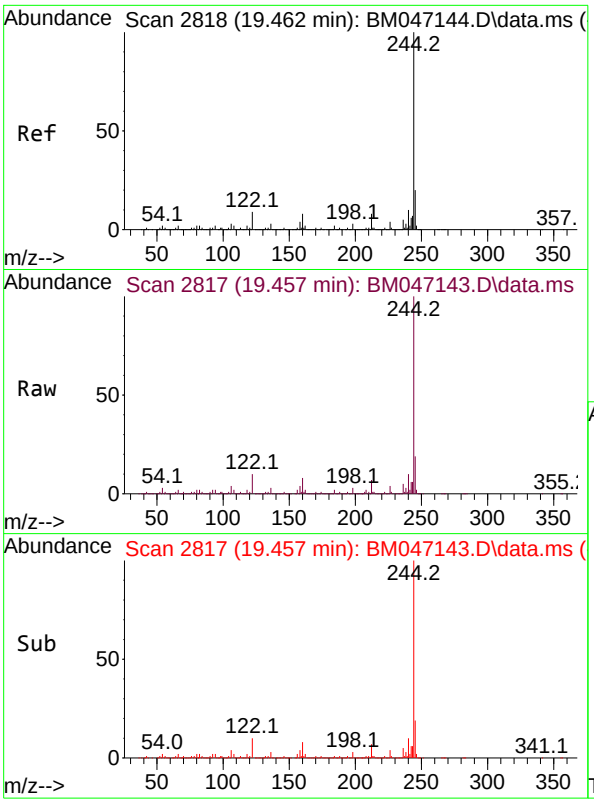


#78
Pyrene
Concen: 20.215 ng
RT: 19.233 min Scan# 2779
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:202 Resp: 2091746

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.2	25.8
203	17.2	14.2	21.2



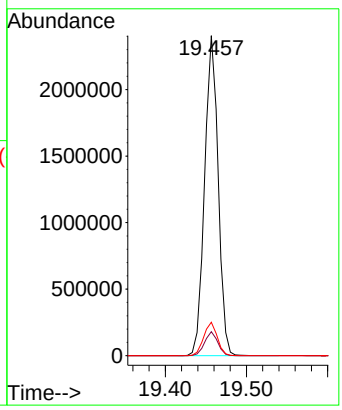


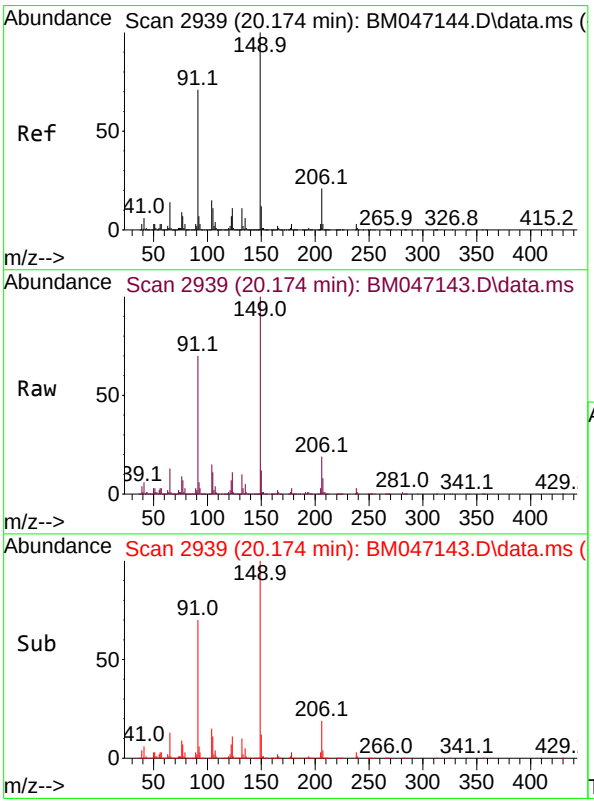
#79
Terphenyl-d14
Concen: 41.052 ng
RT: 19.457 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 2776457

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.4
122	10.5	7.1	10.7

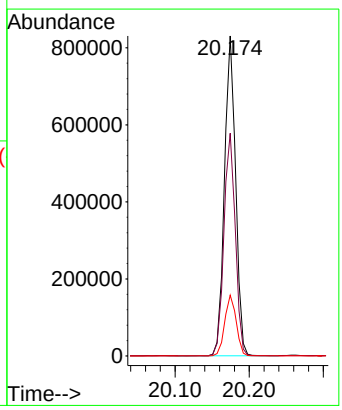


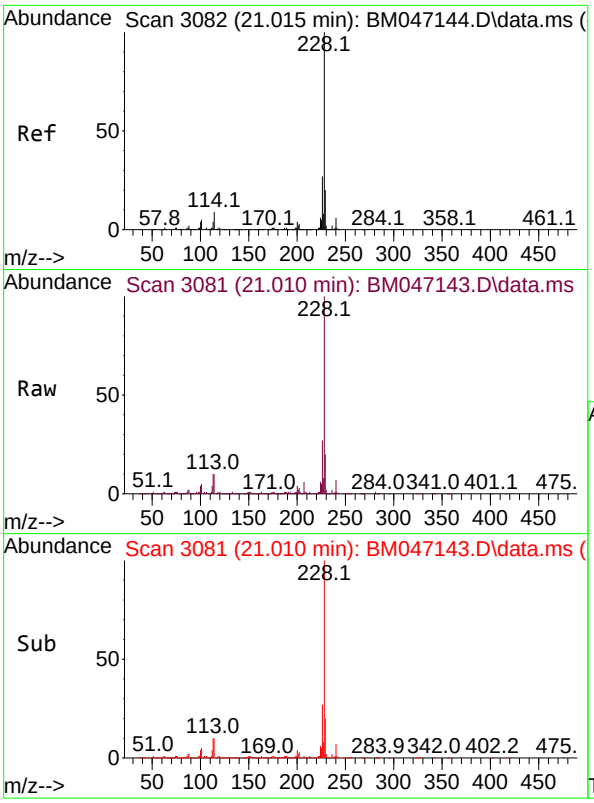


#80
Butylbenzylphthalate
Concen: 20.580 ng
RT: 20.174 min Scan# 2939
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:149 Resp: 869066

Ion	Ratio	Lower	Upper
149	100		
91	69.6	57.0	85.4
206	19.0	16.4	24.6



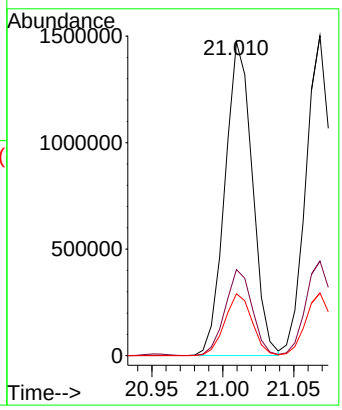


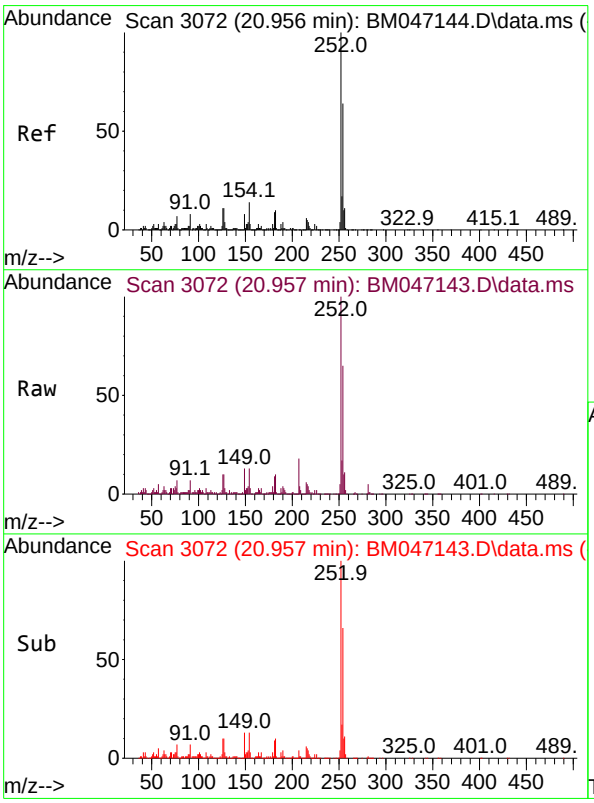
#81
Benzo(a)anthracene
Concen: 20.554 ng
RT: 21.010 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1977415

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.6
229	19.8	15.8	23.8

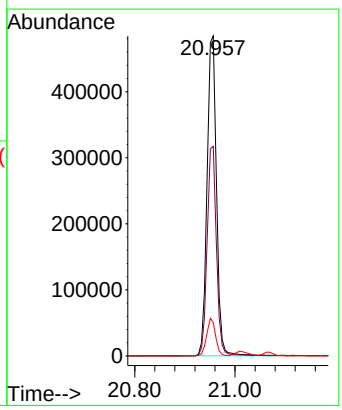


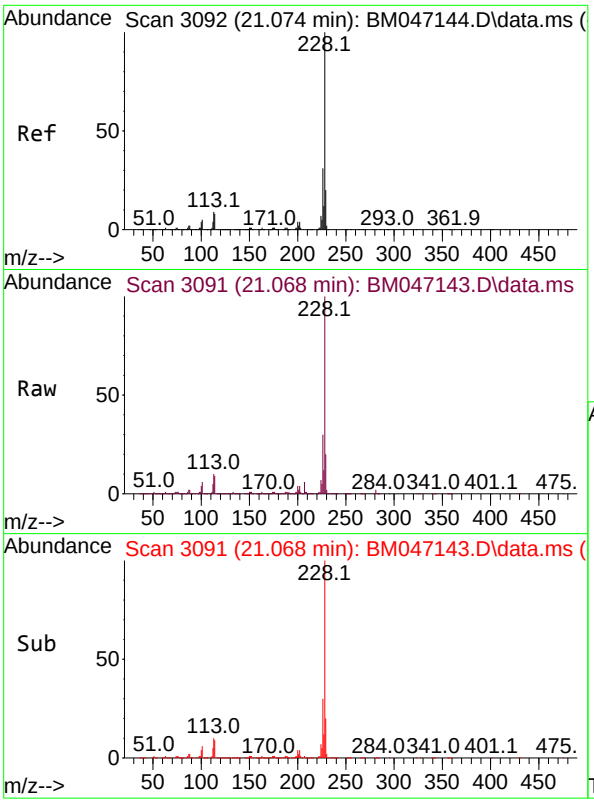


#82
3,3'-Dichlorobenzidine
Concen: 21.130 ng
RT: 20.957 min Scan# 3072
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:252 Resp: 636034

Ion	Ratio	Lower	Upper
252	100		
254	65.5	51.0	76.6
126	10.4	8.5	12.7



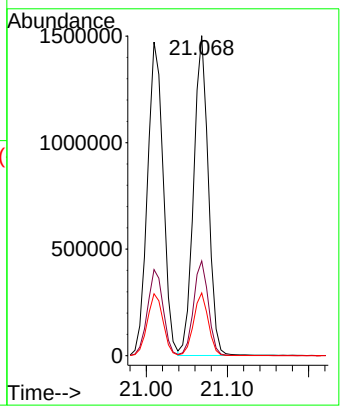


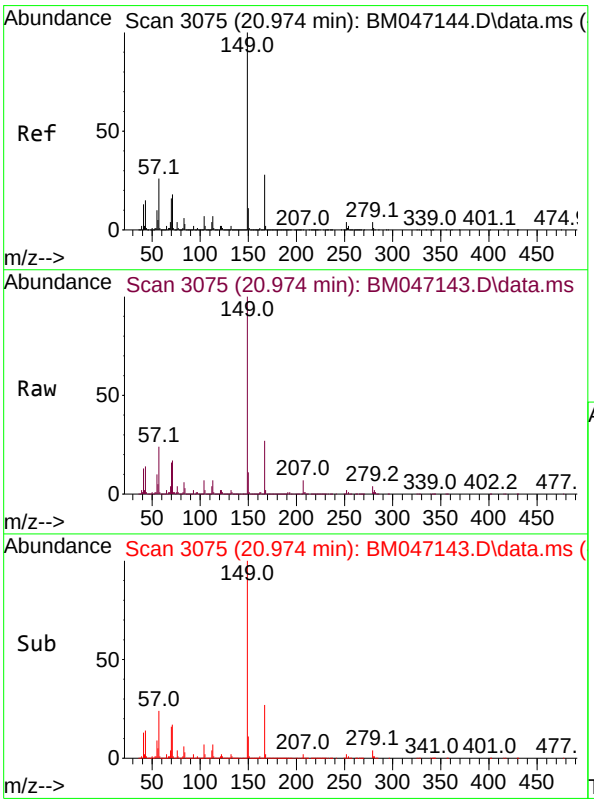
#83
Chrysene
Concen: 20.657 ng
RT: 21.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1885561

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.4	36.6
229	19.6	15.7	23.5

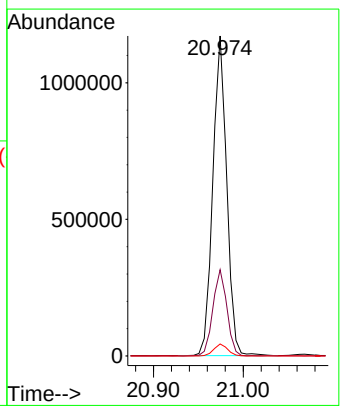


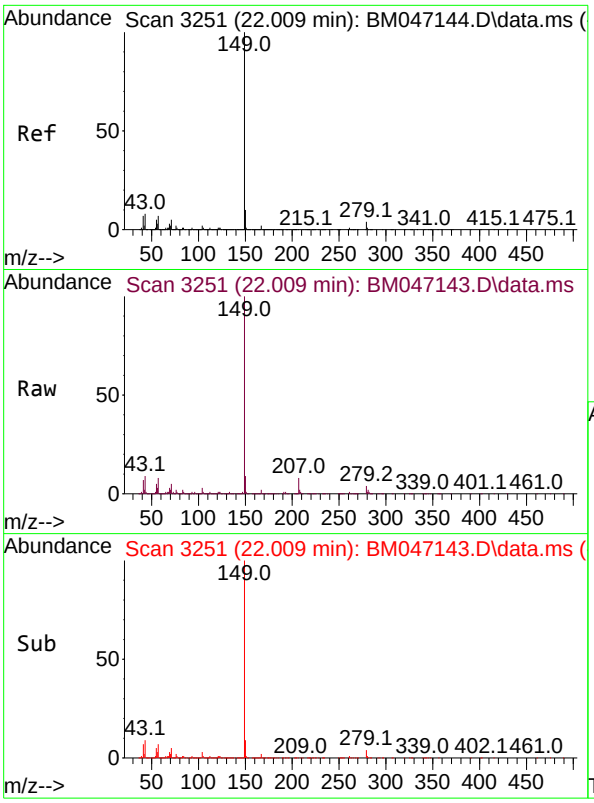


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.992 ng
RT: 20.974 min Scan# 3075
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:149 Resp: 1257178

Ion	Ratio	Lower	Upper
149	100		
167	26.9	22.2	33.2
279	3.8	3.0	4.4



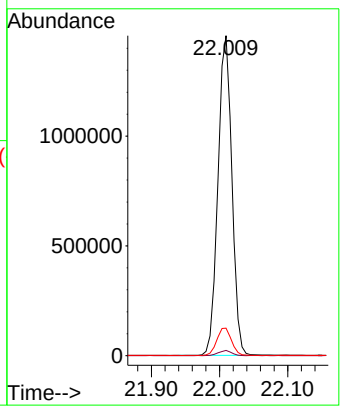


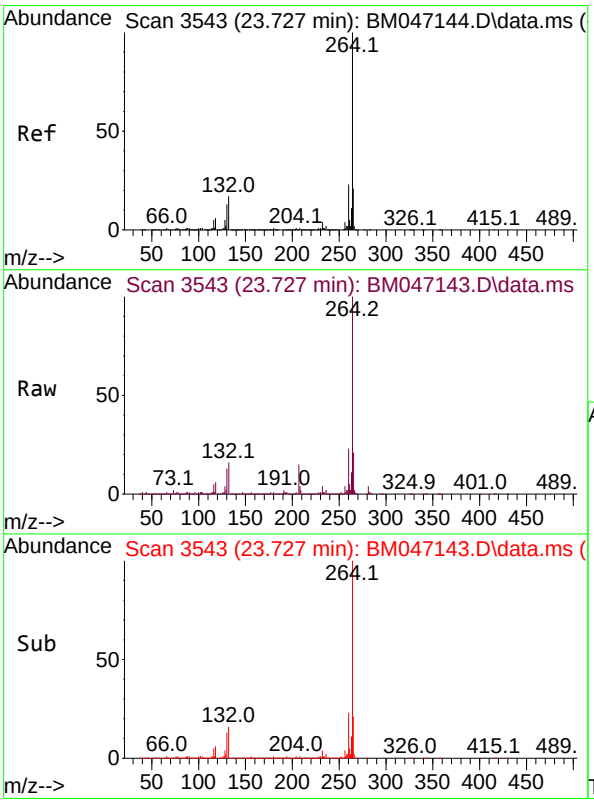
#85
Di-n-octyl phthalate
Concen: 20.358 ng
RT: 22.009 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 2072238

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.1	6.9	10.3

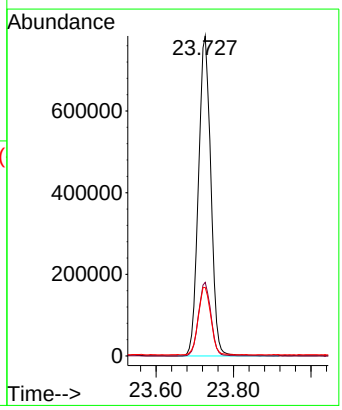


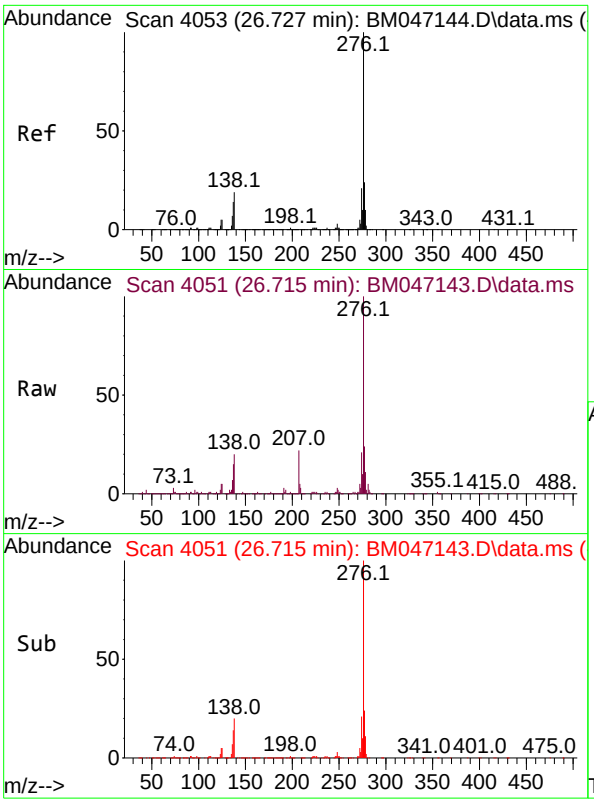


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3543
Delta R.T. 0.000 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:264 Resp: 1737656

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	21.4	17.3	25.9



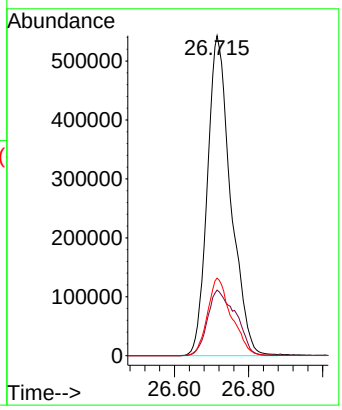


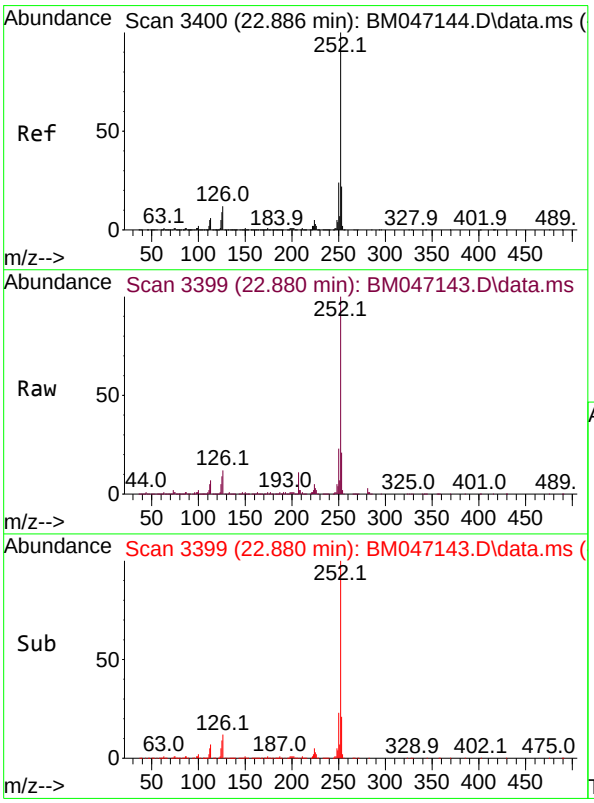
#87
Indeno(1,2,3-cd)pyrene
Concen: 21.135 ng
RT: 26.715 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 2373808

Ion	Ratio	Lower	Upper
276	100		
138	24.9	19.4	29.0
277	25.0	20.1	30.1

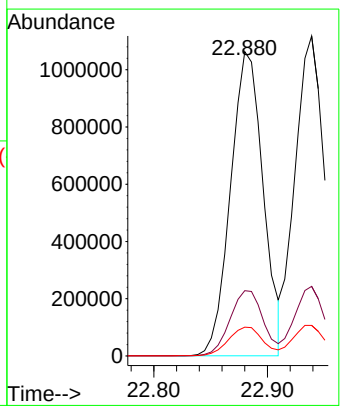


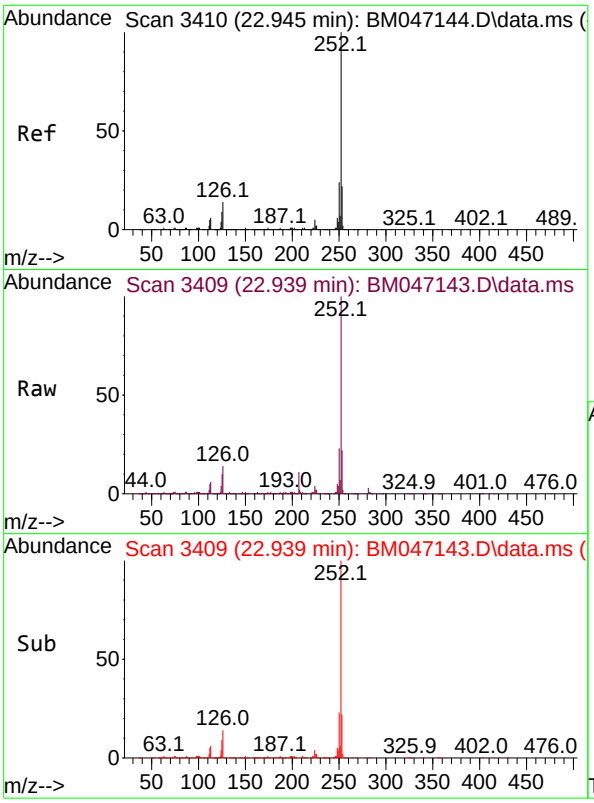


#88
Benzo(b)fluoranthene
Concen: 20.581 ng
RT: 22.880 min Scan# 3399
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:252 Resp: 2123837

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.6
125	9.5	7.4	11.0



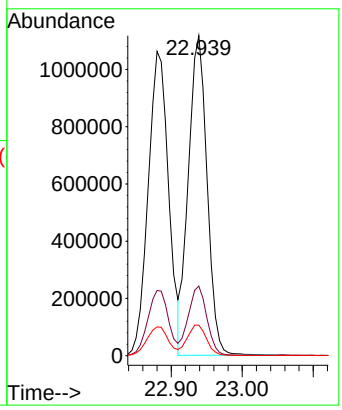


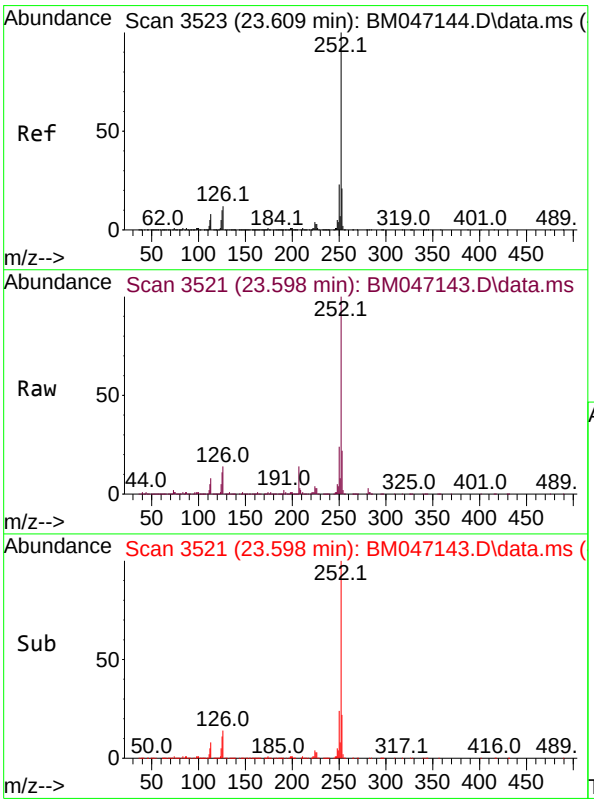
#89
Benzo(k)fluoranthene
Concen: 20.948 ng
RT: 22.939 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 2041826

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	9.6	7.4	11.2

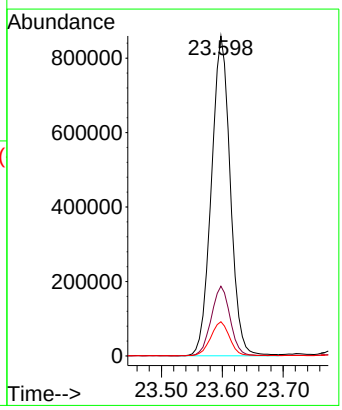


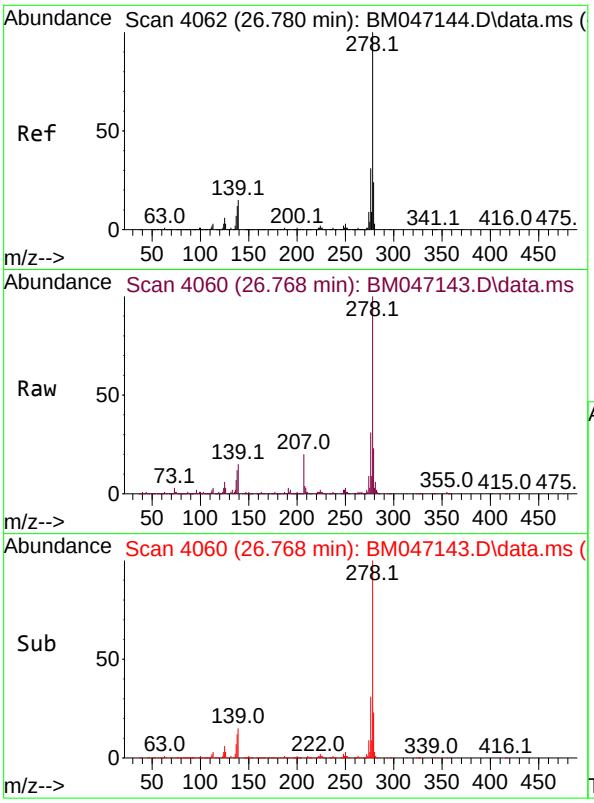


#90
Benzo(a)pyrene
Concen: 20.712 ng
RT: 23.598 min Scan# 3521
Delta R.T. -0.012 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:252 Resp: 1851508

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	10.7	8.2	12.2



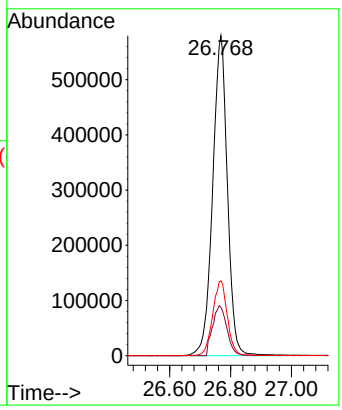


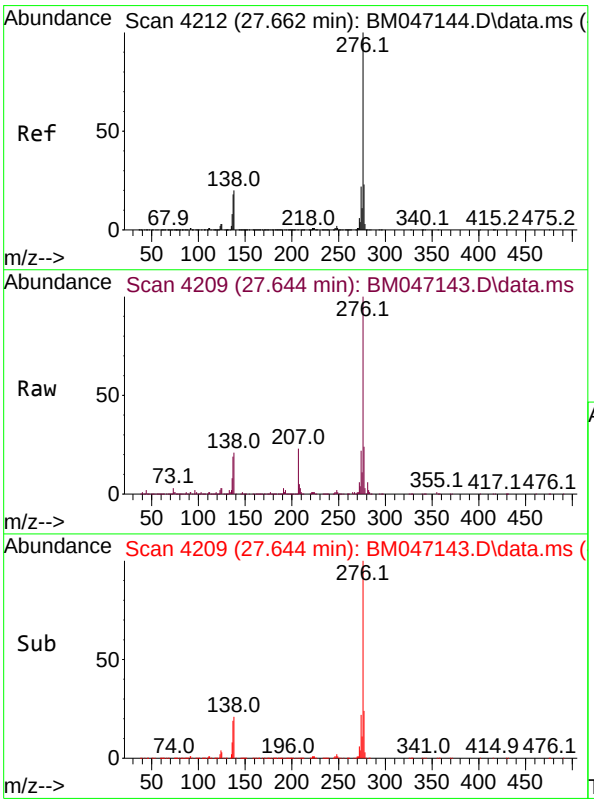
#91
Dibenzo(a,h)anthracene
Concen: 21.393 ng
RT: 26.768 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1944551

Ion	Ratio	Lower	Upper
278	100		
139	15.2	12.0	18.0
279	23.4	19.2	28.8

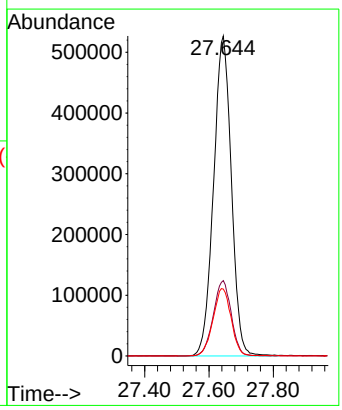




#92
Benzo(g,h,i)perylene
Concen: 21.405 ng
RT: 27.644 min Scan# 4209
Delta R.T. -0.018 min
Lab File: BM047143.D
Acq: 10 Aug 2024 15:11

Tgt Ion:276 Resp: 2020018

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.8	28.2
138	20.9	16.2	24.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047144.D
Acq On : 10 Aug 2024 15:51
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Aug 11 23:33:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.375	152	343346	20.000	ng	0.00
21) Naphthalene-d8	10.134	136	1387685	20.000	ng	0.00
39) Acenaphthene-d10	14.033	164	915049	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1901562	20.000	ng	0.00
76) Chrysene-d12	21.033	240	1674112	20.000	ng	0.00
86) Perylene-d12	23.727	264	2019244	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1471191	76.564	ng	0.00
7) Phenol-d6	6.587	99	2029645	76.657	ng	0.00
23) Nitrobenzene-d5	8.522	82	2162113	78.454	ng	0.00
42) 2,4,6-Tribromophenol	15.539	330	847891	79.913	ng	0.00
45) 2-Fluorobiphenyl	12.645	172	4628326	78.021	ng	0.00
79) Terphenyl-d14	19.462	244	6271744	80.275	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.034	88	301045	37.812	ng	100
3) Pyridine	3.411	79	894414m	38.338	ng	
4) n-Nitrosodimethylamine	3.328	42	391342	38.367	ng	100
6) Aniline	6.728	93	980743	39.189	ng	100
8) 2-Chlorophenol	6.952	128	813486	38.816	ng	100
9) Benzaldehyde	6.540	77	532876	37.348	ng	100
10) Phenol	6.610	94	997737	37.765	ng	100
11) bis(2-Chloroethyl)ether	6.828	93	881082	38.943	ng	100
12) 1,3-Dichlorobenzene	7.263	146	966606	38.813	ng	100
13) 1,4-Dichlorobenzene	7.410	146	981161	38.912	ng	100
14) 1,2-Dichlorobenzene	7.716	146	902511	37.935	ng	100
15) Benzyl Alcohol	7.628	79	754177	40.023	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.916	45	1139263	39.195	ng	100
17) 2-Methylphenol	7.834	107	688729	39.076	ng	100
18) Hexachloroethane	8.428	117	378211	38.722	ng	100
19) n-Nitroso-di-n-propyla...	8.187	70	674051	37.795	ng	100
20) 3+4-Methylphenols	8.163	107	969100	39.329	ng	100
22) Acetophenone	8.198	105	1283137	38.307	ng	100
24) Nitrobenzene	8.563	77	1091975	39.350	ng	100
25) Isophorone	9.093	82	1909053	39.785	ng	100
26) 2-Nitrophenol	9.263	139	504016	41.011	ng	100
27) 2,4-Dimethylphenol	9.345	122	579838	40.278	ng	100
28) bis(2-Chloroethoxy)met...	9.575	93	1208106	40.013	ng	100
29) 2,4-Dichlorophenol	9.798	162	865465	40.518	ng	100
30) 1,2,4-Trichlorobenzene	9.998	180	960853	39.749	ng	100
31) Naphthalene	10.181	128	2680978	38.782	ng	100
32) Benzoic acid	9.534	122	695240	41.337	ng	100
33) 4-Chloroaniline	10.310	127	1069700	40.238	ng	100
34) Hexachlorobutadiene	10.469	225	562225	39.737	ng	100
35) Caprolactam	11.122	113	303209	40.875	ng	100
36) 4-Chloro-3-methylphenol	11.451	107	909901	39.998	ng	100
37) 2-Methylnaphthalene	11.804	142	1912342	38.853	ng	100
38) 1-Methylnaphthalene	12.034	142	1890364	38.861	ng	100
40) 1,2,4,5-Tetrachloroben...	12.186	216	994174	39.833	ng	100
41) Hexachlorocyclopentadiene	12.163	237	366656	42.071	ng	100
43) 2,4,6-Trichlorophenol	12.445	196	730450	41.176	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047144.D
Acq On : 10 Aug 2024 15:51
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Aug 11 23:33:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.522	196	800233	40.628	ng	100
46) 1,1'-Biphenyl	12.857	154	2539356	38.981	ng	100
47) 2-Chloronaphthalene	12.886	162	1959972	38.494	ng	100
48) 2-Nitroaniline	13.116	65	652655	40.916	ng	100
49) Acenaphthylene	13.751	152	2931534	39.060	ng	100
50) Dimethylphthalate	13.516	163	2522996	39.479	ng	100
51) 2,6-Dinitrotoluene	13.628	165	601084	40.235	ng	100
52) Acenaphthene	14.098	154	1844024	38.733	ng	100
53) 3-Nitroaniline	13.963	138	606076	40.486	ng	100
54) 2,4-Dinitrophenol	14.175	184	373189	41.679	ng	100
55) Dibenzofuran	14.439	168	2890230	38.434	ng	100
56) 4-Nitrophenol	14.298	139	537017	41.602	ng	100
57) 2,4-Dinitrotoluene	14.428	165	806412	40.441	ng	100
58) Fluorene	15.092	166	2395462	38.607	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.675	232	650207	40.167	ng	100
60) Diethylphthalate	14.898	149	2558000	39.196	ng	100
61) 4-Chlorophenyl-phenyle...	15.098	204	1137143	38.496	ng	100
62) 4-Nitroaniline	15.139	138	584150	39.609	ng	100
63) Azobenzene	15.392	77	2403859	38.848	ng	100
65) 4,6-Dinitro-2-methylph...	15.198	198	476893	42.835	ng	100
66) n-Nitrosodiphenylamine	15.322	169	2039493	39.377	ng	100
67) 4-Bromophenyl-phenylether	15.998	248	725772	39.608	ng	100
68) Hexachlorobenzene	16.098	284	870505	39.667	ng	100
69) Atrazine	16.292	200	648319	41.597	ng	100
70) Pentachlorophenol	16.451	266	638108	41.480	ng	100
71) Phenanthrene	16.839	178	3712379	38.901	ng	100
72) Anthracene	16.927	178	3623679	39.024	ng	100
73) Carbazole	17.210	167	3693008	38.952	ng	100
74) Di-n-butylphthalate	17.792	149	4430949	40.165	ng	100
75) Fluoranthene	18.868	202	4559377	39.279	ng	100
77) Benzidine	19.074	184	1636101	57.629	ng	100
78) Pyrene	19.239	202	4770524	39.909	ng	100
80) Butylbenzylphthalate	20.174	149	2035184	41.719	ng	100
81) Benzo(a)anthracene	21.015	228	4353304	39.170	ng	100
82) 3,3'-Dichlorobenzidine	20.956	252	1483651	42.667	ng	100
83) Chrysene	21.074	228	4097336	38.858	ng	100
84) Bis(2-ethylhexyl)phtha...	20.974	149	2828936	40.891	ng	100
85) Di-n-octyl phthalate	22.009	149	4878689	41.489	ng	100
87) Indeno(1,2,3-cd)pyrene	26.727	276	5166805	39.586	ng	100
88) Benzo(b)fluoranthene	22.886	252	4689366	39.106	ng	100
89) Benzo(k)fluoranthene	22.945	252	4431625	39.126	ng	100
90) Benzo(a)pyrene	23.609	252	4136829	39.824	ng	100
91) Dibenzo(a,h)anthracene	26.780	278	4125251	39.055	ng	100
92) Benzo(g,h,i)perylene	27.662	276	4346786	39.636	ng	100

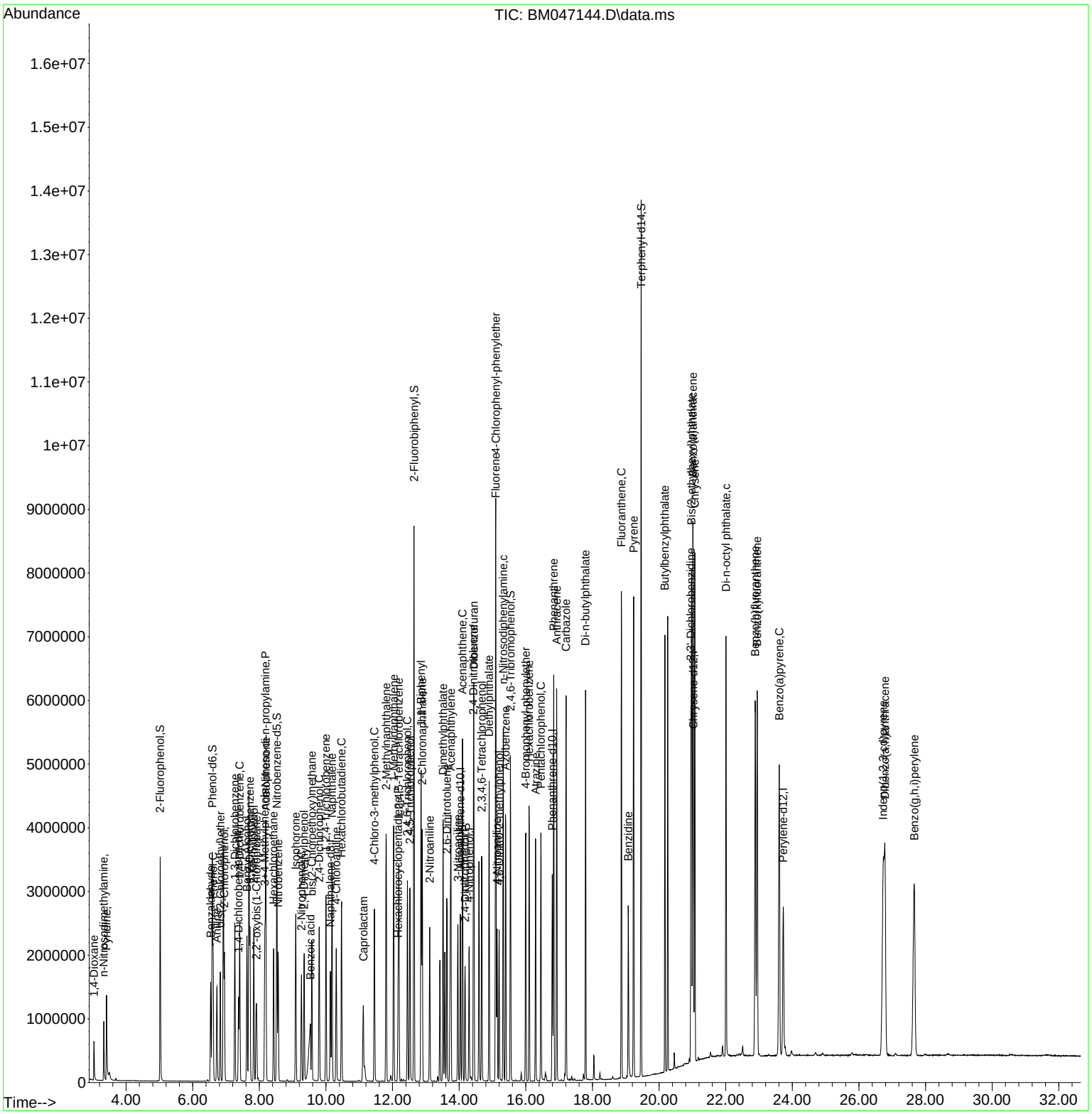
(#) = qualifier out of range (m) = manual integration (+) = signals summed

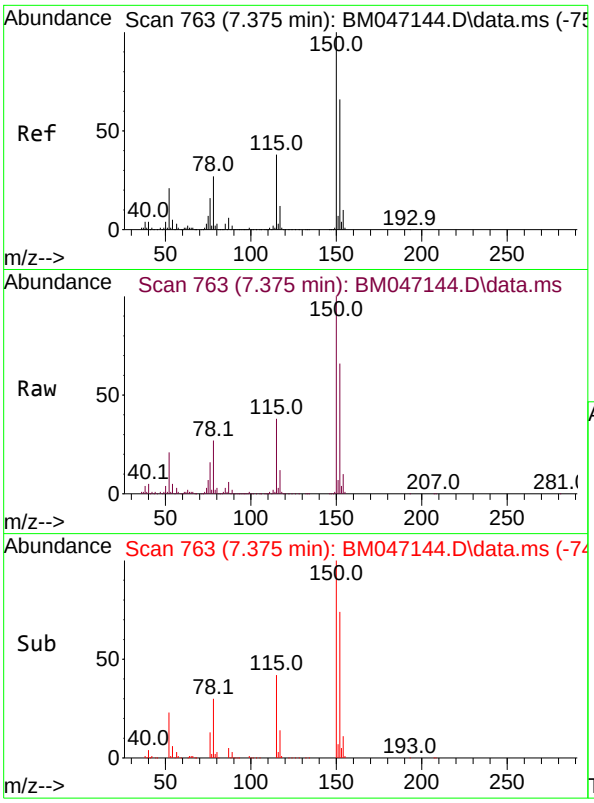
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047144.D
Acq On : 10 Aug 2024 15:51
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Aug 11 23:33:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration



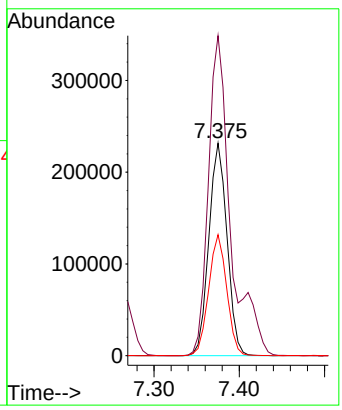


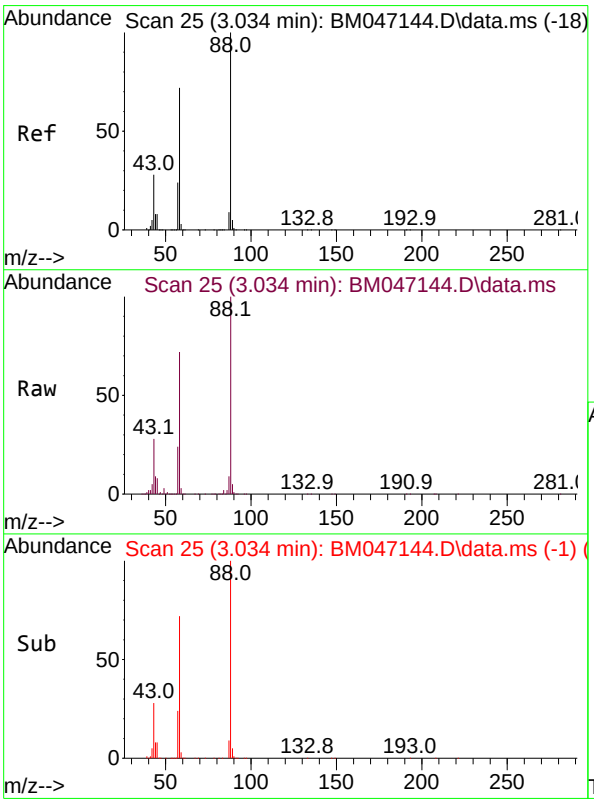
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 343346

Ion	Ratio	Lower	Upper
152	100		
150	150.6	120.5	180.7
115	56.9	45.5	68.3

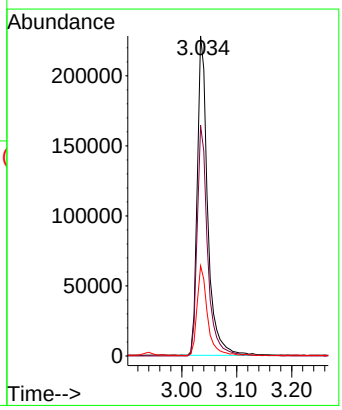


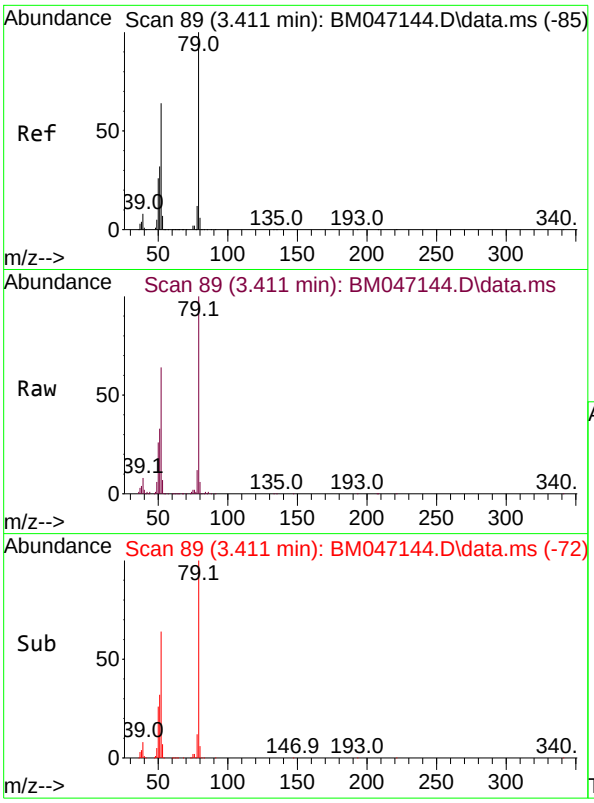


#2
1,4-Dioxane
Concen: 37.812 ng
RT: 3.034 min Scan# 25
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion: 88 Resp: 301045

Ion	Ratio	Lower	Upper
88	100		
58	72.8	58.2	87.4
43	28.1	22.5	33.7



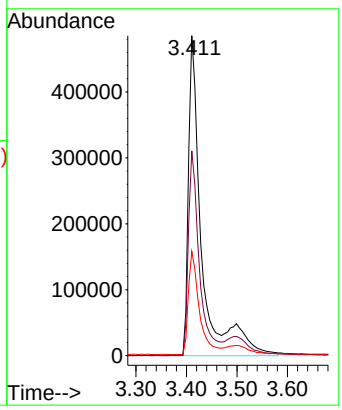


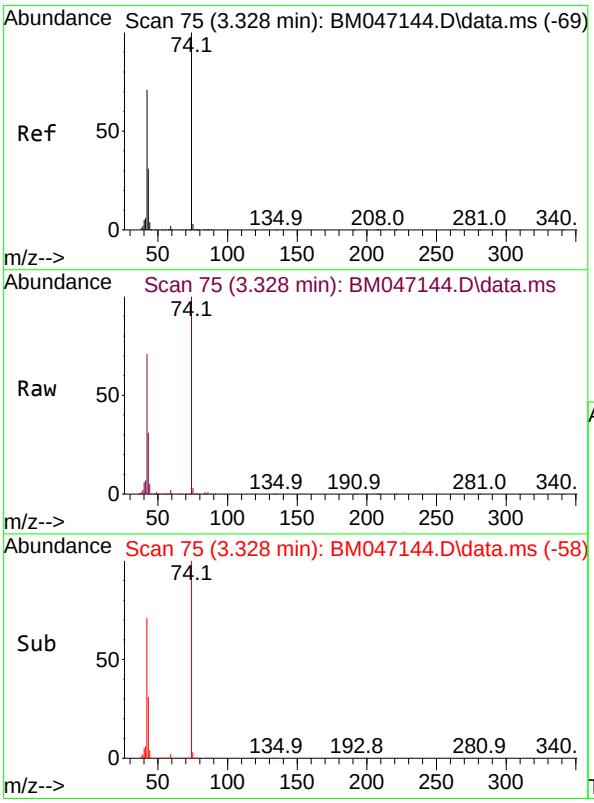
#3
Pyridine
Concen: 38.338 ng m
RT: 3.411 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 894414

Ion	Ratio	Lower	Upper
79	100		
52	64.0	51.2	76.8
51	32.6	26.1	39.1

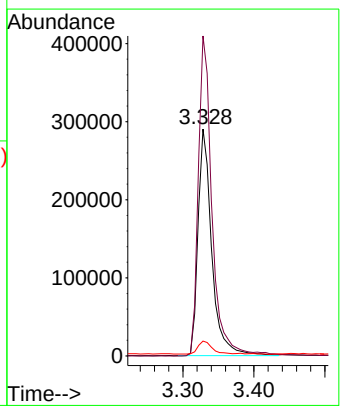


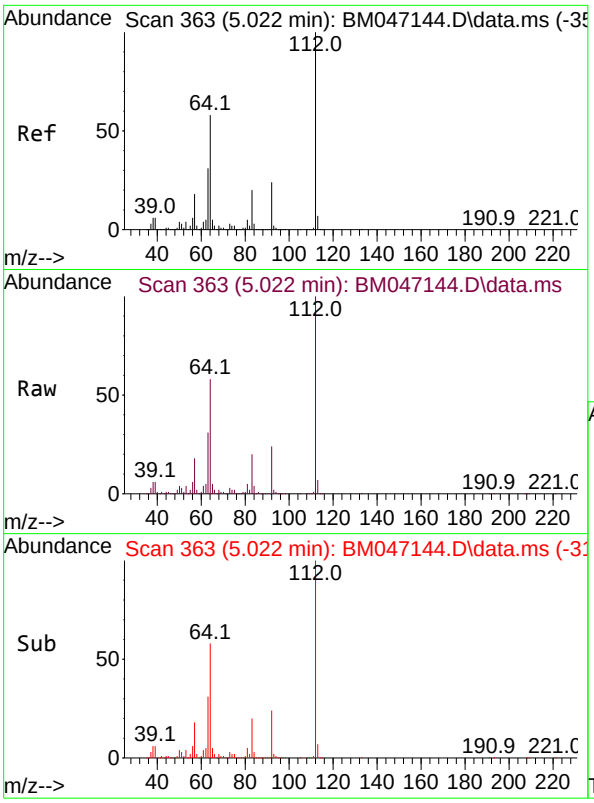


#4
n-Nitrosodimethylamine
Concen: 38.367 ng
RT: 3.328 min Scan# 75
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion: 42 Resp: 391342

Ion	Ratio	Lower	Upper
42	100		
74	141.1	112.9	169.3
44	6.6	5.3	7.9



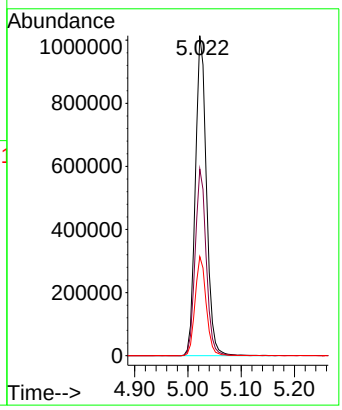


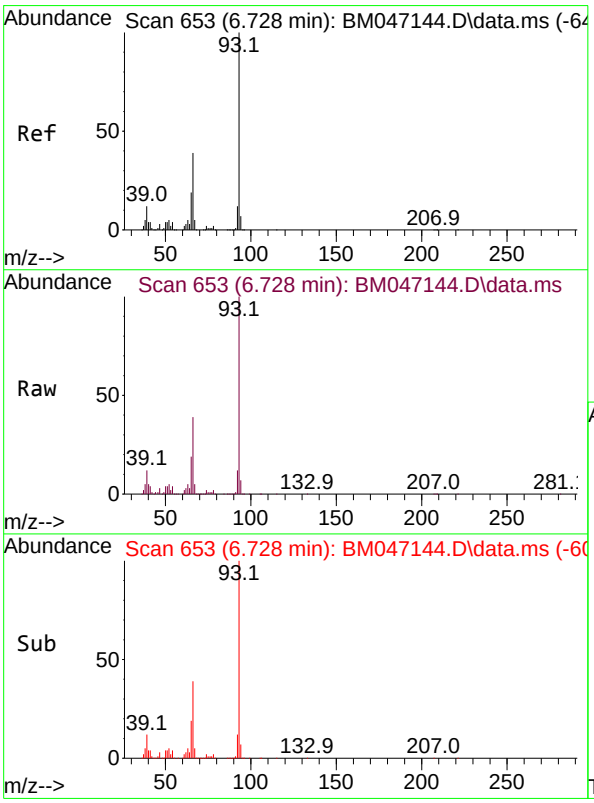
#5
2-Fluorophenol
Concen: 76.564 ng
RT: 5.022 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1471191

Ion	Ratio	Lower	Upper
112	100		
64	58.4	46.7	70.1
63	31.0	24.8	37.2

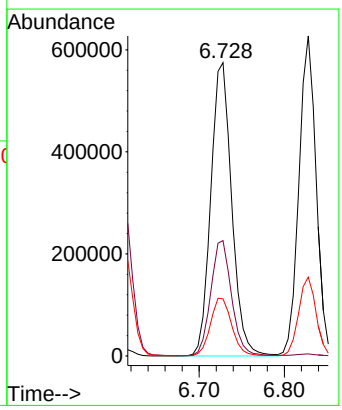


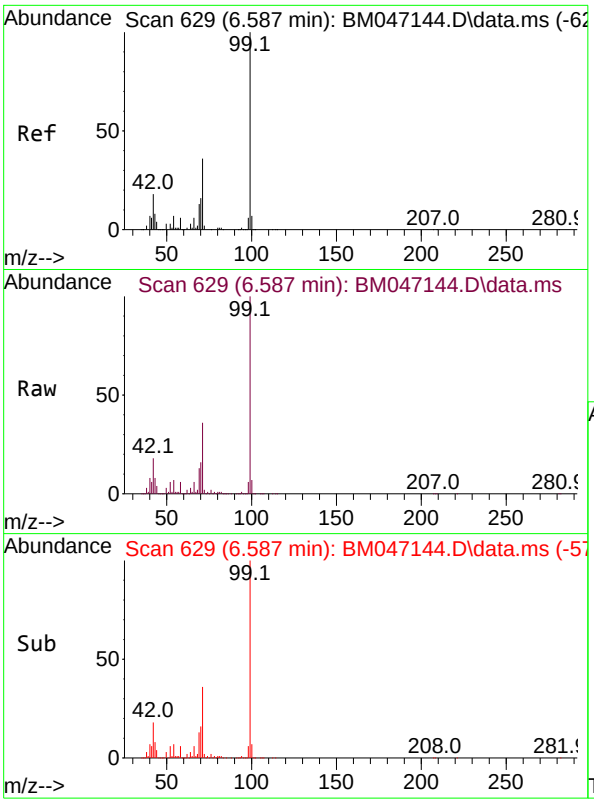


#6
Aniline
Concen: 39.189 ng
RT: 6.728 min Scan# 653
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion: 93 Resp: 980743

Ion	Ratio	Lower	Upper
93	100		
66	39.3	31.4	47.2
65	19.5	15.6	23.4



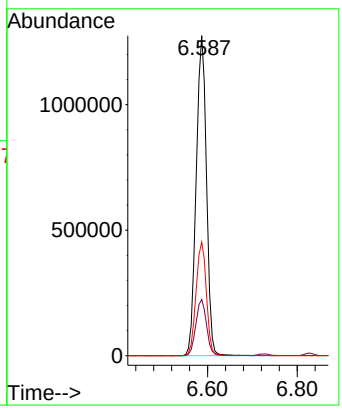


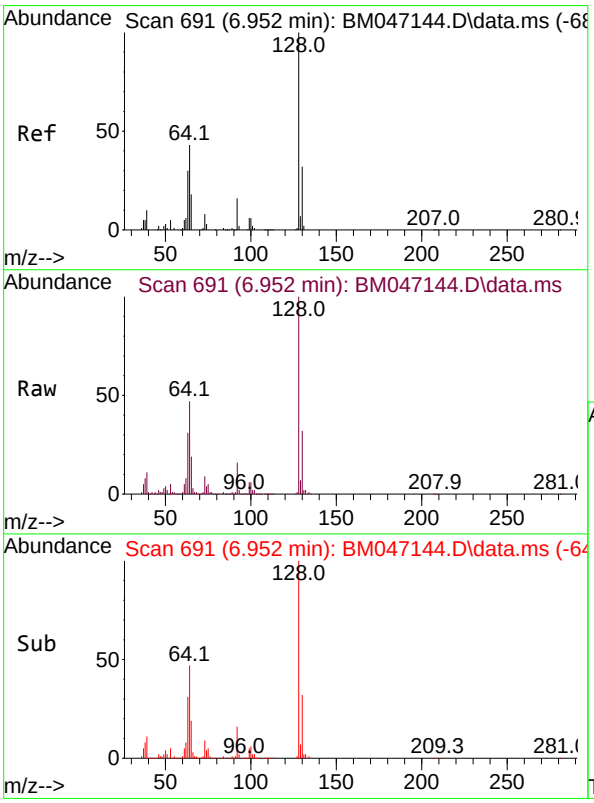
#7
Phenol-d6
Concen: 76.657 ng
RT: 6.587 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 2029645

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.1	21.1
71	35.6	28.5	42.7

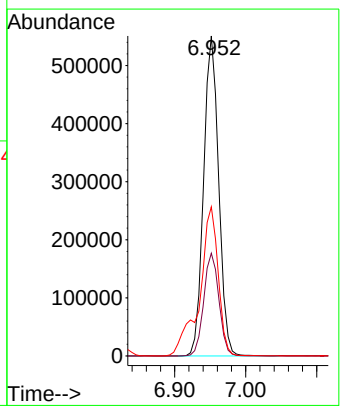


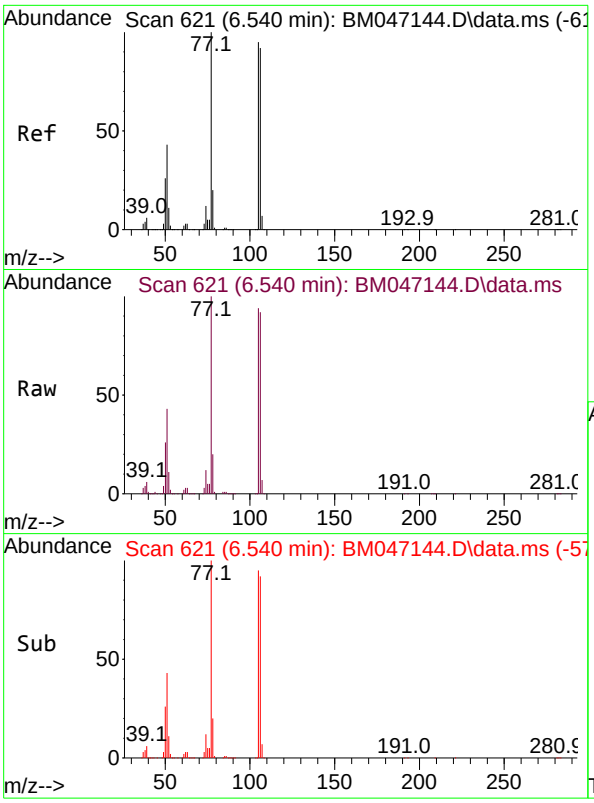


#8
2-Chlorophenol
Concen: 38.816 ng
RT: 6.952 min Scan# 691
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:128 Resp: 813486

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.1	52.1
64	46.6	26.6	66.6



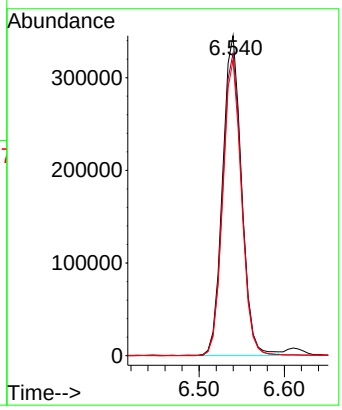


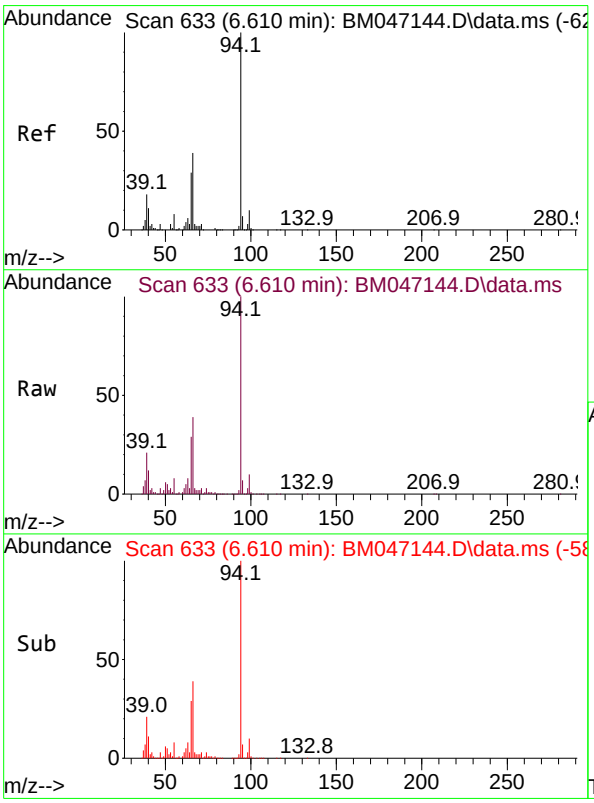
#9
Benzaldehyde
Concen: 37.348 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 532876

Ion	Ratio	Lower	Upper
77	100		
105	94.5	74.5	114.5
106	92.3	72.3	112.3

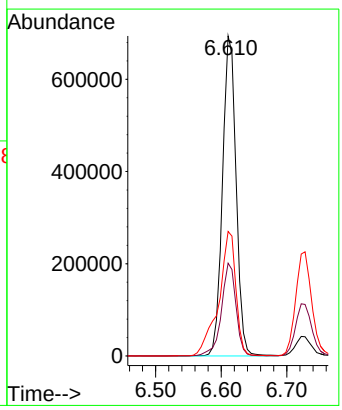


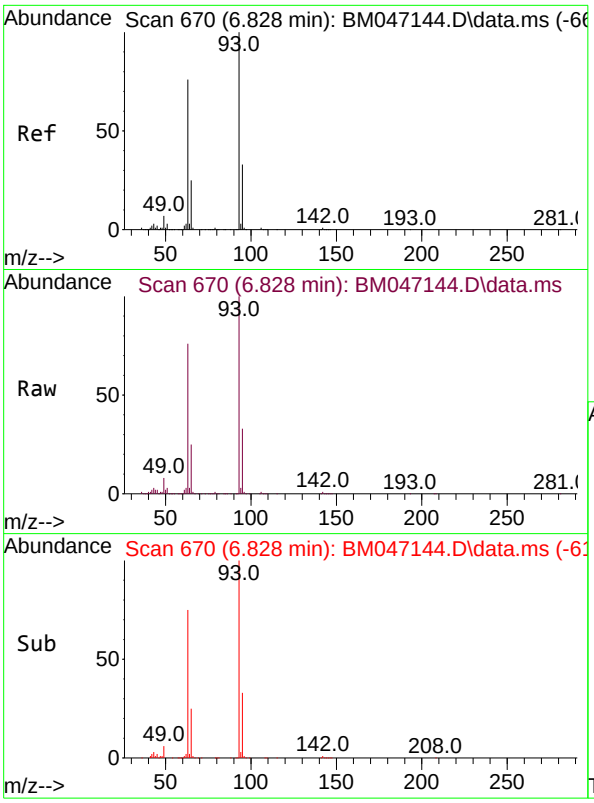


#10
Phenol
Concen: 37.765 ng
RT: 6.610 min Scan# 633
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion: 94 Resp: 997737

Ion	Ratio	Lower	Upper
94	100		
65	29.0	9.0	49.0
66	38.9	18.9	58.9



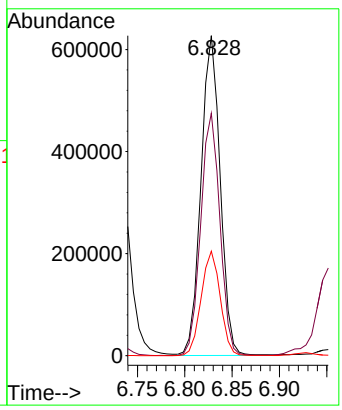


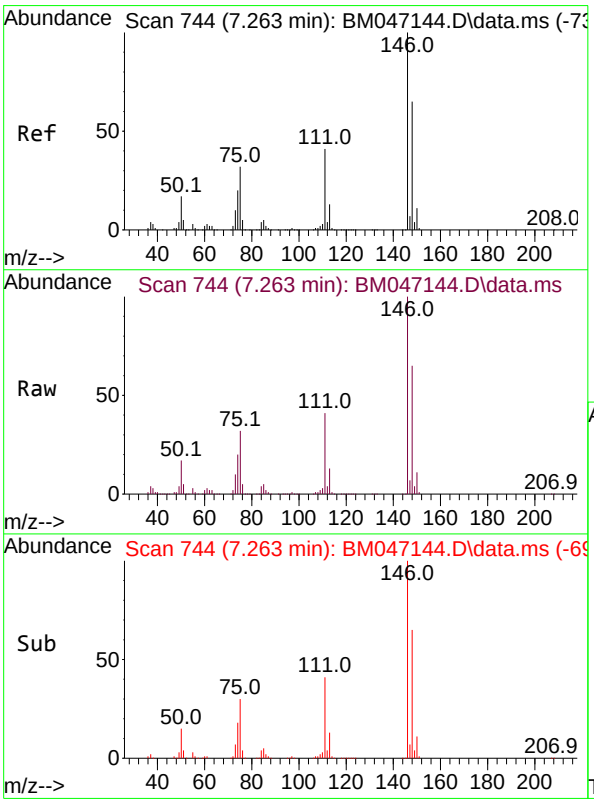
#11
bis(2-Chloroethyl)ether
Concen: 38.943 ng
RT: 6.828 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 881082

Ion	Ratio	Lower	Upper
93	100		
63	75.8	55.8	95.8
95	32.7	12.7	52.7

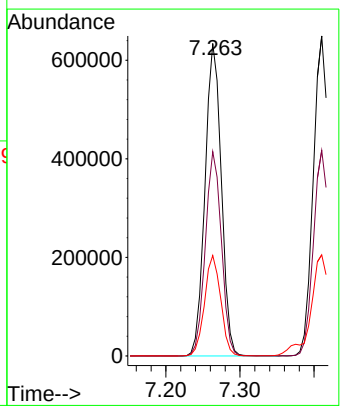


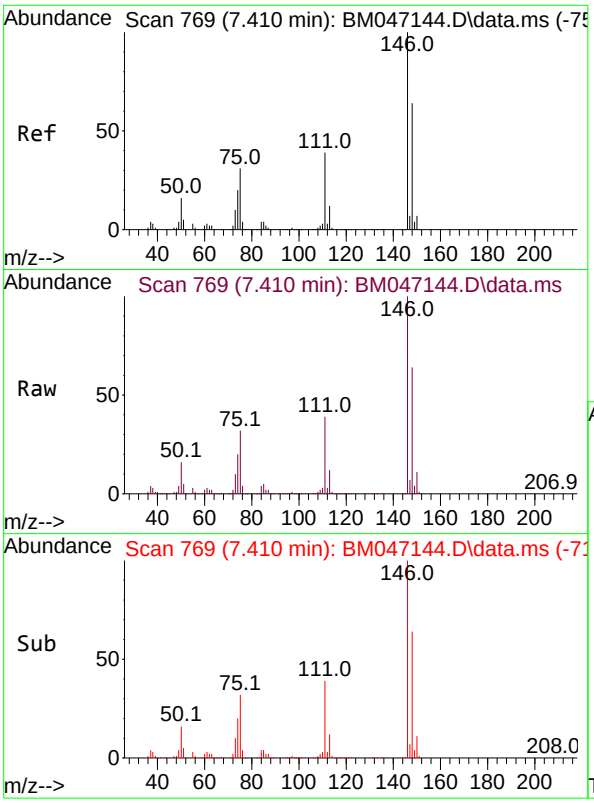


#12
1,3-Dichlorobenzene
Concen: 38.813 ng
RT: 7.263 min Scan# 744
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:146 Resp: 966606

Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.3	78.5
75	32.2	25.8	38.6



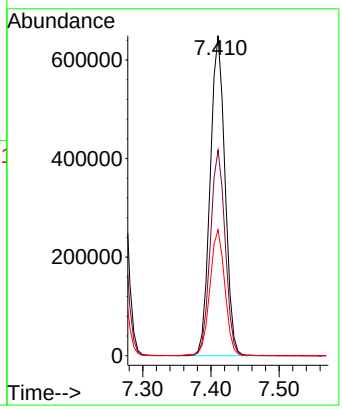


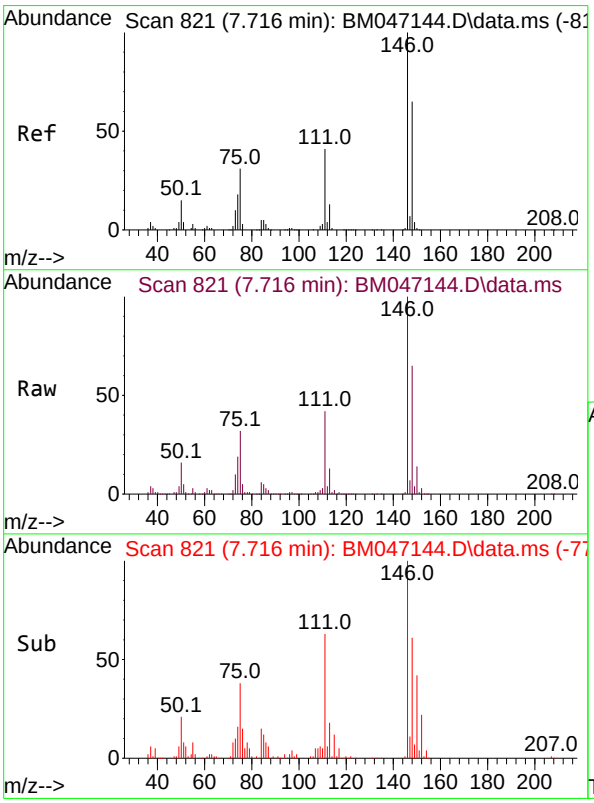
#13
1,4-Dichlorobenzene
Concen: 38.912 ng
RT: 7.410 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 981161

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
111	39.4	31.5	47.3

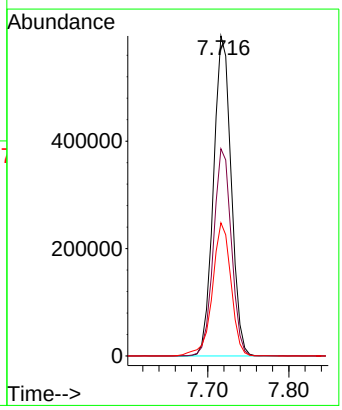


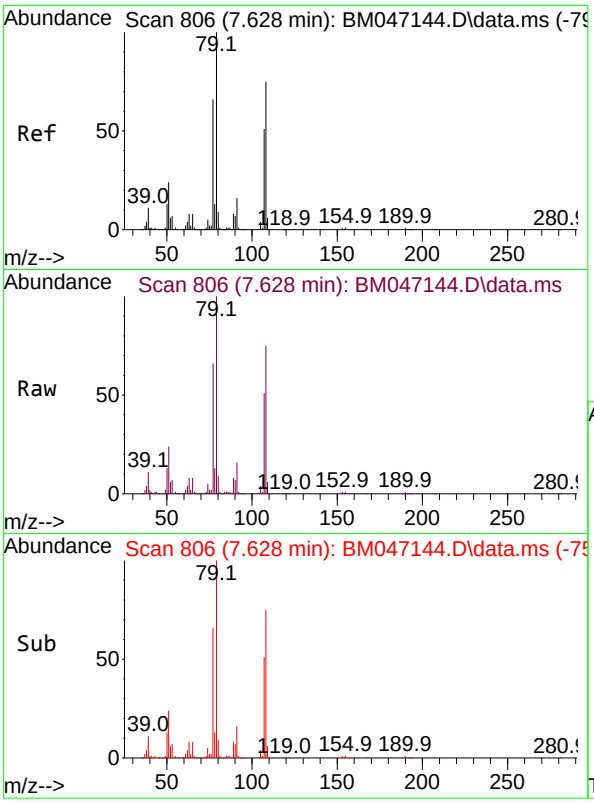


#14
1,2-Dichlorobenzene
Concen: 37.935 ng
RT: 7.716 min Scan# 821
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:146 Resp: 902511

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
111	41.6	33.3	49.9



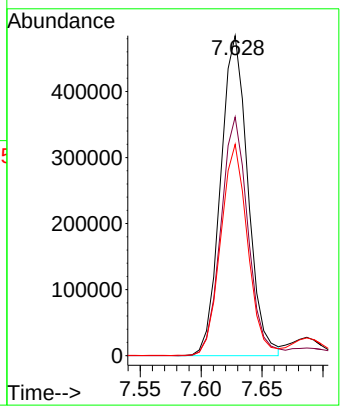


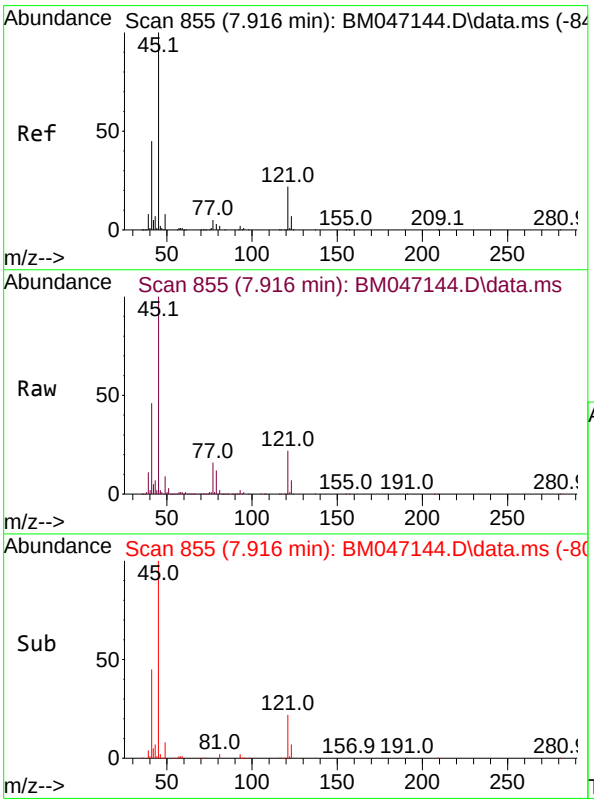
#15
Benzyl Alcohol
Concen: 40.023 ng
RT: 7.628 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 754177

Ion	Ratio	Lower	Upper
79	100		
108	74.6	59.7	89.5
77	66.1	52.9	79.3

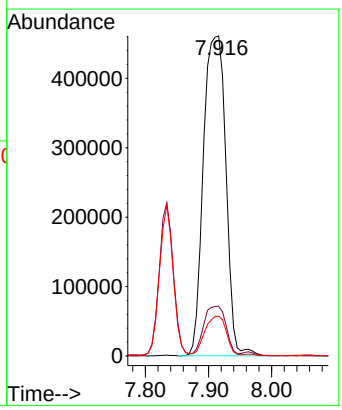


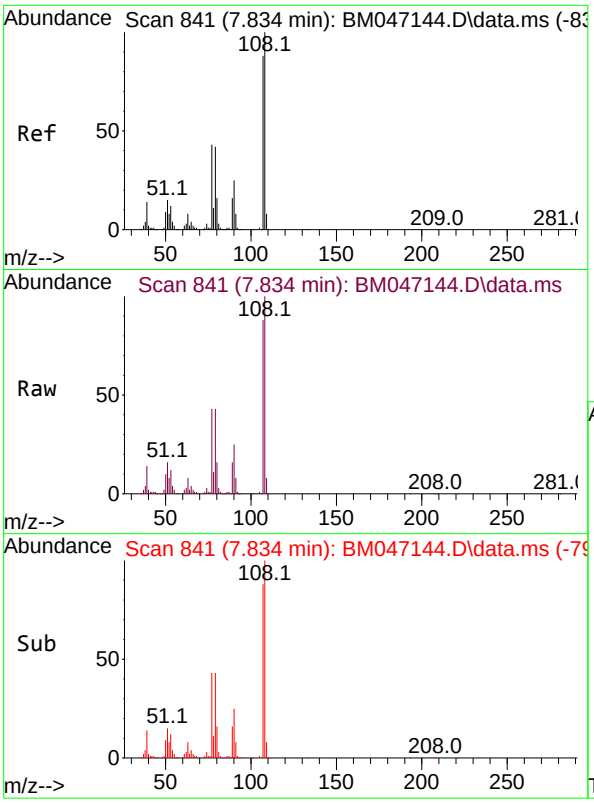


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.195 ng
RT: 7.916 min Scan# 855
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion: 45 Resp: 1139263

Ion	Ratio	Lower	Upper
45	100		
77	15.6	0.0	35.6
79	12.4	0.0	32.4



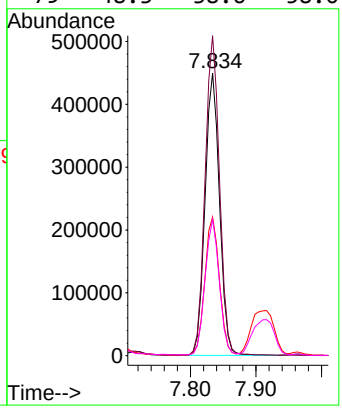


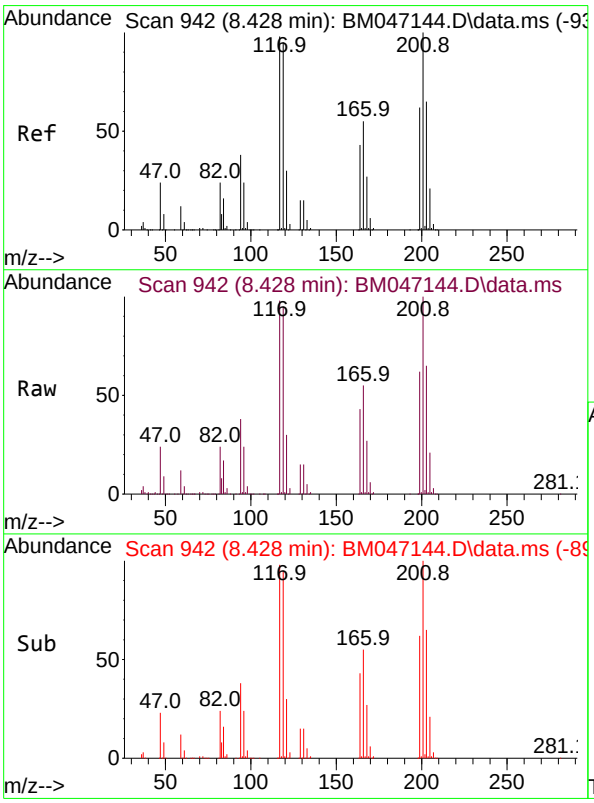
#17
2-Methylphenol
Concen: 39.076 ng
RT: 7.834 min Scan# 84
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 688729

Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.6	135.8
77	49.1	39.3	58.9
79	48.3	38.6	58.0

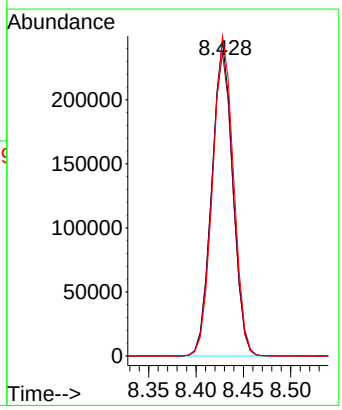


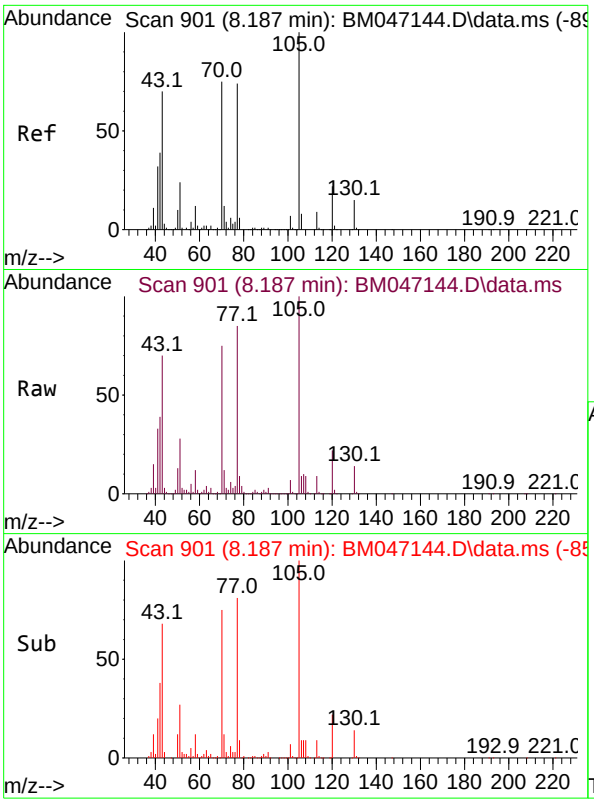


#18
Hexachloroethane
Concen: 38.722 ng
RT: 8.428 min Scan# 942
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:117 Resp: 378211

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.4
201	101.6	81.3	121.9



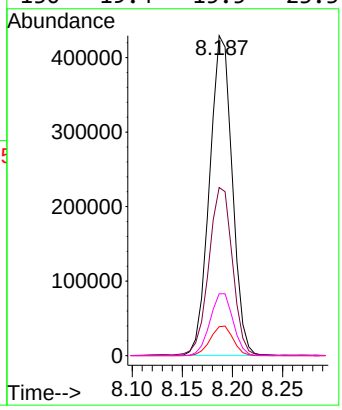


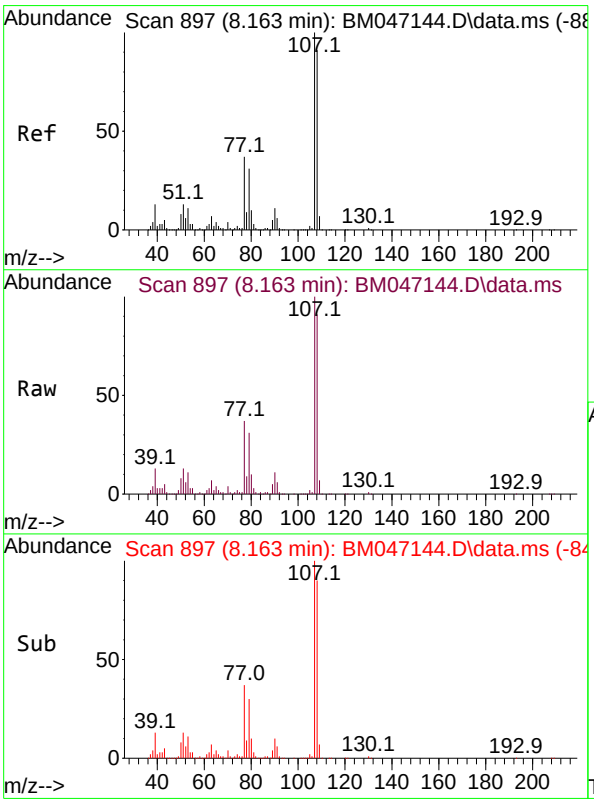
#19
n-Nitroso-di-n-propylamine
Concen: 37.795 ng
RT: 8.187 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 674051

Ion	Ratio	Lower	Upper
70	100		
42	52.5	42.0	63.0
101	9.0	7.2	10.8
130	19.4	15.5	23.3

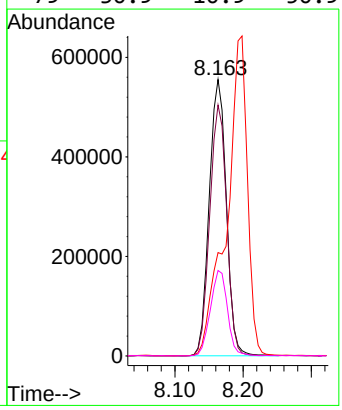


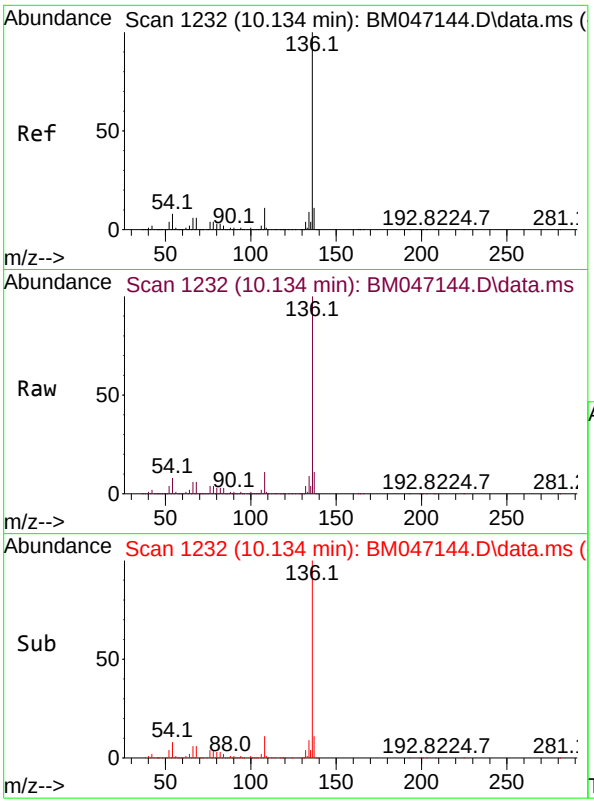


#20
3+4-Methylphenols
Concen: 39.329 ng
RT: 8.163 min Scan# 897
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:107 Resp: 969100

Ion	Ratio	Lower	Upper
107	100		
108	90.7	70.7	110.7
77	37.4	17.4	57.4
79	30.9	10.9	50.9



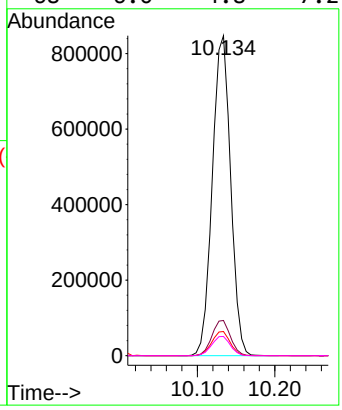


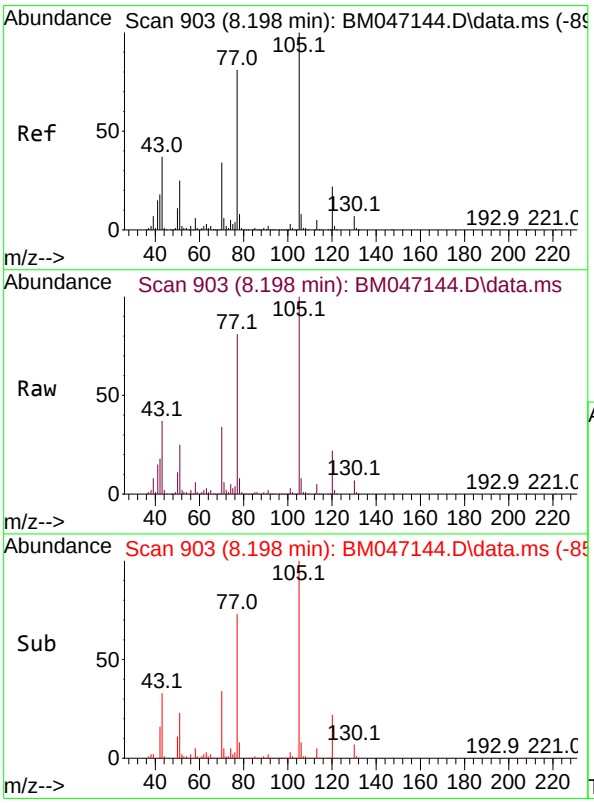
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 1387685

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.5	6.0	9.0
68	6.0	4.8	7.2

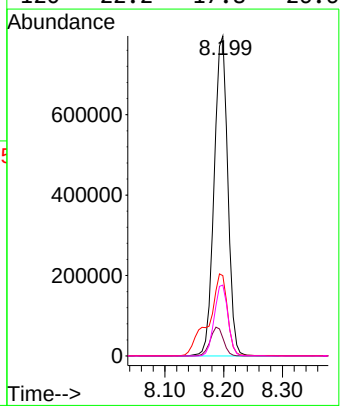


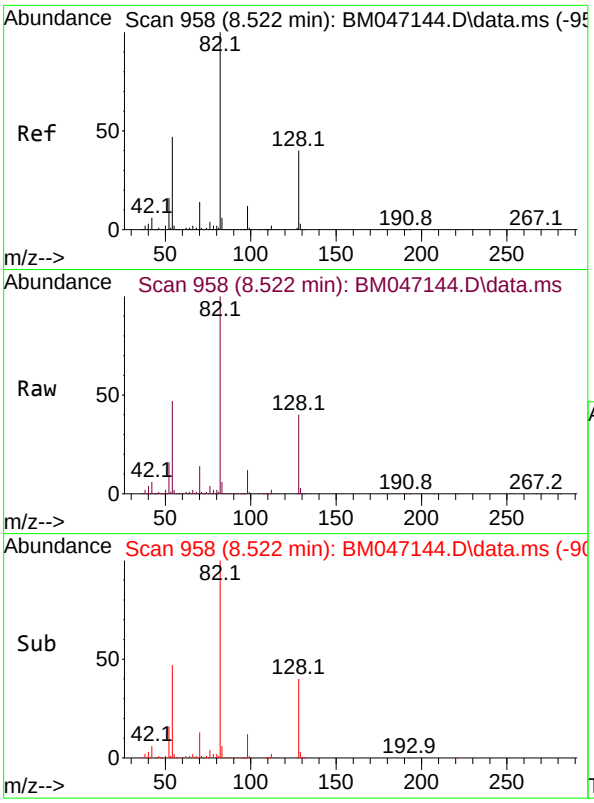


#22
Acetophenone
Concen: 38.307 ng
RT: 8.198 min Scan# 903
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:105 Resp: 1283137

Ion	Ratio	Lower	Upper
105	100		
71	5.6	4.5	6.7
51	25.1	20.1	30.1
120	22.2	17.8	26.6



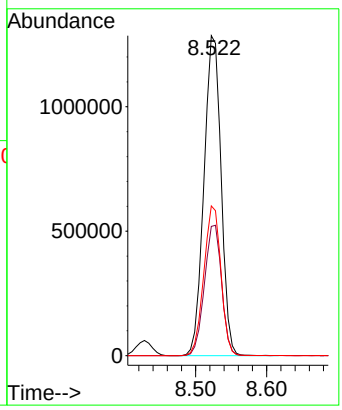


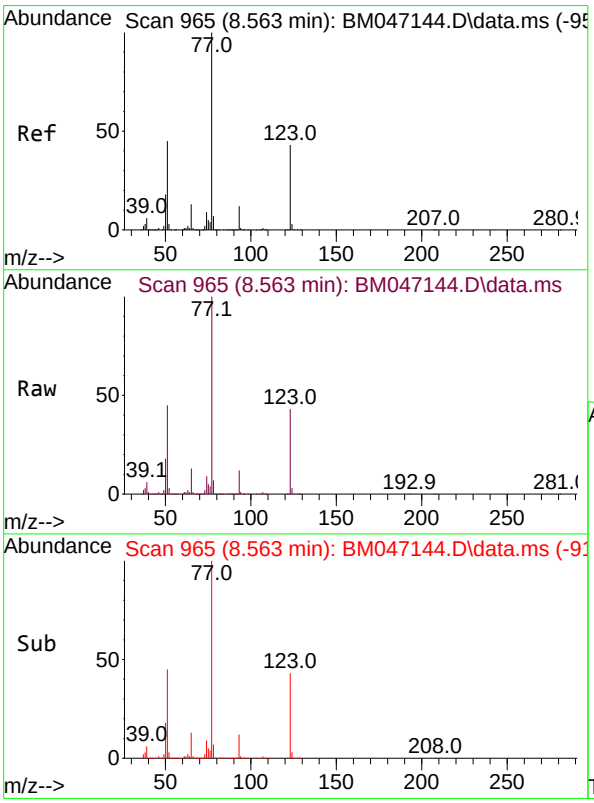
#23
Nitrobenzene-d5
Concen: 78.454 ng
RT: 8.522 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 2162113

Ion	Ratio	Lower	Upper
82	100		
128	40.4	32.3	48.5
54	46.8	37.4	56.2

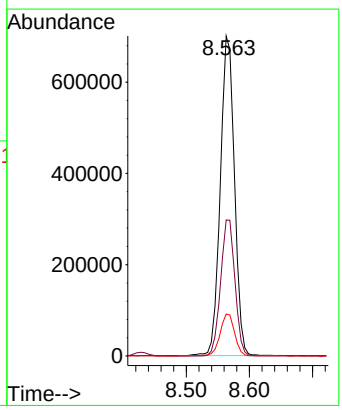


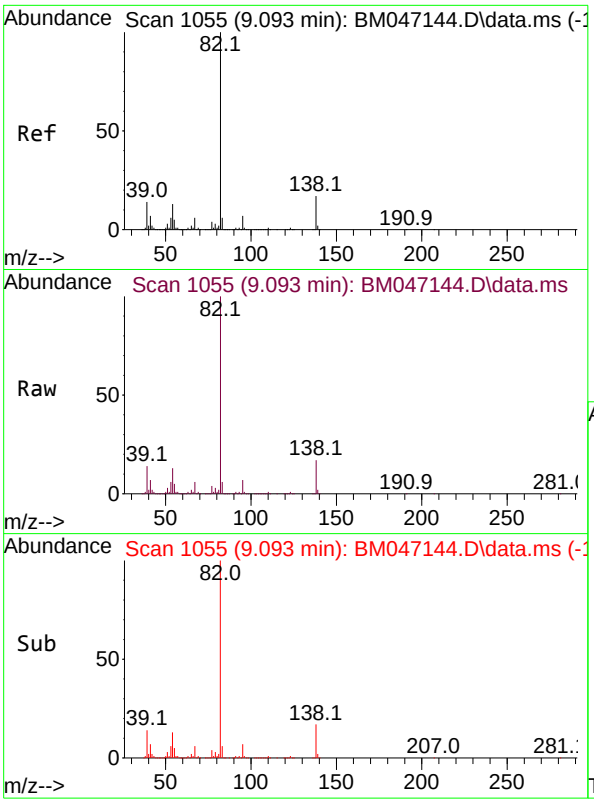


#24
Nitrobenzene
Concen: 39.350 ng
RT: 8.563 min Scan# 965
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion: 77 Resp: 1091975

Ion	Ratio	Lower	Upper
77	100		
123	42.5	34.0	51.0
65	13.1	10.5	15.7



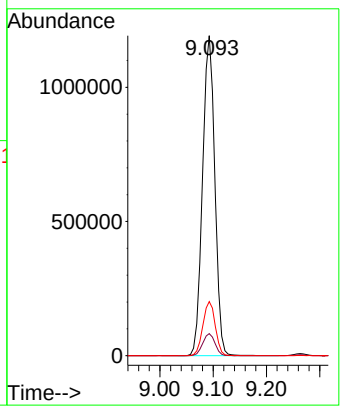


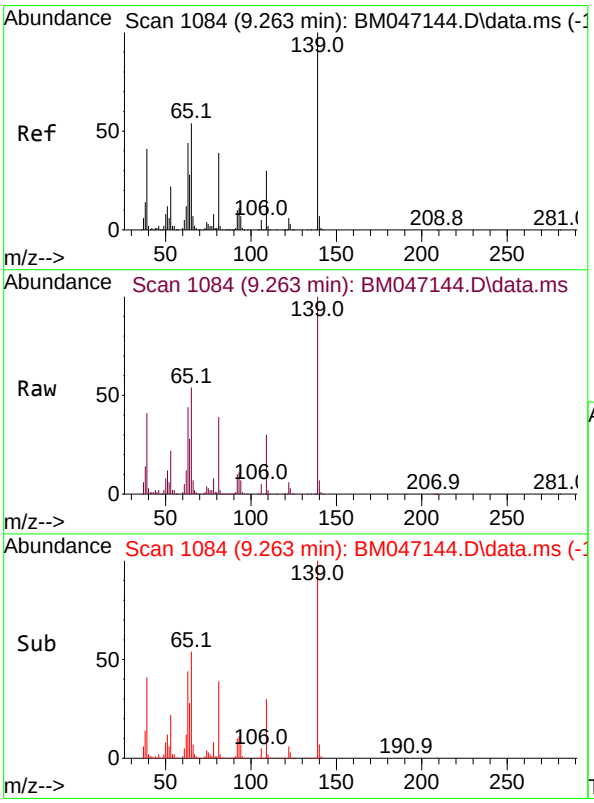
#25
Isophorone
Concen: 39.785 ng
RT: 9.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1909053

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	16.9	13.5	20.3

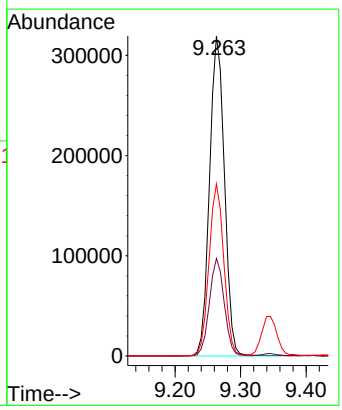


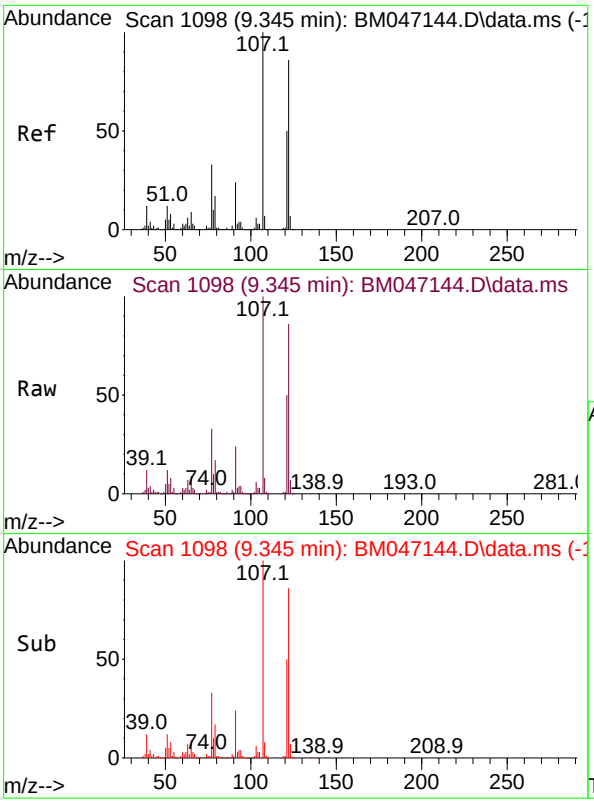


#26
2-Nitrophenol
Concen: 41.011 ng
RT: 9.263 min Scan# 1084
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:139 Resp: 504016

Ion	Ratio	Lower	Upper
139	100		
109	30.5	24.4	36.6
65	53.8	43.0	64.6



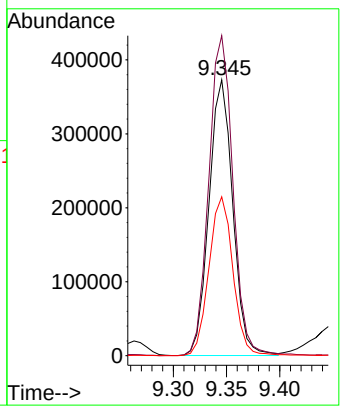


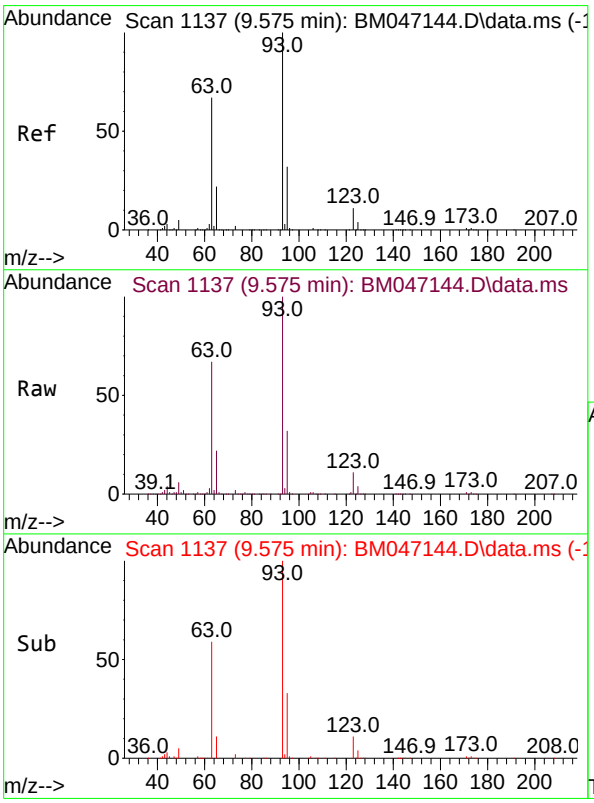
#27
2,4-Dimethylphenol
Concen: 40.278 ng
RT: 9.345 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 579838

Ion	Ratio	Lower	Upper
122	100		
107	116.0	92.8	139.2
121	57.6	46.1	69.1

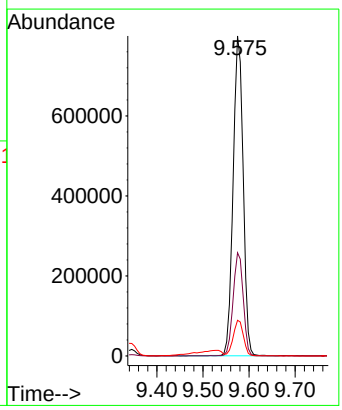


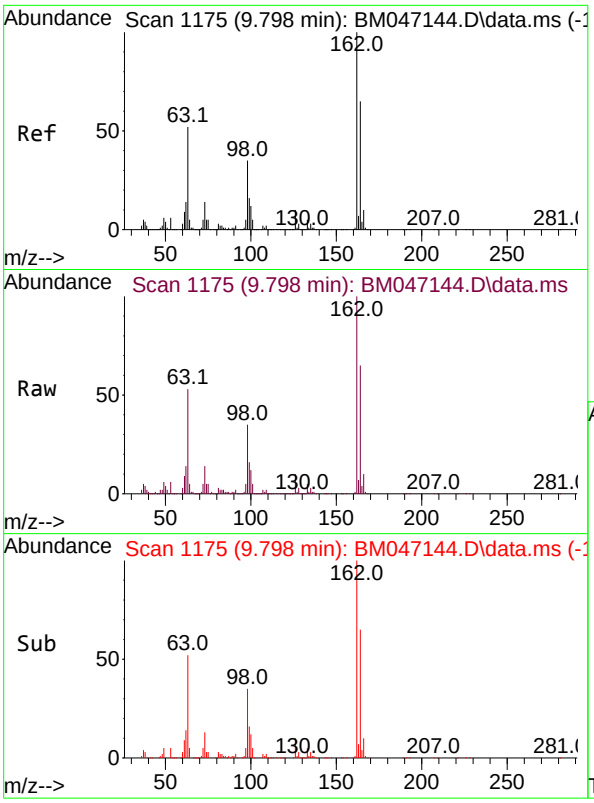


#28
bis(2-Chloroethoxy)methane
Concen: 40.013 ng
RT: 9.575 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion: 93 Resp: 1208106

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.8	38.8
123	11.2	9.0	13.4



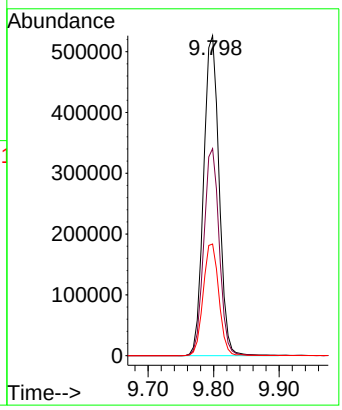


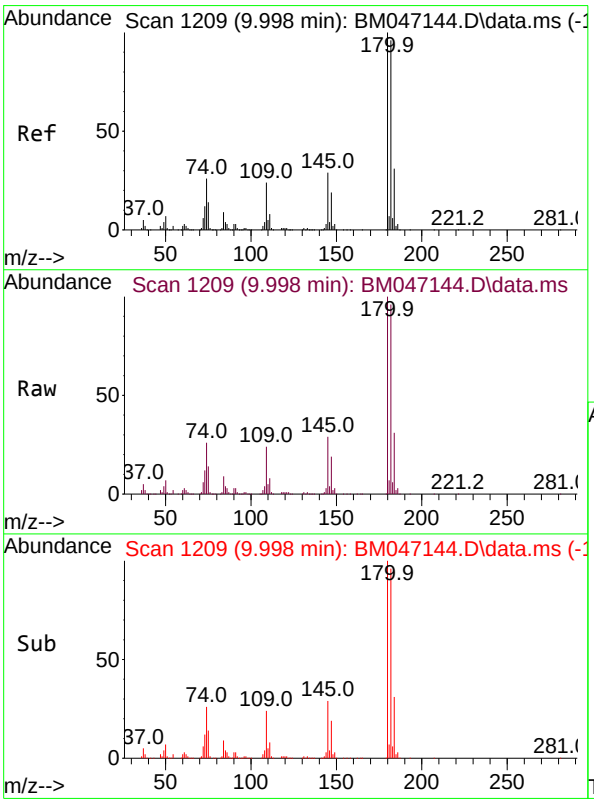
#29
2,4-Dichlorophenol
Concen: 40.518 ng
RT: 9.798 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 865465

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.7	84.7
98	34.9	14.9	54.9

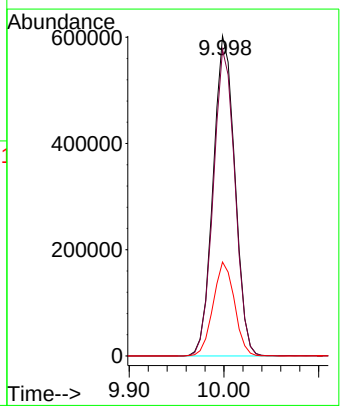


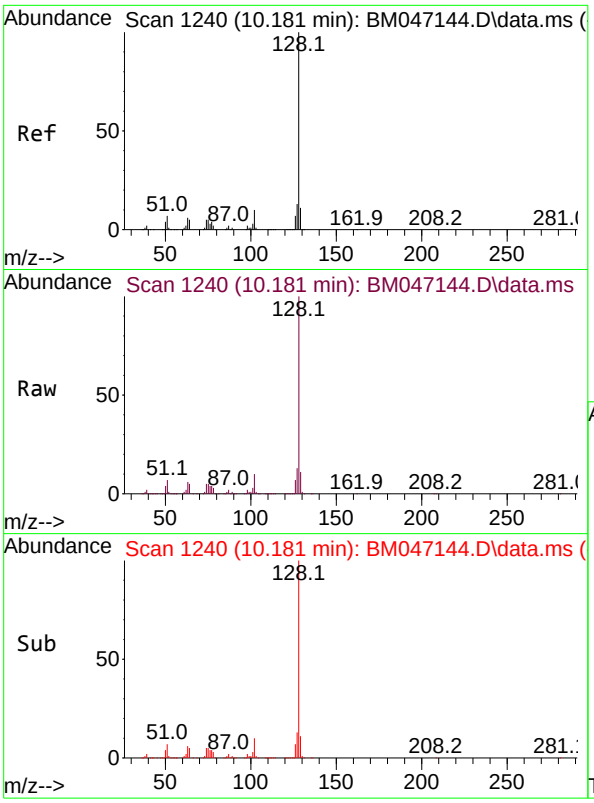


#30
1,2,4-Trichlorobenzene
Concen: 39.749 ng
RT: 9.998 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:180 Resp: 960853

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
145	29.3	23.4	35.2



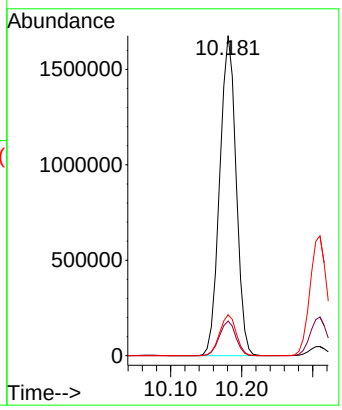


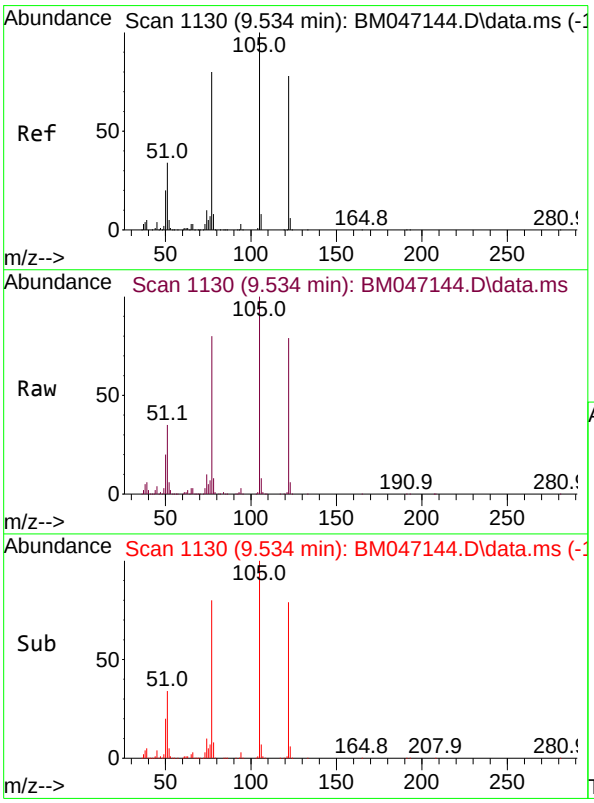
#31
Naphthalene
Concen: 38.782 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 2680978

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	12.8	10.2	15.4

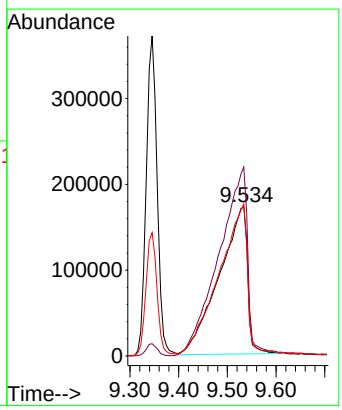


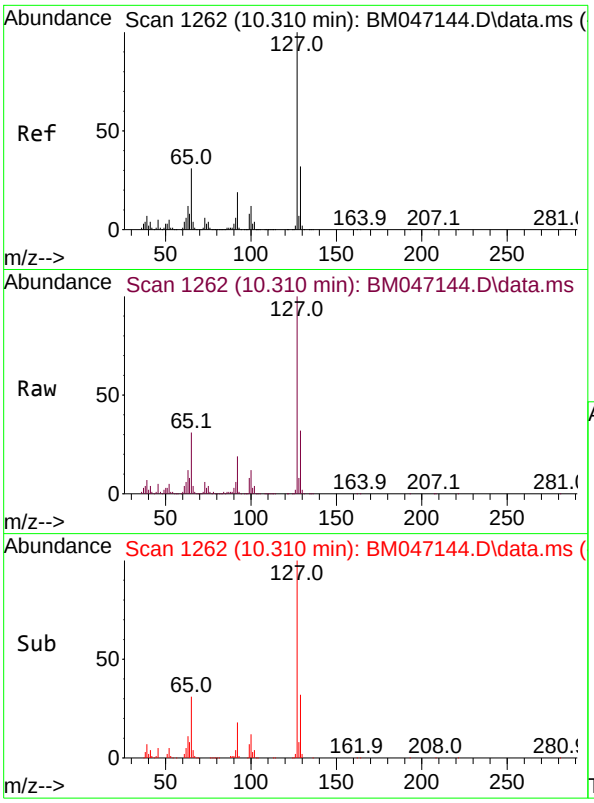


#32
Benzoic acid
Concen: 41.337 ng
RT: 9.534 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:122 Resp: 695240

Ion	Ratio	Lower	Upper
122	100		
105	127.1	107.1	147.1
77	102.1	82.1	122.1



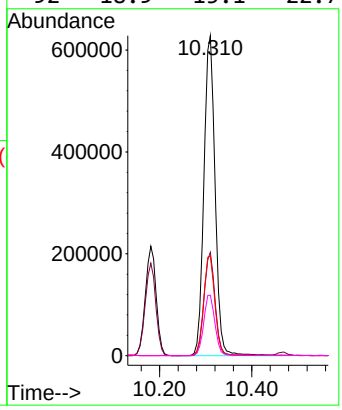


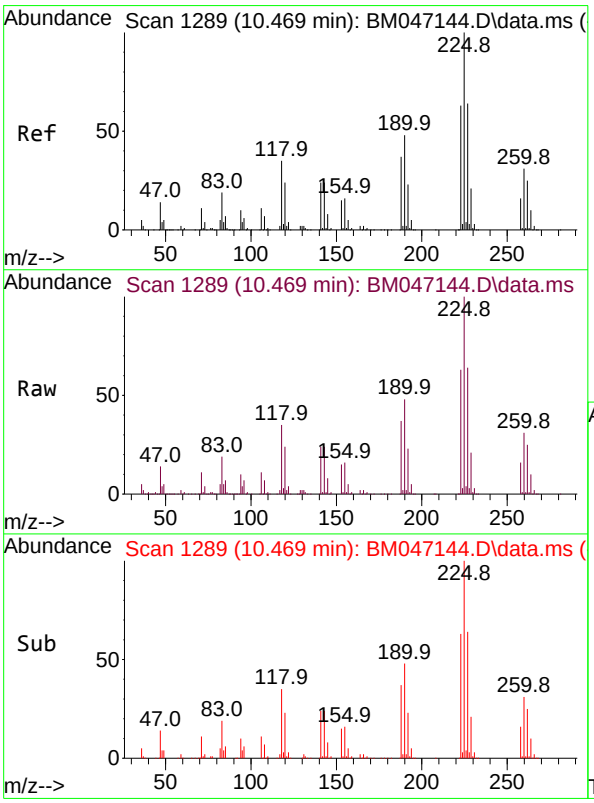
#33
4-Chloroaniline
Concen: 40.238 ng
RT: 10.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 1069700

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.8
65	31.1	24.9	37.3
92	18.9	15.1	22.7

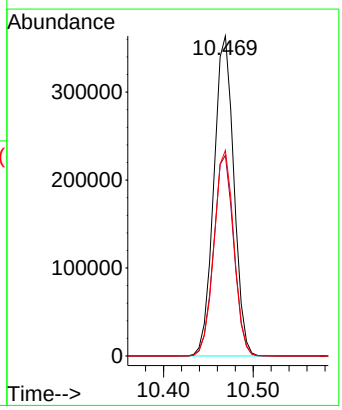


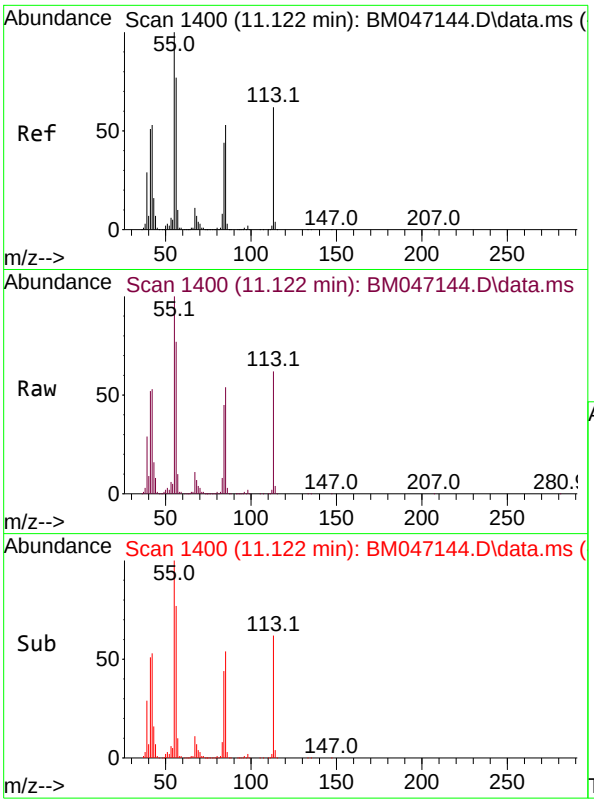


#34
Hexachlorobutadiene
Concen: 39.737 ng
RT: 10.469 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:225 Resp: 562225

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.2
227	64.2	51.4	77.0



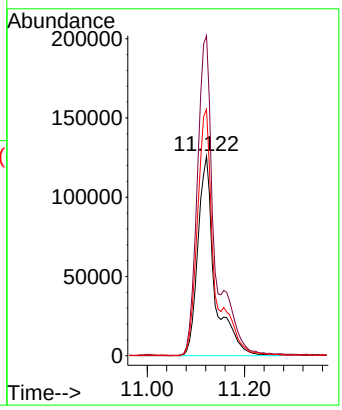


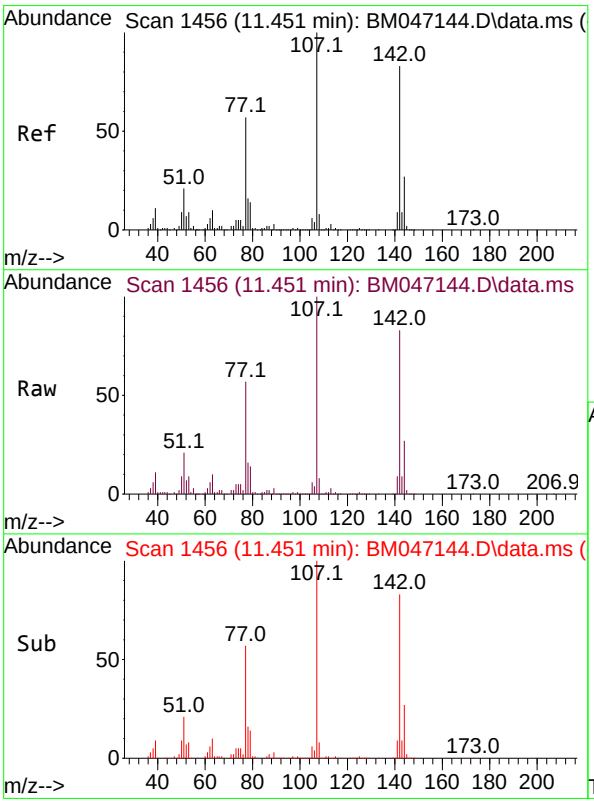
#35
Caprolactam
Concen: 40.875 ng
RT: 11.122 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 303209

Ion	Ratio	Lower	Upper
113	100		
55	160.5	140.5	180.5
56	123.6	103.6	143.6

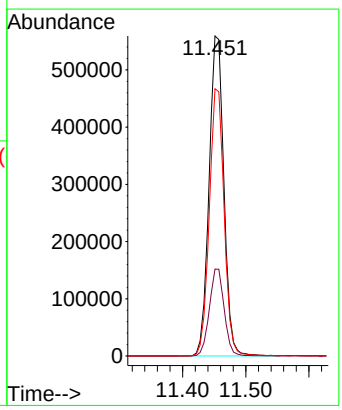


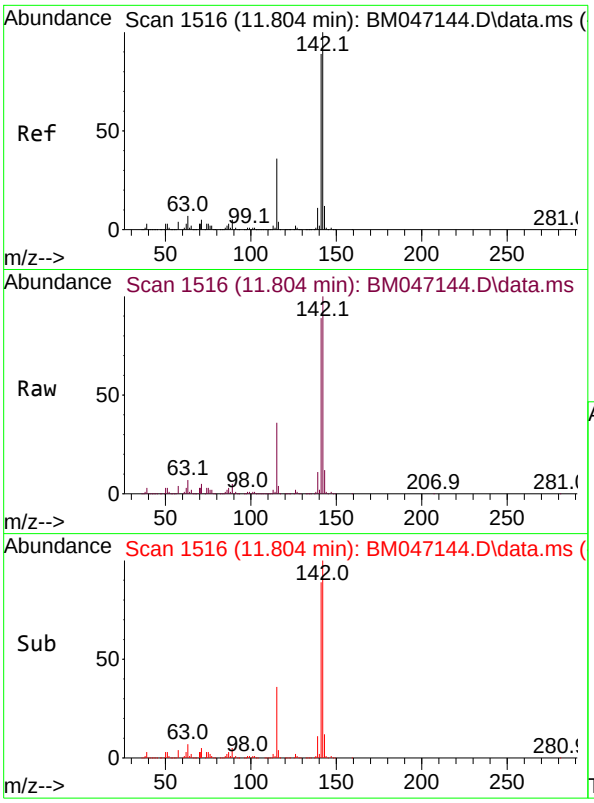


#36
4-Chloro-3-methylphenol
Concen: 39.998 ng
RT: 11.451 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:107 Resp: 909901

Ion	Ratio	Lower	Upper
107	100		
144	27.2	21.8	32.6
142	83.5	66.8	100.2



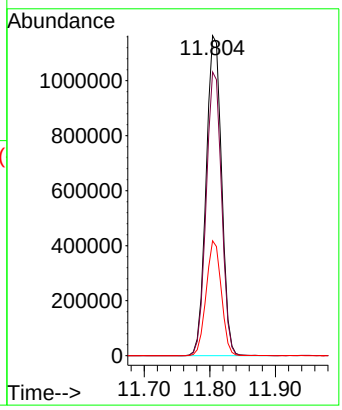


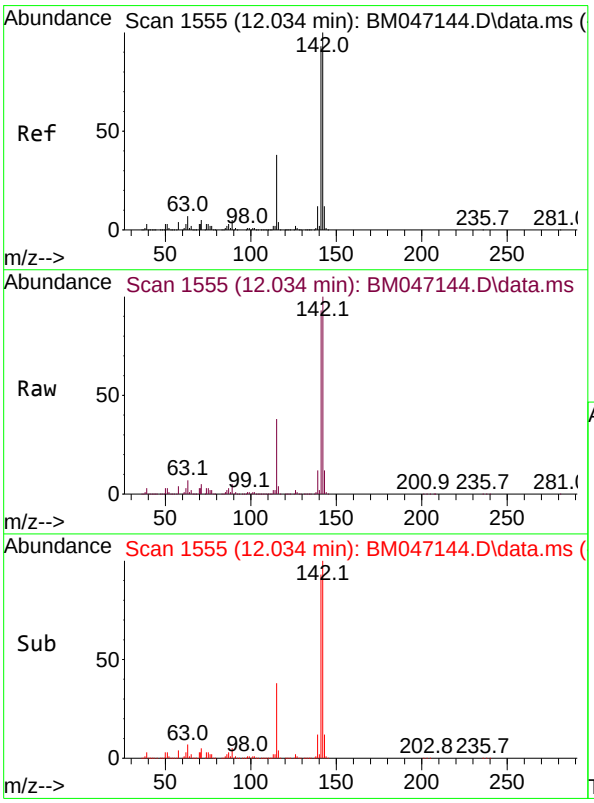
#37
2-Methylnaphthalene
Concen: 38.853 ng
RT: 11.804 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1912342

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.9	106.3
115	35.9	28.7	43.1

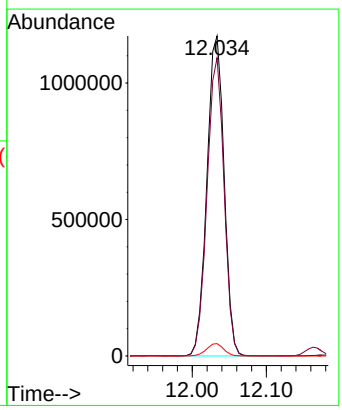


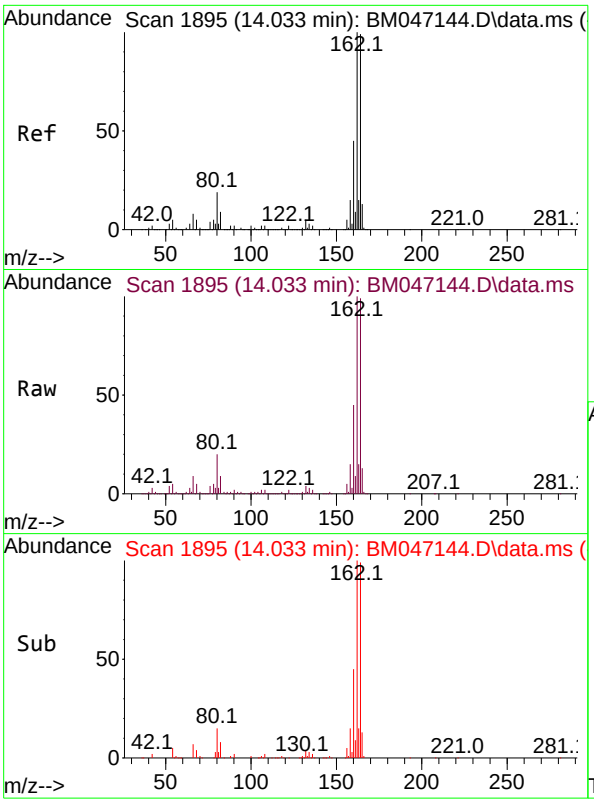


#38
1-Methylnaphthalene
Concen: 38.861 ng
RT: 12.034 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:142 Resp: 1890364

Ion	Ratio	Lower	Upper
142	100		
141	93.2	74.6	111.8
116	3.9	3.1	4.7



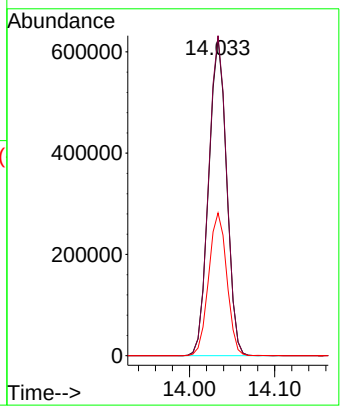


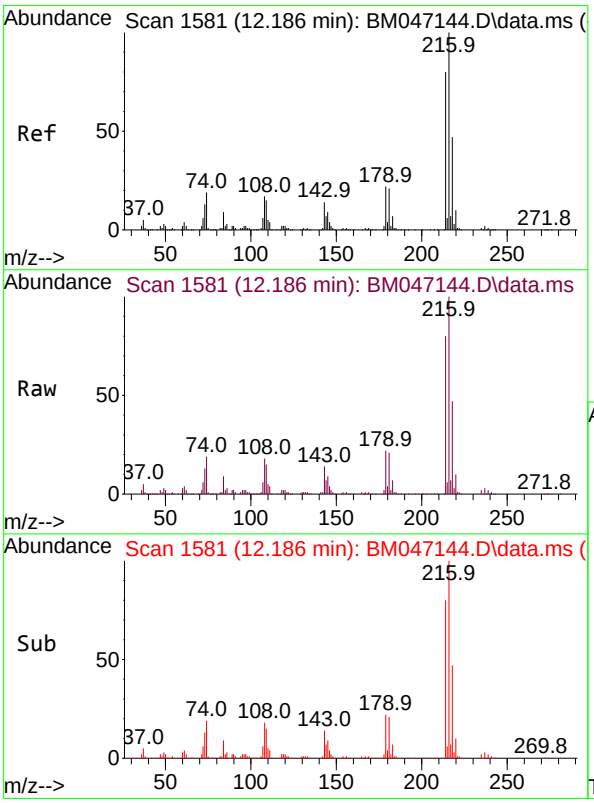
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 915049

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.7	121.1
160	45.0	36.0	54.0

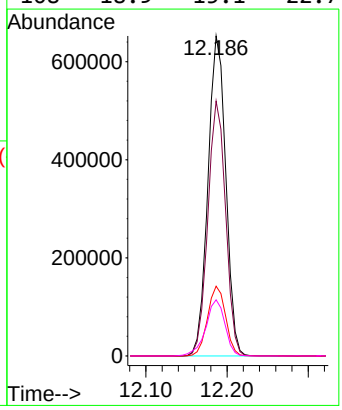


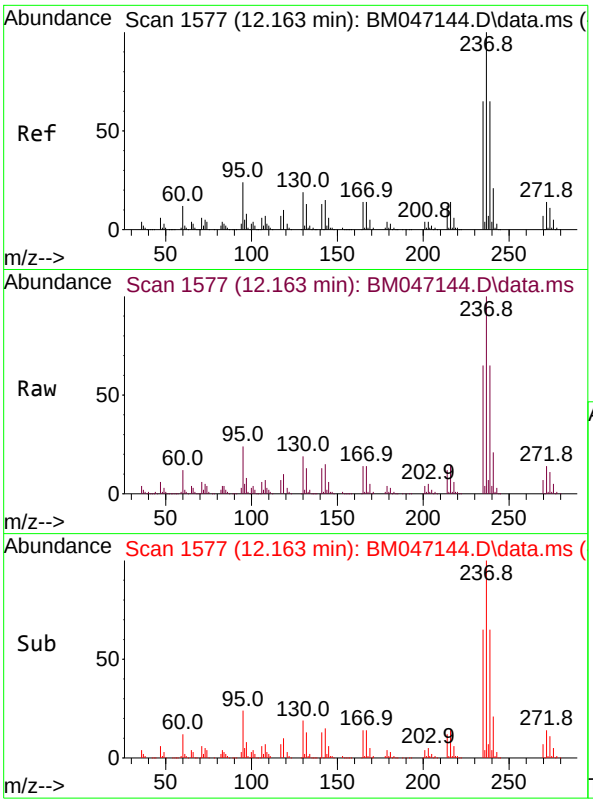


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.833 ng
RT: 12.186 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:216 Resp: 994174

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.4	95.2
179	22.0	17.6	26.4
108	18.9	15.1	22.7



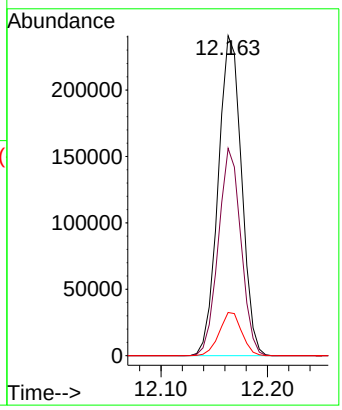


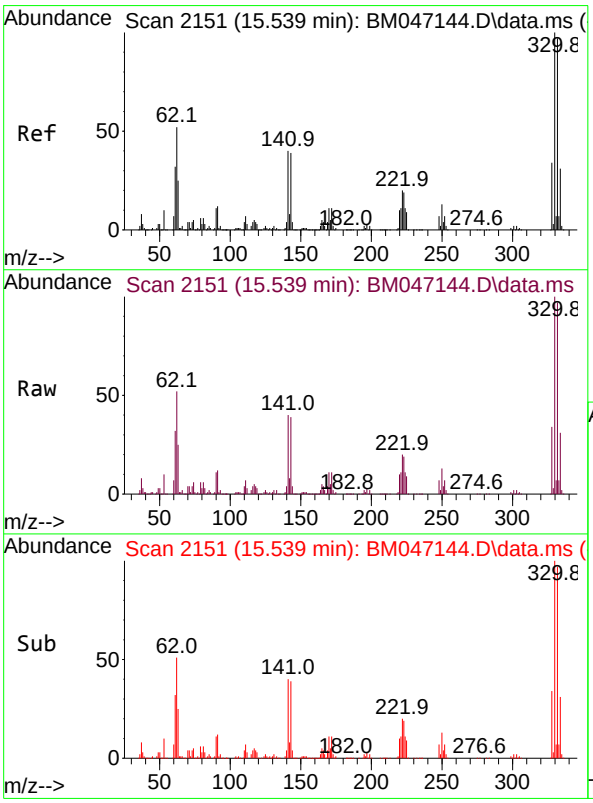
#41
Hexachlorocyclopentadiene
Concen: 42.071 ng
RT: 12.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 366656

Ion	Ratio	Lower	Upper
237	100		
235	64.8	44.8	84.8
272	13.5	0.0	33.5

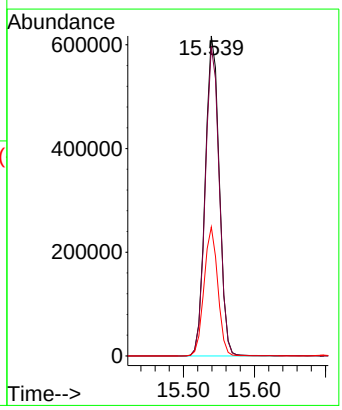


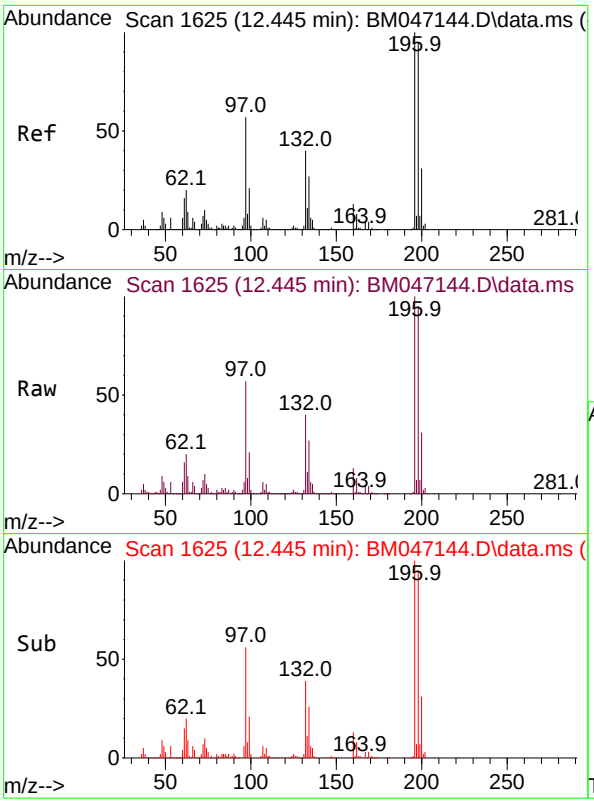


#42
2,4,6-Tribromophenol
Concen: 79.913 ng
RT: 15.539 min Scan# 2151
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:330 Resp: 847891

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.2
141	39.5	31.6	47.4



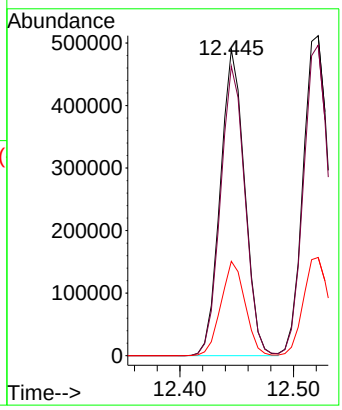


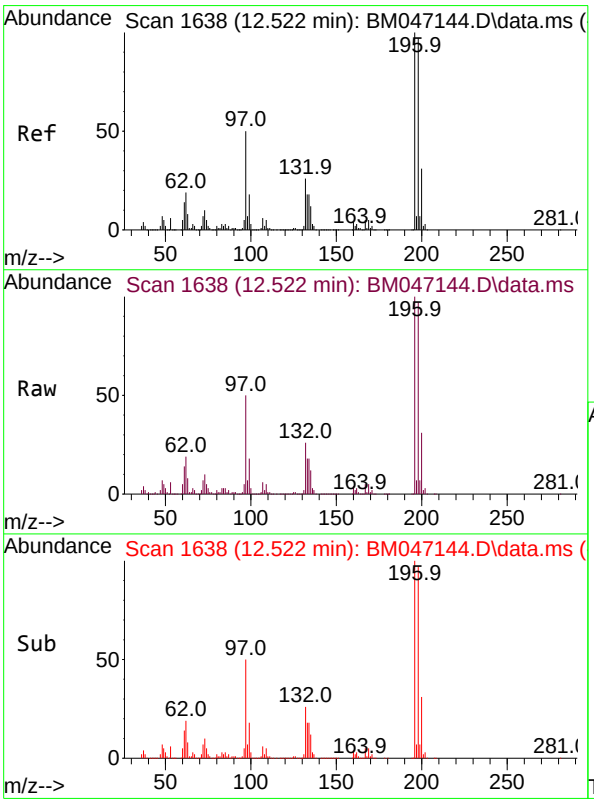
#43
2,4,6-Trichlorophenol
Concen: 41.176 ng
RT: 12.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 730450

Ion	Ratio	Lower	Upper
196	100		
198	94.5	75.6	113.4
200	30.8	24.6	37.0

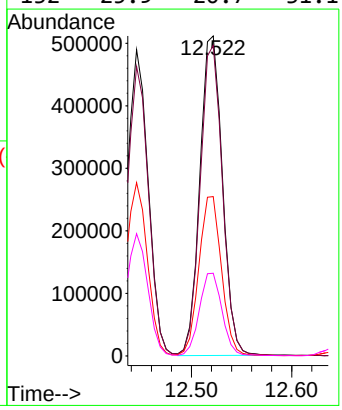


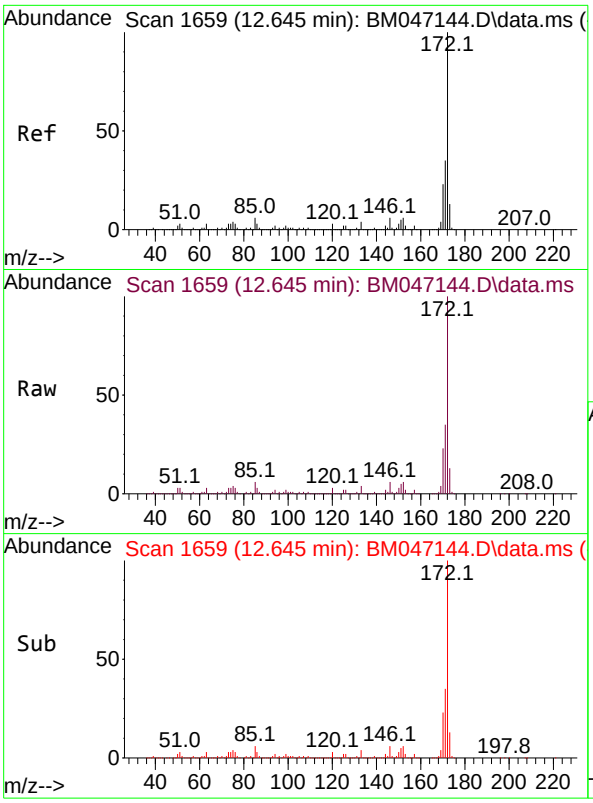


#44
2,4,5-Trichlorophenol
Concen: 40.628 ng
RT: 12.522 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:196 Resp: 800233

Ion	Ratio	Lower	Upper
196	100		
198	97.1	77.7	116.5
97	49.8	39.8	59.8
132	25.9	20.7	31.1



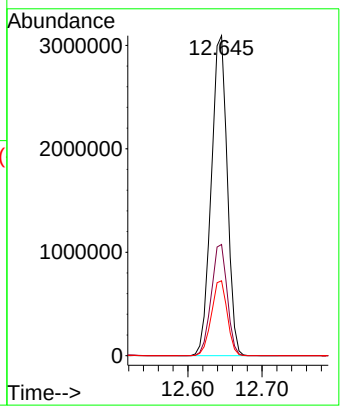


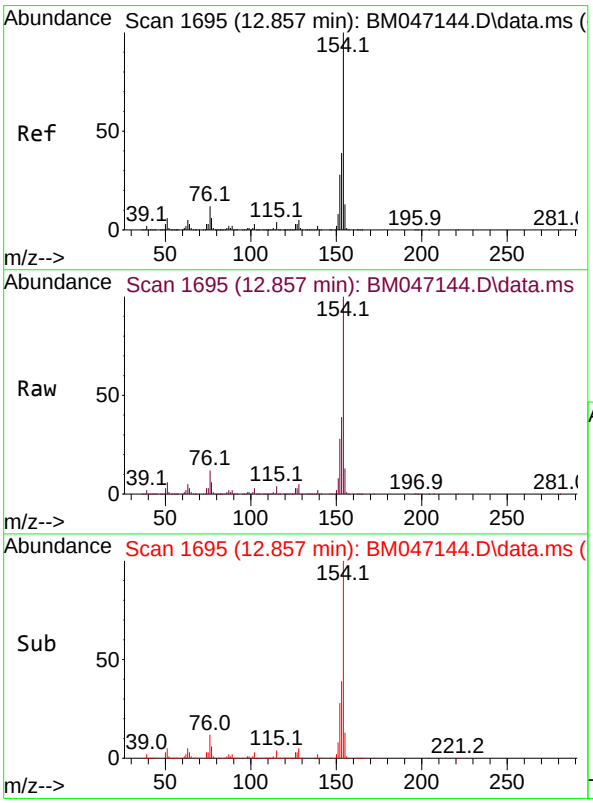
#45
2-Fluorobiphenyl
Concen: 78.021 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 4628326

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.4	18.7	28.1

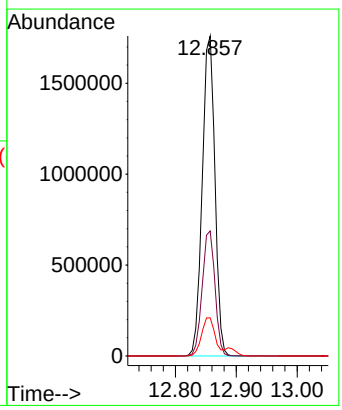


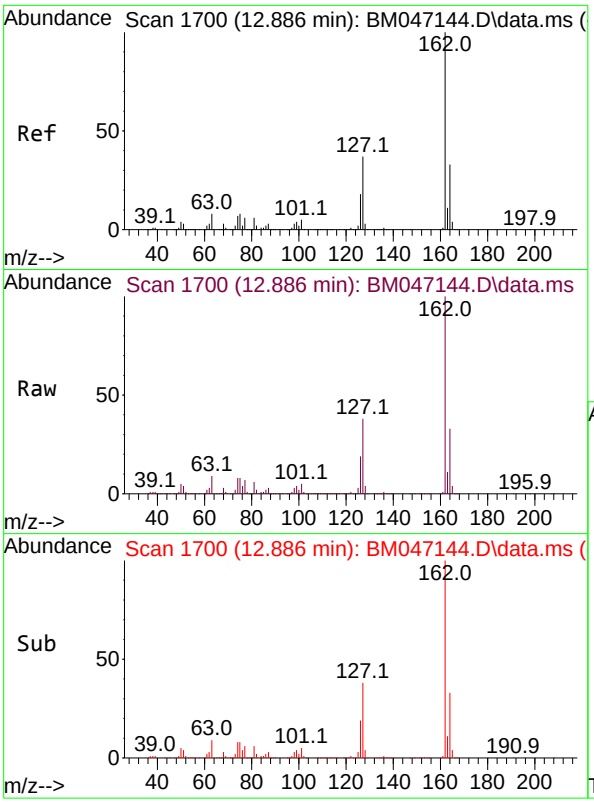


#46
1,1'-Biphenyl
Concen: 38.981 ng
RT: 12.857 min Scan# 1695
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:154 Resp: 2539356

Ion	Ratio	Lower	Upper
154	100		
153	39.0	19.0	59.0
76	11.9	0.0	31.9



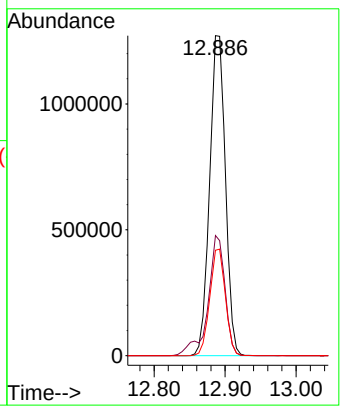


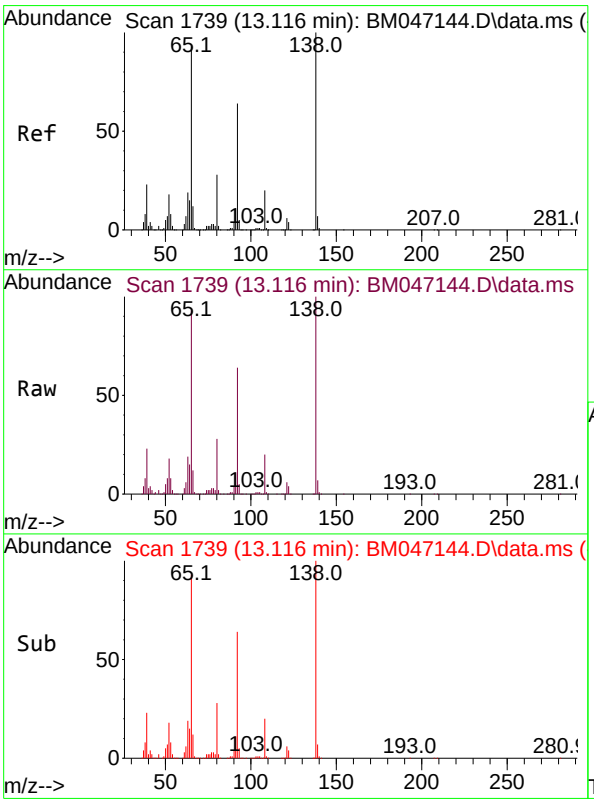
#47
2-Chloronaphthalene
Concen: 38.494 ng
RT: 12.886 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1959972

Ion	Ratio	Lower	Upper
162	100		
127	37.5	30.0	45.0
164	32.9	26.3	39.5

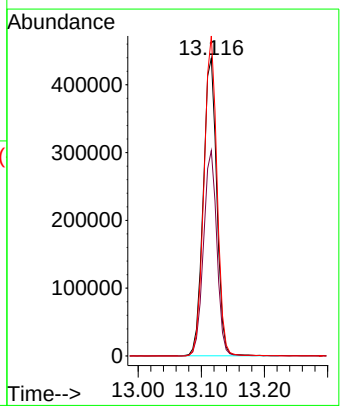


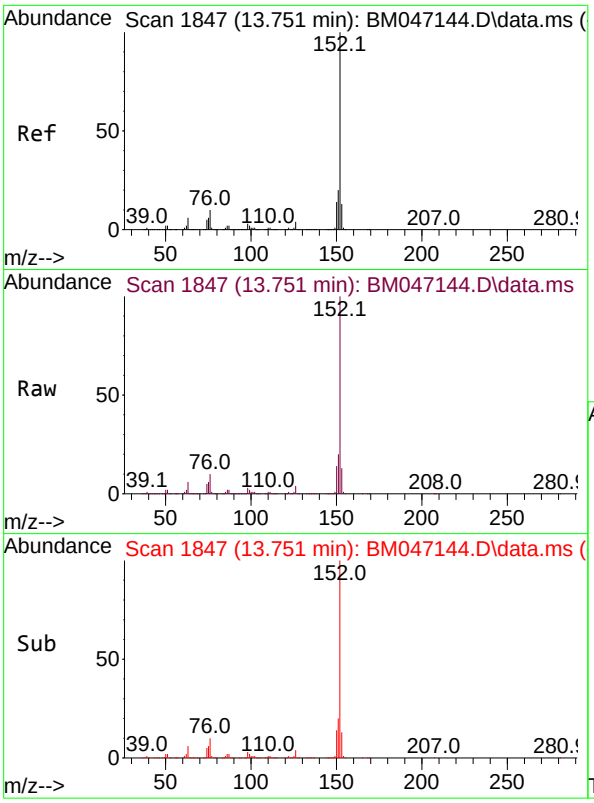


#48
2-Nitroaniline
Concen: 40.916 ng
RT: 13.116 min Scan# 1739
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion: 65 Resp: 652655

Ion	Ratio	Lower	Upper
65	100		
92	68.9	55.1	82.7
138	107.4	85.9	128.9



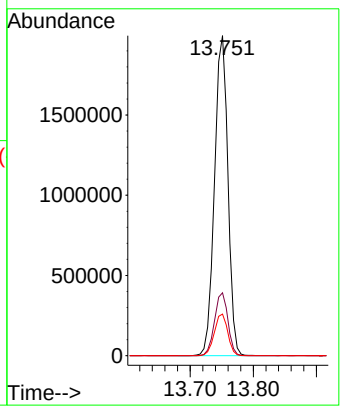


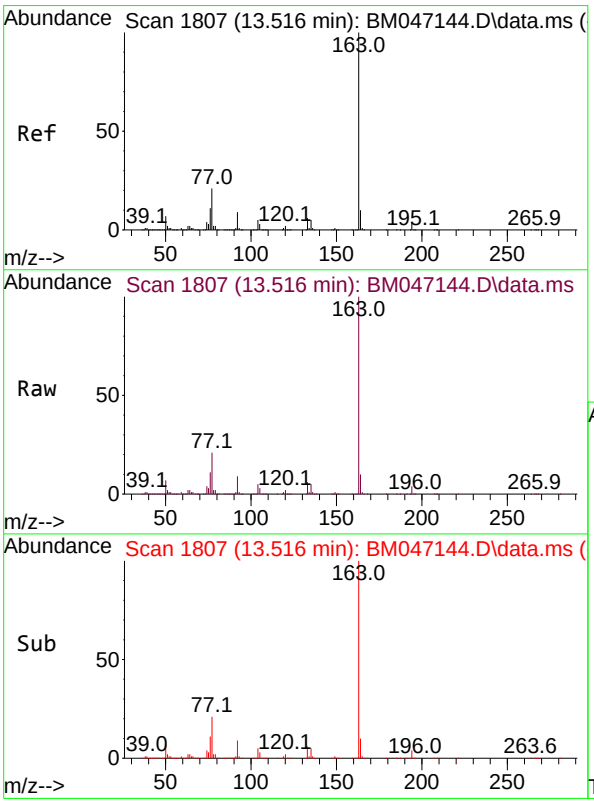
#49
Acenaphthylene
Concen: 39.060 ng
RT: 13.751 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2931534

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.0	10.4	15.6

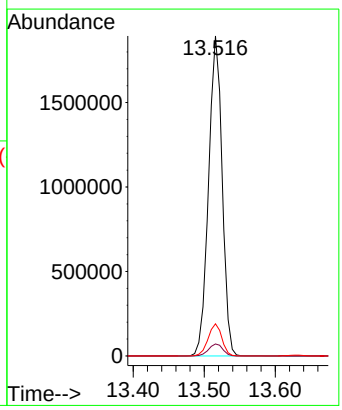


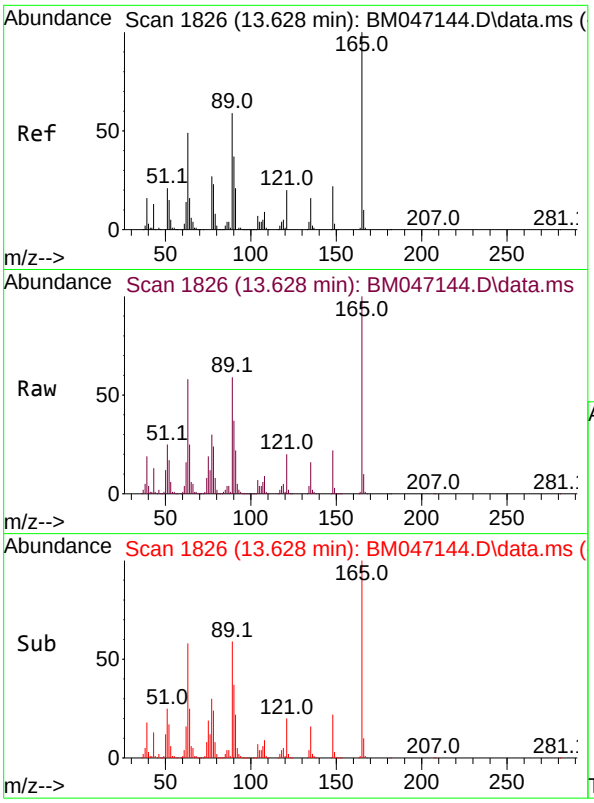


#50
Dimethylphthalate
Concen: 39.479 ng
RT: 13.516 min Scan# 1807
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:163 Resp: 2522996

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.0	8.0	12.0



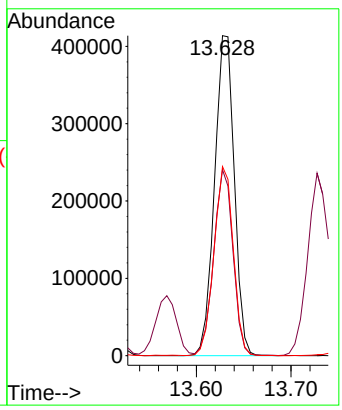


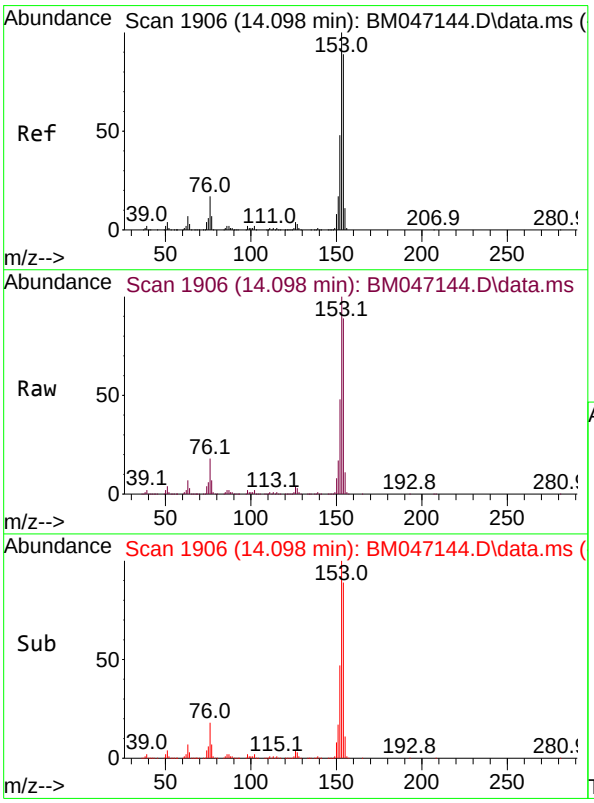
#51
2,6-Dinitrotoluene
Concen: 40.235 ng
RT: 13.628 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 601084

Ion	Ratio	Lower	Upper
165	100		
63	58.1	46.5	69.7
89	59.1	47.3	70.9

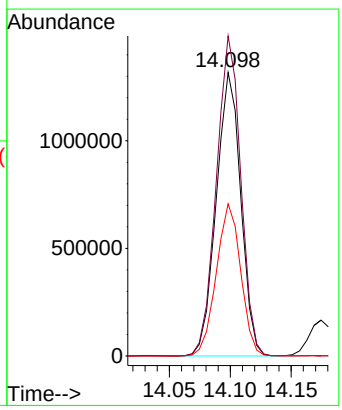


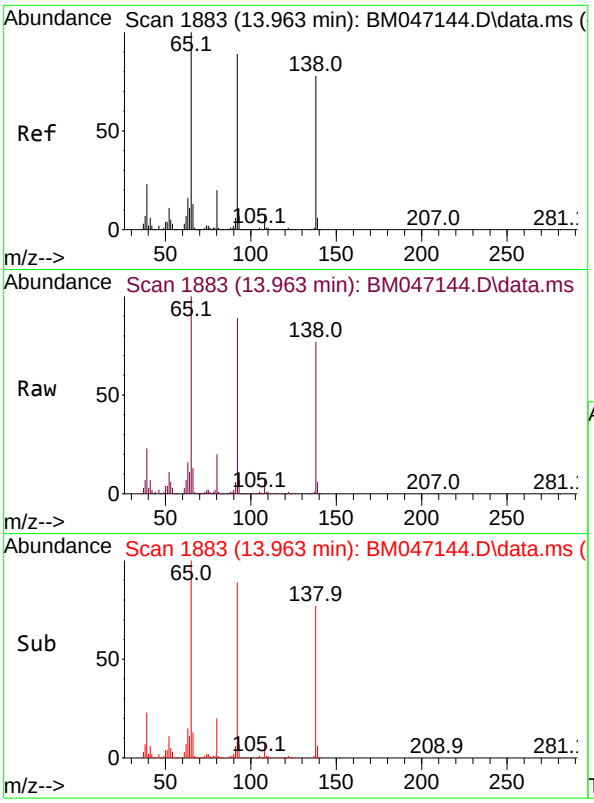


#52
Acenaphthene
Concen: 38.733 ng
RT: 14.098 min Scan# 1906
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:154 Resp: 1844024

Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.3	135.5
152	53.6	42.9	64.3



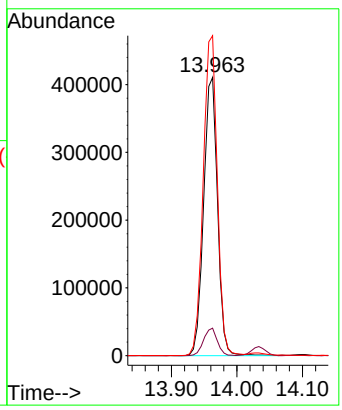


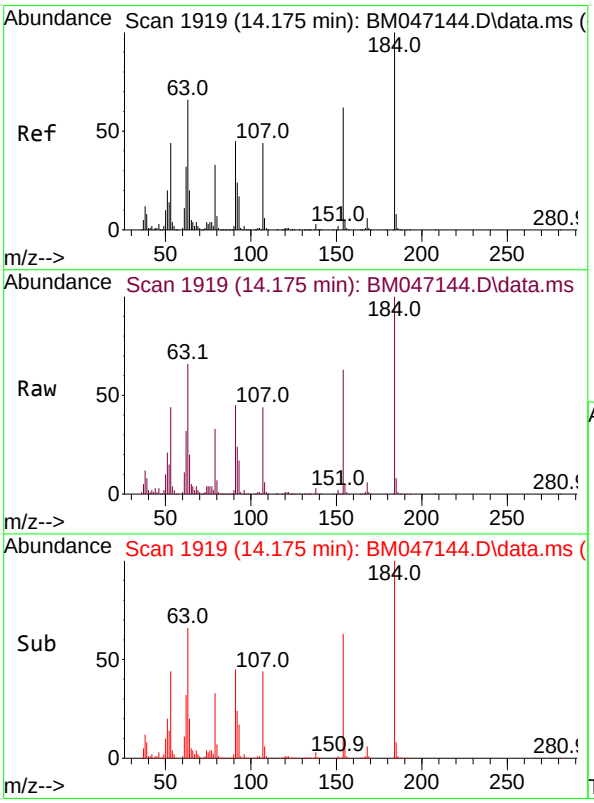
#53
3-Nitroaniline
Concen: 40.486 ng
RT: 13.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 606076

Ion	Ratio	Lower	Upper
138	100		
108	9.9	7.9	11.9
92	115.0	92.0	138.0

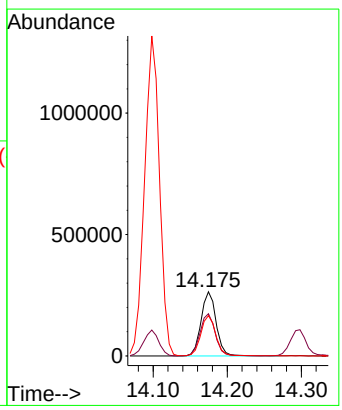


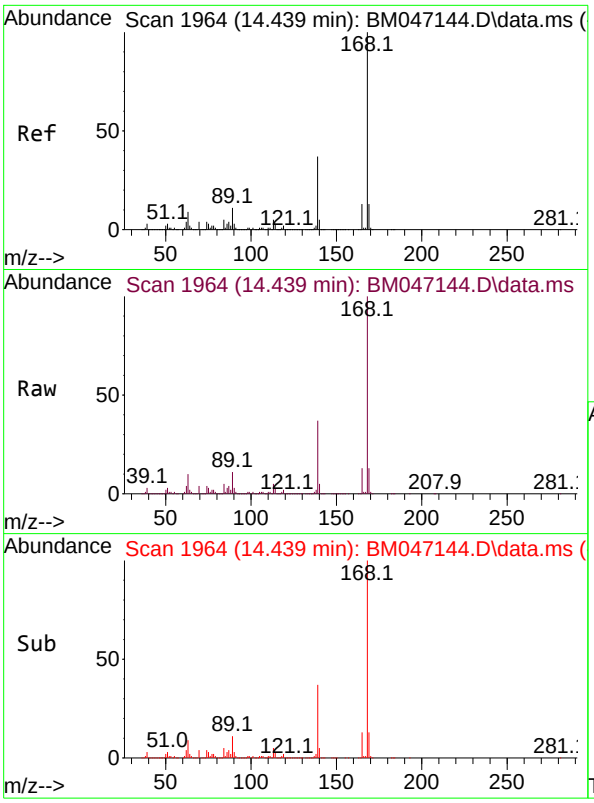


#54
2,4-Dinitrophenol
Concen: 41.679 ng
RT: 14.175 min Scan# 1919
Delta R.T. -0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:184 Resp: 373189

Ion	Ratio	Lower	Upper
184	100		
63	65.9	52.7	79.1
154	63.0	50.4	75.6



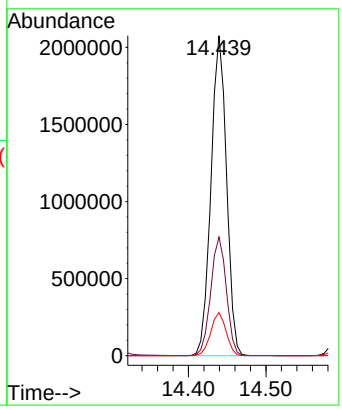


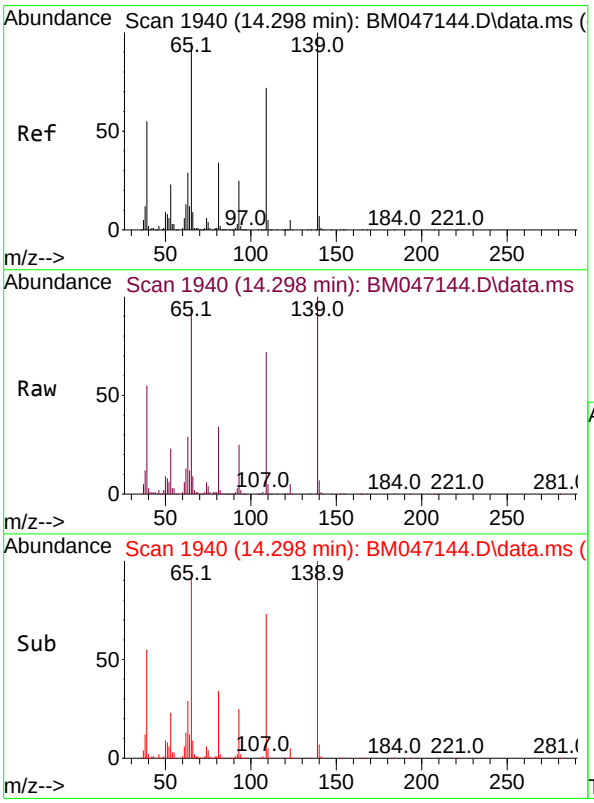
#55
Dibenzofuran
Concen: 38.434 ng
RT: 14.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 2890230

Ion	Ratio	Lower	Upper
168	100		
139	37.0	29.6	44.4
169	13.4	10.7	16.1

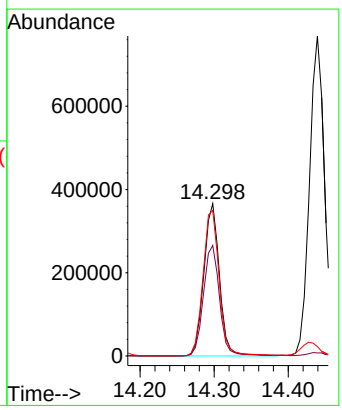


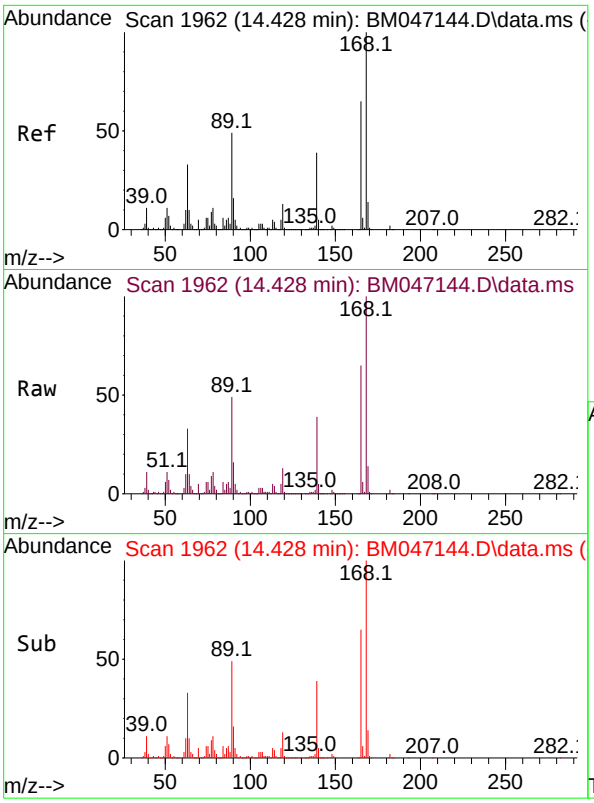


#56
4-Nitrophenol
Concen: 41.602 ng
RT: 14.298 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:139 Resp: 537017

Ion	Ratio	Lower	Upper
139	100		
109	72.5	52.5	92.5
65	95.4	75.4	115.4



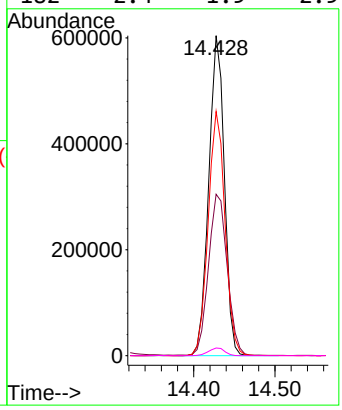


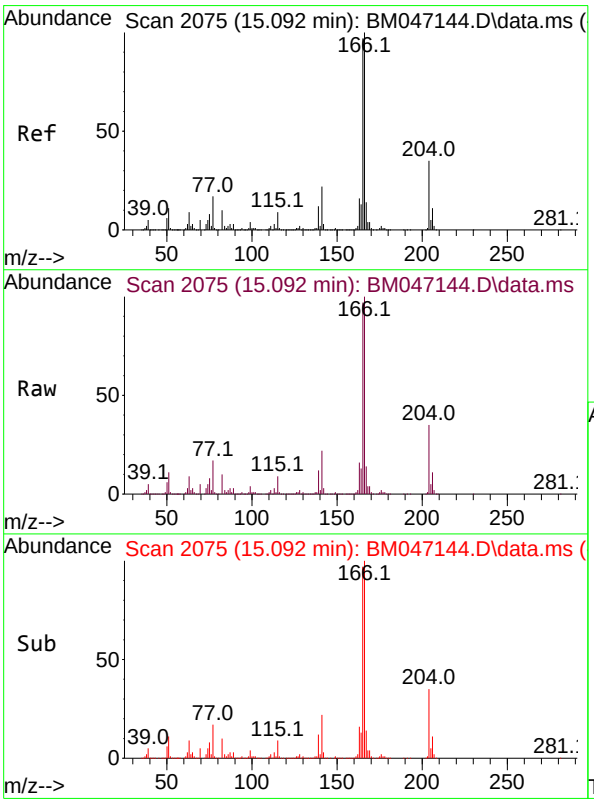
#57
2,4-Dinitrotoluene
Concen: 40.441 ng
RT: 14.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 806412

Ion	Ratio	Lower	Upper
165	100		
63	50.4	40.3	60.5
89	76.3	61.0	91.6
182	2.4	1.9	2.9

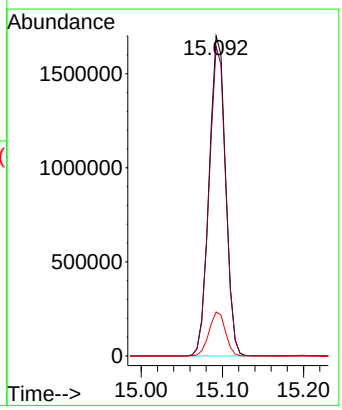


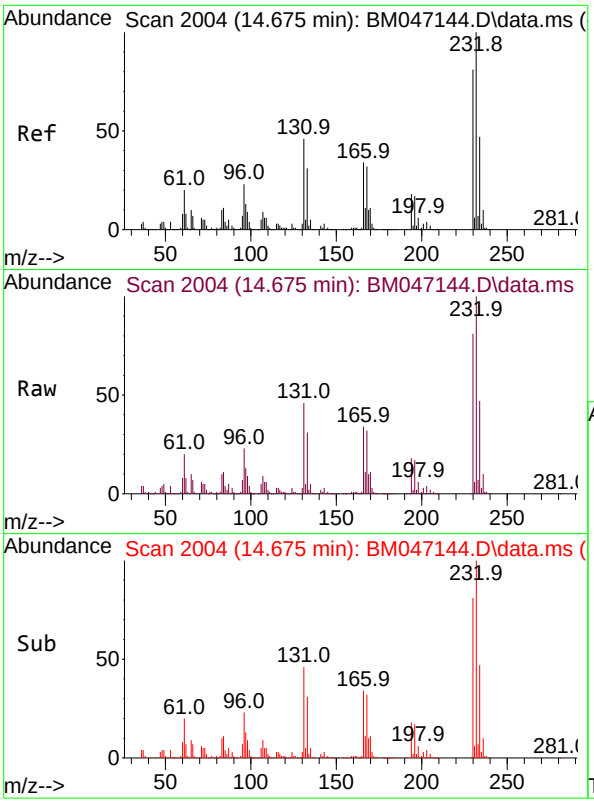


#58
Fluorene
Concen: 38.607 ng
RT: 15.092 min Scan# 2075
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:166 Resp: 2395462

Ion	Ratio	Lower	Upper
166	100		
165	96.7	77.4	116.0
167	13.8	11.0	16.6



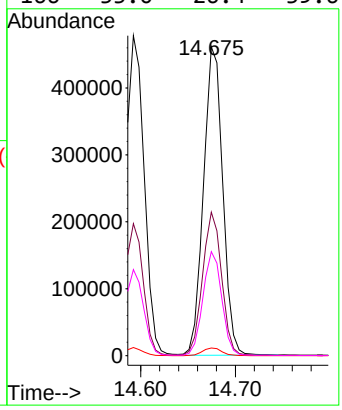


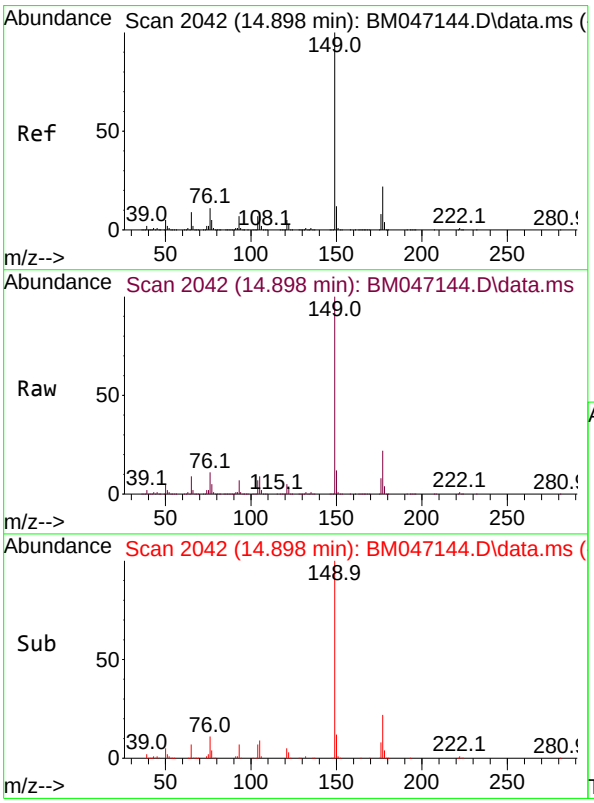
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.167 ng
RT: 14.675 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 650207

Ion	Ratio	Lower	Upper
232	100		
131	46.1	36.9	55.3
130	2.5	2.0	3.0
166	33.0	26.4	39.6

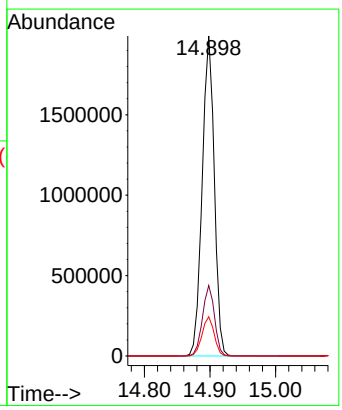


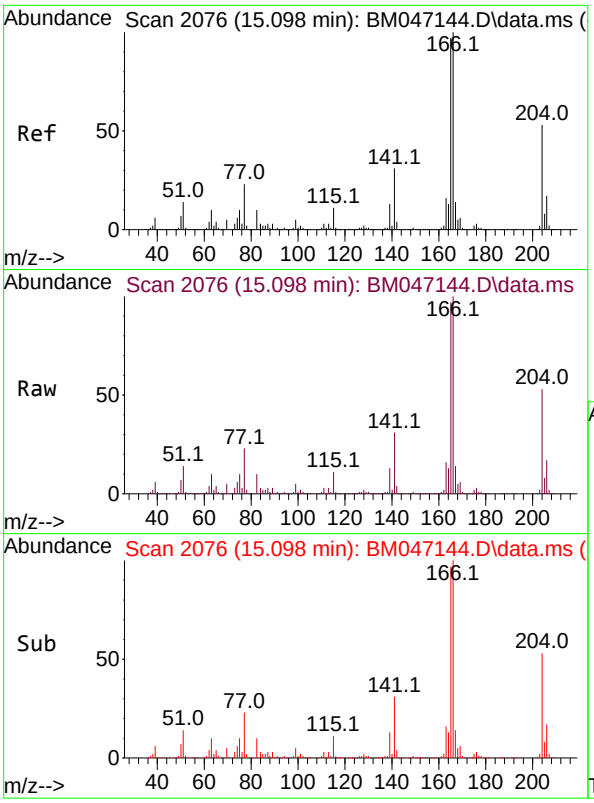


#60
Diethylphthalate
Concen: 39.196 ng
RT: 14.898 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:149 Resp: 2558000

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.6	26.4
150	12.2	9.8	14.6



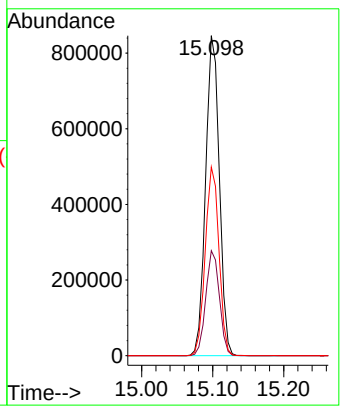


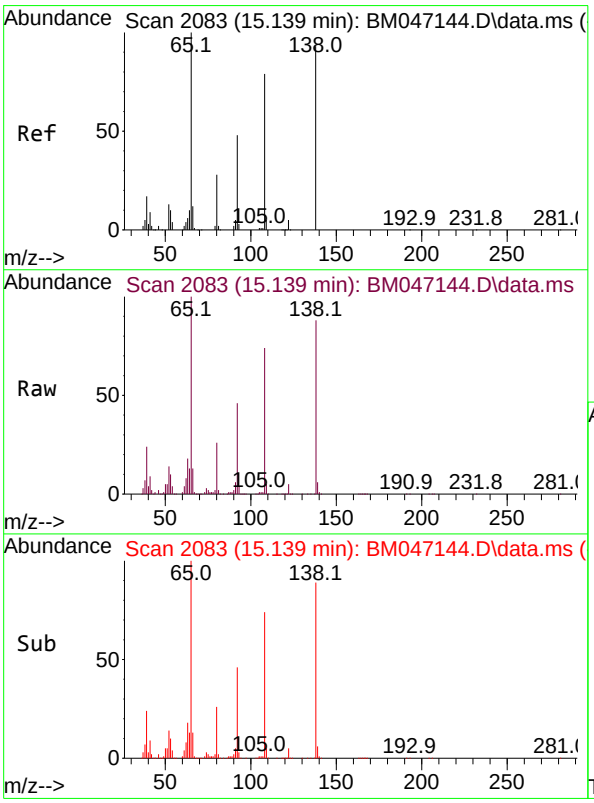
#61
4-Chlorophenyl-phenylether
Concen: 38.496 ng
RT: 15.098 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 1137143

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.2	39.4
141	59.0	47.2	70.8

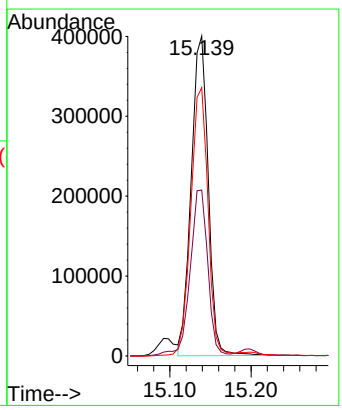


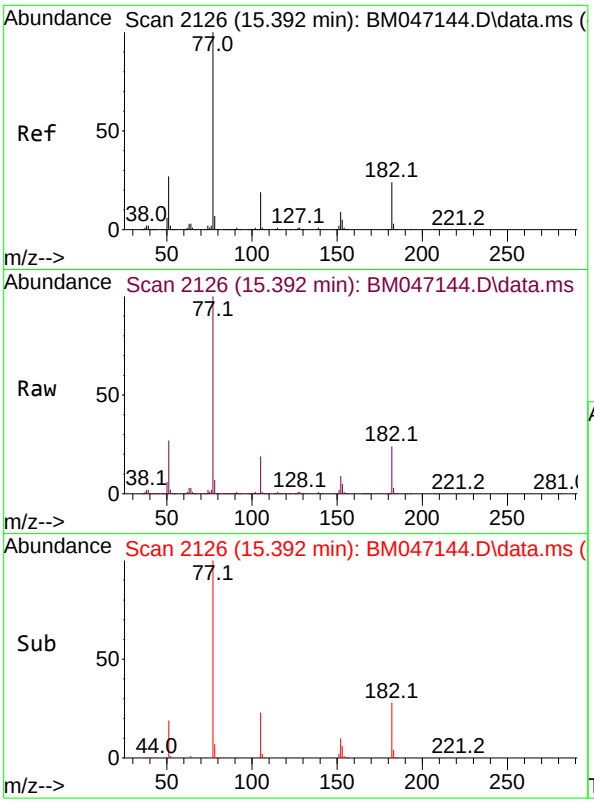


#62
4-Nitroaniline
Concen: 39.609 ng
RT: 15.139 min Scan# 2083
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:138 Resp: 584150

Ion	Ratio	Lower	Upper
138	100		
92	51.9	31.9	71.9
108	83.8	63.8	103.8



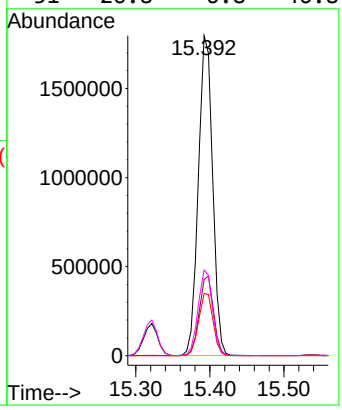


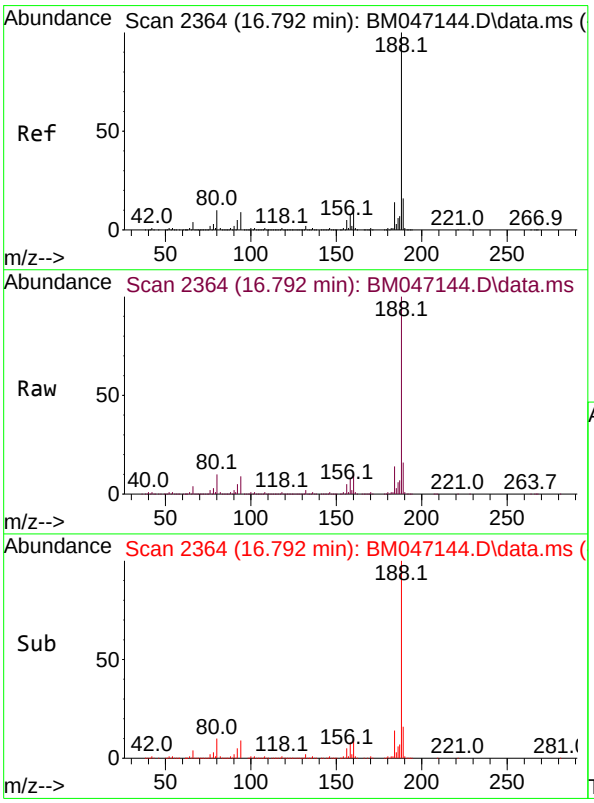
#63
Azobenzene
Concen: 38.848 ng
RT: 15.392 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 2403859

Ion	Ratio	Lower	Upper
77	100		
182	23.8	3.8	43.8
105	19.5	0.0	39.5
51	26.8	6.8	46.8

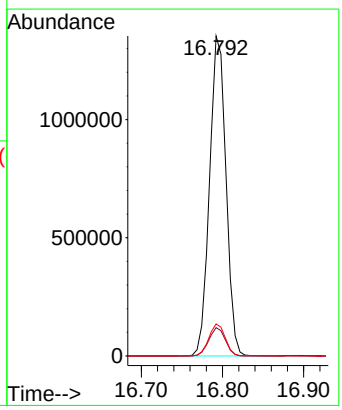


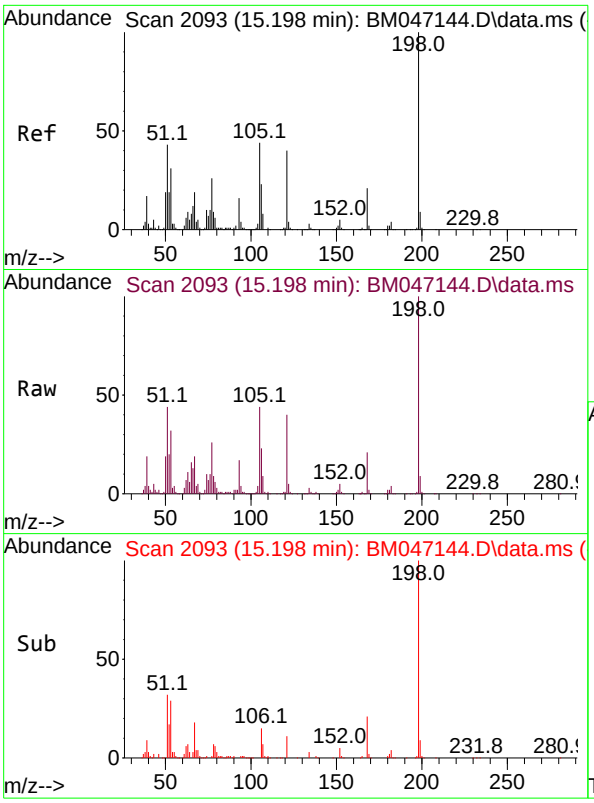


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:188 Resp: 1901562

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.0	10.6
80	10.0	8.0	12.0



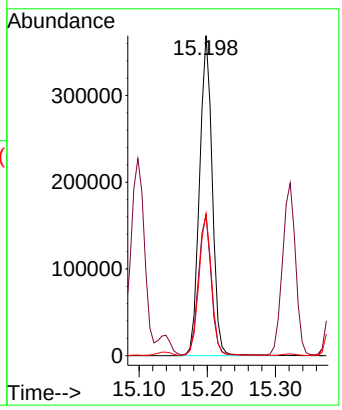


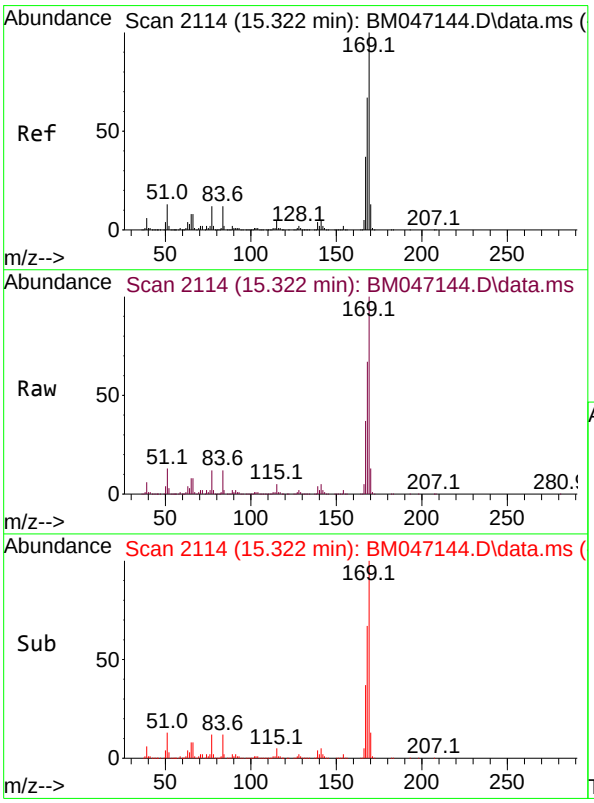
#65
4,6-Dinitro-2-methylphenol
Concen: 42.835 ng
RT: 15.198 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 476893

Ion	Ratio	Lower	Upper
198	100		
51	43.9	23.9	63.9
105	44.3	24.3	64.3

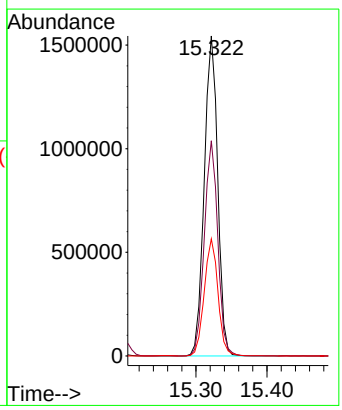


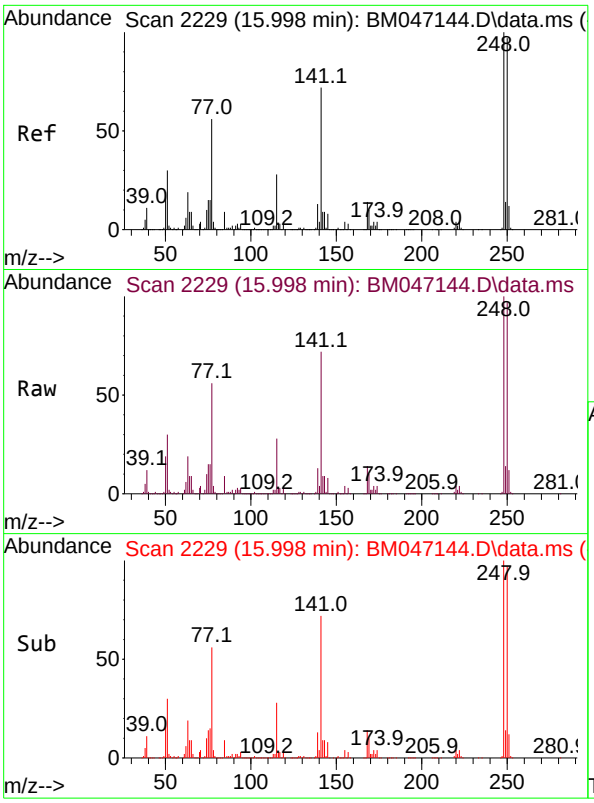


#66
n-Nitrosodiphenylamine
Concen: 39.377 ng
RT: 15.322 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:169 Resp: 2039493

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.8	80.8
167	36.6	29.3	43.9



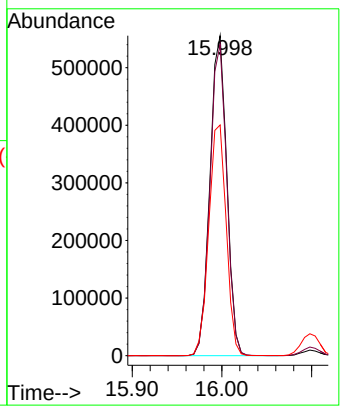


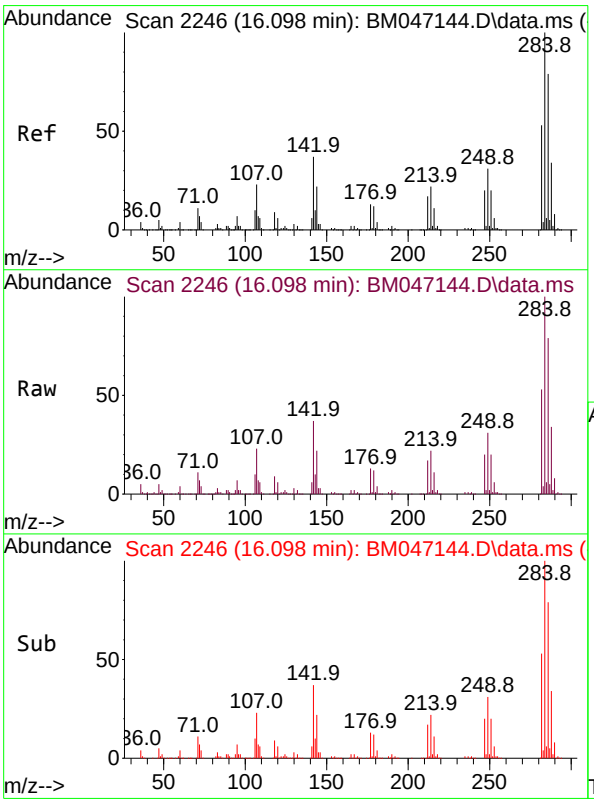
#67
4-Bromophenyl-phenylether
Concen: 39.608 ng
RT: 15.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 725772

Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.8	116.8
141	72.1	57.7	86.5

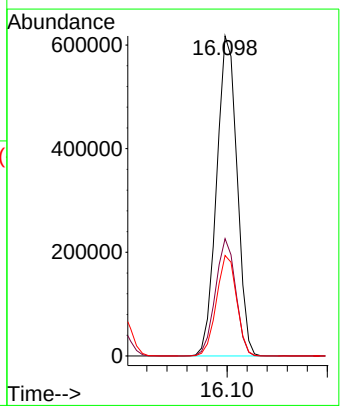


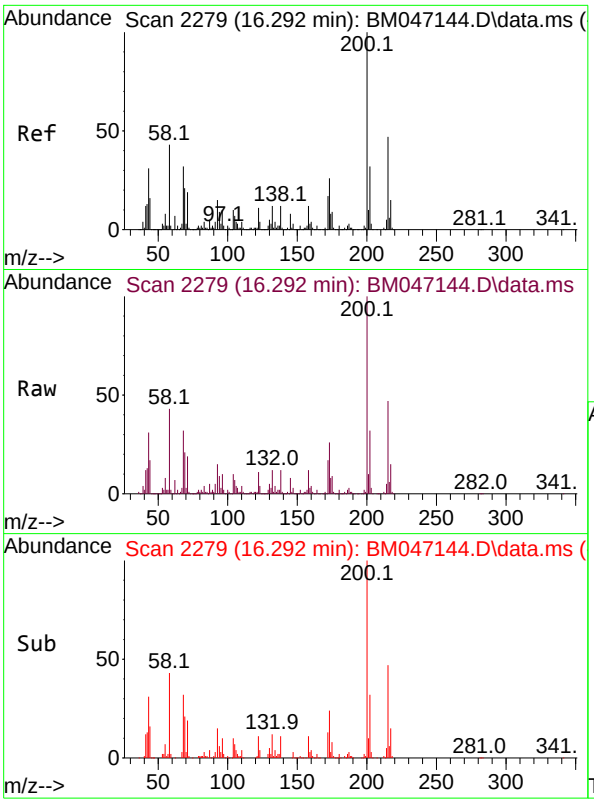


#68
Hexachlorobenzene
Concen: 39.667 ng
RT: 16.098 min Scan# 2246
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:284 Resp: 870505

Ion	Ratio	Lower	Upper
284	100		
142	36.7	29.4	44.0
249	31.4	25.1	37.7



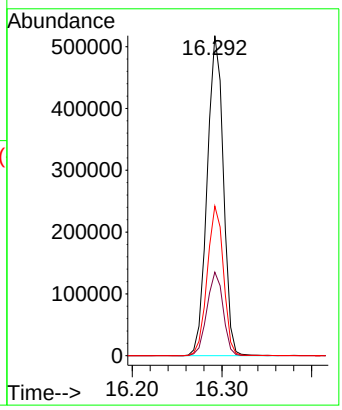


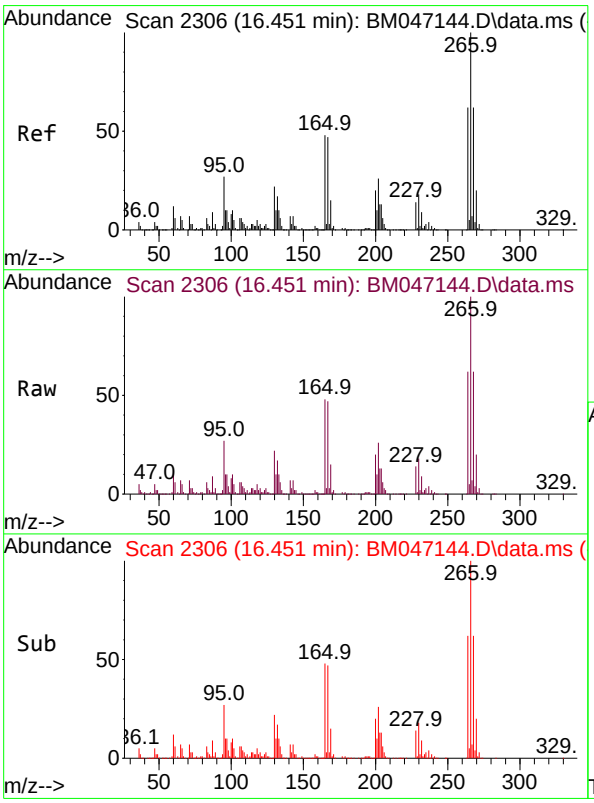
#69
Atrazine
Concen: 41.597 ng
RT: 16.292 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 648319

Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.1	46.1
215	46.8	26.8	66.8

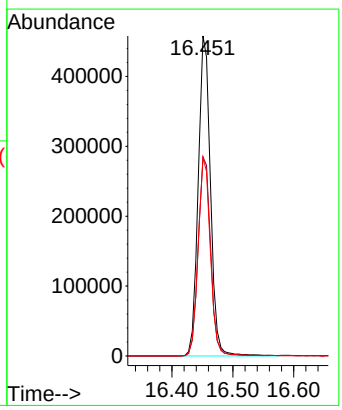


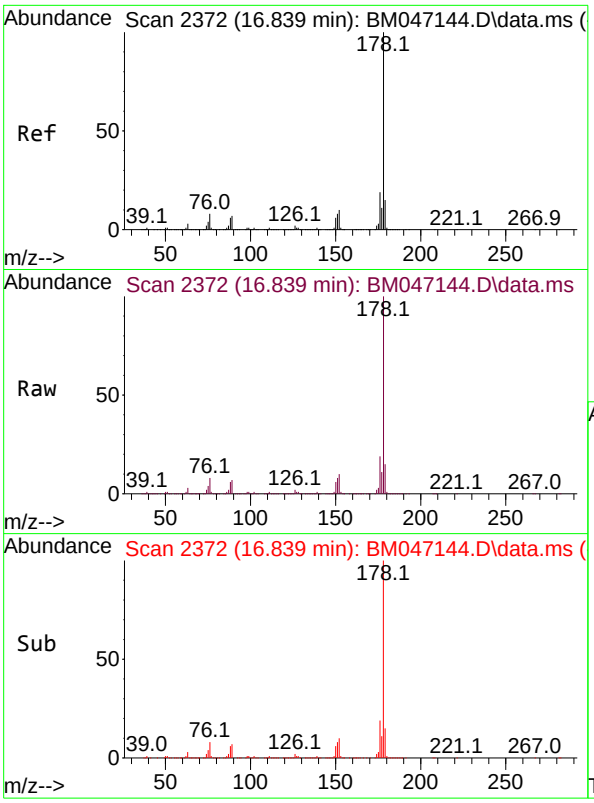


#70
Pentachlorophenol
Concen: 41.480 ng
RT: 16.451 min Scan# 2306
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:266 Resp: 638108

Ion	Ratio	Lower	Upper
266	100		
268	62.2	49.8	74.6
264	62.0	49.6	74.4



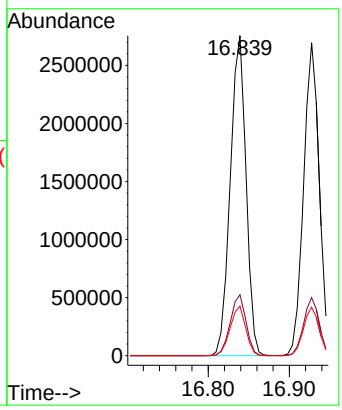


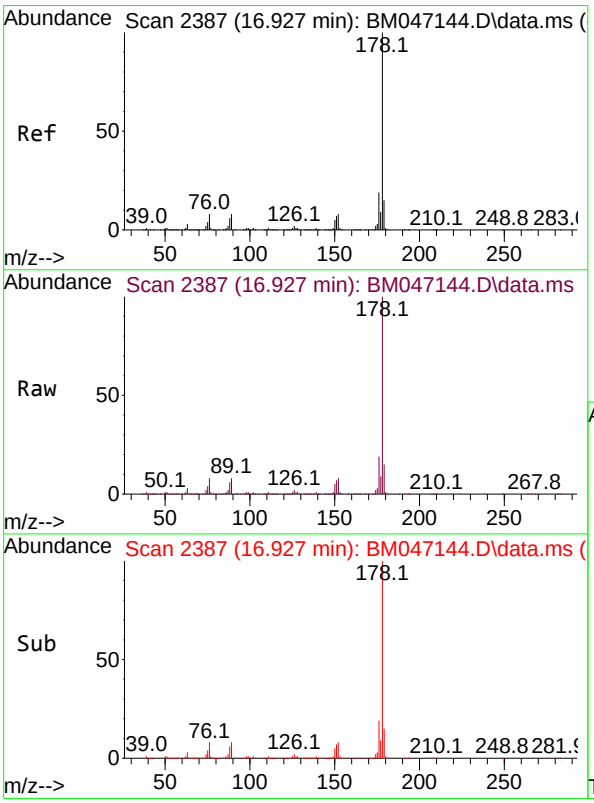
#71
Phenanthrene
Concen: 38.901 ng
RT: 16.839 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 3712379

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.5	12.4	18.6

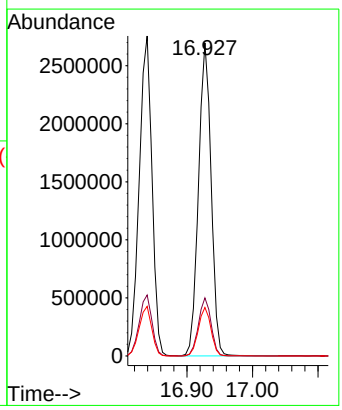


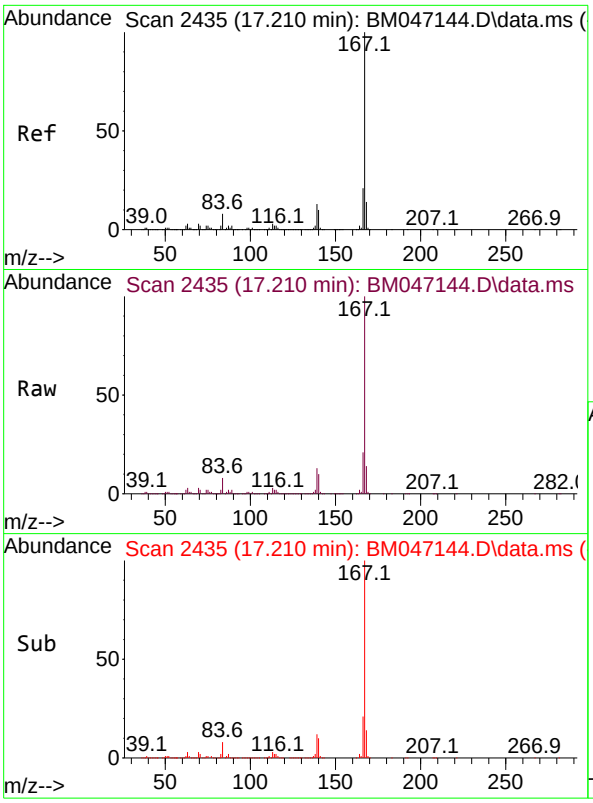


#72
Anthracene
Concen: 39.024 ng
RT: 16.927 min Scan# 2387
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:178 Resp: 3623679

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.5	12.4	18.6



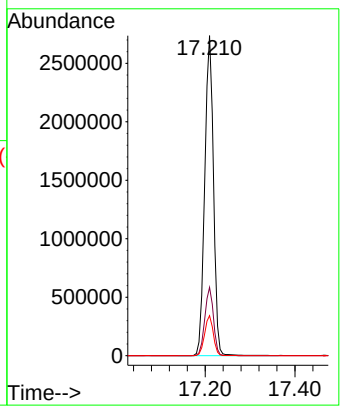


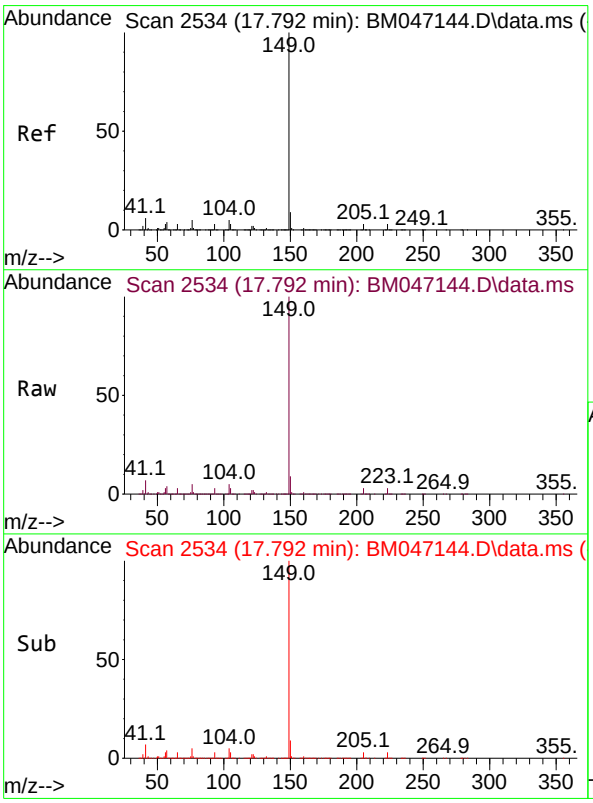
#73
Carbazole
Concen: 38.952 ng
RT: 17.210 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 3693008

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.5	10.0	15.0

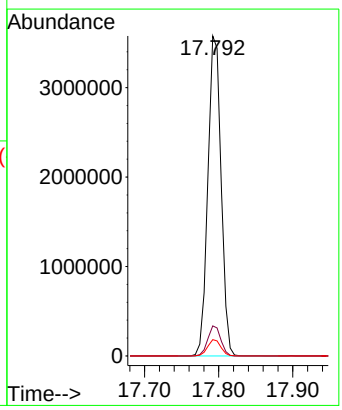


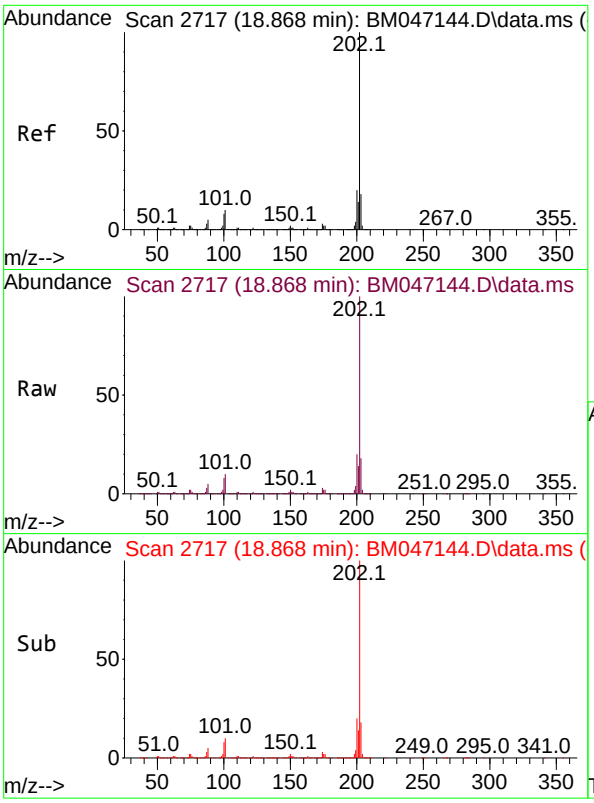


#74
Di-n-butylphthalate
Concen: 40.165 ng
RT: 17.792 min Scan# 2534
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:149 Resp: 4430949

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.1	4.1	6.1



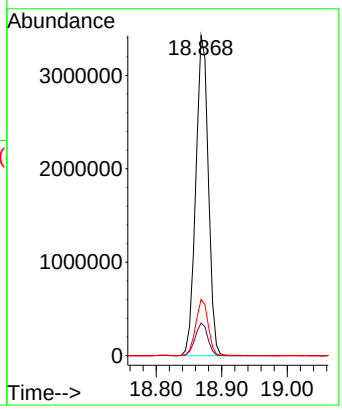


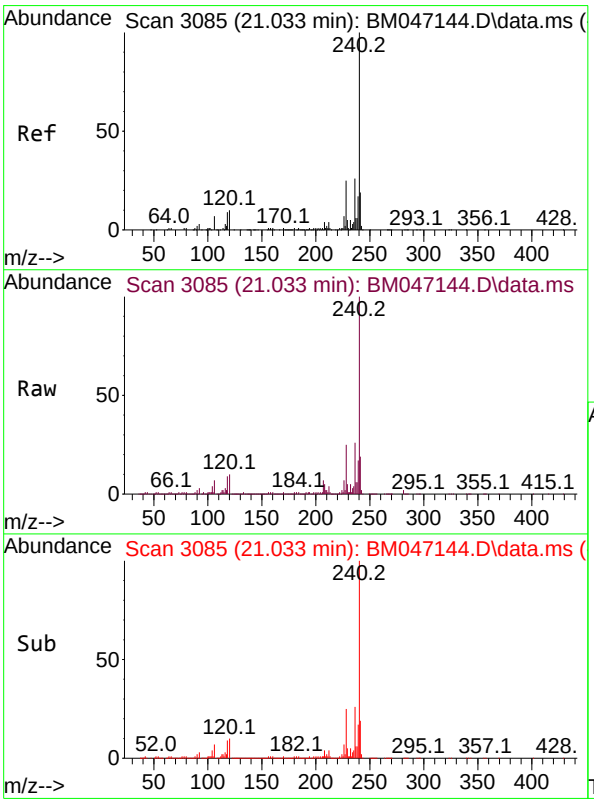
#75
Fluoranthene
Concen: 39.279 ng
RT: 18.868 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 4559377

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.2
203	17.6	0.0	37.6

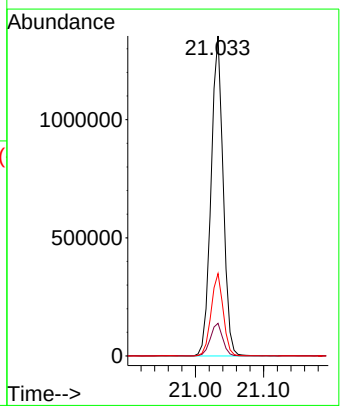


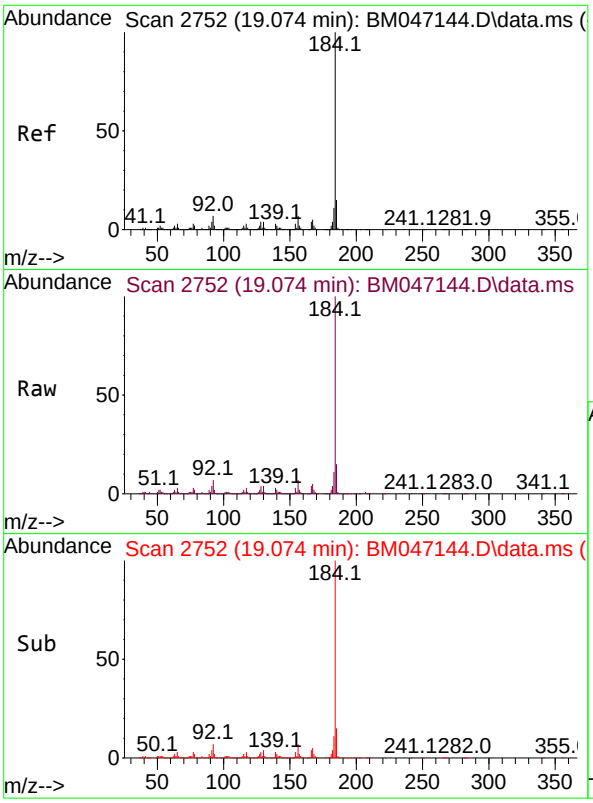


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.033 min Scan# 3085
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:240 Resp: 1674112

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.2	12.2
236	25.7	20.6	30.8



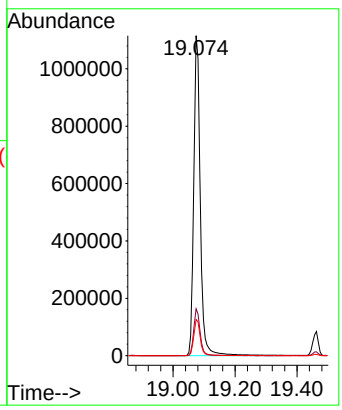


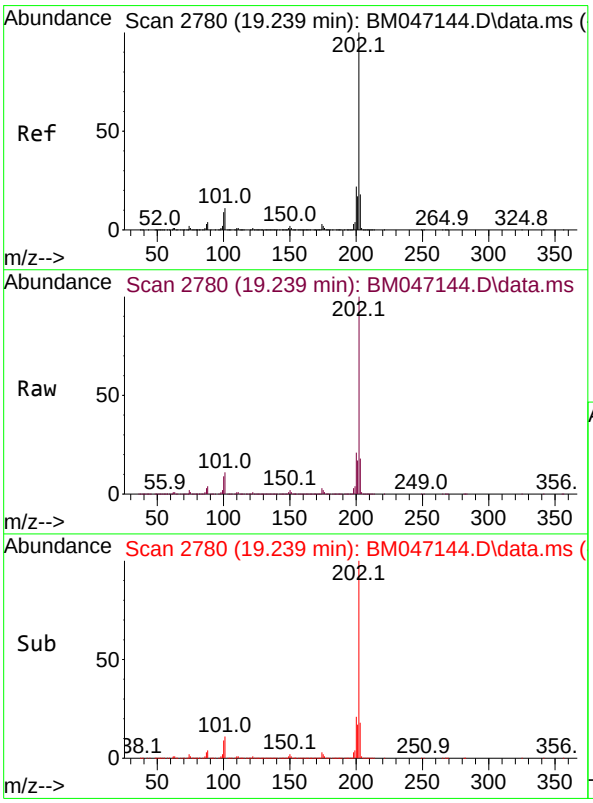
#77
Benzidine
Concen: 57.629 ng
RT: 19.074 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 1636101

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.8	17.6
183	11.3	9.0	13.6

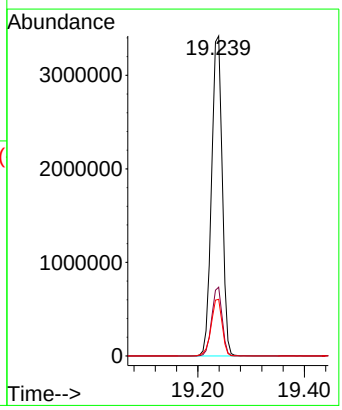


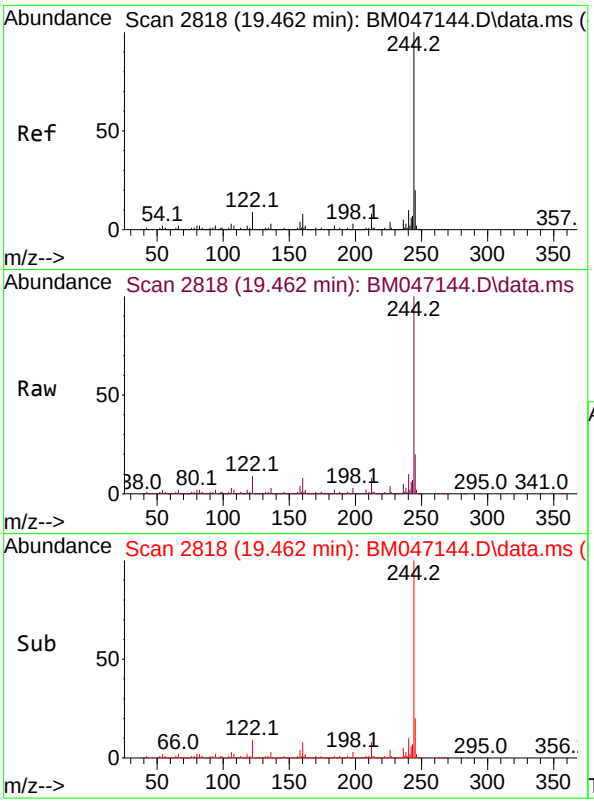


#78
Pyrene
Concen: 39.909 ng
RT: 19.239 min Scan# 2780
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:202 Resp: 4770524

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	17.7	14.2	21.2



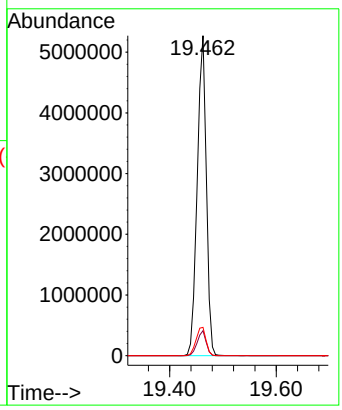


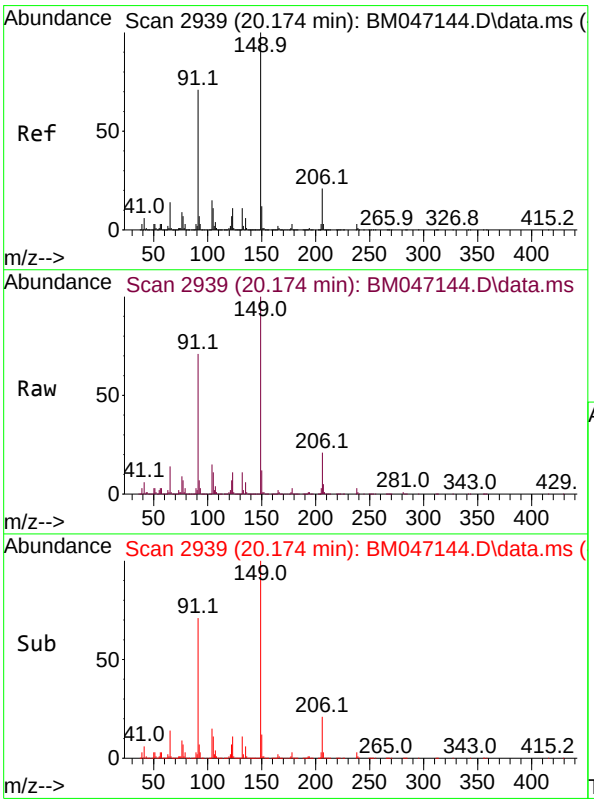
#79
Terphenyl-d14
Concen: 80.275 ng
RT: 19.462 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 6271744

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.4
122	8.9	7.1	10.7

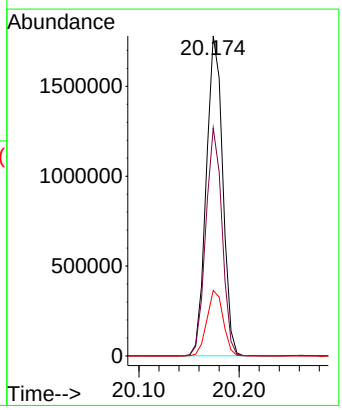


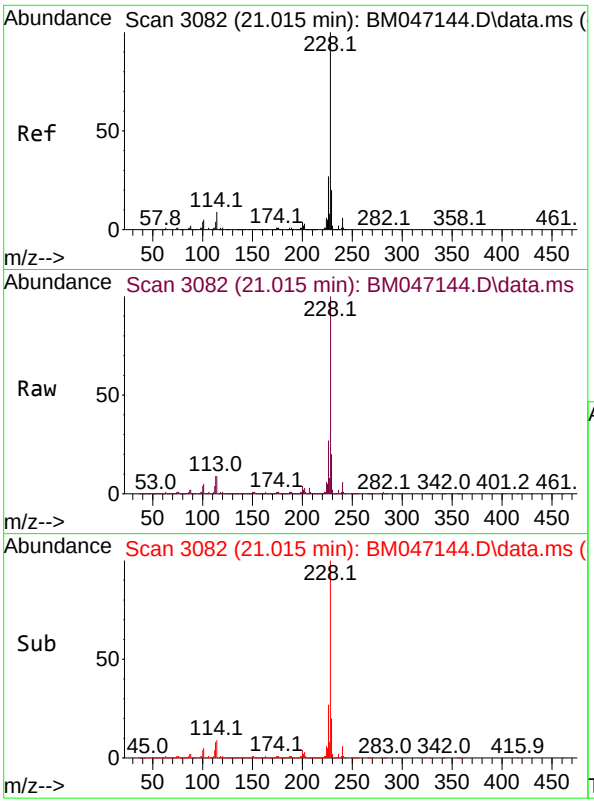


#80
Butylbenzylphthalate
Concen: 41.719 ng
RT: 20.174 min Scan# 2939
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:149 Resp: 2035184

Ion	Ratio	Lower	Upper
149	100		
91	71.2	57.0	85.4
206	20.5	16.4	24.6



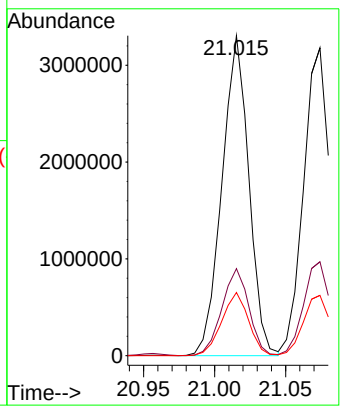


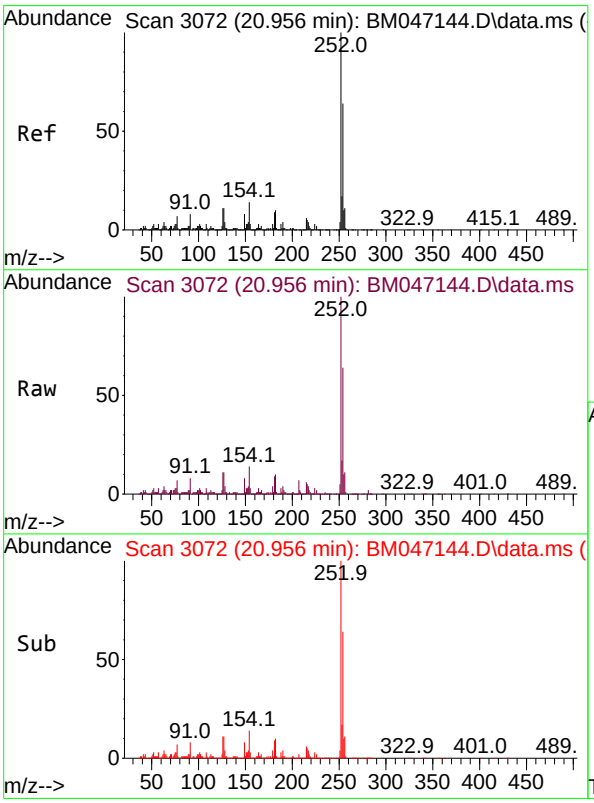
#81
Benzo(a)anthracene
Concen: 39.170 ng
RT: 21.015 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 4353304

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.6
229	19.8	15.8	23.8

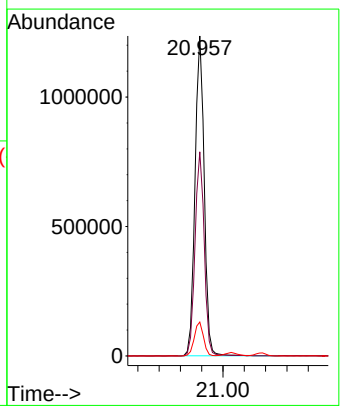


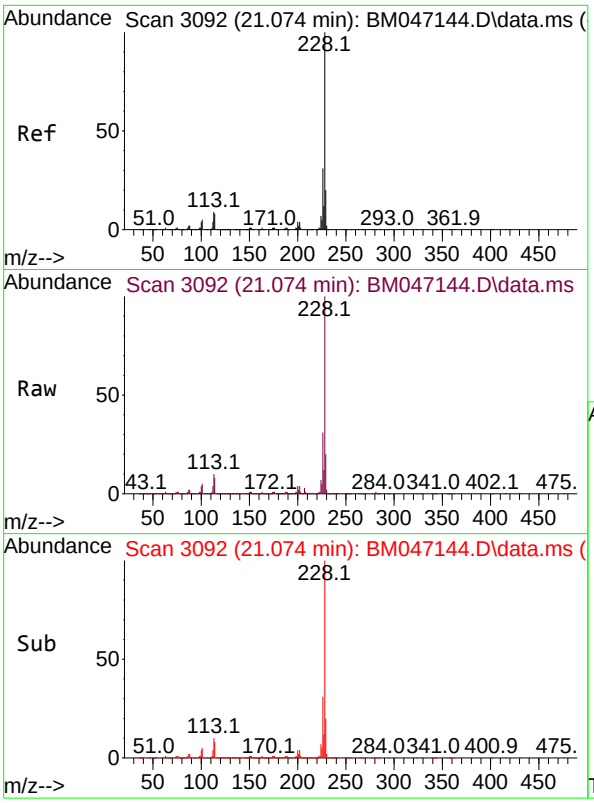


#82
3,3'-Dichlorobenzidine
Concen: 42.667 ng
RT: 20.956 min Scan# 3072
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:252 Resp: 1483651

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.0	76.6
126	10.6	8.5	12.7



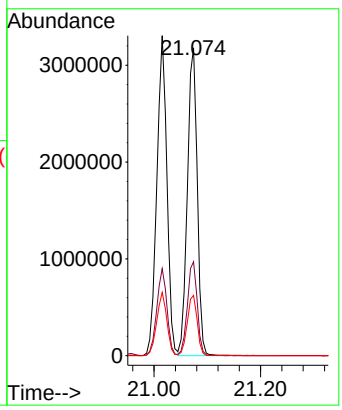


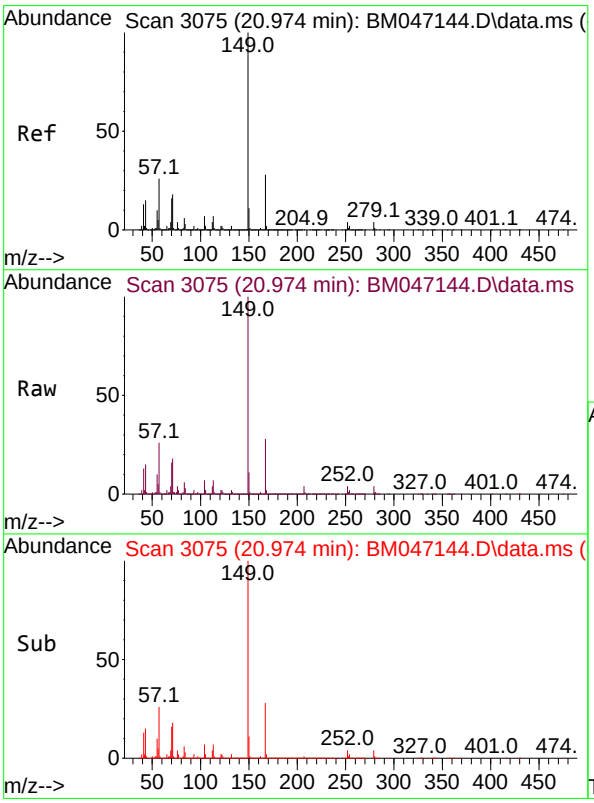
#83
Chrysene
Concen: 38.858 ng
RT: 21.074 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 4097336

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	19.6	15.7	23.5

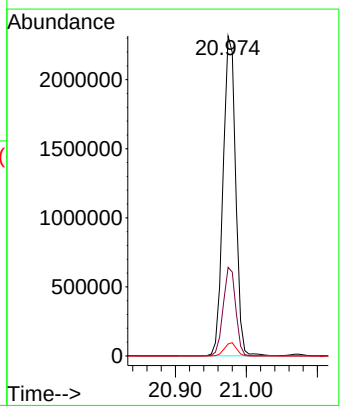


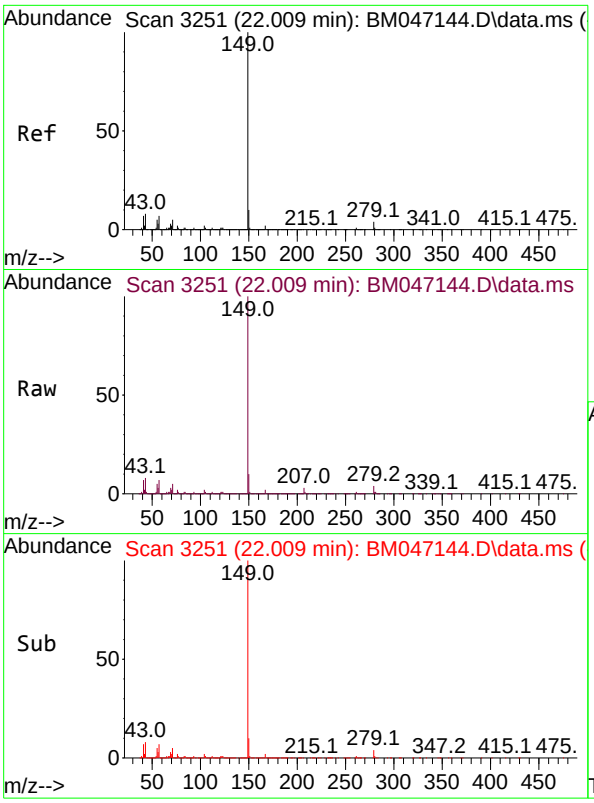


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.891 ng
RT: 20.974 min Scan# 3075
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:149 Resp: 2828936

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.2	33.2
279	3.7	3.0	4.4



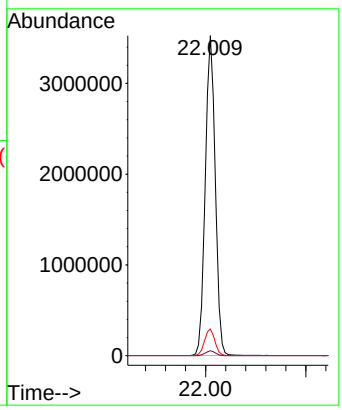


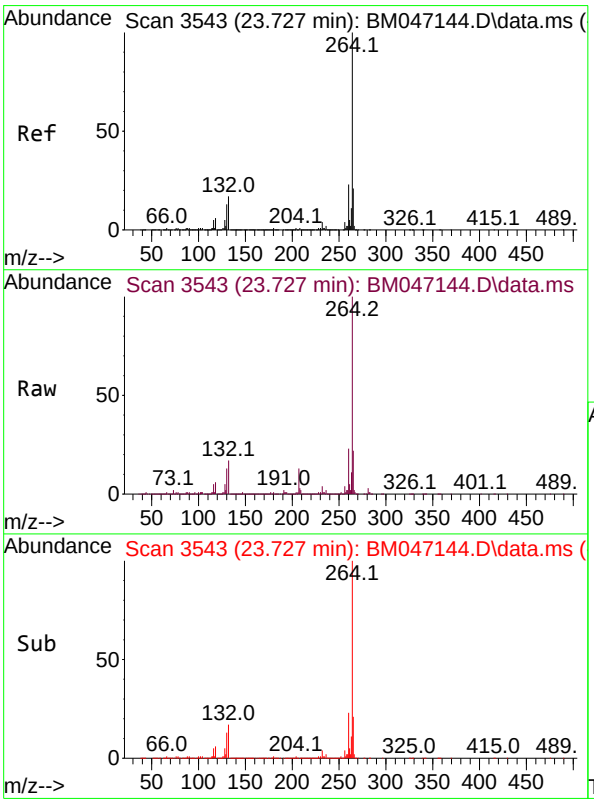
#85
Di-n-octyl phthalate
Concen: 41.489 ng
RT: 22.009 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 4878689

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.6	6.9	10.3

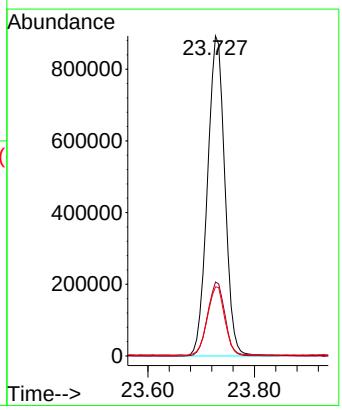


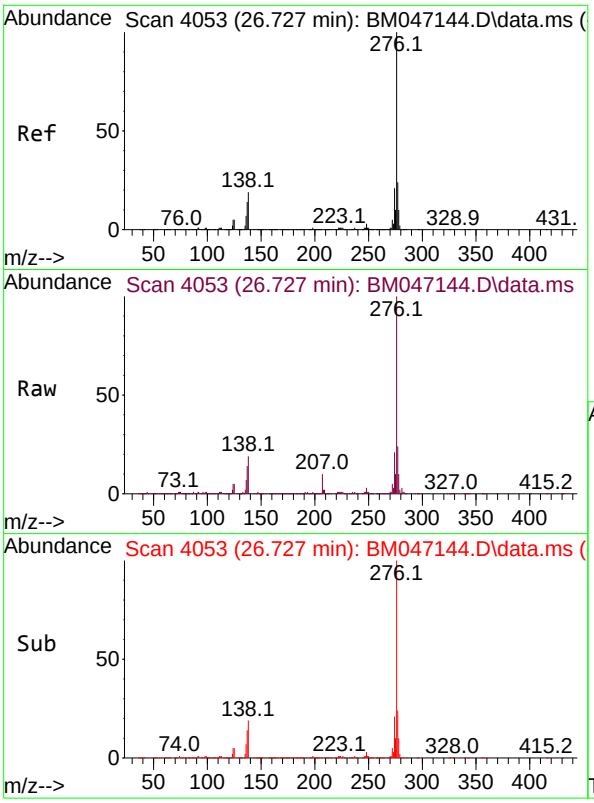


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3543
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:264 Resp: 2019244

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.6	17.3	25.9



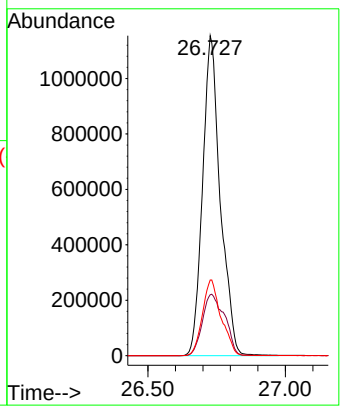


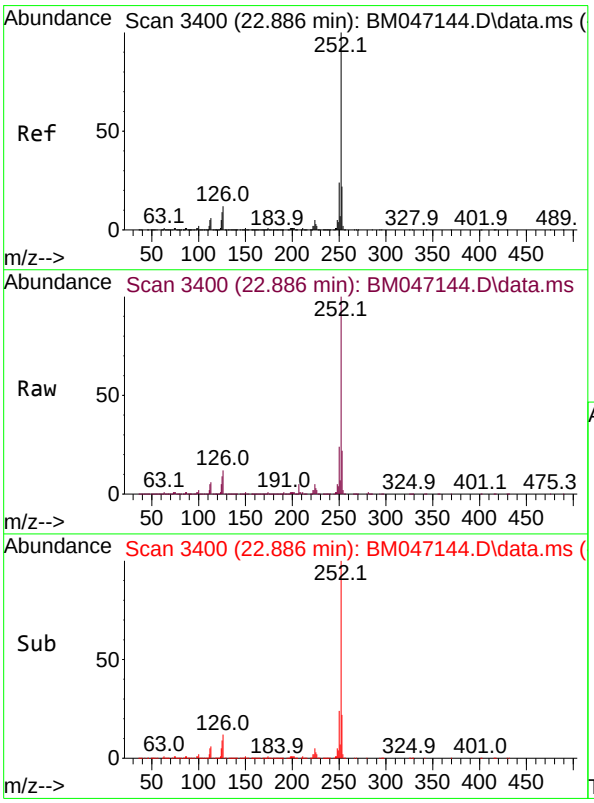
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.586 ng
RT: 26.727 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 5166805

Ion	Ratio	Lower	Upper
276	100		
138	24.2	19.4	29.0
277	25.1	20.1	30.1

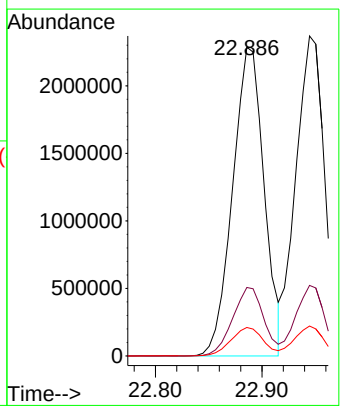


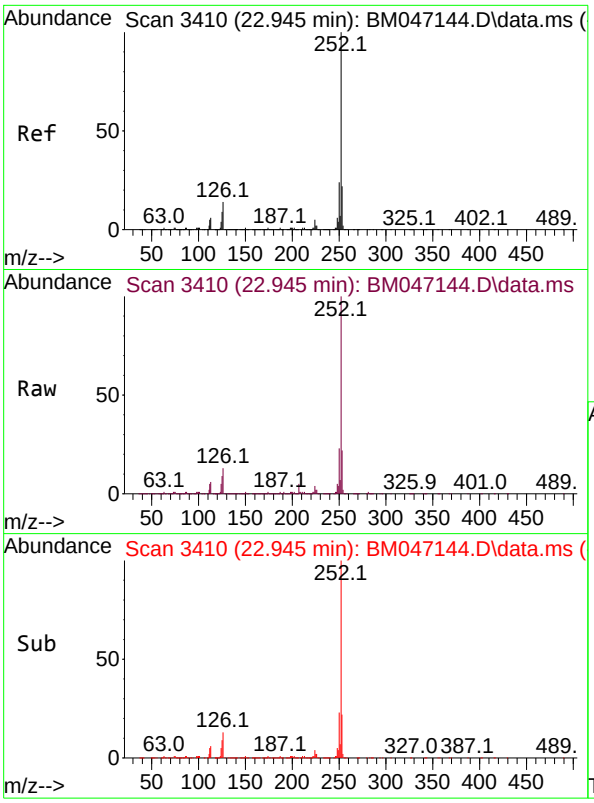


#88
Benzo(b)fluoranthene
Concen: 39.106 ng
RT: 22.886 min Scan# 3400
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:252 Resp: 4689366

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	9.2	7.4	11.0



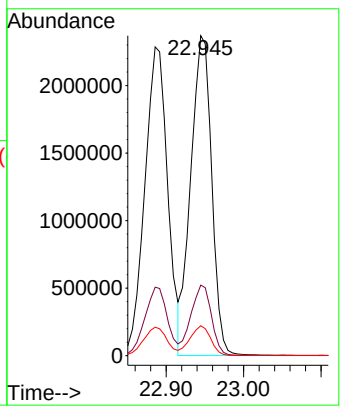


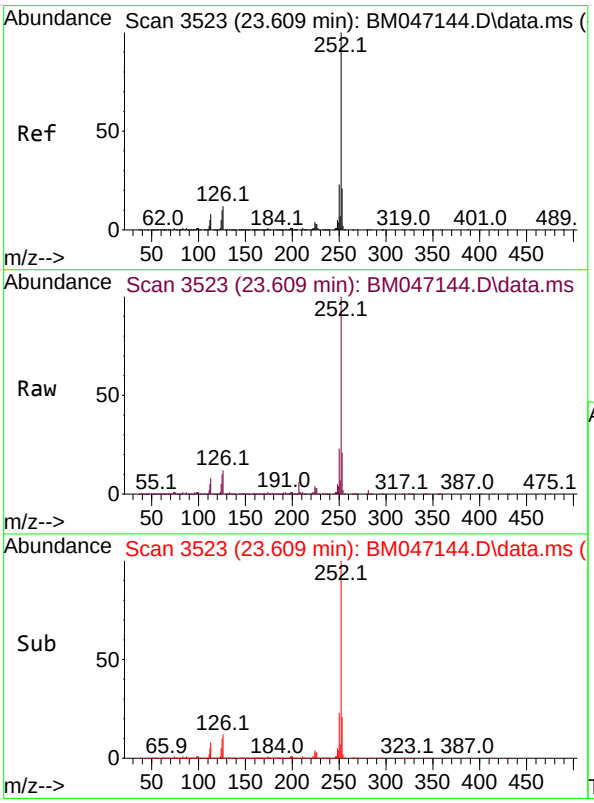
#89
Benzo(k)fluoranthene
Concen: 39.126 ng
RT: 22.945 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 4431625

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.3	7.4	11.2

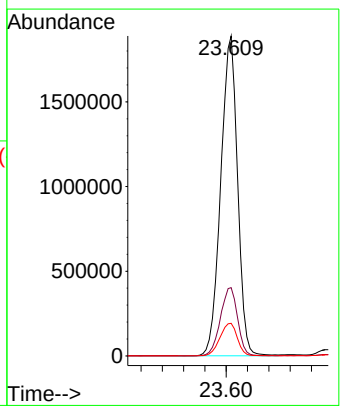


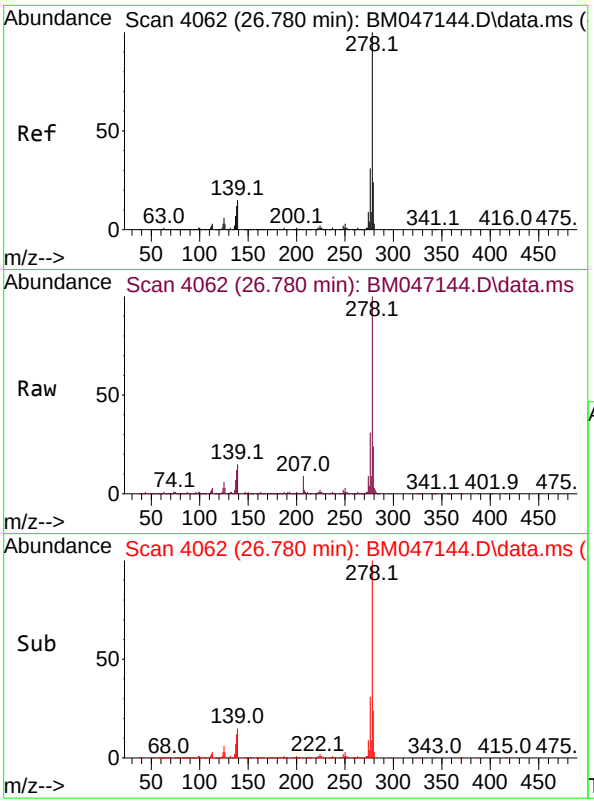


#90
Benzo(a)pyrene
Concen: 39.824 ng
RT: 23.609 min Scan# 3523
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:252 Resp: 4136829

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	10.2	8.2	12.2



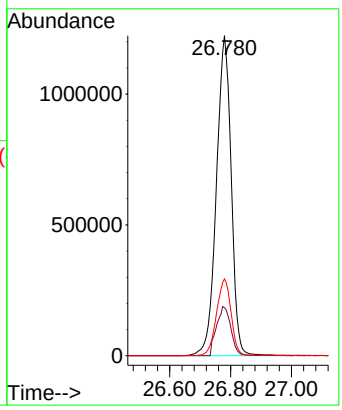


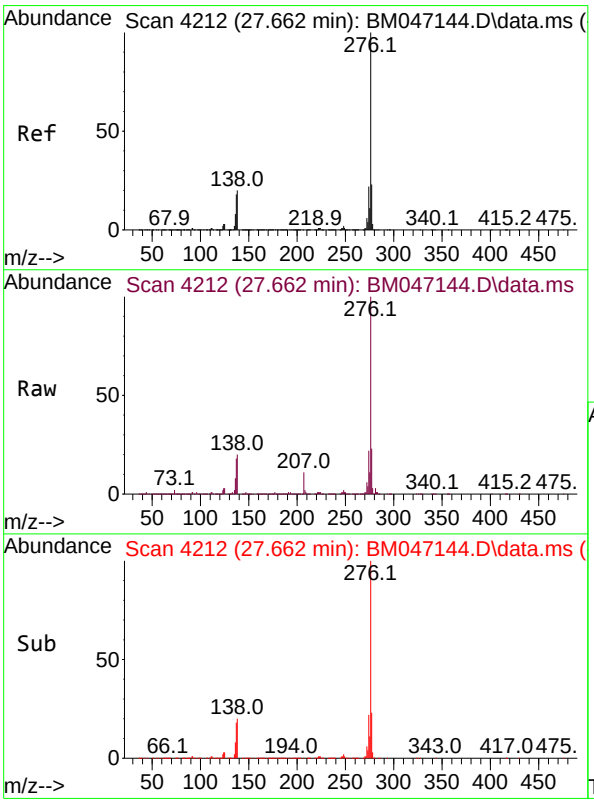
#91
Dibenzo(a,h)anthracene
Concen: 39.055 ng
RT: 26.780 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 4125251

Ion	Ratio	Lower	Upper
278	100		
139	15.0	12.0	18.0
279	24.0	19.2	28.8

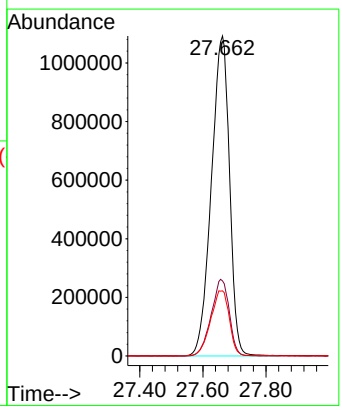




#92
Benzo(g,h,i)perylene
Concen: 39.636 ng
RT: 27.662 min Scan# 4212
Delta R.T. 0.000 min
Lab File: BM047144.D
Acq: 10 Aug 2024 15:51

Tgt Ion:276 Resp: 4346786

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	20.3	16.2	24.4



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047145.D
Acq On : 10 Aug 2024 16:31
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Aug 11 23:34:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.375	152	315091	20.000	ng	0.00
21) Naphthalene-d8	10.133	136	1281047	20.000	ng	0.00
39) Acenaphthene-d10	14.033	164	834055	20.000	ng	0.00
64) Phenanthrene-d10	16.792	188	1737042	20.000	ng	0.00
76) Chrysene-d12	21.033	240	1511494	20.000	ng	0.00
86) Perylene-d12	23.733	264	1841387	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.022	112	1654844	93.844	ng	0.00
7) Phenol-d6	6.587	99	2315558	95.298	ng	0.00
23) Nitrobenzene-d5	8.528	82	2421031	95.162	ng	0.00
42) 2,4,6-Tribromophenol	15.545	330	952366	98.476	ng	0.00
45) 2-Fluorobiphenyl	12.645	172	5200055	96.172	ng	0.00
79) Terphenyl-d14	19.462	244	7014667	99.443	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.034	88	343225	46.976	ng	98
3) Pyridine	3.410	79	1022963m	47.780	ng	
4) n-Nitrosodimethylamine	3.328	42	444430	47.479	ng	99
6) Aniline	6.728	93	1103960	48.069	ng	99
8) 2-Chlorophenol	6.951	128	918928	47.779	ng	99
9) Benzaldehyde	6.540	77	590756	53.942	ng	98
10) Phenol	6.616	94	1142509	47.123	ng	99
11) bis(2-Chloroethyl)ether	6.828	93	997816	48.057	ng	100
12) 1,3-Dichlorobenzene	7.263	146	1098474	48.063	ng	99
13) 1,4-Dichlorobenzene	7.410	146	1107084	47.843	ng	99
14) 1,2-Dichlorobenzene	7.722	146	1030619	47.204	ng	99
15) Benzyl Alcohol	7.628	79	847663	49.018	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.916	45	1272990	47.724	ng	100
17) 2-Methylphenol	7.834	107	786481	48.623	ng	99
18) Hexachloroethane	8.428	117	435333	48.568	ng	100
19) n-Nitroso-di-n-propyla...	8.192	70	759990	46.435	ng	99
20) 3+4-Methylphenols	8.163	107	1106673	48.940	ng	98
22) Acetophenone	8.198	105	1441742	46.625	ng	99
24) Nitrobenzene	8.569	77	1216089	47.470	ng	96
25) Isophorone	9.092	82	2139220	48.292	ng	100
26) 2-Nitrophenol	9.263	139	582500	51.343	ng	98
27) 2,4-Dimethylphenol	9.345	122	658437	49.545	ng	100
28) bis(2-Chloroethoxy)met...	9.575	93	1347358	48.339	ng	100
29) 2,4-Dichlorophenol	9.798	162	993725	50.395	ng	99
30) 1,2,4-Trichlorobenzene	9.998	180	1089421	48.819	ng	99
31) Naphthalene	10.180	128	3038911	47.619	ng	99
32) Benzoic acid	9.539	122	838043	53.976	ng	97
33) 4-Chloroaniline	10.310	127	1197445	48.793	ng	99
34) Hexachlorobutadiene	10.469	225	650107	49.773	ng	99
35) Caprolactam	11.127	113	344173	50.259	ng	99
36) 4-Chloro-3-methylphenol	11.457	107	1033238	49.201	ng	99
37) 2-Methylnaphthalene	11.810	142	2180425	47.987	ng	99
38) 1-Methylnaphthalene	12.033	142	2140830	47.673	ng	97
40) 1,2,4,5-Tetrachloroben...	12.186	216	1138431	50.043	ng	99
41) Hexachlorocyclopentadiene	12.163	237	415149	52.261	ng	100
43) 2,4,6-Trichlorophenol	12.445	196	821910	50.831	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047145.D
Acq On : 10 Aug 2024 16:31
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Aug 11 23:34:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

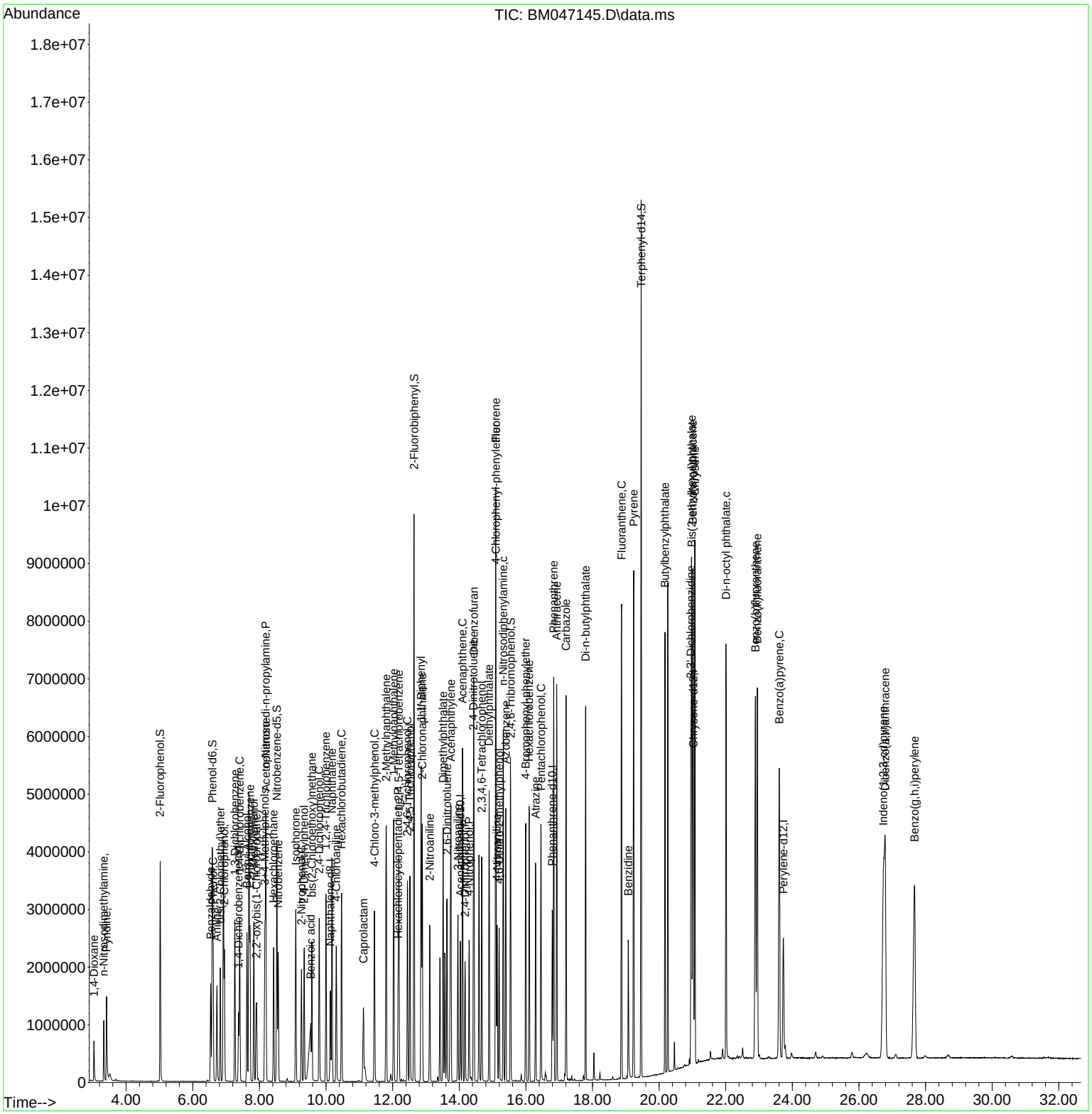
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.521	196	909210	50.644	ng	99
46) 1,1'-Biphenyl	12.857	154	2837162	47.782	ng	99
47) 2-Chloronaphthalene	12.892	162	2210354	47.627	ng	99
48) 2-Nitroaniline	13.116	65	733636	50.459	ng	98
49) Acenaphthylene	13.751	152	3284244	48.009	ng	100
50) Dimethylphthalate	13.516	163	2800312	48.073	ng	99
51) 2,6-Dinitrotoluene	13.633	165	679884	49.929	ng	95
52) Acenaphthene	14.098	154	2067281	47.640	ng	99
53) 3-Nitroaniline	13.963	138	683158	50.067	ng	100
54) 2,4-Dinitrophenol	14.174	184	424486	52.012	ng	99
55) Dibenzofuran	14.439	168	3249834	47.413	ng	100
56) 4-Nitrophenol	14.298	139	606437	51.542	ng	96
57) 2,4-Dinitrotoluene	14.427	165	917536	50.482	ng	100
58) Fluorene	15.098	166	2690806	47.578	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.674	232	738067	50.022	ng	99
60) Diethylphthalate	14.898	149	2846430	47.851	ng	100
61) 4-Chlorophenyl-phenyle...	15.104	204	1289728	47.901	ng	98
62) 4-Nitroaniline	15.139	138	661759	49.229	ng	99
63) Azobenzene	15.398	77	2669713	47.334	ng	98
65) 4,6-Dinitro-2-methylph...	15.198	198	545293	53.617	ng	99
66) n-Nitrosodiphenylamine	15.321	169	2285297	48.302	ng	100
67) 4-Bromophenyl-phenylether	15.998	248	831353	49.667	ng	99
68) Hexachlorobenzene	16.098	284	983119	49.041	ng	99
69) Atrazine	16.292	200	662204	46.512	ng	99
70) Pentachlorophenol	16.457	266	719505	51.201	ng	98
71) Phenanthrene	16.839	178	4199256	48.170	ng	100
72) Anthracene	16.927	178	4107556	48.425	ng	100
73) Carbazole	17.209	167	4142913	47.836	ng	100
74) Di-n-butylphthalate	17.798	149	4924066	48.863	ng	100
75) Fluoranthene	18.874	202	5120629	48.293	ng	99
77) Benzidine	19.074	184	1399934	54.615	ng	100
78) Pyrene	19.239	202	5342784	49.505	ng	99
80) Butylbenzylphthalate	20.180	149	2261582	51.348	ng	97
81) Benzo(a)anthracene	21.015	228	4879819	48.632	ng	100
82) 3,3'-Dichlorobenzidine	20.956	252	1613787	51.403	ng	100
83) Chrysene	21.074	228	4586625	48.178	ng	99
84) Bis(2-ethylhexyl)phtha...	20.980	149	3143788	50.331	ng	99
85) Di-n-octyl phthalate	22.009	149	5477285	51.591	ng	99
87) Indeno(1,2,3-cd)pyrene	26.732	276	5881591	49.416	ng	100
88) Benzo(b)fluoranthene	22.891	252	5425845	49.618	ng	99
89) Benzo(k)fluoranthene	22.950	252	4875078	47.199	ng	99
90) Benzo(a)pyrene	23.609	252	4657835	49.170	ng	99
91) Dibenzo(a,h)anthracene	26.785	278	4698026	48.774	ng	100
92) Benzo(g,h,i)perylene	27.668	276	4981580	49.812	ng	99

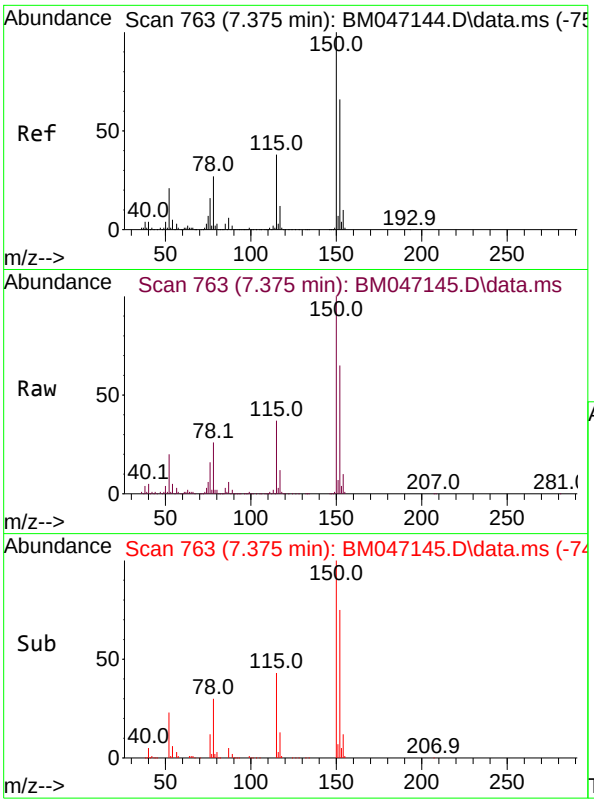
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047145.D
Acq On : 10 Aug 2024 16:31
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Aug 11 23:34:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration



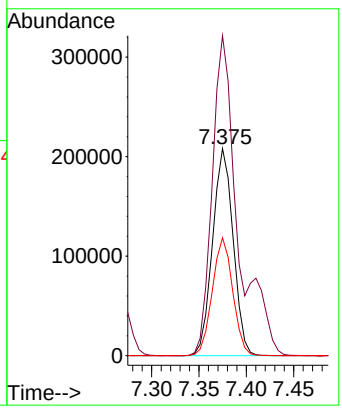


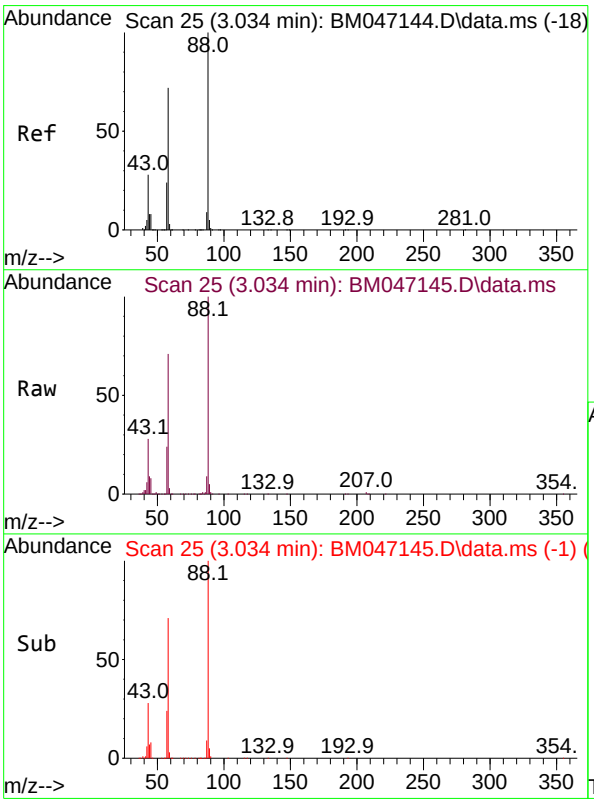
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7(
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 315091

Ion	Ratio	Lower	Upper
152	100		
150	154.4	120.5	180.7
115	56.9	45.5	68.3

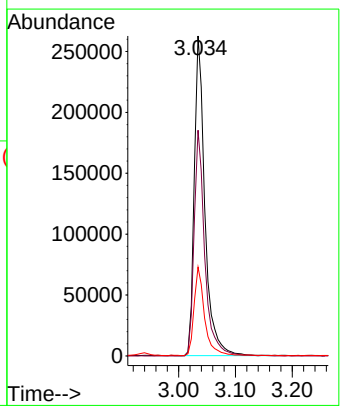


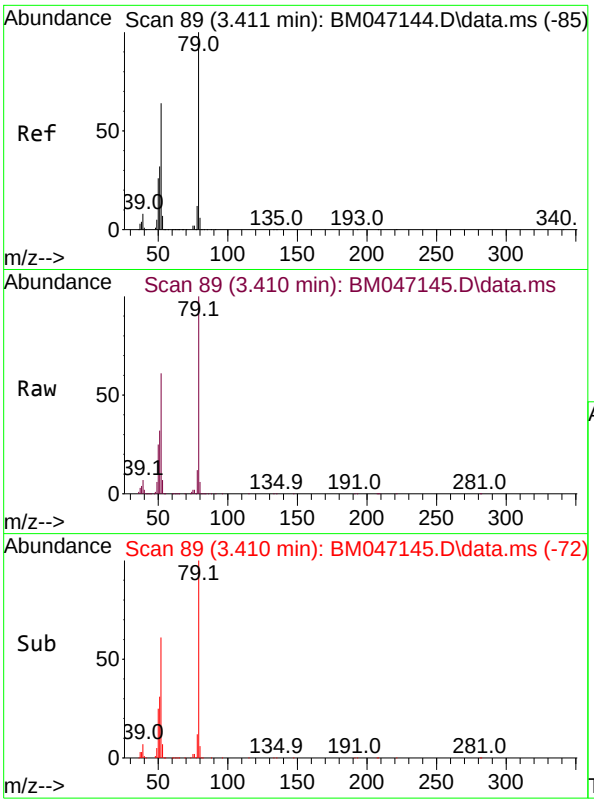


#2
1,4-Dioxane
Concen: 46.976 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion: 88 Resp: 343225

Ion	Ratio	Lower	Upper
88	100		
58	70.8	58.2	87.4
43	28.0	22.5	33.7



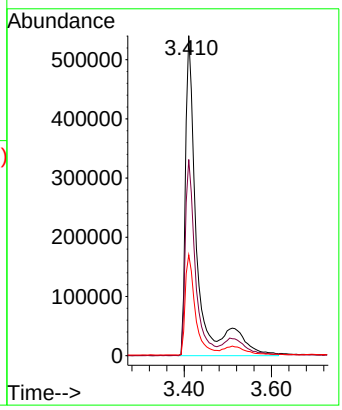


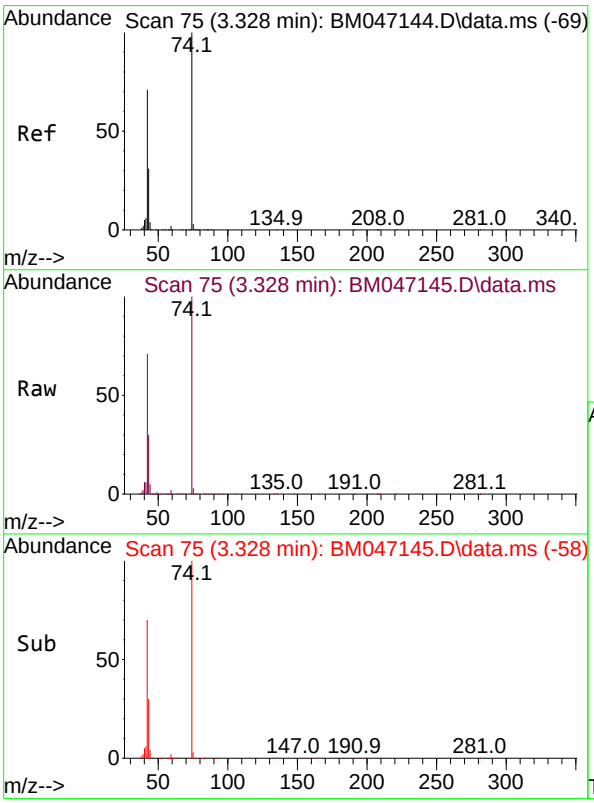
#3
Pyridine
Concen: 47.780 ng m
RT: 3.410 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 1022963

Ion	Ratio	Lower	Upper
79	100		
52	61.3	51.2	76.8
51	31.5	26.1	39.1

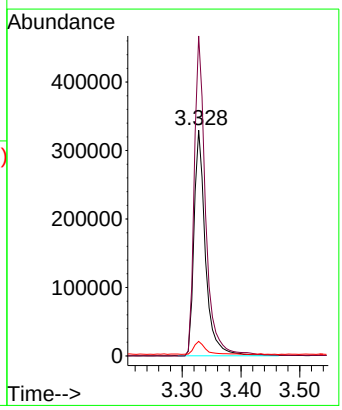


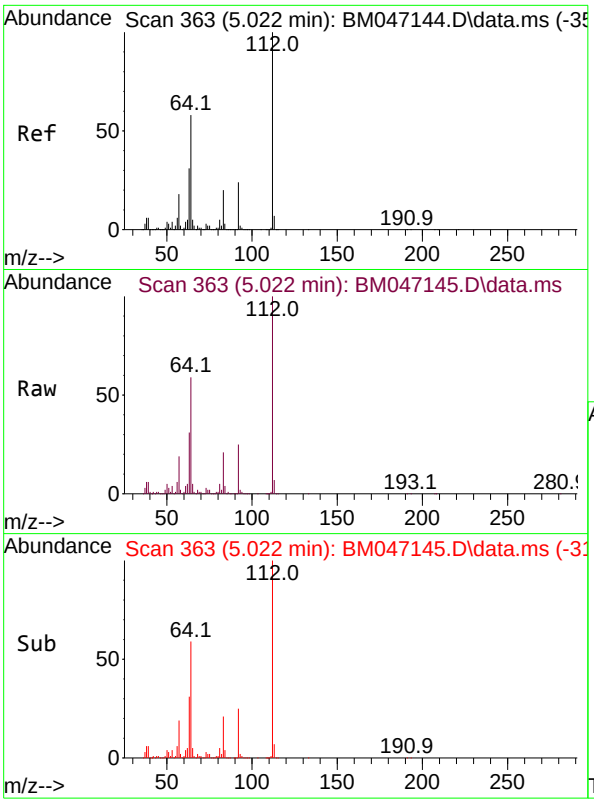


#4
n-Nitrosodimethylamine
Concen: 47.479 ng
RT: 3.328 min Scan# 75
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion: 42 Resp: 444430

Ion	Ratio	Lower	Upper
42	100		
74	141.7	112.9	169.3
44	6.4	5.3	7.9



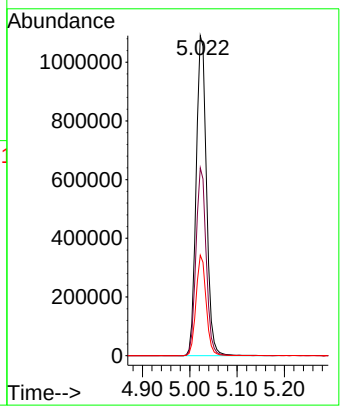


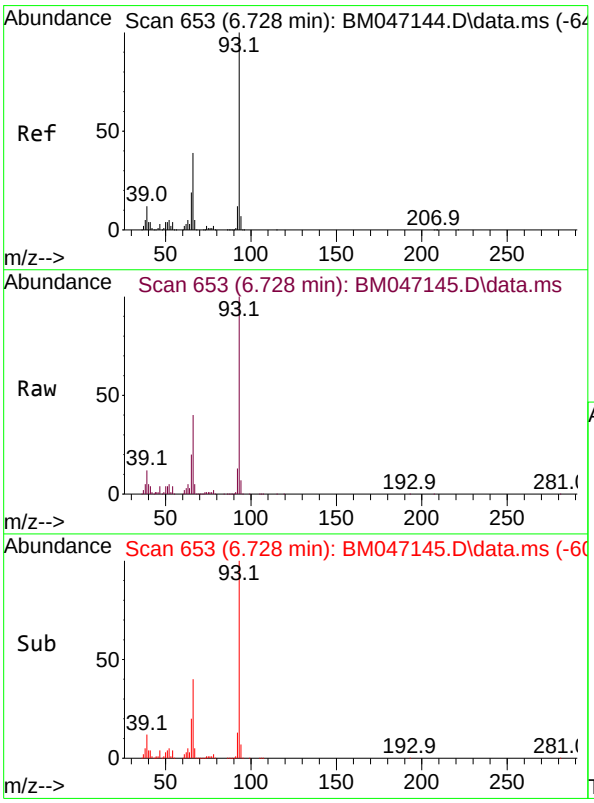
#5
2-Fluorophenol
Concen: 93.844 ng
RT: 5.022 min Scan# 3(
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1654844

Ion	Ratio	Lower	Upper
112	100		
64	58.7	46.7	70.1
63	31.4	24.8	37.2

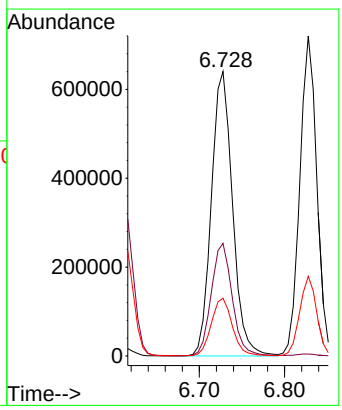


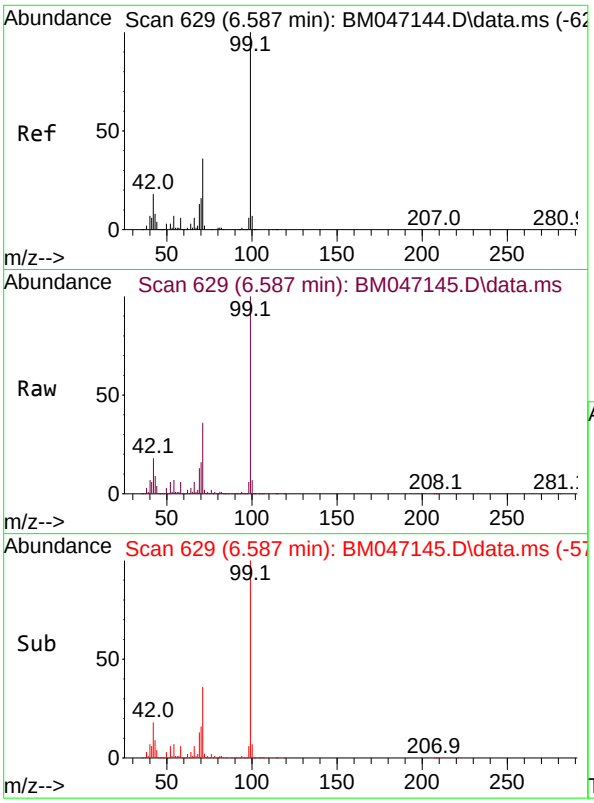


#6
Aniline
Concen: 48.069 ng
RT: 6.728 min Scan# 653
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion: 93 Resp: 1103960

Ion	Ratio	Lower	Upper
93	100		
66	39.6	31.4	47.2
65	20.3	15.6	23.4



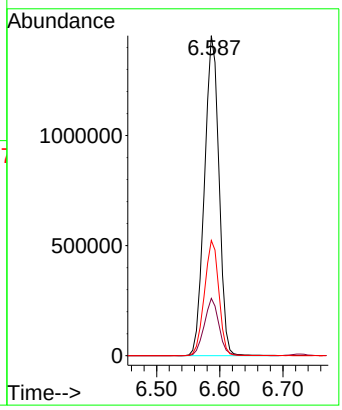


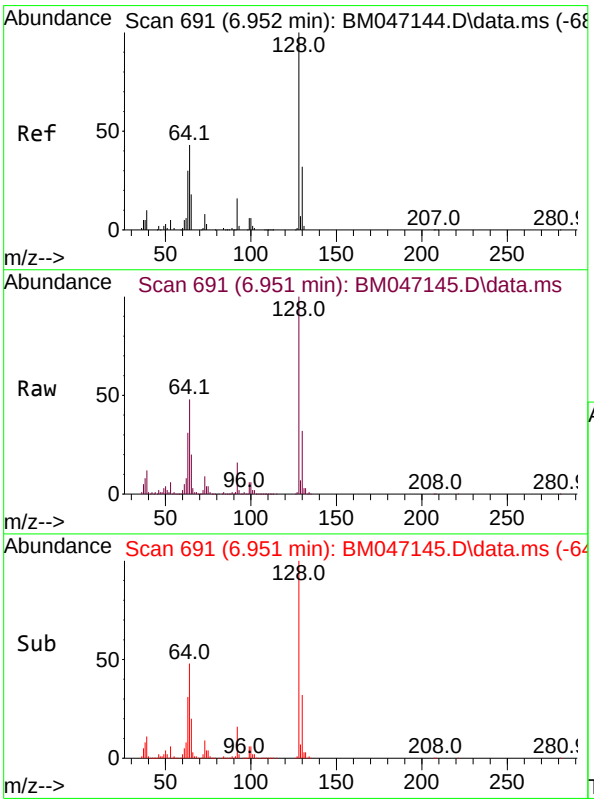
#7
Phenol-d6
Concen: 95.298 ng
RT: 6.587 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 2315558

Ion	Ratio	Lower	Upper
99	100		
42	17.9	14.1	21.1
71	36.0	28.5	42.7

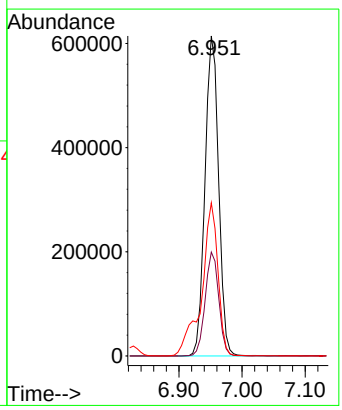


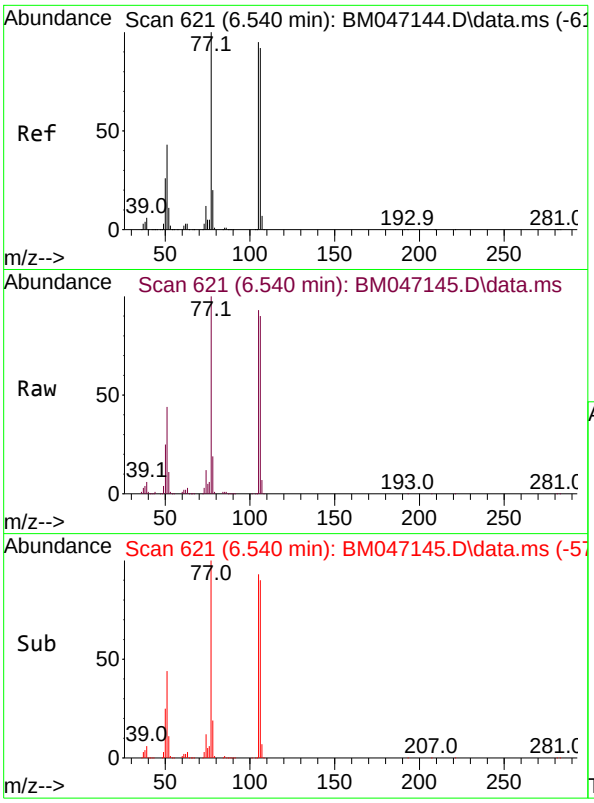


#8
2-Chlorophenol
Concen: 47.779 ng
RT: 6.951 min Scan# 691
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:128 Resp: 918928

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.1	52.1
64	47.8	26.6	66.6



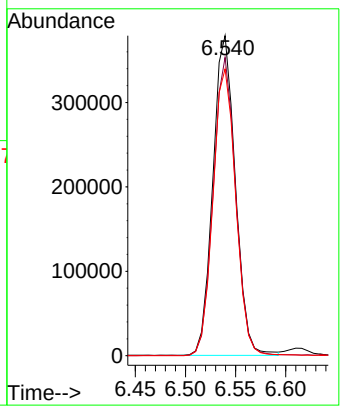


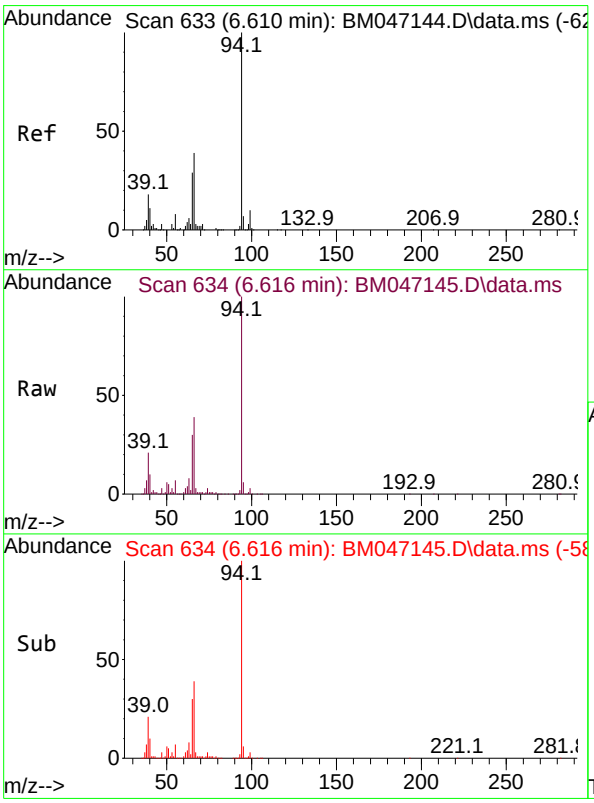
#9
Benzaldehyde
Concen: 53.942 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 590756

Ion	Ratio	Lower	Upper
77	100		
105	93.2	74.5	114.5
106	89.6	72.3	112.3

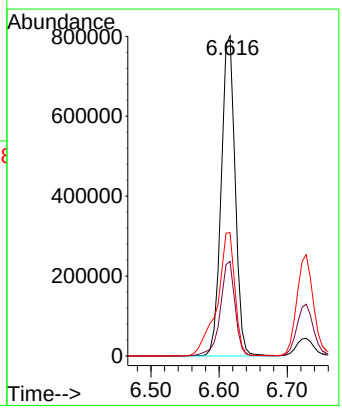


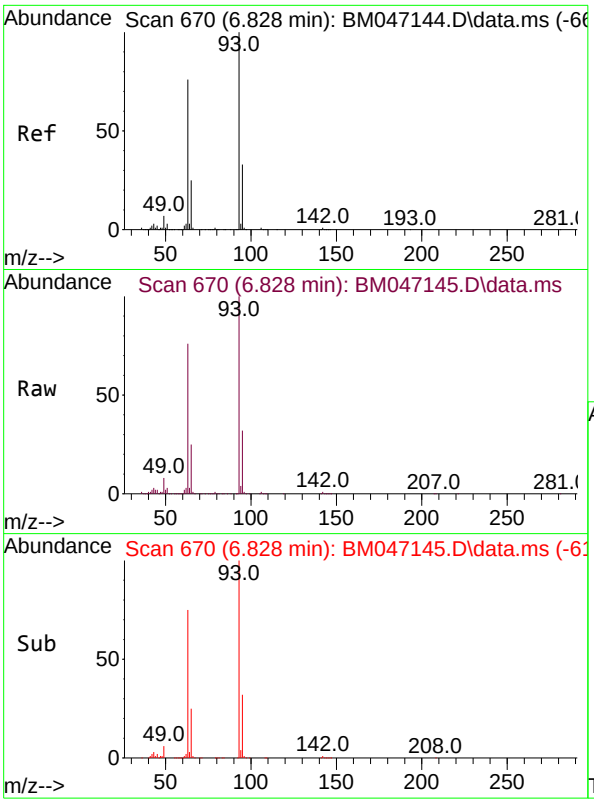


#10
Phenol
Concen: 47.123 ng
RT: 6.616 min Scan# 634
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion: 94 Resp: 1142509

Ion	Ratio	Lower	Upper
94	100		
65	29.5	9.0	49.0
66	38.5	18.9	58.9



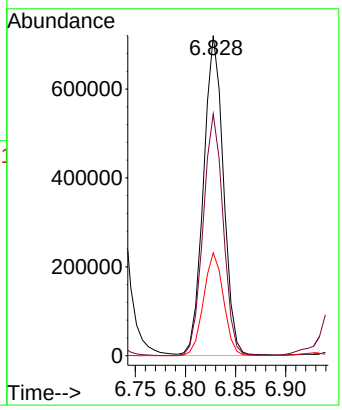


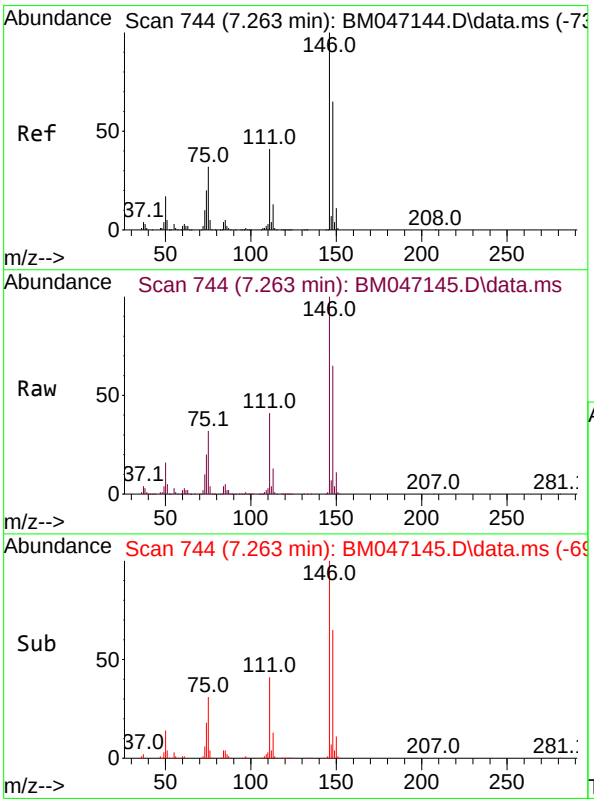
#11
bis(2-Chloroethyl)ether
Concen: 48.057 ng
RT: 6.828 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 997816

Ion	Ratio	Lower	Upper
93	100		
63	75.5	55.8	95.8
95	32.2	12.7	52.7

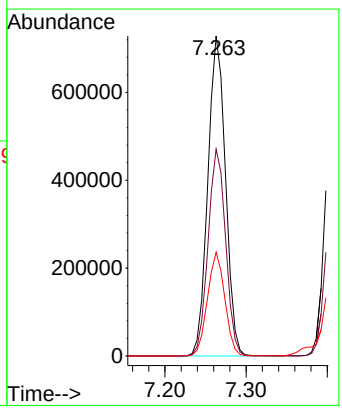


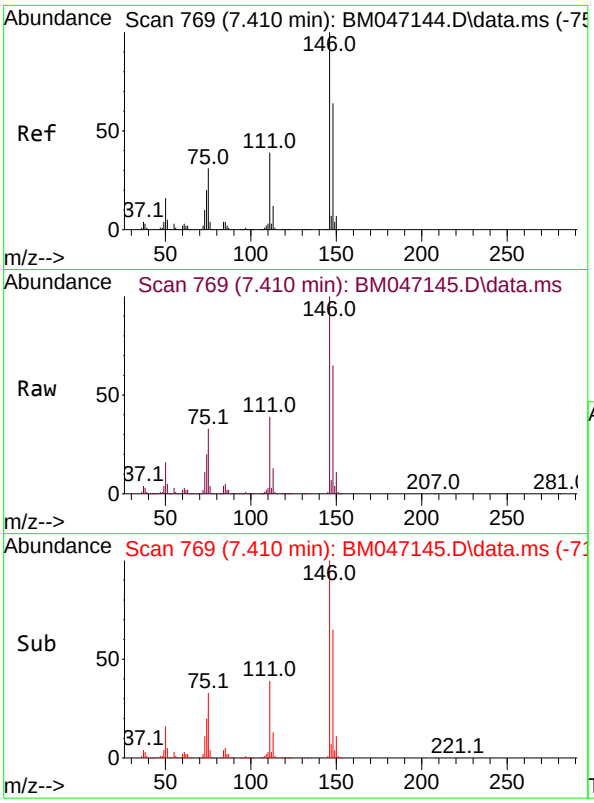


#12
1,3-Dichlorobenzene
Concen: 48.063 ng
RT: 7.263 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:146 Resp: 1098474

Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.3	78.5
75	32.4	25.8	38.6



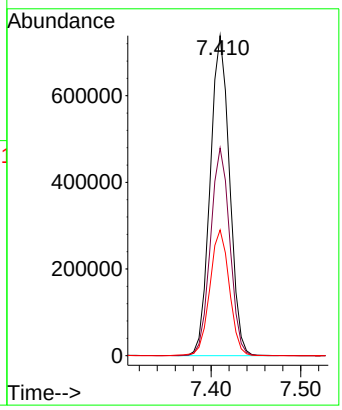


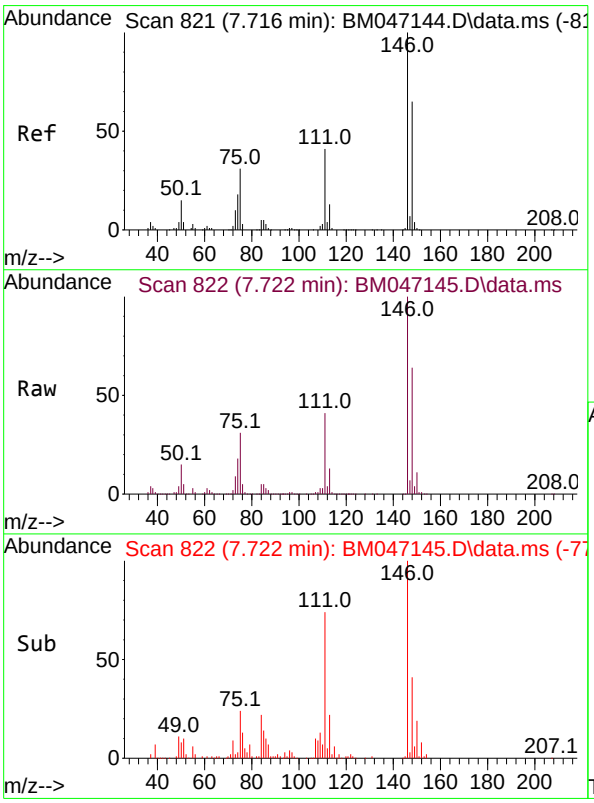
#13
1,4-Dichlorobenzene
Concen: 47.843 ng
RT: 7.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 1107084

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.4	77.2
111	39.3	31.5	47.3

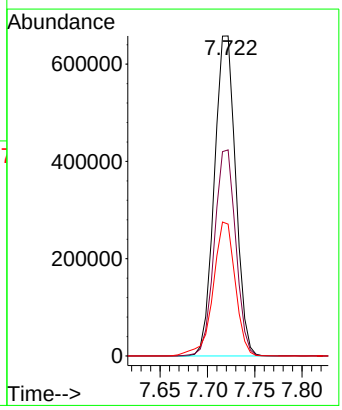


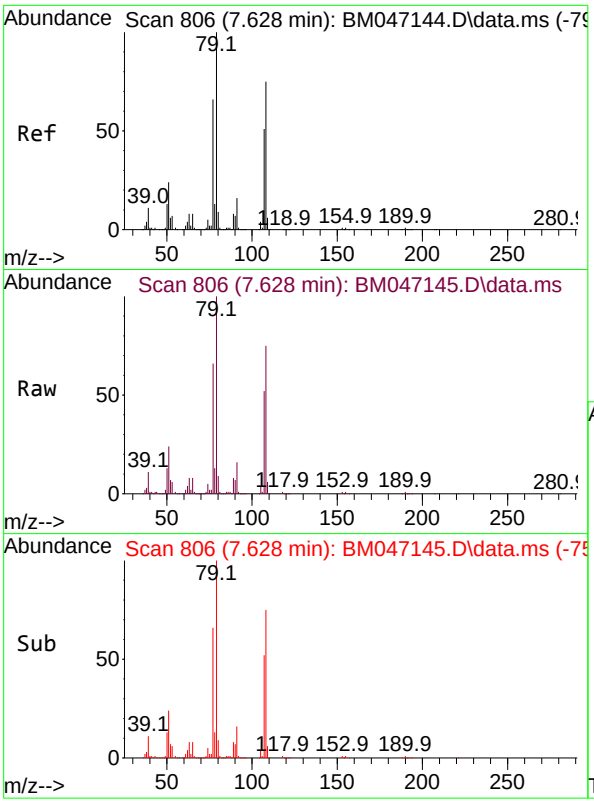


#14
1,2-Dichlorobenzene
Concen: 47.204 ng
RT: 7.722 min Scan# 822
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:146 Resp: 1030619

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.8	77.8
111	41.2	33.3	49.9



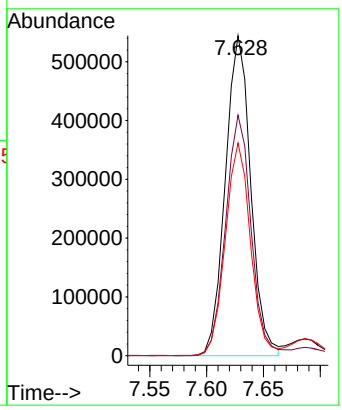


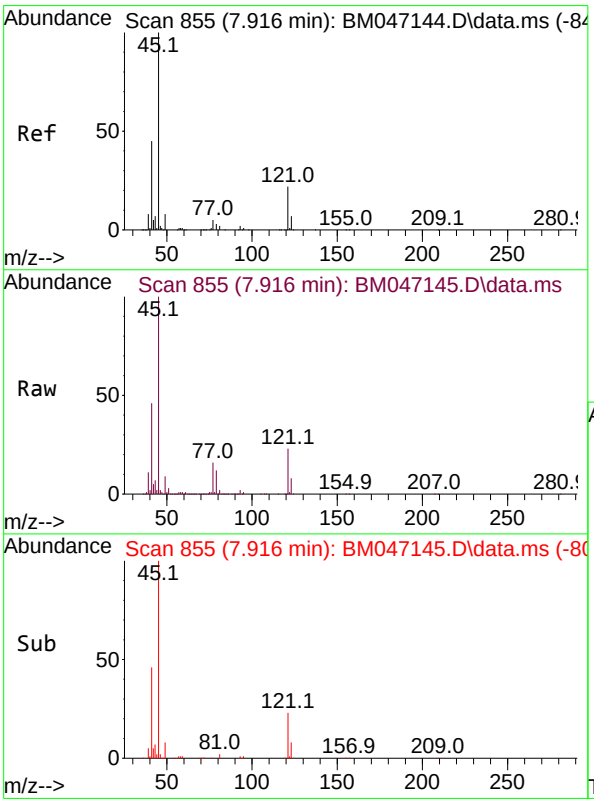
#15
Benzyl Alcohol
Concen: 49.018 ng
RT: 7.628 min Scan# 80
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 847663

Ion	Ratio	Lower	Upper
79	100		
108	75.2	59.7	89.5
77	66.5	52.9	79.3

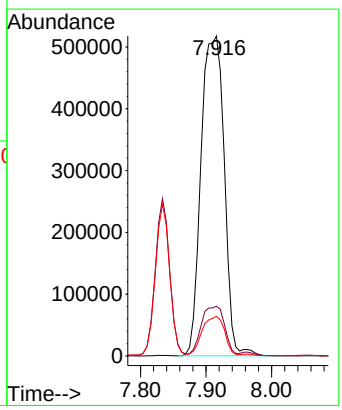


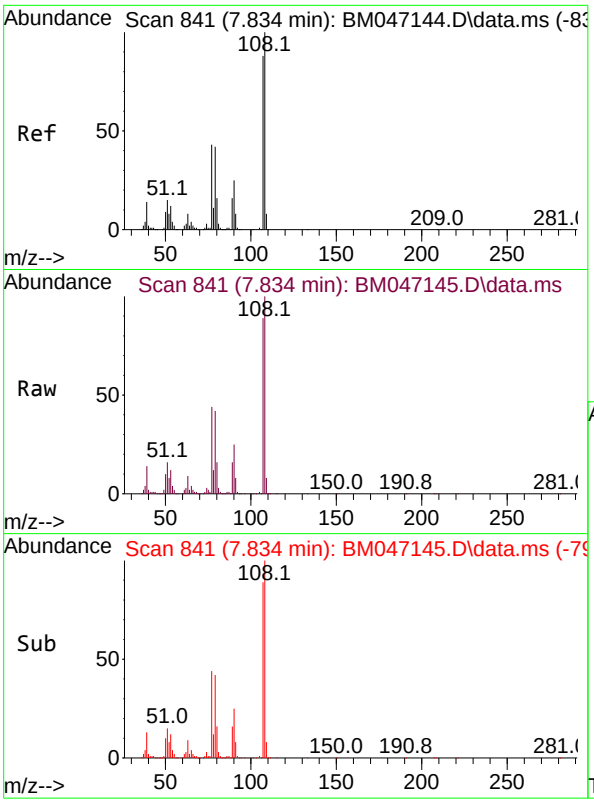


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.724 ng
RT: 7.916 min Scan# 855
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion: 45 Resp: 1272990

Ion	Ratio	Lower	Upper
45	100		
77	15.6	0.0	35.6
79	12.4	0.0	32.4



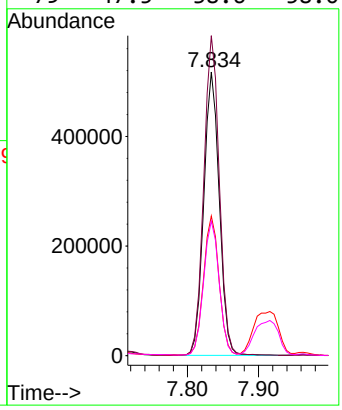


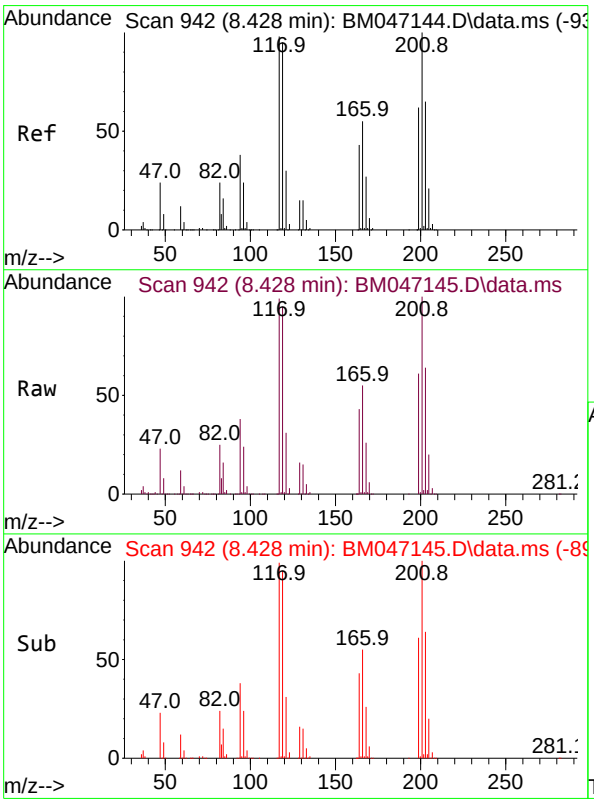
#17
2-Methylphenol
Concen: 48.623 ng
RT: 7.834 min Scan# 84
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 786481

Ion	Ratio	Lower	Upper
107	100		
108	112.8	90.6	135.8
77	49.2	39.3	58.9
79	47.5	38.6	58.0

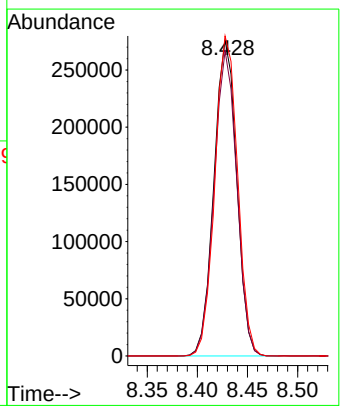


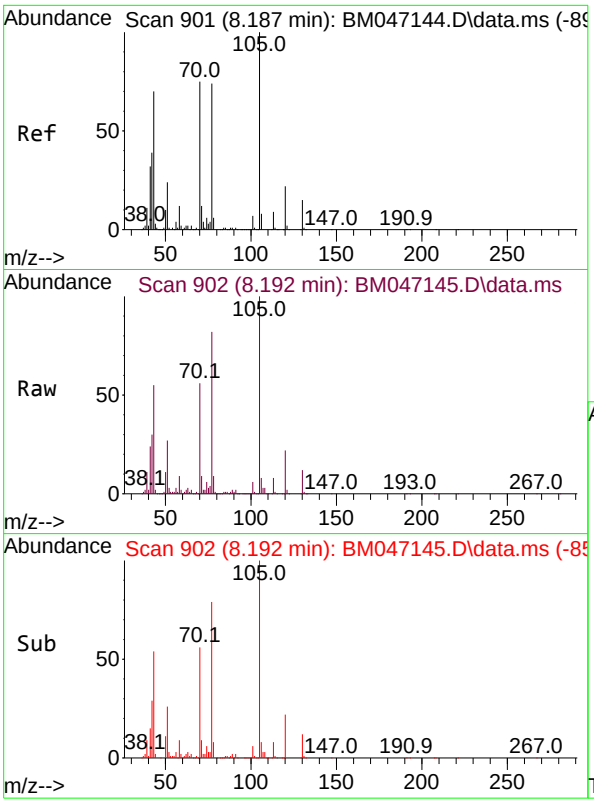


#18
Hexachloroethane
Concen: 48.568 ng
RT: 8.428 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:117 Resp: 435333

Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.0	115.4
201	101.4	81.3	121.9



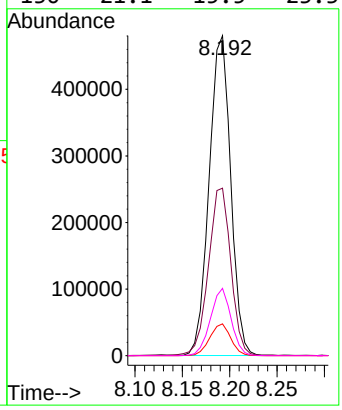


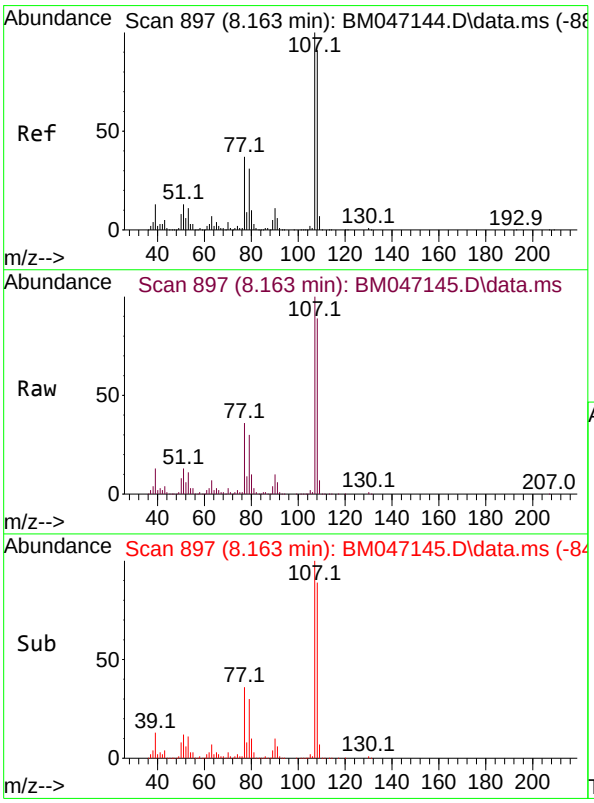
#19
n-Nitroso-di-n-propylamine
Concen: 46.435 ng
RT: 8.192 min Scan# 9(
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 759990

Ion	Ratio	Lower	Upper
70	100		
42	52.4	42.0	63.0
101	10.0	7.2	10.8
130	21.1	15.5	23.3

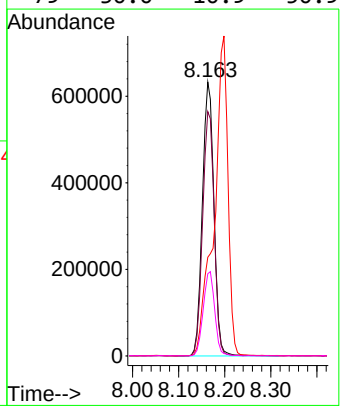


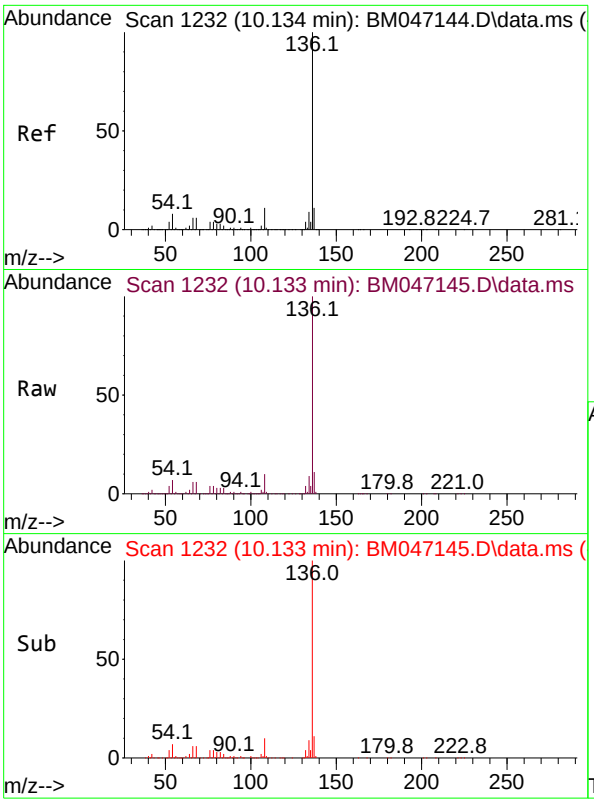


#20
3+4-Methylphenols
Concen: 48.940 ng
RT: 8.163 min Scan# 897
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:107 Resp: 1106673

Ion	Ratio	Lower	Upper
107	100		
108	89.2	70.7	110.7
77	36.0	17.4	57.4
79	30.0	10.9	50.9



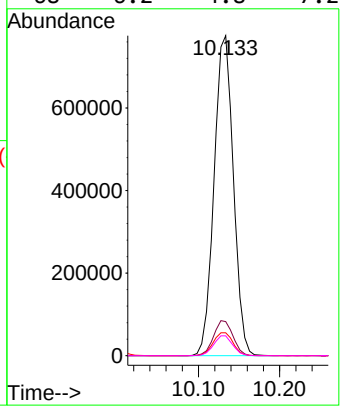


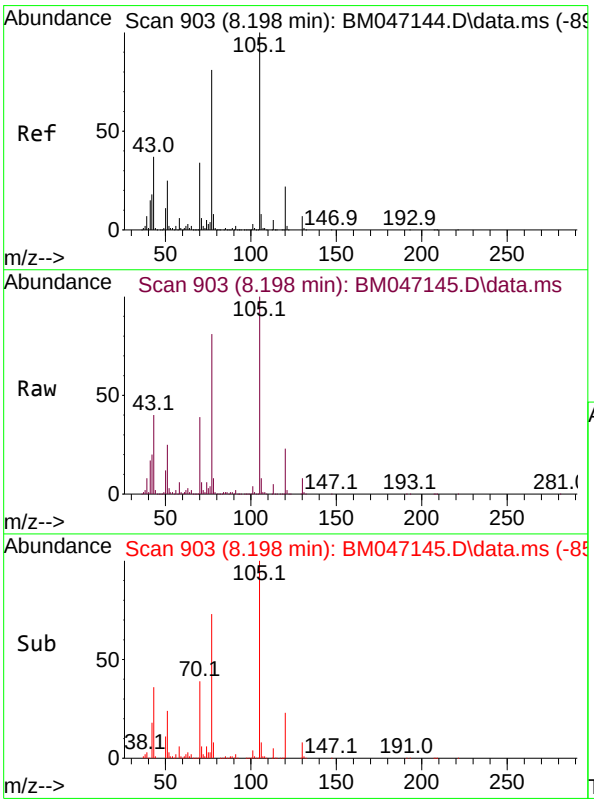
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 1281047

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	7.2	6.0	9.0
68	6.2	4.8	7.2

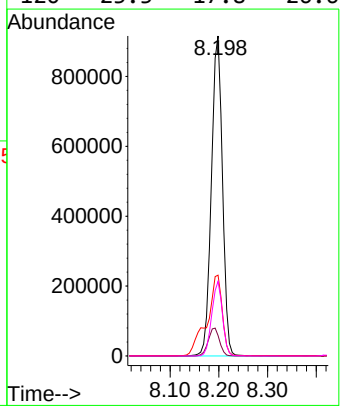


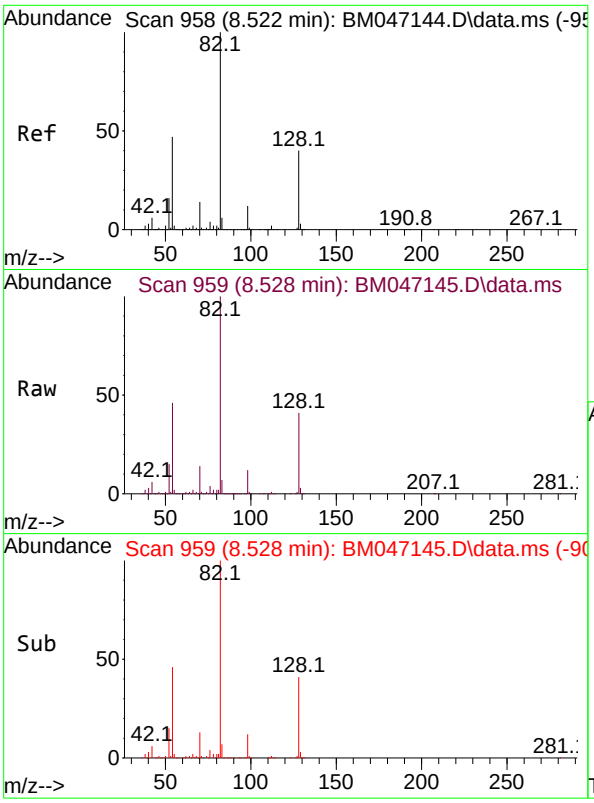


#22
Acetophenone
Concen: 46.625 ng
RT: 8.198 min Scan# 903
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:105 Resp: 1441742

Ion	Ratio	Lower	Upper
105	100		
71	6.4	4.5	6.7
51	25.2	20.1	30.1
120	23.3	17.8	26.6



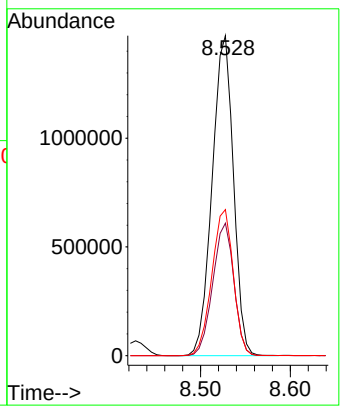


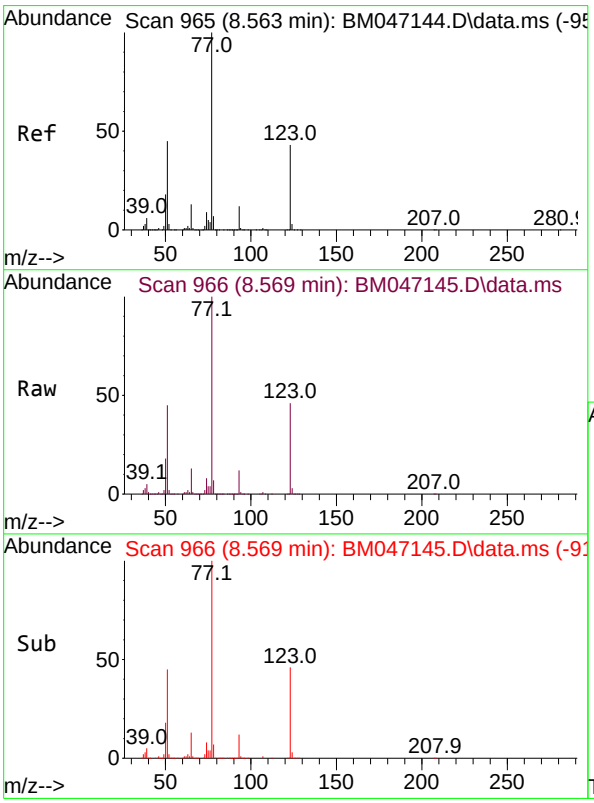
#23
Nitrobenzene-d5
Concen: 95.162 ng
RT: 8.528 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2421031

Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.3	48.5
54	45.7	37.4	56.2

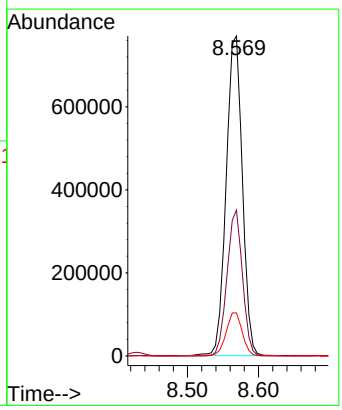


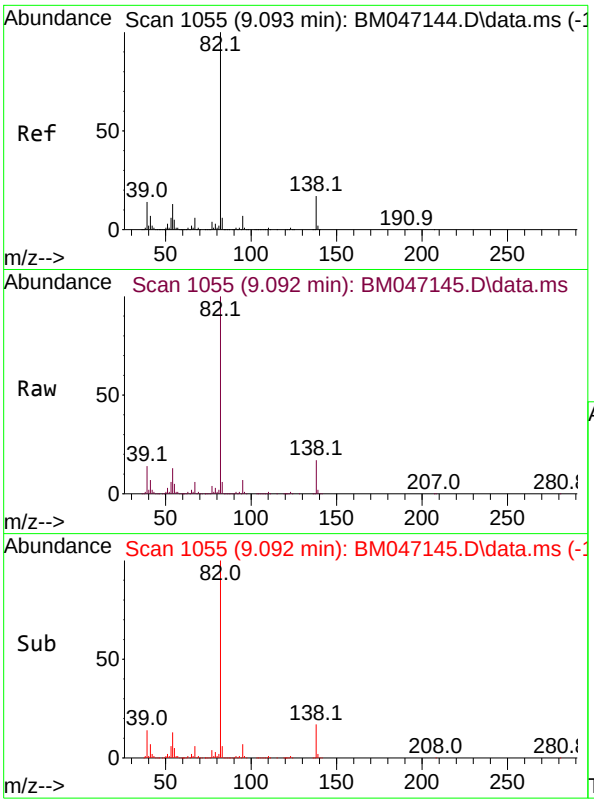


#24
Nitrobenzene
Concen: 47.470 ng
RT: 8.569 min Scan# 966
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion: 77 Resp: 1216089

Ion	Ratio	Lower	Upper
77	100		
123	45.6	34.0	51.0
65	13.4	10.5	15.7



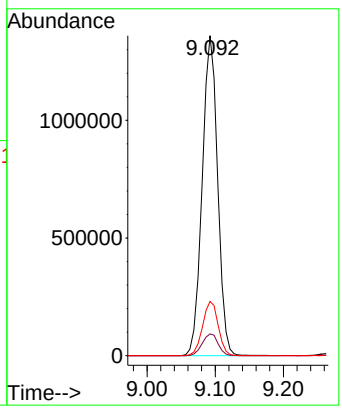


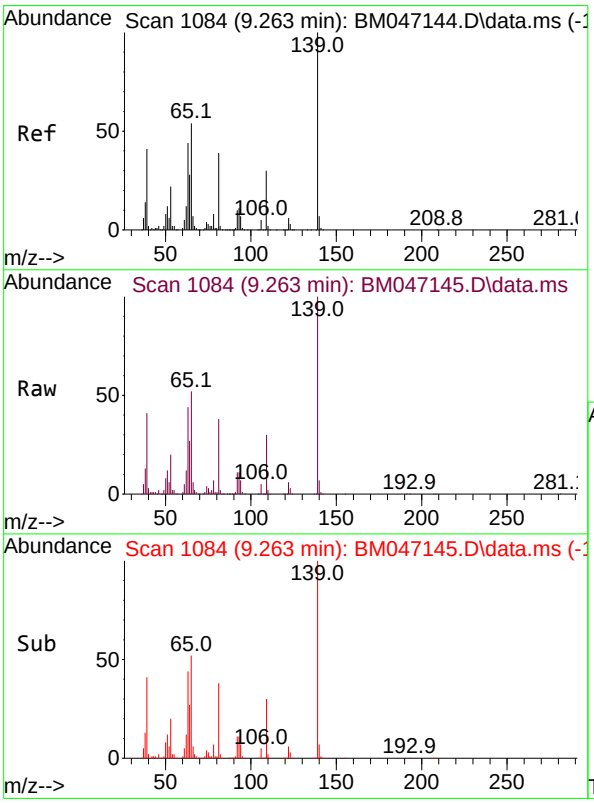
#25
Isophorone
Concen: 48.292 ng
RT: 9.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2139220

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	17.0	13.5	20.3

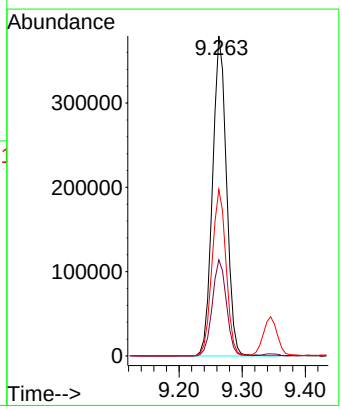


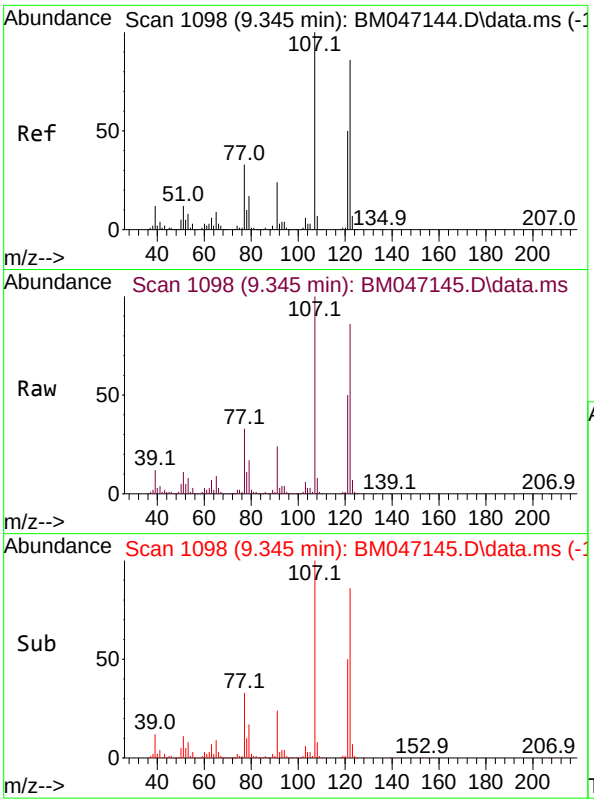


#26
2-Nitrophenol
Concen: 51.343 ng
RT: 9.263 min Scan# 1084
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:139 Resp: 582500

Ion	Ratio	Lower	Upper
139	100		
109	30.1	24.4	36.6
65	52.0	43.0	64.6



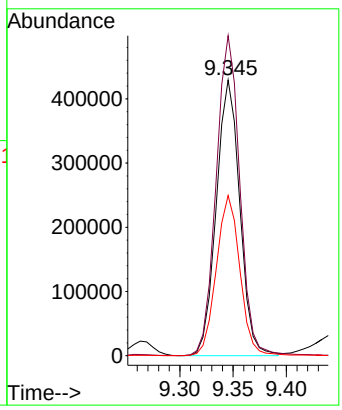


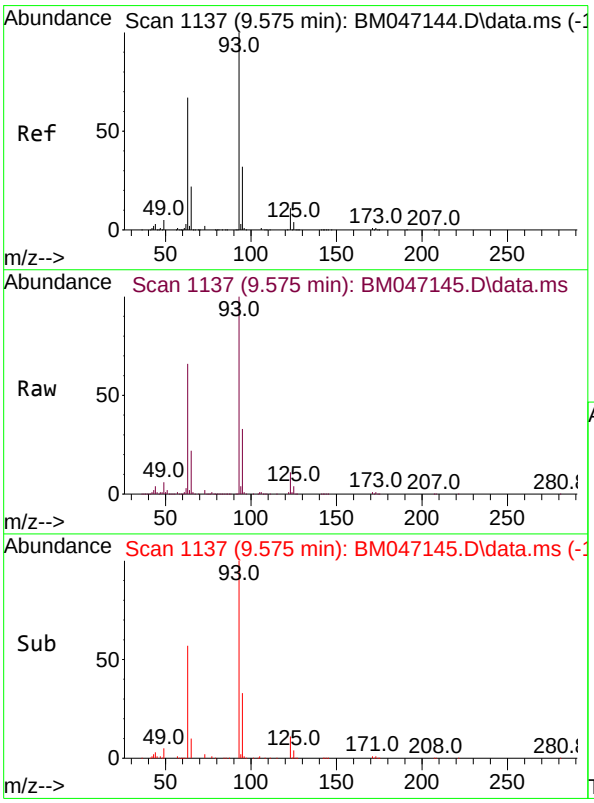
#27
2,4-Dimethylphenol
Concen: 49.545 ng
RT: 9.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 658437

Ion	Ratio	Lower	Upper
122	100		
107	116.1	92.8	139.2
121	58.1	46.1	69.1

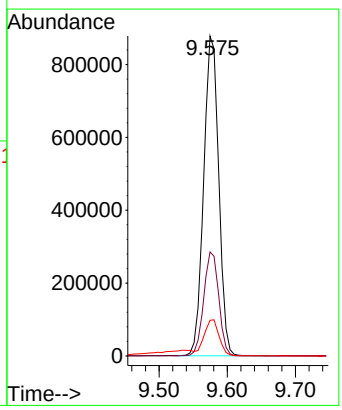


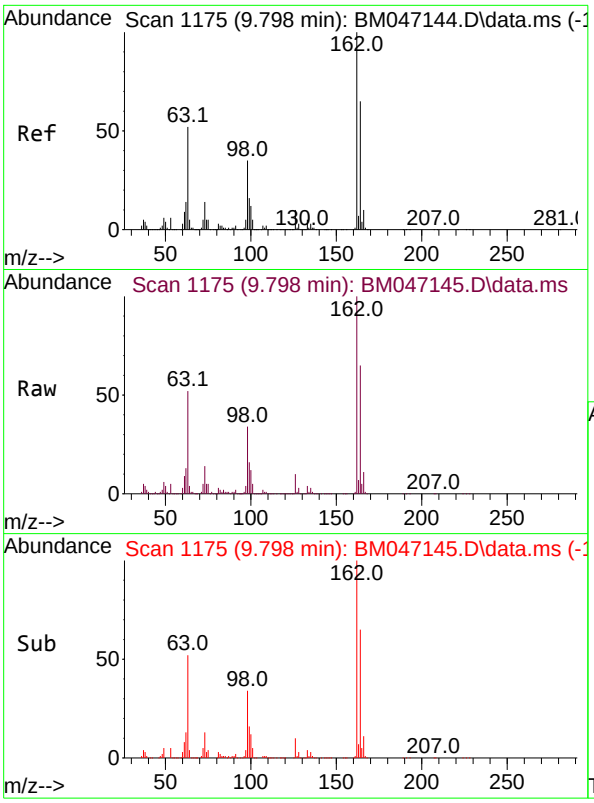


#28
bis(2-Chloroethoxy)methane
Concen: 48.339 ng
RT: 9.575 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion: 93 Resp: 1347358

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	11.1	9.0	13.4



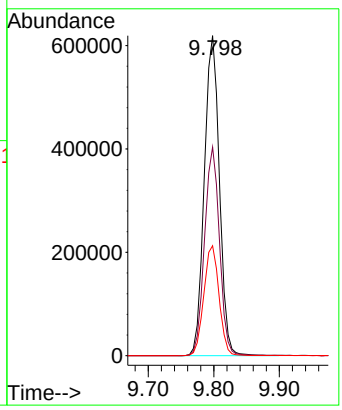


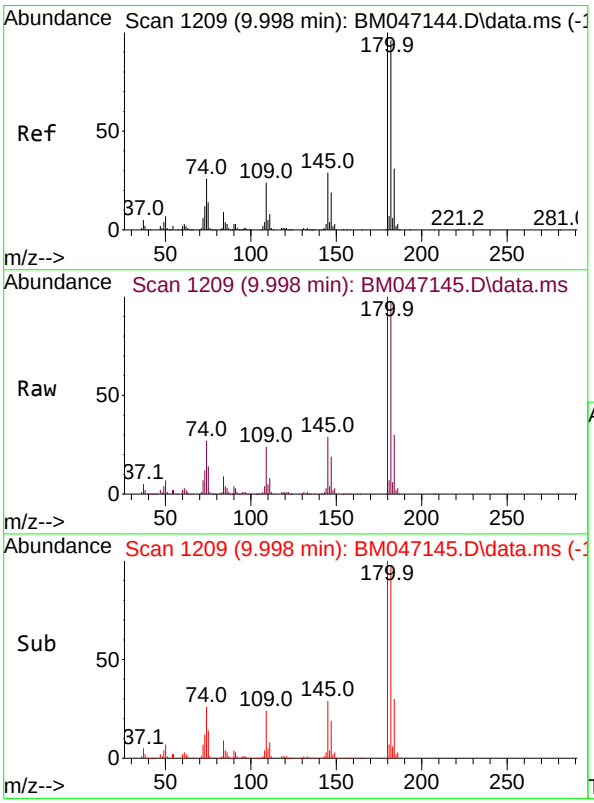
#29
2,4-Dichlorophenol
Concen: 50.395 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 993725

Ion	Ratio	Lower	Upper
162	100		
164	65.2	44.7	84.7
98	34.4	14.9	54.9

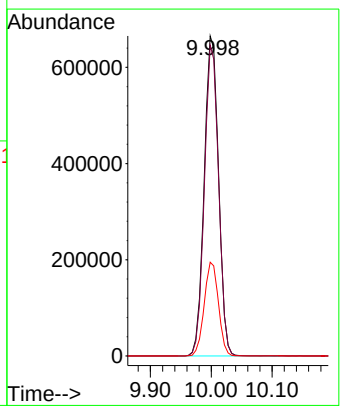


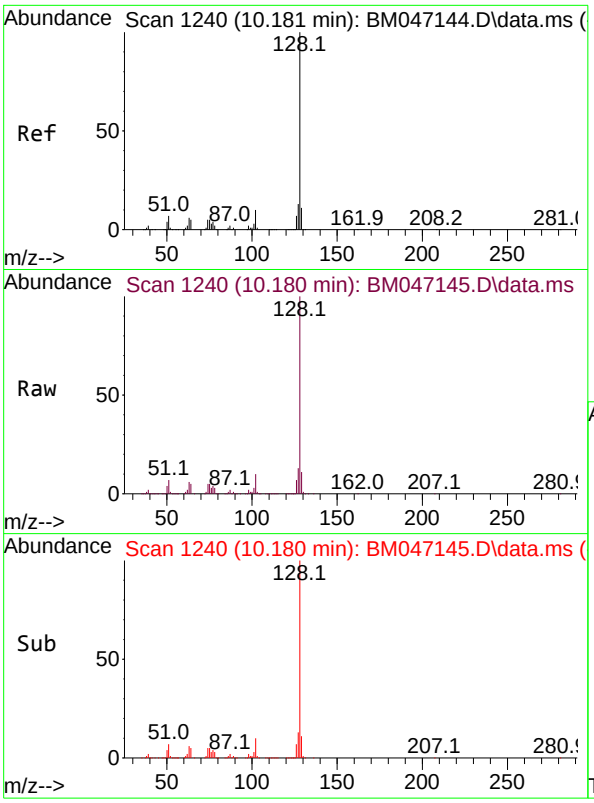


#30
1,2,4-Trichlorobenzene
Concen: 48.819 ng
RT: 9.998 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:180 Resp: 1089421

Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.6	115.0
145	29.3	23.4	35.2



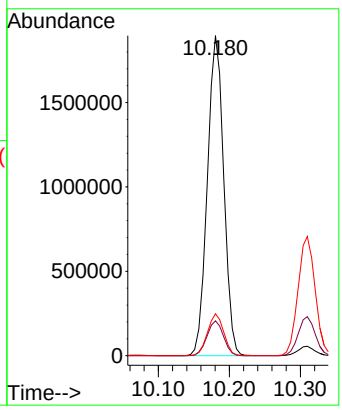


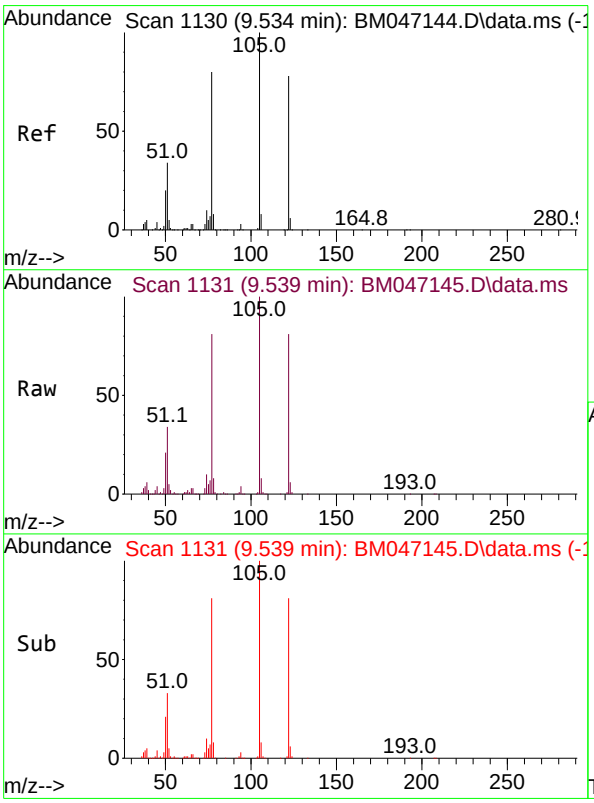
#31
Naphthalene
Concen: 47.619 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 3038911

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.1	10.2	15.4

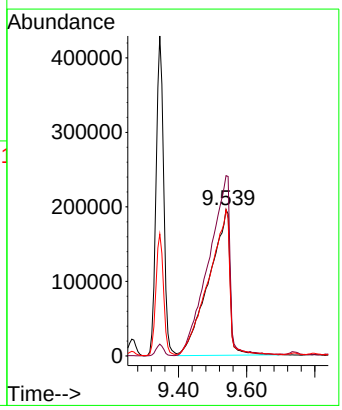


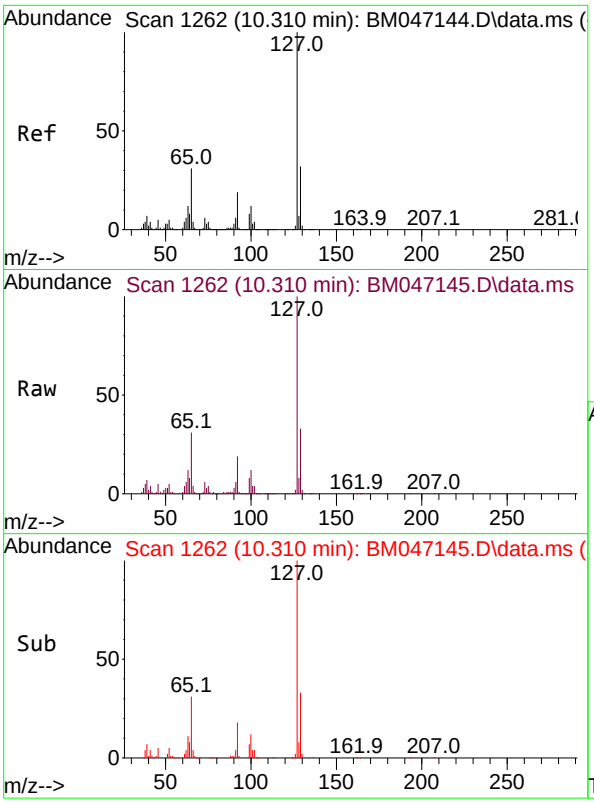


#32
Benzoic acid
Concen: 53.976 ng
RT: 9.539 min Scan# 1131
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:122 Resp: 838043

Ion	Ratio	Lower	Upper
122	100		
105	123.3	107.1	147.1
77	99.9	82.1	122.1



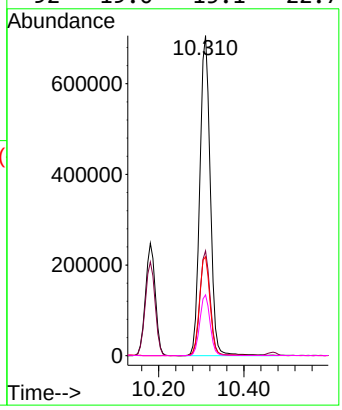


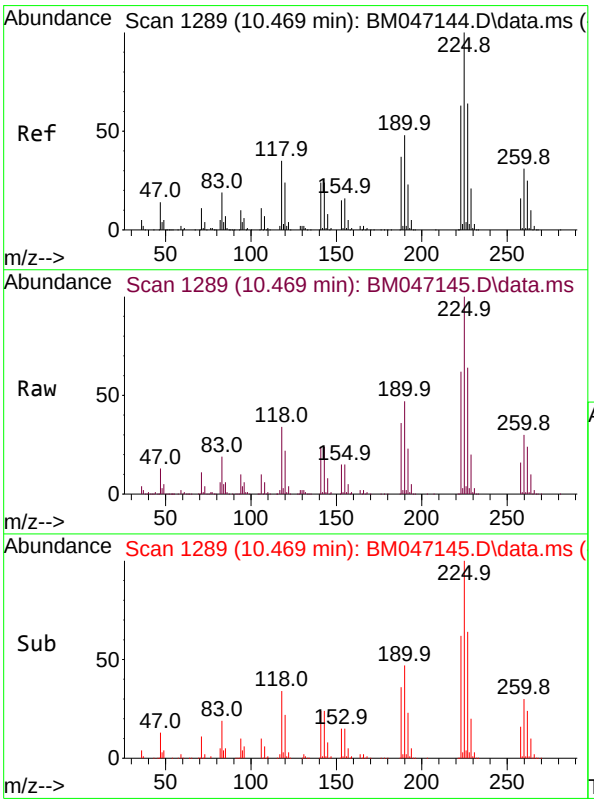
#33
4-Chloroaniline
Concen: 48.793 ng
RT: 10.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1197445

Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.8	38.8
65	30.9	24.9	37.3
92	19.0	15.1	22.7

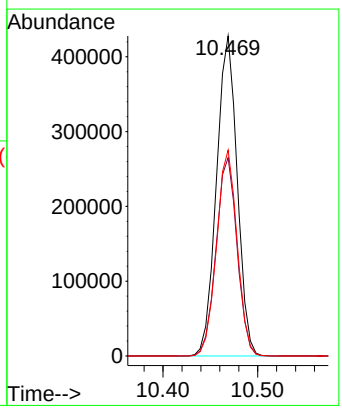


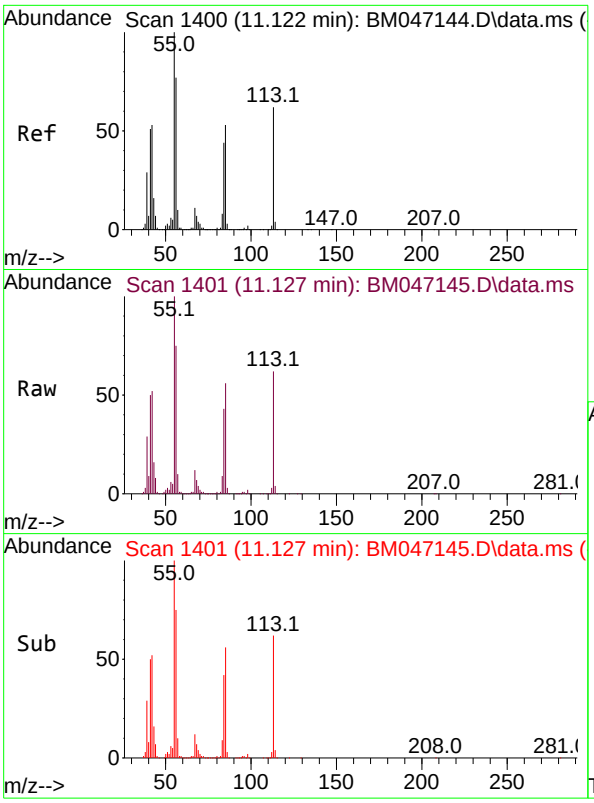


#34
Hexachlorobutadiene
Concen: 49.773 ng
RT: 10.469 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:225 Resp: 650107

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.2	75.2
227	64.4	51.4	77.0



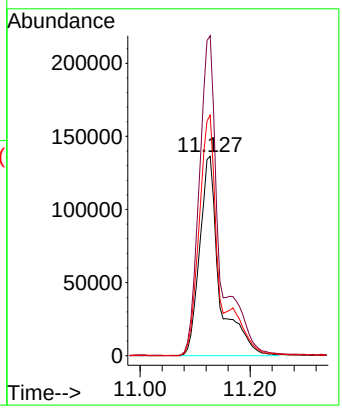


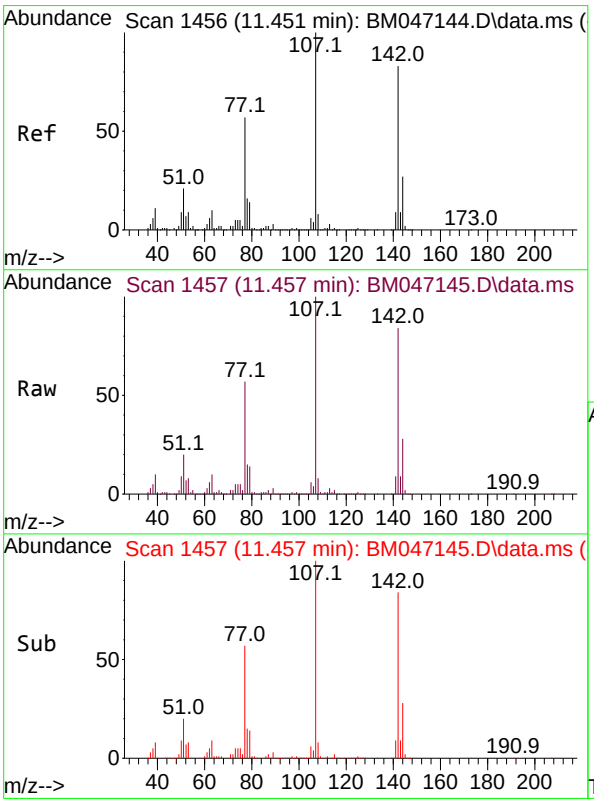
#35
Caprolactam
Concen: 50.259 ng
RT: 11.127 min Scan# 14
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 344173

Ion	Ratio	Lower	Upper
113	100		
55	160.6	140.5	180.5
56	120.7	103.6	143.6

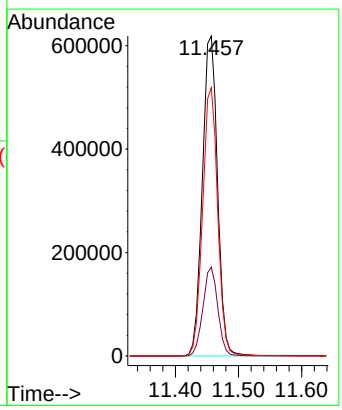


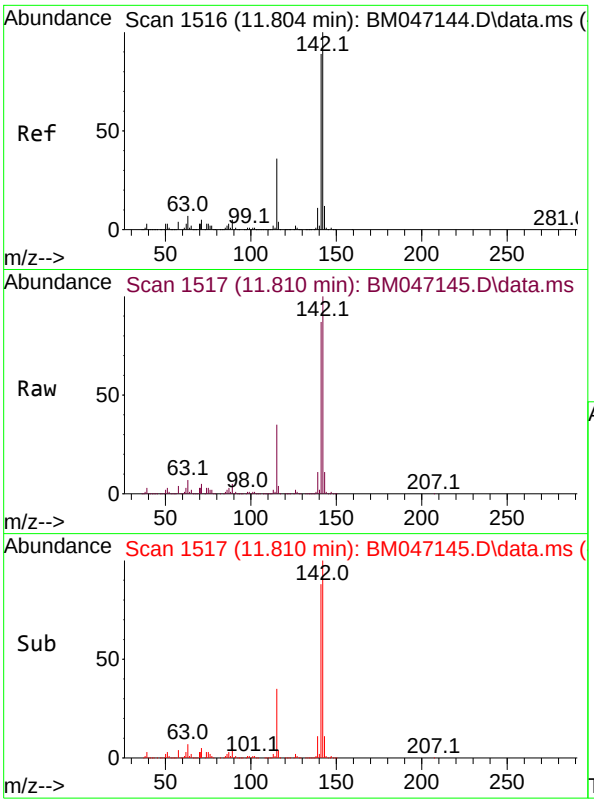


#36
4-Chloro-3-methylphenol
Concen: 49.201 ng
RT: 11.457 min Scan# 1457
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:107 Resp: 1033238

Ion	Ratio	Lower	Upper
107	100		
144	27.8	21.8	32.6
142	83.9	66.8	100.2



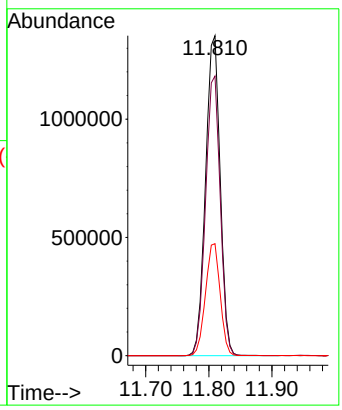


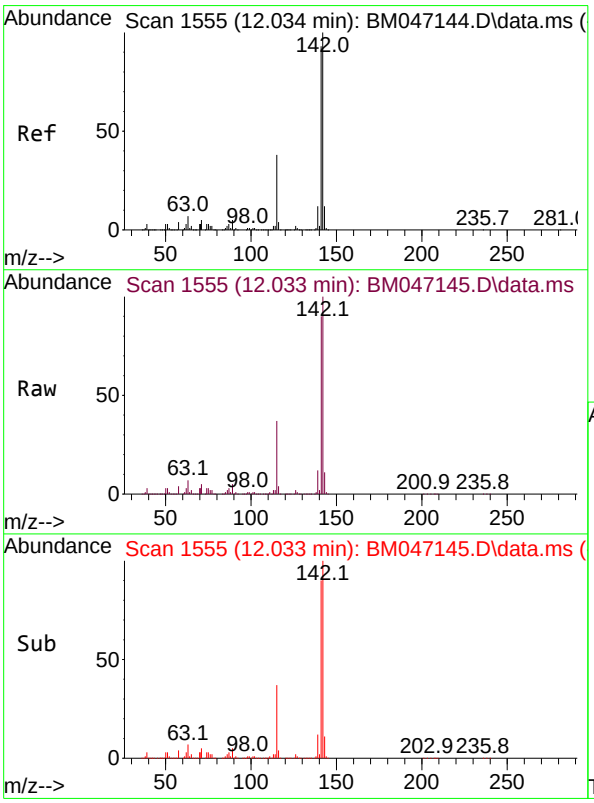
#37
2-Methylnaphthalene
Concen: 47.987 ng
RT: 11.810 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 2180425

Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.9	106.3
115	35.0	28.7	43.1

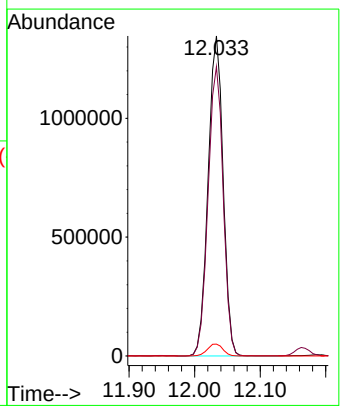


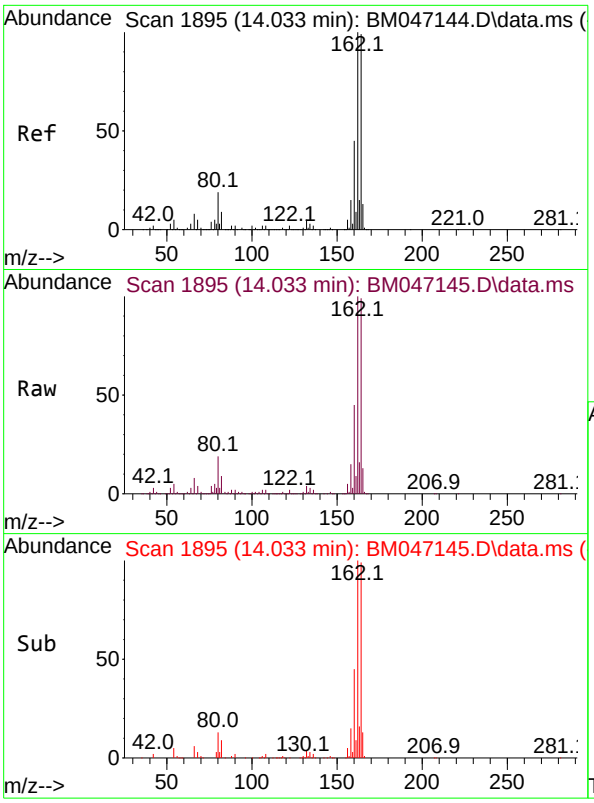


#38
1-Methylnaphthalene
Concen: 47.673 ng
RT: 12.033 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:142 Resp: 2140830

Ion	Ratio	Lower	Upper
142	100		
141	90.4	74.6	111.8
116	3.7	3.1	4.7



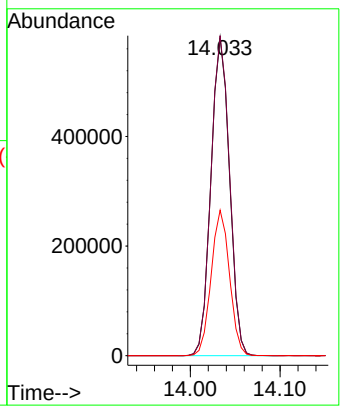


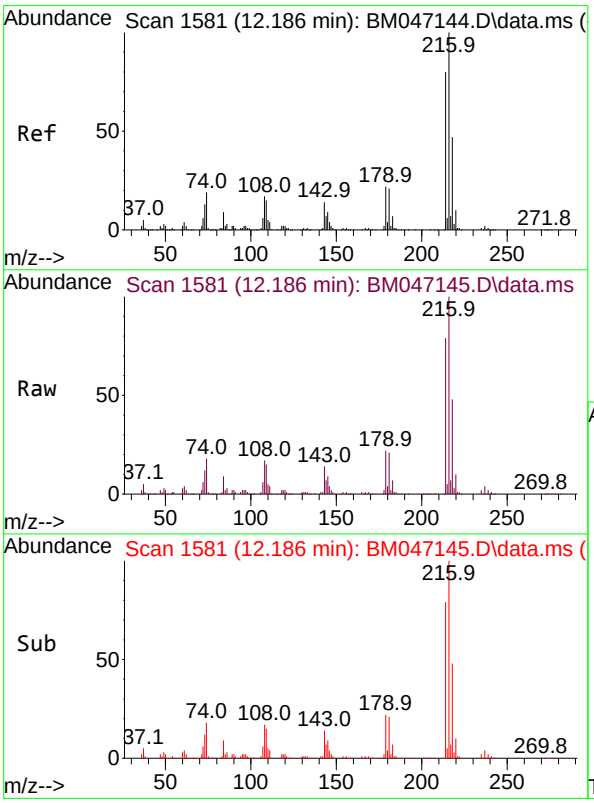
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 834055

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.7	121.1
160	45.7	36.0	54.0

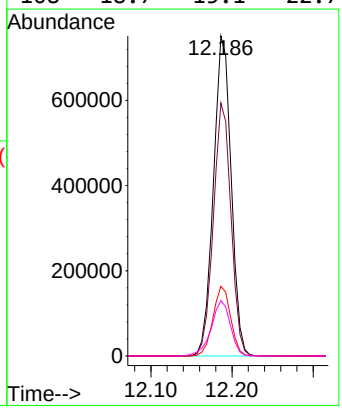


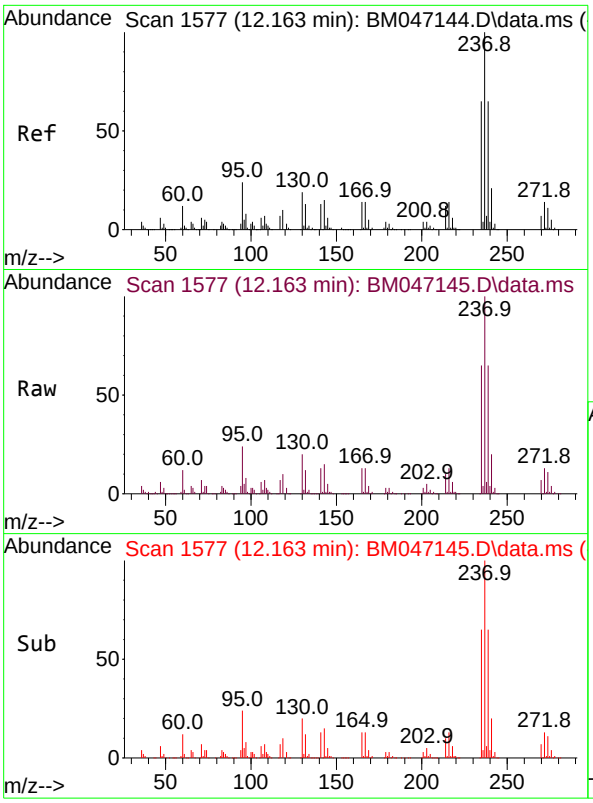


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.043 ng
RT: 12.186 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:216 Resp: 1138431

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.4	95.2
179	21.7	17.6	26.4
108	18.7	15.1	22.7



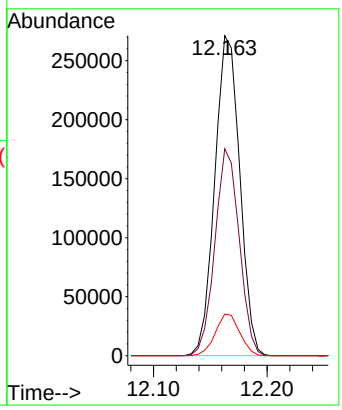


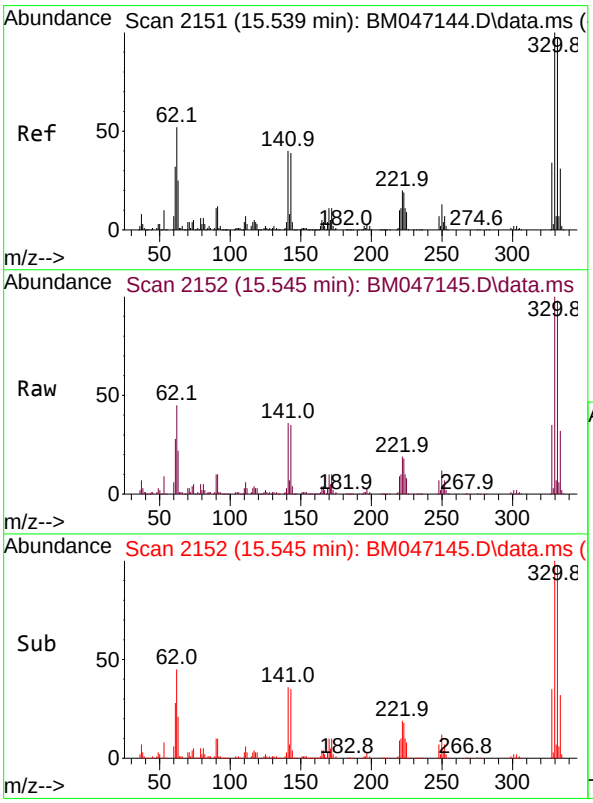
#41
Hexachlorocyclopentadiene
Concen: 52.261 ng
RT: 12.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 415149

Ion	Ratio	Lower	Upper
237	100		
235	64.7	44.8	84.8
272	13.0	0.0	33.5

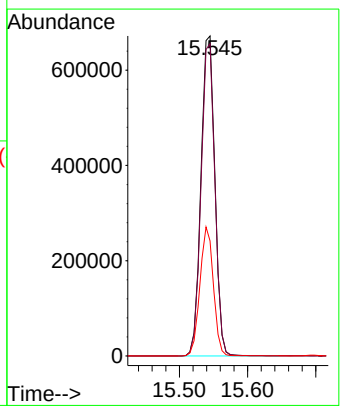


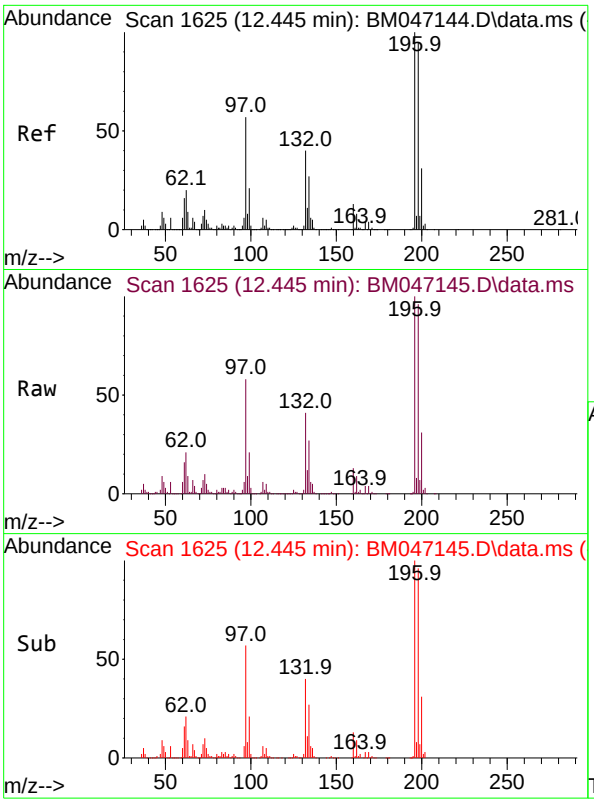


#42
2,4,6-Tribromophenol
Concen: 98.476 ng
RT: 15.545 min Scan# 2152
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:330 Resp: 952366

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.4	116.2
141	39.2	31.6	47.4



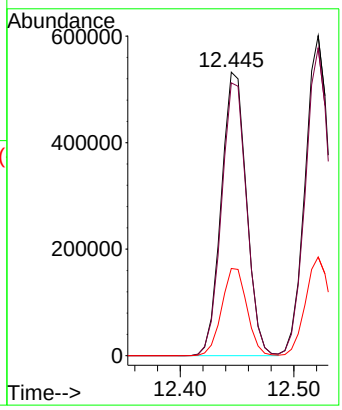


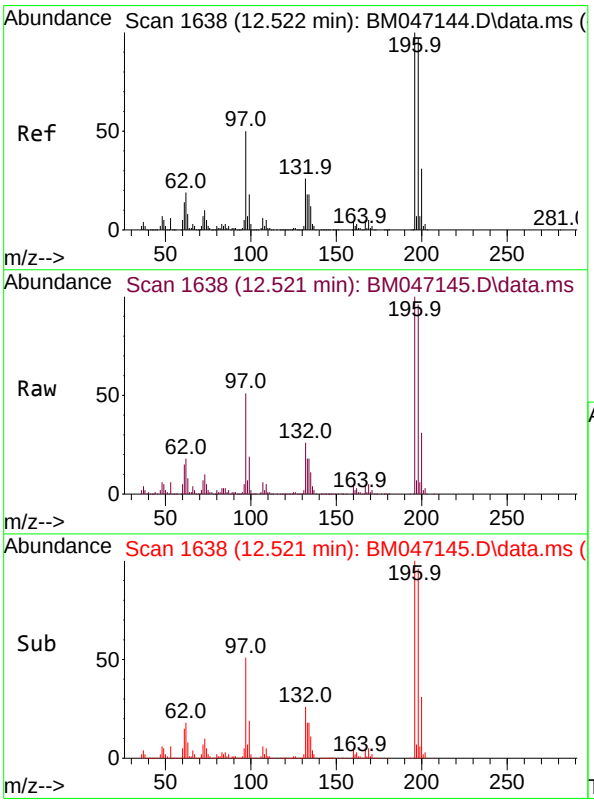
#43
2,4,6-Trichlorophenol
Concen: 50.831 ng
RT: 12.445 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 821910

Ion	Ratio	Lower	Upper
196	100		
198	96.2	75.6	113.4
200	30.7	24.6	37.0

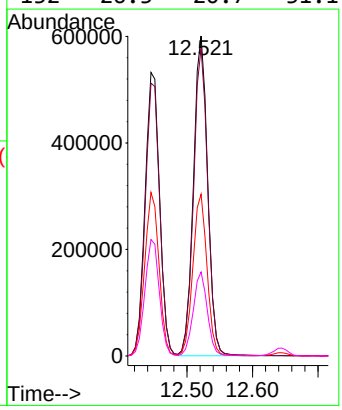


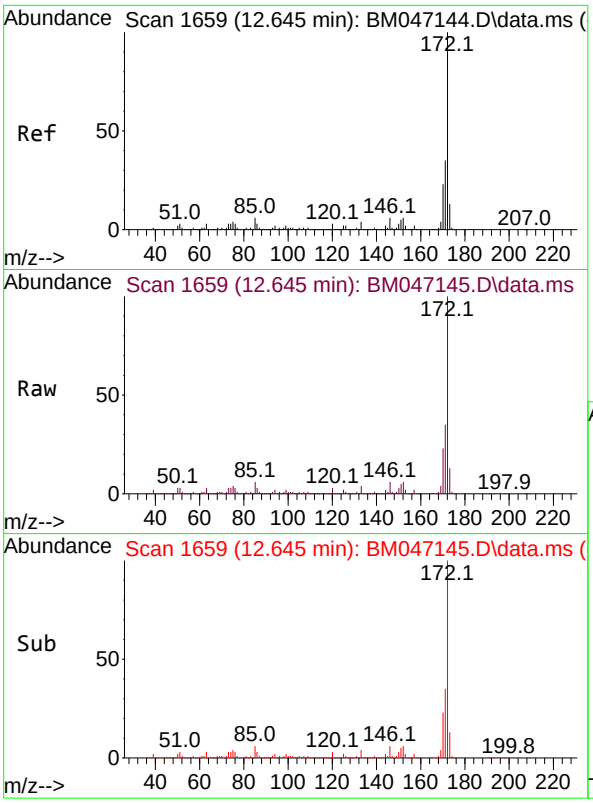


#44
2,4,5-Trichlorophenol
Concen: 50.644 ng
RT: 12.521 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:196 Resp: 909210

Ion	Ratio	Lower	Upper
196	100		
198	96.2	77.7	116.5
97	50.6	39.8	59.8
132	26.3	20.7	31.1



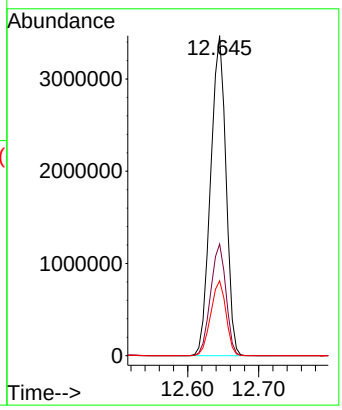


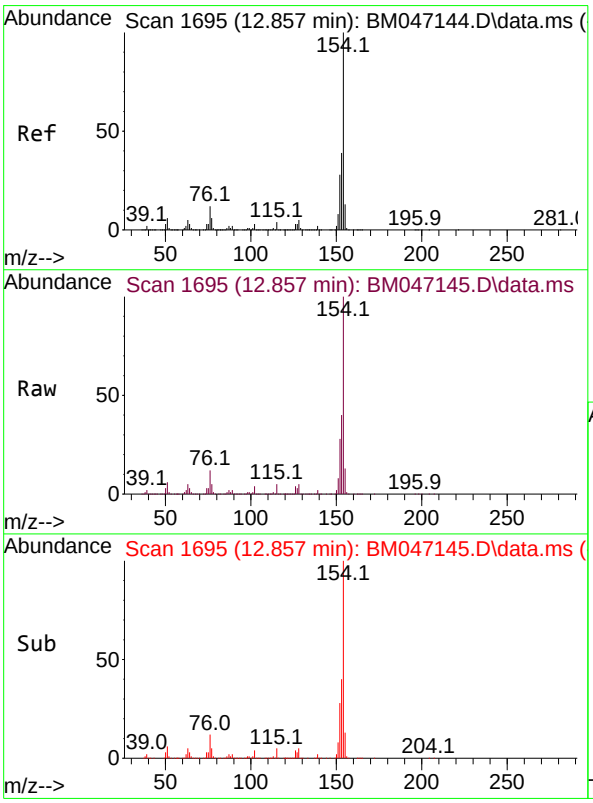
#45
2-Fluorobiphenyl
Concen: 96.172 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 5200055

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.4	18.7	28.1

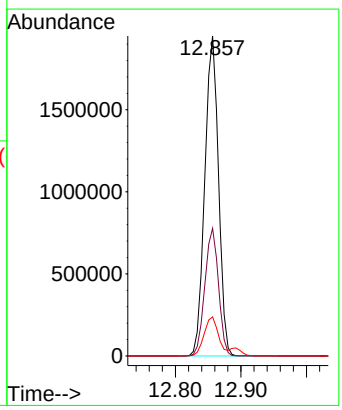


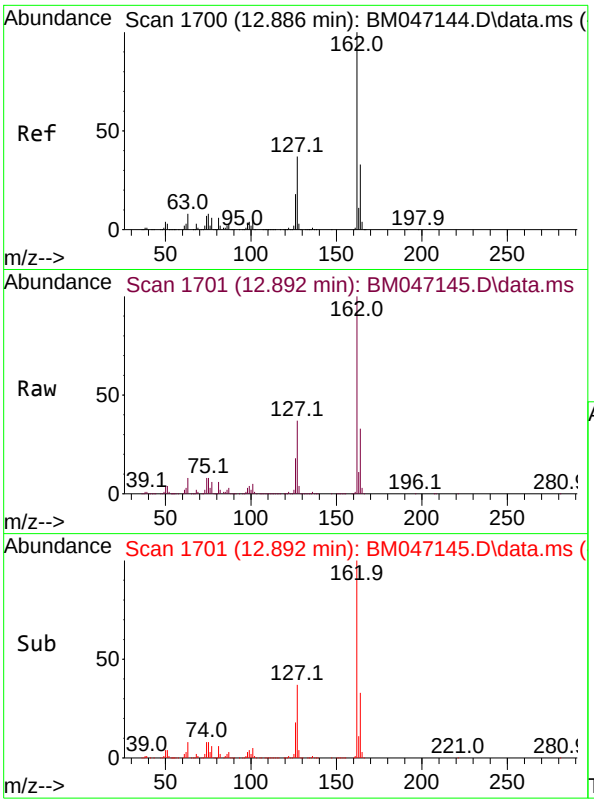


#46
1,1'-Biphenyl
Concen: 47.782 ng
RT: 12.857 min Scan# 1695
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:154 Resp: 2837162

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.0	59.0
76	12.2	0.0	31.9



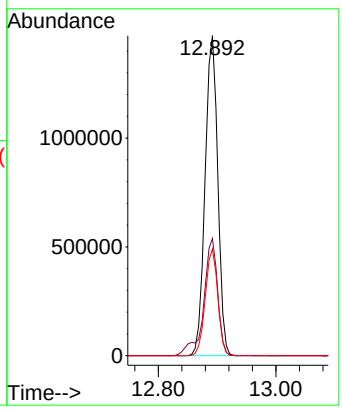


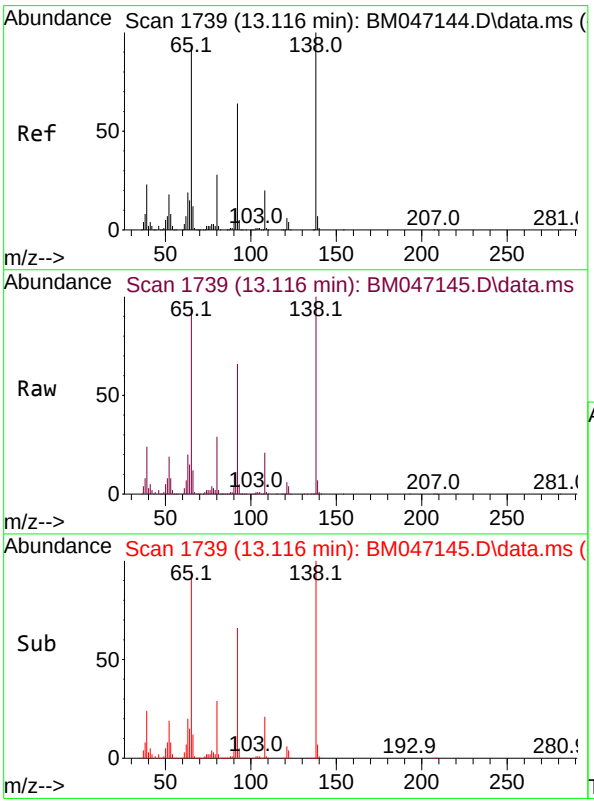
#47
2-Chloronaphthalene
Concen: 47.627 ng
RT: 12.892 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 2210354

Ion	Ratio	Lower	Upper
162	100		
127	36.7	30.0	45.0
164	33.4	26.3	39.5

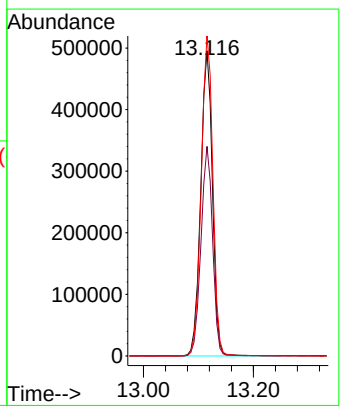


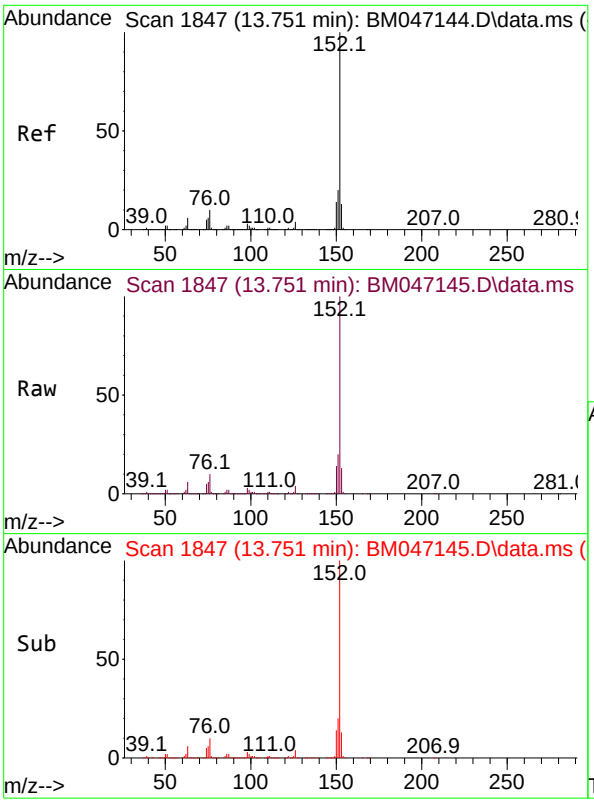


#48
2-Nitroaniline
Concen: 50.459 ng
RT: 13.116 min Scan# 1739
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion: 65 Resp: 733636

Ion	Ratio	Lower	Upper
65	100		
92	68.7	55.1	82.7
138	104.8	85.9	128.9



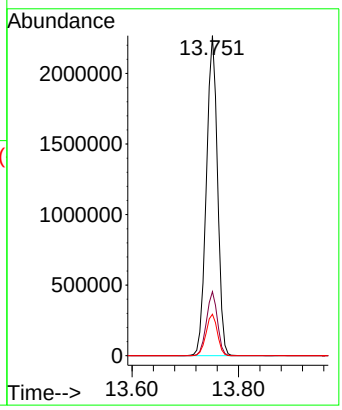


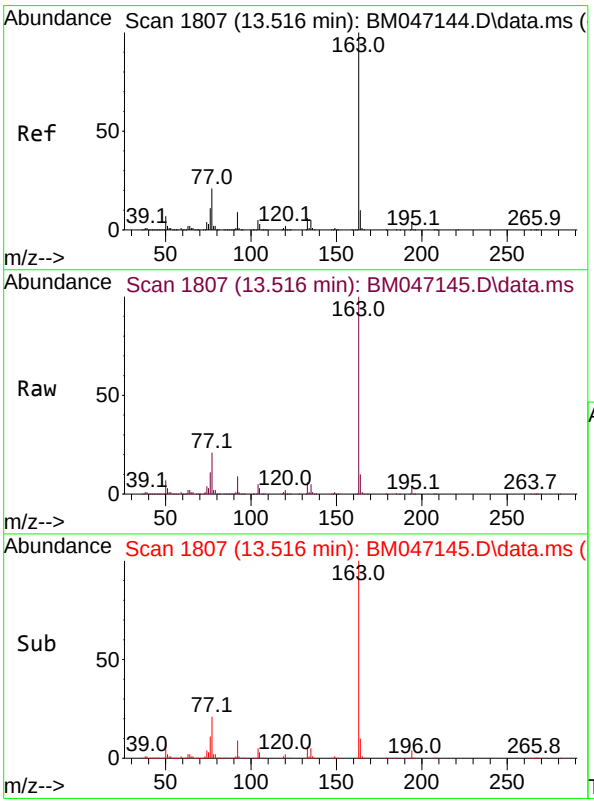
#49
Acenaphthylene
Concen: 48.009 ng
RT: 13.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 3284244

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	13.0	10.4	15.6

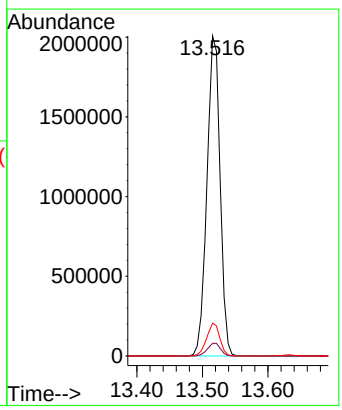


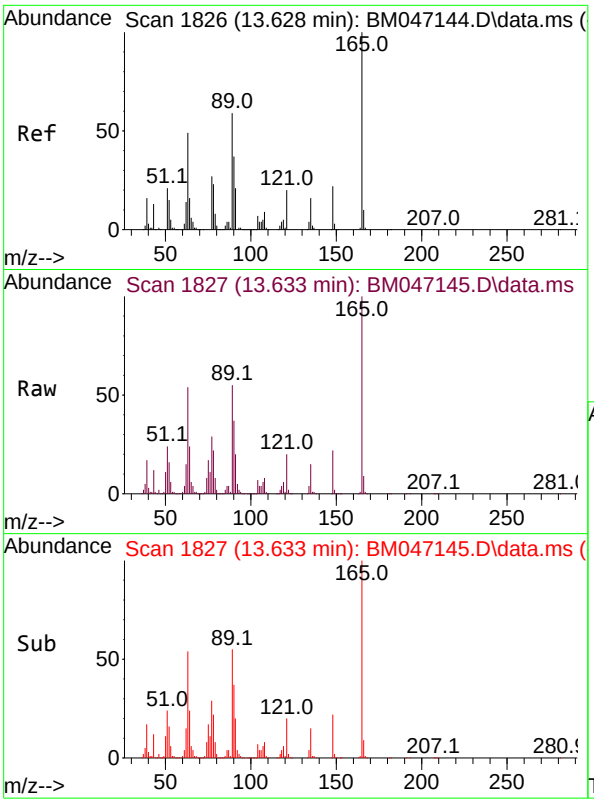


#50
Dimethylphthalate
Concen: 48.073 ng
RT: 13.516 min Scan# 1807
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:163 Resp: 2800312

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	10.3	8.0	12.0



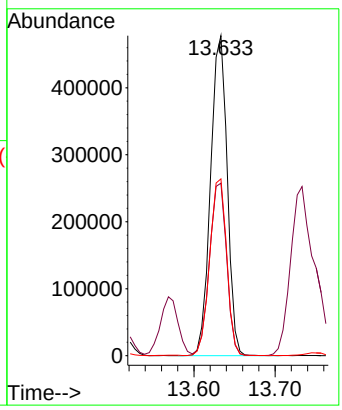


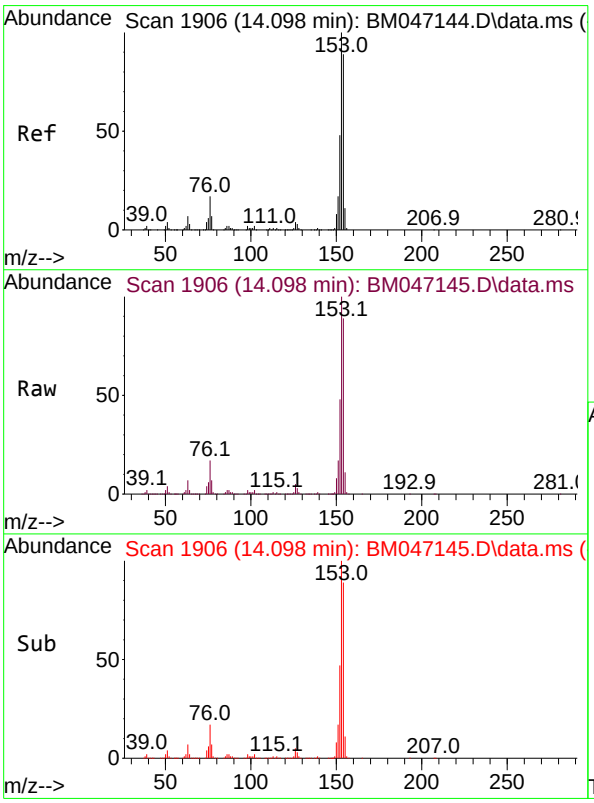
#51
2,6-Dinitrotoluene
Concen: 49.929 ng
RT: 13.633 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 679884

Ion	Ratio	Lower	Upper
165	100		
63	53.9	46.5	69.7
89	55.3	47.3	70.9

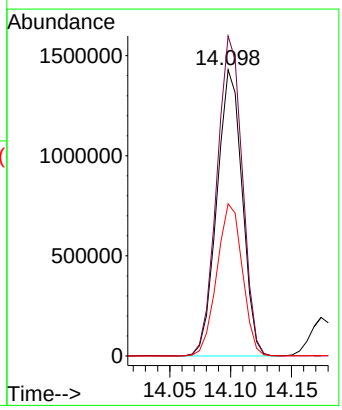


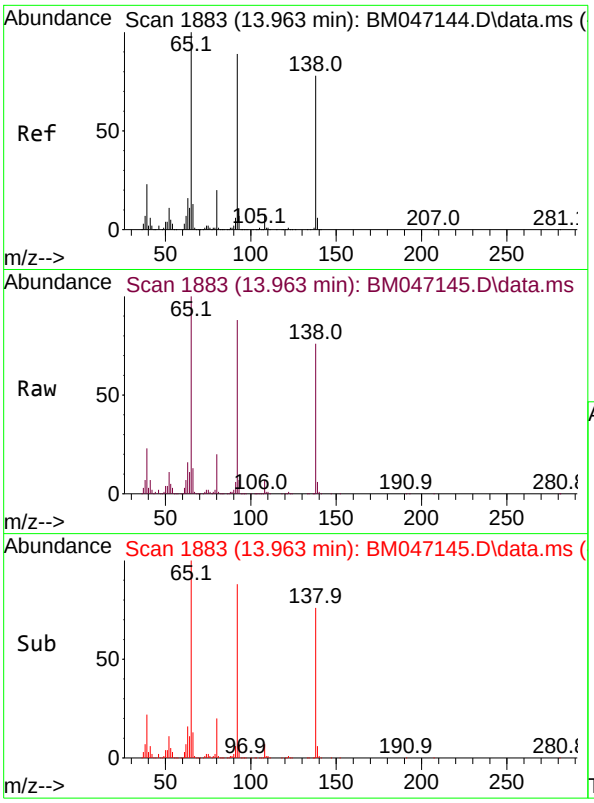


#52
Acenaphthene
Concen: 47.640 ng
RT: 14.098 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:154 Resp: 2067281

Ion	Ratio	Lower	Upper
154	100		
153	111.8	90.3	135.5
152	53.2	42.9	64.3



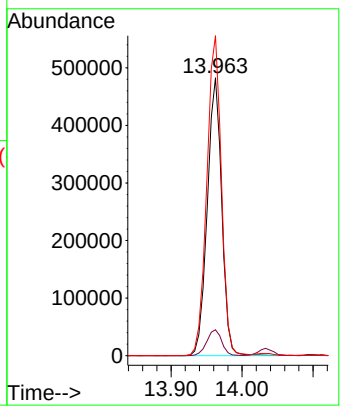


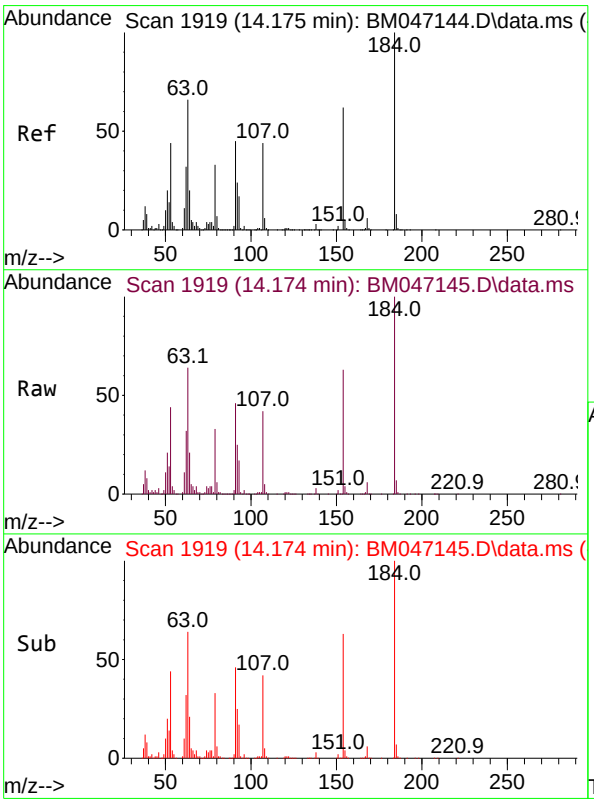
#53
3-Nitroaniline
Concen: 50.067 ng
RT: 13.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 683158

Ion	Ratio	Lower	Upper
138	100		
108	9.3	7.9	11.9
92	115.1	92.0	138.0

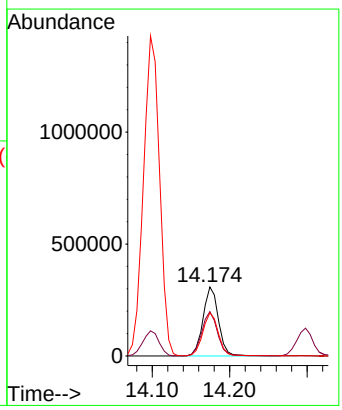


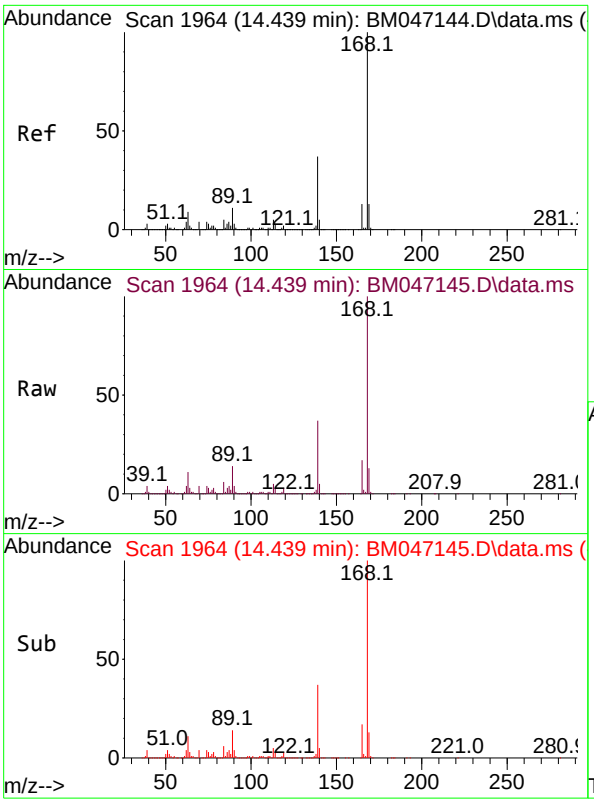


#54
2,4-Dinitrophenol
Concen: 52.012 ng
RT: 14.174 min Scan# 1919
Delta R.T. -0.001 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:184 Resp: 424486

Ion	Ratio	Lower	Upper
184	100		
63	64.2	52.7	79.1
154	62.6	50.4	75.6



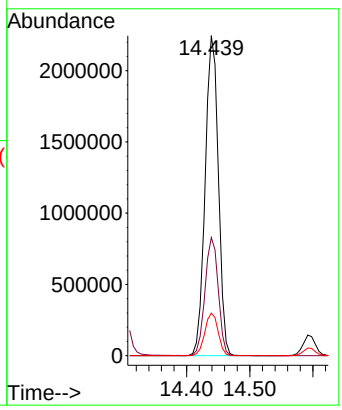


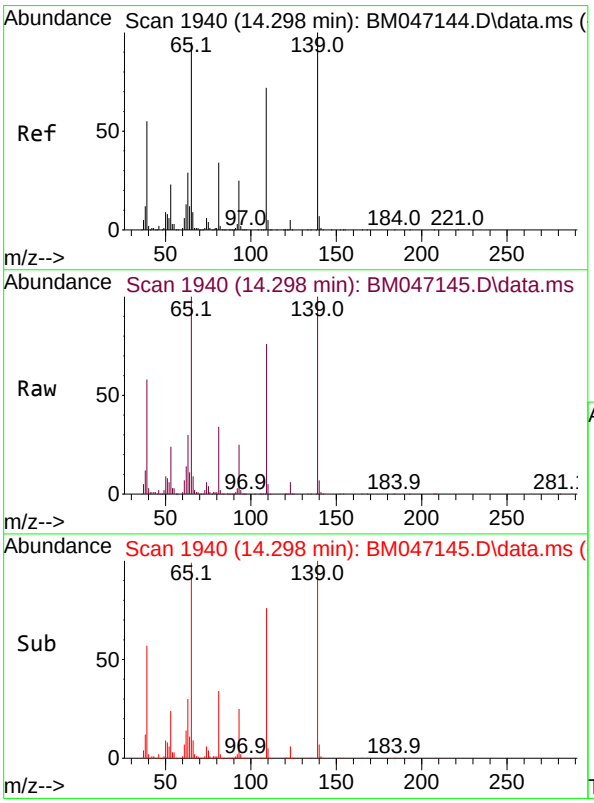
#55
Dibenzofuran
Concen: 47.413 ng
RT: 14.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 3249834

Ion	Ratio	Lower	Upper
168	100		
139	36.9	29.6	44.4
169	13.3	10.7	16.1

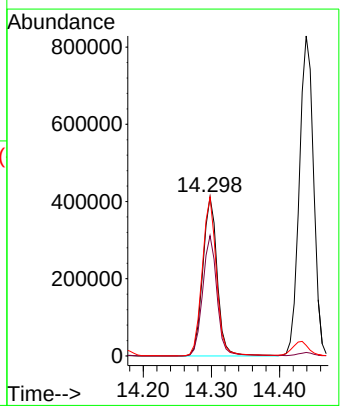


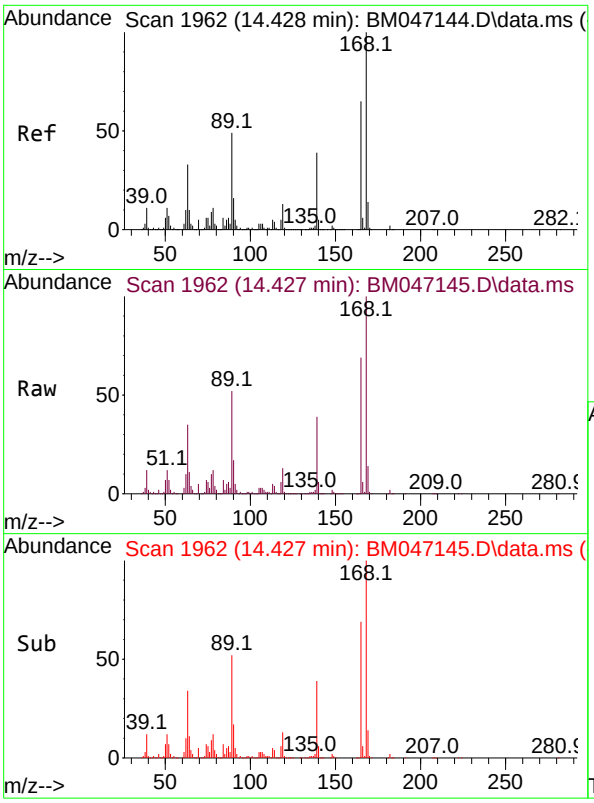


#56
4-Nitrophenol
Concen: 51.542 ng
RT: 14.298 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:139 Resp: 606437

Ion	Ratio	Lower	Upper
139	100		
109	75.7	52.5	92.5
65	99.9	75.4	115.4



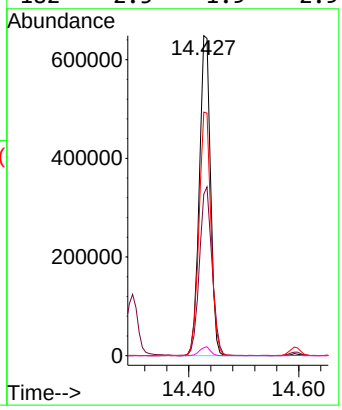


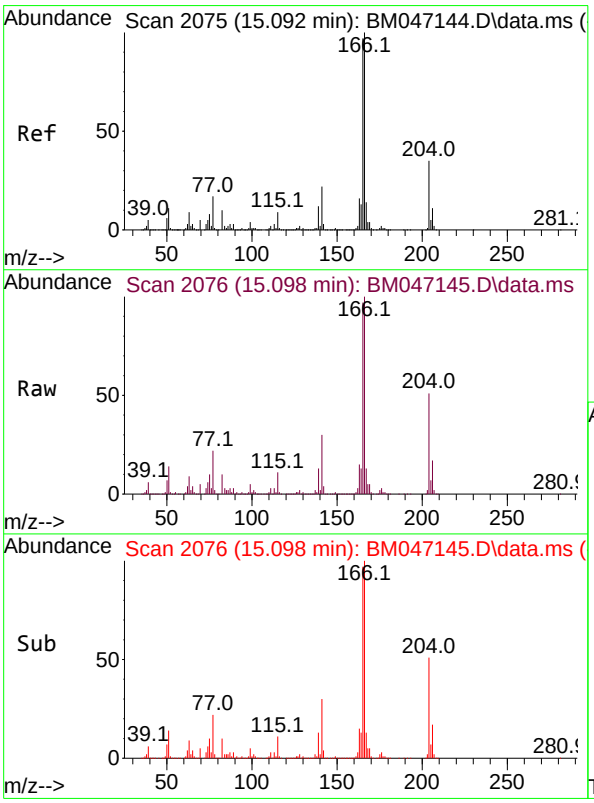
#57
2,4-Dinitrotoluene
Concen: 50.482 ng
RT: 14.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 917536

Ion	Ratio	Lower	Upper
165	100		
63	50.4	40.3	60.5
89	76.1	61.0	91.6
182	2.5	1.9	2.9

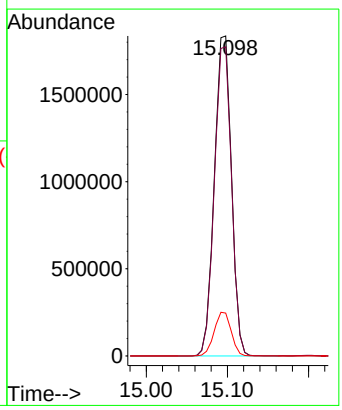


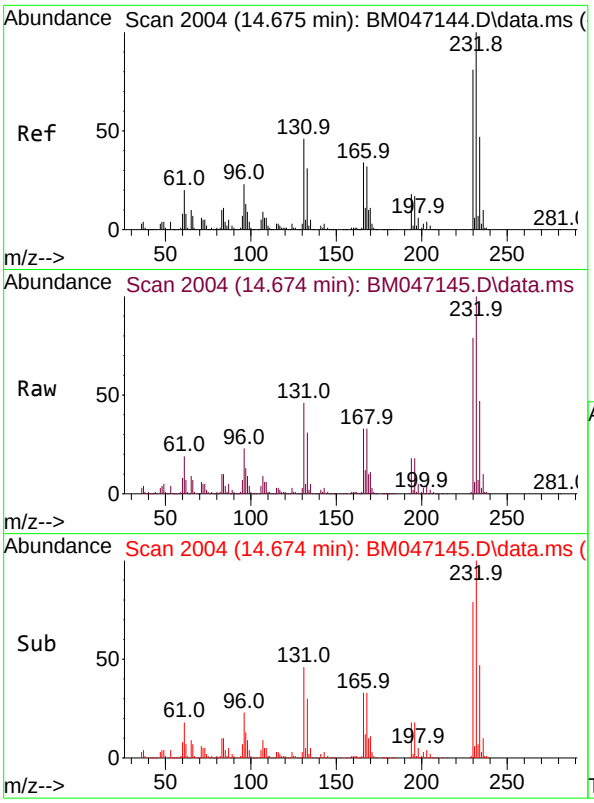


#58
Fluorene
Concen: 47.578 ng
RT: 15.098 min Scan# 2076
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:166 Resp: 2690806

Ion	Ratio	Lower	Upper
166	100		
165	96.6	77.4	116.0
167	13.4	11.0	16.6



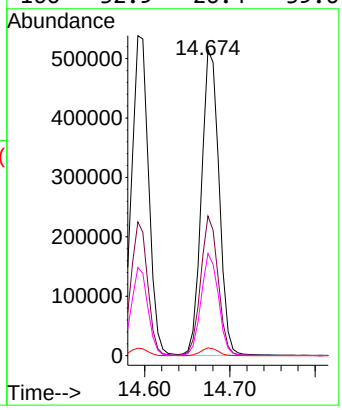


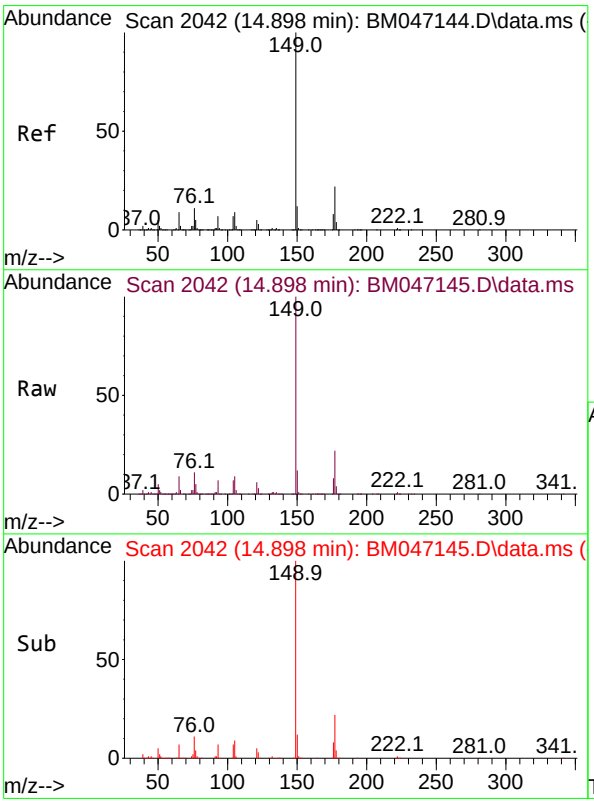
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.022 ng
RT: 14.674 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 738067

Ion	Ratio	Lower	Upper
232	100		
131	45.1	36.9	55.3
130	2.5	2.0	3.0
166	32.9	26.4	39.6

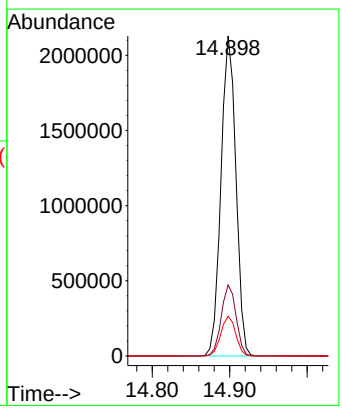


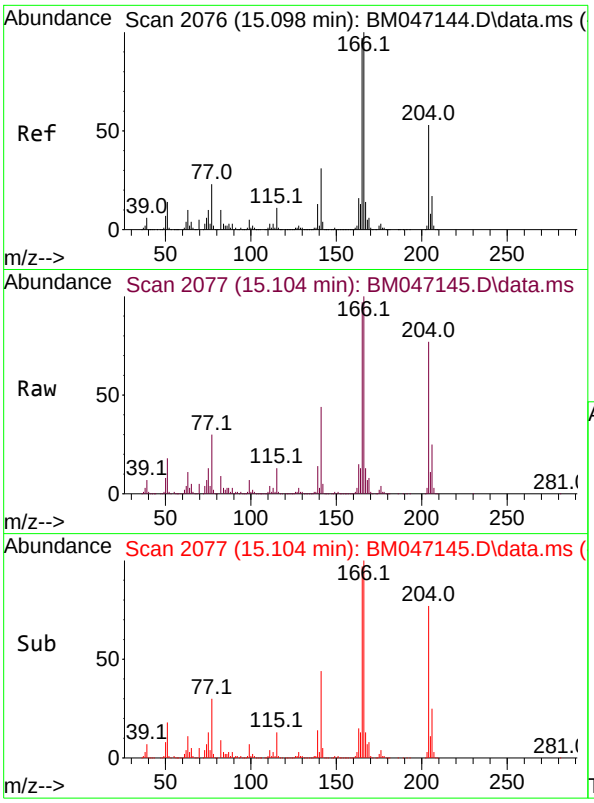


#60
Diethylphthalate
Concen: 47.851 ng
RT: 14.898 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:149 Resp: 2846430

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.6	26.4
150	12.4	9.8	14.6



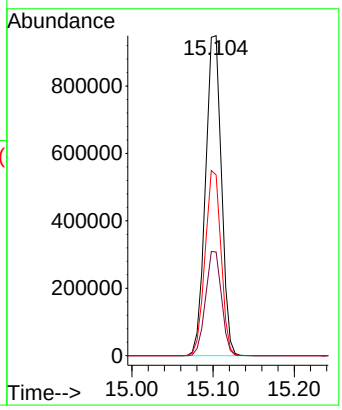


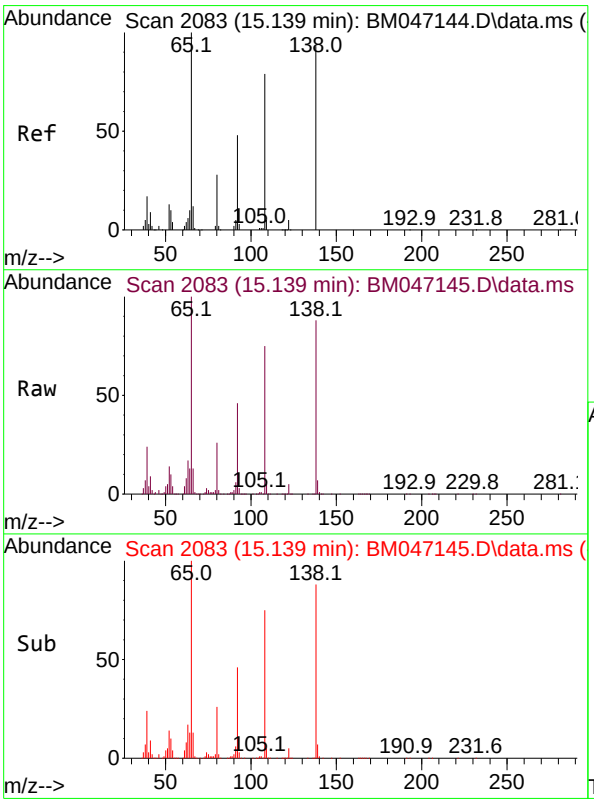
#61
4-Chlorophenyl-phenylether
Concen: 47.901 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 1289728

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.2	39.4
141	56.5	47.2	70.8

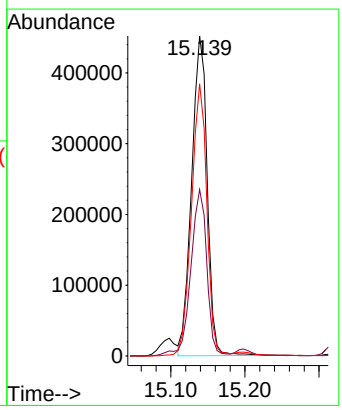


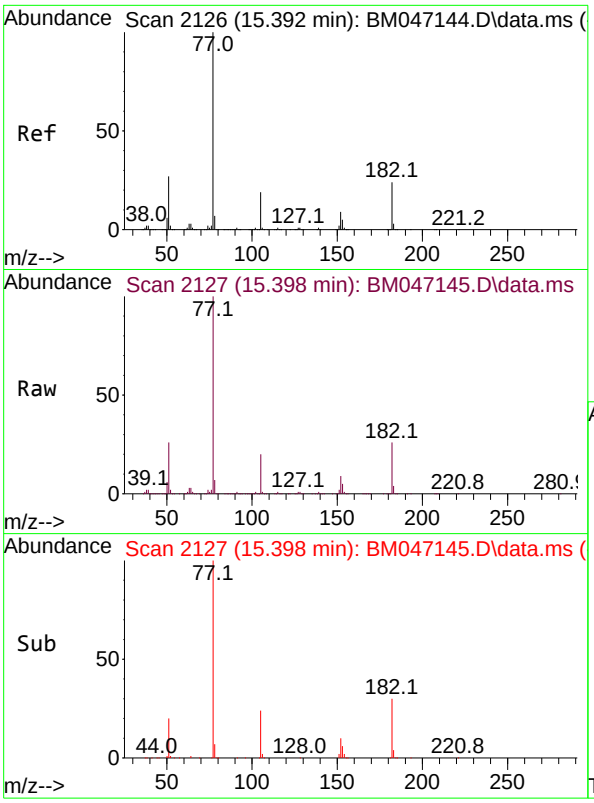


#62
4-Nitroaniline
Concen: 49.229 ng
RT: 15.139 min Scan# 2083
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:138 Resp: 661759

Ion	Ratio	Lower	Upper
138	100		
92	52.0	31.9	71.9
108	85.1	63.8	103.8



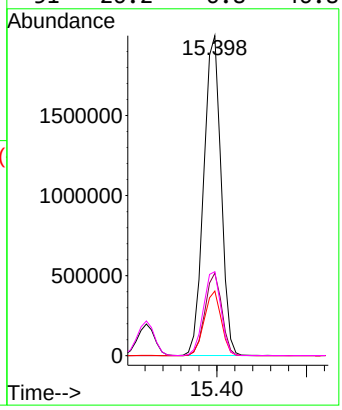


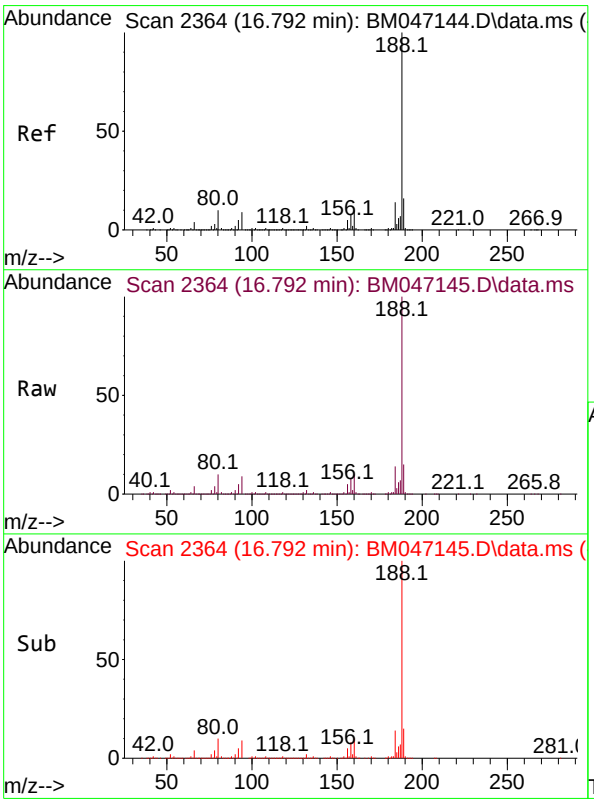
#63
Azobenzene
Concen: 47.334 ng
RT: 15.398 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 2669713

Ion	Ratio	Lower	Upper
77	100		
182	25.8	3.8	43.8
105	20.2	0.0	39.5
51	26.2	6.8	46.8

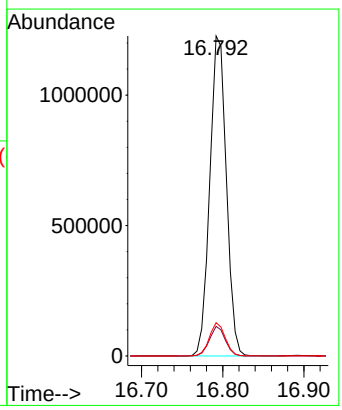


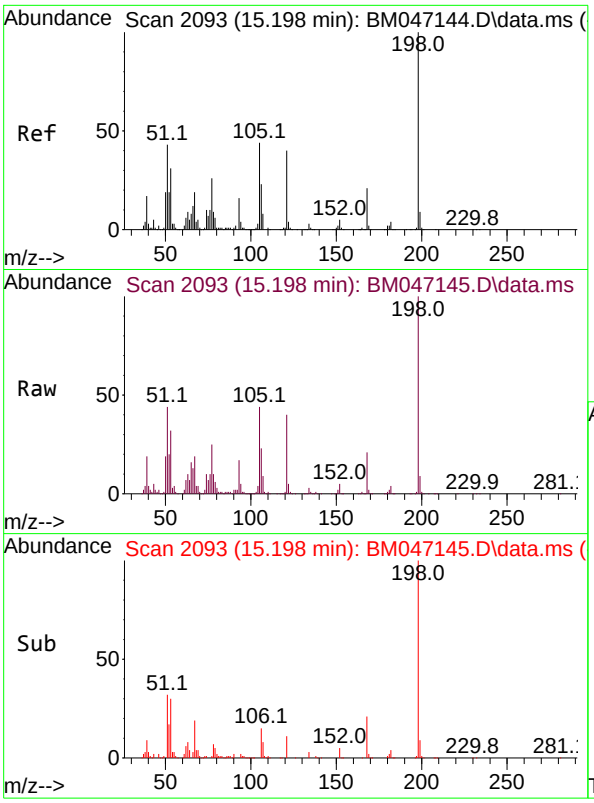


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:188 Resp: 1737042

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.0	10.6
80	10.4	8.0	12.0



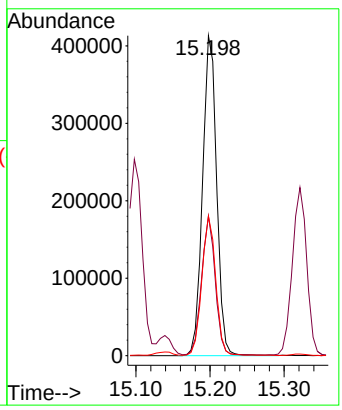


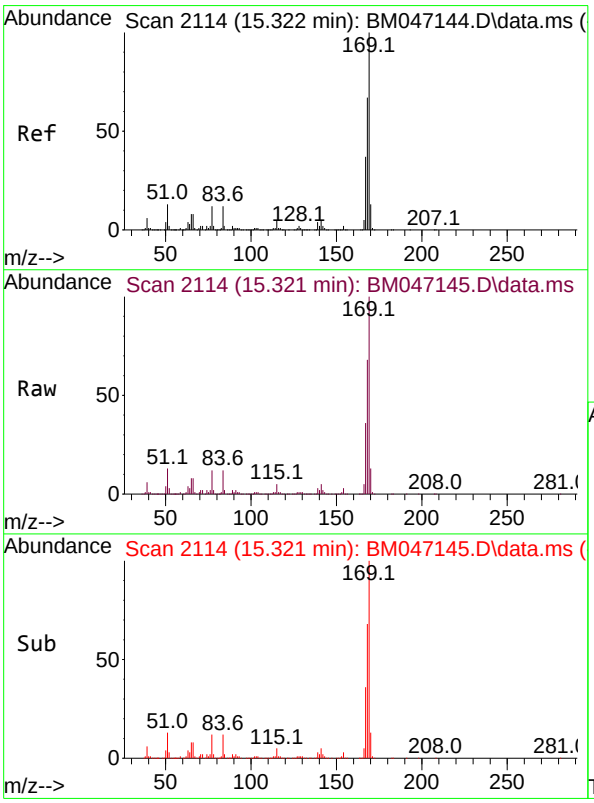
#65
4,6-Dinitro-2-methylphenol
Concen: 53.617 ng
RT: 15.198 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 545293

Ion	Ratio	Lower	Upper
198	100		
51	43.6	23.9	63.9
105	43.6	24.3	64.3

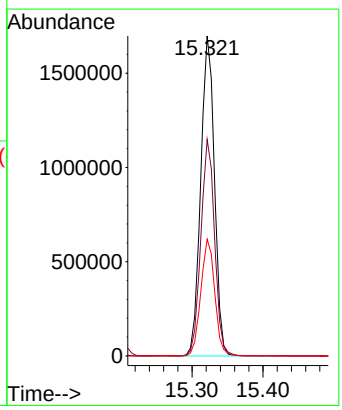


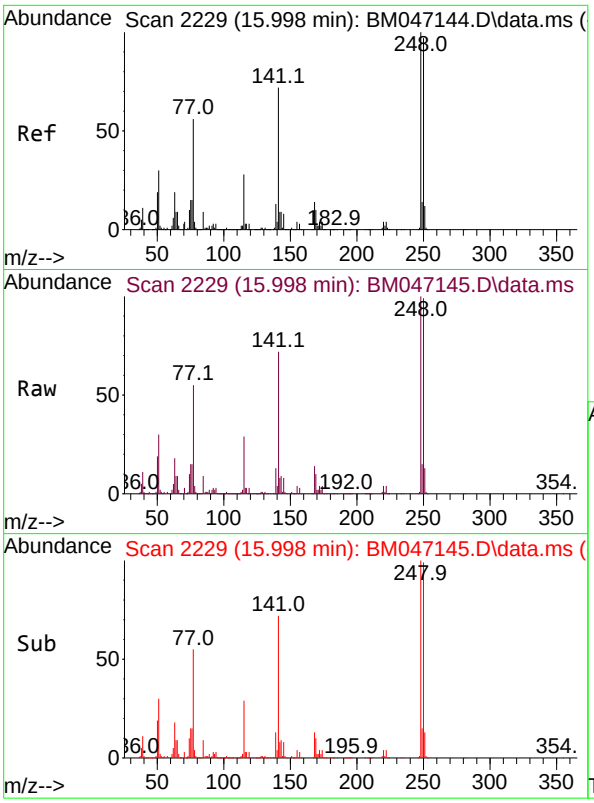


#66
n-Nitrosodiphenylamine
Concen: 48.302 ng
RT: 15.321 min Scan# 2114
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:169 Resp: 2285297

Ion	Ratio	Lower	Upper
169	100		
168	67.6	53.8	80.8
167	36.5	29.3	43.9



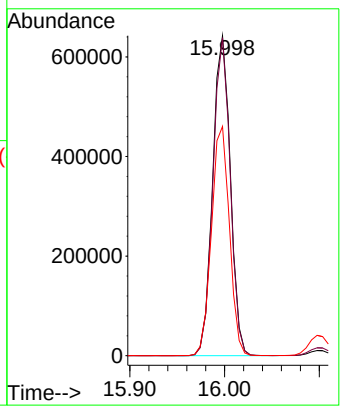


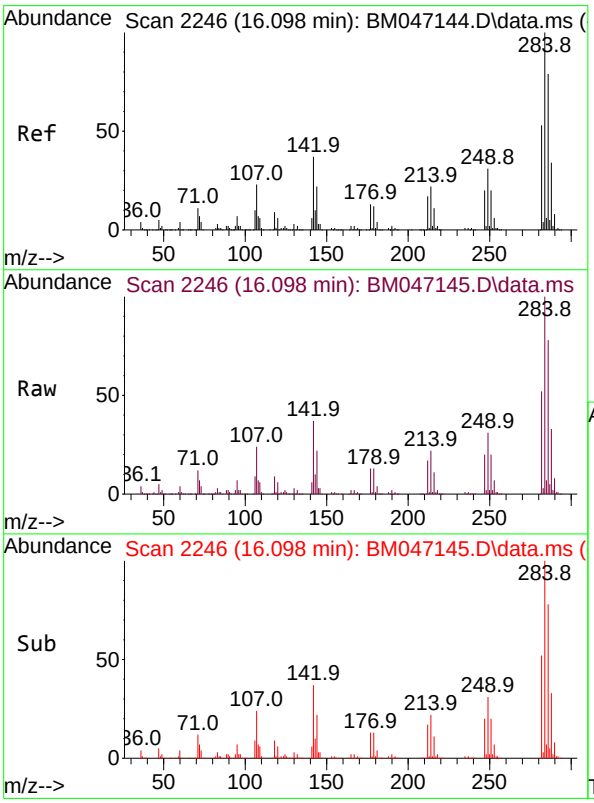
#67
4-Bromophenyl-phenylether
Concen: 49.667 ng
RT: 15.998 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 831353

Ion	Ratio	Lower	Upper
248	100		
250	99.3	77.8	116.8
141	71.6	57.7	86.5

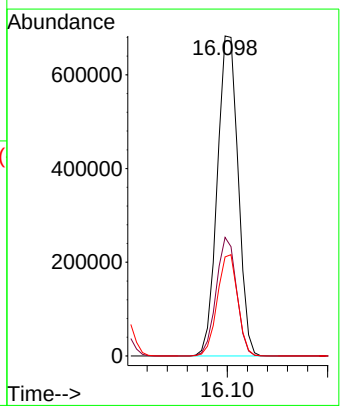


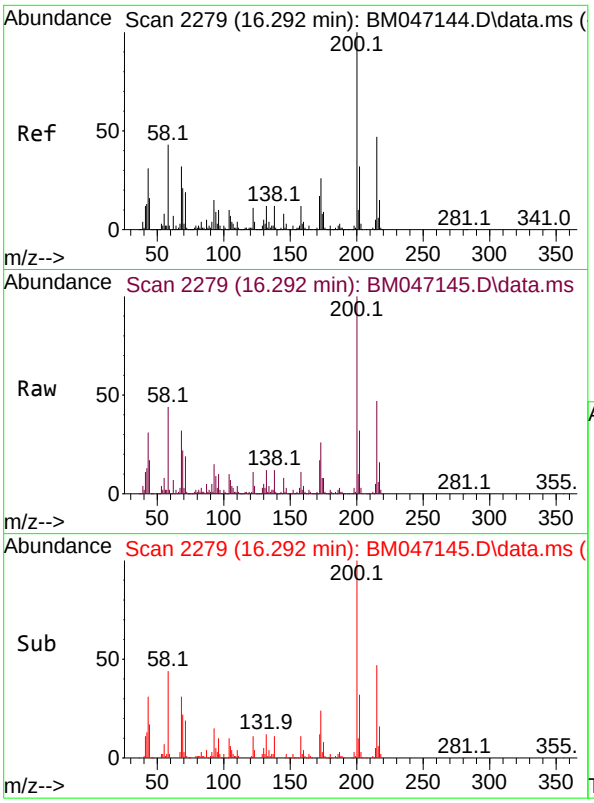


#68
Hexachlorobenzene
Concen: 49.041 ng
RT: 16.098 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:284 Resp: 983119

Ion	Ratio	Lower	Upper
284	100		
142	37.0	29.4	44.0
249	30.9	25.1	37.7



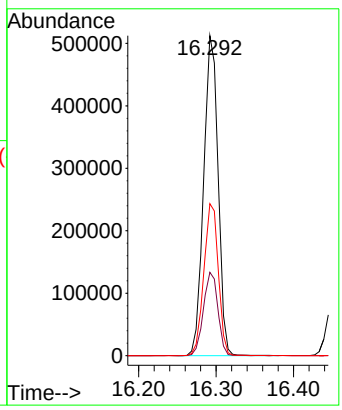


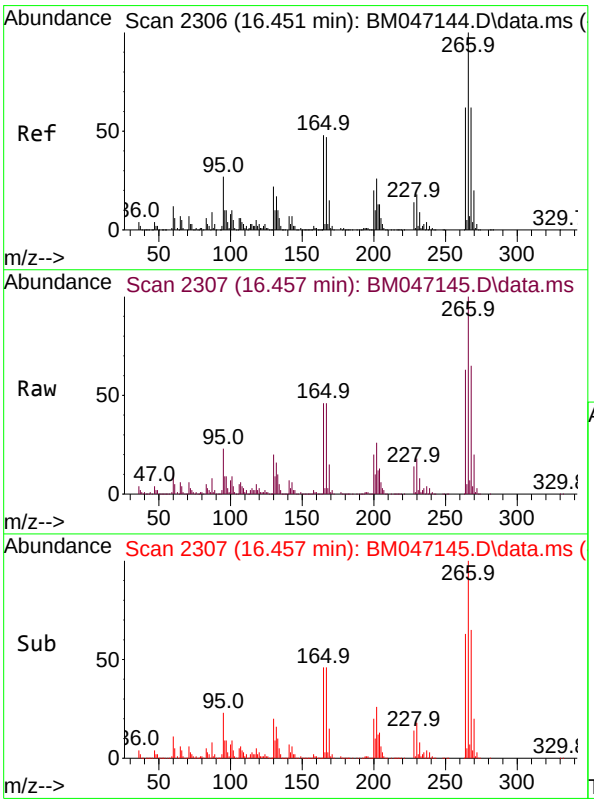
#69
Atrazine
Concen: 46.512 ng
RT: 16.292 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 662204

Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.1	46.1
215	47.5	26.8	66.8

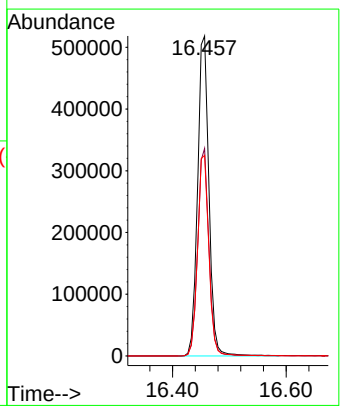


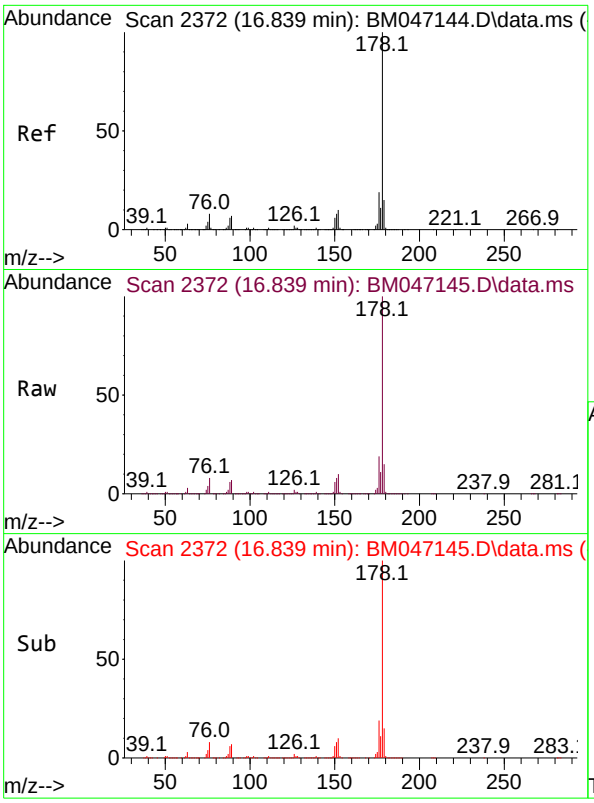


#70
Pentachlorophenol
Concen: 51.201 ng
RT: 16.457 min Scan# 2307
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:266 Resp: 719505

Ion	Ratio	Lower	Upper
266	100		
268	64.9	49.8	74.6
264	62.7	49.6	74.4



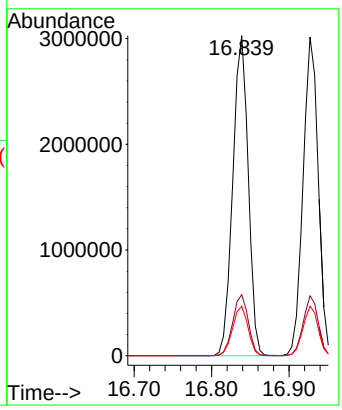


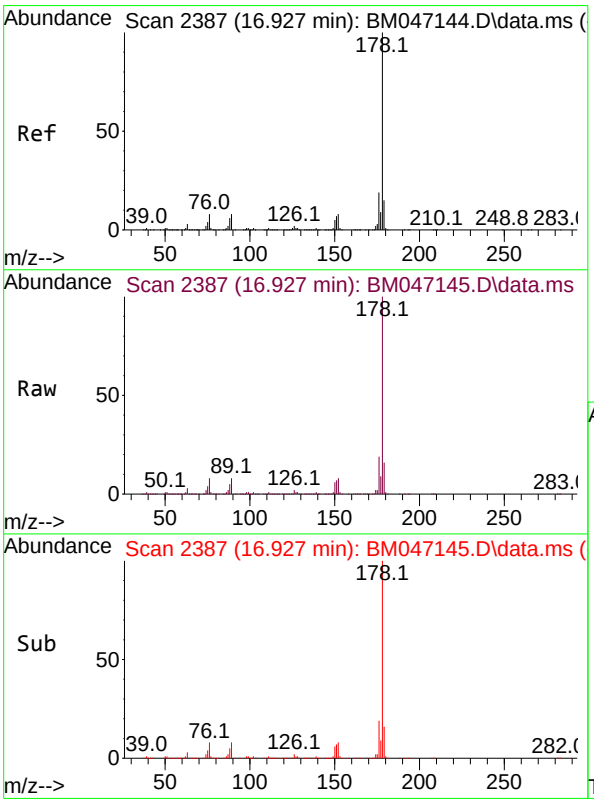
#71
Phenanthrene
Concen: 48.170 ng
RT: 16.839 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 4199256

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.4	12.4	18.6

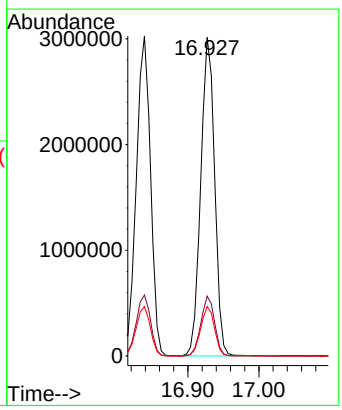


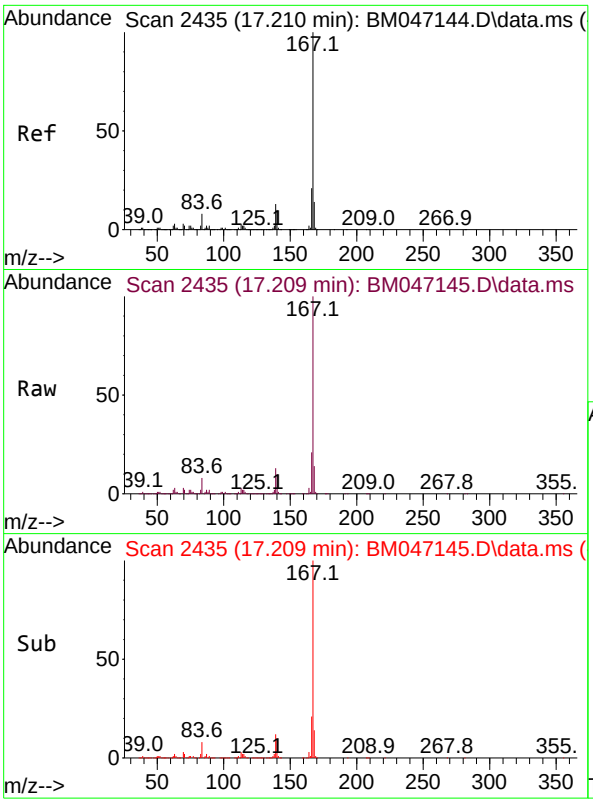


#72
Anthracene
Concen: 48.425 ng
RT: 16.927 min Scan# 2387
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:178 Resp: 4107556

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.5	12.4	18.6



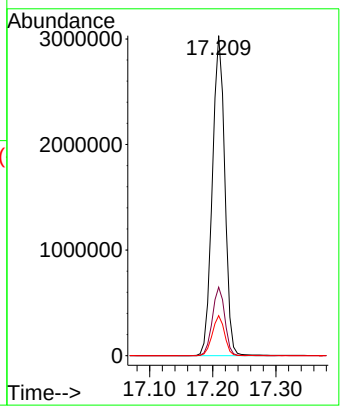


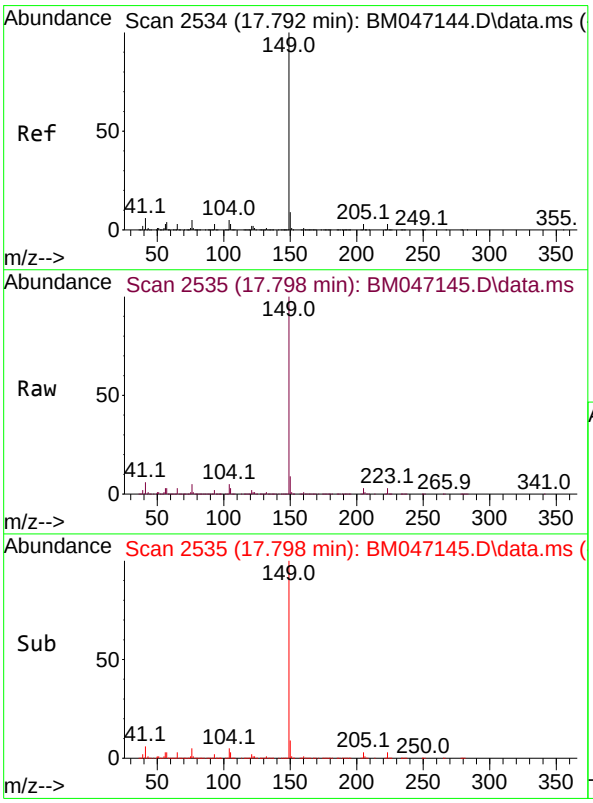
#73
Carbazole
Concen: 47.836 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 4142913

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.5	10.0	15.0

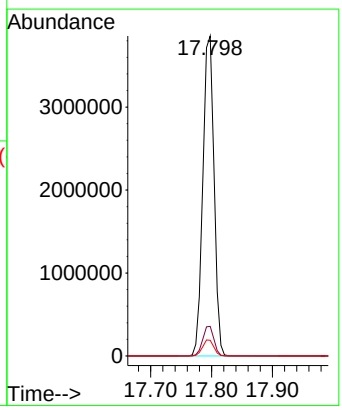


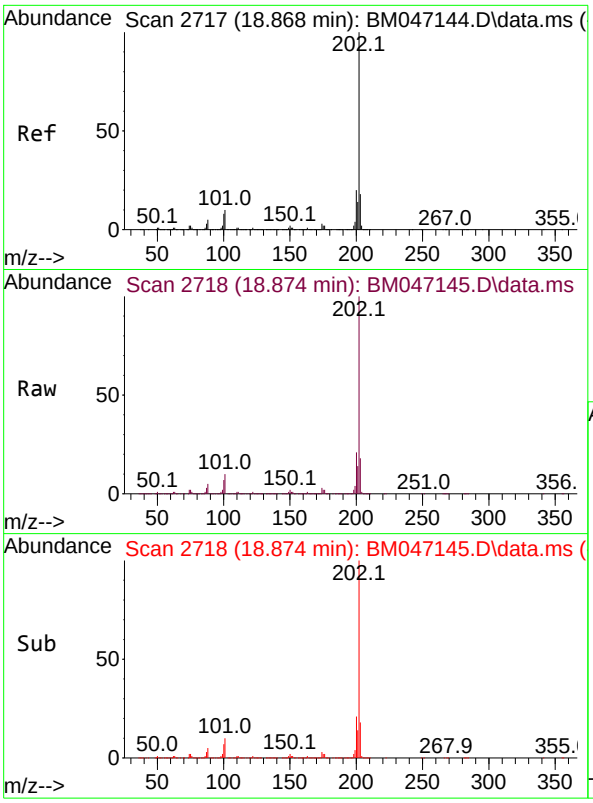


#74
Di-n-butylphthalate
Concen: 48.863 ng
RT: 17.798 min Scan# 2535
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:149 Resp: 4924066

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	4.9	4.1	6.1



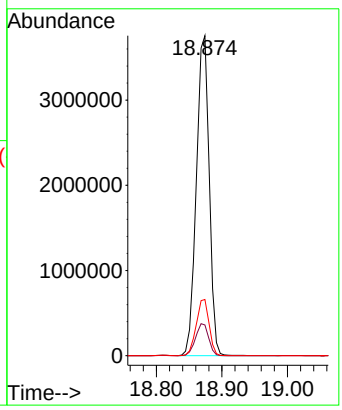


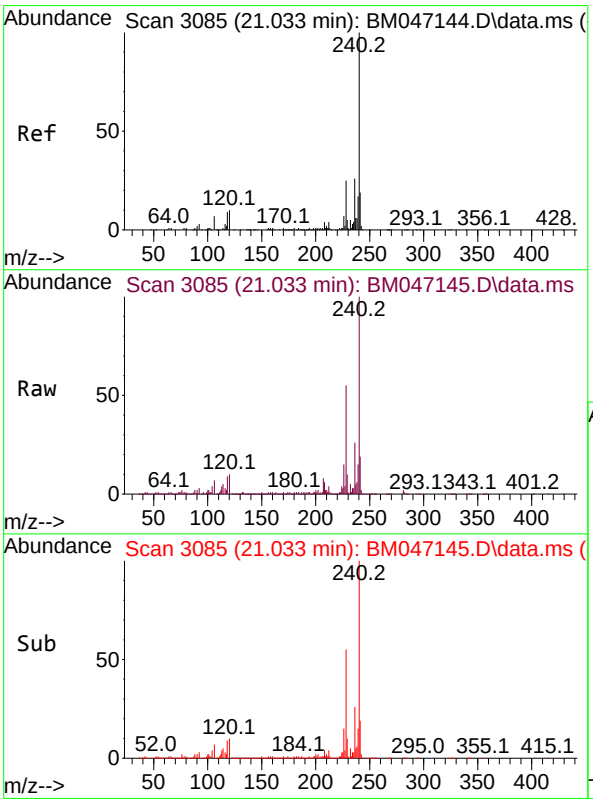
#75
Fluoranthene
Concen: 48.293 ng
RT: 18.874 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 5120629

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	30.2
203	17.6	0.0	37.6

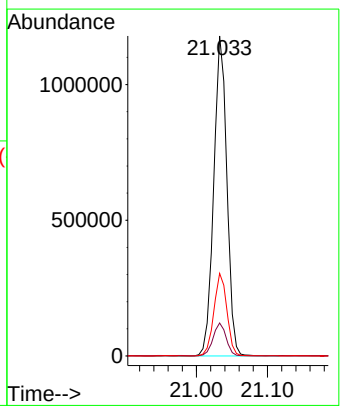


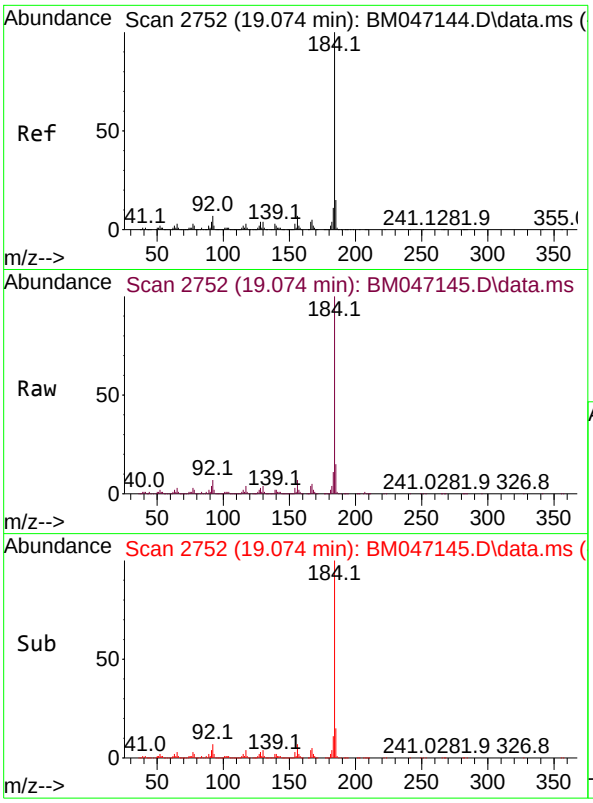


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.033 min Scan# 3085
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:240 Resp: 1511494

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.2	12.2
236	25.8	20.6	30.8



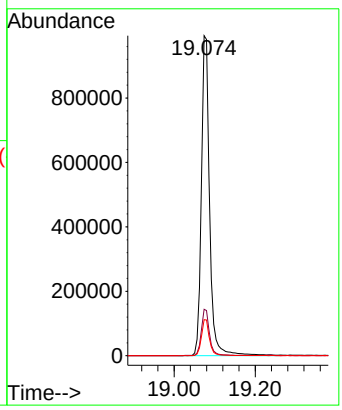


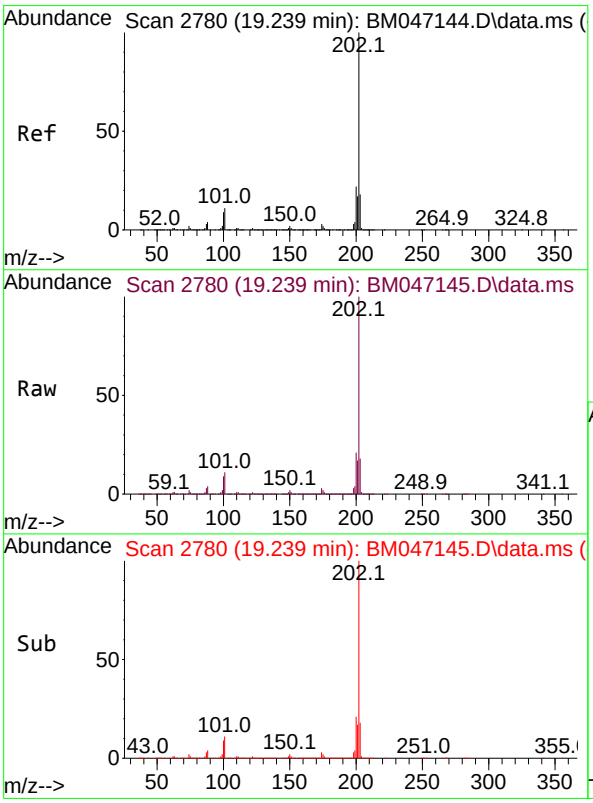
#77
Benzidine
Concen: 54.615 ng
RT: 19.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 1399934

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.8	17.6
183	11.3	9.0	13.6

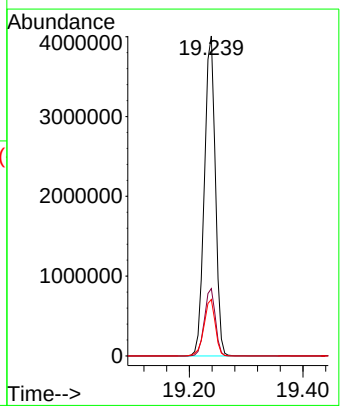


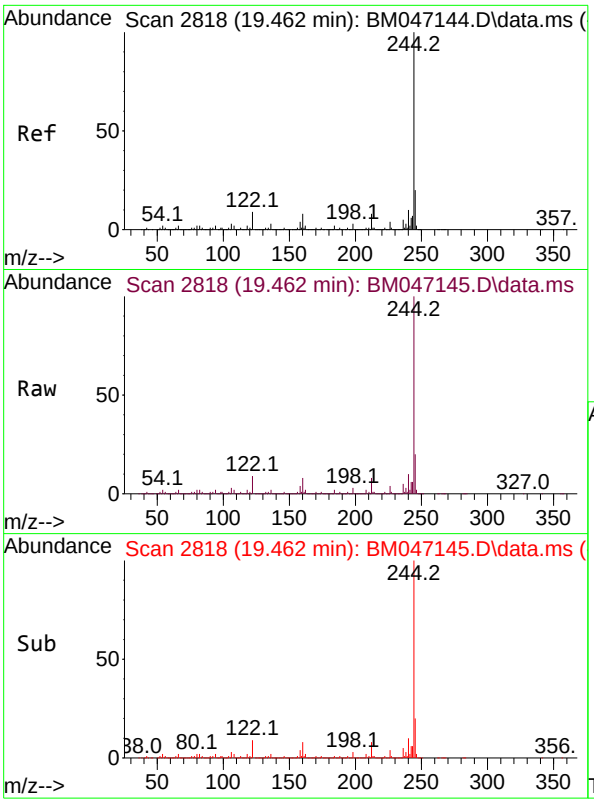


#78
Pyrene
Concen: 49.505 ng
RT: 19.239 min Scan# 2780
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:202 Resp: 5342784

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	17.6	14.2	21.2



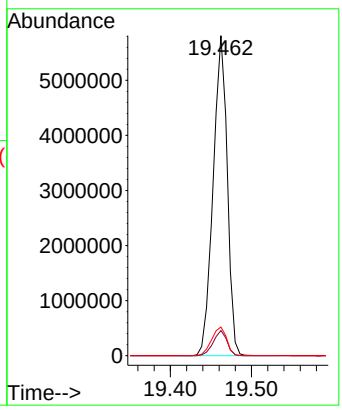


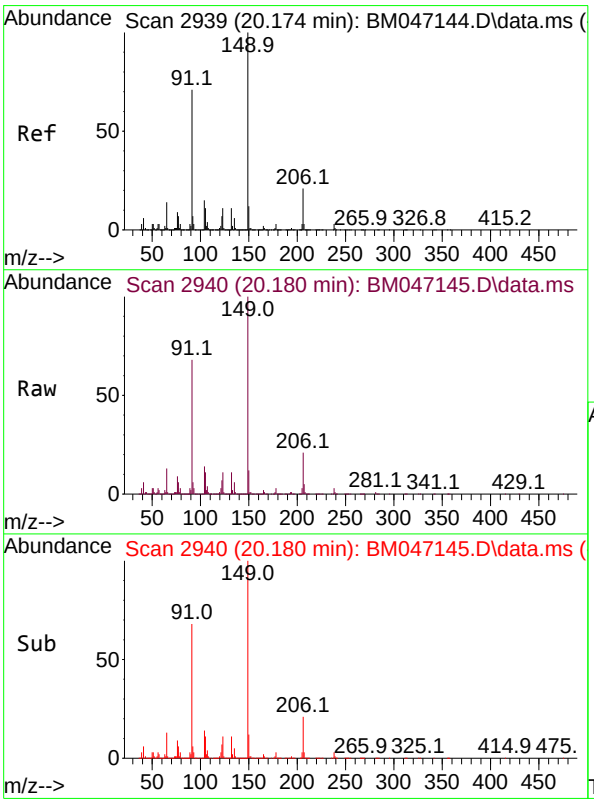
#79
Terphenyl-d14
Concen: 99.443 ng
RT: 19.462 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 7014667

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.2	9.4
122	8.9	7.1	10.7

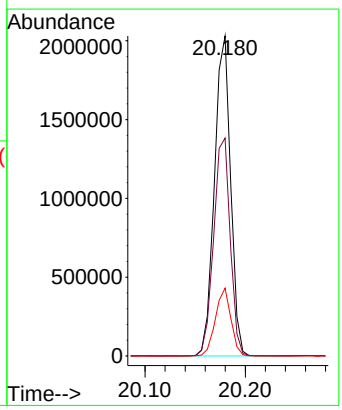


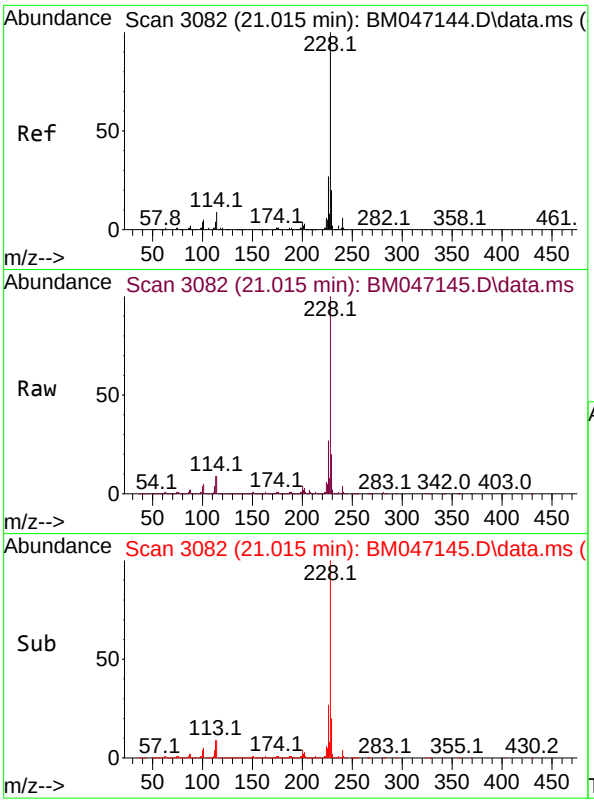


#80
Butylbenzylphthalate
Concen: 51.348 ng
RT: 20.180 min Scan# 2940
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:149 Resp: 2261582

Ion	Ratio	Lower	Upper
149	100		
91	68.1	57.0	85.4
206	21.2	16.4	24.6



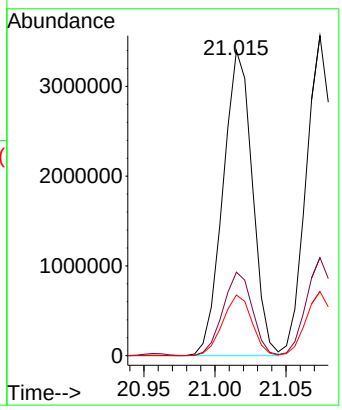


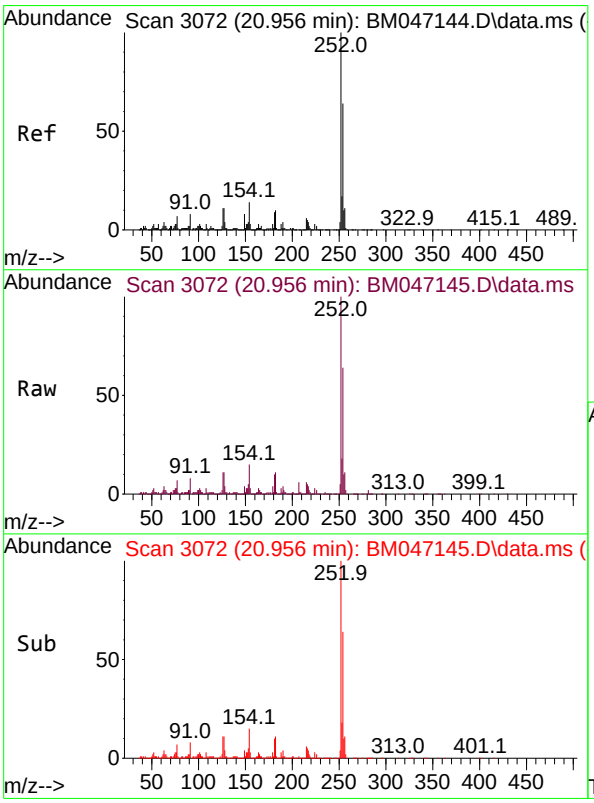
#81
Benzo(a)anthracene
Concen: 48.632 ng
RT: 21.015 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4879819

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.6
229	19.9	15.8	23.8

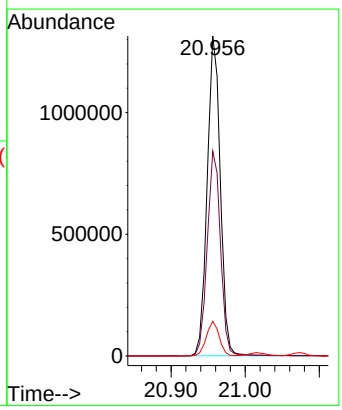


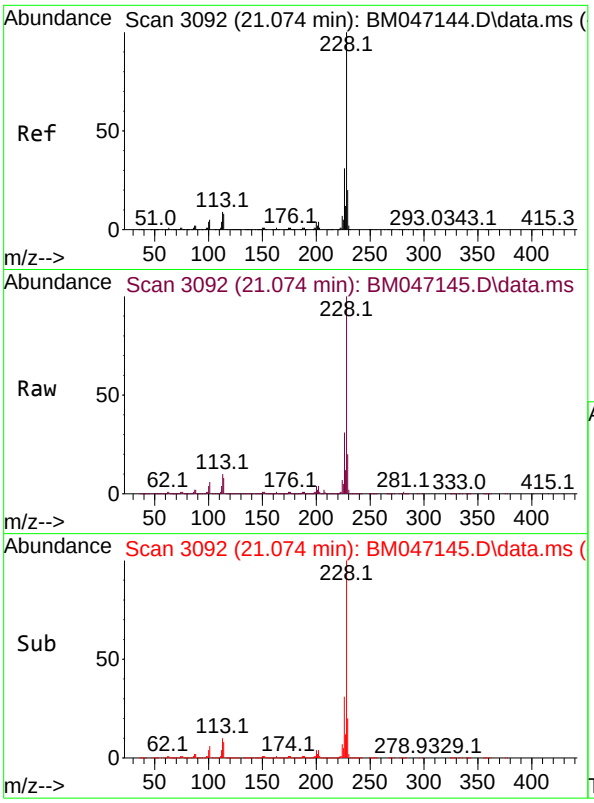


#82
3,3'-Dichlorobenzidine
Concen: 51.403 ng
RT: 20.956 min Scan# 3072
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:252 Resp: 1613787

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.0	76.6
126	10.9	8.5	12.7



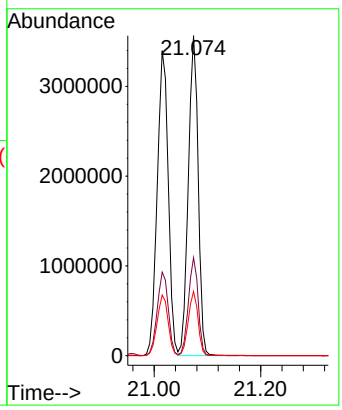


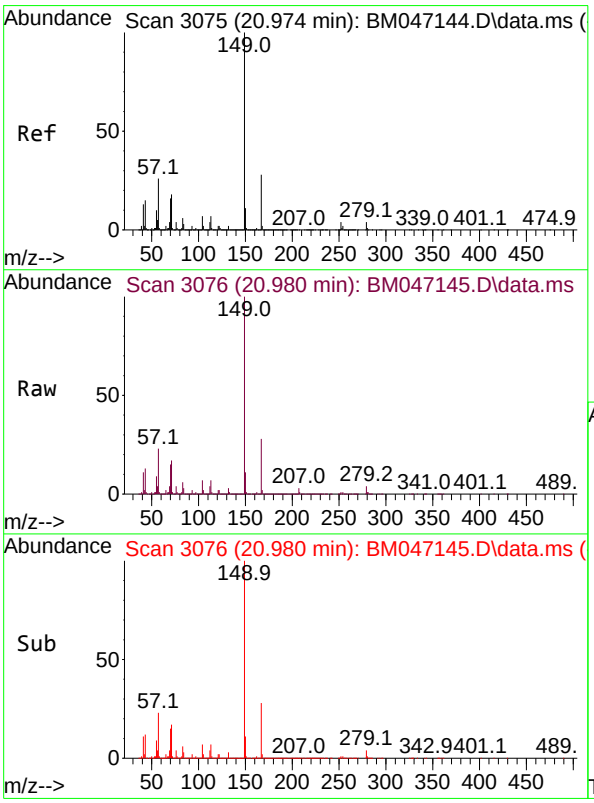
#83
Chrysene
Concen: 48.178 ng
RT: 21.074 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4586625

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.4	36.6
229	20.0	15.7	23.5

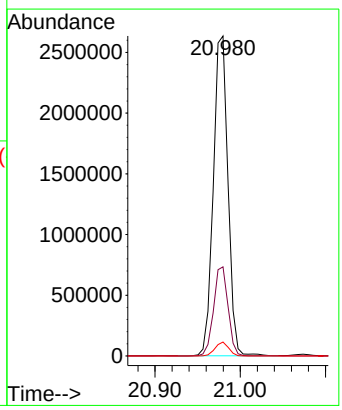


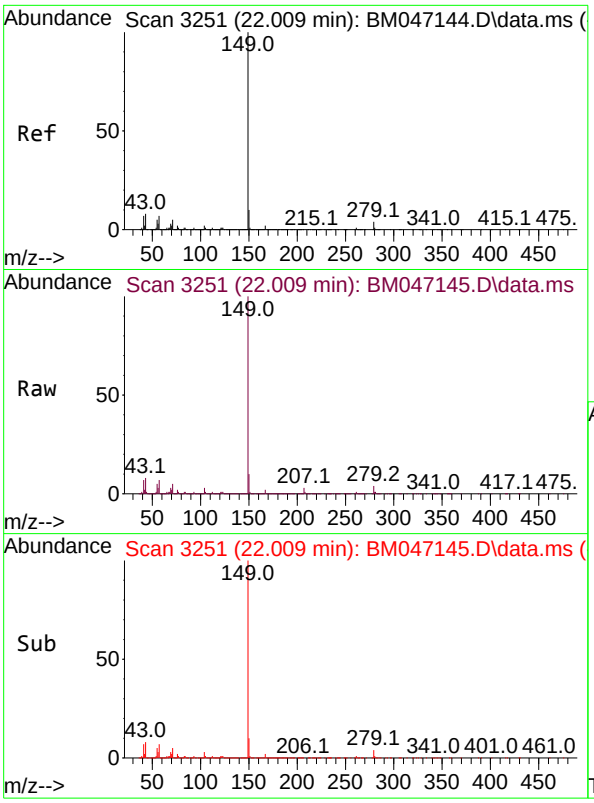


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.331 ng
RT: 20.980 min Scan# 3076
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:149 Resp: 3143788

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.2	33.2
279	4.3	3.0	4.4



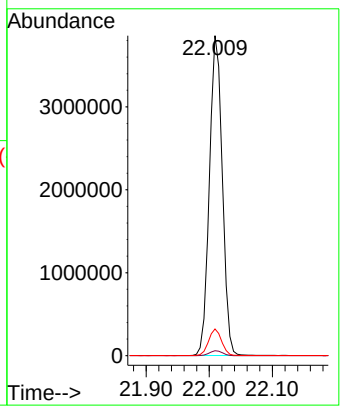


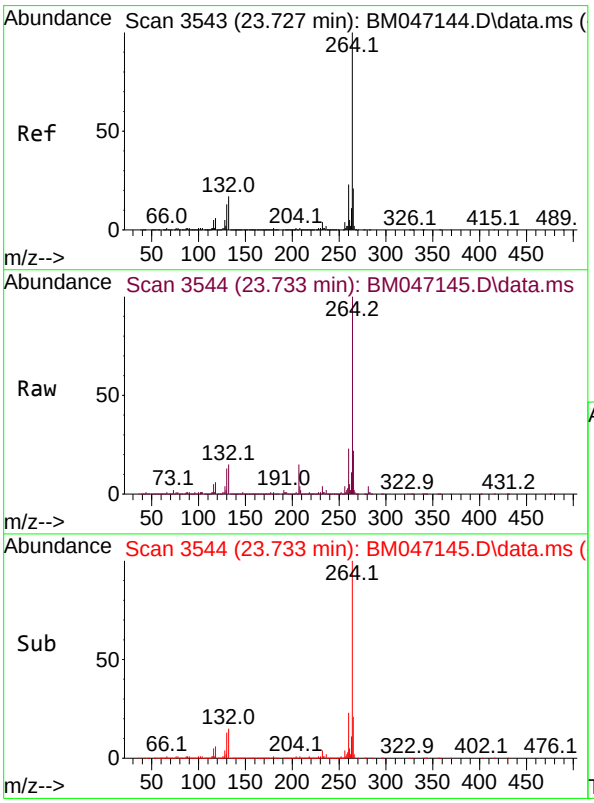
#85
Di-n-octyl phthalate
Concen: 51.591 ng
RT: 22.009 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 5477285

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.4	6.9	10.3

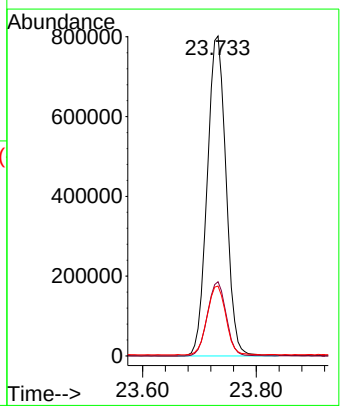


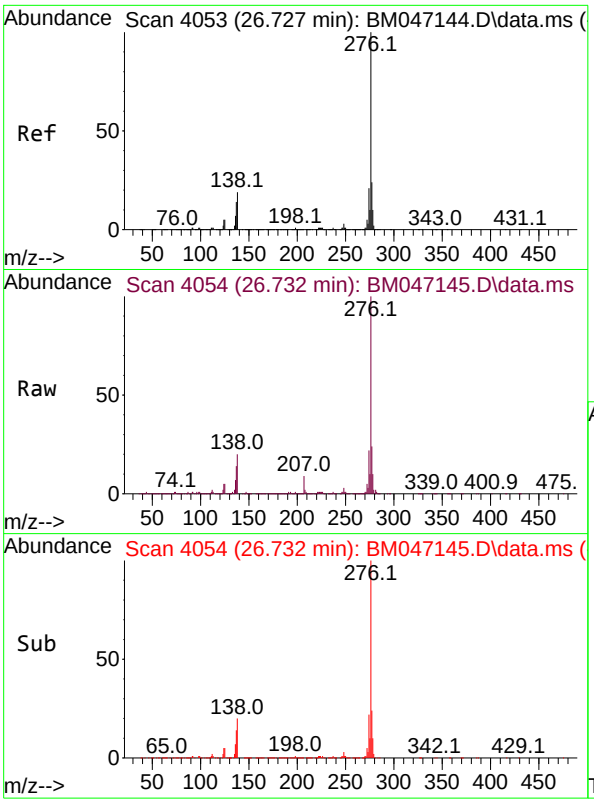


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.733 min Scan# 3544
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:264 Resp: 1841387

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	21.8	17.3	25.9



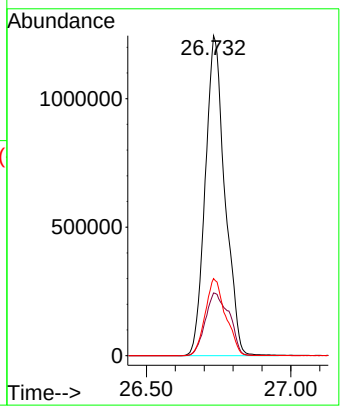


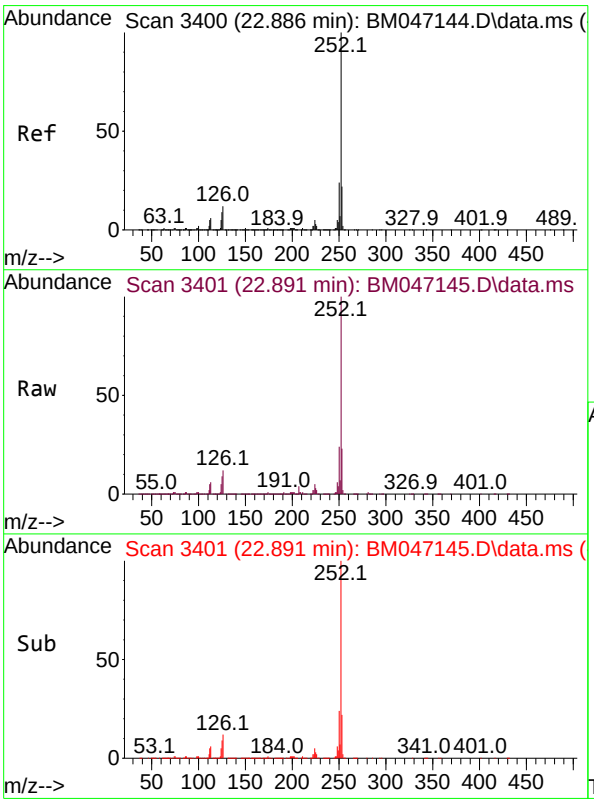
#87
Indeno(1,2,3-cd)pyrene
Concen: 49.416 ng
RT: 26.732 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 5881591

Ion	Ratio	Lower	Upper
276	100		
138	23.9	19.4	29.0
277	25.0	20.1	30.1

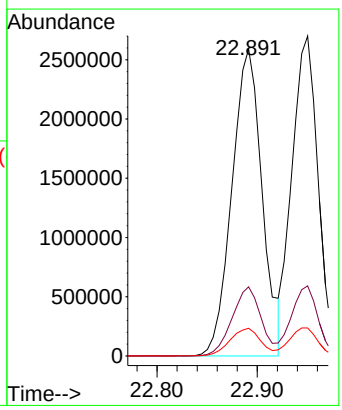


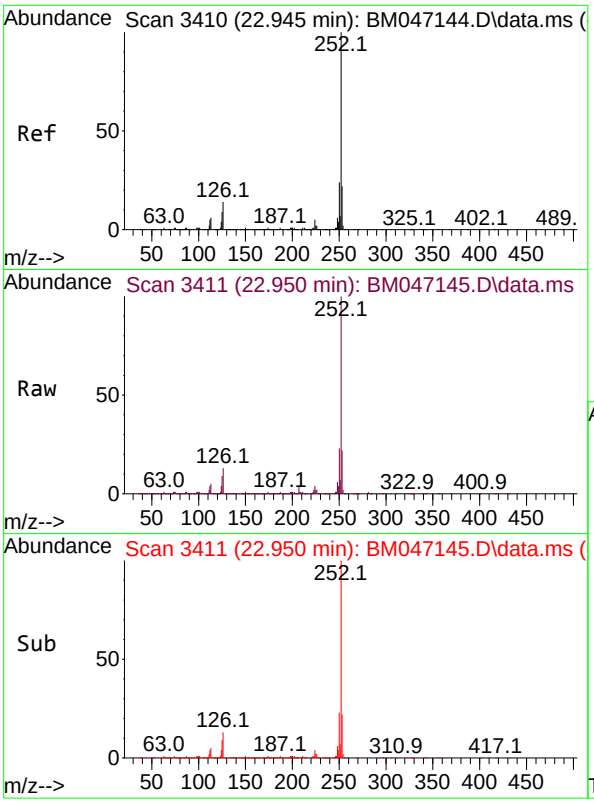


#88
Benzo(b)fluoranthene
Concen: 49.618 ng
RT: 22.891 min Scan# 3401
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:252 Resp: 5425845

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	9.0	7.4	11.0



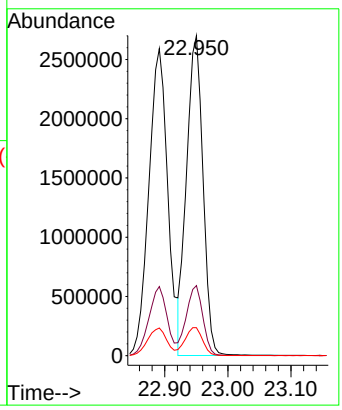


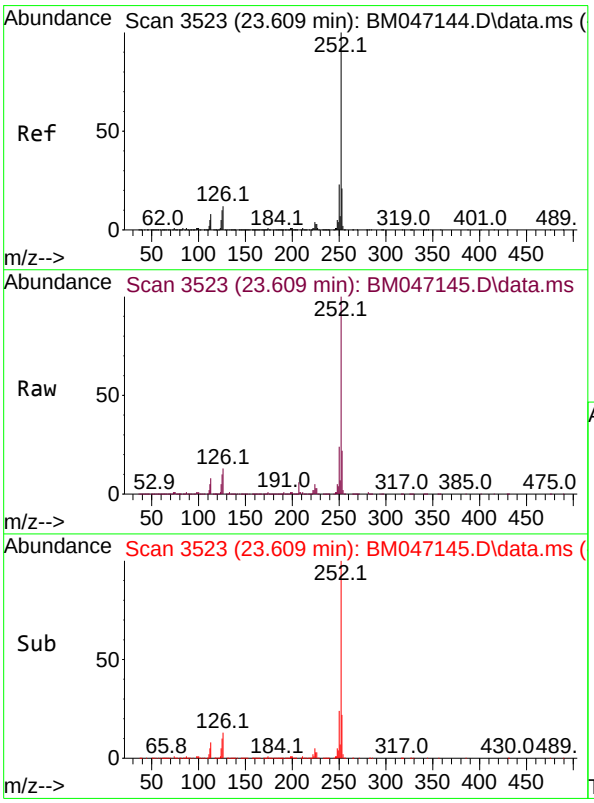
#89
Benzo(k)fluoranthene
Concen: 47.199 ng
RT: 22.950 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 4875078

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	8.7	7.4	11.2

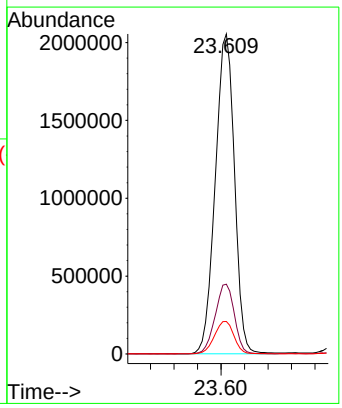


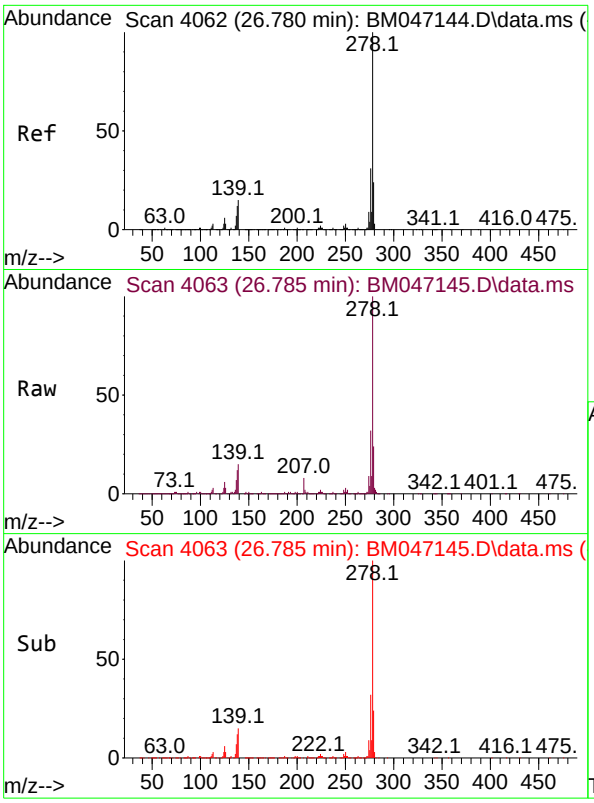


#90
Benzo(a)pyrene
Concen: 49.170 ng
RT: 23.609 min Scan# 3523
Delta R.T. -0.000 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:252 Resp: 4657835

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	10.2	8.2	12.2



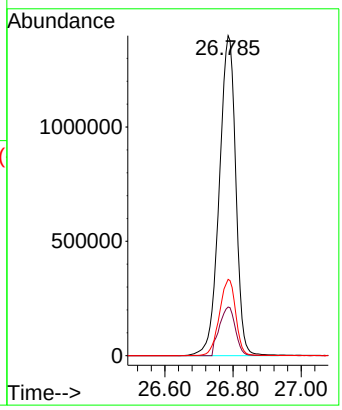


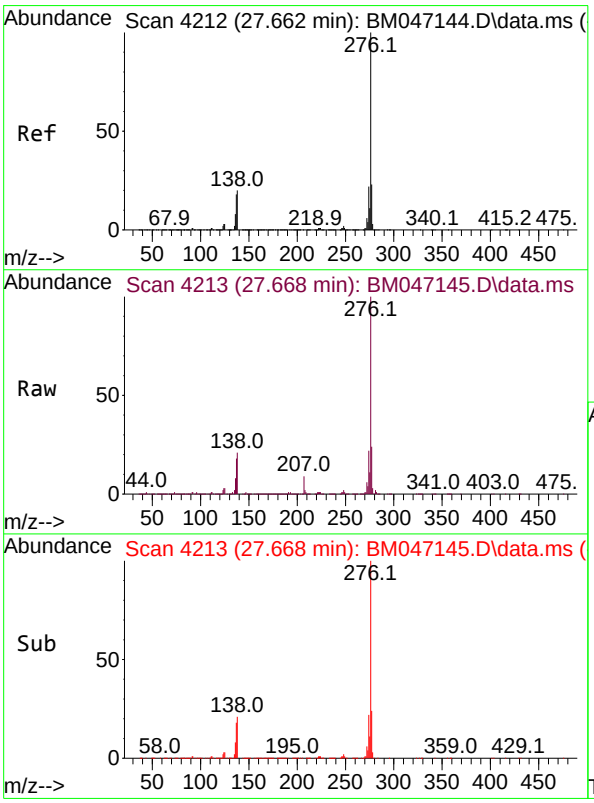
#91
Dibenzo(a,h)anthracene
Concen: 48.774 ng
RT: 26.785 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 4698026

Ion	Ratio	Lower	Upper
278	100		
139	15.2	12.0	18.0
279	23.9	19.2	28.8

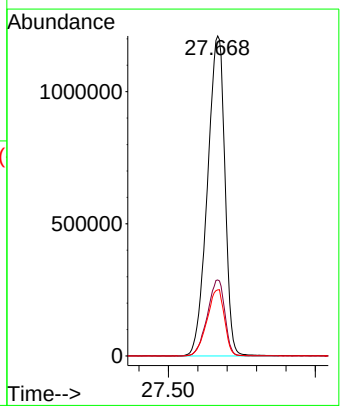




#92
Benzo(g,h,i)perylene
Concen: 49.812 ng
RT: 27.668 min Scan# 4213
Delta R.T. 0.006 min
Lab File: BM047145.D
Acq: 10 Aug 2024 16:31

Tgt Ion:276 Resp: 4981580

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	20.7	16.2	24.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047146.D
Acq On : 10 Aug 2024 17:11
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Aug 11 23:35:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.375	152	381037	20.000	ng		0.00
21) Naphthalene-d8	10.133	136	1526728	20.000	ng		0.00
39) Acenaphthene-d10	14.033	164	991306	20.000	ng		0.00
64) Phenanthrene-d10	16.798	188	2082135	20.000	ng		0.00
76) Chrysene-d12	21.033	240	1812683	20.000	ng		0.00
86) Perylene-d12	23.733	264	2151546	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.028	112	2449346	114.860	ng		0.00
7) Phenol-d6	6.593	99	3414785	116.214	ng		0.00
23) Nitrobenzene-d5	8.528	82	3495384	115.282	ng		0.00
42) 2,4,6-Tribromophenol	15.545	330	1391826	121.088	ng		0.00
45) 2-Fluorobiphenyl	12.645	172	7500034	116.705	ng		0.00
79) Terphenyl-d14	19.462	244	10315735	121.942	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.034	88	505618	57.225	ng		98
3) Pyridine	3.410	79	1511433m	58.377	ng		
4) n-Nitrosodimethylamine	3.334	42	666445	58.875	ng		99
6) Aniline	6.728	93	1595030	57.431	ng		100
8) 2-Chlorophenol	6.957	128	1333099	57.317	ng		98
9) Benzaldehyde	6.540	77	733143	58.359	ng		100
10) Phenol	6.616	94	1688399	57.586	ng		99
11) bis(2-Chloroethyl)ether	6.834	93	1446822	57.623	ng		100
12) 1,3-Dichlorobenzene	7.263	146	1592469	57.619	ng		98
13) 1,4-Dichlorobenzene	7.410	146	1614359	57.691	ng		99
14) 1,2-Dichlorobenzene	7.722	146	1495805	56.653	ng		99
15) Benzyl Alcohol	7.634	79	1258590	60.184	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.916	45	1768027	54.811	ng		99
17) 2-Methylphenol	7.839	107	1134669	58.008	ng		99
18) Hexachloroethane	8.428	117	639660	59.012	ng		100
19) n-Nitroso-di-n-propyla...	8.192	70	1096068	55.379	ng		99
20) 3+4-Methylphenols	8.169	107	1605895	58.726	ng		99
22) Acetophenone	8.198	105	2070558	56.185	ng	#	98
24) Nitrobenzene	8.569	77	1733451	56.777	ng		100
25) Isophorone	9.098	82	3108196	58.876	ng		98
26) 2-Nitrophenol	9.269	139	865172	63.987	ng		97
27) 2,4-Dimethylphenol	9.345	122	957294	60.441	ng		98
28) bis(2-Chloroethoxy)met...	9.581	93	1895700	57.068	ng		99
29) 2,4-Dichlorophenol	9.798	162	1451562	61.767	ng		100
30) 1,2,4-Trichlorobenzene	10.004	180	1589392	59.763	ng		99
31) Naphthalene	10.186	128	4415000	58.049	ng		100
32) Benzoic acid	9.575	122	1248981	67.498	ng		99
33) 4-Chloroaniline	10.316	127	1718710	58.764	ng		100
34) Hexachlorobutadiene	10.469	225	965378	62.017	ng		100
35) Caprolactam	11.151	113	503257m	61.664	ng		
36) 4-Chloro-3-methylphenol	11.463	107	1512201	60.420	ng		100
37) 2-Methylnaphthalene	11.810	142	3194966	59.000	ng		99
38) 1-Methylnaphthalene	12.033	142	3159405	59.033	ng		97
40) 1,2,4,5-Tetrachloroben...	12.192	216	1663474	61.523	ng		99
41) Hexachlorocyclopentadiene	12.169	237	620612	65.733	ng		97
43) 2,4,6-Trichlorophenol	12.451	196	1202229	62.557	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047146.D
Acq On : 10 Aug 2024 17:11
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Aug 11 23:35:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

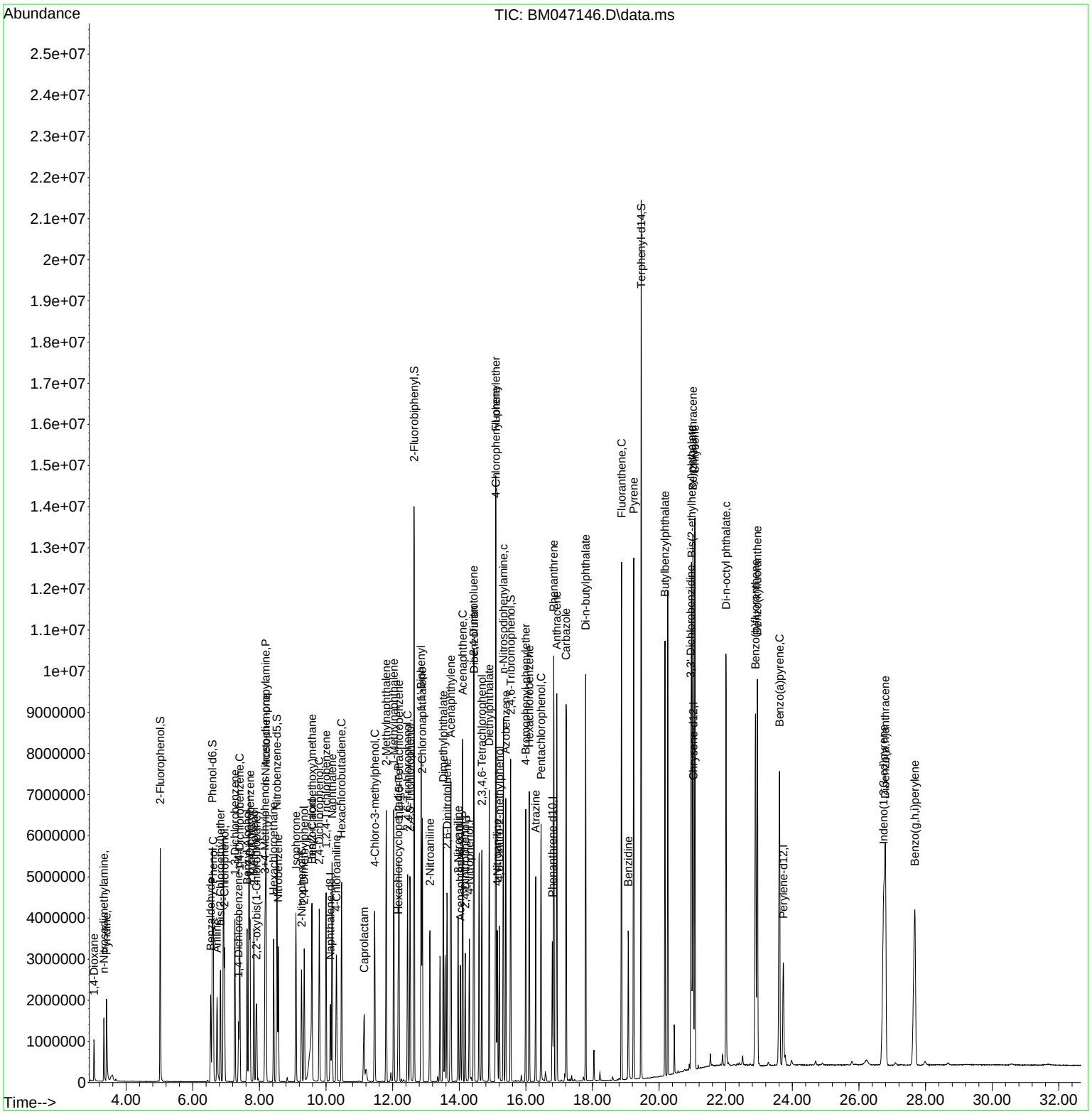
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.522	196	1329069	62.287	ng		98
46) 1,1'-Biphenyl	12.857	154	4126067	58.466	ng		99
47) 2-Chloronaphthalene	12.892	162	3192787	57.882	ng		99
48) 2-Nitroaniline	13.121	65	1051464	60.847	ng		100
49) Acenaphthylene	13.751	152	4765674	58.613	ng		100
50) Dimethylphthalate	13.521	163	4059126	58.629	ng		99
51) 2,6-Dinitrotoluene	13.633	165	995456	61.508	ng		96
52) Acenaphthene	14.104	154	3025820	58.668	ng		99
53) 3-Nitroaniline	13.969	138	1000744	61.708	ng		100
54) 2,4-Dinitrophenol	14.180	184	647477	66.750	ng		97
55) Dibenzofuran	14.445	168	4709496	57.809	ng		99
56) 4-Nitrophenol	14.304	139	879989	62.927	ng		96
57) 2,4-Dinitrotoluene	14.433	165	1323234	61.255	ng		98
58) Fluorene	15.098	166	3885304	57.801	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.680	232	1088974	62.097	ng		98
60) Diethylphthalate	14.904	149	4128072	58.389	ng		99
61) 4-Chlorophenyl-phenyle...	15.104	204	1916971	59.903	ng		96
62) 4-Nitroaniline	15.145	138	978393	61.238	ng		99
63) Azobenzene	15.398	77	3820106	56.986	ng		98
65) 4,6-Dinitro-2-methylph...	15.204	198	799367	65.573	ng		96
66) n-Nitrosodiphenylamine	15.327	169	3326078	58.648	ng		99
67) 4-Bromophenyl-phenylether	15.998	248	1234868	61.547	ng		98
68) Hexachlorobenzene	16.104	284	1431249	59.562	ng		97
69) Atrazine	16.298	200	906491	53.118	ng		99
70) Pentachlorophenol	16.457	266	1086504	64.503	ng		99
71) Phenanthrene	16.839	178	6082429	58.208	ng		100
72) Anthracene	16.933	178	6001835	59.030	ng		99
73) Carbazole	17.209	167	5990202	57.702	ng		100
74) Di-n-butylphthalate	17.798	149	7121063	58.952	ng		100
75) Fluoranthene	18.874	202	7540518	59.328	ng		99
77) Benzidine	19.074	184	2113957	68.768	ng		100
78) Pyrene	19.239	202	7862143	60.744	ng		100
80) Butylbenzylphthalate	20.180	149	3347760	63.380	ng		96
81) Benzo(a)anthracene	21.015	228	7197782	59.814	ng		99
82) 3,3'-Dichlorobenzidine	20.956	252	2319044	61.593	ng		99
83) Chrysene	21.074	228	6712104	58.790	ng		99
84) Bis(2-ethylhexyl)phtha...	20.980	149	4599112	61.396	ng	#	99
85) Di-n-octyl phthalate	22.009	149	8171642	64.180	ng		99
87) Indeno(1,2,3-cd)pyrene	26.744	276	7917132	56.929	ng		99
88) Benzo(b)fluoranthene	22.897	252	7789248	60.962	ng		99
89) Benzo(k)fluoranthene	22.950	252	7202578	59.680	ng		99
90) Benzo(a)pyrene	23.615	252	6751397	60.997	ng		99
91) Dibenzo(a,h)anthracene	26.791	278	6367453	56.576	ng		100
92) Benzo(g,h,i)perylene	27.679	276	6483852	55.488	ng		99

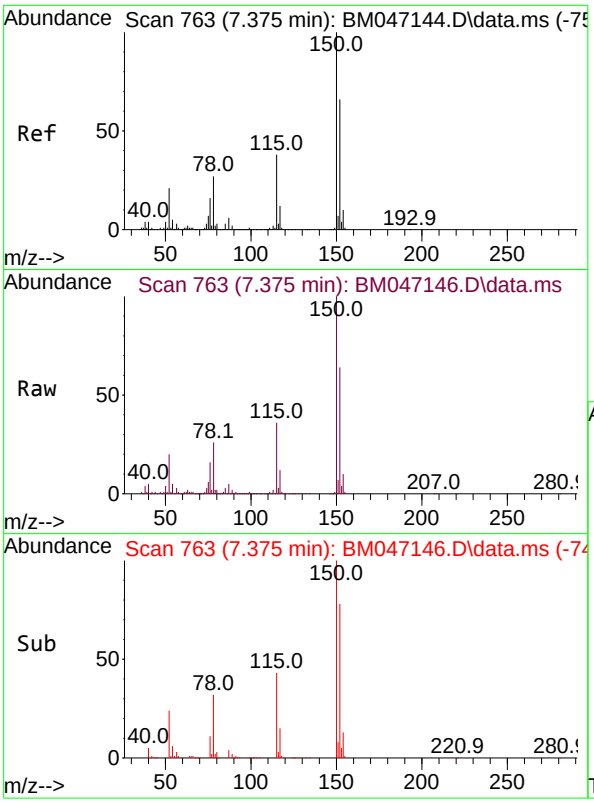
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047146.D
Acq On : 10 Aug 2024 17:11
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Aug 11 23:35:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration



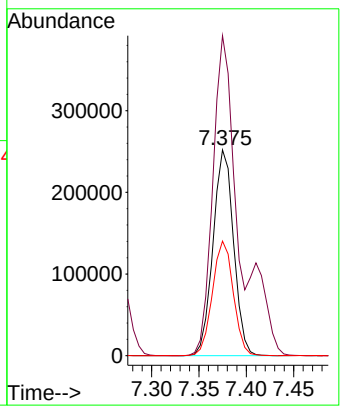


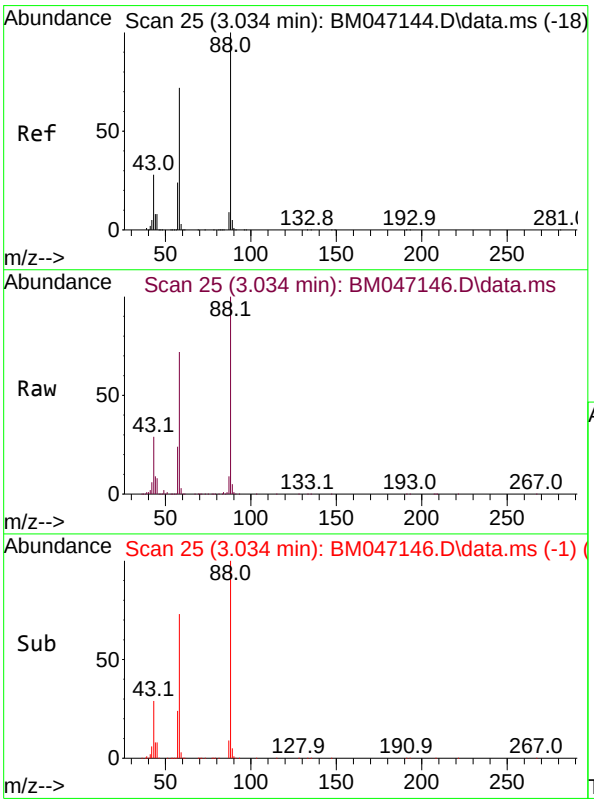
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 381037

Ion	Ratio	Lower	Upper
152	100		
150	155.6	120.5	180.7
115	55.7	45.5	68.3

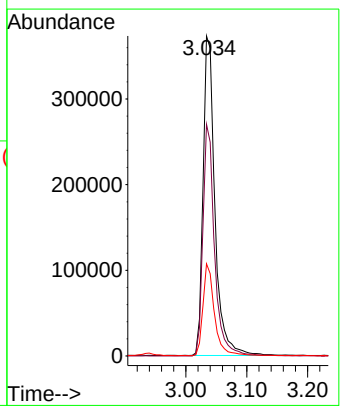


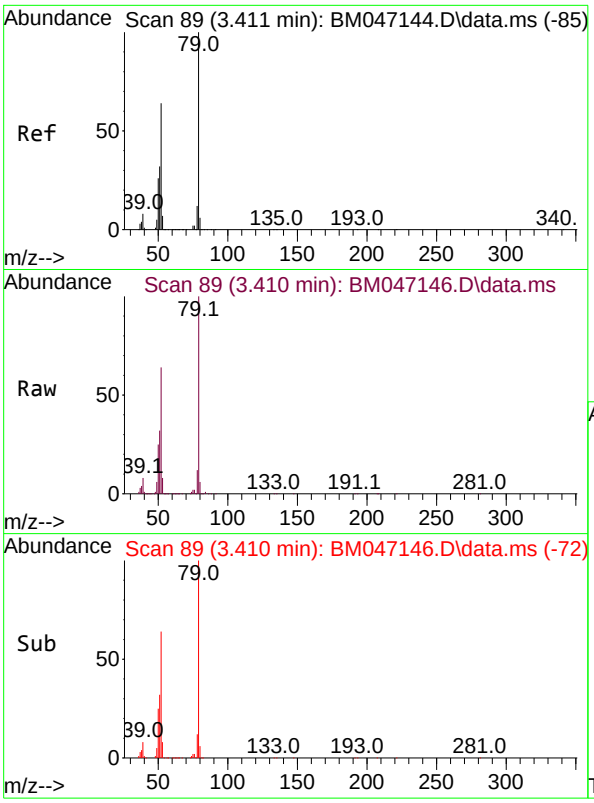


#2
1,4-Dioxane
Concen: 57.225 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion: 88 Resp: 505618

Ion	Ratio	Lower	Upper
88	100		
58	71.2	58.2	87.4
43	27.9	22.5	33.7



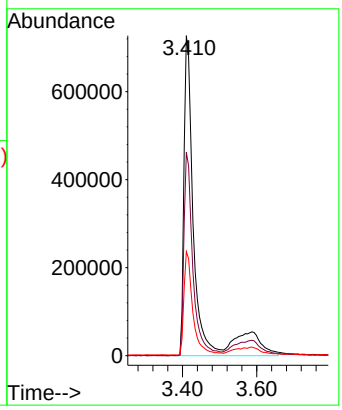


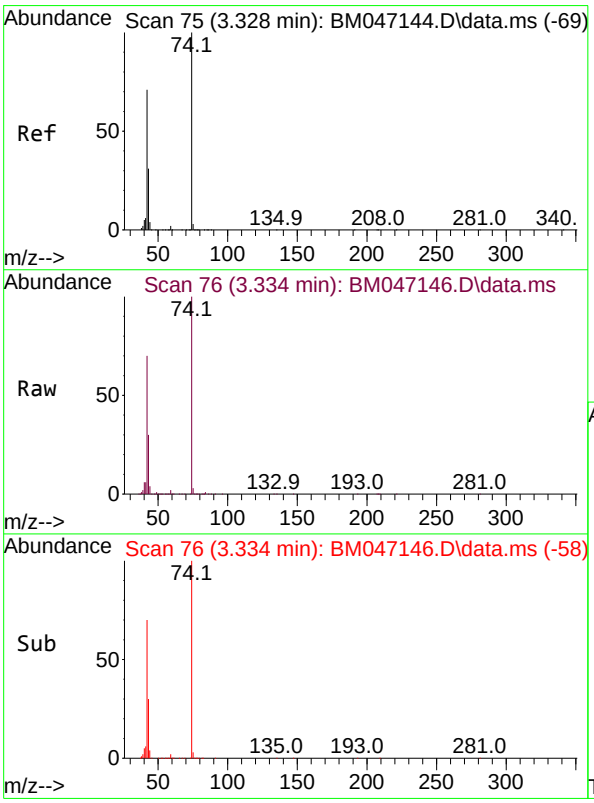
#3
Pyridine
Concen: 58.377 ng m
RT: 3.410 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1511433

Ion	Ratio	Lower	Upper
79	100		
52	63.6	51.2	76.8
51	32.5	26.1	39.1

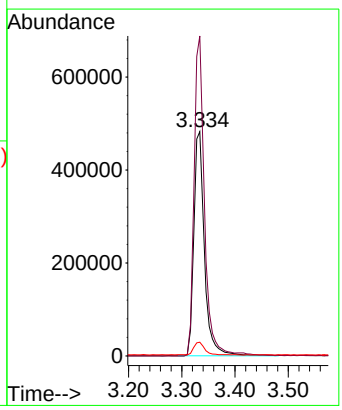


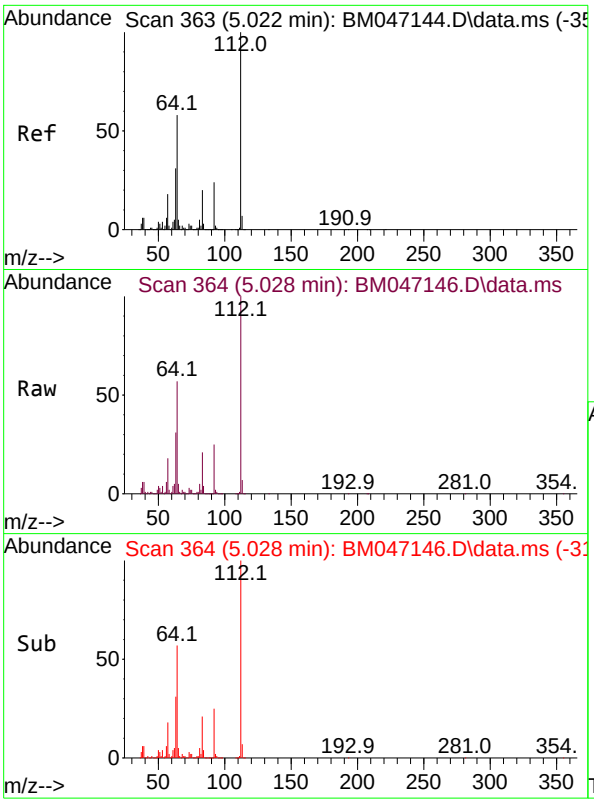


#4
n-Nitrosodimethylamine
Concen: 58.875 ng
RT: 3.334 min Scan# 76
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion: 42 Resp: 666445

Ion	Ratio	Lower	Upper
42	100		
74	142.7	112.9	169.3
44	6.1	5.3	7.9



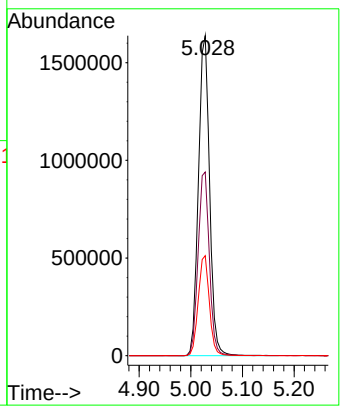


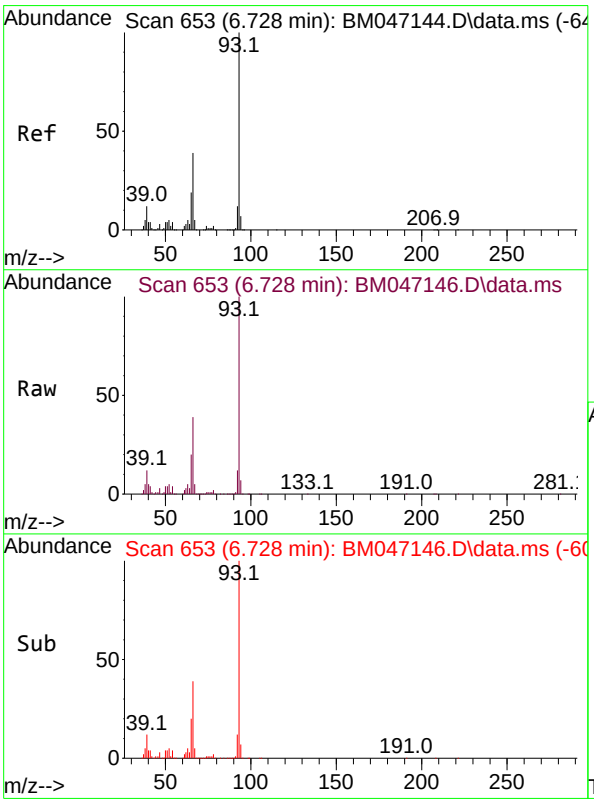
#5
2-Fluorophenol
Concen: 114.860 ng
RT: 5.028 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 2449346

Ion	Ratio	Lower	Upper
112	100		
64	57.4	46.7	70.1
63	31.3	24.8	37.2

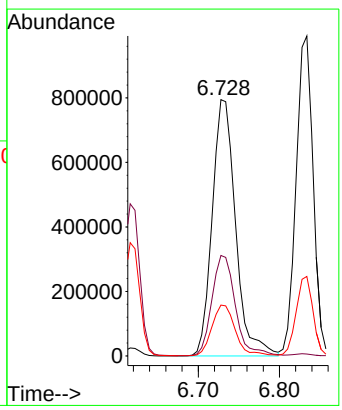


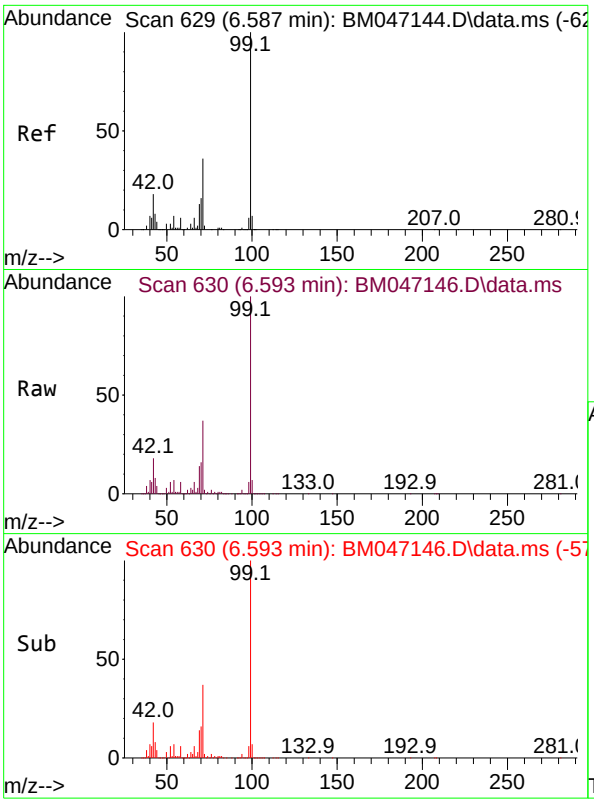


#6
Aniline
Concen: 57.431 ng
RT: 6.728 min Scan# 653
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion: 93 Resp: 1595030

Ion	Ratio	Lower	Upper
93	100		
66	39.2	31.4	47.2
65	19.9	15.6	23.4



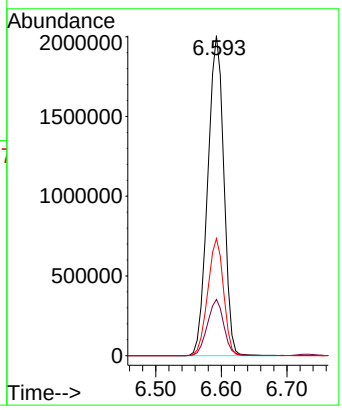


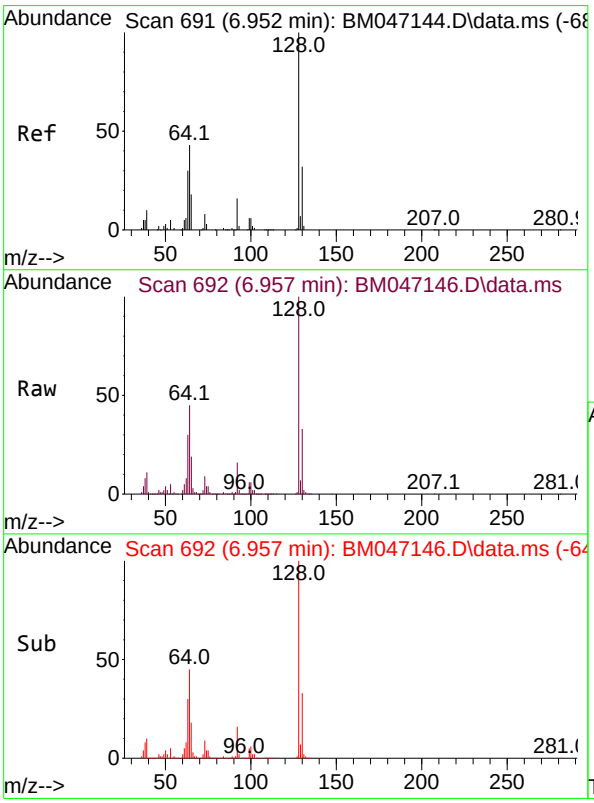
#7
Phenol-d6
Concen: 116.214 ng
RT: 6.593 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 3414785

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.1	21.1
71	36.6	28.5	42.7

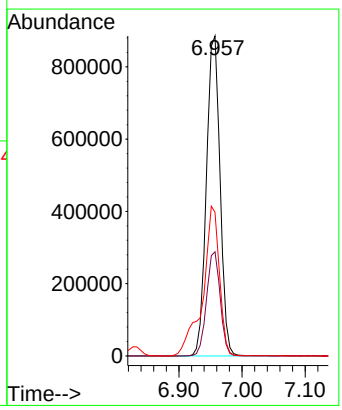


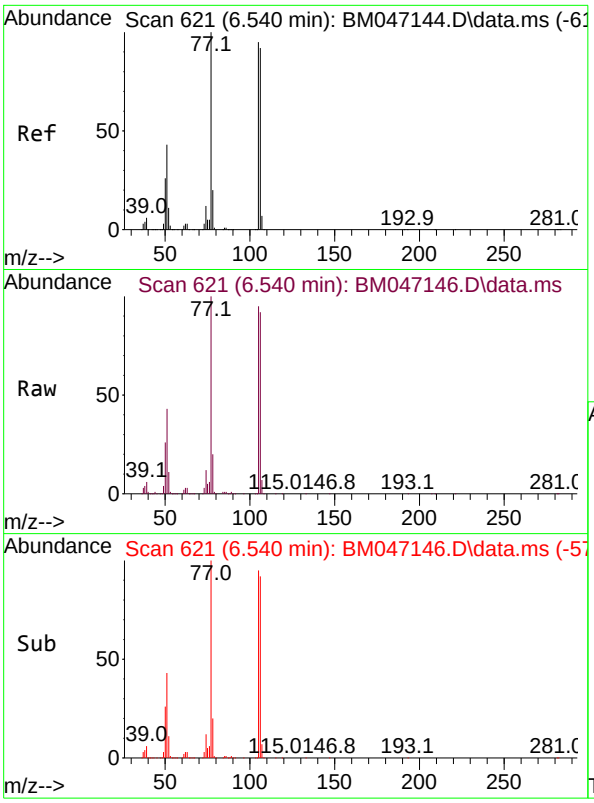


#8
2-Chlorophenol
Concen: 57.317 ng
RT: 6.957 min Scan# 692
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:128 Resp: 1333099

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.1	52.1
64	44.9	26.6	66.6



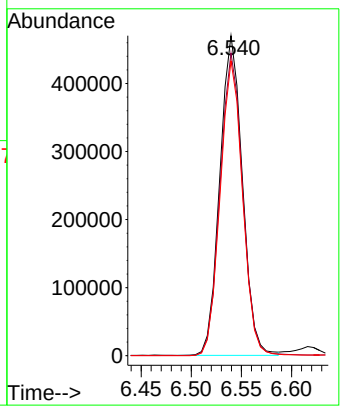


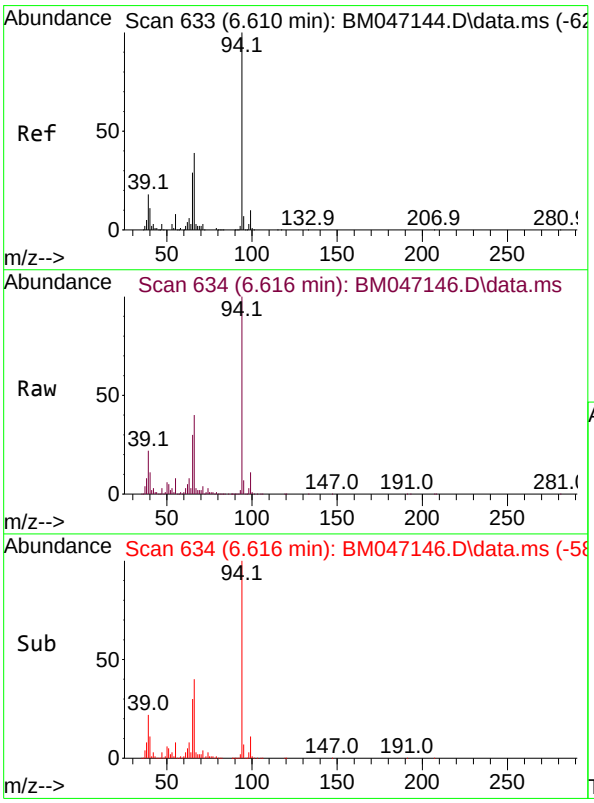
#9
Benzaldehyde
Concen: 58.359 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 733143

Ion	Ratio	Lower	Upper
77	100		
105	94.6	74.5	114.5
106	92.1	72.3	112.3

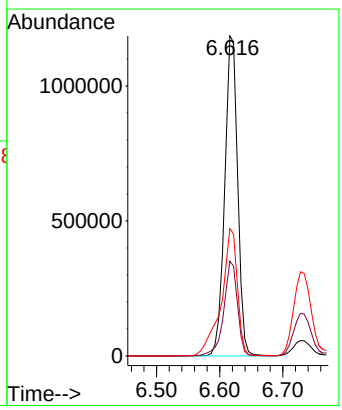


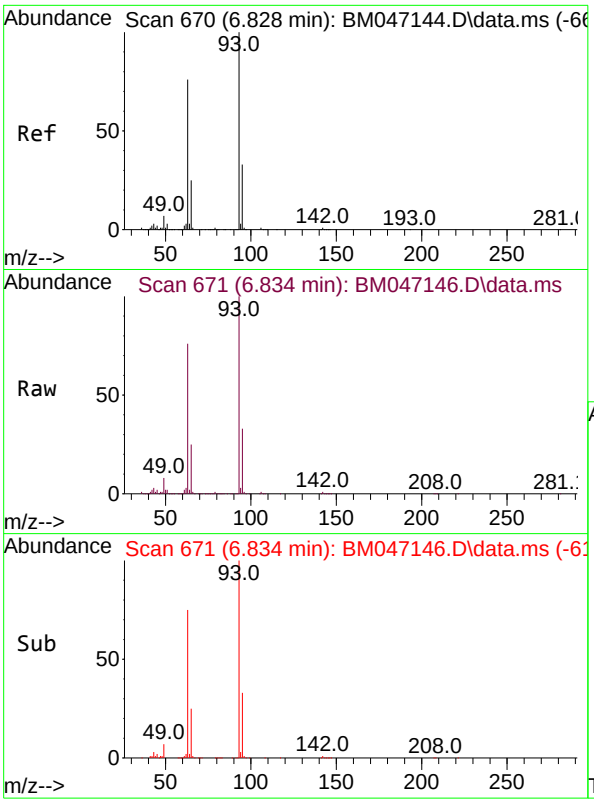


#10
Phenol
Concen: 57.586 ng
RT: 6.616 min Scan# 634
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion: 94 Resp: 1688399

Ion	Ratio	Lower	Upper
94	100		
65	29.6	9.0	49.0
66	39.8	18.9	58.9



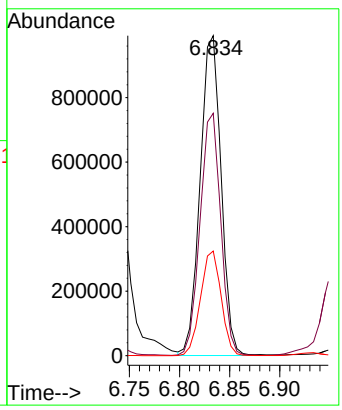


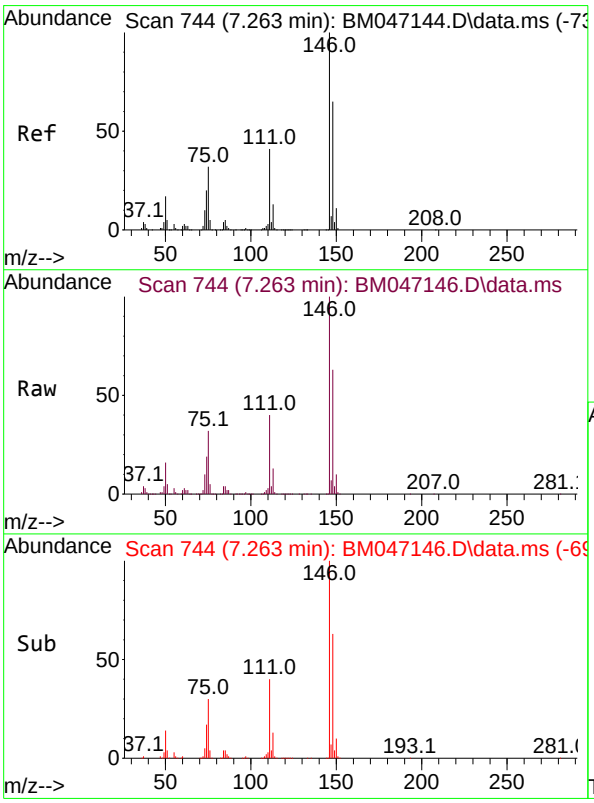
#11
bis(2-Chloroethyl)ether
Concen: 57.623 ng
RT: 6.834 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 1446822

Ion	Ratio	Lower	Upper
93	100		
63	75.7	55.8	95.8
95	32.7	12.7	52.7

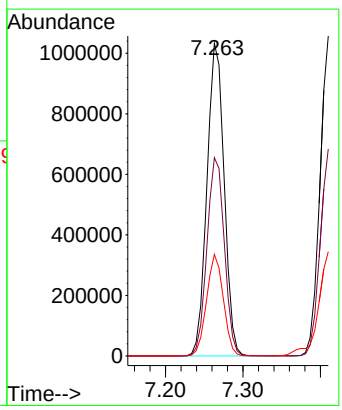


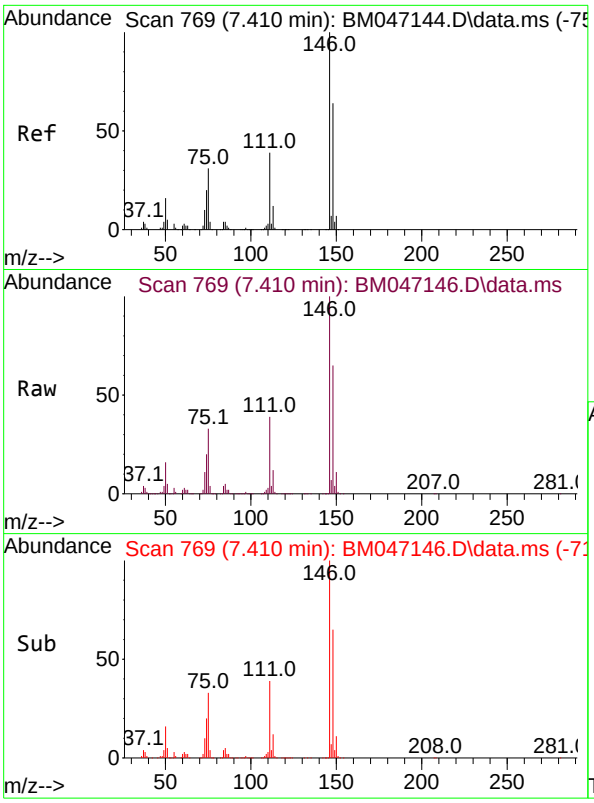


#12
1,3-Dichlorobenzene
Concen: 57.619 ng
RT: 7.263 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:146 Resp: 1592469

Ion	Ratio	Lower	Upper
146	100		
148	63.4	52.3	78.5
75	32.5	25.8	38.6



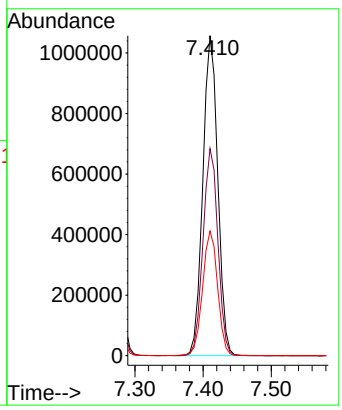


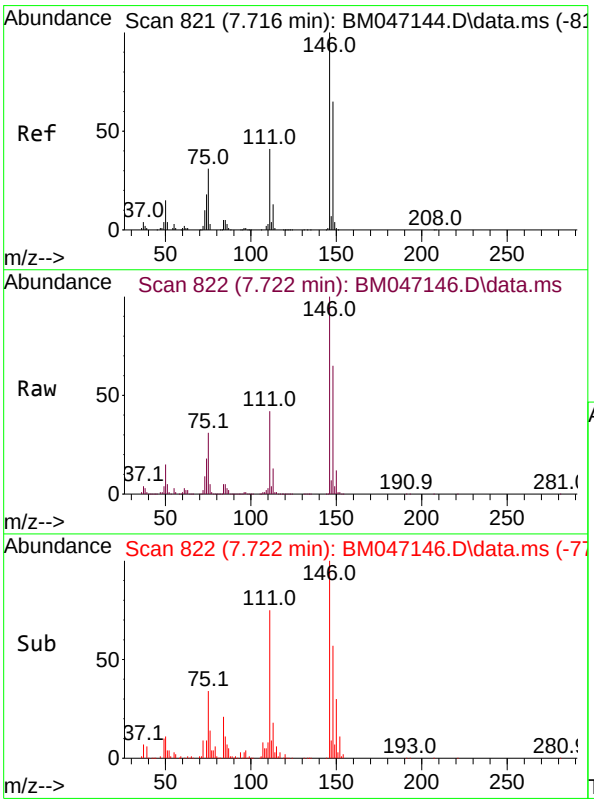
#13
1,4-Dichlorobenzene
Concen: 57.691 ng
RT: 7.410 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 1614359

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.4	77.2
111	38.9	31.5	47.3

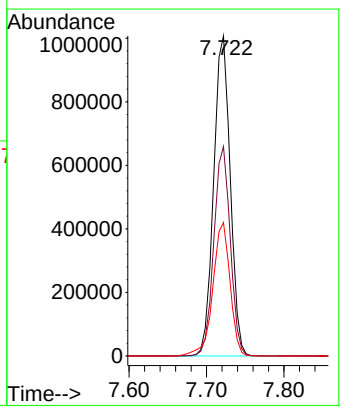


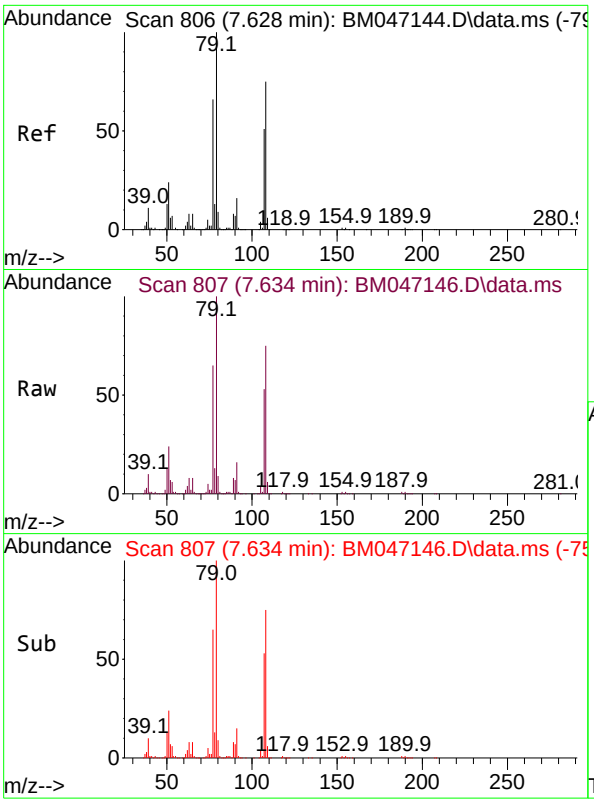


#14
1,2-Dichlorobenzene
Concen: 56.653 ng
RT: 7.722 min Scan# 822
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:146 Resp: 1495805

Ion	Ratio	Lower	Upper
146	100		
148	65.4	51.8	77.8
111	41.7	33.3	49.9



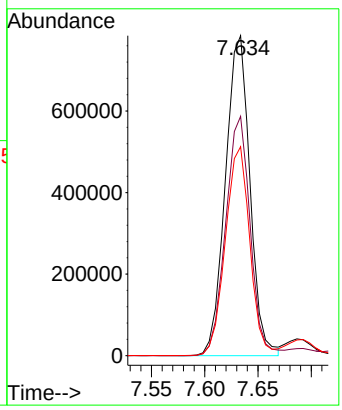


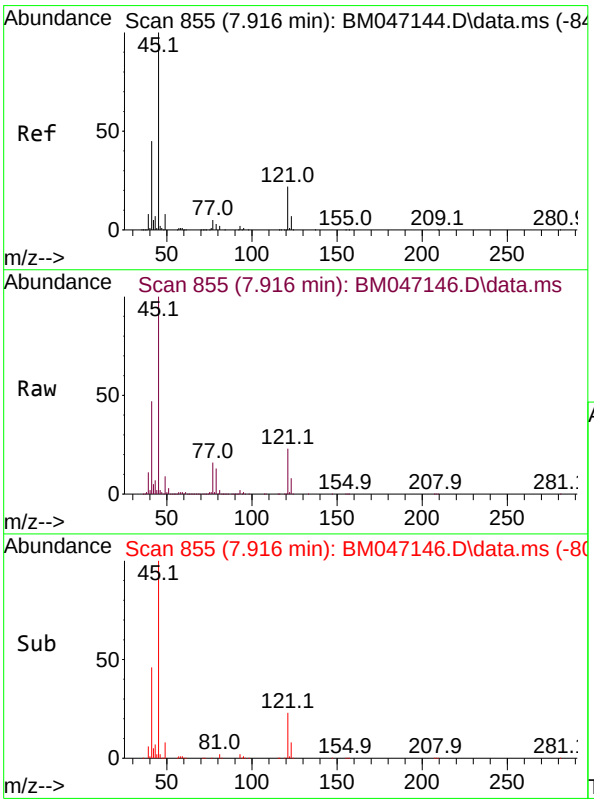
#15
Benzyl Alcohol
Concen: 60.184 ng
RT: 7.634 min Scan# 80
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1258590

Ion	Ratio	Lower	Upper
79	100		
108	74.8	59.7	89.5
77	65.3	52.9	79.3

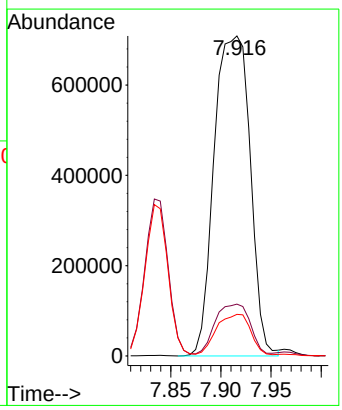


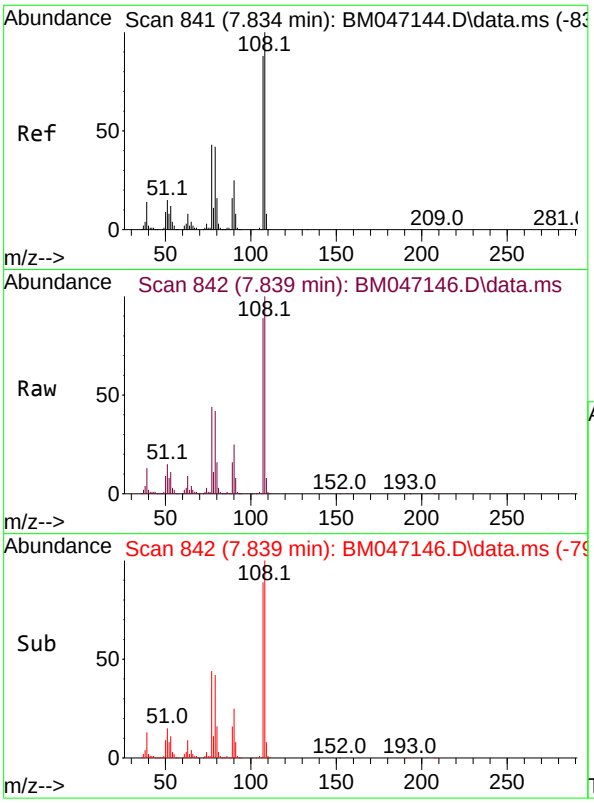


#16
2,2'-oxybis(1-Chloropropane)
Concen: 54.811 ng
RT: 7.916 min Scan# 855
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion: 45 Resp: 1768027

Ion	Ratio	Lower	Upper
45	100		
77	16.2	0.0	35.6
79	13.0	0.0	32.4



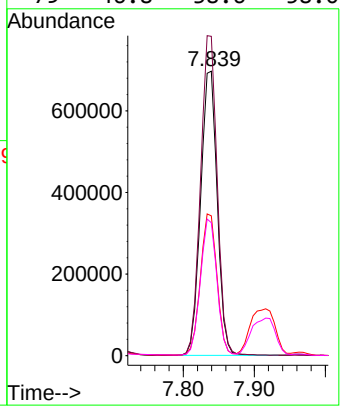


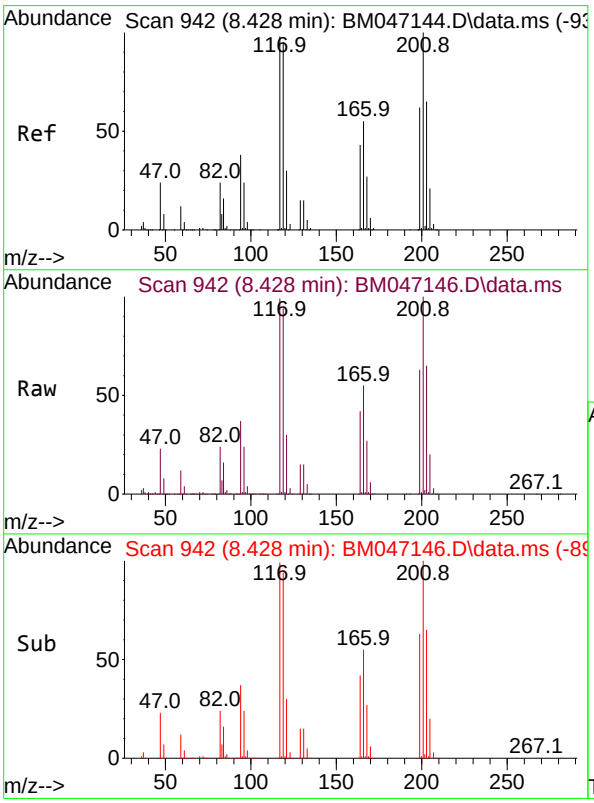
#17
2-Methylphenol
Concen: 58.008 ng
RT: 7.839 min Scan# 84
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 1134669

Ion	Ratio	Lower	Upper
107	100		
108	112.2	90.6	135.8
77	49.2	39.3	58.9
79	46.8	38.6	58.0

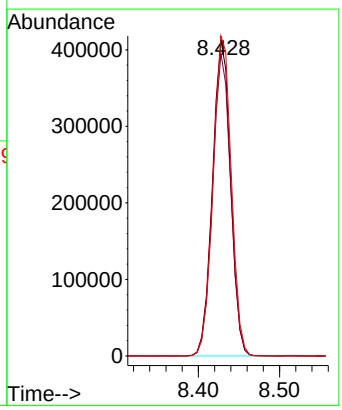


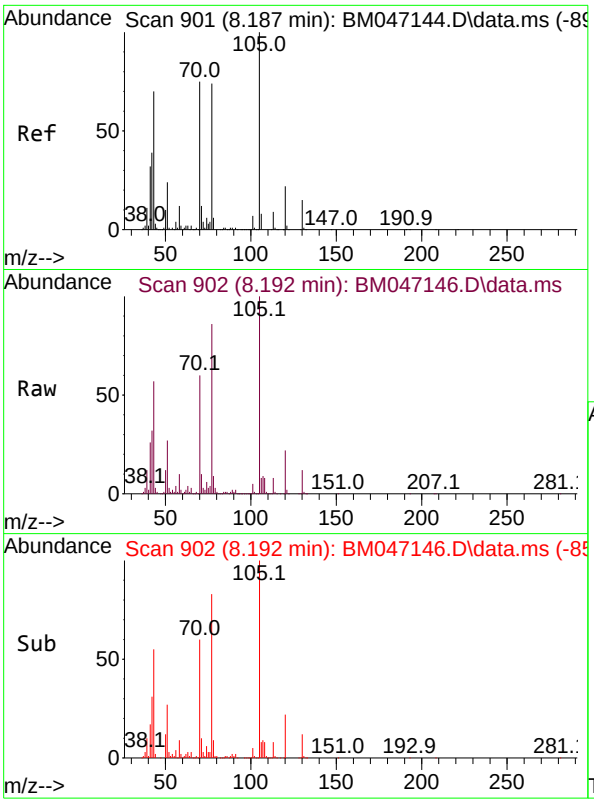


#18
Hexachloroethane
Concen: 59.012 ng
RT: 8.428 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:117 Resp: 639660

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.0	115.4
201	101.2	81.3	121.9



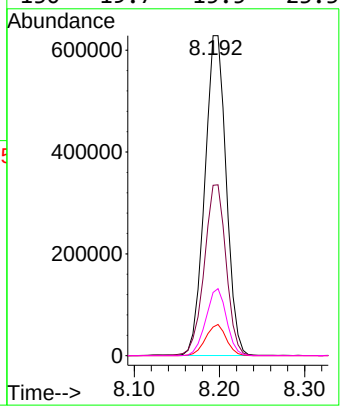


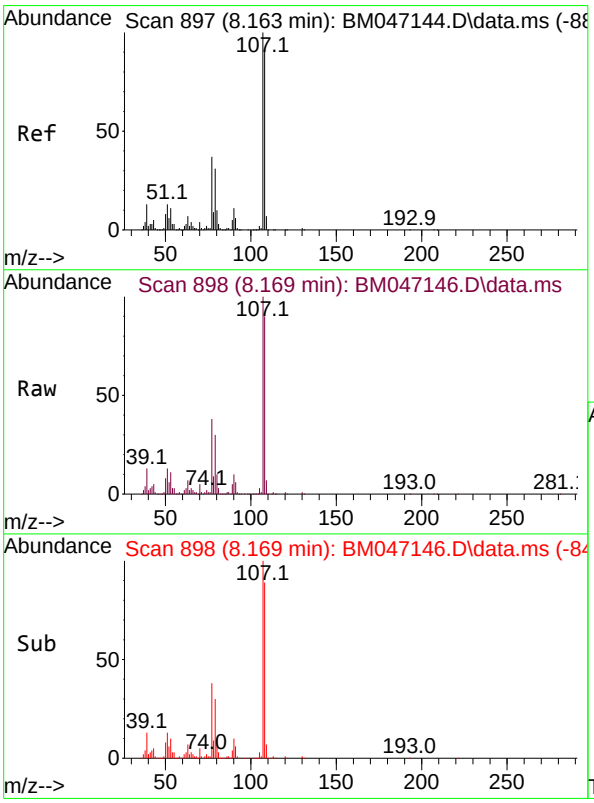
#19
n-Nitroso-di-n-propylamine
Concen: 55.379 ng
RT: 8.192 min Scan# 9(
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 1096068

Ion	Ratio	Lower	Upper
70	100		
42	53.3	42.0	63.0
101	9.0	7.2	10.8
130	19.7	15.5	23.3

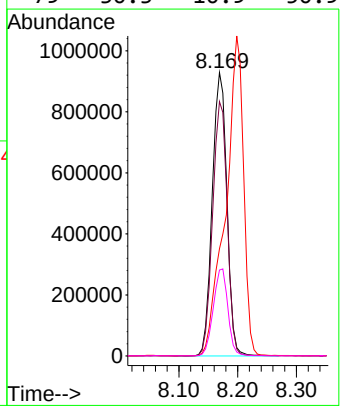


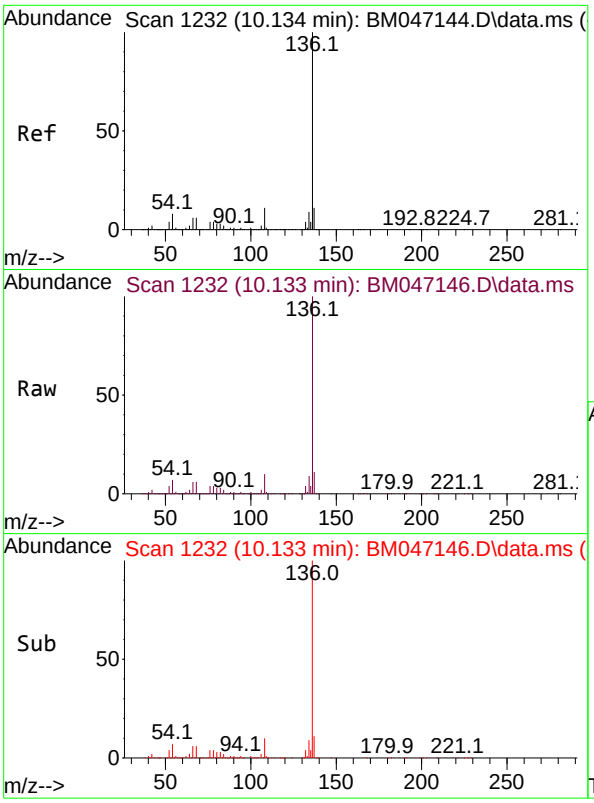


#20
3+4-Methylphenols
Concen: 58.726 ng
RT: 8.169 min Scan# 898
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:107 Resp: 1605895

Ion	Ratio	Lower	Upper
107	100		
108	89.7	70.7	110.7
77	37.8	17.4	57.4
79	30.3	10.9	50.9



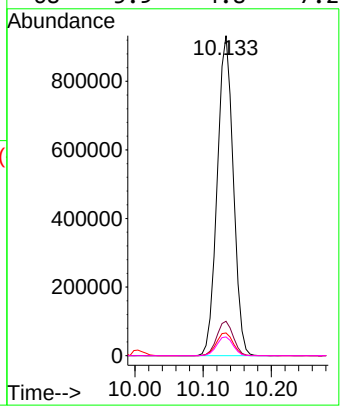


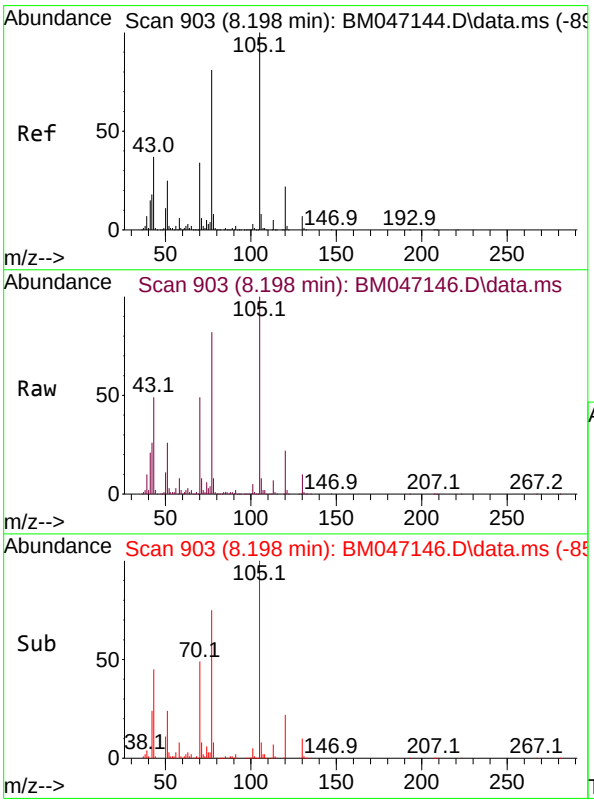
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 1526728

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.1	6.0	9.0
68	5.9	4.8	7.2

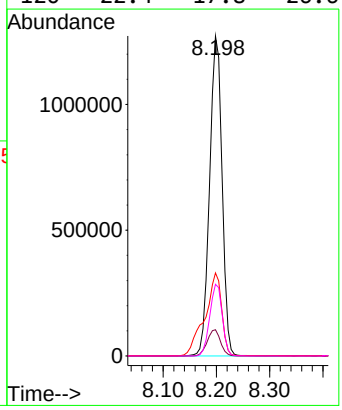


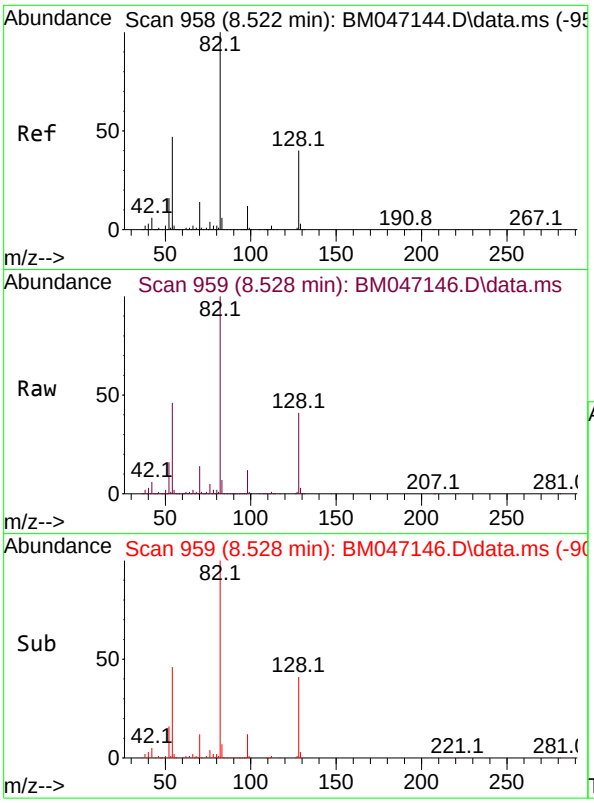


#22
Acetophenone
Concen: 56.185 ng
RT: 8.198 min Scan# 903
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:105 Resp: 2070558

Ion	Ratio	Lower	Upper
105	100		
71	8.2	4.5	6.7#
51	26.0	20.1	30.1
120	22.4	17.8	26.6



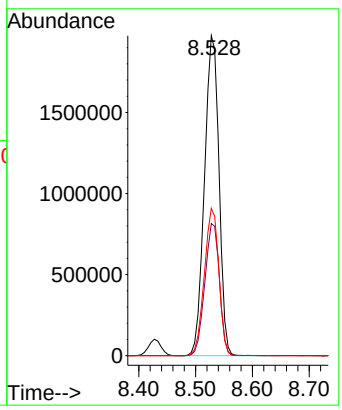


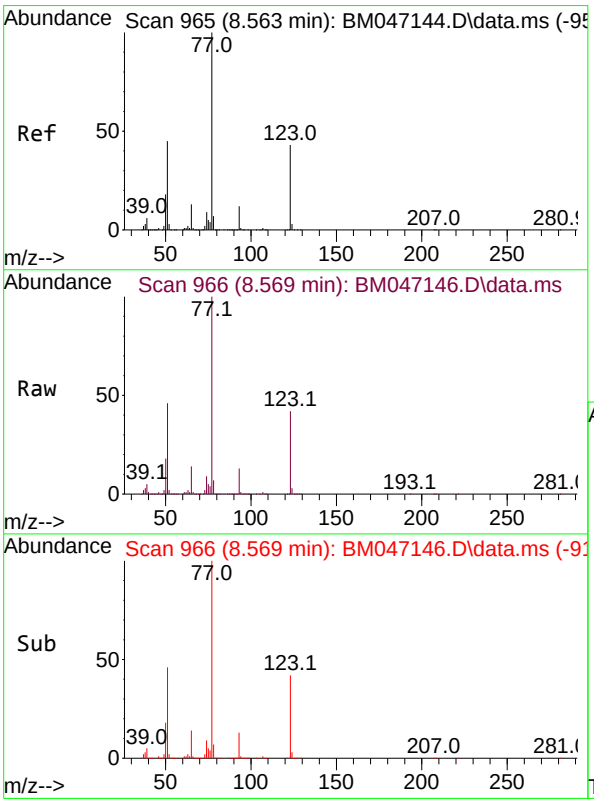
#23
Nitrobenzene-d5
Concen: 115.282 ng
RT: 8.528 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 3495384

Ion	Ratio	Lower	Upper
82	100		
128	41.3	32.3	48.5
54	46.0	37.4	56.2

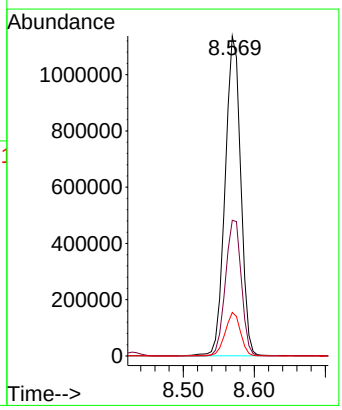


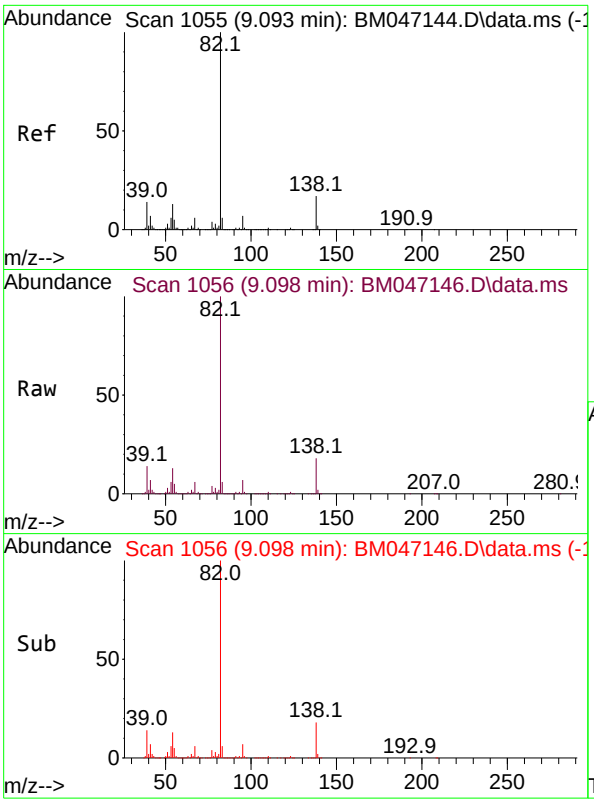


#24
Nitrobenzene
Concen: 56.777 ng
RT: 8.569 min Scan# 966
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion: 77 Resp: 1733451

Ion	Ratio	Lower	Upper
77	100		
123	42.4	34.0	51.0
65	13.6	10.5	15.7



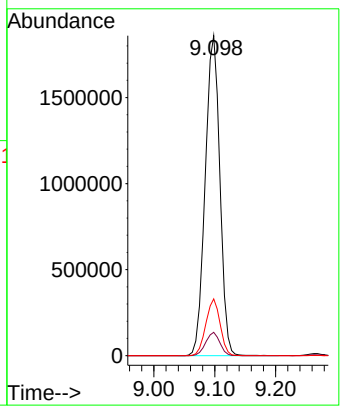


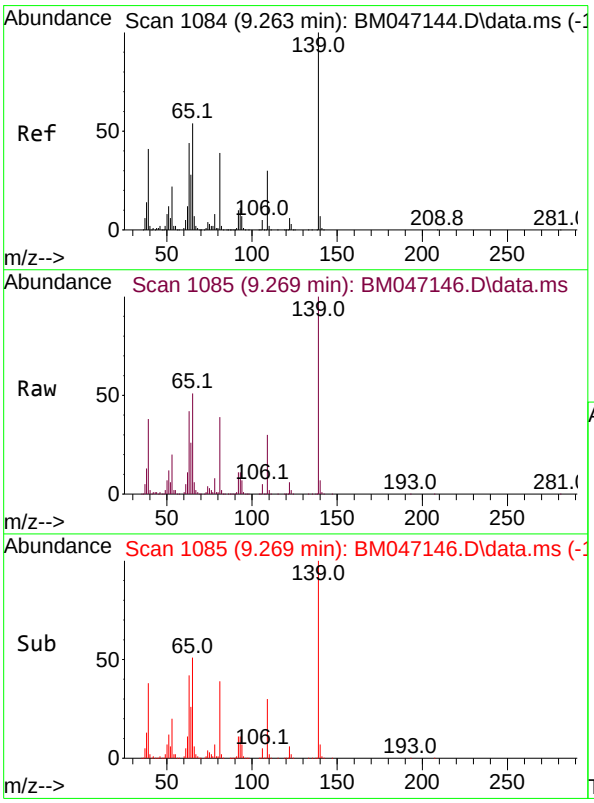
#25
Isophorone
Concen: 58.876 ng
RT: 9.098 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 3108196

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.5	8.3
138	17.7	13.5	20.3

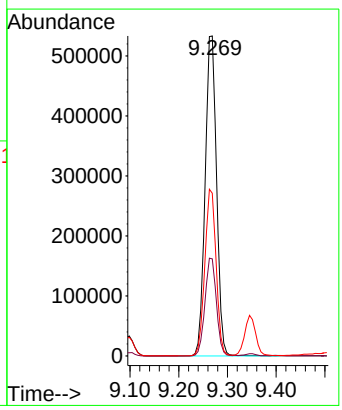


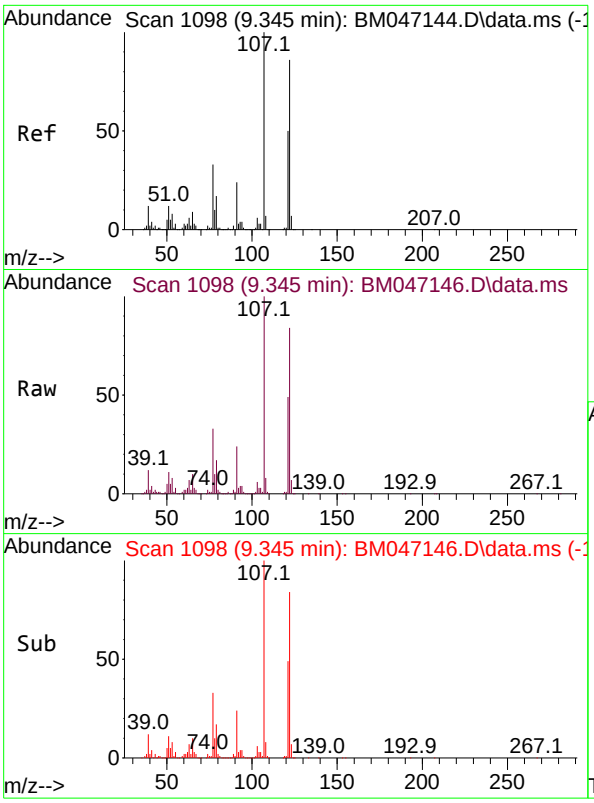


#26
2-Nitrophenol
Concen: 63.987 ng
RT: 9.269 min Scan# 1085
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:139 Resp: 865172

Ion	Ratio	Lower	Upper
139	100		
109	30.4	24.4	36.6
65	50.9	43.0	64.6



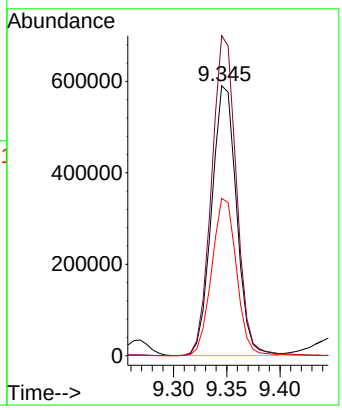


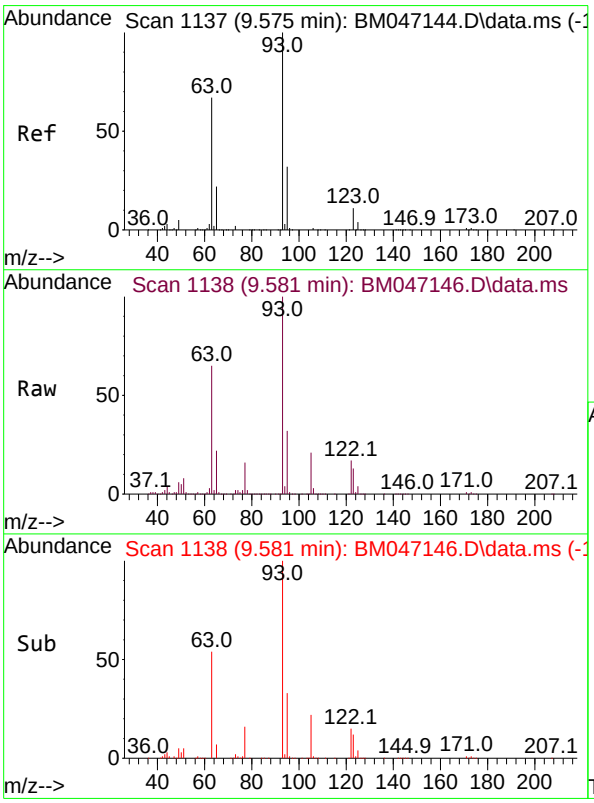
#27
2,4-Dimethylphenol
Concen: 60.441 ng
RT: 9.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 957294

Ion	Ratio	Lower	Upper
122	100		
107	118.6	92.8	139.2
121	58.3	46.1	69.1

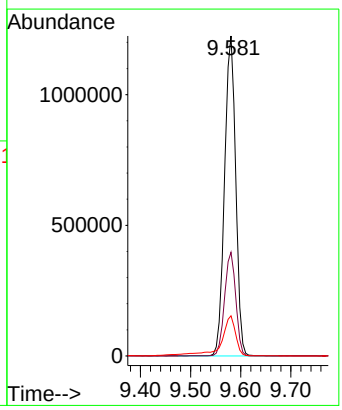


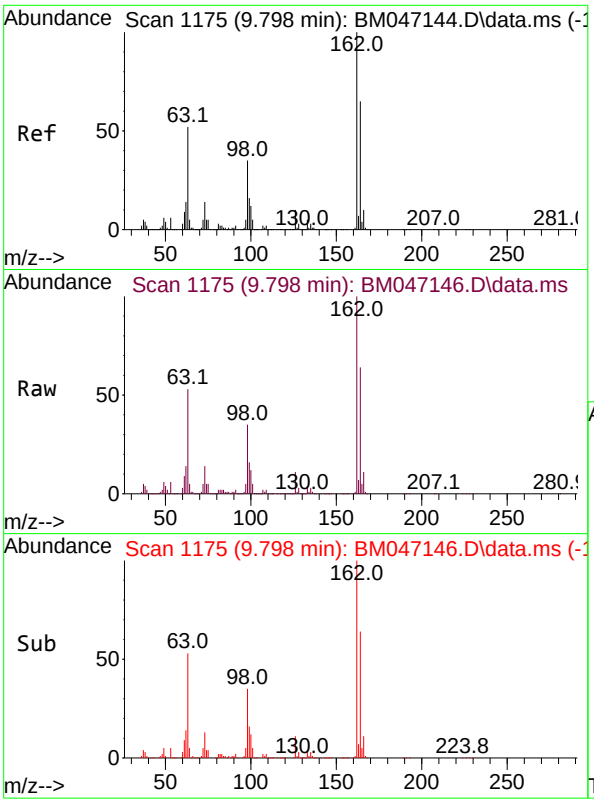


#28
bis(2-Chloroethoxy)methane
Concen: 57.068 ng
RT: 9.581 min Scan# 1138
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion: 93 Resp: 1895700

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.8	38.8
123	12.6	9.0	13.4



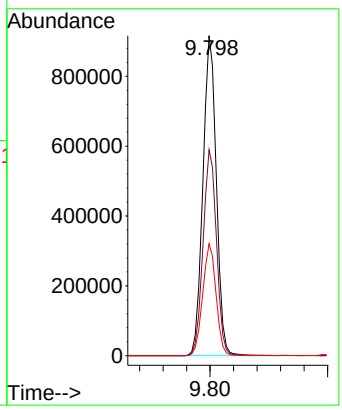


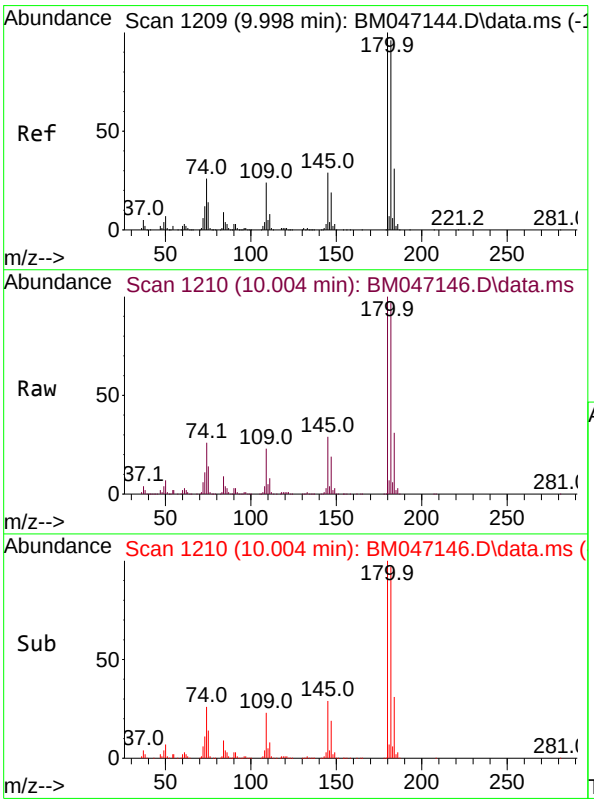
#29
2,4-Dichlorophenol
Concen: 61.767 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1451562

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.7	84.7
98	35.0	14.9	54.9

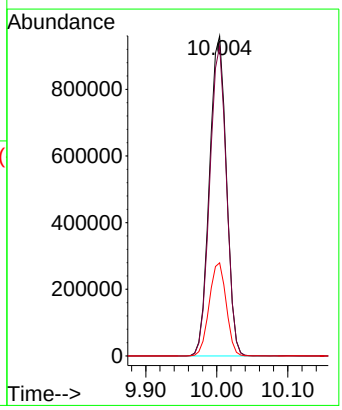


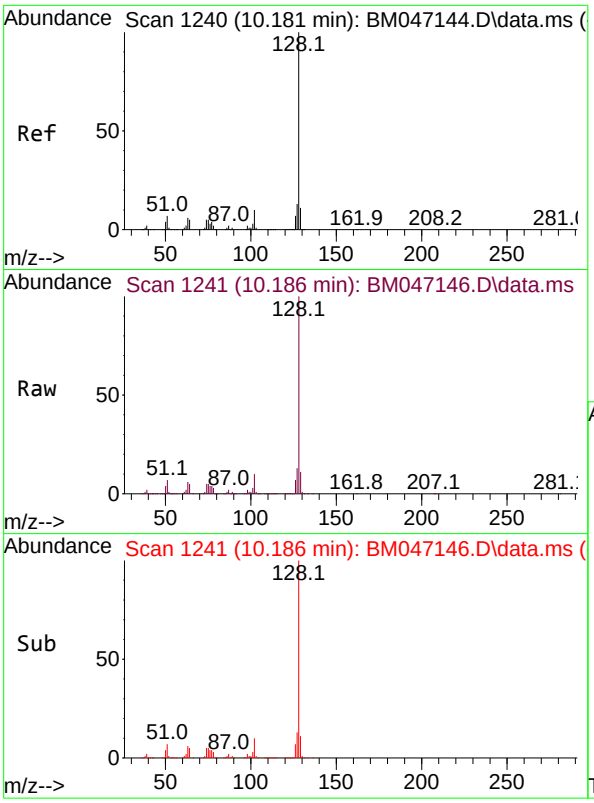


#30
1,2,4-Trichlorobenzene
Concen: 59.763 ng
RT: 10.004 min Scan# 1210
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:180 Resp: 1589392

Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.6	115.0
145	29.1	23.4	35.2



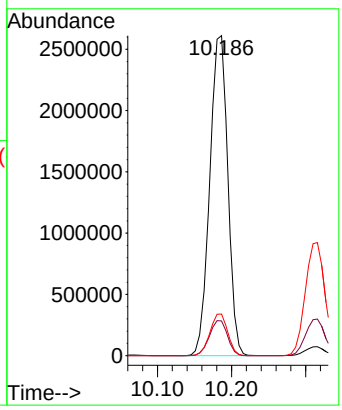


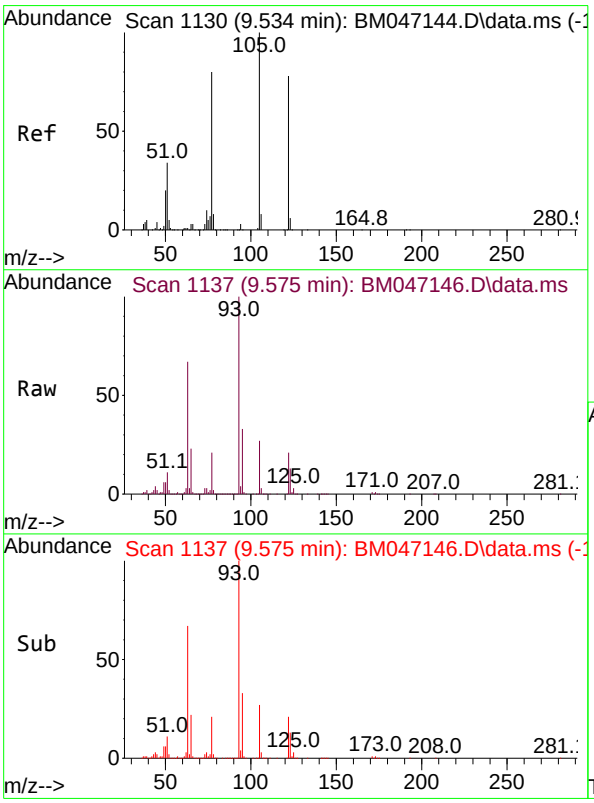
#31
Naphthalene
Concen: 58.049 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 4415000

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.0	10.2	15.4

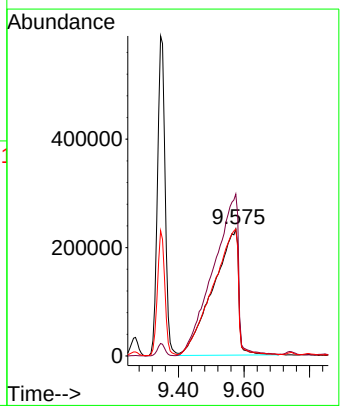


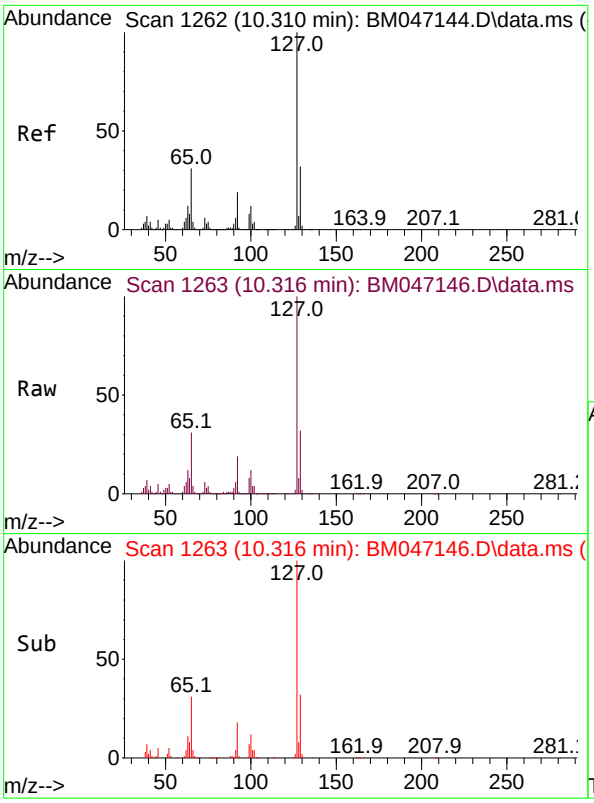


#32
Benzoic acid
Concen: 67.498 ng
RT: 9.575 min Scan# 1137
Delta R.T. 0.041 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:122 Resp: 1248981

Ion	Ratio	Lower	Upper
122	100		
105	127.7	107.1	147.1
77	100.2	82.1	122.1



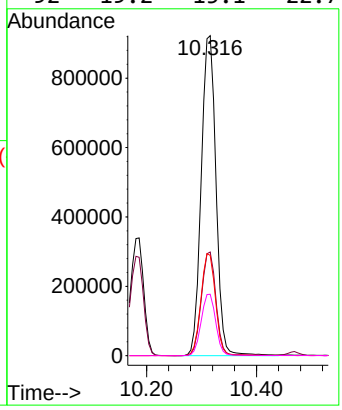


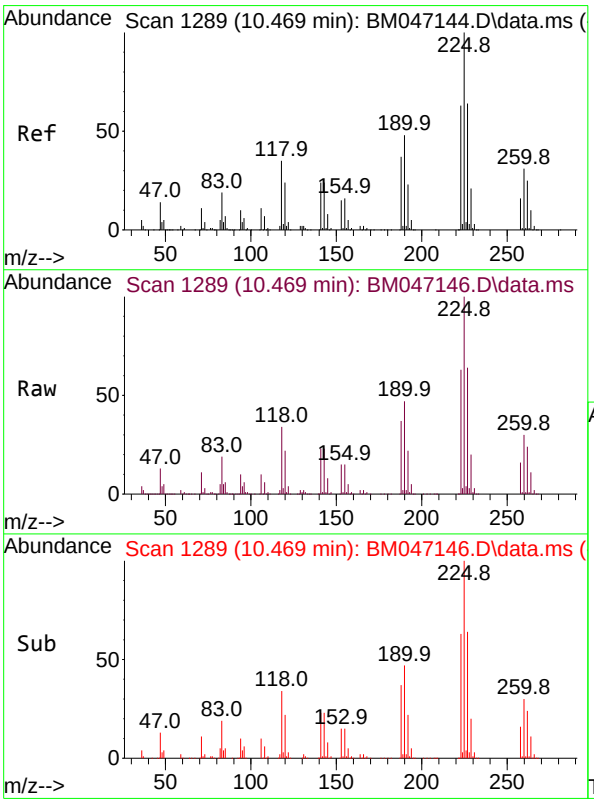
#33
4-Chloroaniline
Concen: 58.764 ng
RT: 10.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 1718710

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.8	38.8
65	31.3	24.9	37.3
92	19.2	15.1	22.7

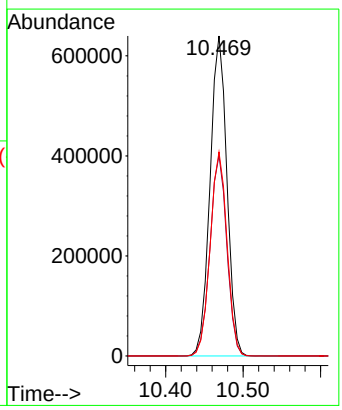


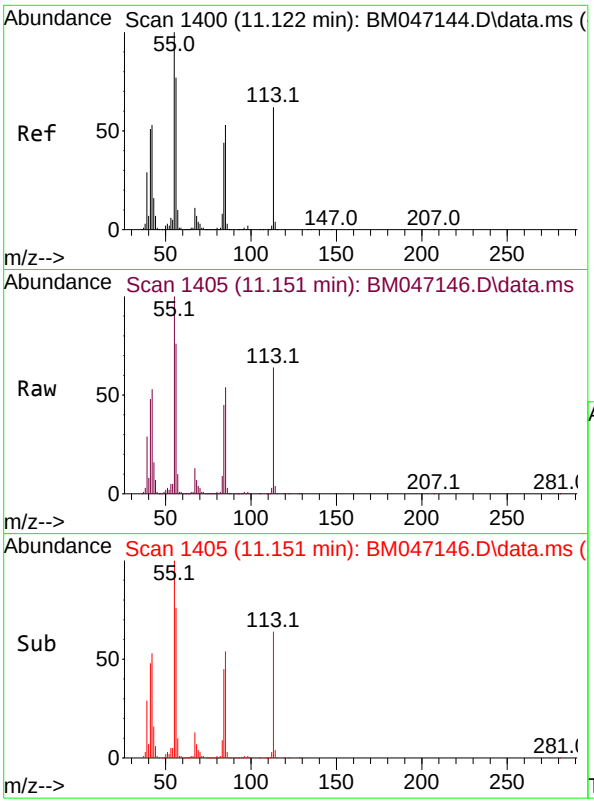


#34
Hexachlorobutadiene
Concen: 62.017 ng
RT: 10.469 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:225 Resp: 965378

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.2
227	63.7	51.4	77.0



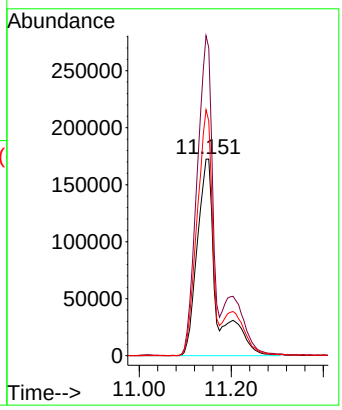


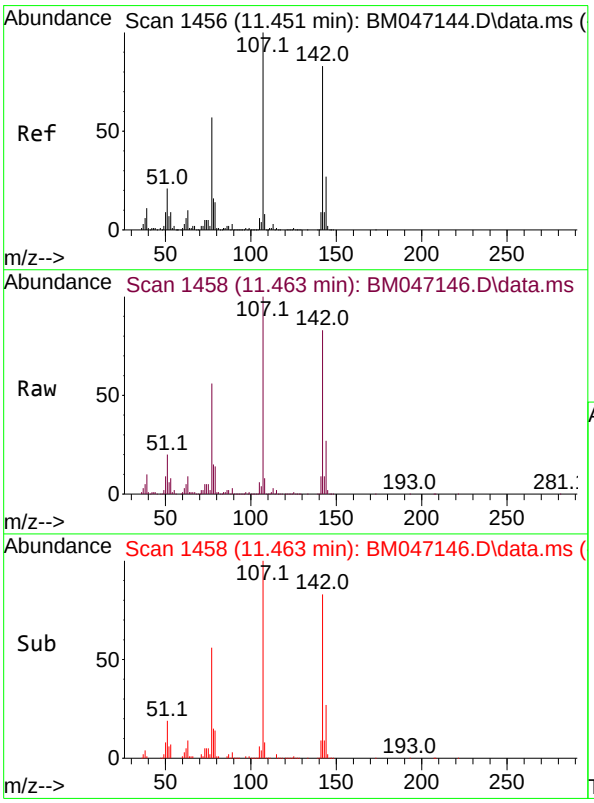
#35
Caprolactam
Concen: 61.664 ng m
RT: 11.151 min Scan# 14
Delta R.T. 0.029 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 503257

Ion	Ratio	Lower	Upper
113	100		
55	156.7	140.5	180.5
56	119.4	103.6	143.6

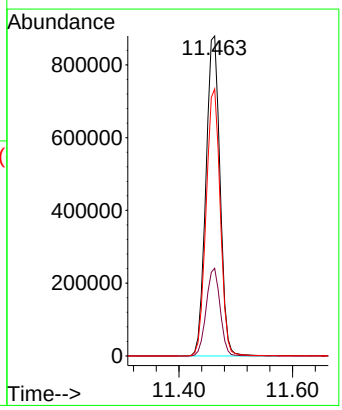


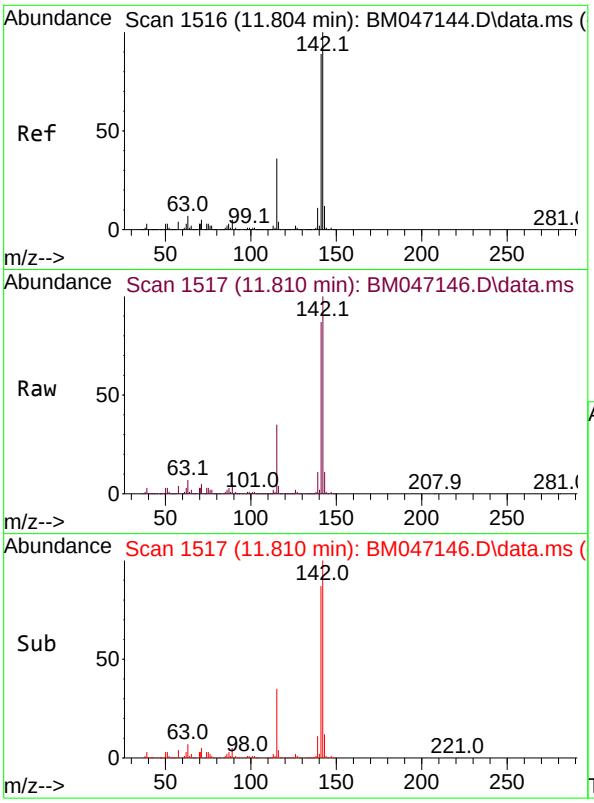


#36
4-Chloro-3-methylphenol
Concen: 60.420 ng
RT: 11.463 min Scan# 1458
Delta R.T. 0.012 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:107 Resp: 1512201

Ion	Ratio	Lower	Upper
107	100		
144	27.4	21.8	32.6
142	83.4	66.8	100.2



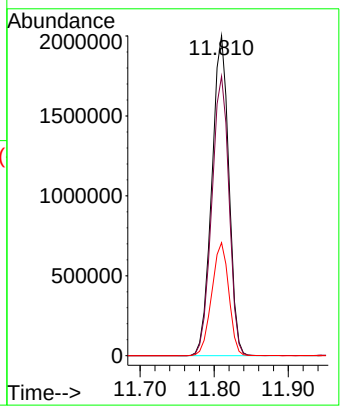


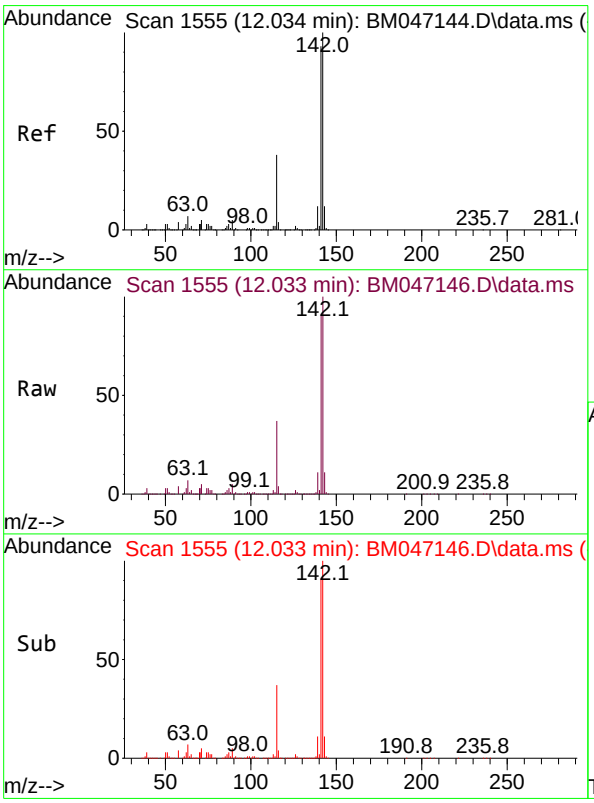
#37
2-Methylnaphthalene
Concen: 59.000 ng
RT: 11.810 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 3194966

Ion	Ratio	Lower	Upper
142	100		
141	87.3	70.9	106.3
115	35.3	28.7	43.1

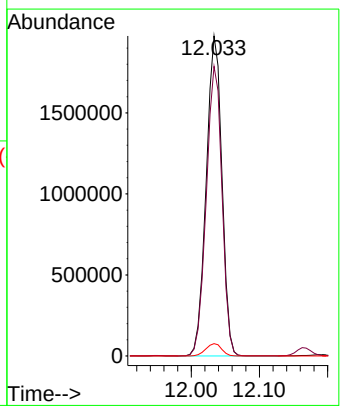


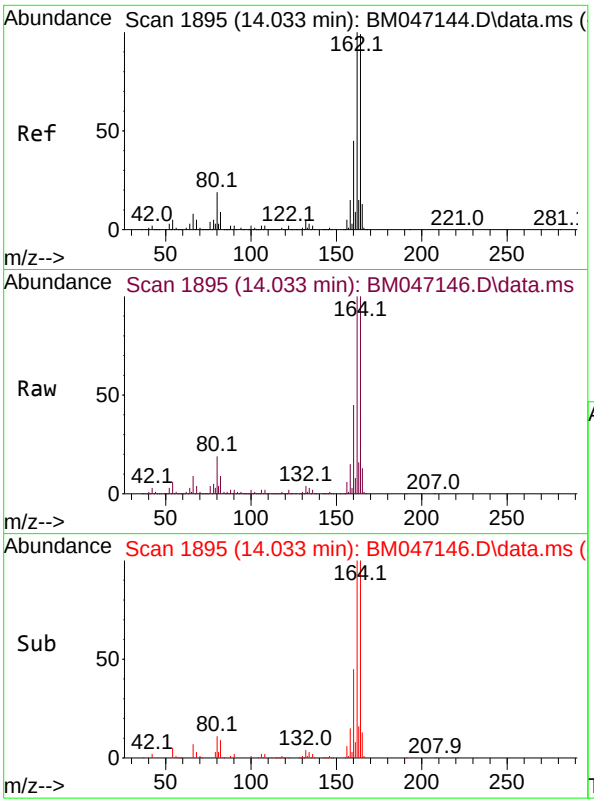


#38
1-Methylnaphthalene
Concen: 59.033 ng
RT: 12.033 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:142 Resp: 3159405

Ion	Ratio	Lower	Upper
142	100		
141	90.5	74.6	111.8
116	3.9	3.1	4.7



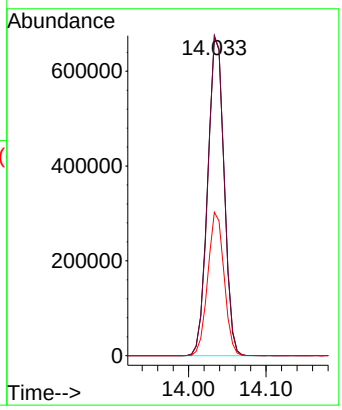


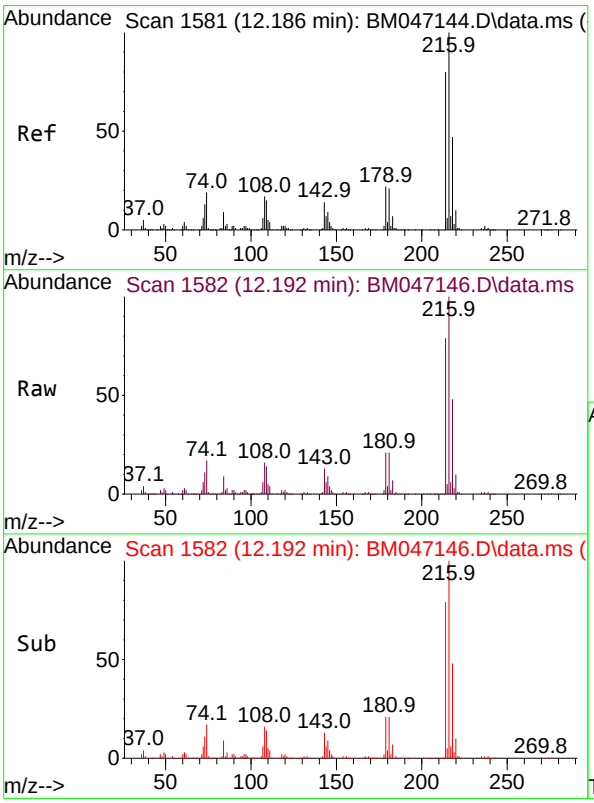
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 991306

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.7	121.1
160	44.9	36.0	54.0

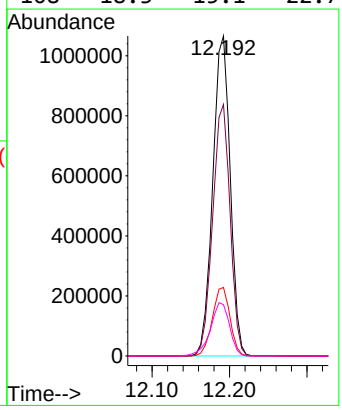


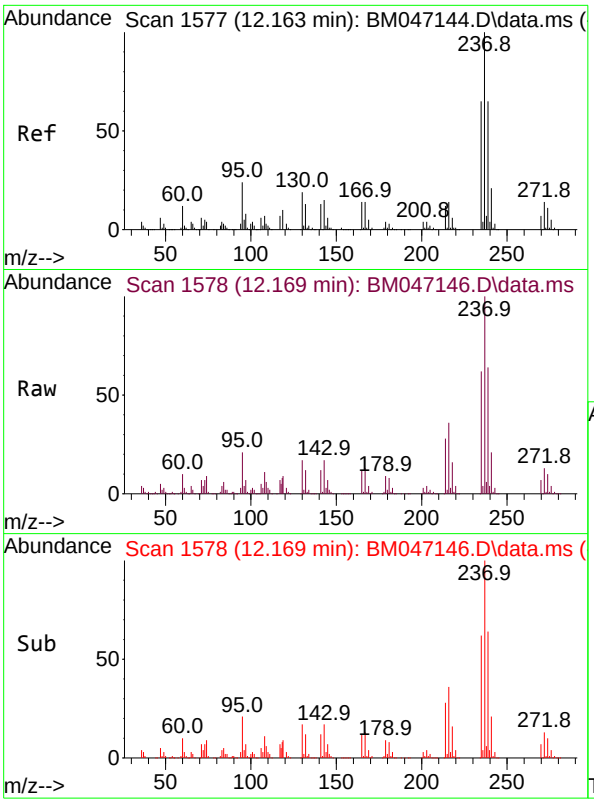


#40
1,2,4,5-Tetrachlorobenzene
Concen: 61.523 ng
RT: 12.192 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:216 Resp: 1663474

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.4	95.2
179	21.7	17.6	26.4
108	18.3	15.1	22.7



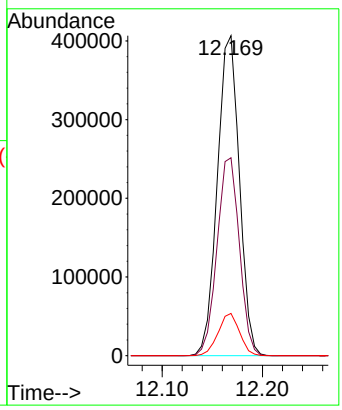


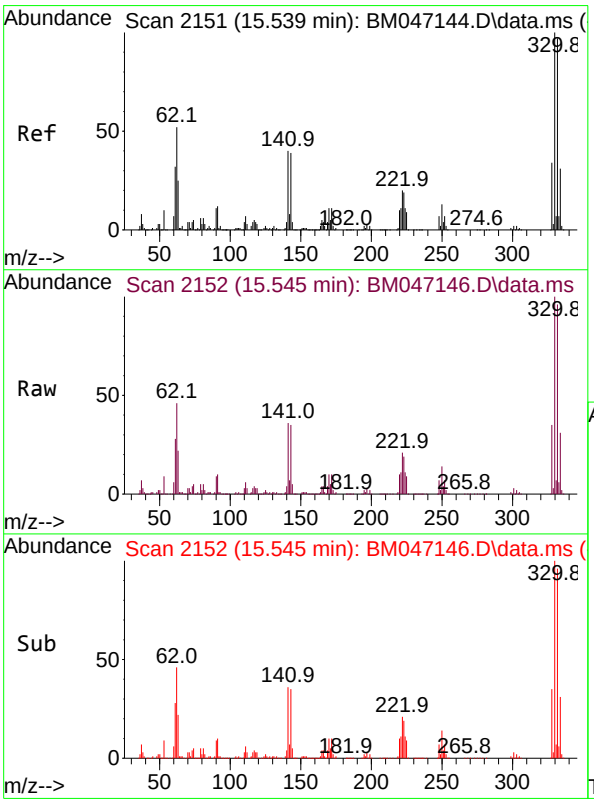
#41
Hexachlorocyclopentadiene
Concen: 65.733 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 620612

Ion	Ratio	Lower	Upper
237	100		
235	61.8	44.8	84.8
272	13.2	0.0	33.5

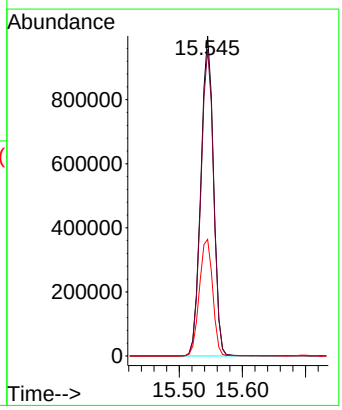


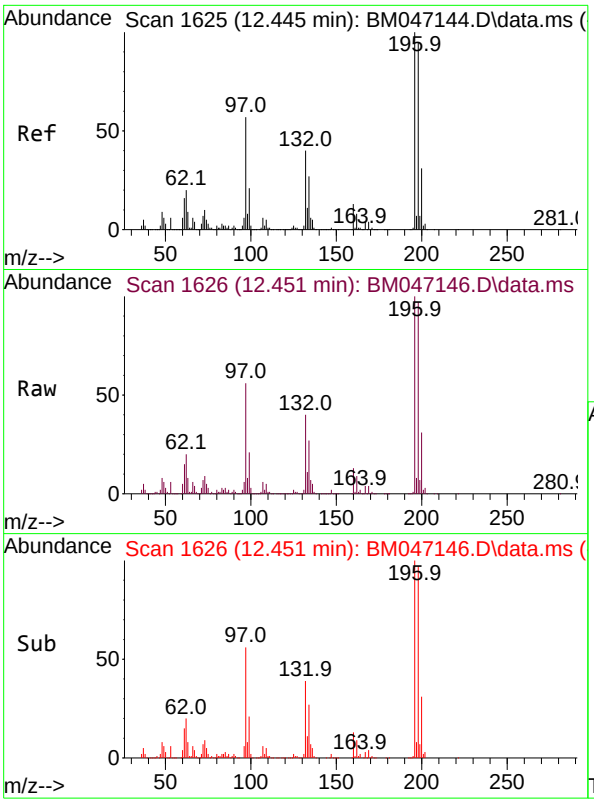


#42
2,4,6-Tribromophenol
Concen: 121.088 ng
RT: 15.545 min Scan# 2152
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:330 Resp: 1391826

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.2
141	38.4	31.6	47.4



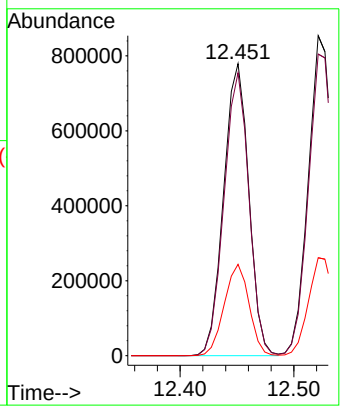


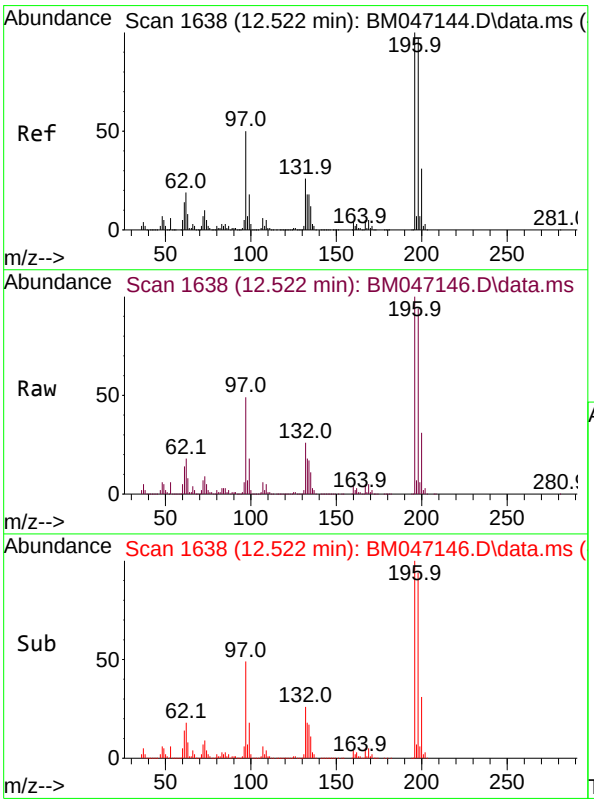
#43
2,4,6-Trichlorophenol
Concen: 62.557 ng
RT: 12.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 1202229

Ion	Ratio	Lower	Upper
196	100		
198	96.9	75.6	113.4
200	31.3	24.6	37.0

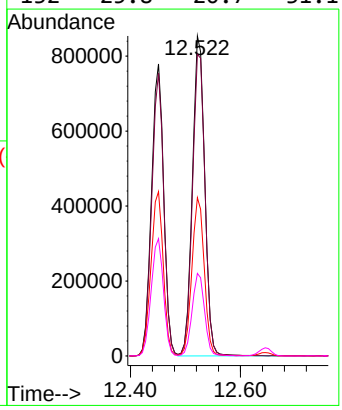


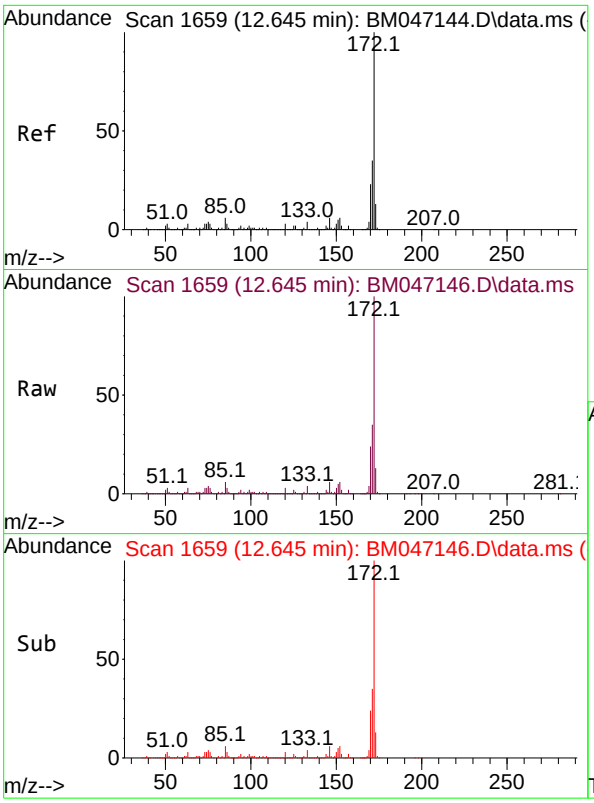


#44
2,4,5-Trichlorophenol
Concen: 62.287 ng
RT: 12.522 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:196 Resp: 1329069

Ion	Ratio	Lower	Upper
196	100		
198	94.3	77.7	116.5
97	49.4	39.8	59.8
132	25.8	20.7	31.1



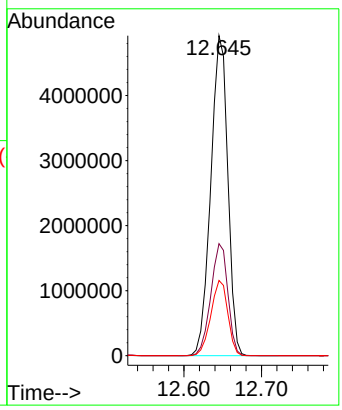


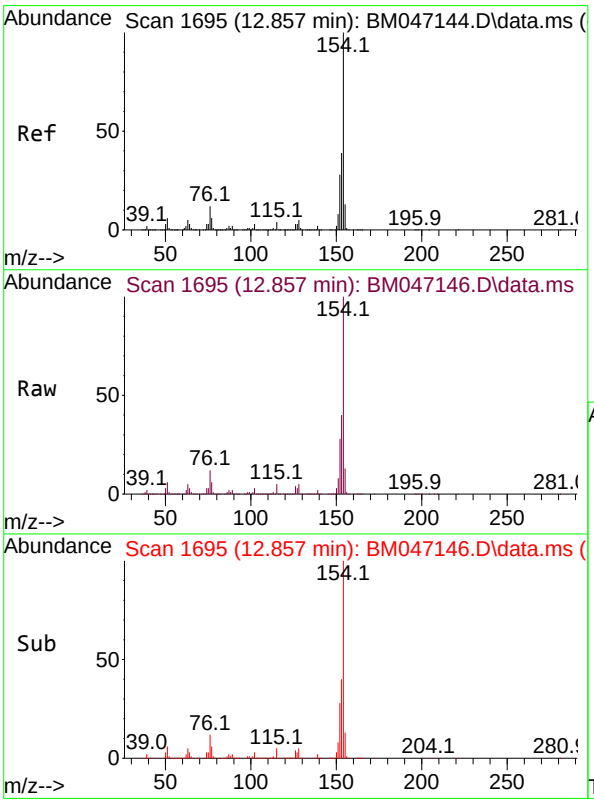
#45
2-Fluorobiphenyl
Concen: 116.705 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 7500034

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	23.5	18.7	28.1

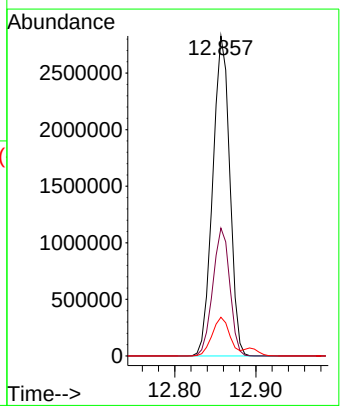


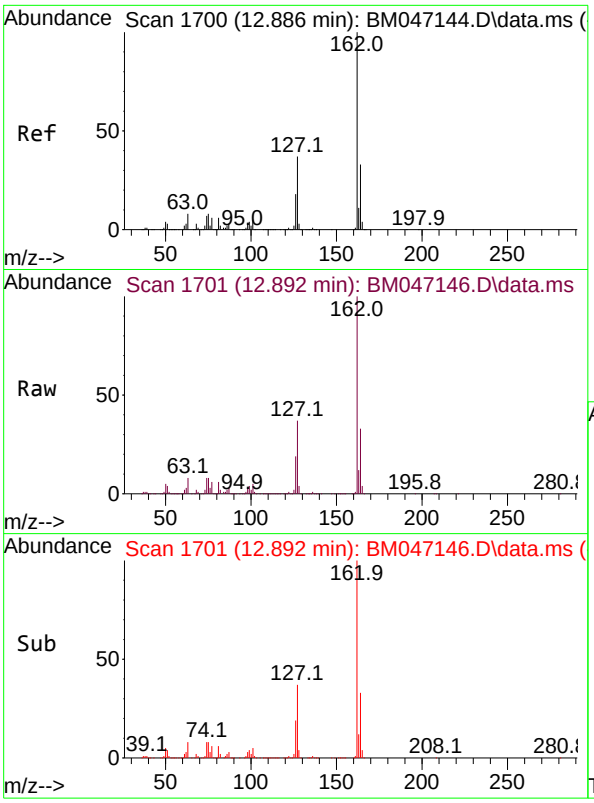


#46
1,1'-Biphenyl
Concen: 58.466 ng
RT: 12.857 min Scan# 1695
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:154 Resp: 4126067

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.0	59.0
76	12.1	0.0	31.9



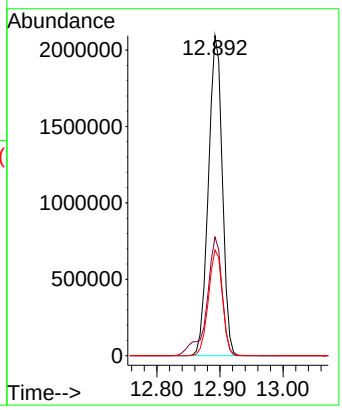


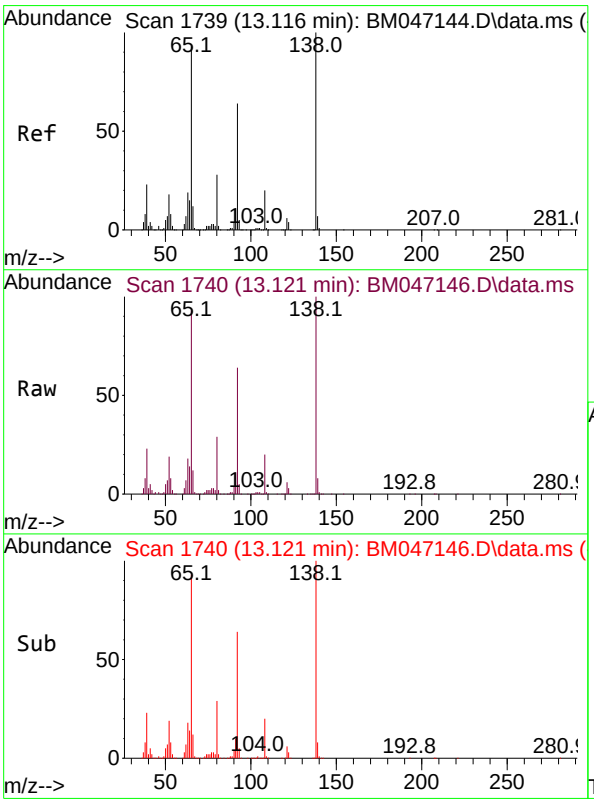
#47
2-Chloronaphthalene
Concen: 57.882 ng
RT: 12.892 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 3192787

Ion	Ratio	Lower	Upper
162	100		
127	37.0	30.0	45.0
164	33.1	26.3	39.5

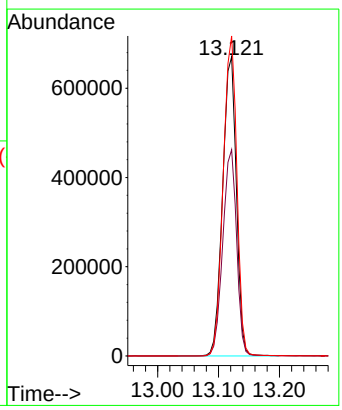


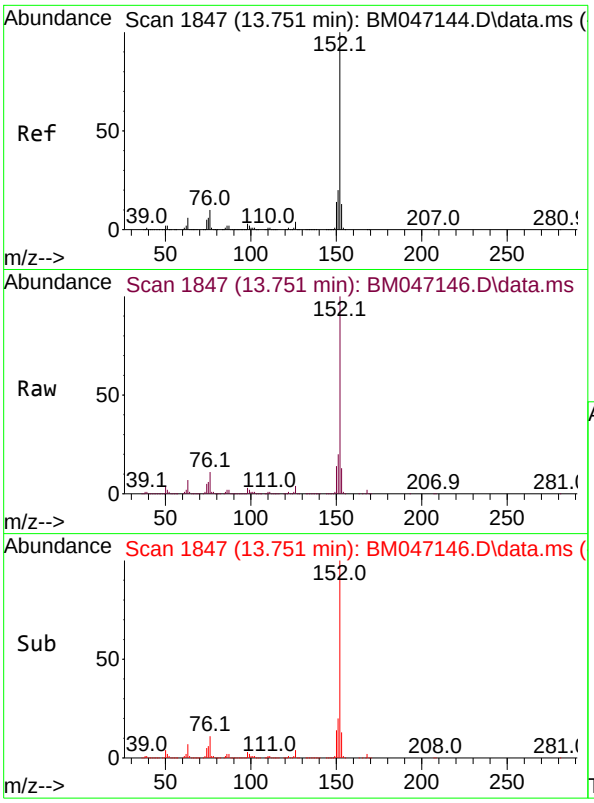


#48
2-Nitroaniline
Concen: 60.847 ng
RT: 13.121 min Scan# 1740
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion: 65 Resp: 1051464

Ion	Ratio	Lower	Upper
65	100		
92	68.9	55.1	82.7
138	107.0	85.9	128.9



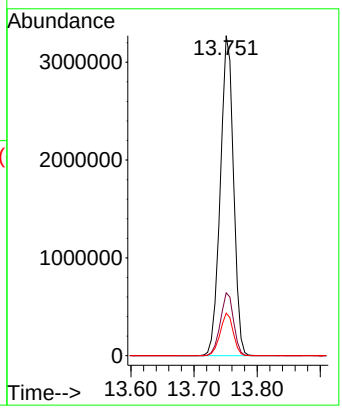


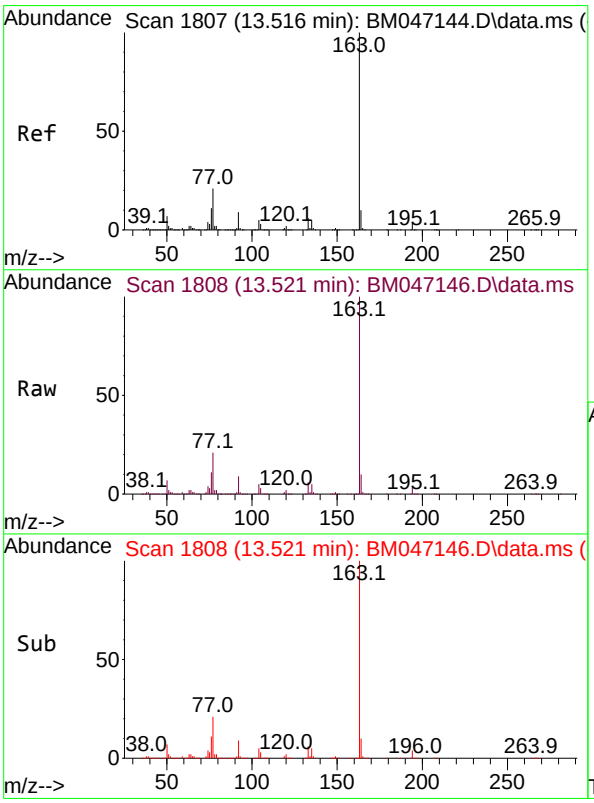
#49
Acenaphthylene
Concen: 58.613 ng
RT: 13.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 4765674

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.3	10.4	15.6

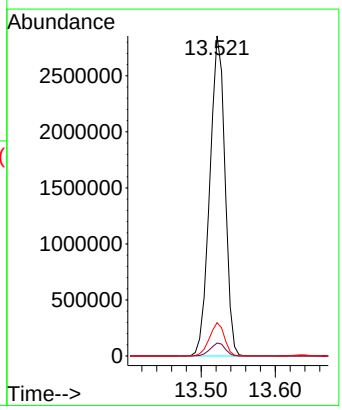


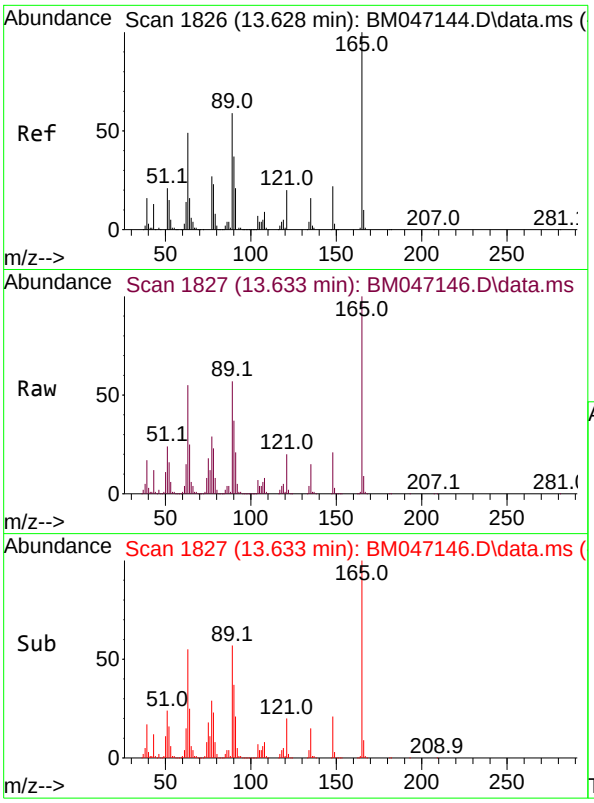


#50
Dimethylphthalate
Concen: 58.629 ng
RT: 13.521 min Scan# 1808
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:163 Resp: 4059126

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	10.4	8.0	12.0



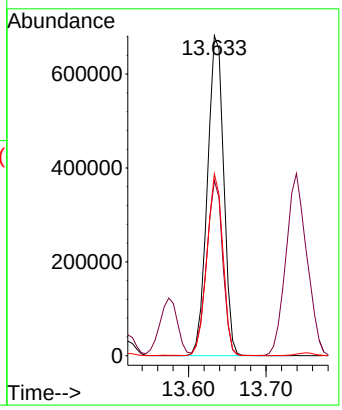


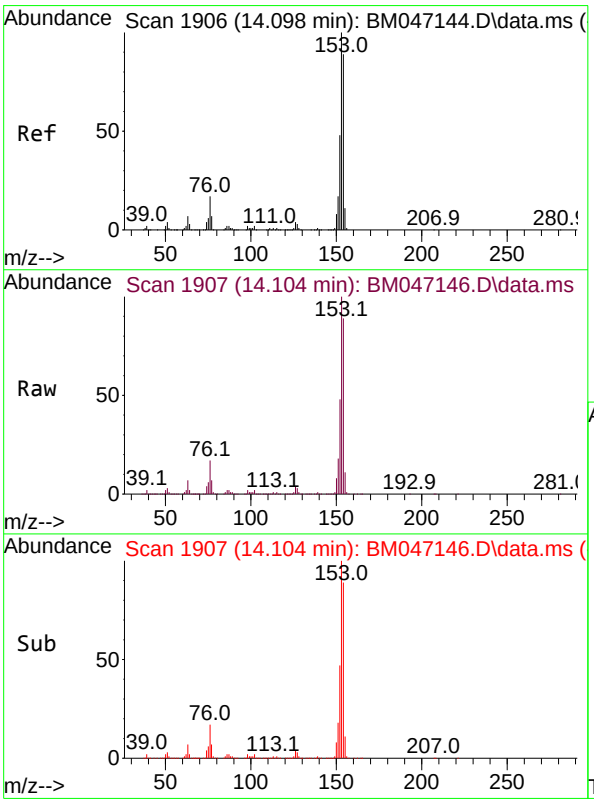
#51
2,6-Dinitrotoluene
Concen: 61.508 ng
RT: 13.633 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 995456

Ion	Ratio	Lower	Upper
165	100		
63	54.7	46.5	69.7
89	56.8	47.3	70.9

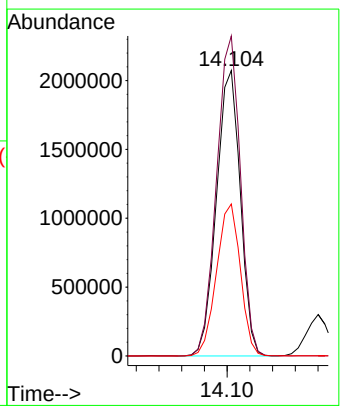


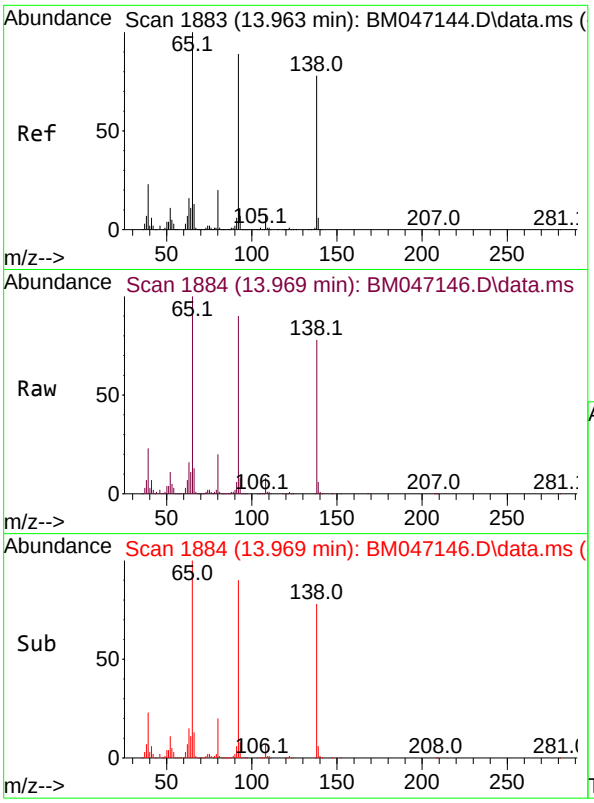


#52
Acenaphthene
Concen: 58.668 ng
RT: 14.104 min Scan# 1907
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:154 Resp: 3025820

Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.3	135.5
152	53.3	42.9	64.3



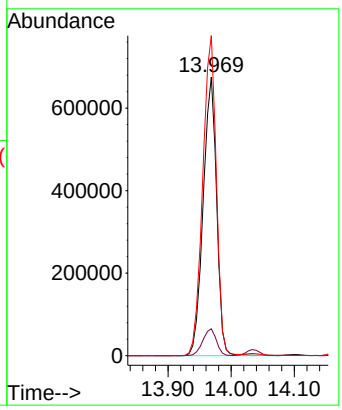


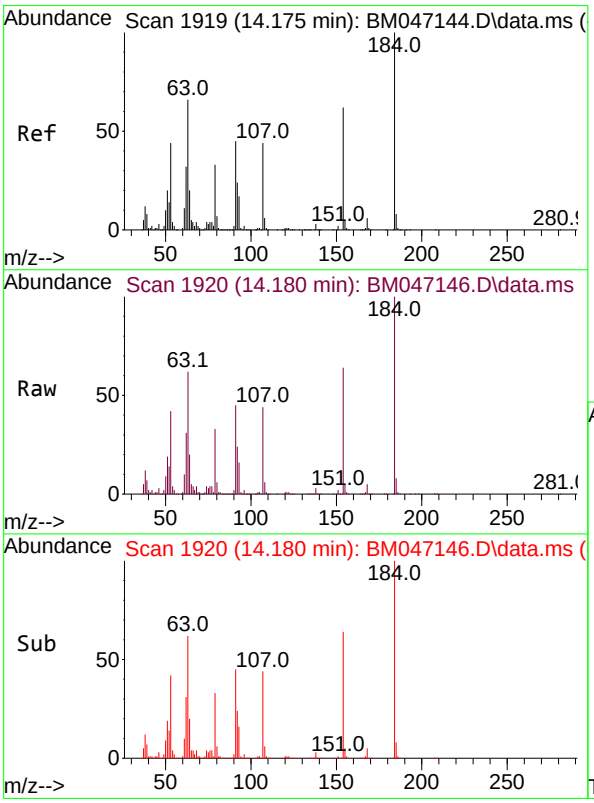
#53
3-Nitroaniline
Concen: 61.708 ng
RT: 13.969 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 1000744

Ion	Ratio	Lower	Upper
138	100		
108	9.6	7.9	11.9
92	114.9	92.0	138.0

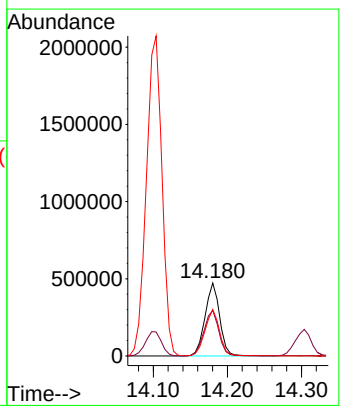


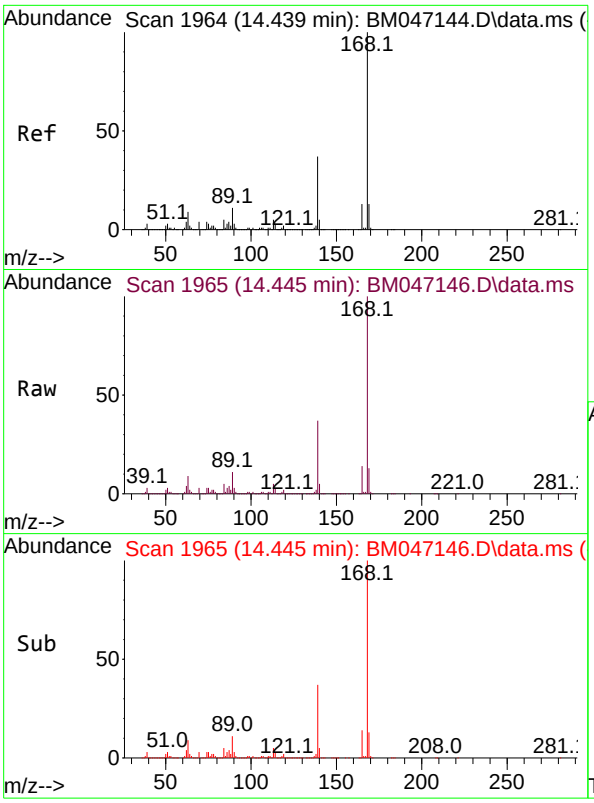


#54
2,4-Dinitrophenol
Concen: 66.750 ng
RT: 14.180 min Scan# 1920
Delta R.T. 0.005 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:184 Resp: 647477

Ion	Ratio	Lower	Upper
184	100		
63	62.4	52.7	79.1
154	63.7	50.4	75.6



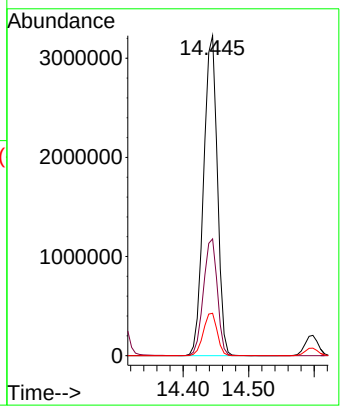


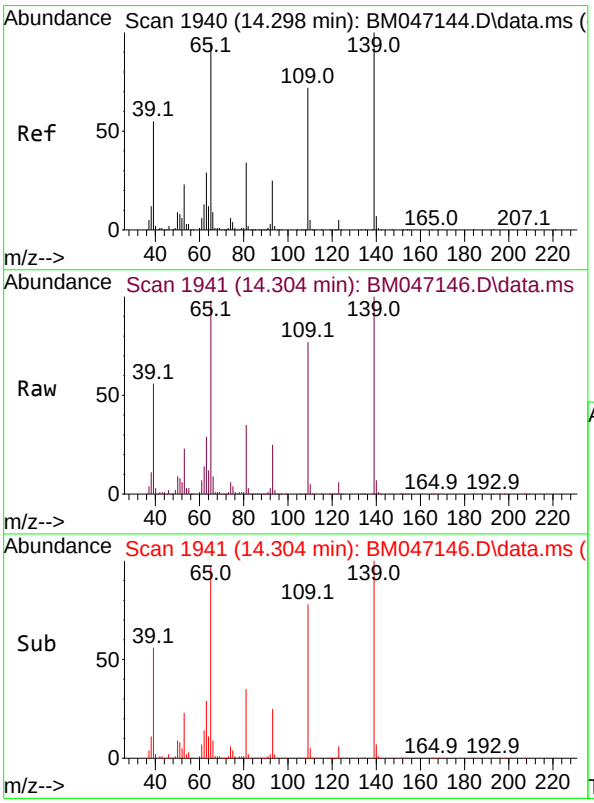
#55
Dibenzofuran
Concen: 57.809 ng
RT: 14.445 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 4709496

Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.6	44.4
169	13.2	10.7	16.1

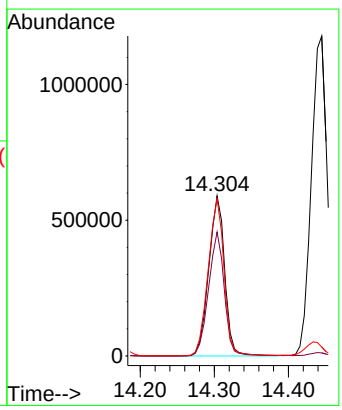


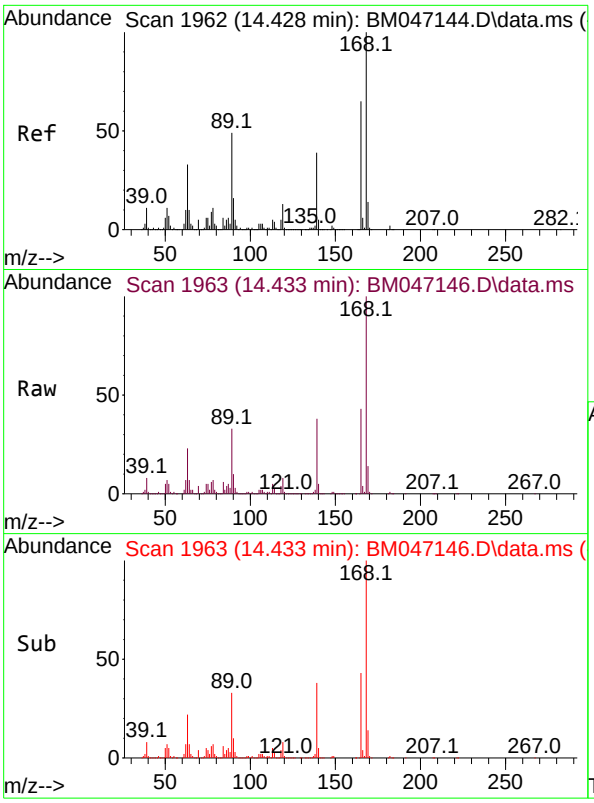


#56
4-Nitrophenol
Concen: 62.927 ng
RT: 14.304 min Scan# 1941
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:139 Resp: 879989

Ion	Ratio	Lower	Upper
139	100		
109	77.5	52.5	92.5
65	98.0	75.4	115.4



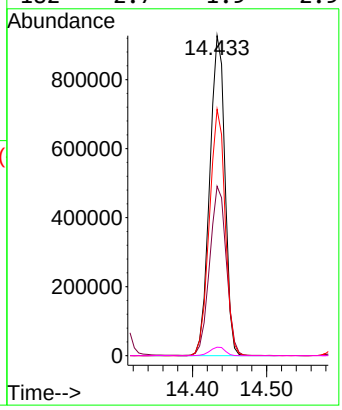


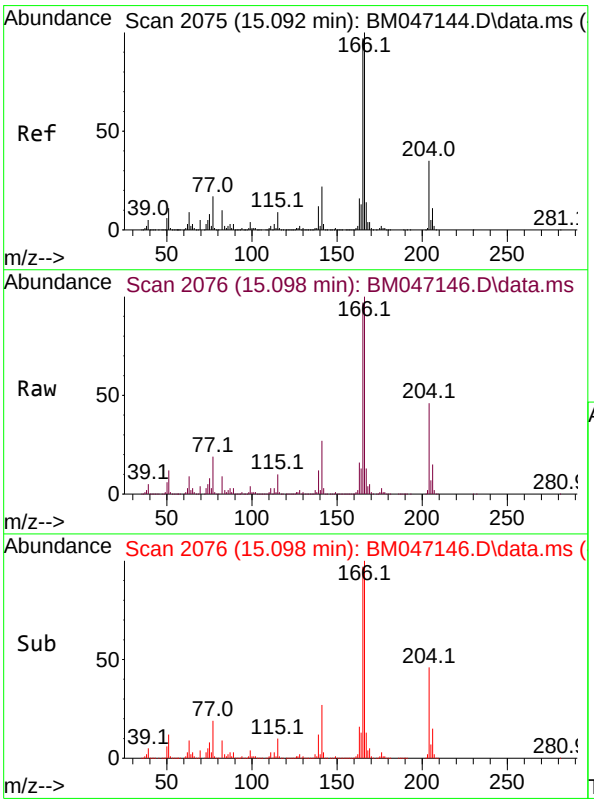
#57
2,4-Dinitrotoluene
Concen: 61.255 ng
RT: 14.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 1323234

Ion	Ratio	Lower	Upper
165	100		
63	53.0	40.3	60.5
89	77.0	61.0	91.6
182	2.7	1.9	2.9

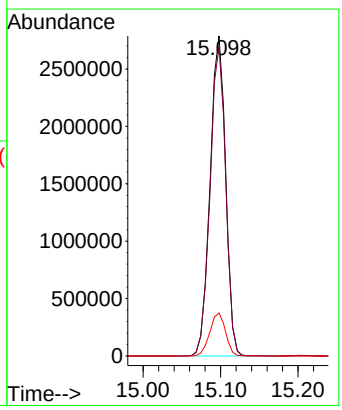


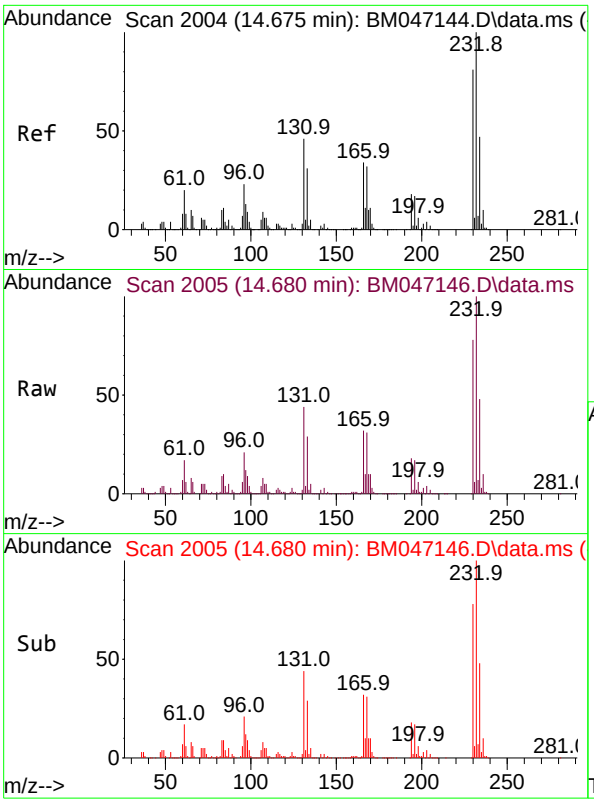


#58
Fluorene
Concen: 57.801 ng
RT: 15.098 min Scan# 2076
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:166 Resp: 3885304

Ion	Ratio	Lower	Upper
166	100		
165	96.6	77.4	116.0
167	13.5	11.0	16.6



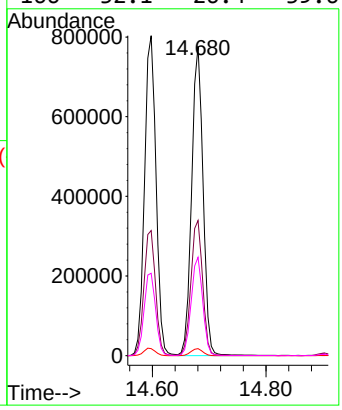


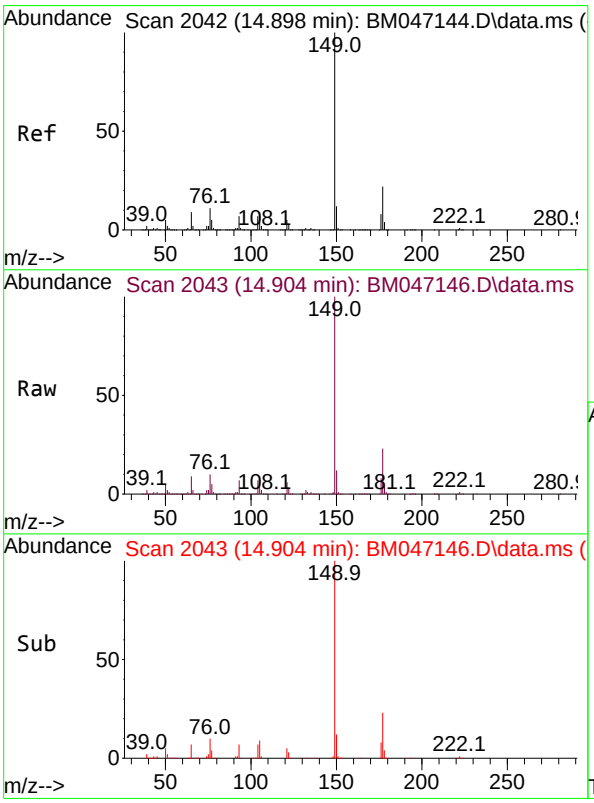
#59
2,3,4,6-Tetrachlorophenol
Concen: 62.097 ng
RT: 14.680 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 1088974

Ion	Ratio	Lower	Upper
232	100		
131	44.4	36.9	55.3
130	2.4	2.0	3.0
166	32.1	26.4	39.6

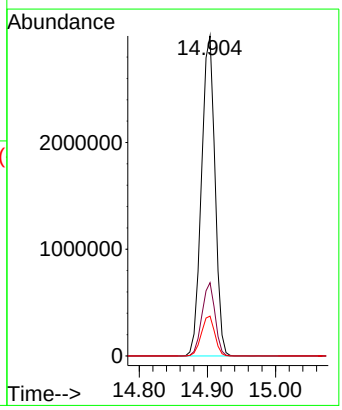


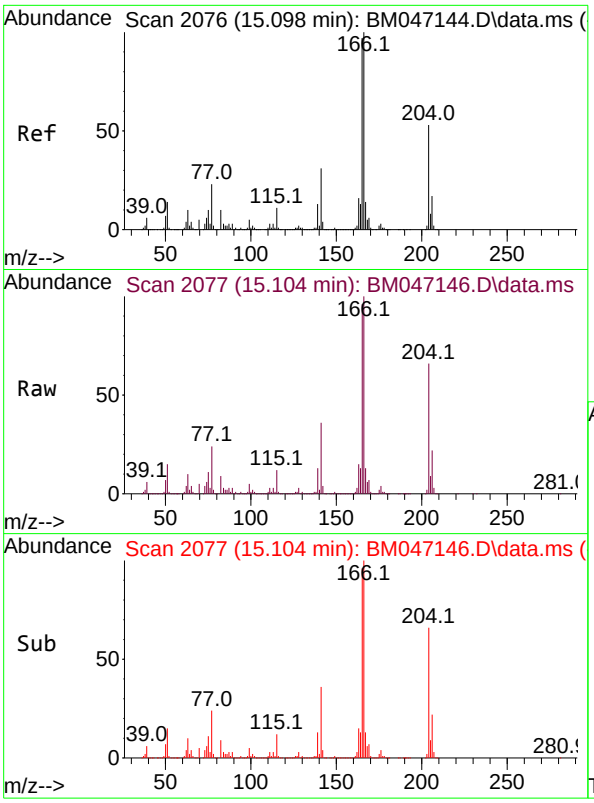


#60
Diethylphthalate
Concen: 58.389 ng
RT: 14.904 min Scan# 2043
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:149 Resp: 4128072

Ion	Ratio	Lower	Upper
149	100		
177	22.9	17.6	26.4
150	12.4	9.8	14.6



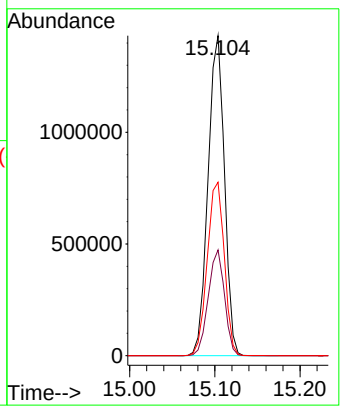


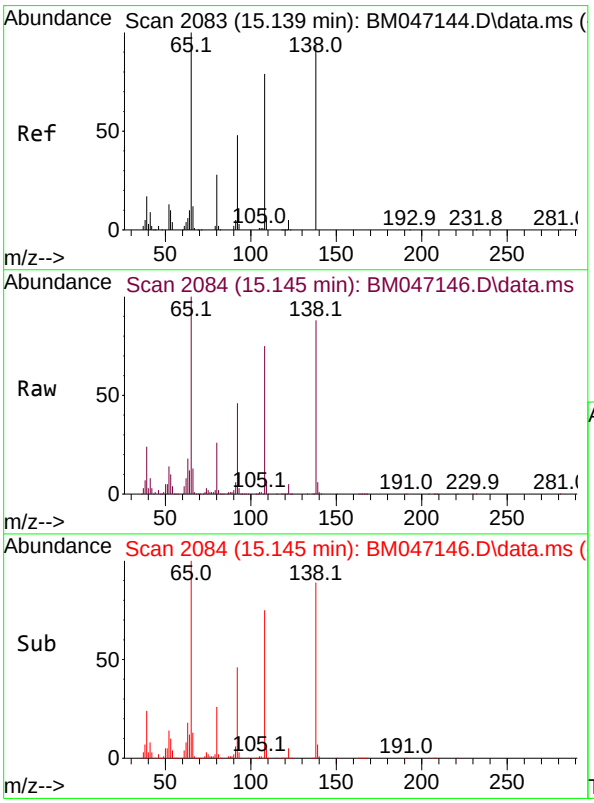
#61
4-Chlorophenyl-phenylether
Concen: 59.903 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 1916971

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.2	39.4
141	54.2	47.2	70.8

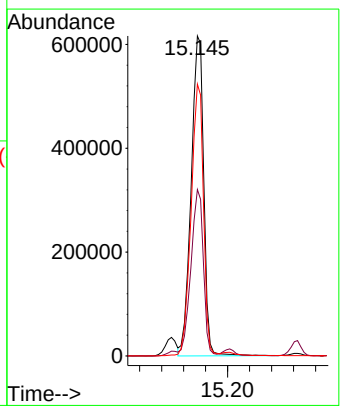


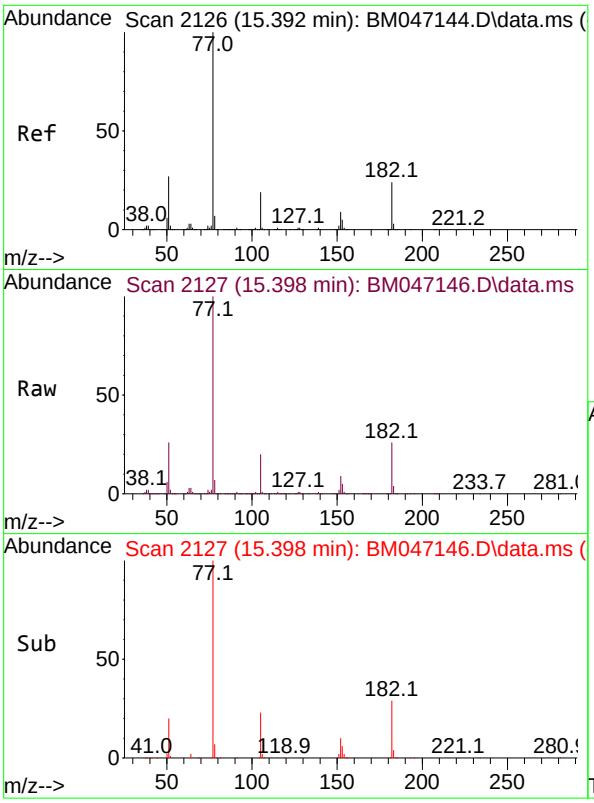


#62
4-Nitroaniline
Concen: 61.238 ng
RT: 15.145 min Scan# 2084
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:138 Resp: 978393

Ion	Ratio	Lower	Upper
138	100		
92	52.0	31.9	71.9
108	85.0	63.8	103.8



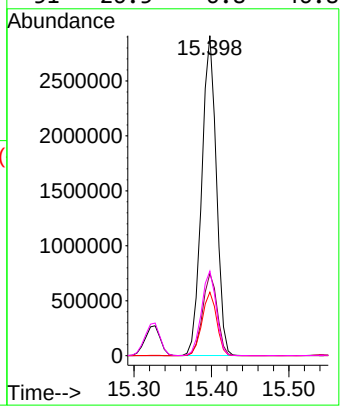


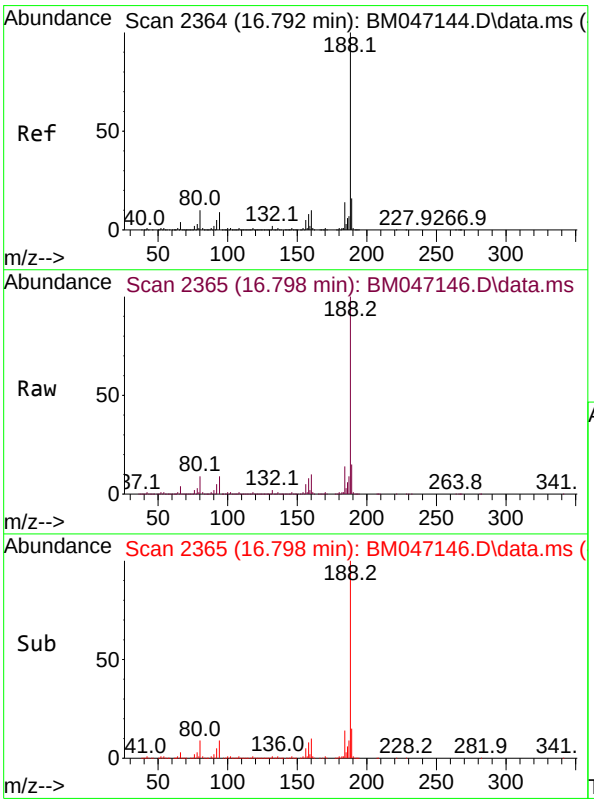
#63
Azobenzene
Concen: 56.986 ng
RT: 15.398 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 3820106

Ion	Ratio	Lower	Upper
77	100		
182	25.7	3.8	43.8
105	19.8	0.0	39.5
51	26.5	6.8	46.8

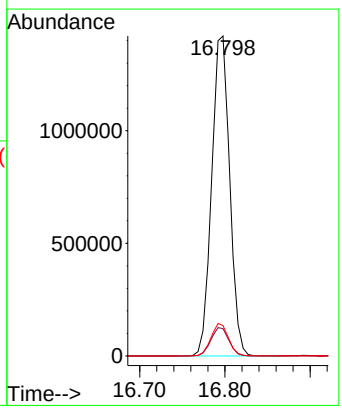


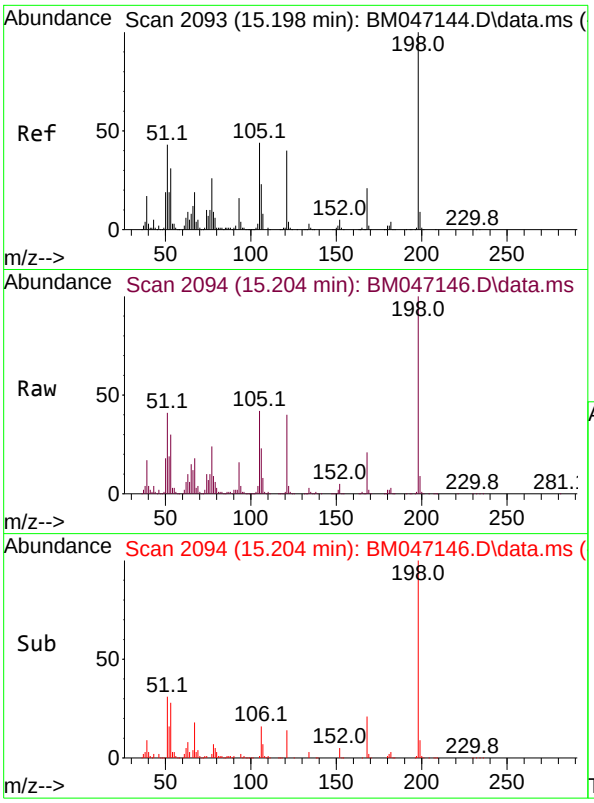


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.798 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:188 Resp: 2082135

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.0	10.6
80	9.5	8.0	12.0



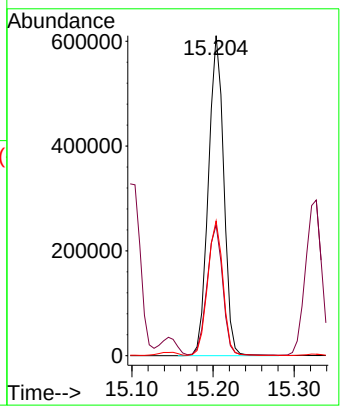


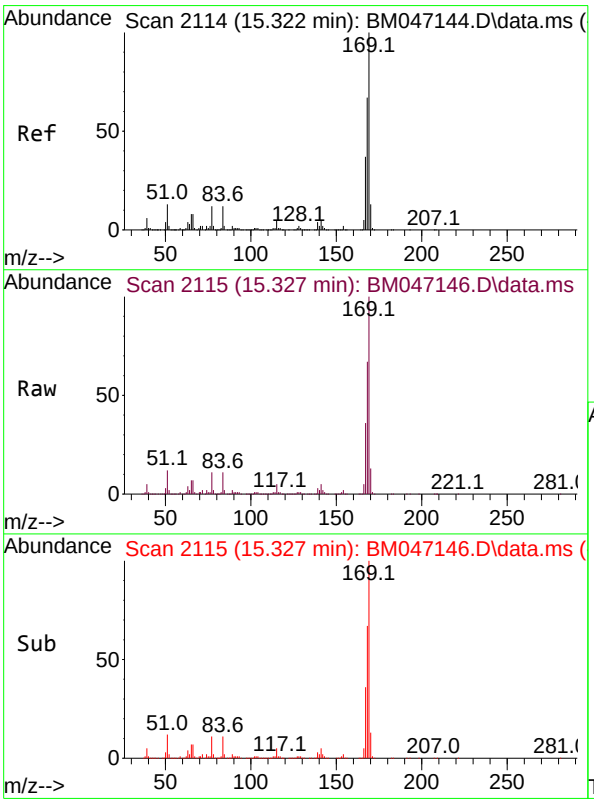
#65
4,6-Dinitro-2-methylphenol
Concen: 65.573 ng
RT: 15.204 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 799367

Ion	Ratio	Lower	Upper
198	100		
51	40.9	23.9	63.9
105	42.1	24.3	64.3

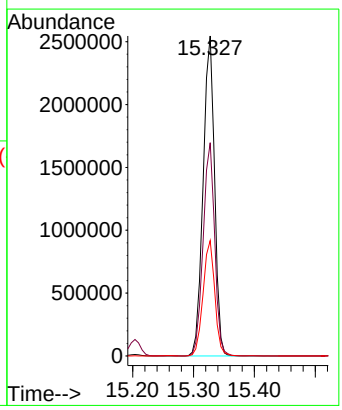


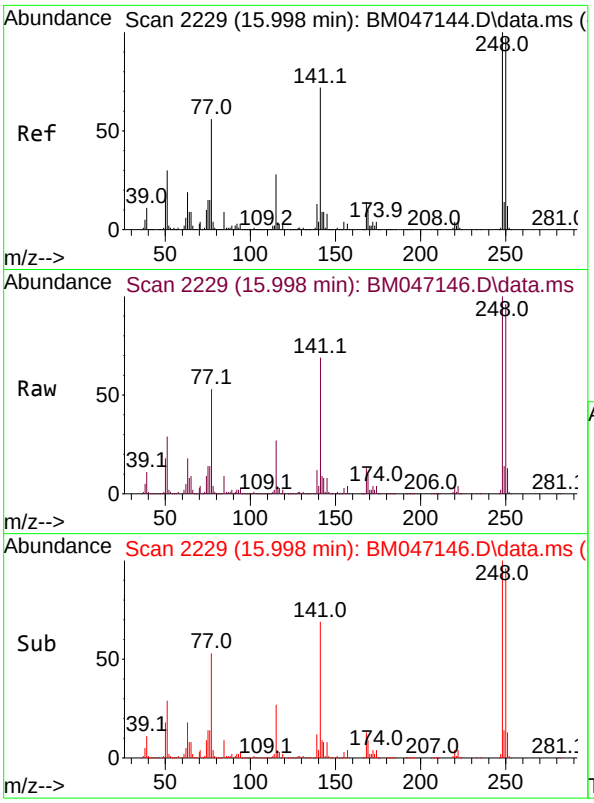


#66
n-Nitrosodiphenylamine
Concen: 58.648 ng
RT: 15.327 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:169 Resp: 3326078

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.8	80.8
167	36.1	29.3	43.9



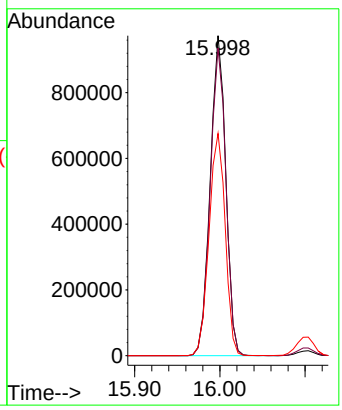


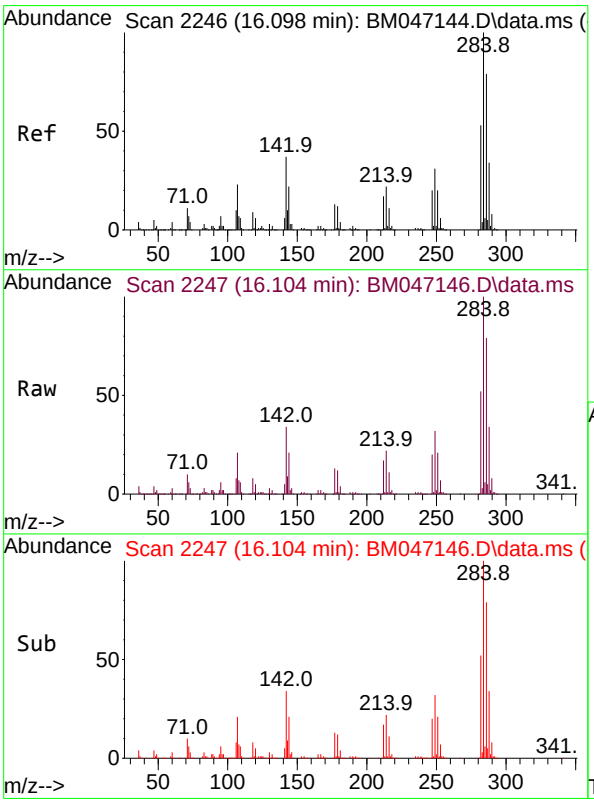
#67
4-Bromophenyl-phenylether
Concen: 61.547 ng
RT: 15.998 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 1234868

Ion	Ratio	Lower	Upper
248	100		
250	96.2	77.8	116.8
141	69.4	57.7	86.5

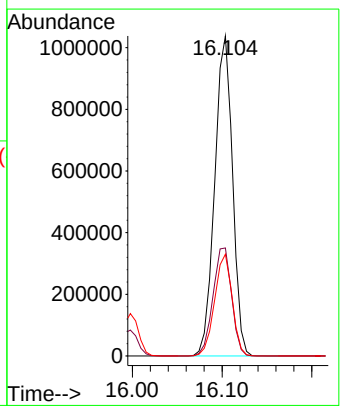


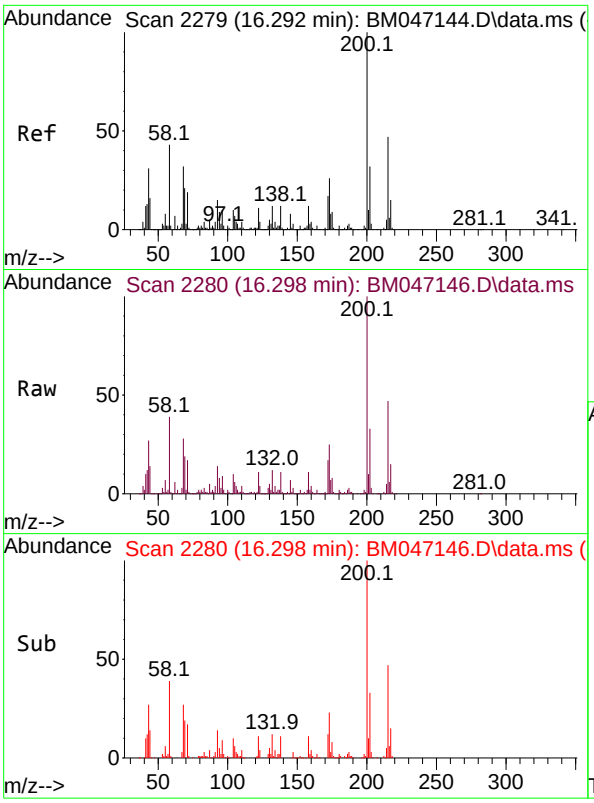


#68
Hexachlorobenzene
Concen: 59.562 ng
RT: 16.104 min Scan# 2247
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:284 Resp: 1431249

Ion	Ratio	Lower	Upper
284	100		
142	33.7	29.4	44.0
249	31.8	25.1	37.7



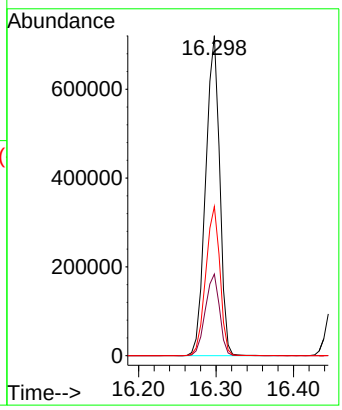


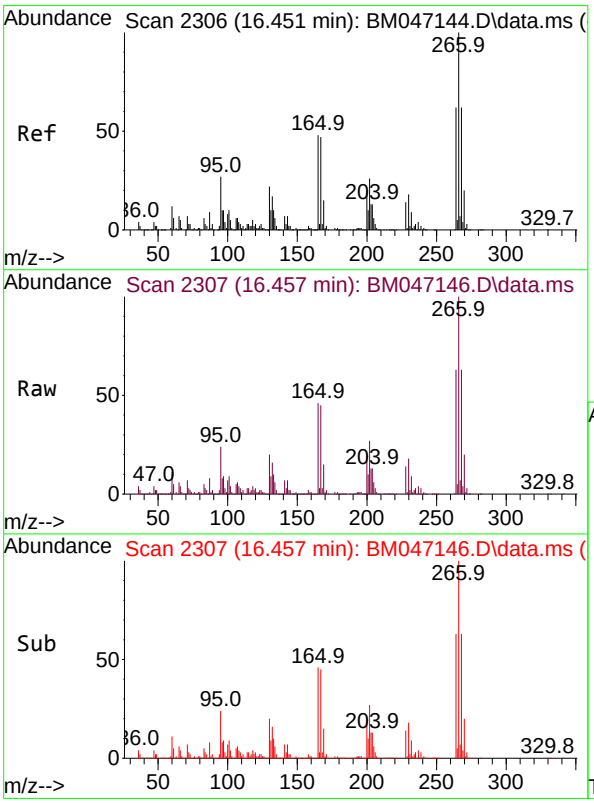
#69
Atrazine
Concen: 53.118 ng
RT: 16.298 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 906491

Ion	Ratio	Lower	Upper
200	100		
173	25.5	6.1	46.1
215	46.6	26.8	66.8

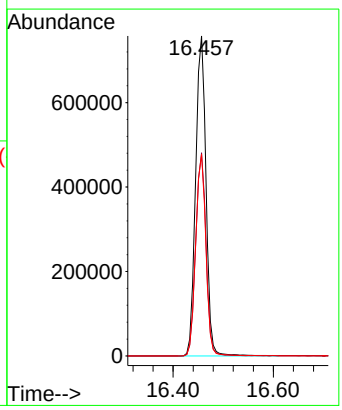


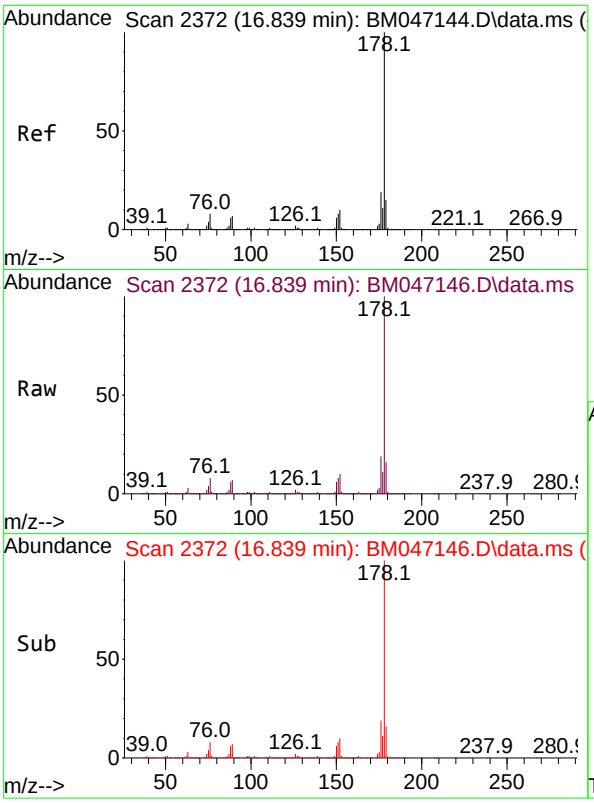


#70
Pentachlorophenol
Concen: 64.503 ng
RT: 16.457 min Scan# 2307
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:266 Resp: 1086504

Ion	Ratio	Lower	Upper
266	100		
268	63.5	49.8	74.6
264	62.9	49.6	74.4



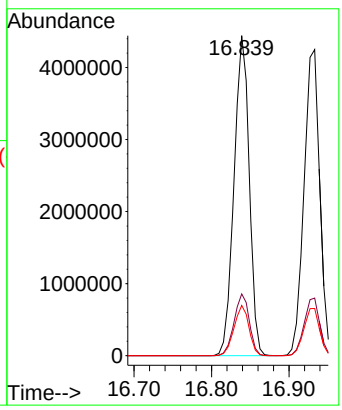


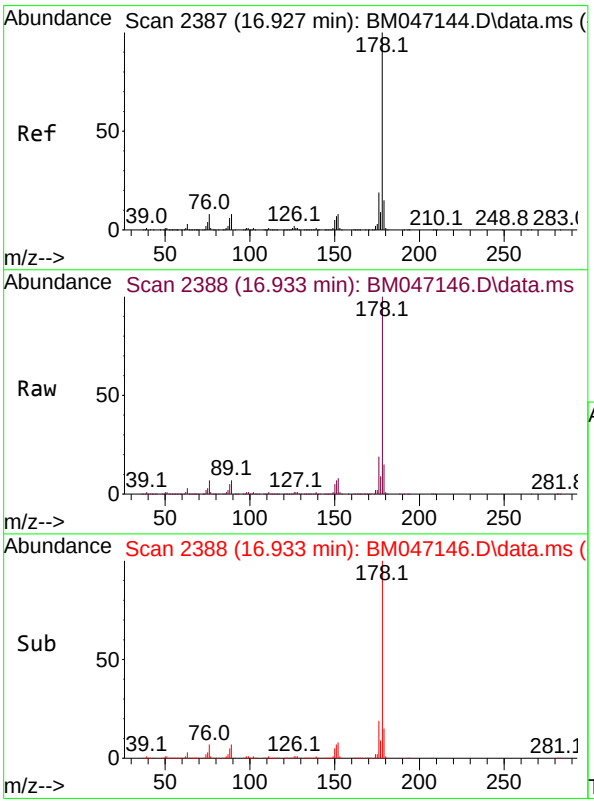
#71
Phenanthrene
Concen: 58.208 ng
RT: 16.839 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 6082429

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.7	12.4	18.6

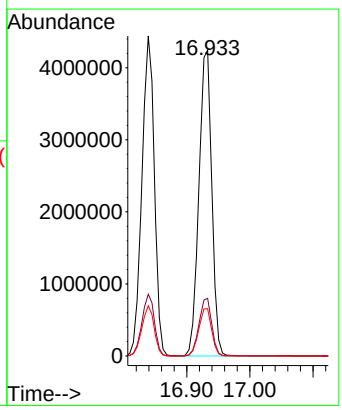


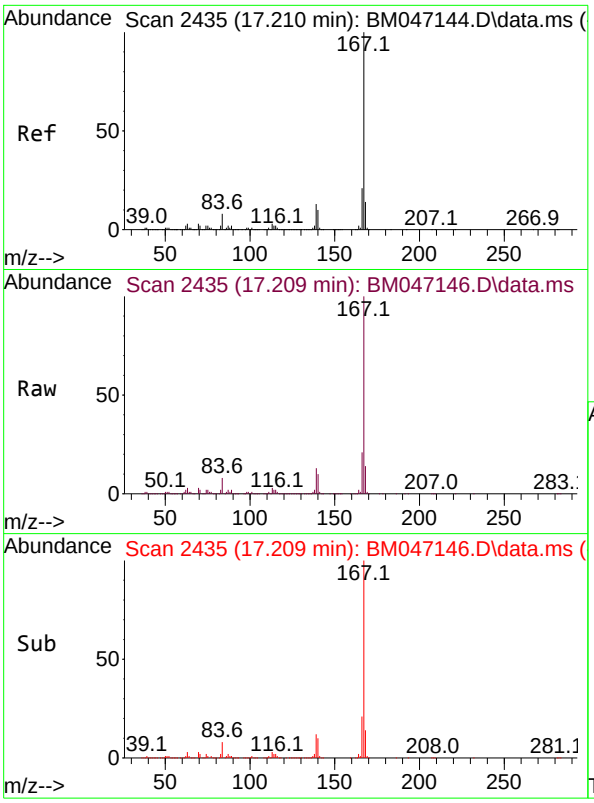


#72
Anthracene
Concen: 59.030 ng
RT: 16.933 min Scan# 2388
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:178 Resp: 6001835

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.4	12.4	18.6



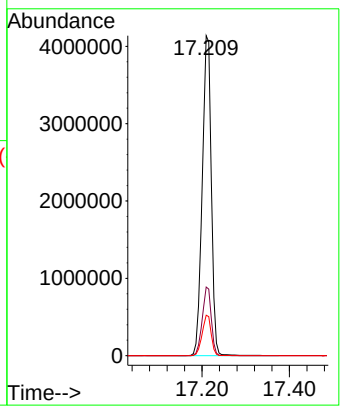


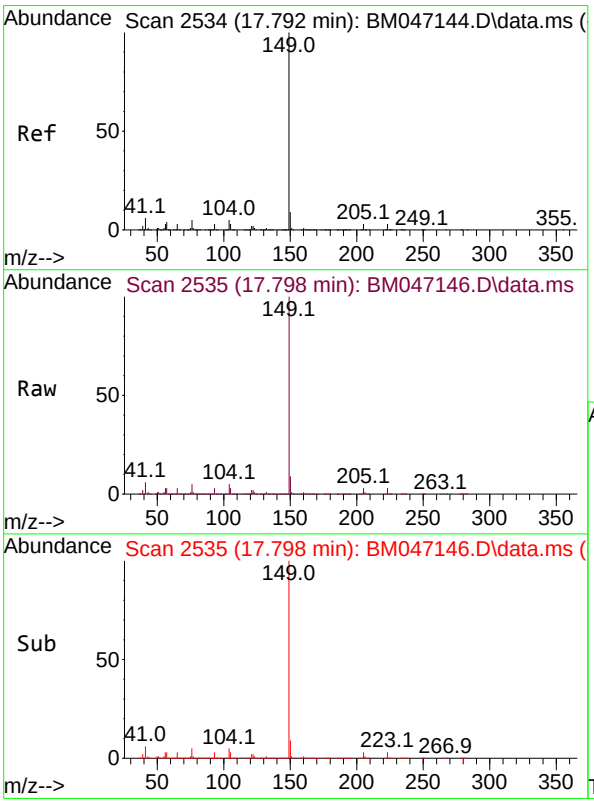
#73
Carbazole
Concen: 57.702 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 5990202

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.6	10.0	15.0

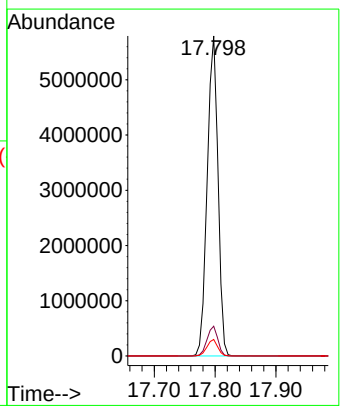


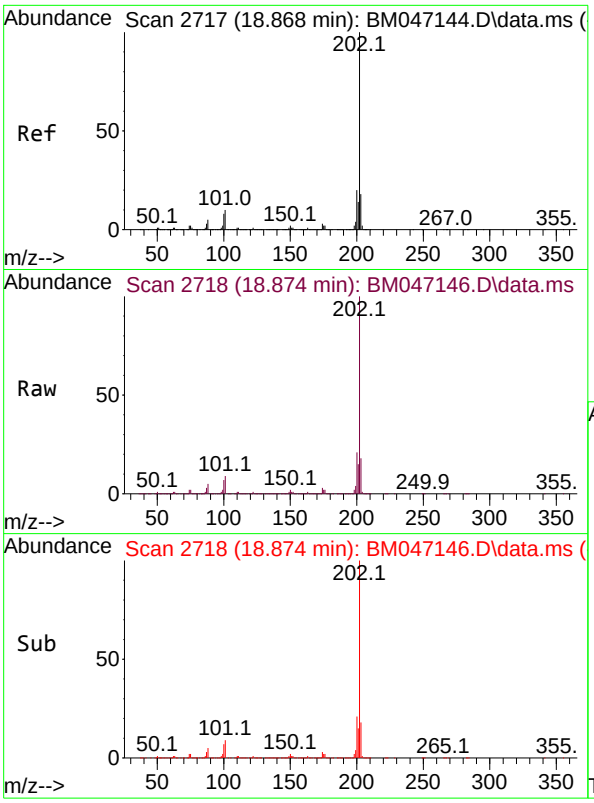


#74
Di-n-butylphthalate
Concen: 58.952 ng
RT: 17.798 min Scan# 2535
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:149 Resp: 7121063

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.1	4.1	6.1



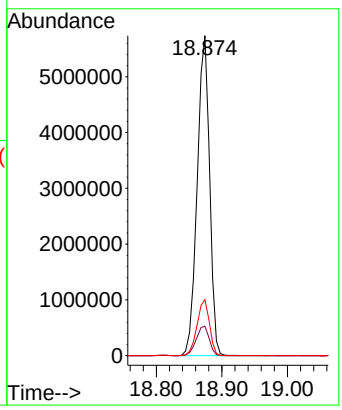


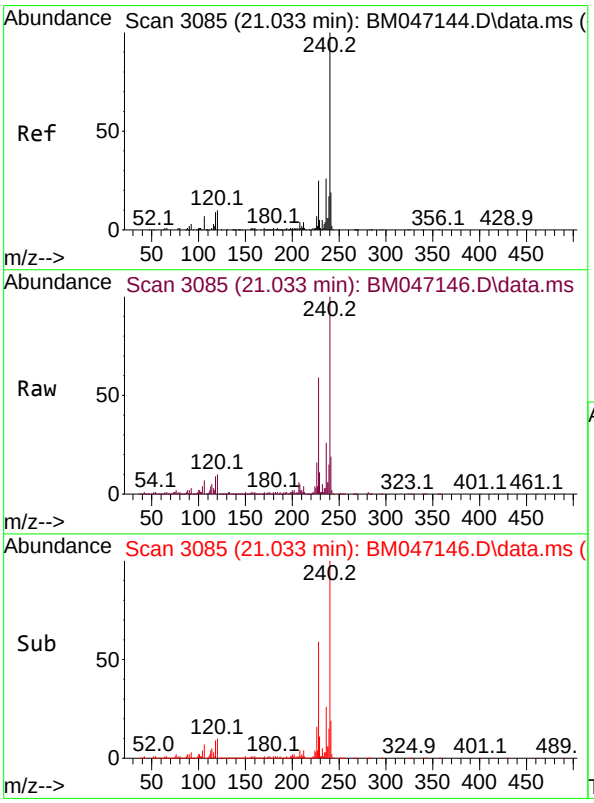
#75
Fluoranthene
Concen: 59.328 ng
RT: 18.874 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 7540518

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	30.2
203	17.5	0.0	37.6

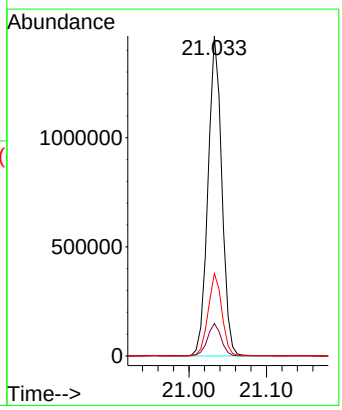


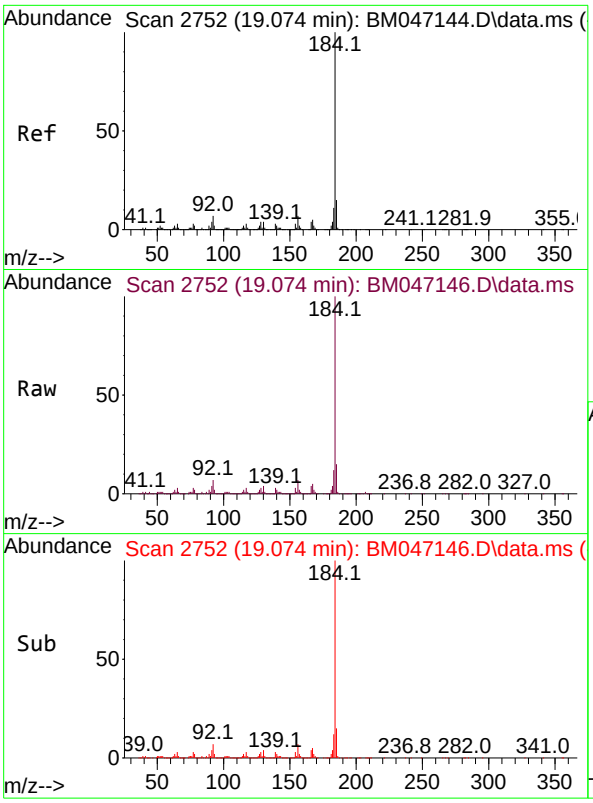


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.033 min Scan# 3085
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:240 Resp: 1812683

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.2	12.2
236	25.8	20.6	30.8



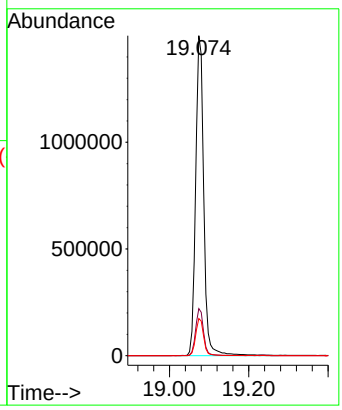


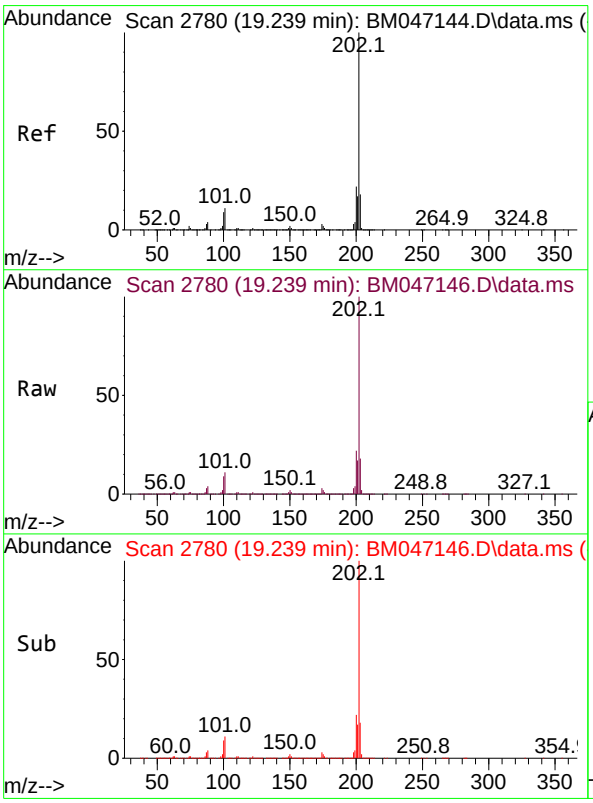
#77
Benzidine
Concen: 68.768 ng
RT: 19.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 2113957

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.8	17.6
183	11.6	9.0	13.6

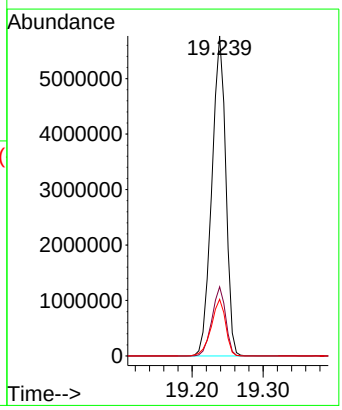


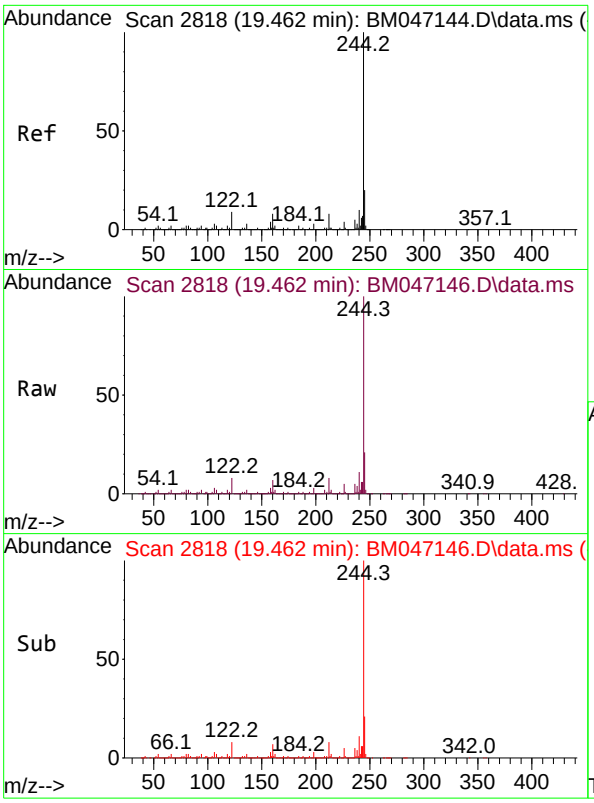


#78
Pyrene
Concen: 60.744 ng
RT: 19.239 min Scan# 2780
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:202 Resp: 7862143

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.2	25.8
203	17.7	14.2	21.2



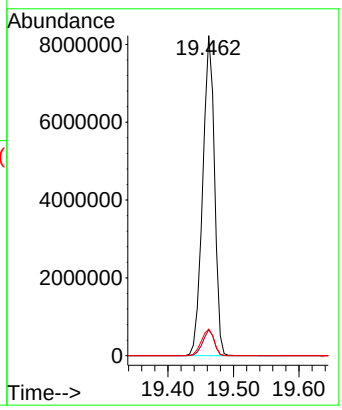


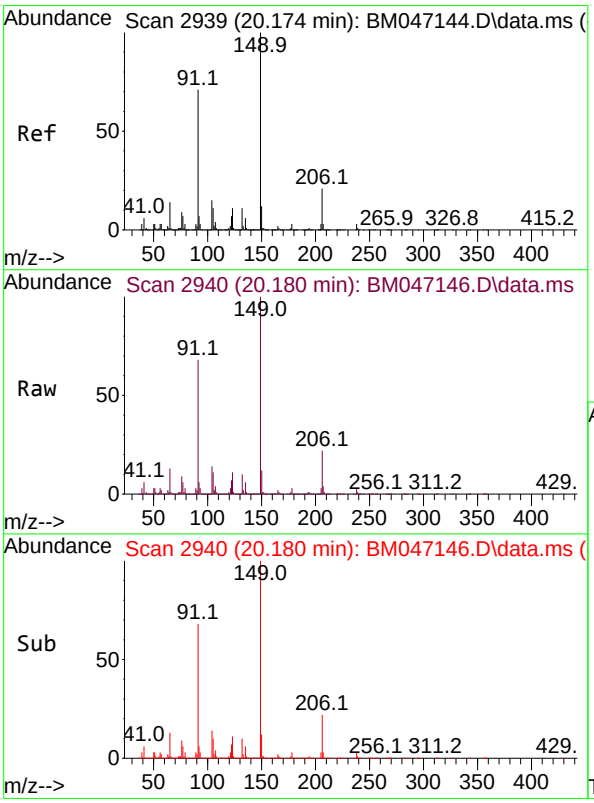
#79
Terphenyl-d14
Concen: 121.942 ng
RT: 19.462 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp:10315735

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	8.3	7.1	10.7

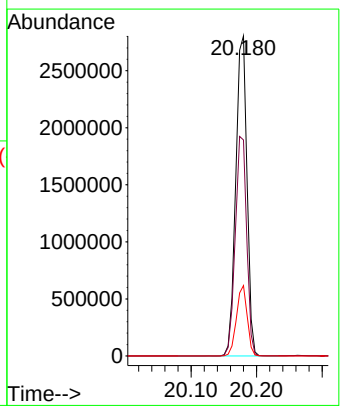


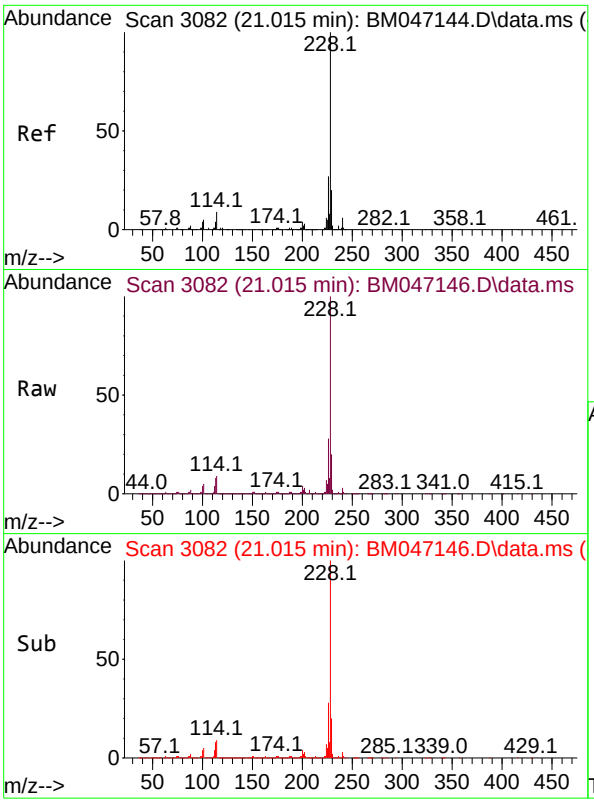


#80
Butylbenzylphthalate
Concen: 63.380 ng
RT: 20.180 min Scan# 2940
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:149 Resp: 3347760

Ion	Ratio	Lower	Upper
149	100		
91	67.5	57.0	85.4
206	22.0	16.4	24.6



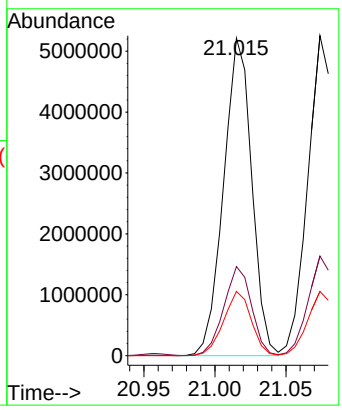


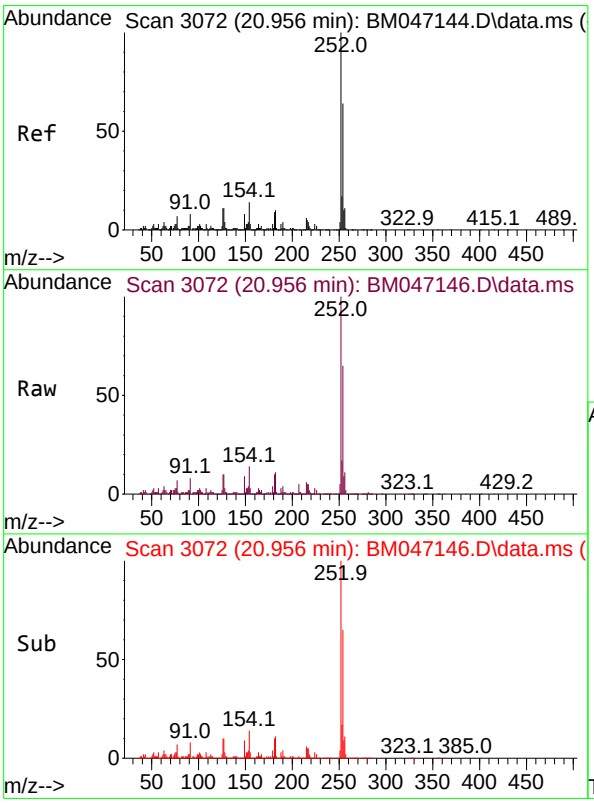
#81
Benzo(a)anthracene
Concen: 59.814 ng
RT: 21.015 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 7197782

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.8	32.6
229	20.3	15.8	23.8

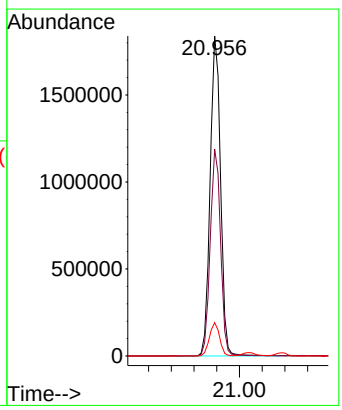


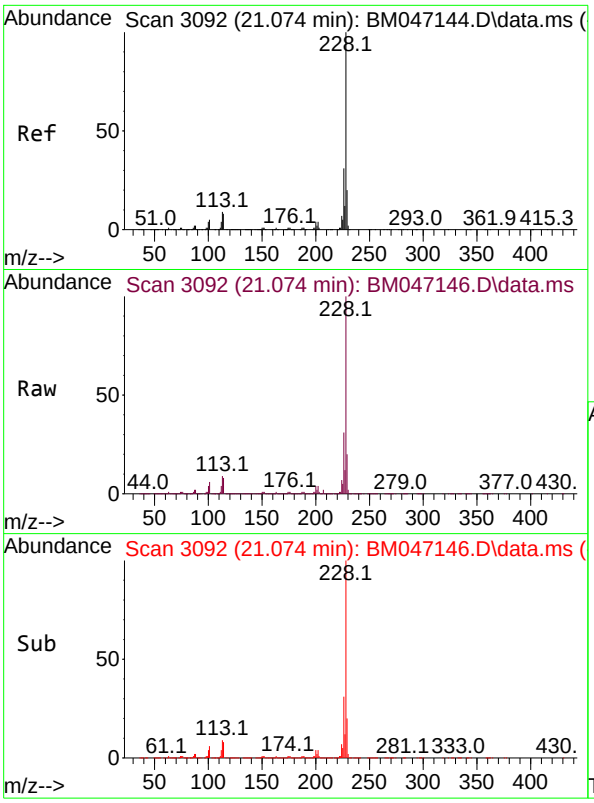


#82
3,3'-Dichlorobenzidine
Concen: 61.593 ng
RT: 20.956 min Scan# 3072
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:252 Resp: 2319044

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.0	76.6
126	10.4	8.5	12.7



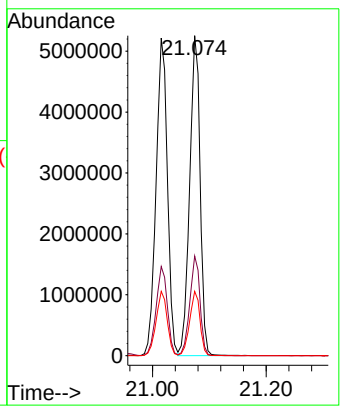


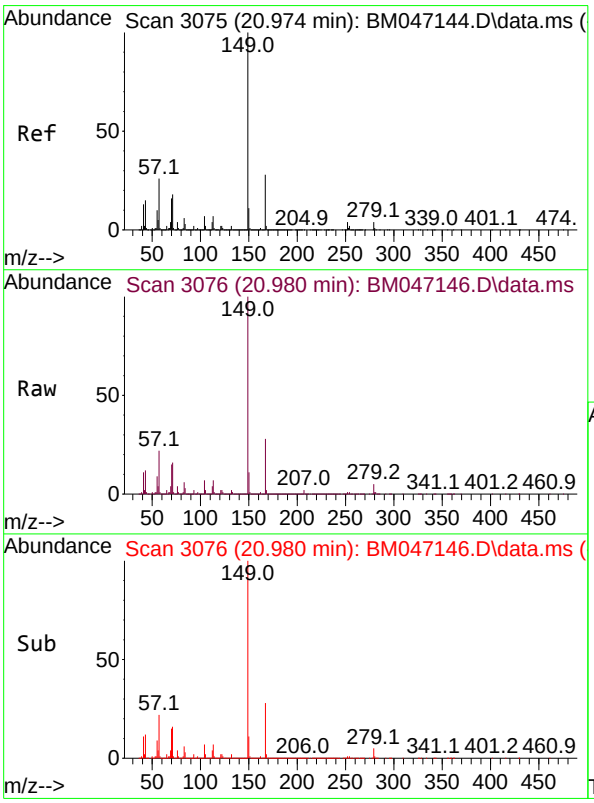
#83
Chrysene
Concen: 58.790 ng
RT: 21.074 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 6712104

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.4	36.6
229	20.1	15.7	23.5

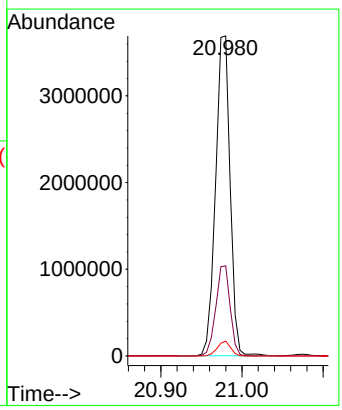


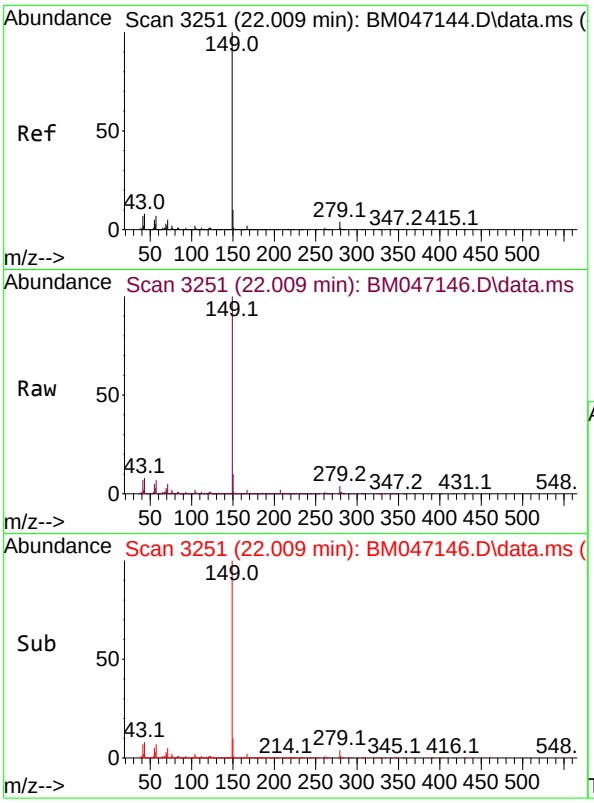


#84
Bis(2-ethylhexyl)phthalate
Concen: 61.396 ng
RT: 20.980 min Scan# 3076
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:149 Resp: 4599112

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.2	33.2
279	4.6	3.0	4.4#



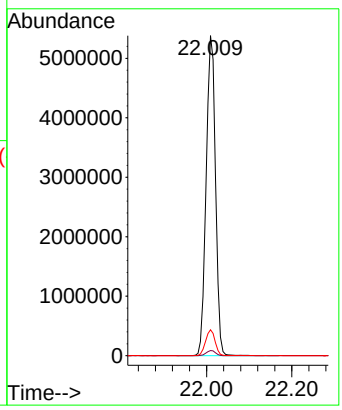


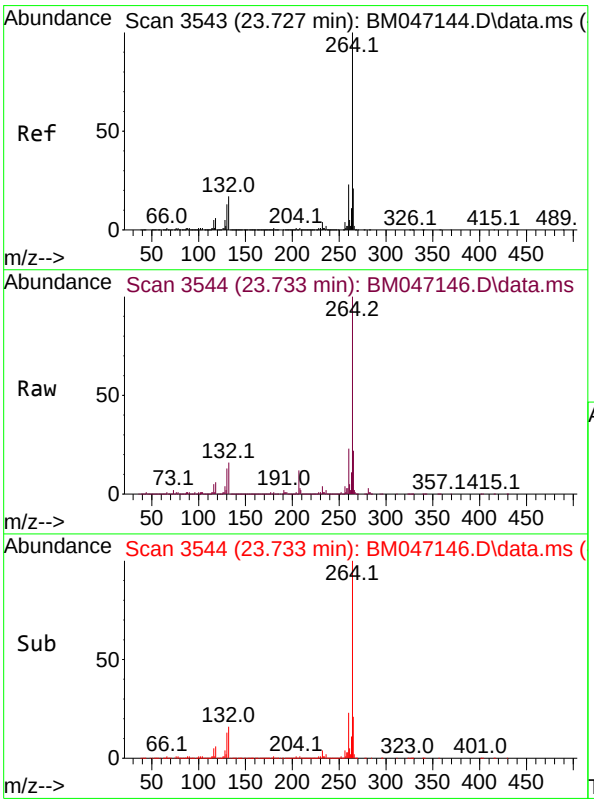
#85
Di-n-octyl phthalate
Concen: 64.180 ng
RT: 22.009 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 8171642

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.2	6.9	10.3

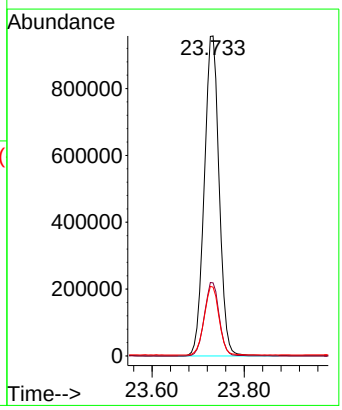


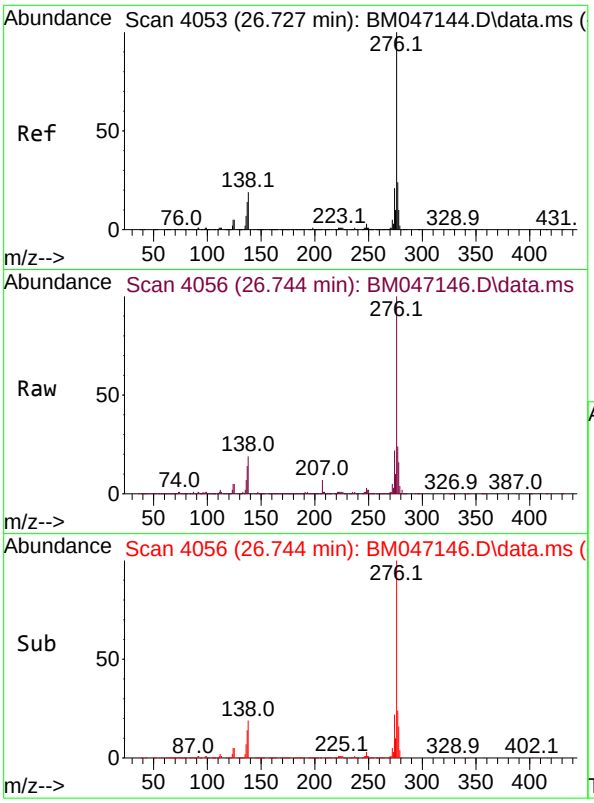


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.733 min Scan# 3544
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:264 Resp: 2151546

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.5	27.7
265	21.5	17.3	25.9



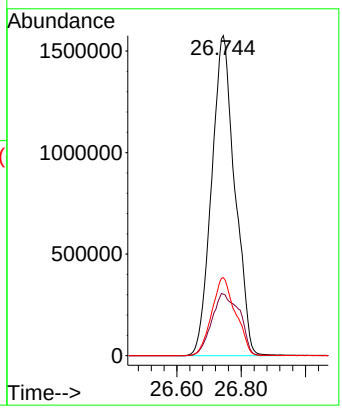


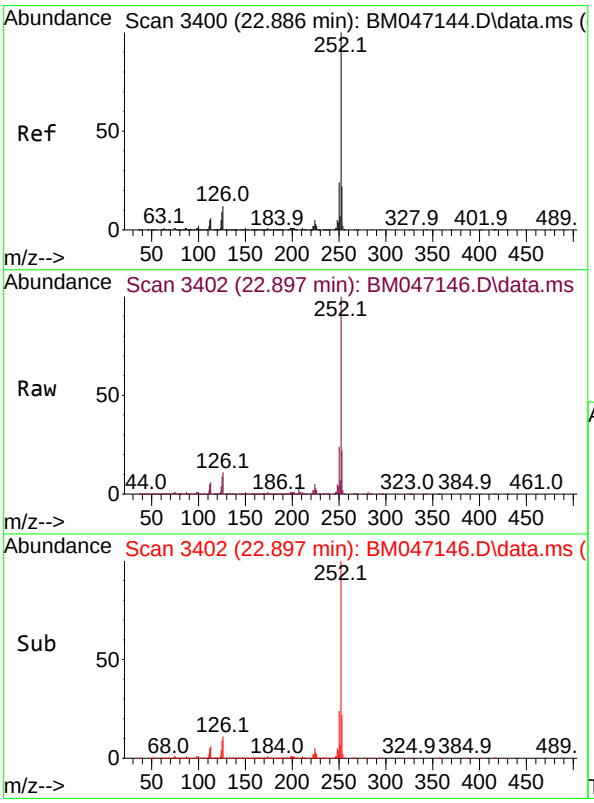
#87
Indeno(1,2,3-cd)pyrene
Concen: 56.929 ng
RT: 26.744 min Scan# 4
Delta R.T. 0.017 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 7917132

Ion	Ratio	Lower	Upper
276	100		
138	23.4	19.4	29.0
277	25.1	20.1	30.1

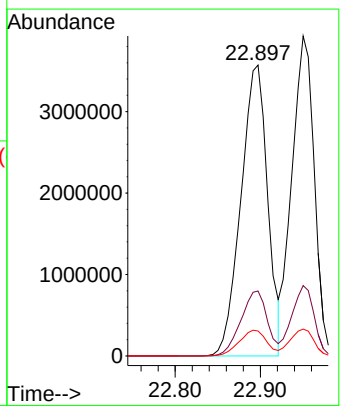


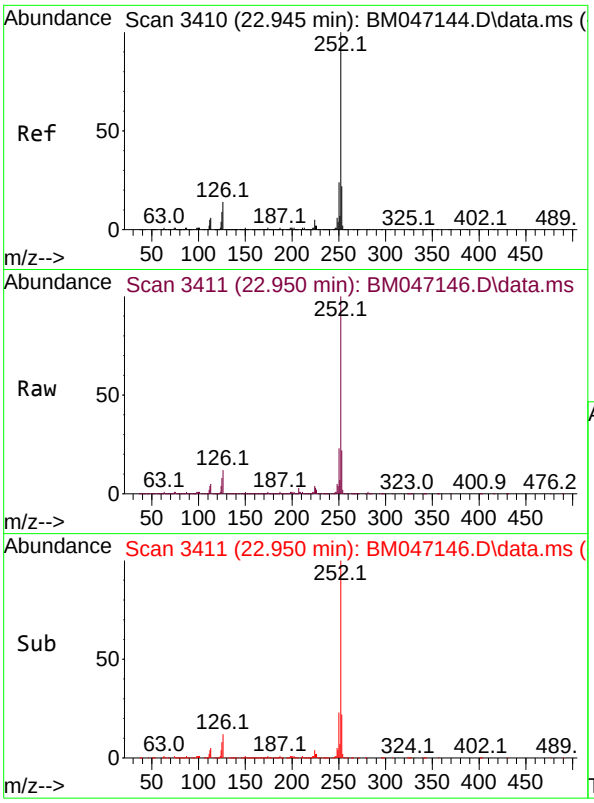


#88
Benzo(b)fluoranthene
Concen: 60.962 ng
RT: 22.897 min Scan# 3402
Delta R.T. 0.012 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:252 Resp: 7789248

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	8.6	7.4	11.0



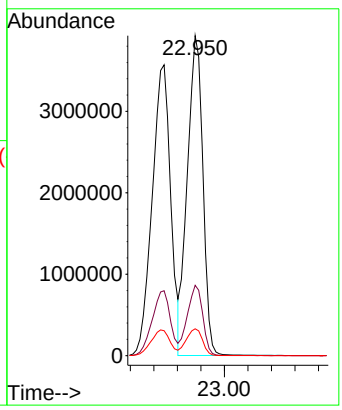


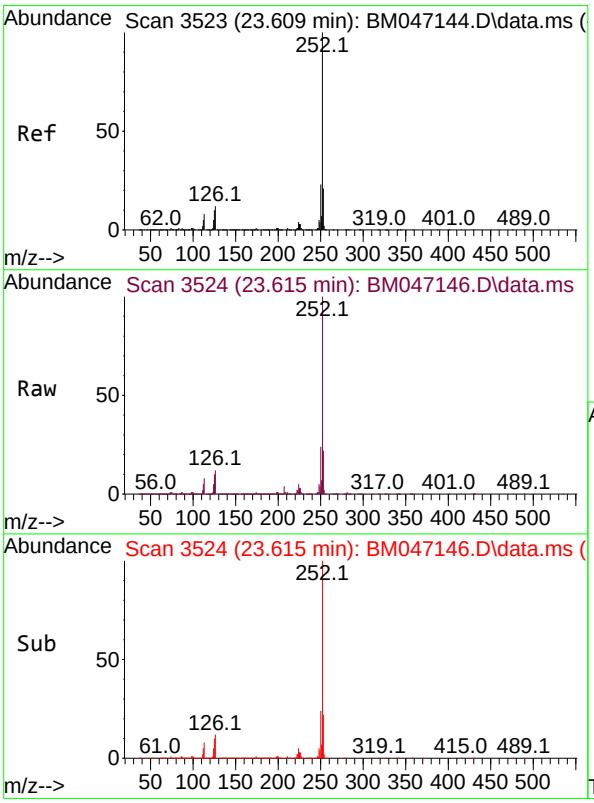
#89
Benzo(k)fluoranthene
Concen: 59.680 ng
RT: 22.950 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 7202578

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	8.4	7.4	11.2

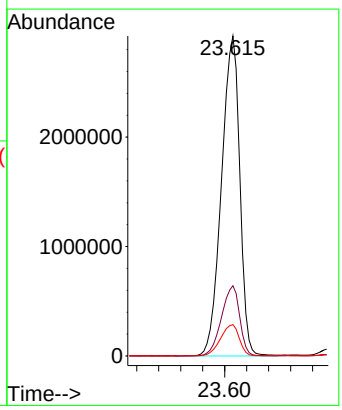


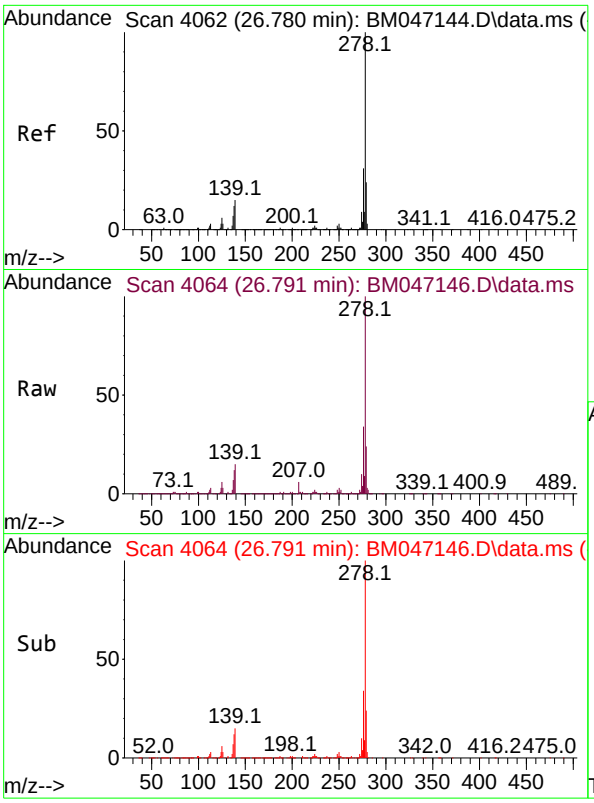


#90
Benzo(a)pyrene
Concen: 60.997 ng
RT: 23.615 min Scan# 3524
Delta R.T. 0.006 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:252 Resp: 6751397

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	9.8	8.2	12.2



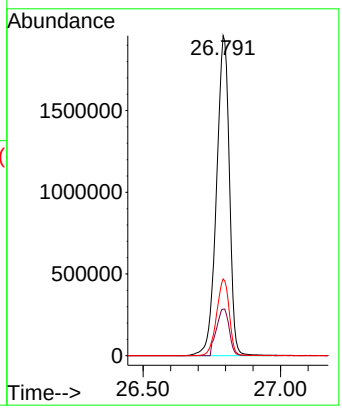


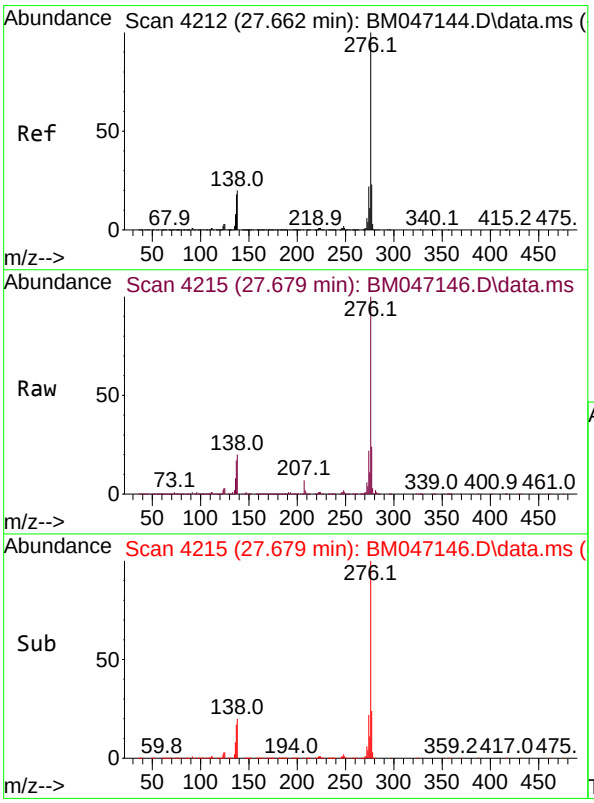
#91
Dibenzo(a,h)anthracene
Concen: 56.576 ng
RT: 26.791 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 6367453

Ion	Ratio	Lower	Upper
278	100		
139	14.6	12.0	18.0
279	24.0	19.2	28.8

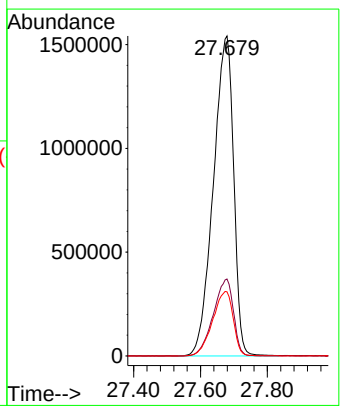




#92
Benzo(g,h,i)perylene
Concen: 55.488 ng
RT: 27.679 min Scan# 4215
Delta R.T. 0.017 min
Lab File: BM047146.D
Acq: 10 Aug 2024 17:11

Tgt Ion:276 Resp: 6483852

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	20.1	16.2	24.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047147.D
Acq On : 10 Aug 2024 17:51
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Aug 11 23:35:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.375	152	304450	20.000	ng		0.00
21) Naphthalene-d8	10.134	136	1204959	20.000	ng		0.00
39) Acenaphthene-d10	14.033	164	795761	20.000	ng		0.00
64) Phenanthrene-d10	16.798	188	1674812	20.000	ng		0.00
76) Chrysene-d12	21.033	240	1443265	20.000	ng		0.00
86) Perylene-d12	23.733	264	1789187	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.028	112	2548471	149.572	ng		0.00
7) Phenol-d6	6.593	99	3559773	151.625	ng		0.00
23) Nitrobenzene-d5	8.528	82	3582678	149.714	ng		0.00
42) 2,4,6-Tribromophenol	15.545	330	1437262	155.767	ng		0.00
45) 2-Fluorobiphenyl	12.645	172	7769782	150.612	ng		0.00
79) Terphenyl-d14	19.462	244	10644639	158.037	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.034	88	518861	73.496	ng		99
3) Pyridine	3.410	79	1583783m	76.560	ng		
4) n-Nitrosodimethylamine	3.328	42	678926	75.066	ng		96
6) Aniline	6.734	93	1624949	73.227	ng		99
8) 2-Chlorophenol	6.951	128	1372864	73.876	ng		99
10) Phenol	6.616	94	1769382	75.529	ng		99
11) bis(2-Chloroethyl)ether	6.834	93	1474612	73.503	ng		99
12) 1,3-Dichlorobenzene	7.263	146	1643503	74.424	ng		99
13) 1,4-Dichlorobenzene	7.410	146	1656531	74.089	ng		100
14) 1,2-Dichlorobenzene	7.722	146	1535913	72.806	ng		99
15) Benzyl Alcohol	7.634	79	1293991	77.443	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.916	45	1798177	69.769	ng		100
17) 2-Methylphenol	7.834	107	1167820	74.722	ng		99
18) Hexachloroethane	8.428	117	649682	75.015	ng		99
19) n-Nitroso-di-n-propyla...	8.198	70	1114969	70.505	ng		98
20) 3+4-Methylphenols	8.169	107	1646698	75.366	ng		99
22) Acetophenone	8.198	105	2124216	73.033	ng	#	98
24) Nitrobenzene	8.569	77	1777843	73.781	ng		99
25) Isophorone	9.098	82	3163607	75.927	ng		99
26) 2-Nitrophenol	9.263	139	891212	83.514	ng		99
27) 2,4-Dimethylphenol	9.345	122	981455	78.514	ng		99
28) bis(2-Chloroethoxy)met...	9.581	93	1908847	72.808	ng		98
29) 2,4-Dichlorophenol	9.798	162	1485940	80.115	ng		100
30) 1,2,4-Trichlorobenzene	10.004	180	1625842	77.458	ng		100
31) Naphthalene	10.181	128	4520274	75.304	ng		99
32) Benzoic acid	9.575	122	1293498	88.571	ng		99
33) 4-Chloroaniline	10.316	127	1753660	75.970	ng		100
34) Hexachlorobutadiene	10.469	225	991890	80.736	ng		99
35) Caprolactam	11.151	113	523592m	81.288	ng		
36) 4-Chloro-3-methylphenol	11.463	107	1559534	78.951	ng		99
37) 2-Methylnaphthalene	11.810	142	3301008	77.236	ng		99
38) 1-Methylnaphthalene	12.033	142	3232647	76.532	ng		99
40) 1,2,4,5-Tetrachloroben...	12.192	216	1736758	80.017	ng		99
41) Hexachlorocyclopentadiene	12.169	237	620195	81.830	ng		97
43) 2,4,6-Trichlorophenol	12.451	196	1259185	81.622	ng		99
44) 2,4,5-Trichlorophenol	12.522	196	1383585	80.776	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047147.D
Acq On : 10 Aug 2024 17:51
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Aug 11 23:35:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration

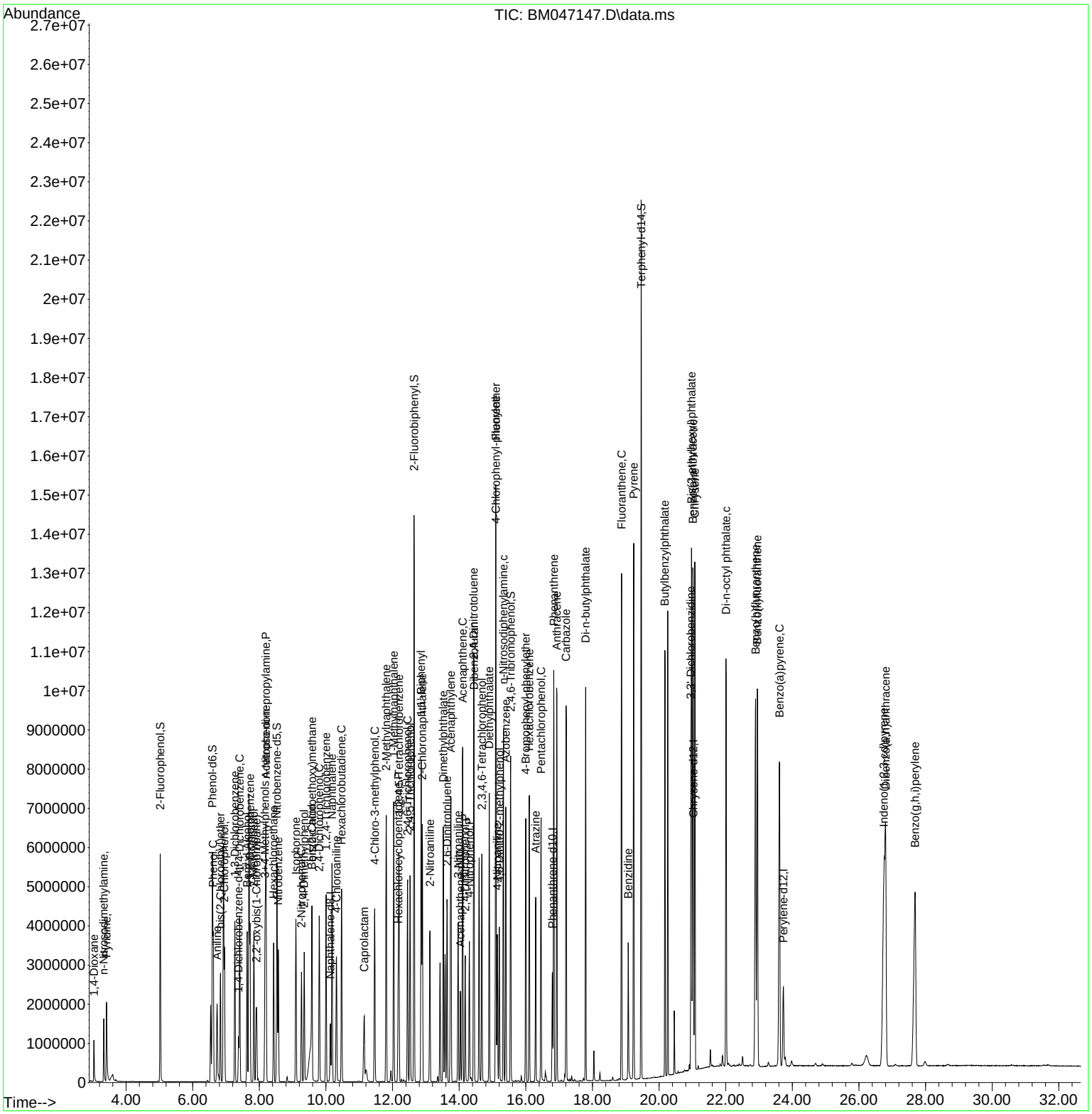
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	12.857	154	4241252	74.866	ng	98
47) 2-Chloronaphthalene	12.892	162	3319138	74.960	ng	99
48) 2-Nitroaniline	13.122	65	1090521	78.614	ng	99
49) Acenaphthylene	13.751	152	4945706	75.775	ng	99
50) Dimethylphthalate	13.522	163	4196226	75.503	ng	99
51) 2,6-Dinitrotoluene	13.639	165	1028020	79.128	ng	91
52) Acenaphthene	14.104	154	3144083	75.941	ng	99
53) 3-Nitroaniline	13.969	138	1034545	79.468	ng	100
54) 2,4-Dinitrophenol	14.180	184	674624	86.639	ng	96
55) Dibenzofuran	14.445	168	4887362	74.735	ng	99
56) 4-Nitrophenol	14.304	139	913035	81.334	ng	96
57) 2,4-Dinitrotoluene	14.433	165	1370129	79.012	ng	97
58) Fluorene	15.098	166	4025459	74.602	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.680	232	1128723	80.180	ng	98
60) Diethylphthalate	14.904	149	4257104	75.010	ng	98
61) 4-Chlorophenyl-phenyle...	15.104	204	1997247	77.748	ng	96
62) 4-Nitroaniline	15.145	138	1020427	79.564	ng	99
63) Azobenzene	15.398	77	3920766	72.861	ng	97
65) 4,6-Dinitro-2-methylph...	15.204	198	820182	83.643	ng	97
66) n-Nitrosodiphenylamine	15.327	169	3446873	75.560	ng	99
67) 4-Bromophenyl-phenylether	15.998	248	1277742	79.172	ng	99
68) Hexachlorobenzene	16.104	284	1481615	76.654	ng	98
69) Atrazine	16.298	200	862020	62.797	ng	99
70) Pentachlorophenol	16.457	266	1115403	82.323	ng	98
71) Phenanthrene	16.839	178	6356974	75.631	ng	100
72) Anthracene	16.933	178	6203287	75.850	ng	100
73) Carbazole	17.210	167	6250976	74.858	ng	100
74) Di-n-butylphthalate	17.798	149	7355197	75.700	ng	100
75) Fluoranthene	18.874	202	7852169	76.805	ng	99
77) Benzidine	19.074	184	1943953	79.424	ng	100
78) Pyrene	19.239	202	8163599	79.218	ng	100
80) Butylbenzylphthalate	20.174	149	3437732	81.742	ng	100
81) Benzo(a)anthracene	21.015	228	7463024	77.892	ng	99
82) 3,3'-Dichlorobenzidine	20.956	252	2359199	78.698	ng	99
83) Chrysene	21.074	228	6992860	76.926	ng	99
84) Bis(2-ethylhexyl)phtha...	20.974	149	4711826	79.001	ng	99
85) Di-n-octyl phthalate	22.009	149	8464049	83.492	ng	99
87) Indeno(1,2,3-cd)pyrene	26.750	276	9258642	80.058	ng	99
88) Benzo(b)fluoranthene	22.897	252	8329223	78.391	ng	99
89) Benzo(k)fluoranthene	22.950	252	7726234	76.985	ng	99
90) Benzo(a)pyrene	23.615	252	7338002	79.723	ng	98
91) Dibenzo(a,h)anthracene	26.803	278	7361474	78.655	ng	99
92) Benzo(g,h,i)perylene	27.685	276	7705035	79.293	ng	99

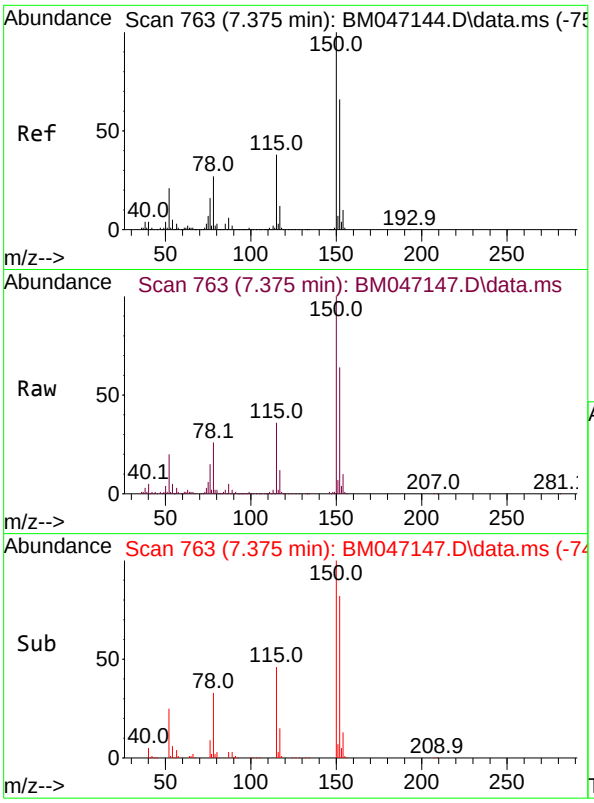
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047147.D
Acq On : 10 Aug 2024 17:51
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Aug 11 23:35:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:24:37 2024
Response via : Initial Calibration



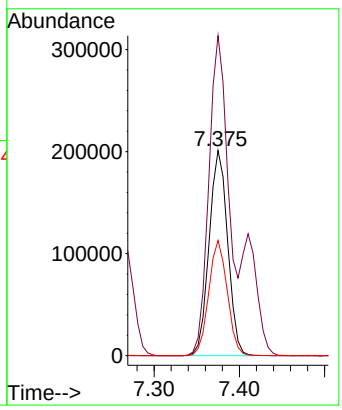


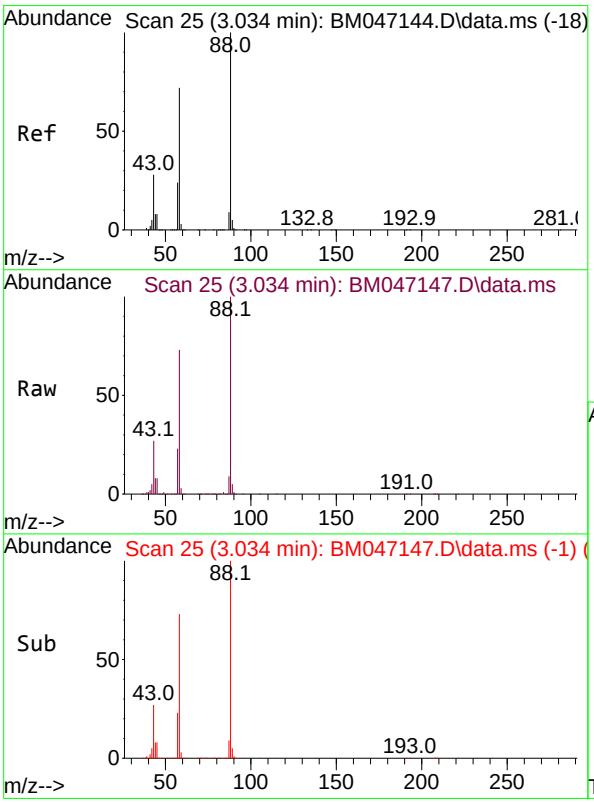
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 304450

Ion	Ratio	Lower	Upper
152	100		
150	156.0	120.5	180.7
115	56.2	45.5	68.3

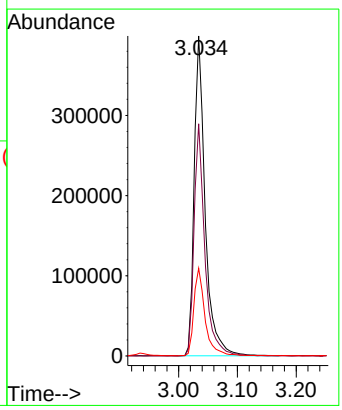


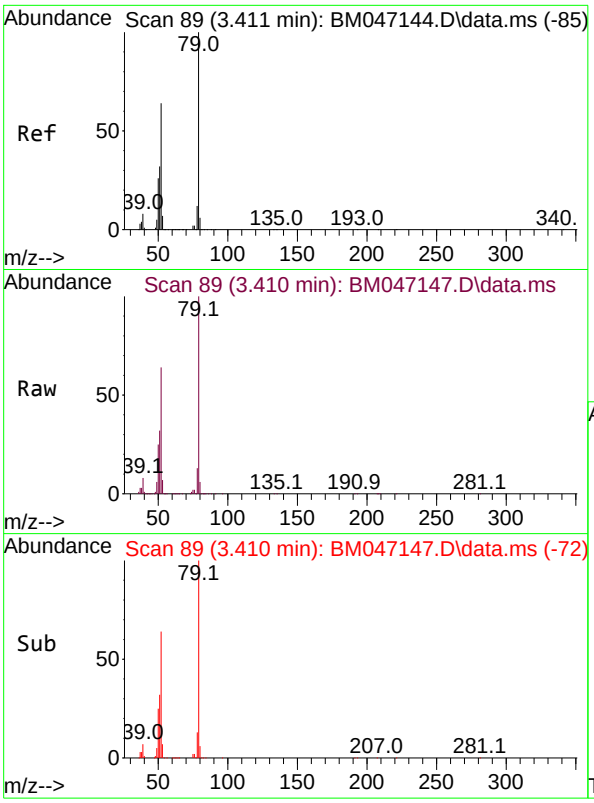


#2
1,4-Dioxane
Concen: 73.496 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion: 88 Resp: 518861

Ion	Ratio	Lower	Upper
88	100		
58	71.3	58.2	87.4
43	27.8	22.5	33.7



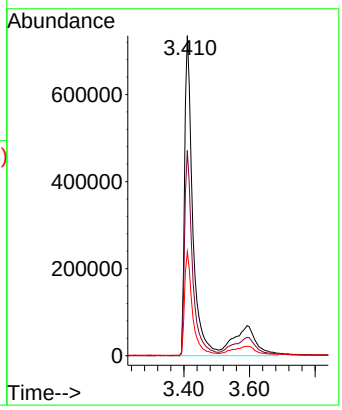


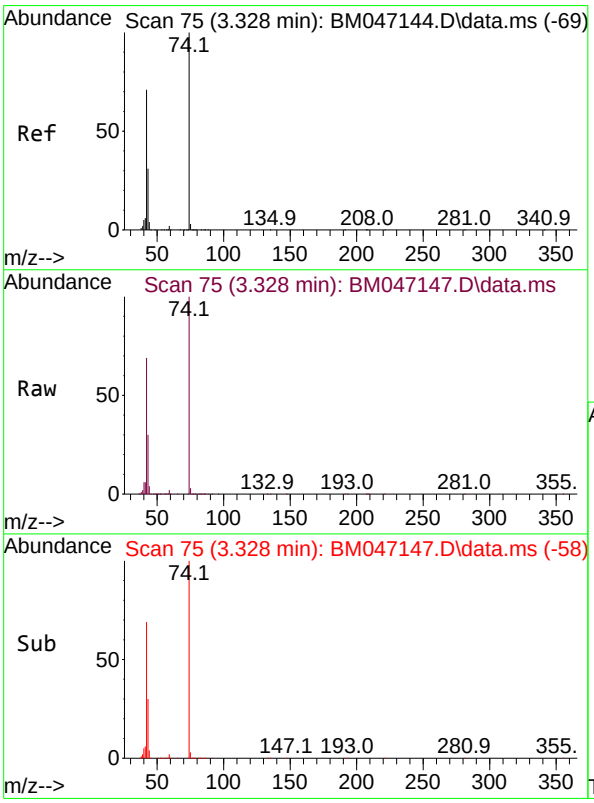
#3
Pyridine
Concen: 76.560 ng m
RT: 3.410 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1583783

Ion	Ratio	Lower	Upper
79	100		
52	64.1	51.2	76.8
51	32.4	26.1	39.1

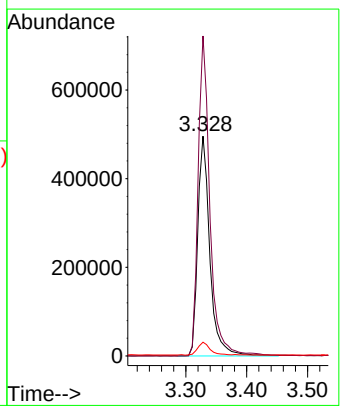


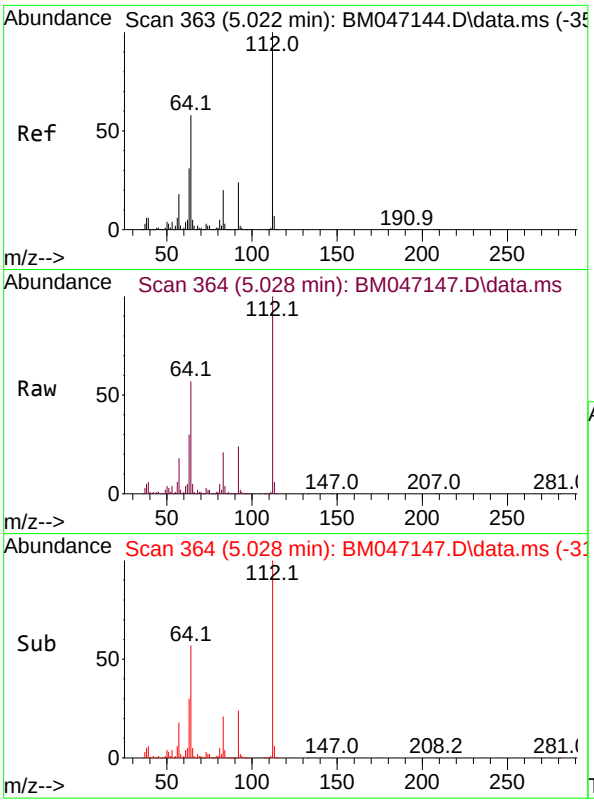


#4
n-Nitrosodimethylamine
Concen: 75.066 ng
RT: 3.328 min Scan# 75
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion: 42 Resp: 678926

Ion	Ratio	Lower	Upper
42	100		
74	145.6	112.9	169.3
44	6.3	5.3	7.9



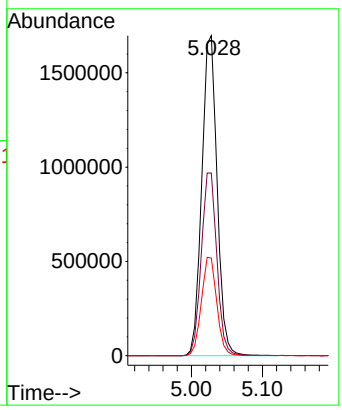


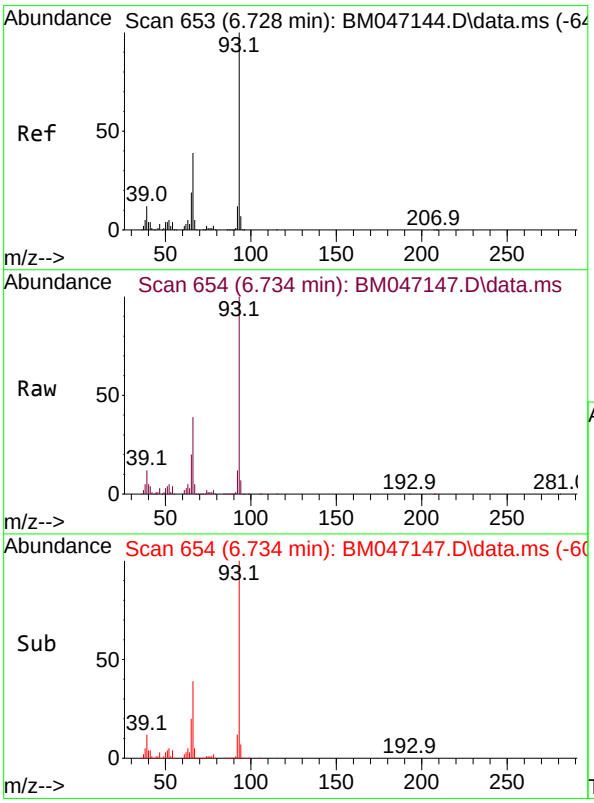
#5
2-Fluorophenol
Concen: 149.572 ng
RT: 5.028 min Scan# 3(
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 2548471

Ion	Ratio	Lower	Upper
112	100		
64	57.1	46.7	70.1
63	30.5	24.8	37.2

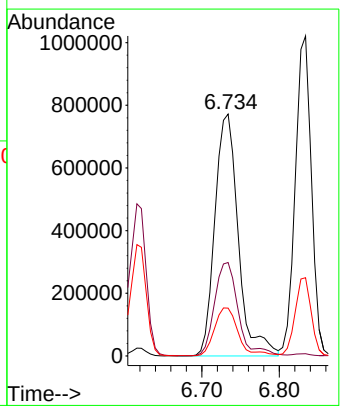


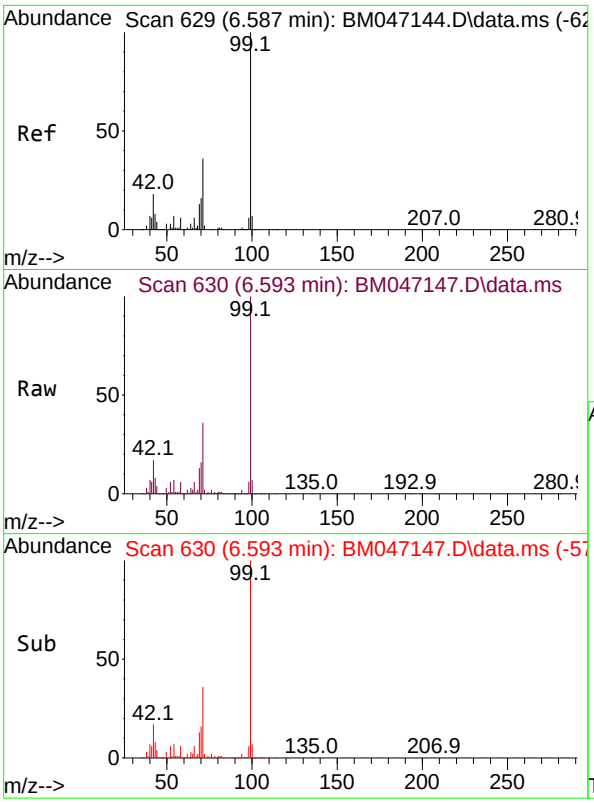


#6
Aniline
Concen: 73.227 ng
RT: 6.734 min Scan# 654
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion: 93 Resp: 1624949

Ion	Ratio	Lower	Upper
93	100		
66	38.6	31.4	47.2
65	19.8	15.6	23.4



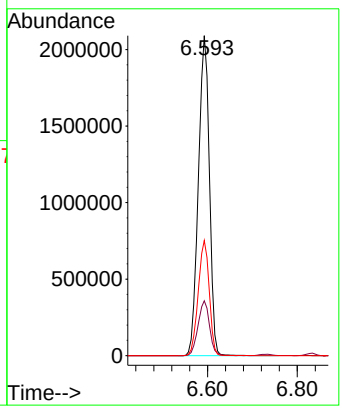


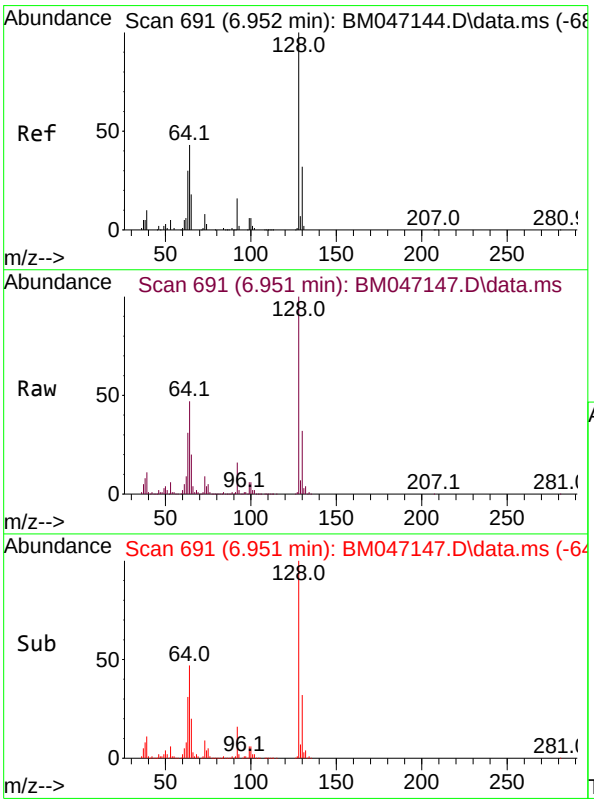
#7
Phenol-d6
Concen: 151.625 ng
RT: 6.593 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 3559773

Ion	Ratio	Lower	Upper
99	100		
42	17.2	14.1	21.1
71	36.0	28.5	42.7

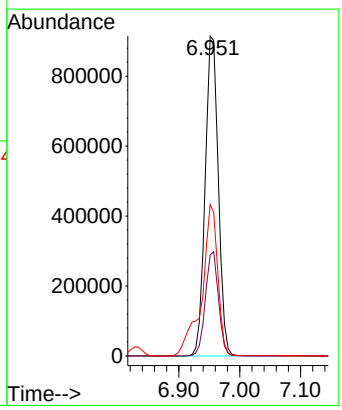


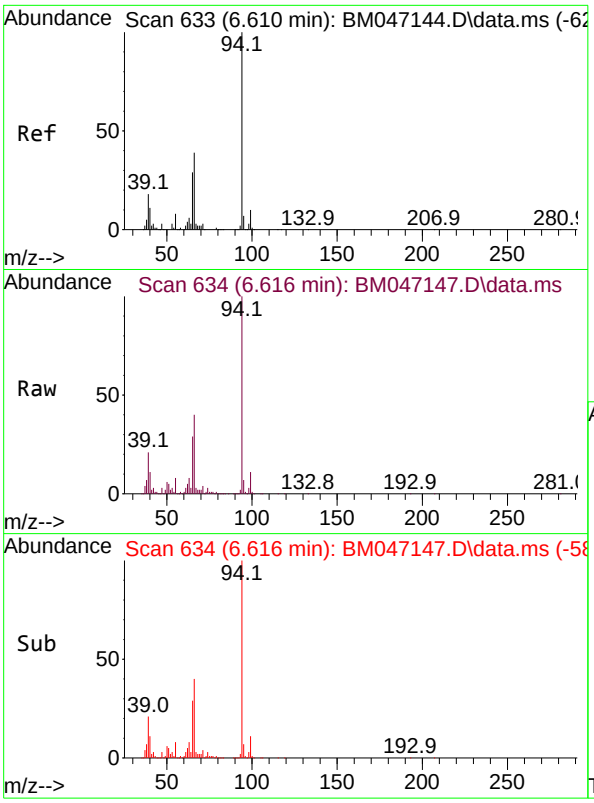


#8
2-Chlorophenol
Concen: 73.876 ng
RT: 6.951 min Scan# 691
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:128 Resp: 1372864

Ion	Ratio	Lower	Upper
128	100		
130	31.6	12.1	52.1
64	47.3	26.6	66.6



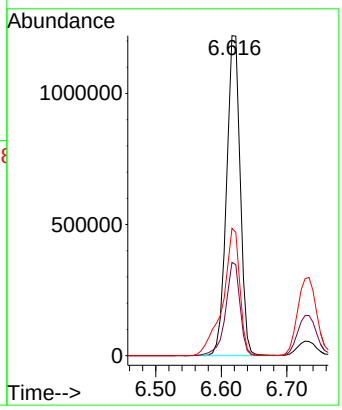


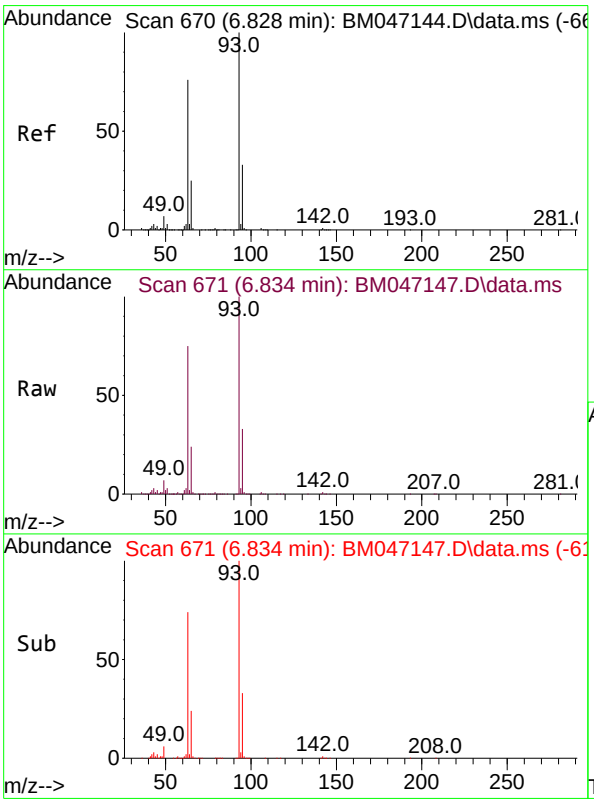
#10
Phenol
Concen: 75.529 ng
RT: 6.616 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 94 Resp: 1769382

Ion	Ratio	Lower	Upper
94	100		
65	29.1	9.0	49.0
66	39.8	18.9	58.9

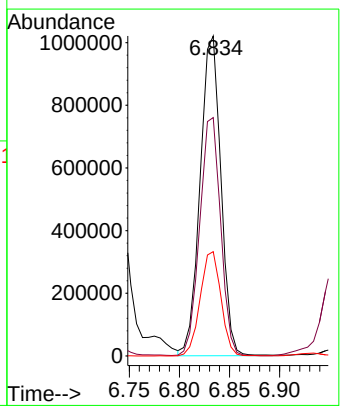


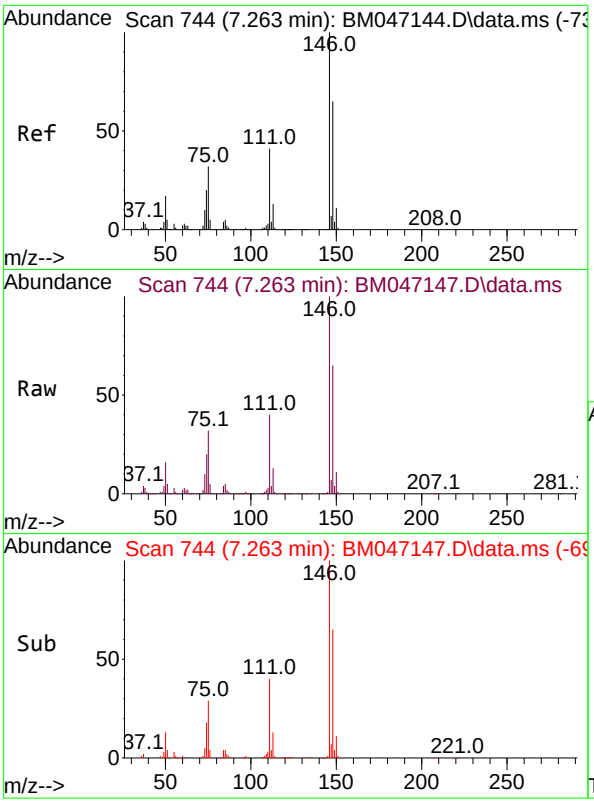


#11
bis(2-Chloroethyl)ether
Concen: 73.503 ng
RT: 6.834 min Scan# 671
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion: 93 Resp: 1474612

Ion	Ratio	Lower	Upper
93	100		
63	74.5	55.8	95.8
95	32.6	12.7	52.7



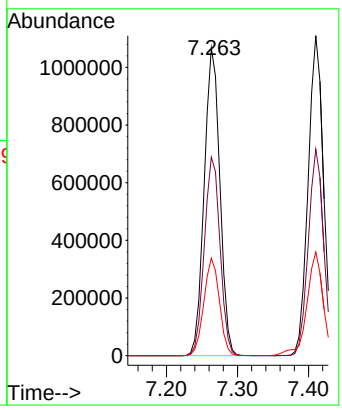


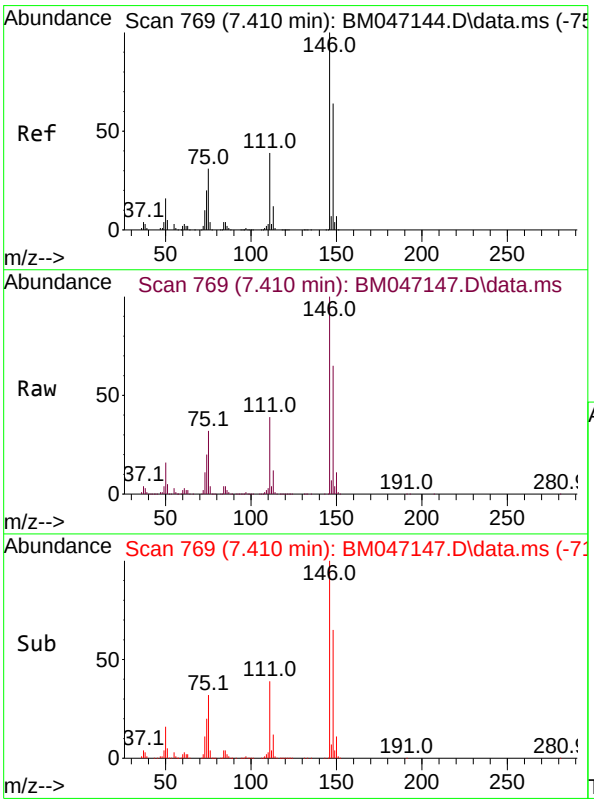
#12
1,3-Dichlorobenzene
Concen: 74.424 ng
RT: 7.263 min Scan# 74
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1643503

Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.3	78.5
75	31.7	25.8	38.6

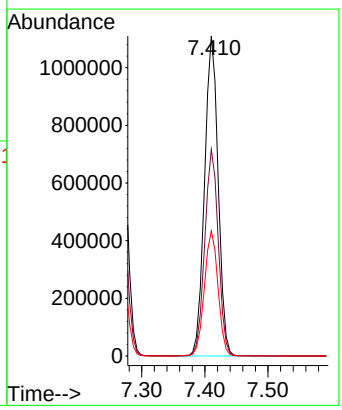


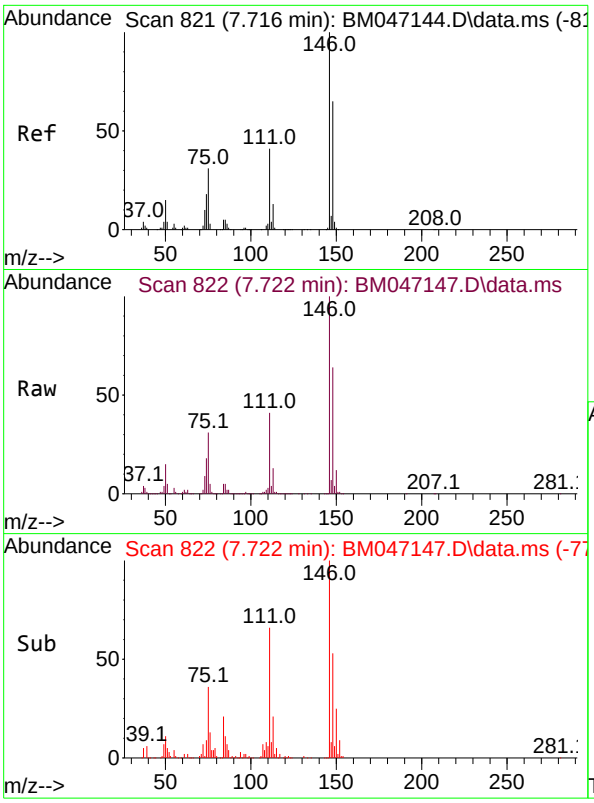


#13
1,4-Dichlorobenzene
Concen: 74.089 ng
RT: 7.410 min Scan# 769
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:146 Resp: 1656531

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.4	77.2
111	39.1	31.5	47.3



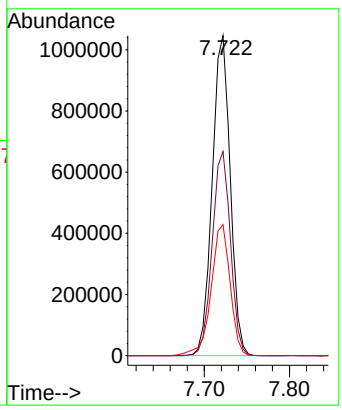


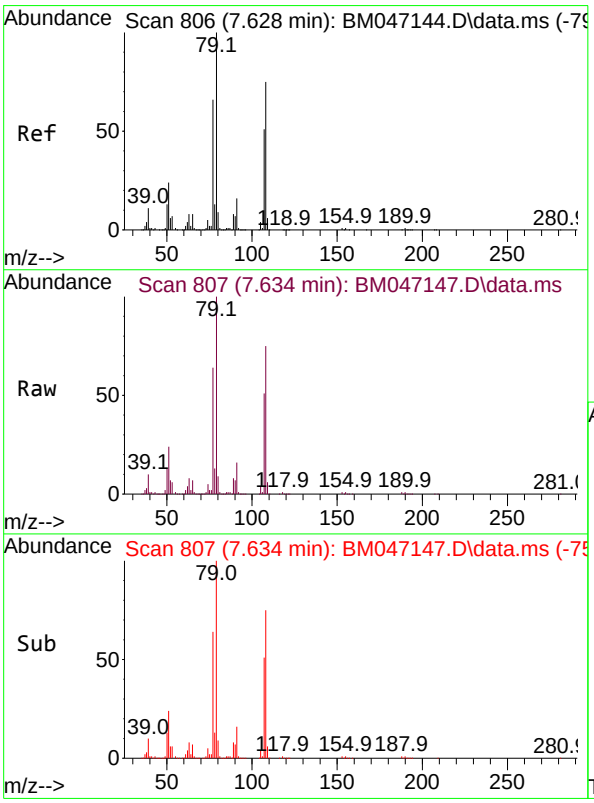
#14
1,2-Dichlorobenzene
Concen: 72.806 ng
RT: 7.722 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1535913

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.8	77.8
111	41.0	33.3	49.9

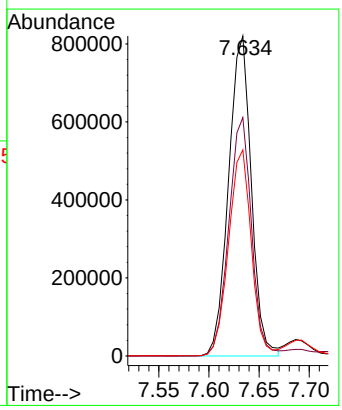


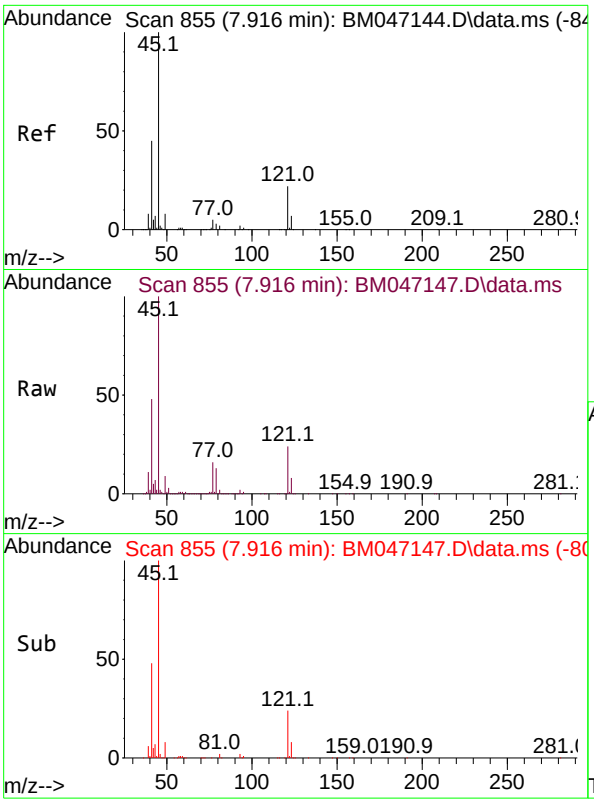


#15
Benzyl Alcohol
Concen: 77.443 ng
RT: 7.634 min Scan# 807
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion: 79 Resp: 1293991

Ion	Ratio	Lower	Upper
79	100		
108	74.5	59.7	89.5
77	64.4	52.9	79.3



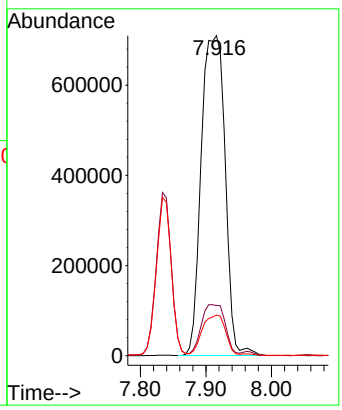


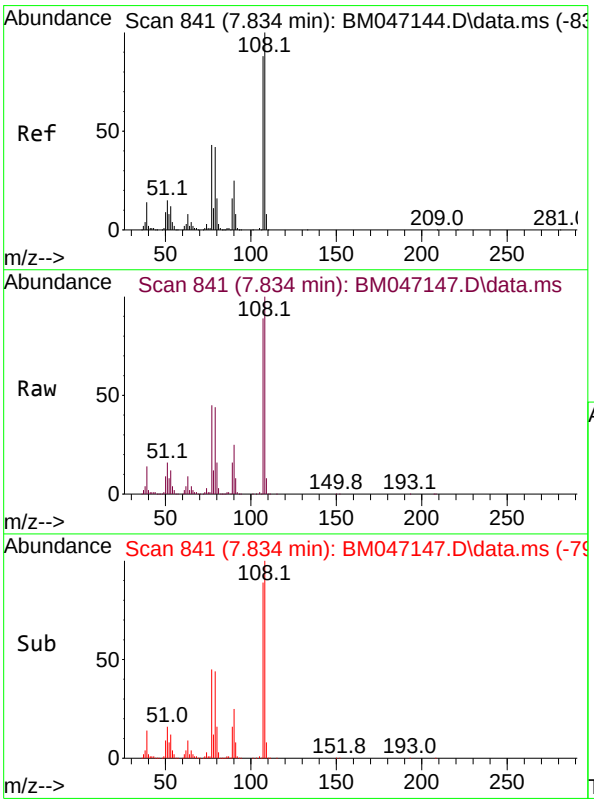
#16
2,2'-oxybis(1-Chloropropane)
Concen: 69.769 ng
RT: 7.916 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 45 Resp: 1798177

Ion	Ratio	Lower	Upper
45	100		
77	15.7	0.0	35.6
79	12.7	0.0	32.4

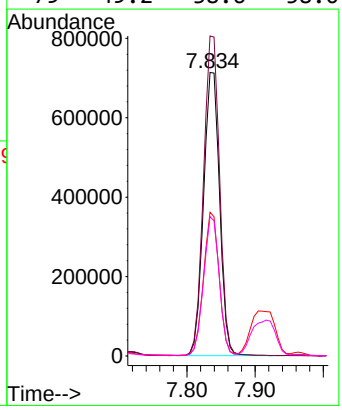


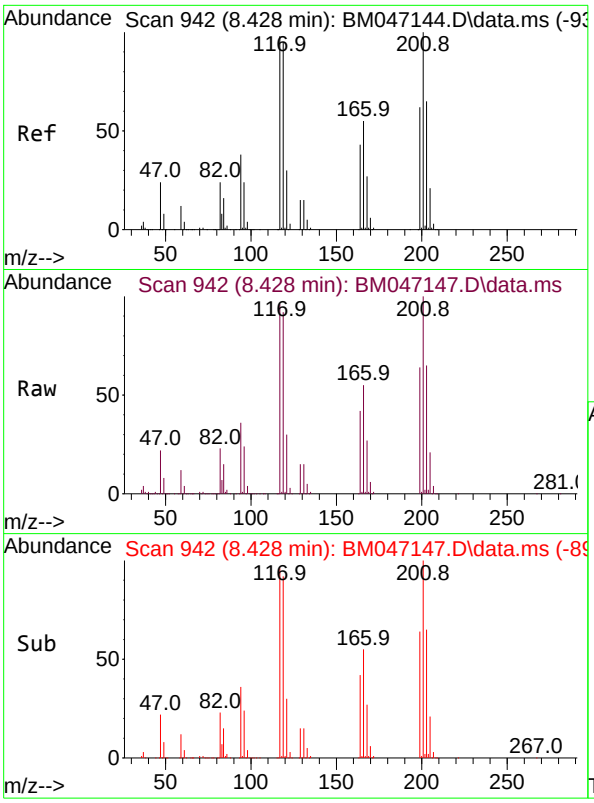


#17
2-Methylphenol
Concen: 74.722 ng
RT: 7.834 min Scan# 841
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:107 Resp: 1167820

Ion	Ratio	Lower	Upper
107	100		
108	112.9	90.6	135.8
77	50.7	39.3	58.9
79	49.2	38.6	58.0



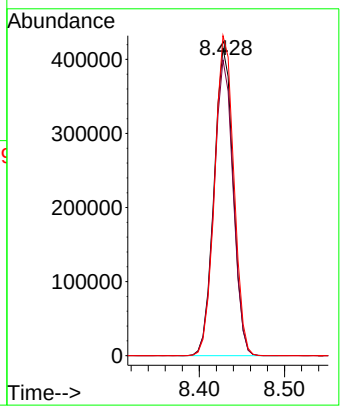


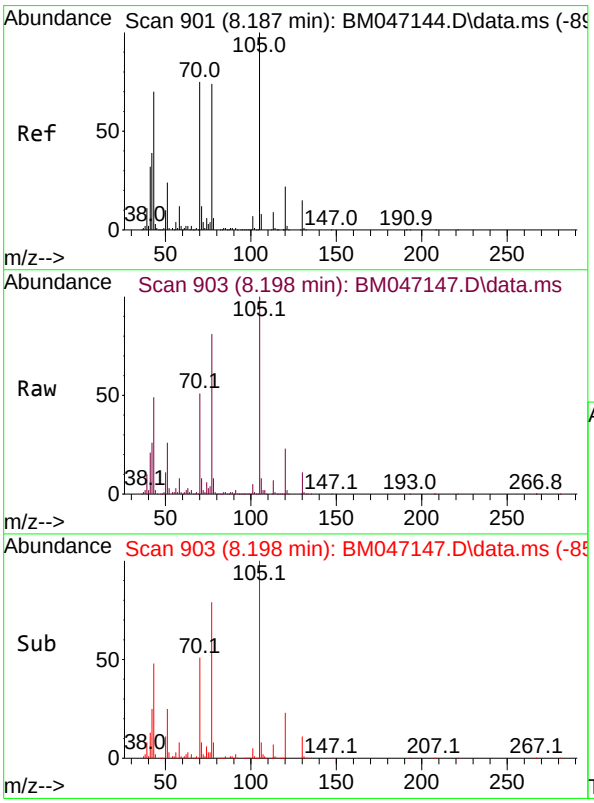
#18
Hexachloroethane
Concen: 75.015 ng
RT: 8.428 min Scan# 94
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:117 Resp: 649682

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.4
201	104.1	81.3	121.9

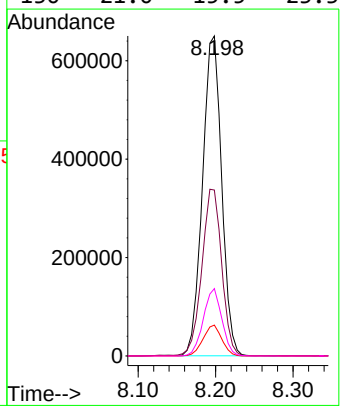


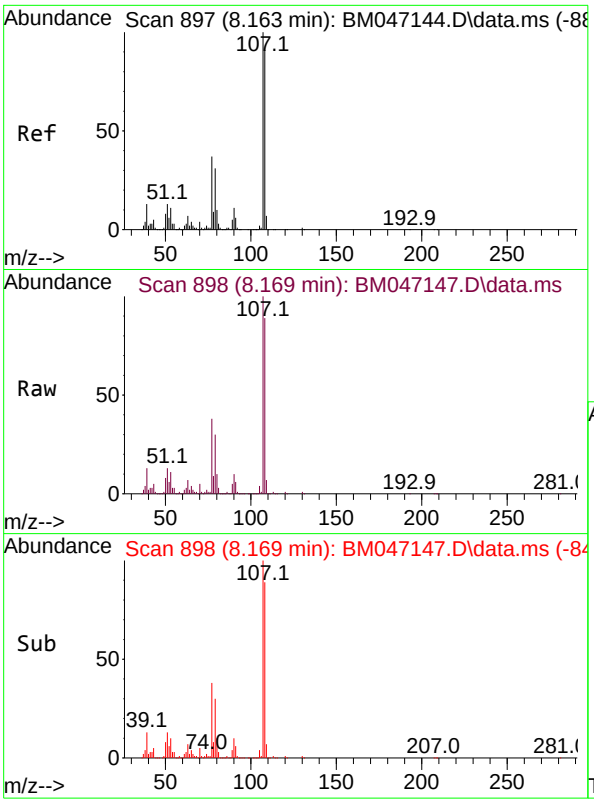


#19
n-Nitroso-di-n-propylamine
Concen: 70.505 ng
RT: 8.198 min Scan# 903
Delta R.T. 0.012 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion: 70 Resp: 1114969

Ion	Ratio	Lower	Upper
70	100		
42	51.9	42.0	63.0
101	9.6	7.2	10.8
130	21.0	15.5	23.3



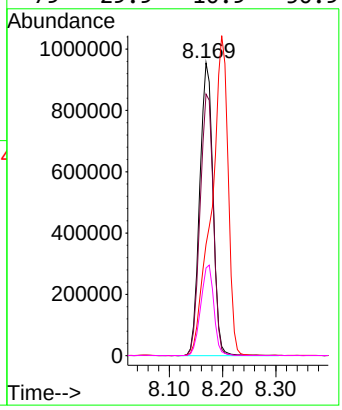


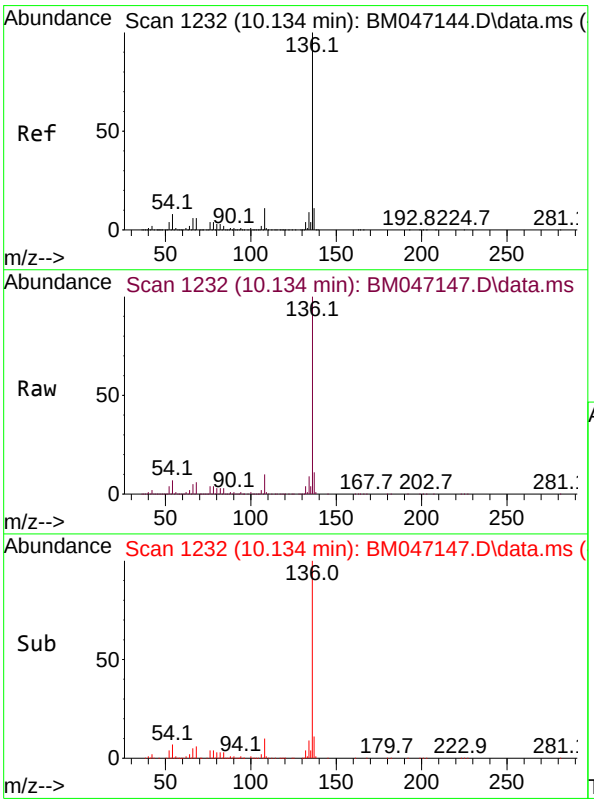
#20
3+4-Methylphenols
Concen: 75.366 ng
RT: 8.169 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 1646698

Ion	Ratio	Lower	Upper
107	100		
108	89.3	70.7	110.7
77	38.0	17.4	57.4
79	29.9	10.9	50.9

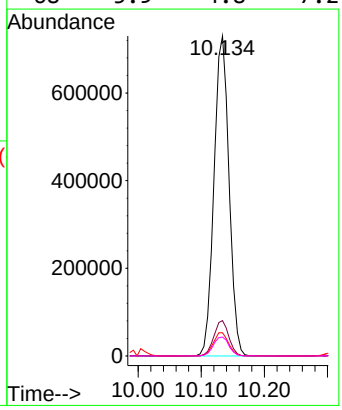


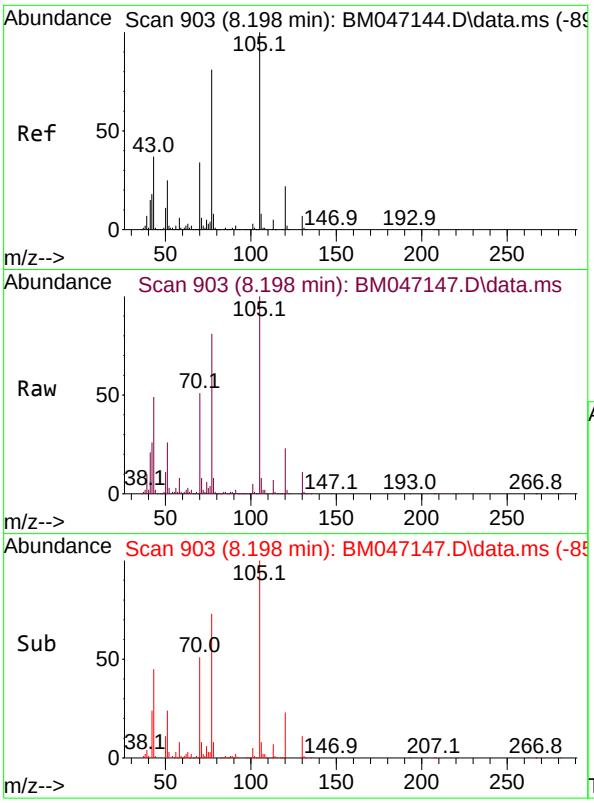


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.134 min Scan# 1232
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:136 Resp: 1204959

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.2	6.0	9.0
68	5.9	4.8	7.2



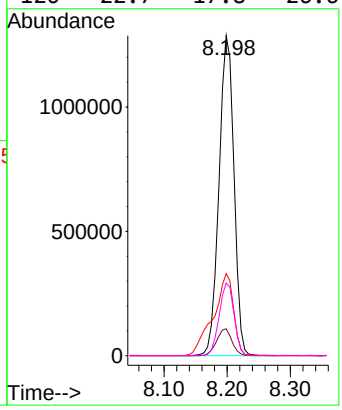


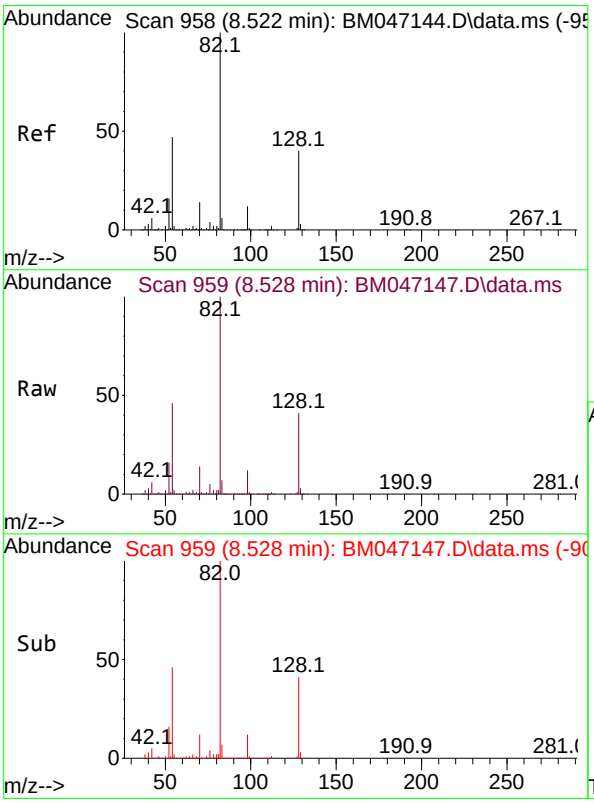
#22
Acetophenone
Concen: 73.033 ng
RT: 8.198 min Scan# 90
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:105 Resp: 2124216

Ion	Ratio	Lower	Upper
105	100		
71	8.4	4.5	6.7#
51	25.6	20.1	30.1
120	22.7	17.8	26.6

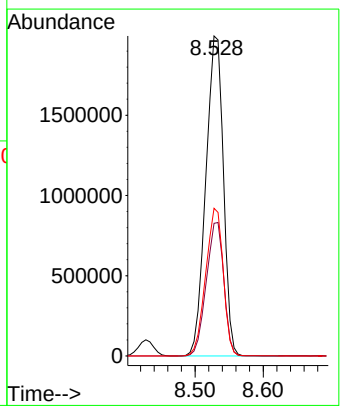


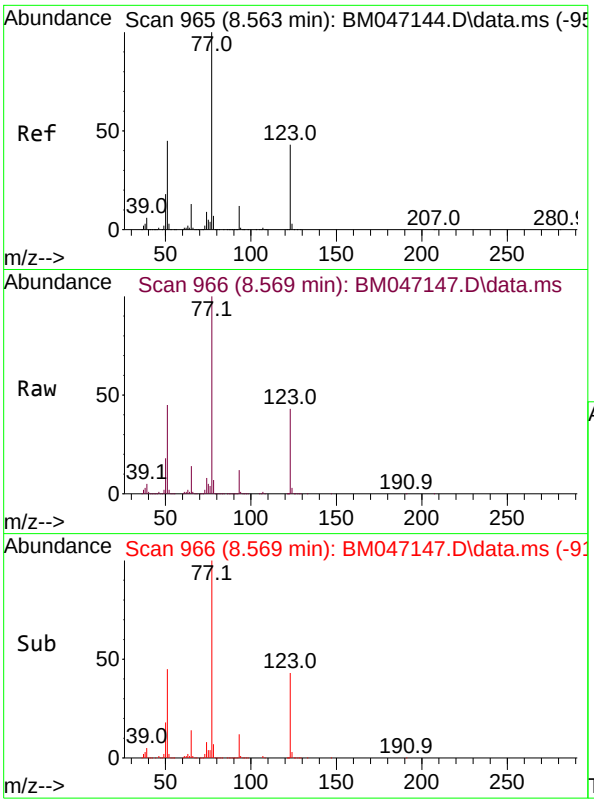


#23
Nitrobenzene-d5
Concen: 149.714 ng
RT: 8.528 min Scan# 959
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion: 82 Resp: 3582678

Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.3	48.5
54	46.1	37.4	56.2



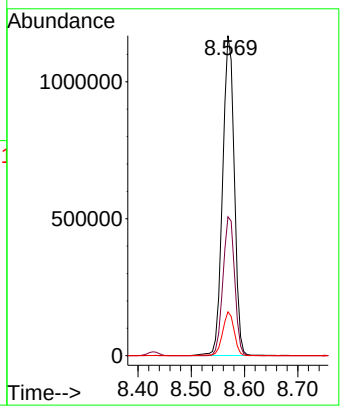


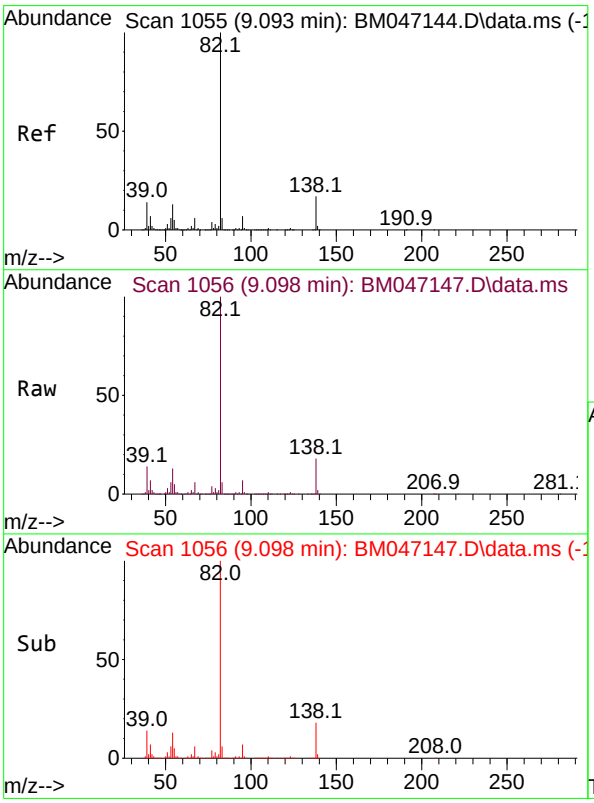
#24
Nitrobenzene
Concen: 73.781 ng
RT: 8.569 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 1777843

Ion	Ratio	Lower	Upper
77	100		
123	43.4	34.0	51.0
65	13.7	10.5	15.7

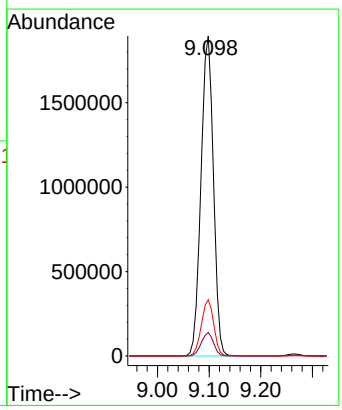


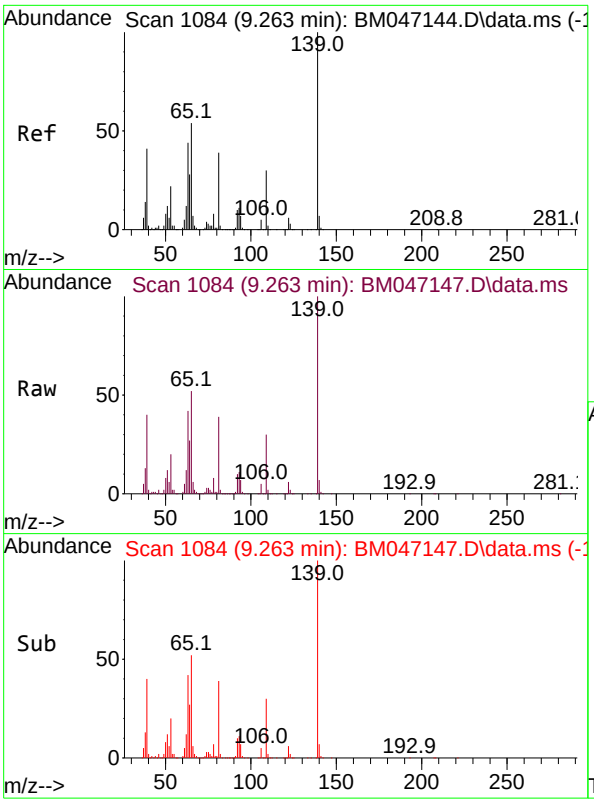


#25
Isophorone
Concen: 75.927 ng
RT: 9.098 min Scan# 1056
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion: 82 Resp: 3163607

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.5	8.3
138	17.5	13.5	20.3



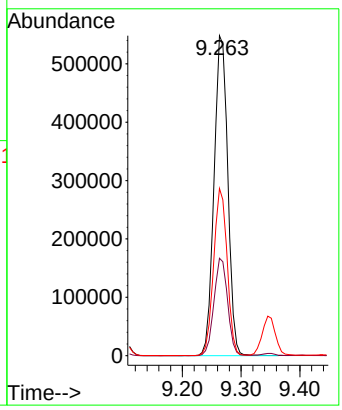


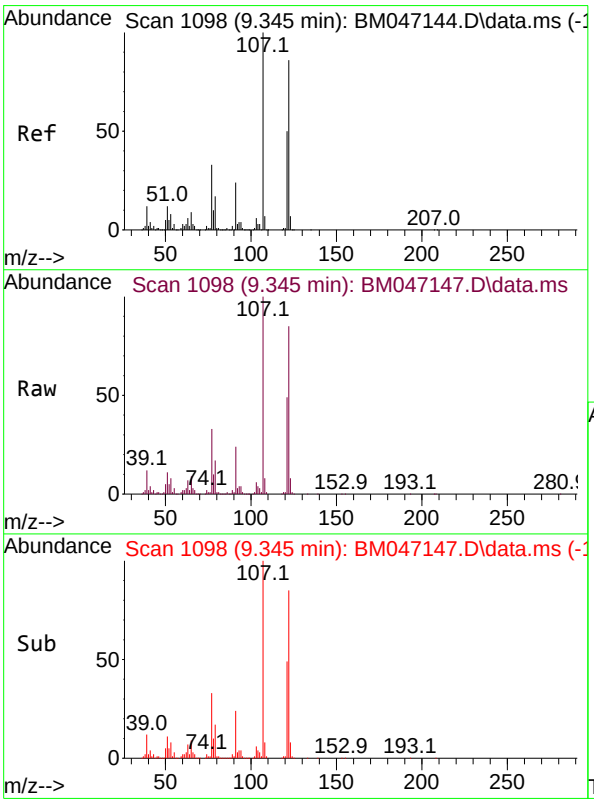
#26
2-Nitrophenol
Concen: 83.514 ng
RT: 9.263 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 891212

Ion	Ratio	Lower	Upper
139	100		
109	30.5	24.4	36.6
65	52.3	43.0	64.6

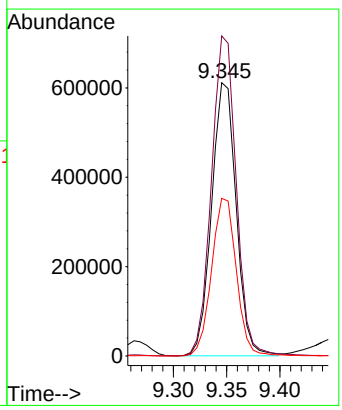


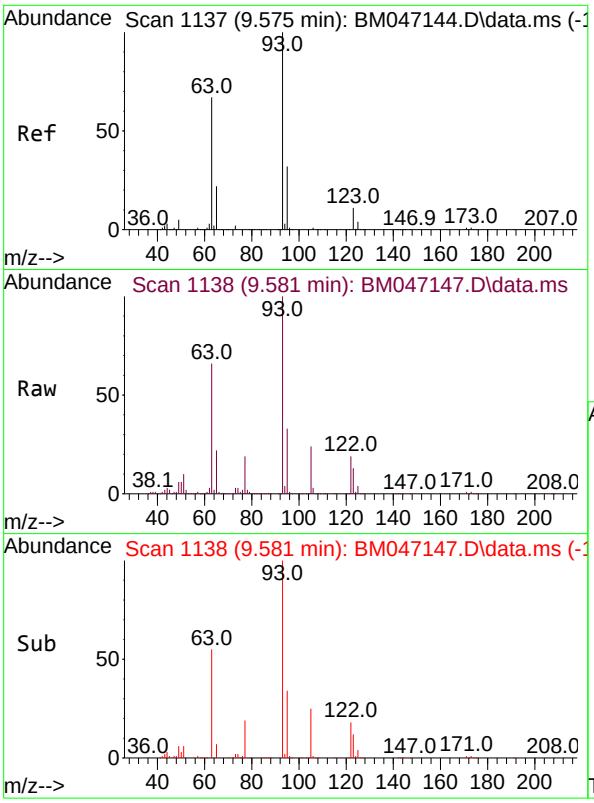


#27
2,4-Dimethylphenol
Concen: 78.514 ng
RT: 9.345 min Scan# 1098
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:122 Resp: 981455

Ion	Ratio	Lower	Upper
122	100		
107	117.1	92.8	139.2
121	57.7	46.1	69.1



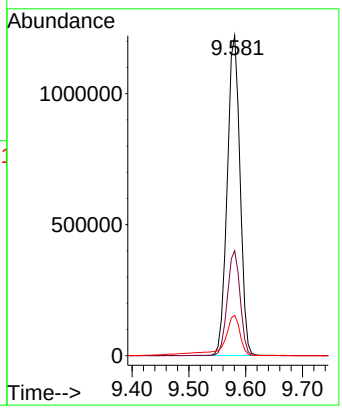


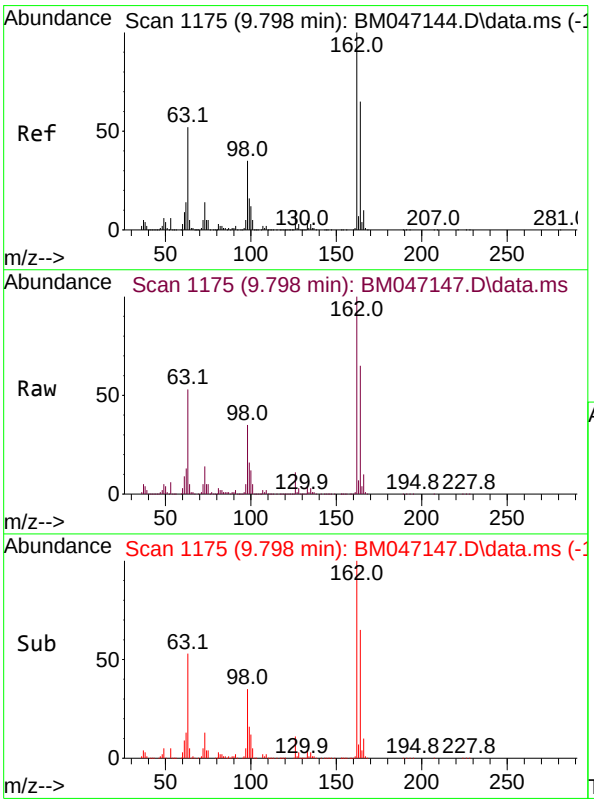
#28
bis(2-Chloroethoxy)methane
Concen: 72.808 ng
RT: 9.581 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 1908847

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.8	38.8
123	12.6	9.0	13.4

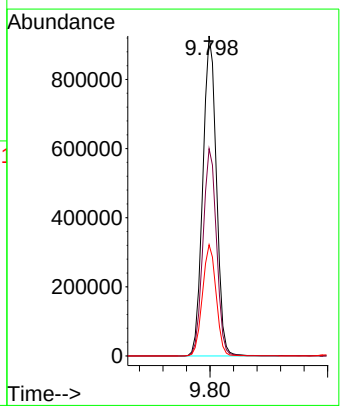


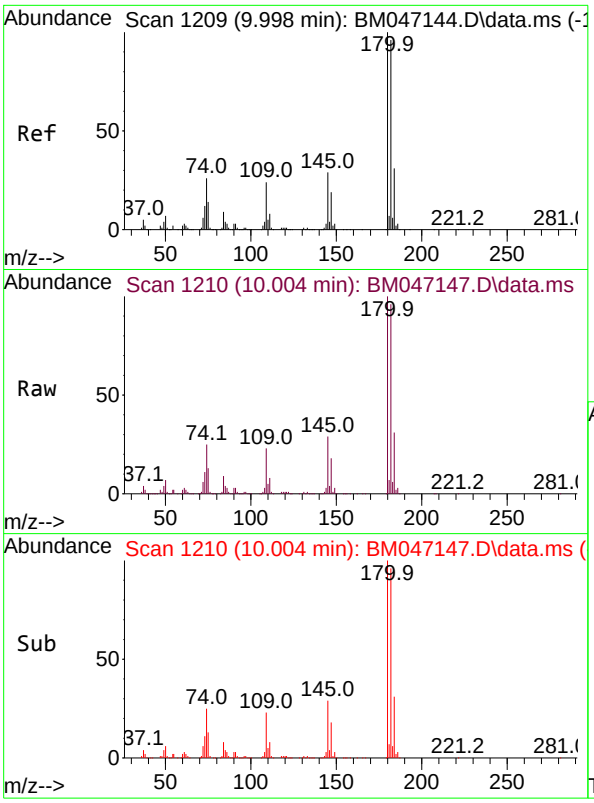


#29
2,4-Dichlorophenol
Concen: 80.115 ng
RT: 9.798 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:162 Resp: 1485940

Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.7	84.7
98	34.7	14.9	54.9



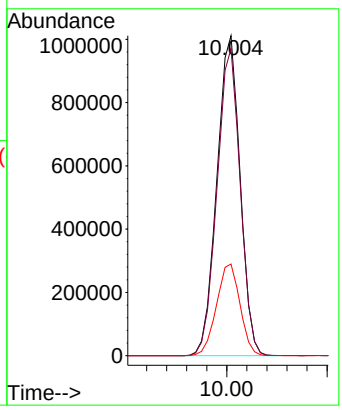


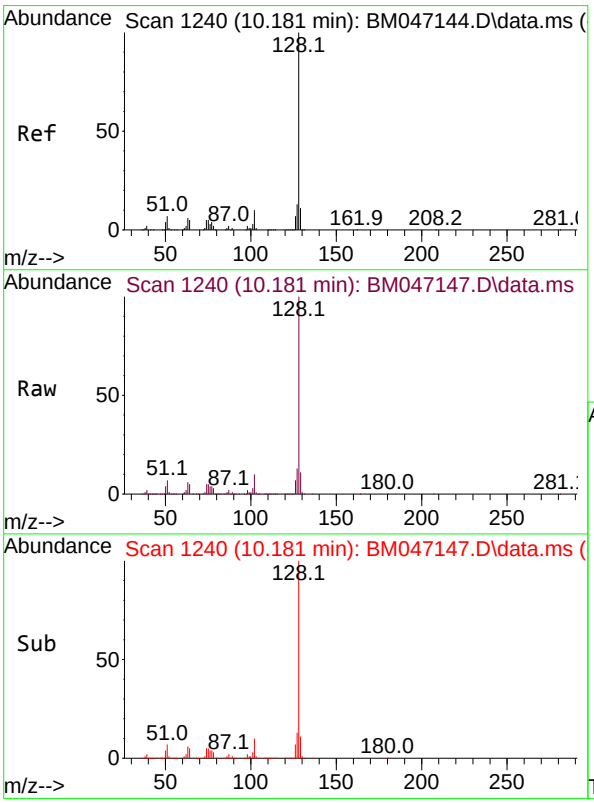
#30
1,2,4-Trichlorobenzene
Concen: 77.458 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:180 Resp: 1625842

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.6	115.0
145	28.7	23.4	35.2

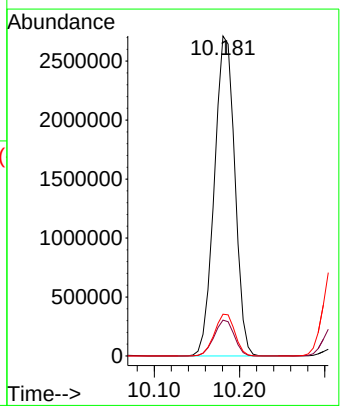


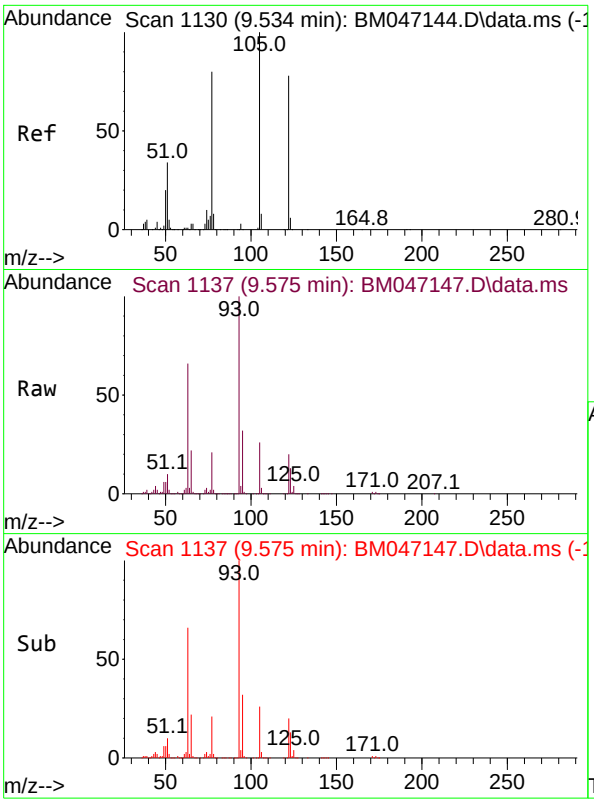


#31
Naphthalene
Concen: 75.304 ng
RT: 10.181 min Scan# 1240
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:128 Resp: 4520274

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	13.0
127	13.0	10.2	15.4



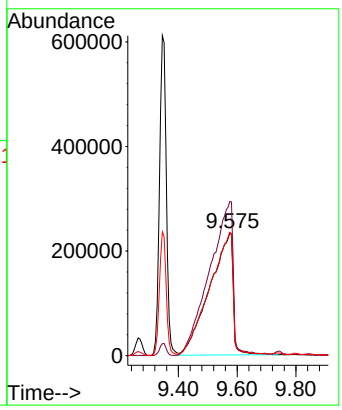


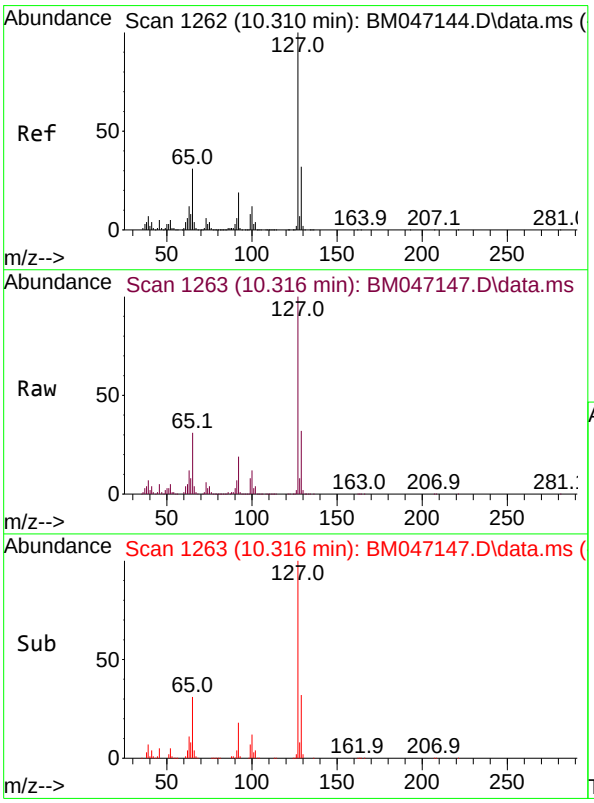
#32
Benzoic acid
Concen: 88.571 ng
RT: 9.575 min Scan# 11
Delta R.T. 0.041 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 1293498

Ion	Ratio	Lower	Upper
122	100		
105	126.0	107.1	147.1
77	100.9	82.1	122.1

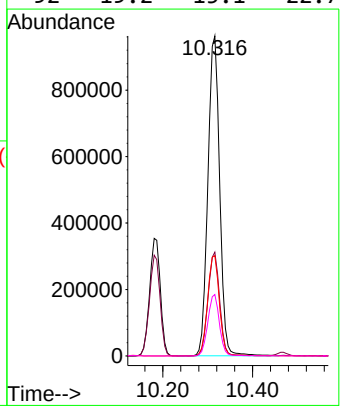


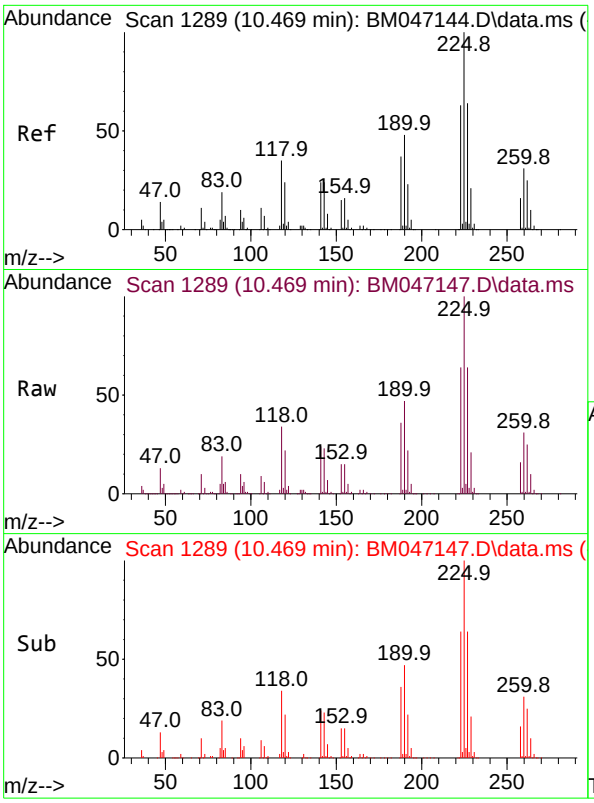


#33
4-Chloroaniline
Concen: 75.970 ng
RT: 10.316 min Scan# 1263
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:127 Resp: 1753660

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.8	38.8
65	31.4	24.9	37.3
92	19.2	15.1	22.7



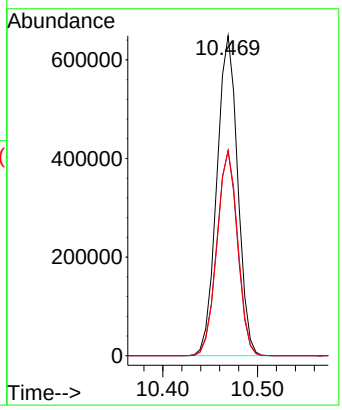


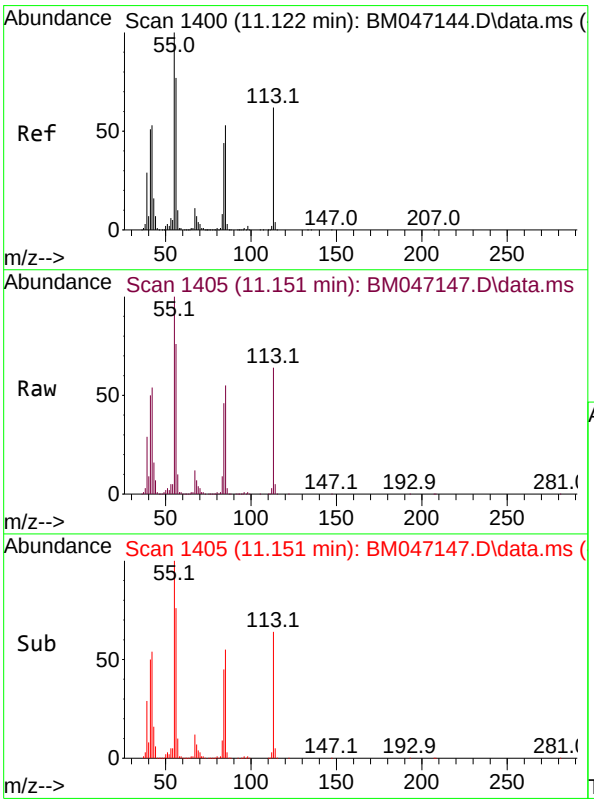
#34
Hexachlorobutadiene
Concen: 80.736 ng
RT: 10.469 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:225 Resp: 991890

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.2	75.2
227	64.1	51.4	77.0

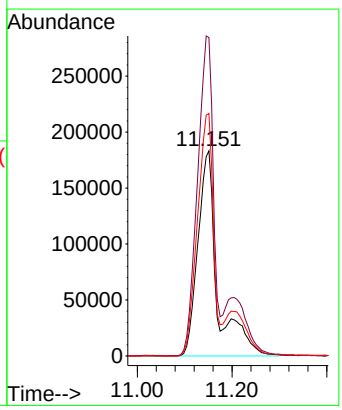


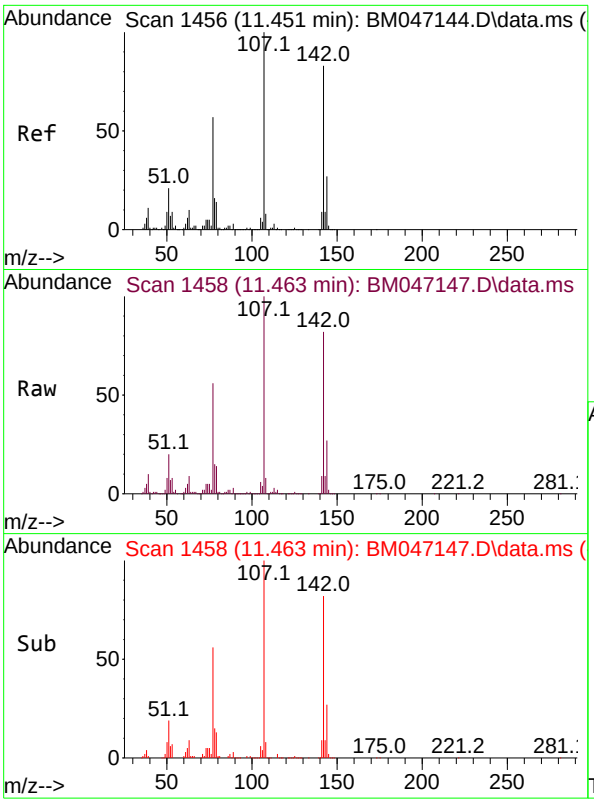


#35
Caprolactam
Concen: 81.288 ng m
RT: 11.151 min Scan# 1405
Delta R.T. 0.029 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:113 Resp: 523592

Ion	Ratio	Lower	Upper
113	100		
55	155.2	140.5	180.5
56	118.1	103.6	143.6



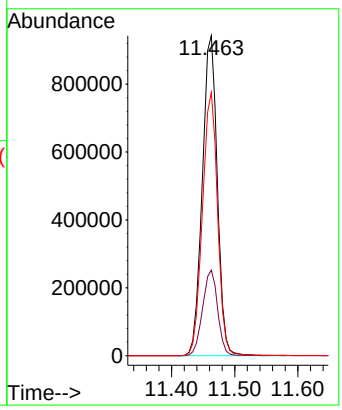


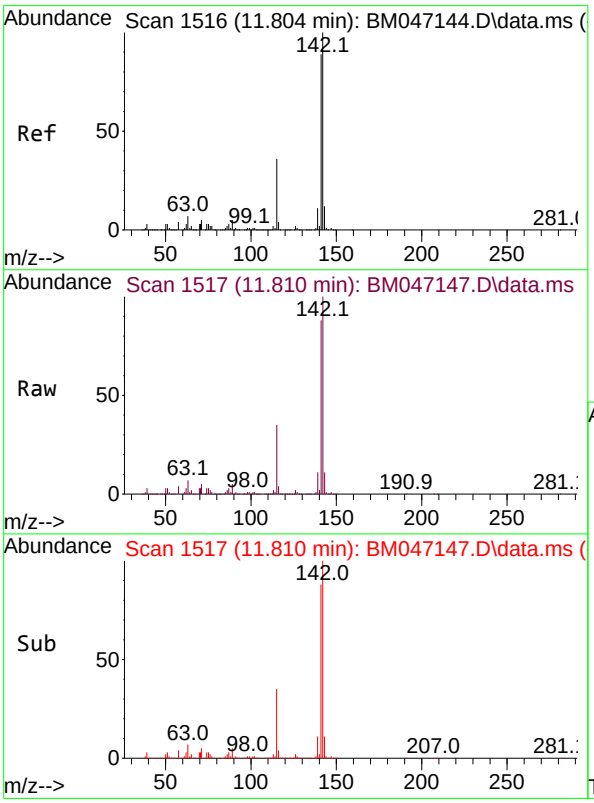
#36
4-Chloro-3-methylphenol
Concen: 78.951 ng
RT: 11.463 min Scan# 14
Delta R.T. 0.012 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 1559534

Ion	Ratio	Lower	Upper
107	100		
144	26.7	21.8	32.6
142	82.3	66.8	100.2

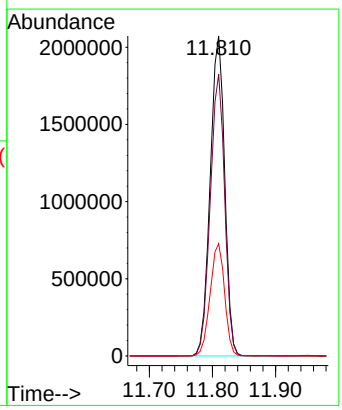


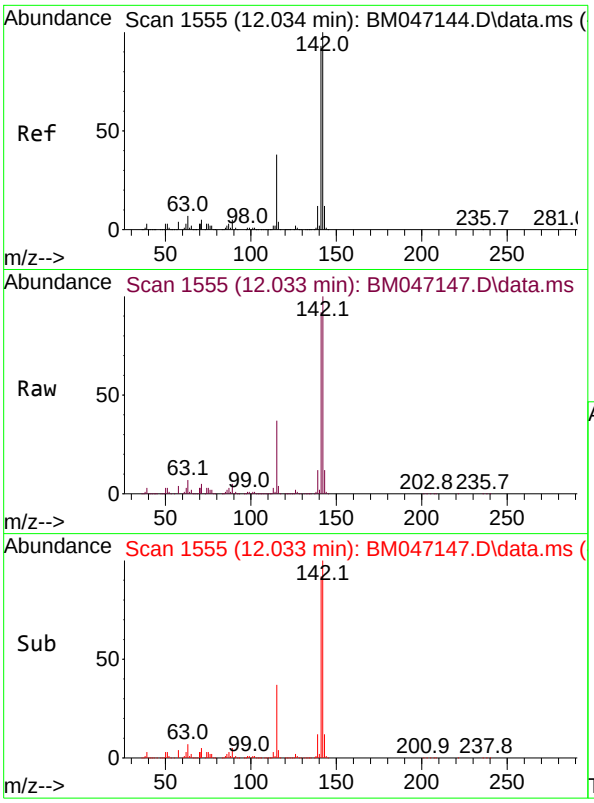


#37
2-Methylnaphthalene
Concen: 77.236 ng
RT: 11.810 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:142 Resp: 3301008

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.9	106.3
115	35.1	28.7	43.1



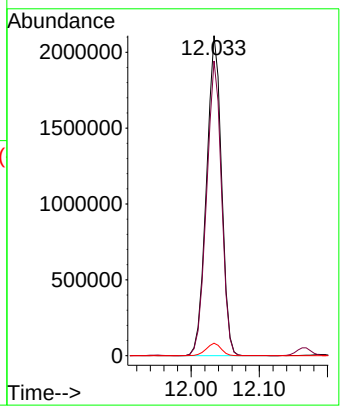


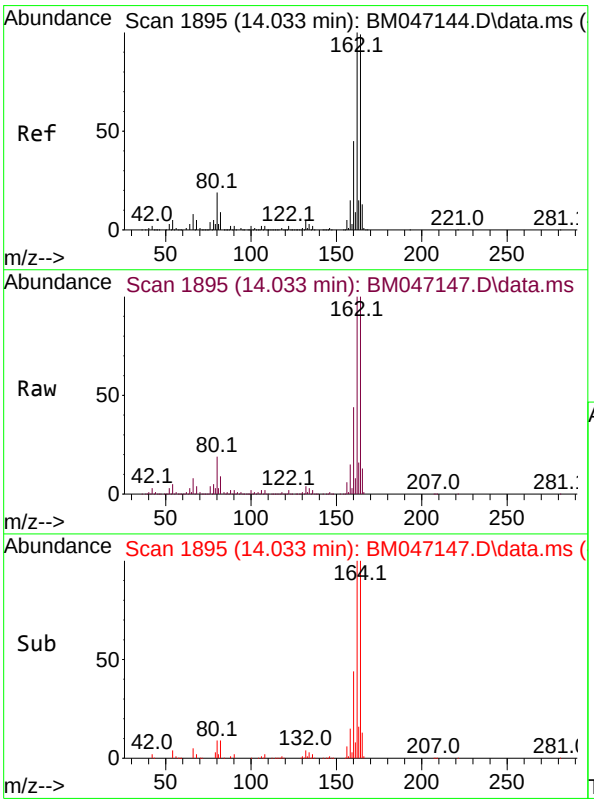
#38
1-Methylnaphthalene
Concen: 76.532 ng
RT: 12.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 3232647

Ion	Ratio	Lower	Upper
142	100		
141	92.1	74.6	111.8
116	3.9	3.1	4.7

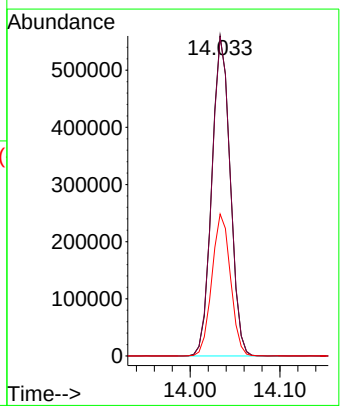


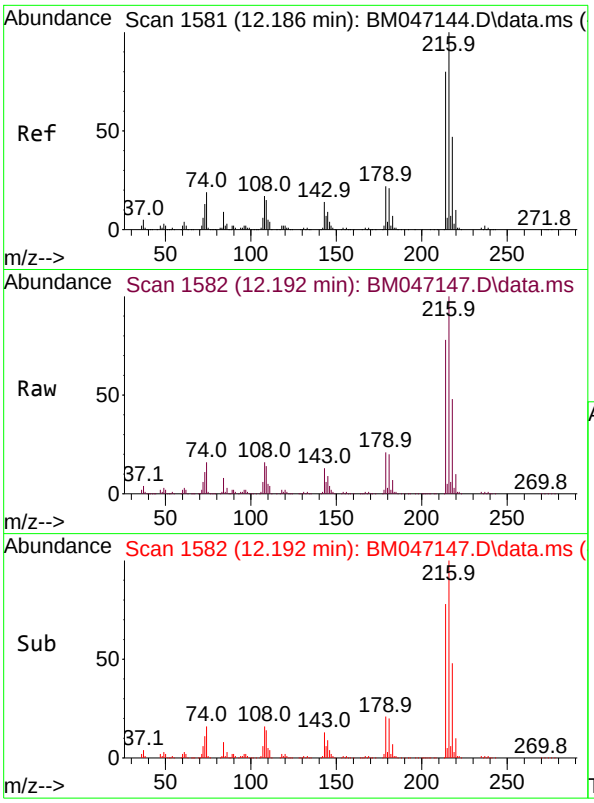


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.033 min Scan# 1895
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:164 Resp: 795761

Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.7	121.1
160	44.4	36.0	54.0



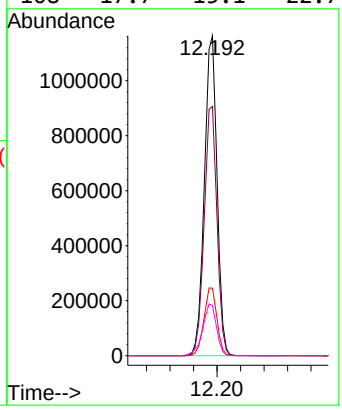


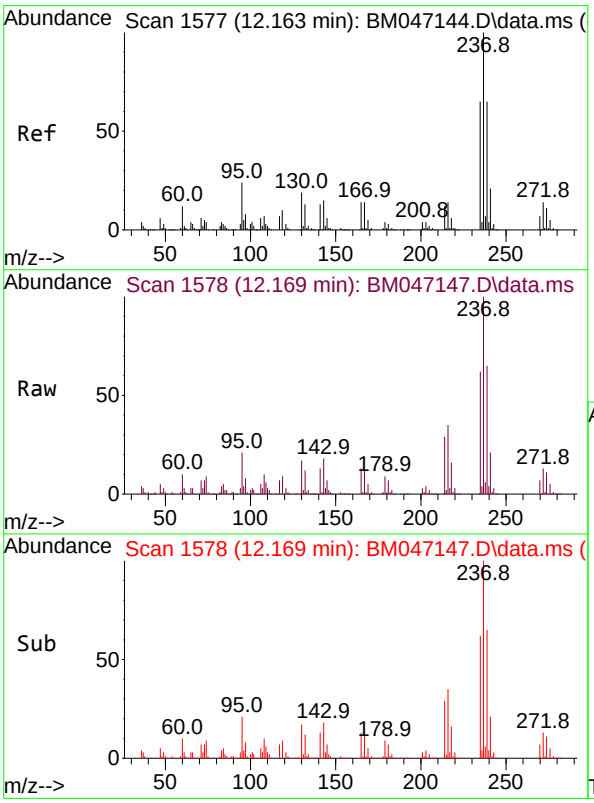
#40
1,2,4,5-Tetrachlorobenzene
Concen: 80.017 ng
RT: 12.192 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:216 Resp: 1736758

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.4	95.2
179	21.7	17.6	26.4
108	17.7	15.1	22.7

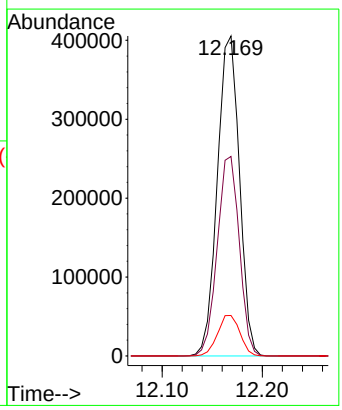


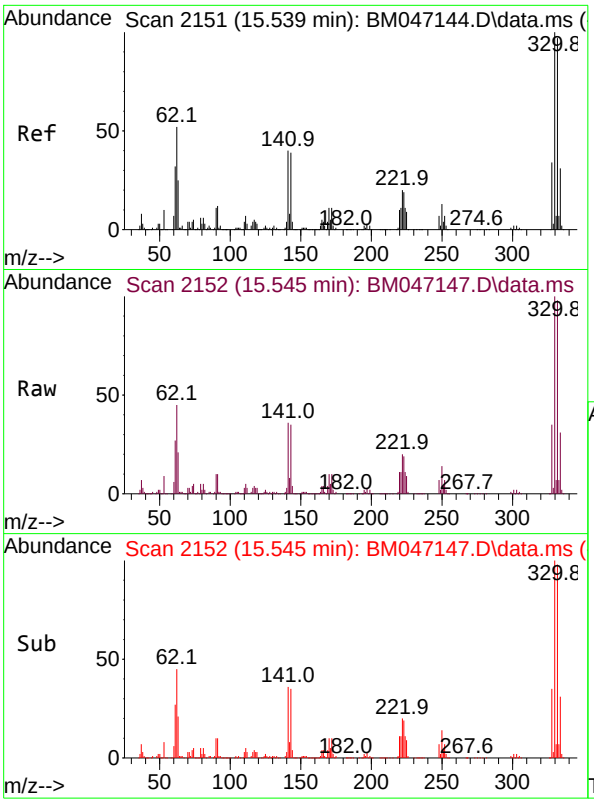


#41
Hexachlorocyclopentadiene
Concen: 81.830 ng
RT: 12.169 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:237 Resp: 620195

Ion	Ratio	Lower	Upper
237	100		
235	62.3	44.8	84.8
272	12.6	0.0	33.5



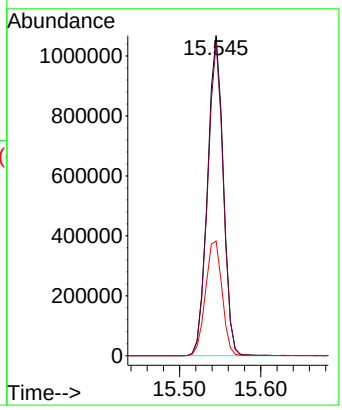


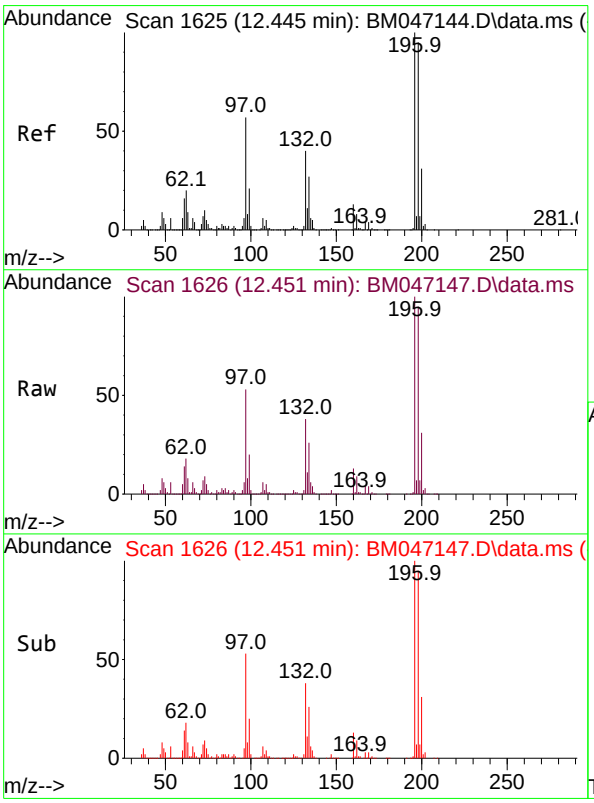
#42
2,4,6-Tribromophenol
Concen: 155.767 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:330 Resp: 1437262

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.2
141	37.8	31.6	47.4

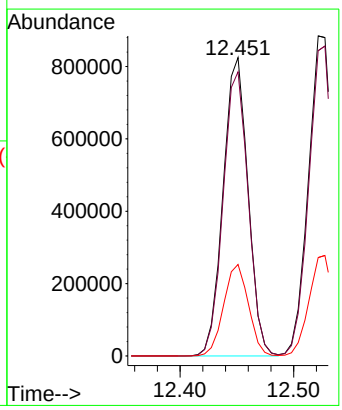


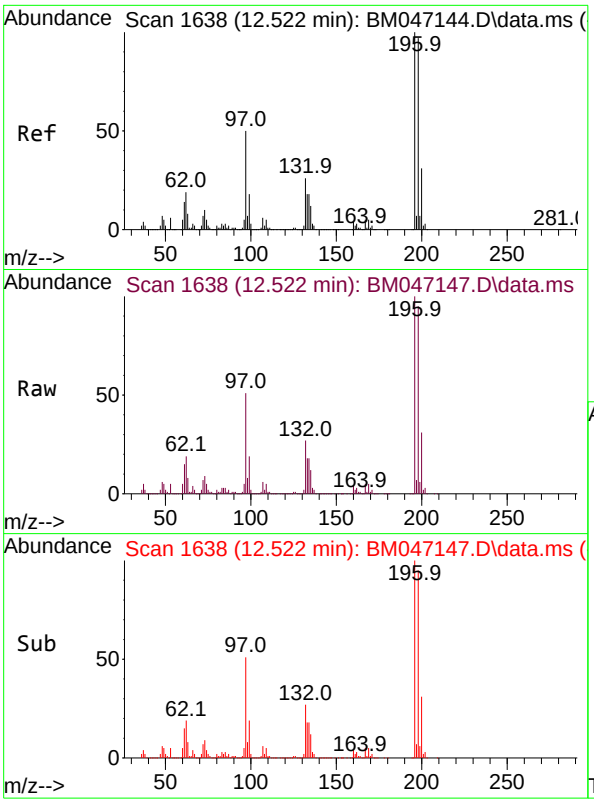


#43
2,4,6-Trichlorophenol
Concen: 81.622 ng
RT: 12.451 min Scan# 1626
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:196 Resp: 1259185

Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.6	113.4
200	30.7	24.6	37.0



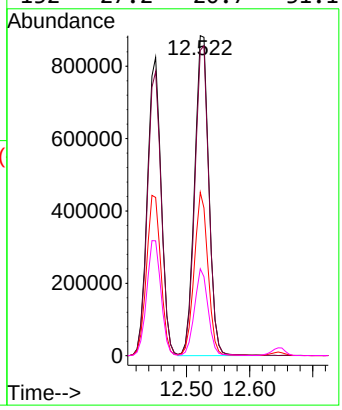


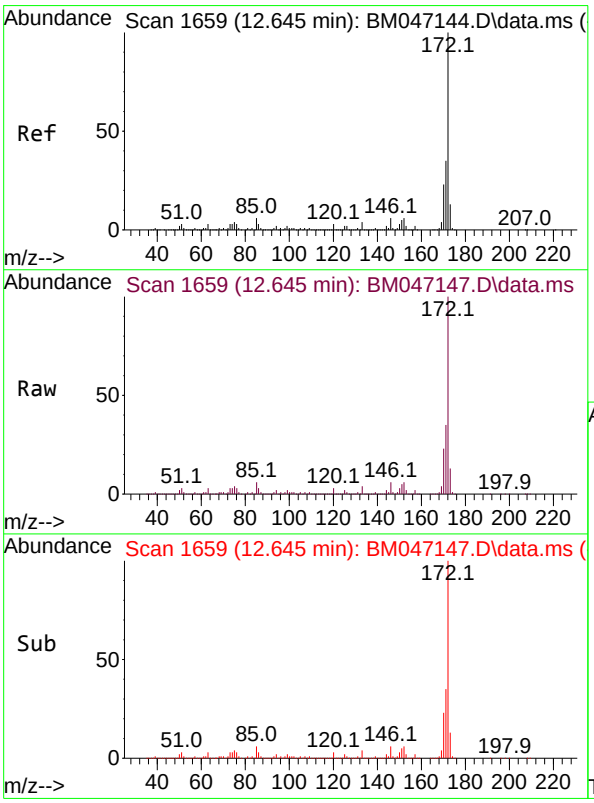
#44
2,4,5-Trichlorophenol
Concen: 80.776 ng
RT: 12.522 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 1383585

Ion	Ratio	Lower	Upper
196	100		
198	95.4	77.7	116.5
97	51.0	39.8	59.8
132	27.2	20.7	31.1

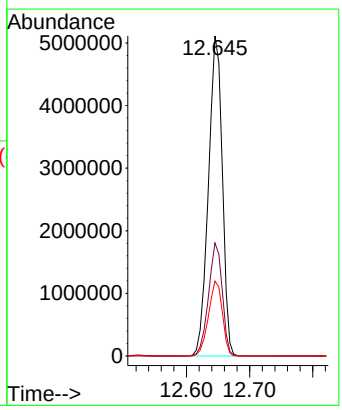


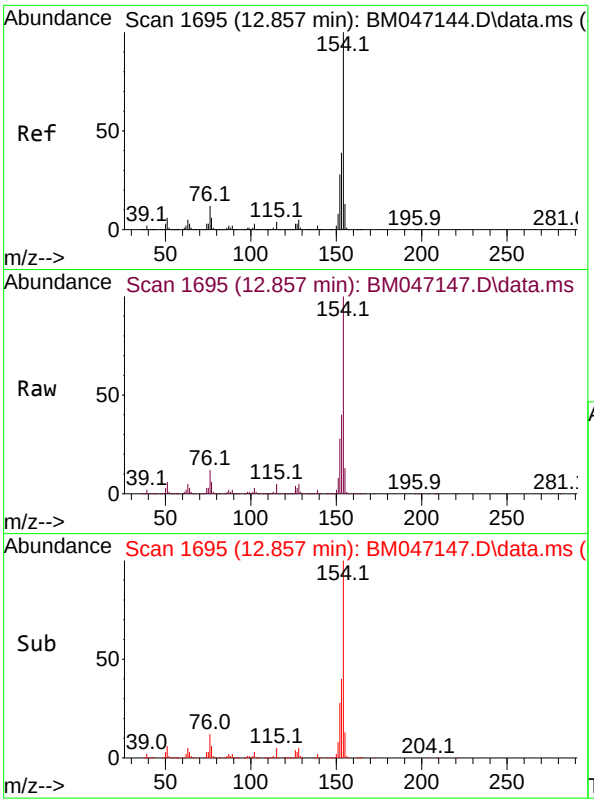


#45
2-Fluorobiphenyl
Concen: 150.612 ng
RT: 12.645 min Scan# 1659
Delta R.T. 0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:172 Resp: 7769782

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.8	41.6
170	23.4	18.7	28.1



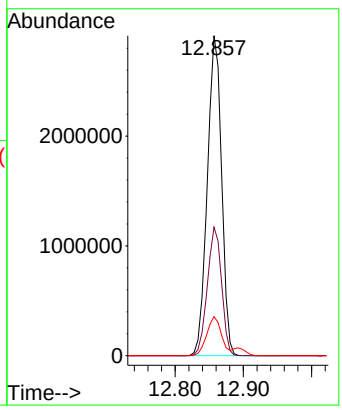


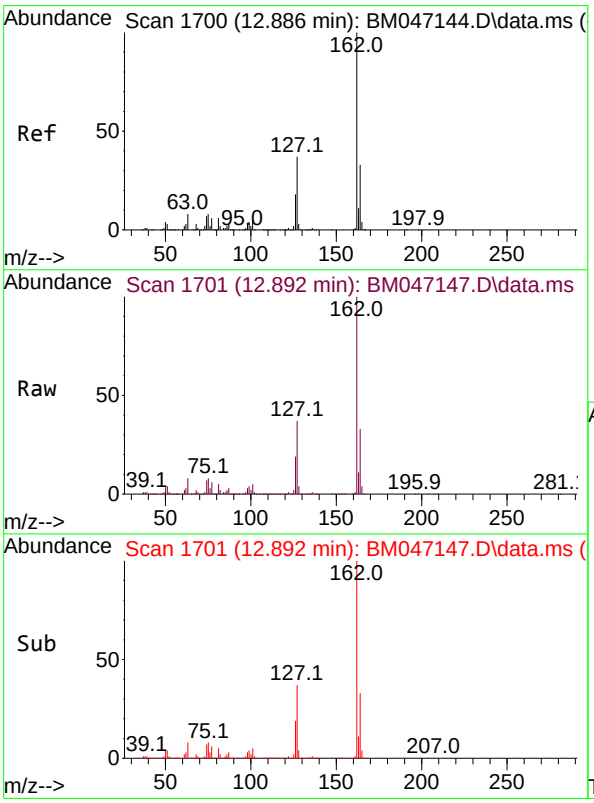
#46
1,1'-Biphenyl
Concen: 74.866 ng
RT: 12.857 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 4241252

Ion	Ratio	Lower	Upper
154	100		
153	40.2	19.0	59.0
76	12.2	0.0	31.9

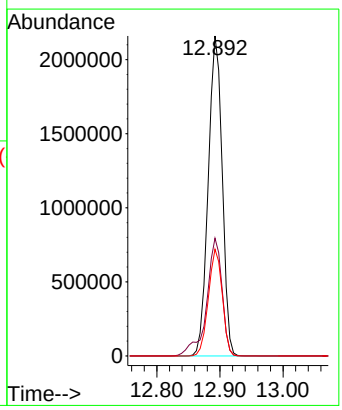


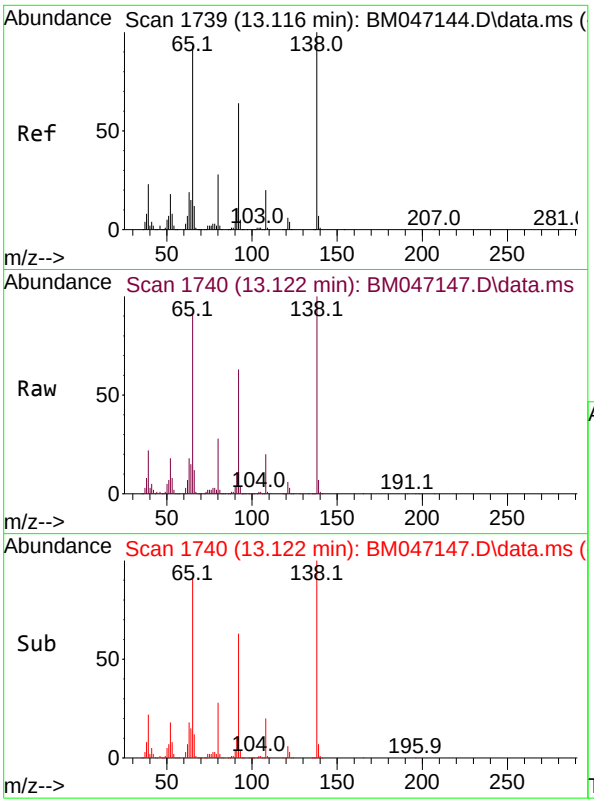


#47
2-Chloronaphthalene
Concen: 74.960 ng
RT: 12.892 min Scan# 1701
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:162 Resp: 3319138

Ion	Ratio	Lower	Upper
162	100		
127	36.8	30.0	45.0
164	33.4	26.3	39.5



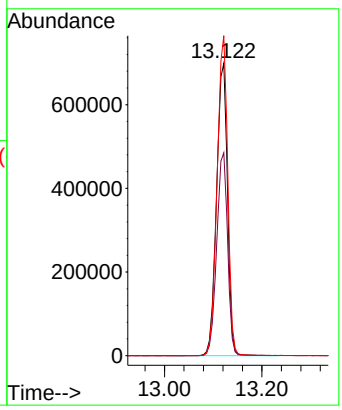


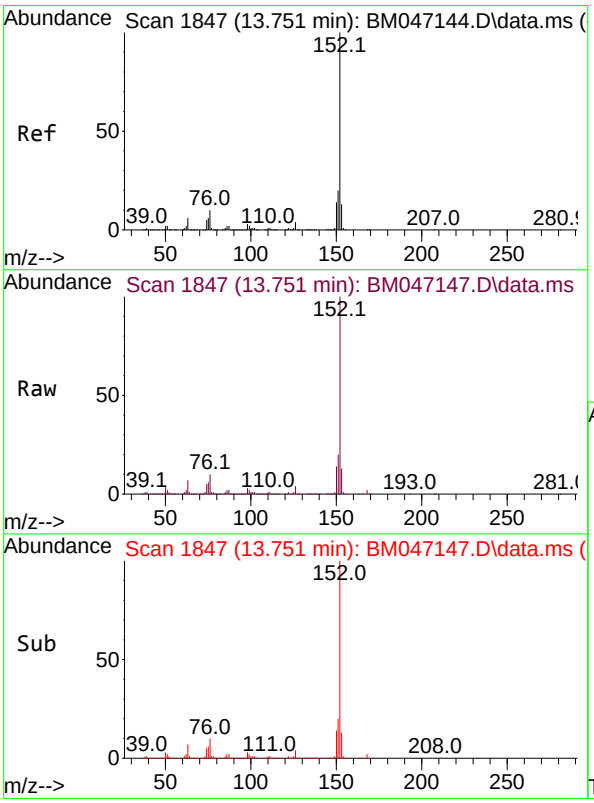
#48
2-Nitroaniline
Concen: 78.614 ng
RT: 13.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 65 Resp: 1090521

Ion	Ratio	Lower	Upper
65	100		
92	69.4	55.1	82.7
138	109.5	85.9	128.9

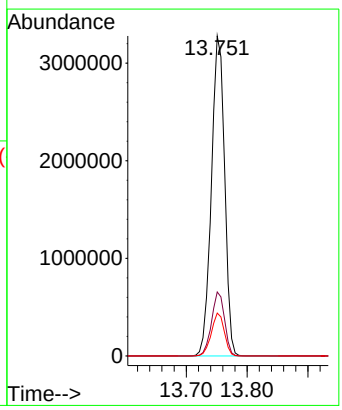


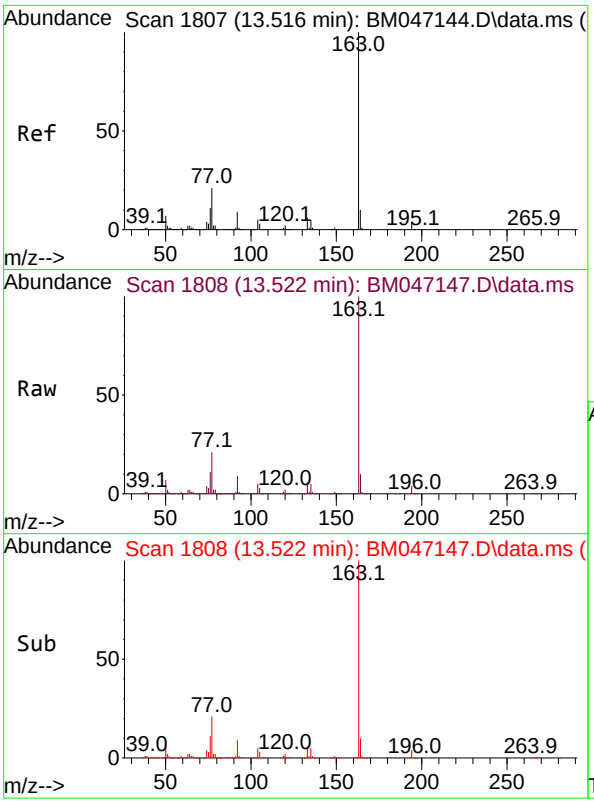


#49
Acenaphthylene
Concen: 75.775 ng
RT: 13.751 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:152 Resp: 4945706

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	13.4	10.4	15.6



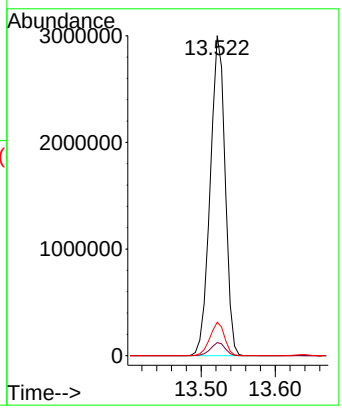


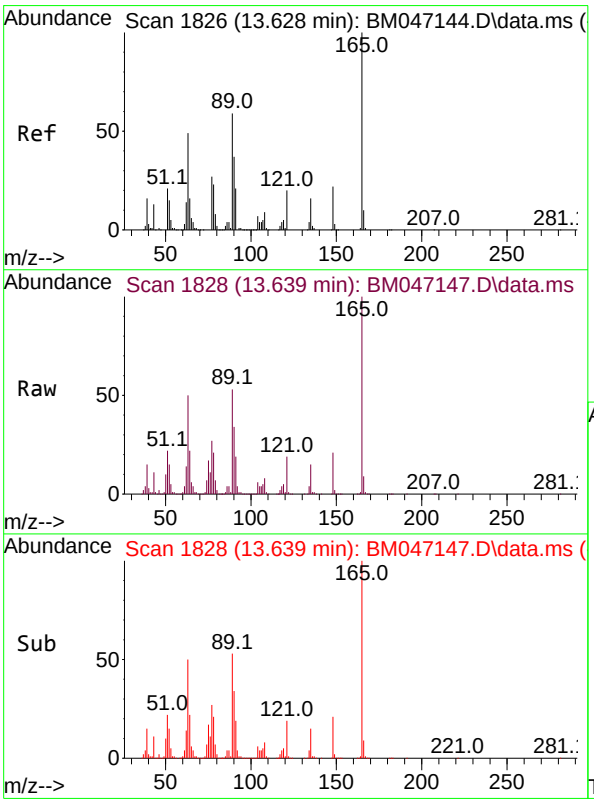
#50
Dimethylphthalate
Concen: 75.503 ng
RT: 13.522 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:163 Resp: 4196226

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	10.4	8.0	12.0

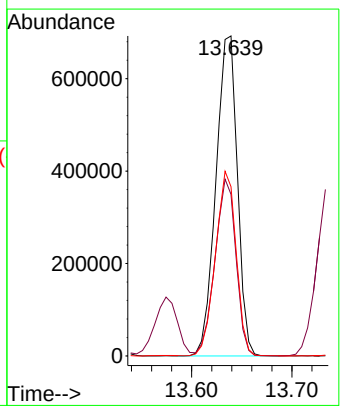


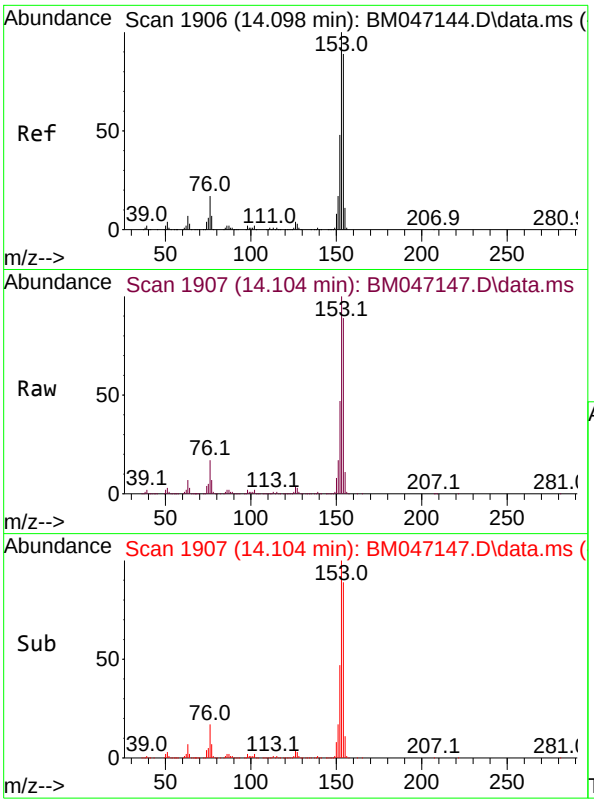


#51
2,6-Dinitrotoluene
Concen: 79.128 ng
RT: 13.639 min Scan# 1828
Delta R.T. 0.012 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:165 Resp: 1028020

Ion	Ratio	Lower	Upper
165	100		
63	50.5	46.5	69.7
89	52.9	47.3	70.9



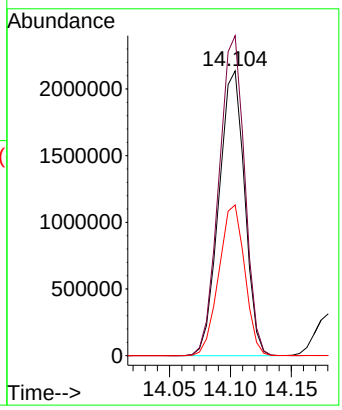


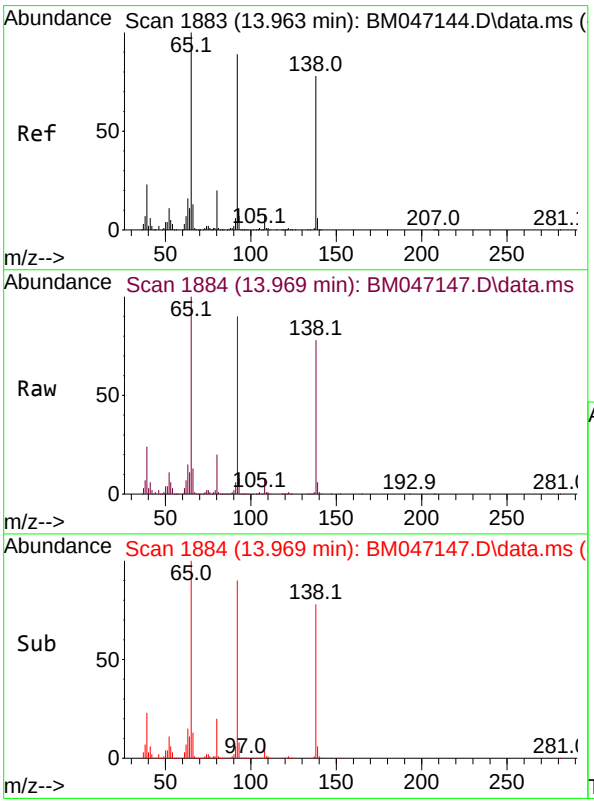
#52
Acenaphthene
Concen: 75.941 ng
RT: 14.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 3144083

Ion	Ratio	Lower	Upper
154	100		
153	112.4	90.3	135.5
152	52.9	42.9	64.3

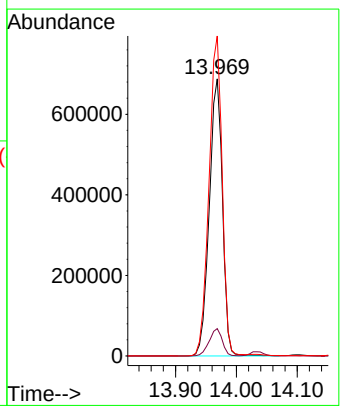


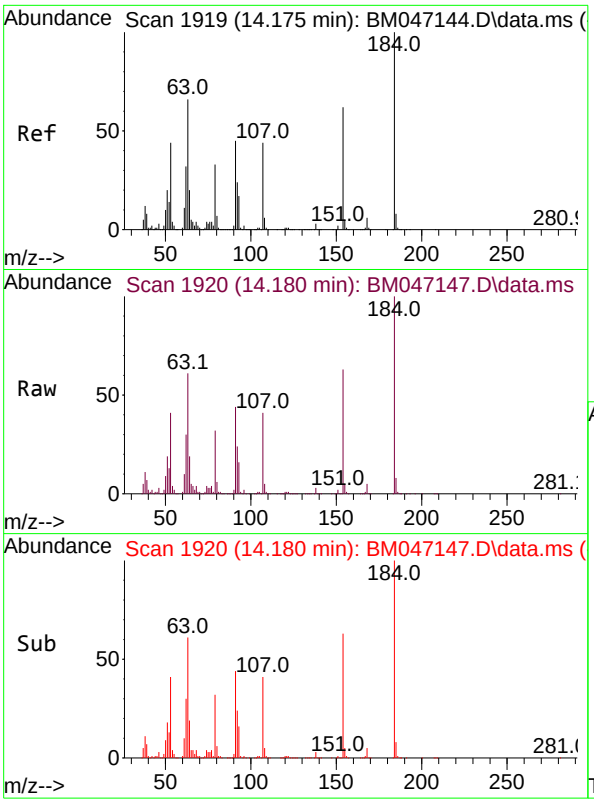


#53
3-Nitroaniline
Concen: 79.468 ng
RT: 13.969 min Scan# 1884
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:138 Resp: 1034545

Ion	Ratio	Lower	Upper
138	100		
108	9.9	7.9	11.9
92	115.5	92.0	138.0



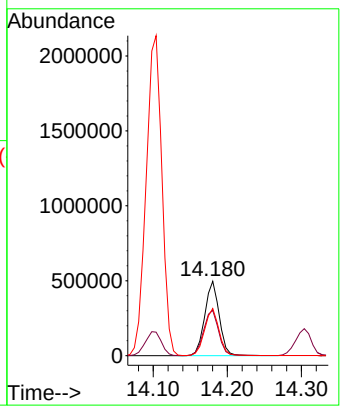


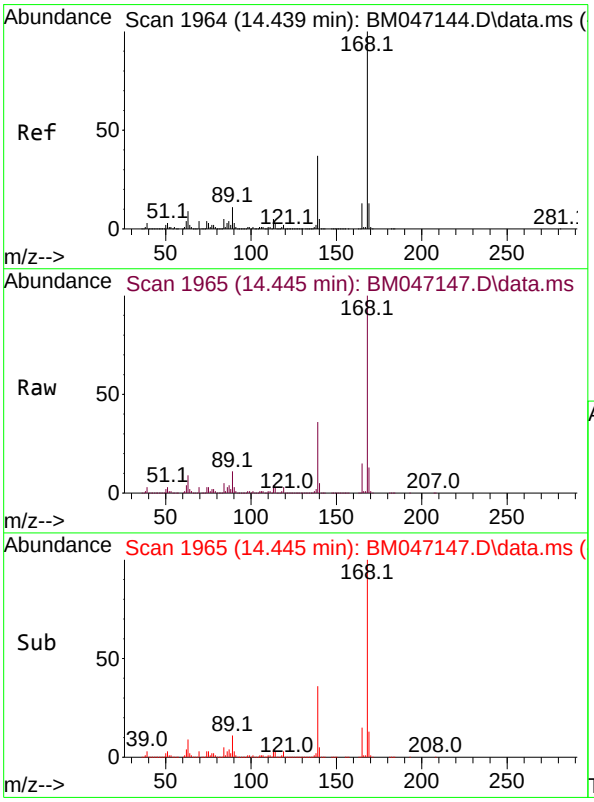
#54
2,4-Dinitrophenol
Concen: 86.639 ng
RT: 14.180 min Scan# 1
Delta R.T. 0.005 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 674624

Ion	Ratio	Lower	Upper
184	100		
63	60.8	52.7	79.1
154	63.4	50.4	75.6

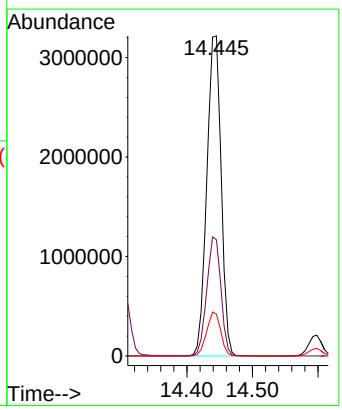


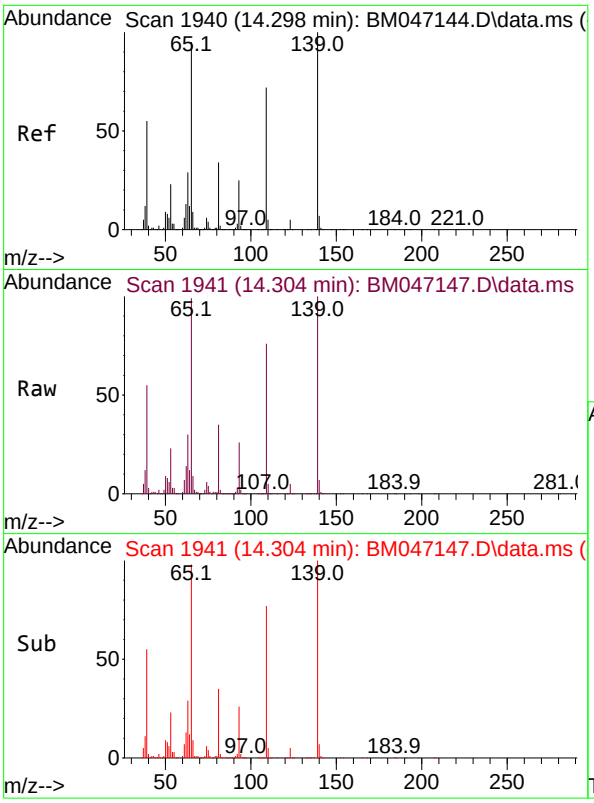


#55
Dibenzofuran
Concen: 74.735 ng
RT: 14.445 min Scan# 1965
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:168 Resp: 4887362

Ion	Ratio	Lower	Upper
168	100		
139	36.3	29.6	44.4
169	13.1	10.7	16.1



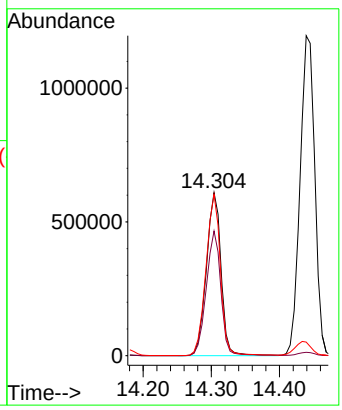


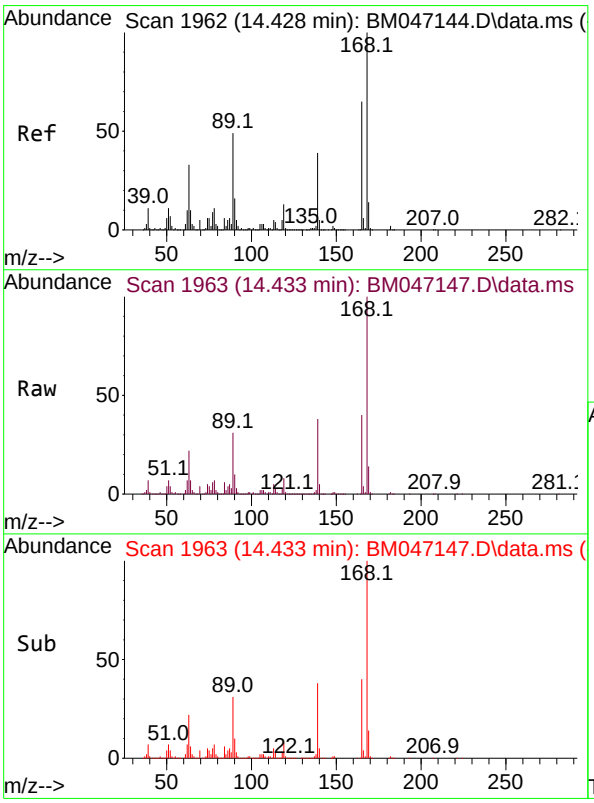
#56
4-Nitrophenol
Concen: 81.334 ng
RT: 14.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 913035

Ion	Ratio	Lower	Upper
139	100		
109	76.5	52.5	92.5
65	99.0	75.4	115.4

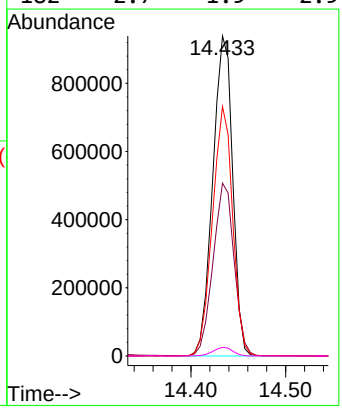


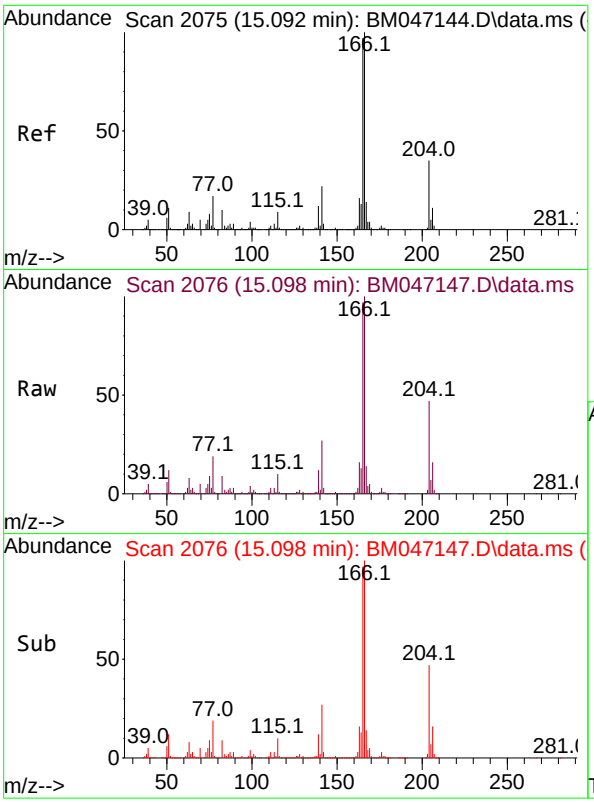


#57
2,4-Dinitrotoluene
Concen: 79.012 ng
RT: 14.433 min Scan# 1963
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:165 Resp: 1370129

Ion	Ratio	Lower	Upper
165	100		
63	54.0	40.3	60.5
89	78.0	61.0	91.6
182	2.7	1.9	2.9



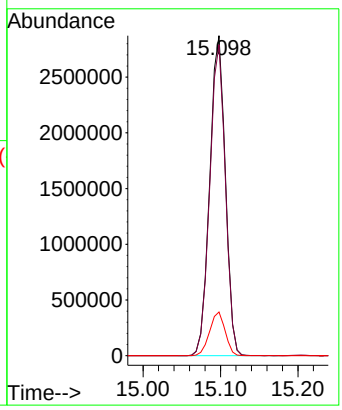


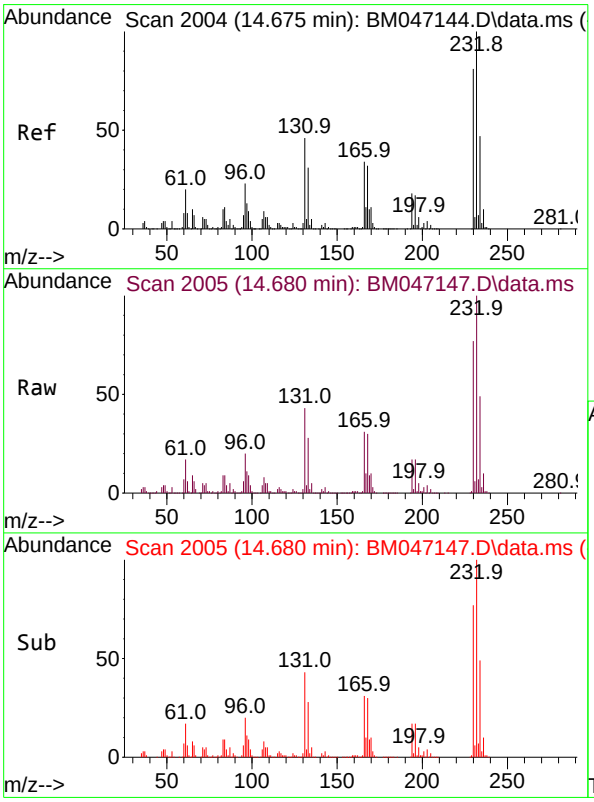
#58
Fluorene
Concen: 74.602 ng
RT: 15.098 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:166 Resp: 4025459

Ion	Ratio	Lower	Upper
166	100		
165	97.2	77.4	116.0
167	13.7	11.0	16.6

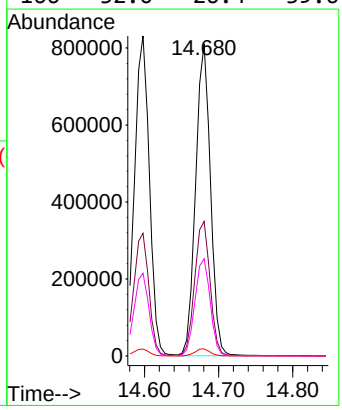


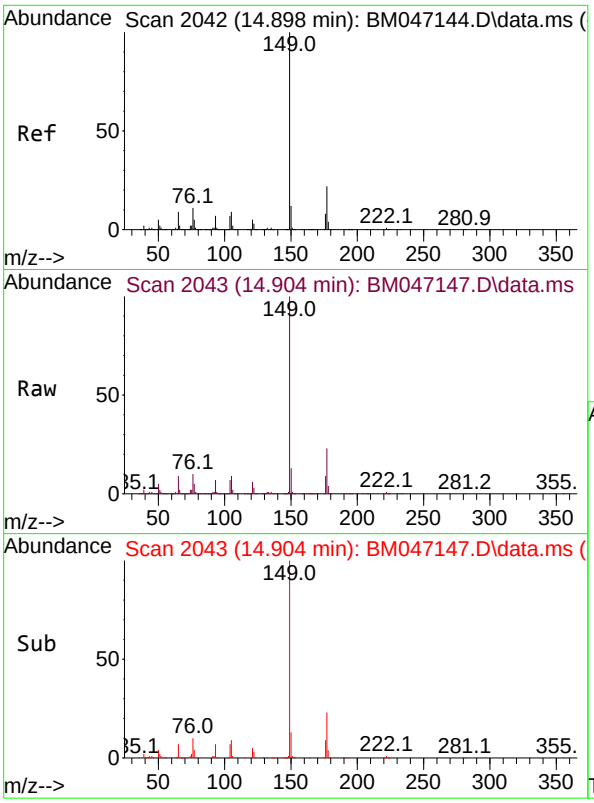


#59
2,3,4,6-Tetrachlorophenol
Concen: 80.180 ng
RT: 14.680 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:232 Resp: 1128723

Ion	Ratio	Lower	Upper
232	100		
131	44.8	36.9	55.3
130	2.3	2.0	3.0
166	32.0	26.4	39.6



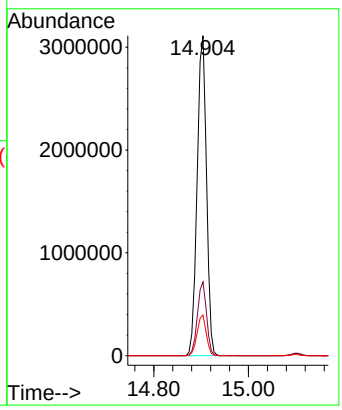


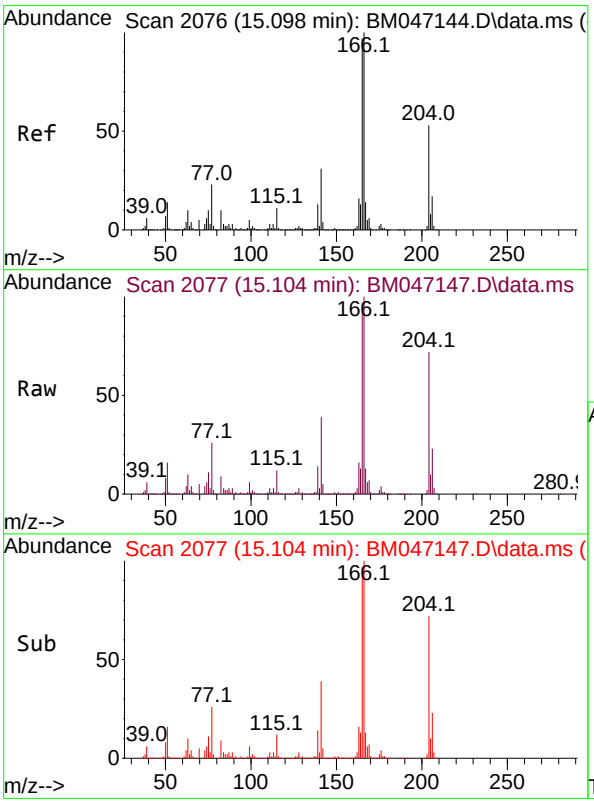
#60
Diethylphthalate
Concen: 75.010 ng
RT: 14.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 4257104

Ion	Ratio	Lower	Upper
149	100		
177	23.0	17.6	26.4
150	12.8	9.8	14.6

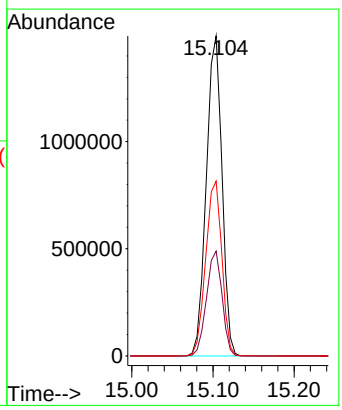


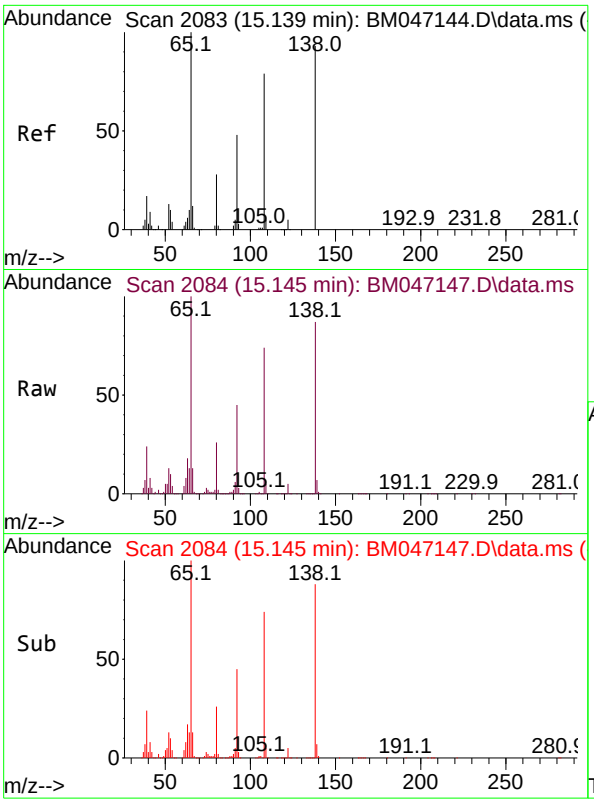


#61
4-Chlorophenyl-phenylether
Concen: 77.748 ng
RT: 15.104 min Scan# 2077
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:204 Resp: 1997247

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.4
141	54.7	47.2	70.8



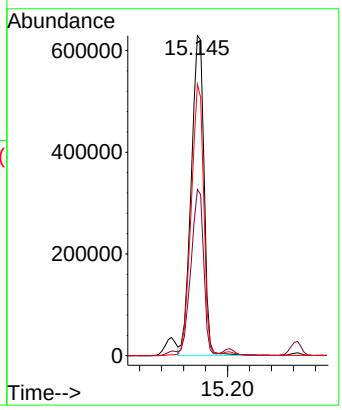


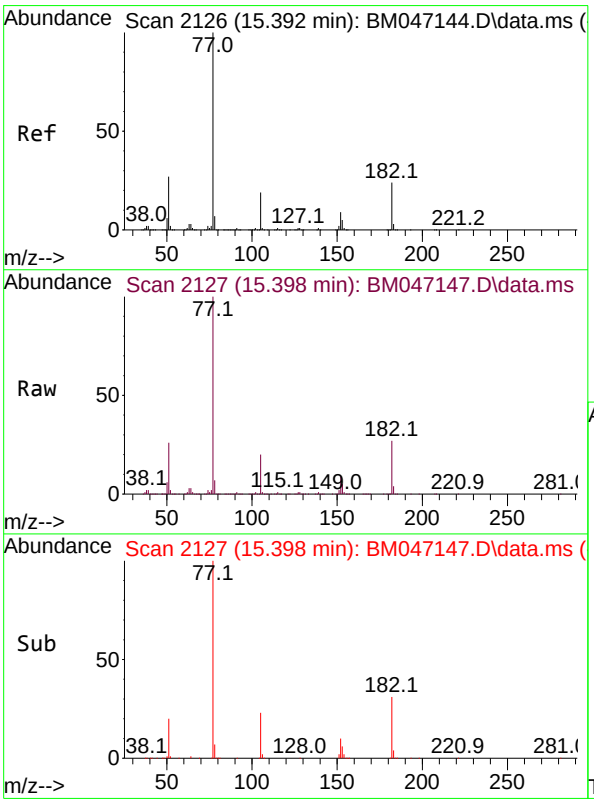
#62
4-Nitroaniline
Concen: 79.564 ng
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 1020427

Ion	Ratio	Lower	Upper
138	100		
92	51.9	31.9	71.9
108	84.8	63.8	103.8

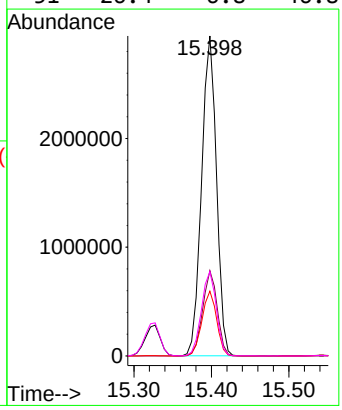


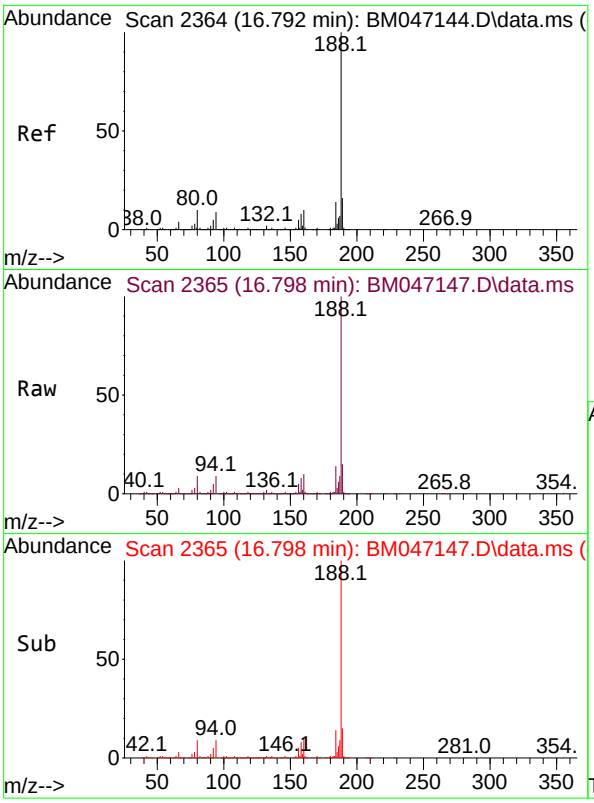


#63
Azobenzene
Concen: 72.861 ng
RT: 15.398 min Scan# 2127
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion: 77 Resp: 3920766

Ion	Ratio	Lower	Upper
77	100		
182	26.7	3.8	43.8
105	20.2	0.0	39.5
51	26.4	6.8	46.8



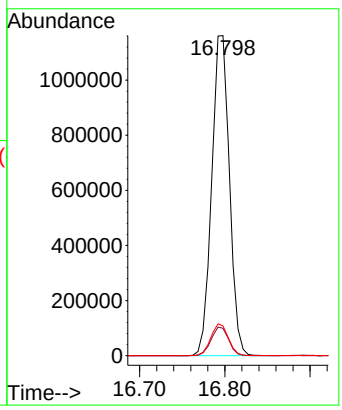


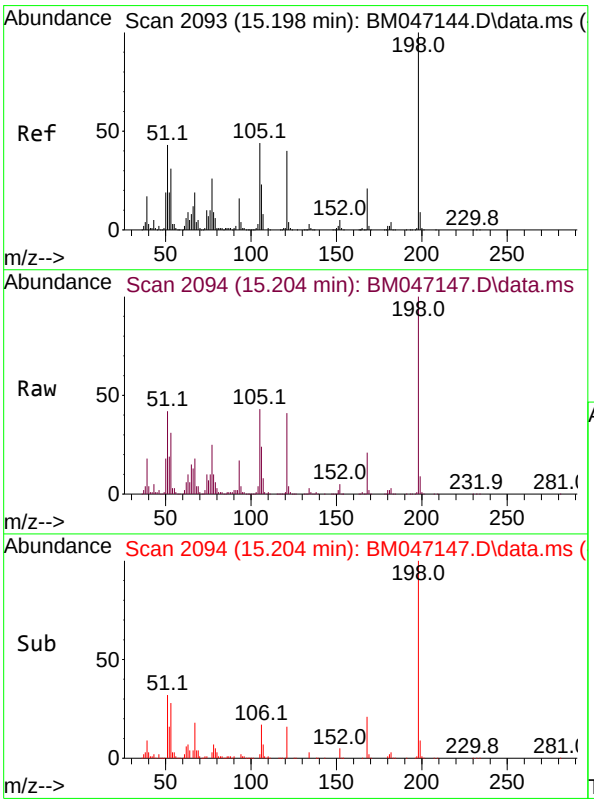
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.798 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:188 Resp: 1674812

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.0	10.6
80	9.3	8.0	12.0

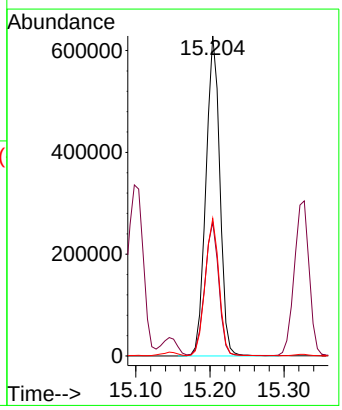


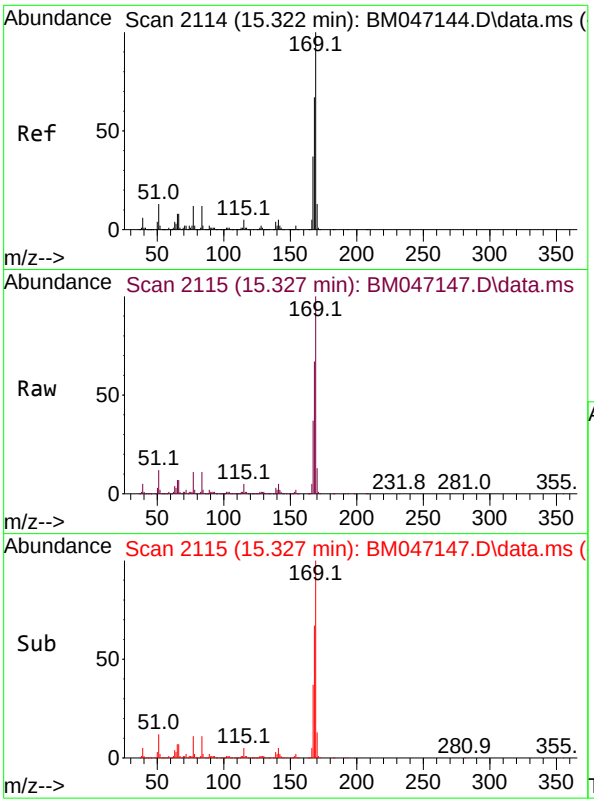


#65
4,6-Dinitro-2-methylphenol
Concen: 83.643 ng
RT: 15.204 min Scan# 2094
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:198 Resp: 820182

Ion	Ratio	Lower	Upper
198	100		
51	41.8	23.9	63.9
105	43.0	24.3	64.3



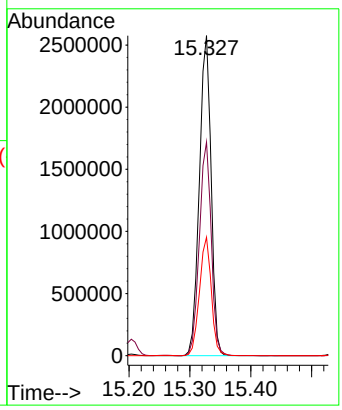


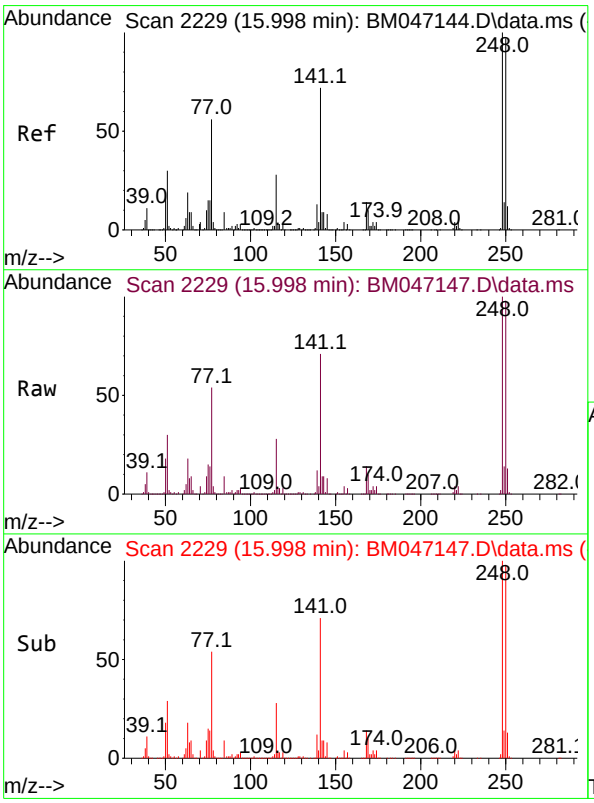
#66
n-Nitrosodiphenylamine
Concen: 75.560 ng
RT: 15.327 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:169 Resp: 3446873

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.8	80.8
167	37.0	29.3	43.9

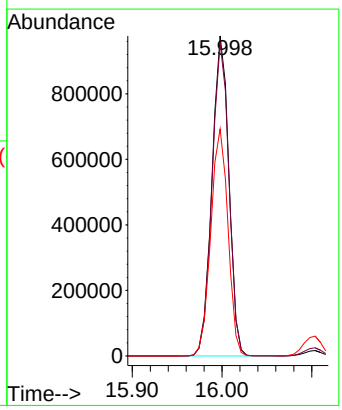


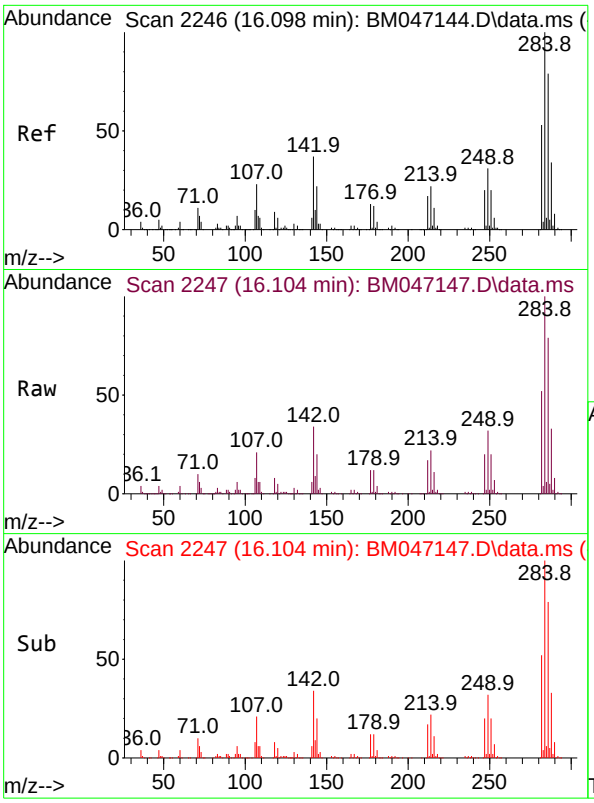


#67
4-Bromophenyl-phenylether
Concen: 79.172 ng
RT: 15.998 min Scan# 2229
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:248 Resp: 1277742

Ion	Ratio	Lower	Upper
248	100		
250	97.9	77.8	116.8
141	71.0	57.7	86.5



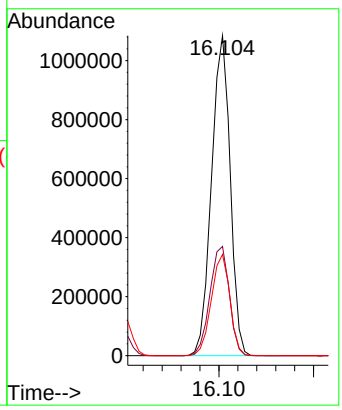


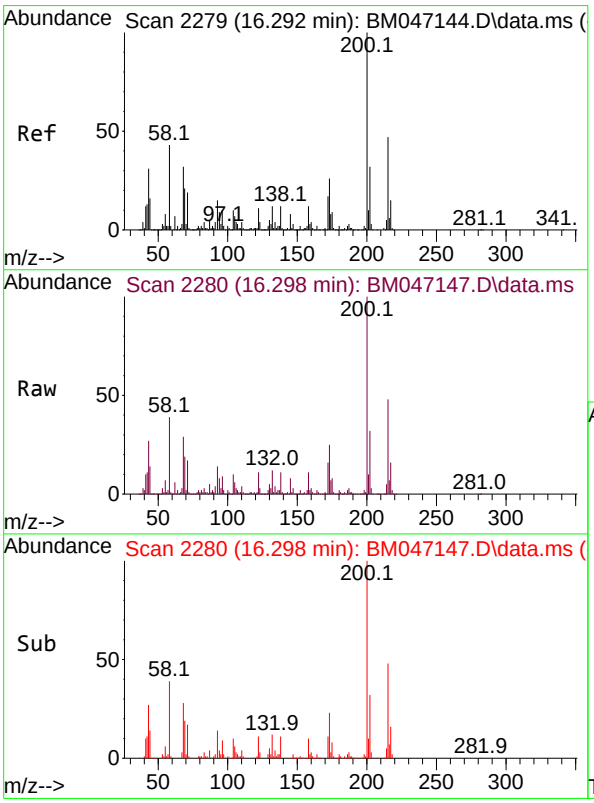
#68
Hexachlorobenzene
Concen: 76.654 ng
RT: 16.104 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:284 Resp: 1481615

Ion	Ratio	Lower	Upper
284	100		
142	34.2	29.4	44.0
249	31.6	25.1	37.7

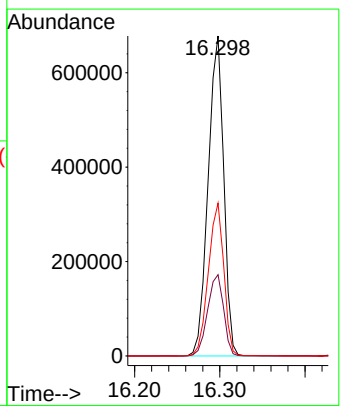


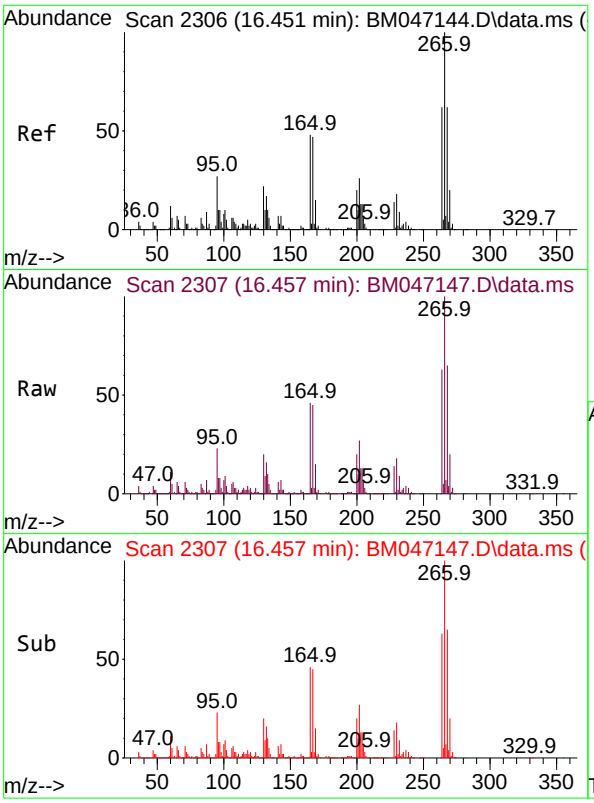


#69
Atrazine
Concen: 62.797 ng
RT: 16.298 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:200 Resp: 862020

Ion	Ratio	Lower	Upper
200	100		
173	25.4	6.1	46.1
215	47.7	26.8	66.8



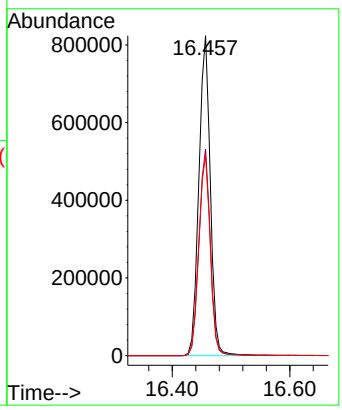


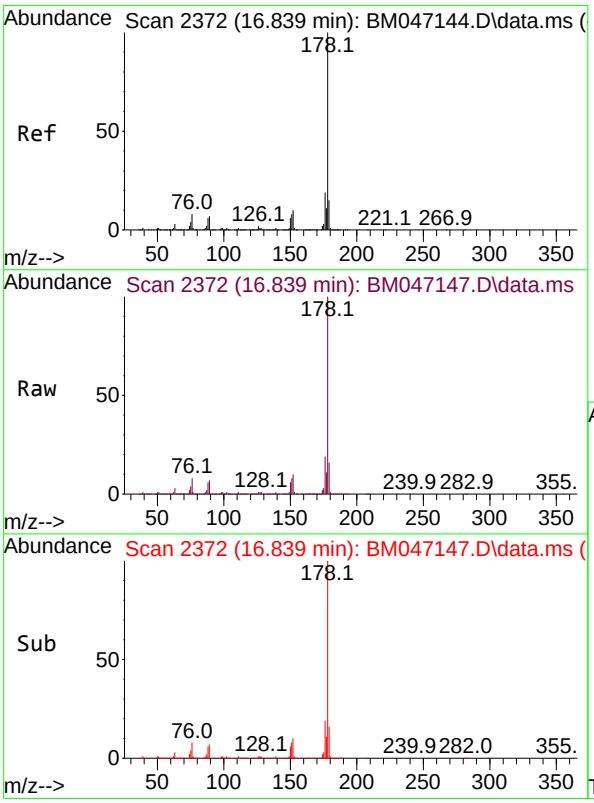
#70
Pentachlorophenol
Concen: 82.323 ng
RT: 16.457 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:266 Resp: 1115403

Ion	Ratio	Lower	Upper
266	100		
268	64.5	49.8	74.6
264	62.8	49.6	74.4

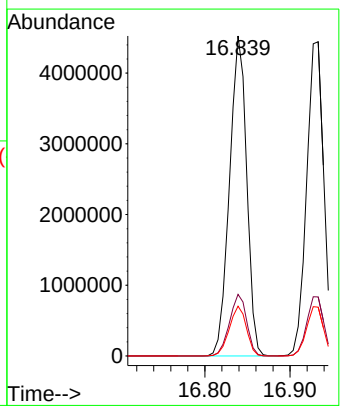


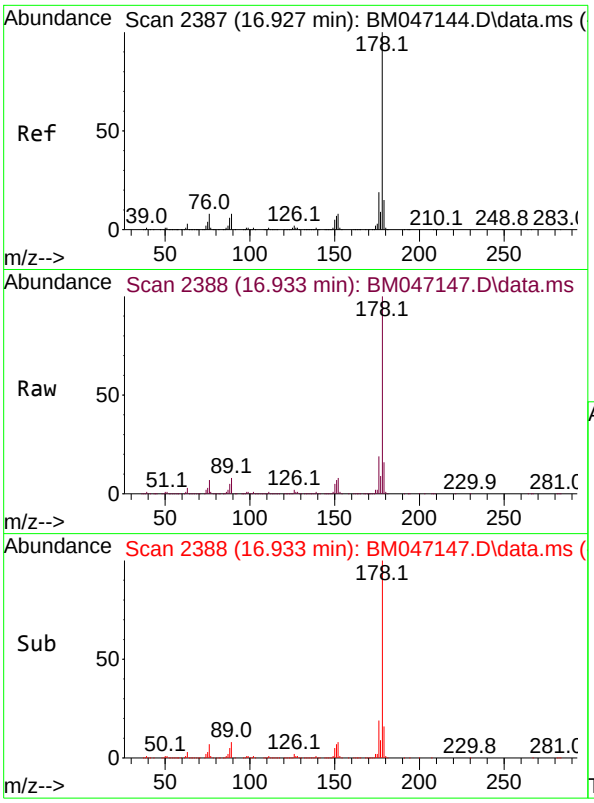


#71
Phenanthrene
Concen: 75.631 ng
RT: 16.839 min Scan# 2372
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:178 Resp: 6356974

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.6	12.4	18.6



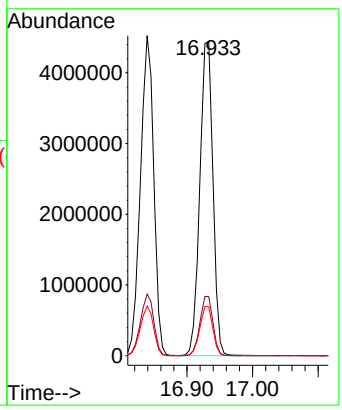


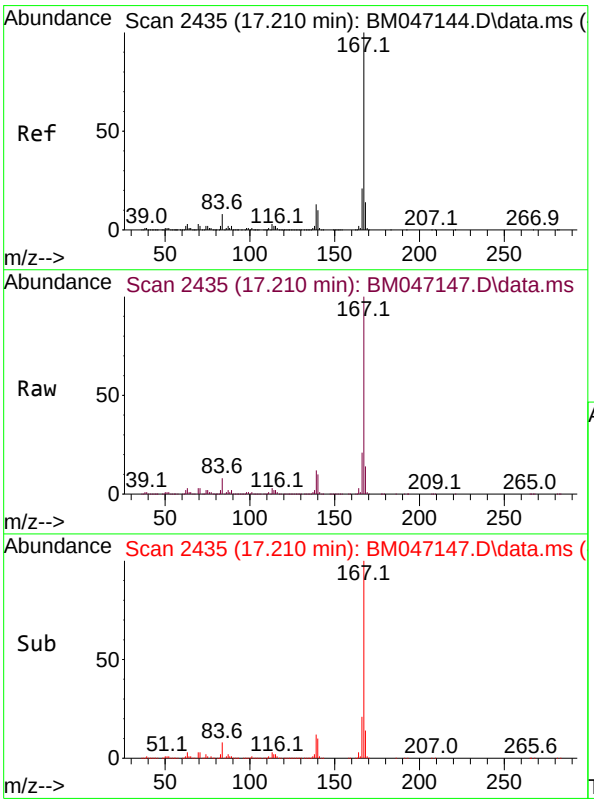
#72
Anthracene
Concen: 75.850 ng
RT: 16.933 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 6203287

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.5	12.4	18.6

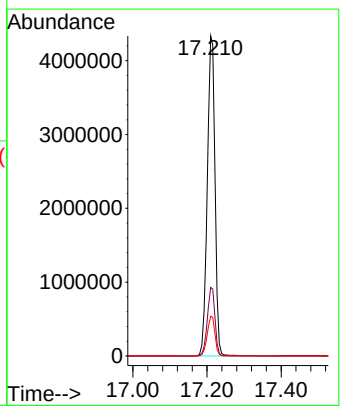


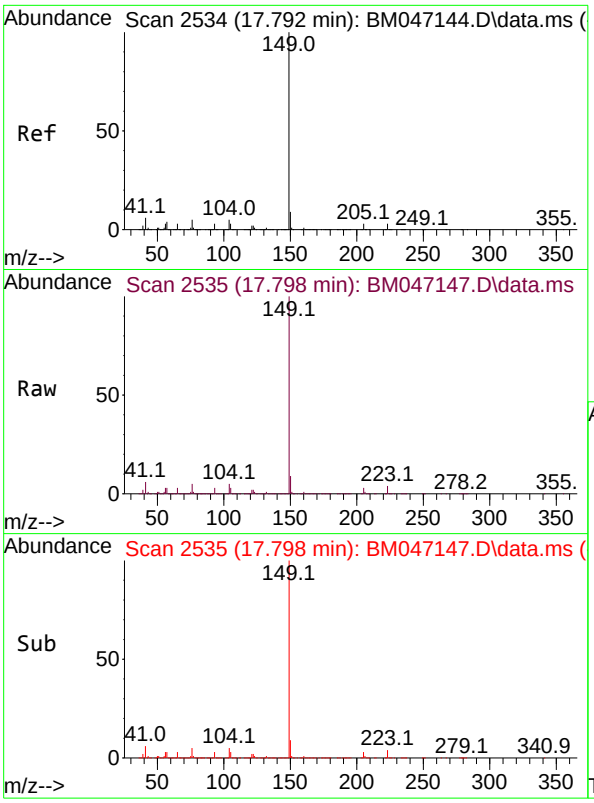


#73
Carbazole
Concen: 74.858 ng
RT: 17.210 min Scan# 2435
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:167 Resp: 6250976

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.4	10.0	15.0



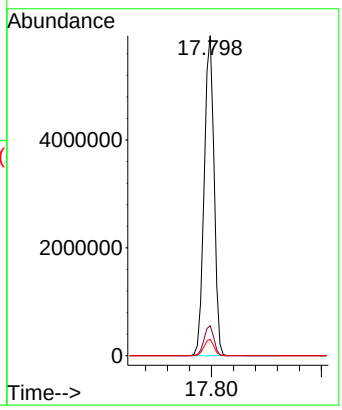


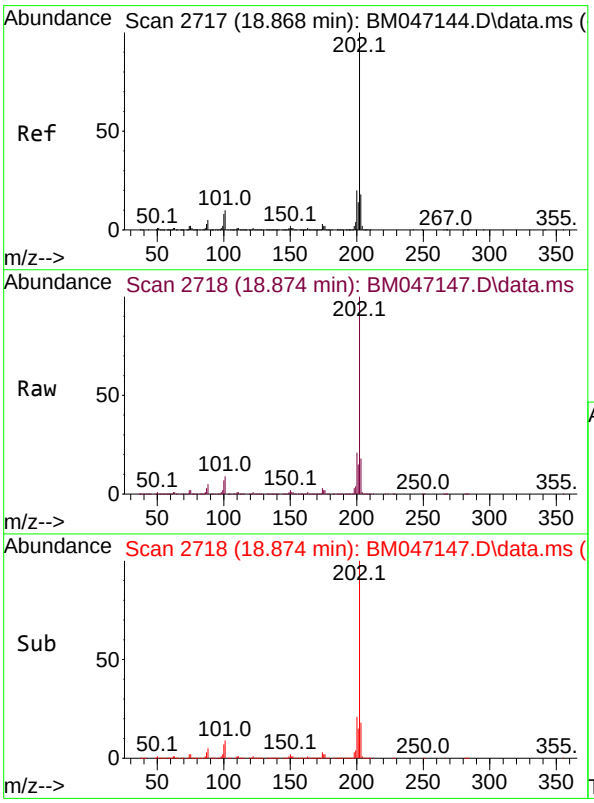
#74
Di-n-butylphthalate
Concen: 75.700 ng
RT: 17.798 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 7355197

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.1	4.1	6.1

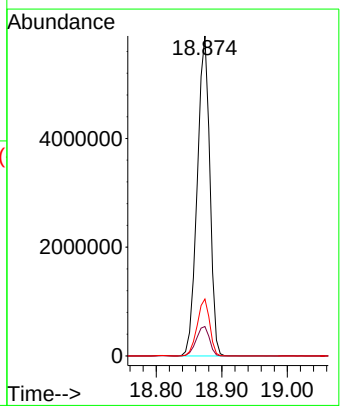


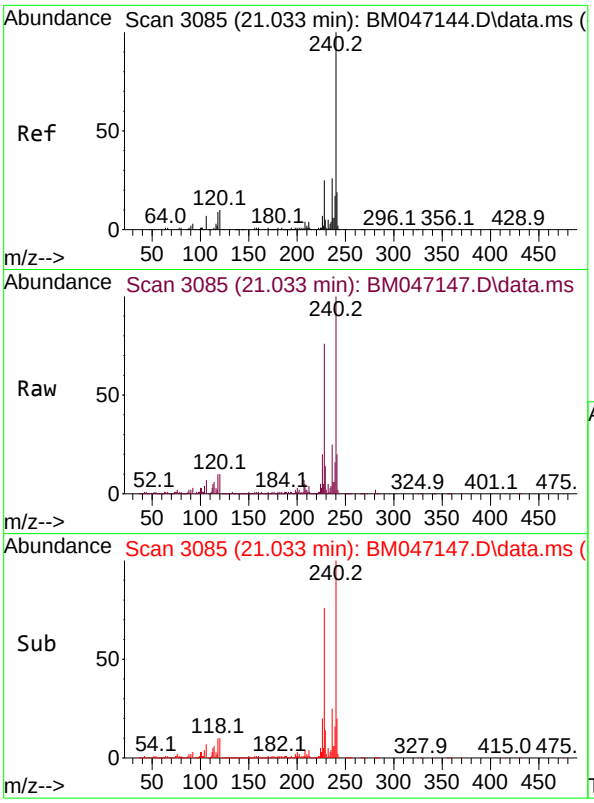


#75
Fluoranthene
Concen: 76.805 ng
RT: 18.874 min Scan# 2718
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:202 Resp: 7852169

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	30.2
203	17.8	0.0	37.6



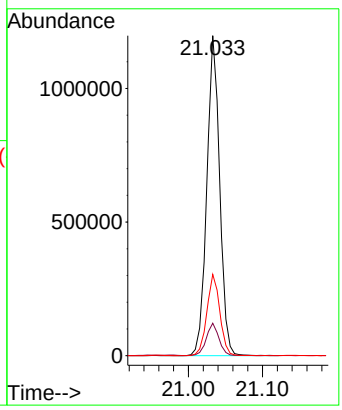


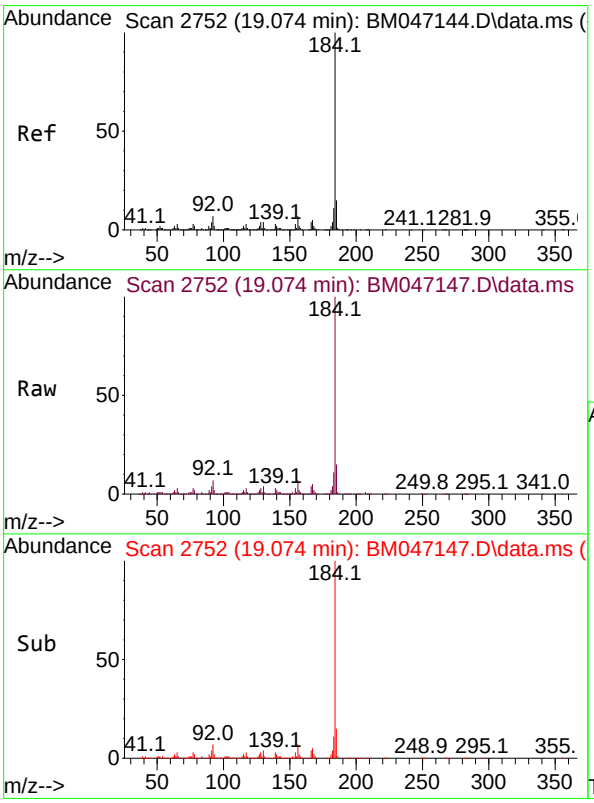
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.033 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:240 Resp: 1443265

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.2	12.2
236	25.4	20.6	30.8

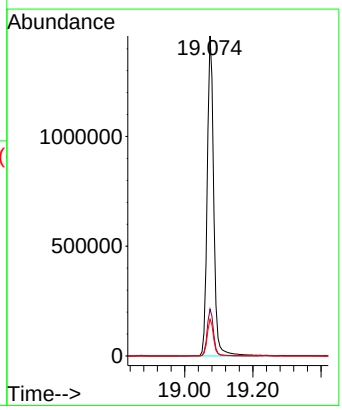


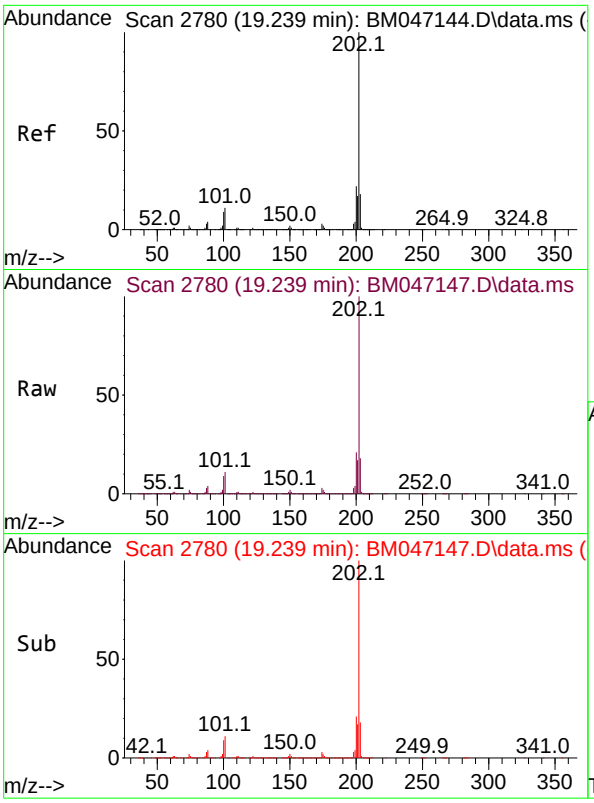


#77
Benzidine
Concen: 79.424 ng
RT: 19.074 min Scan# 2752
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:184 Resp: 1943953

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.8	17.6
183	11.5	9.0	13.6



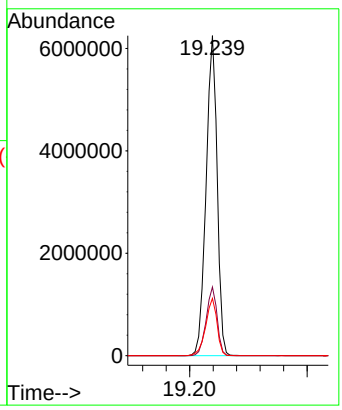


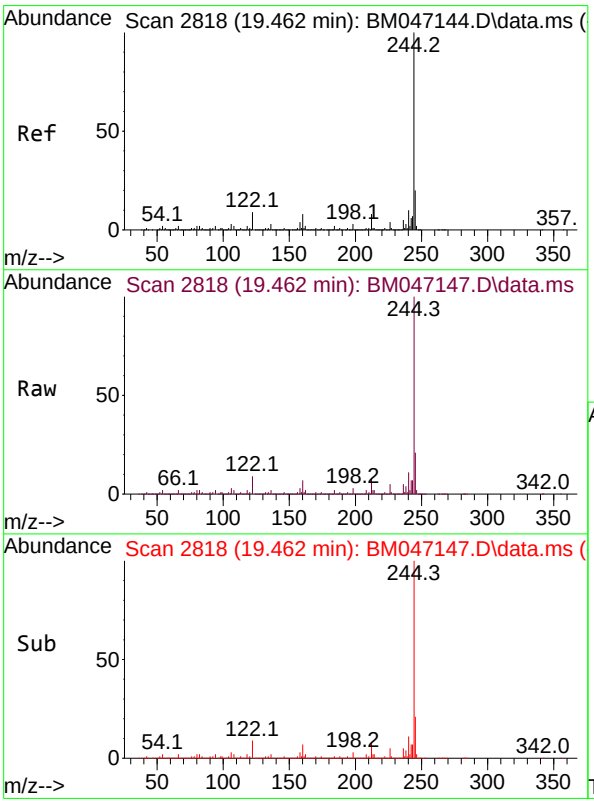
#78
Pyrene
Concen: 79.218 ng
RT: 19.239 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 8163599

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	17.9	14.2	21.2

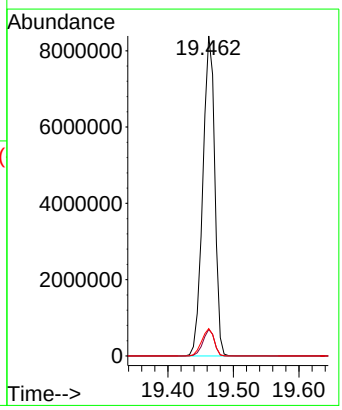


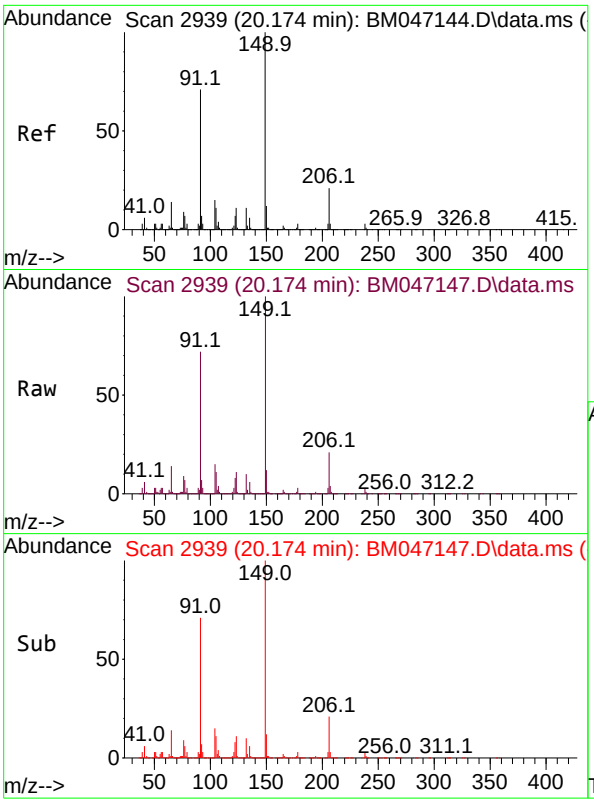


#79
Terphenyl-d14
Concen: 158.037 ng
RT: 19.462 min Scan# 2818
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:244 Resp:10644639

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.2	9.4
122	8.6	7.1	10.7



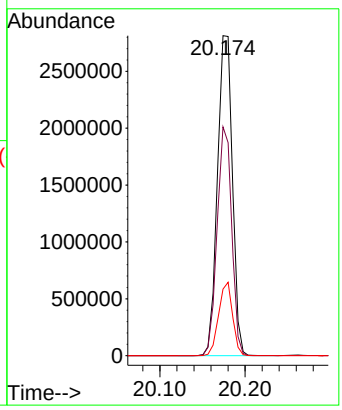


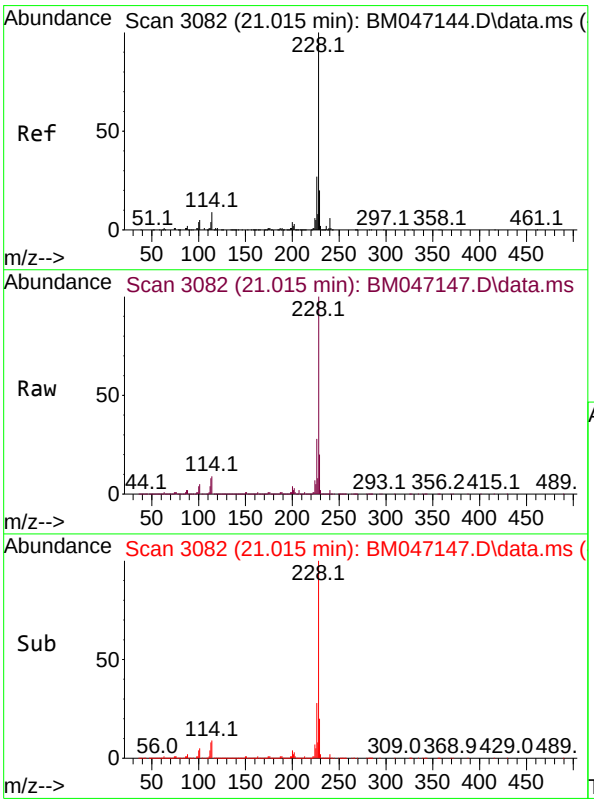
#80
Butylbenzylphthalate
Concen: 81.742 ng
RT: 20.174 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 3437732

Ion	Ratio	Lower	Upper
149	100		
91	71.5	57.0	85.4
206	20.8	16.4	24.6

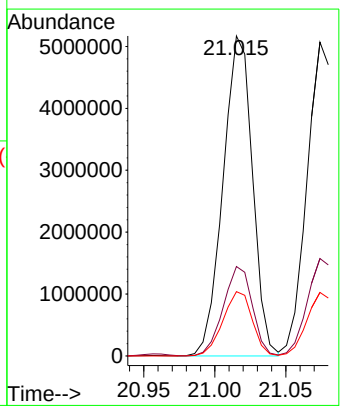


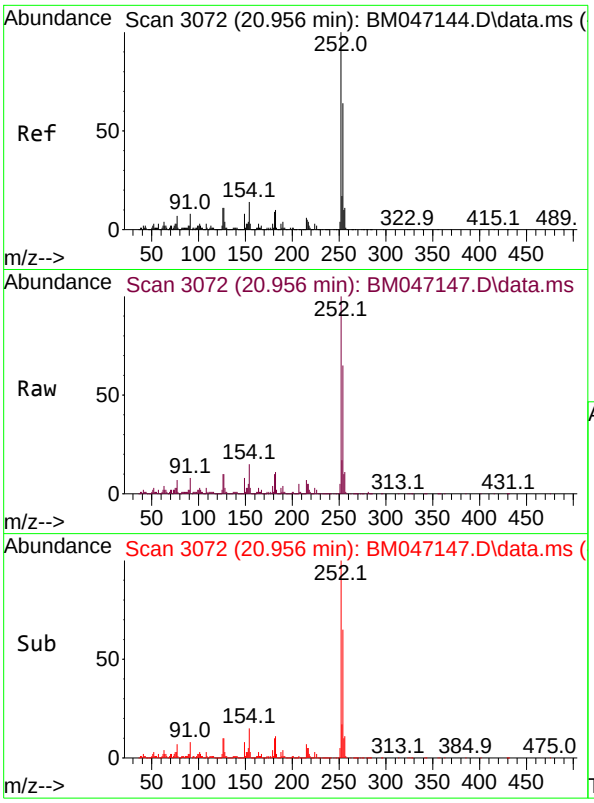


#81
Benzo(a)anthracene
Concen: 77.892 ng
RT: 21.015 min Scan# 3082
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:228 Resp: 7463024

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.8	32.6
229	20.1	15.8	23.8



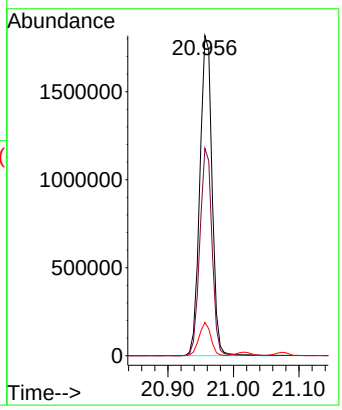


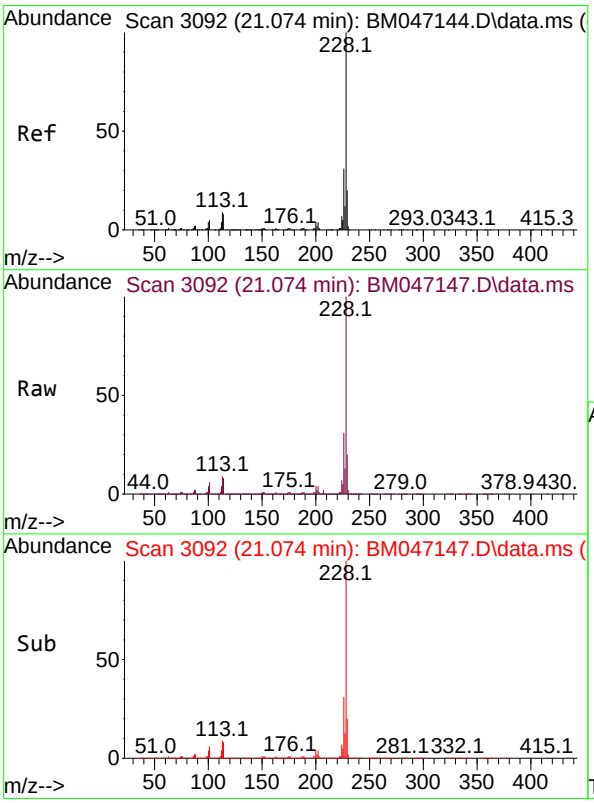
#82
3,3'-Dichlorobenzidine
Concen: 78.698 ng
RT: 20.956 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 2359199

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.0	76.6
126	10.4	8.5	12.7

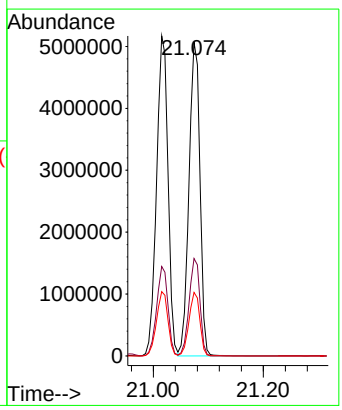


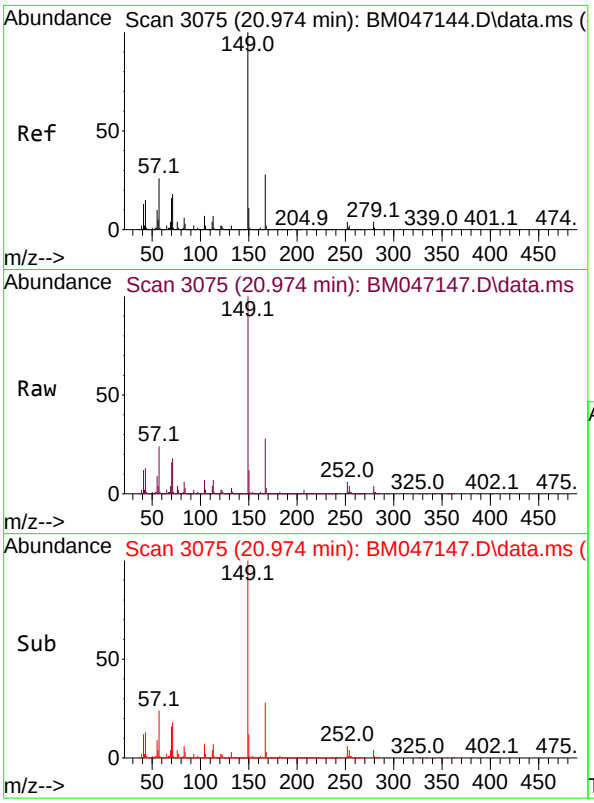


#83
Chrysene
Concen: 76.926 ng
RT: 21.074 min Scan# 3092
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:228 Resp: 6992860

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.4	36.6
229	20.2	15.7	23.5



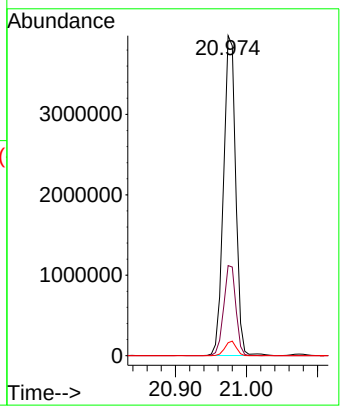


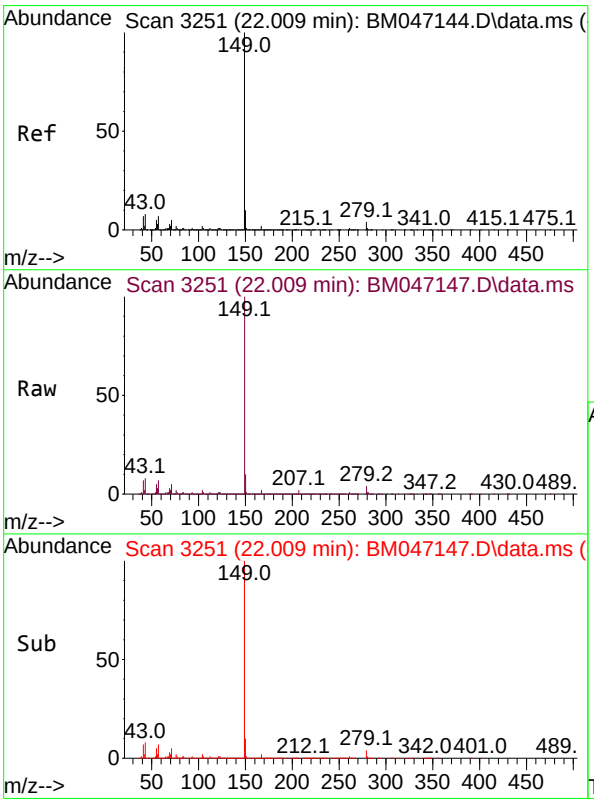
#84
Bis(2-ethylhexyl)phthalate
Concen: 79.001 ng
RT: 20.974 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 4711826

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.2	33.2
279	4.1	3.0	4.4

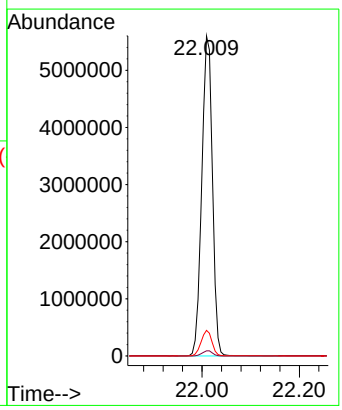


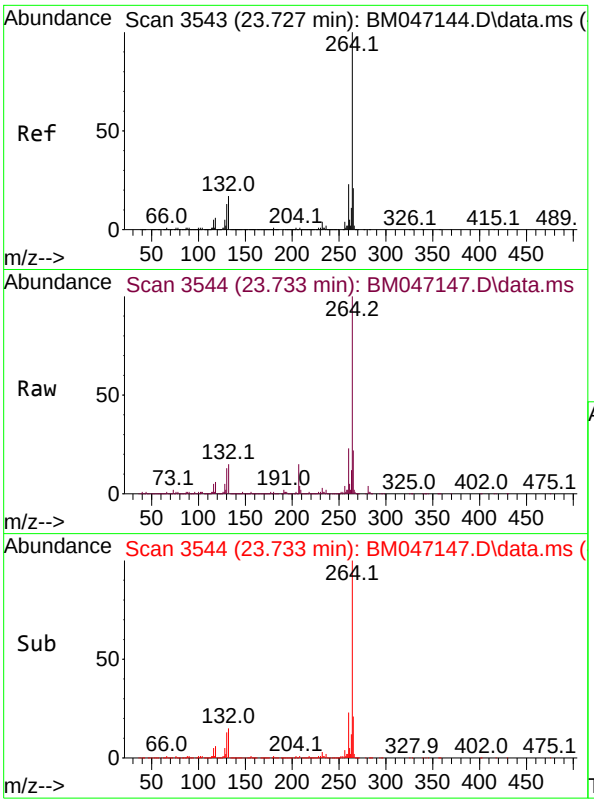


#85
Di-n-octyl phthalate
Concen: 83.492 ng
RT: 22.009 min Scan# 3251
Delta R.T. -0.000 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:149 Resp: 8464049

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.1	6.9	10.3



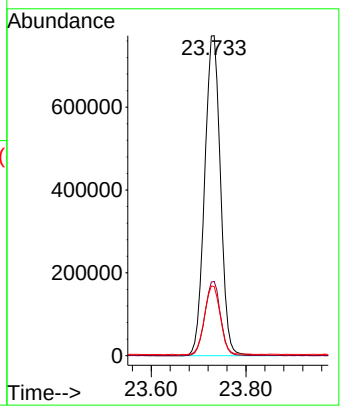


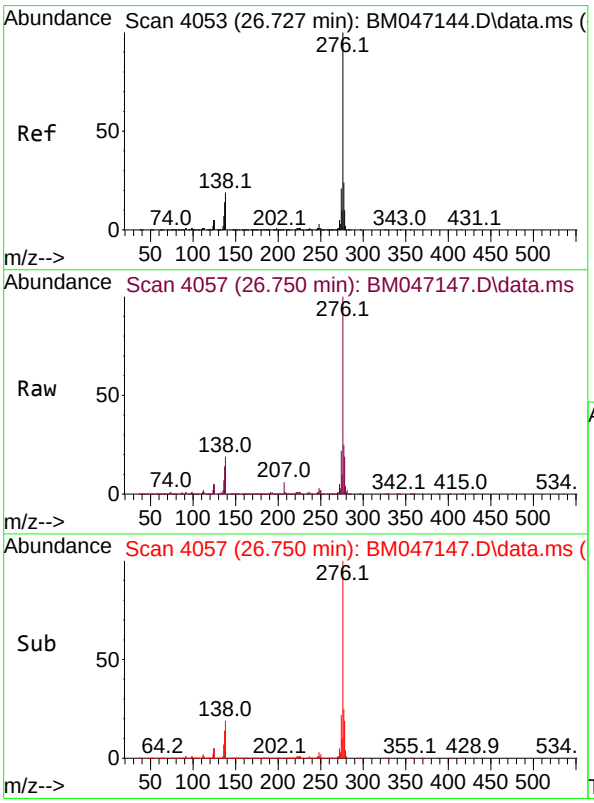
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.733 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:264 Resp: 1789187

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	21.6	17.3	25.9

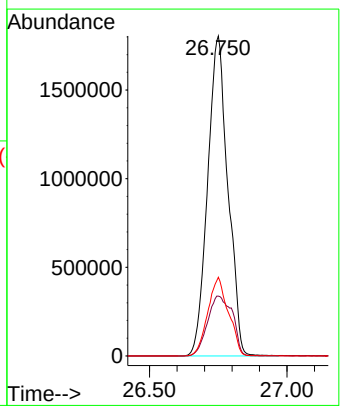


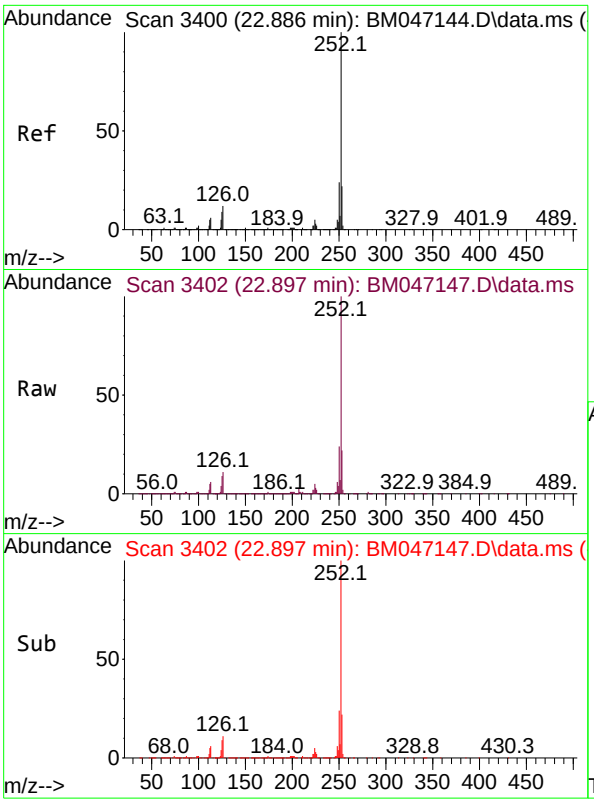


#87
Indeno(1,2,3-cd)pyrene
Concen: 80.058 ng
RT: 26.750 min Scan# 4057
Delta R.T. 0.023 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:276 Resp: 9258642

Ion	Ratio	Lower	Upper
276	100		
138	23.1	19.4	29.0
277	25.1	20.1	30.1



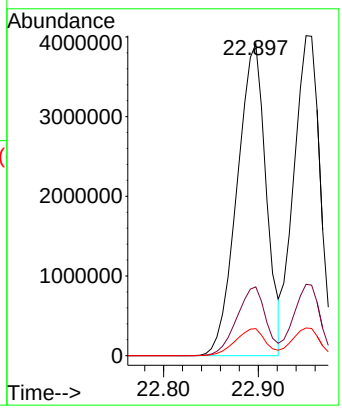


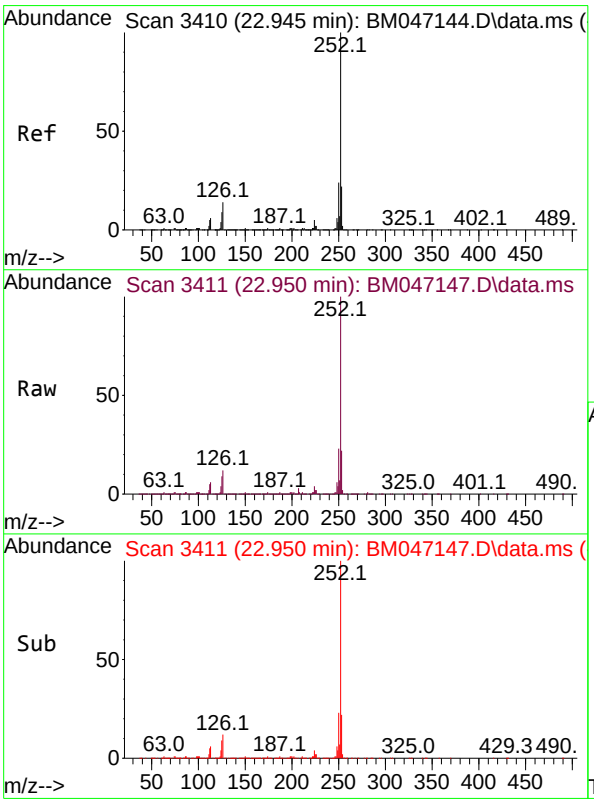
#88
Benzo(b)fluoranthene
Concen: 78.391 ng
RT: 22.897 min Scan# 34
Delta R.T. 0.012 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 8329223

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	8.6	7.4	11.0

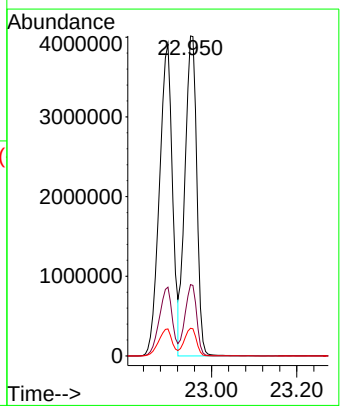


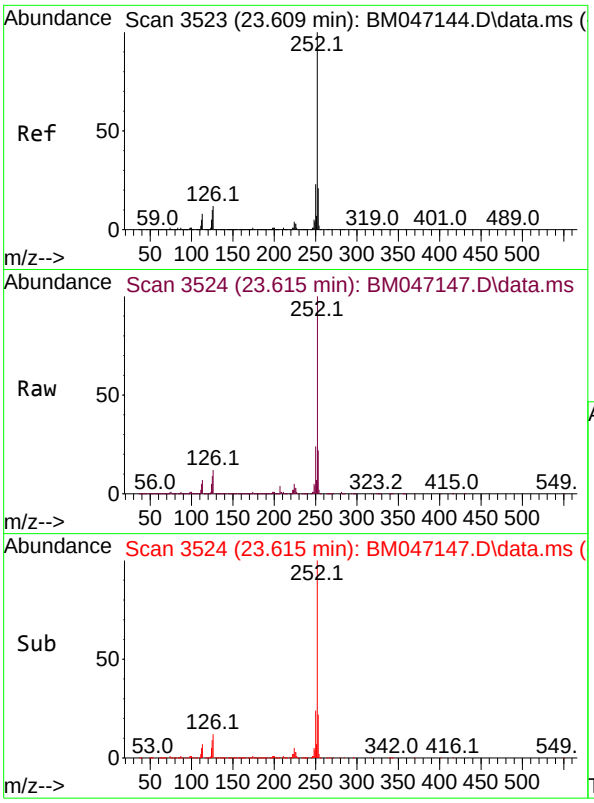


#89
Benzo(k)fluoranthene
Concen: 76.985 ng
RT: 22.950 min Scan# 3411
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:252 Resp: 7726234

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	8.7	7.4	11.2



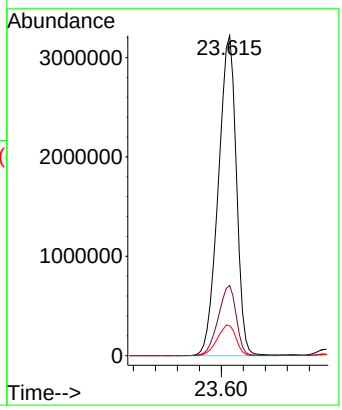


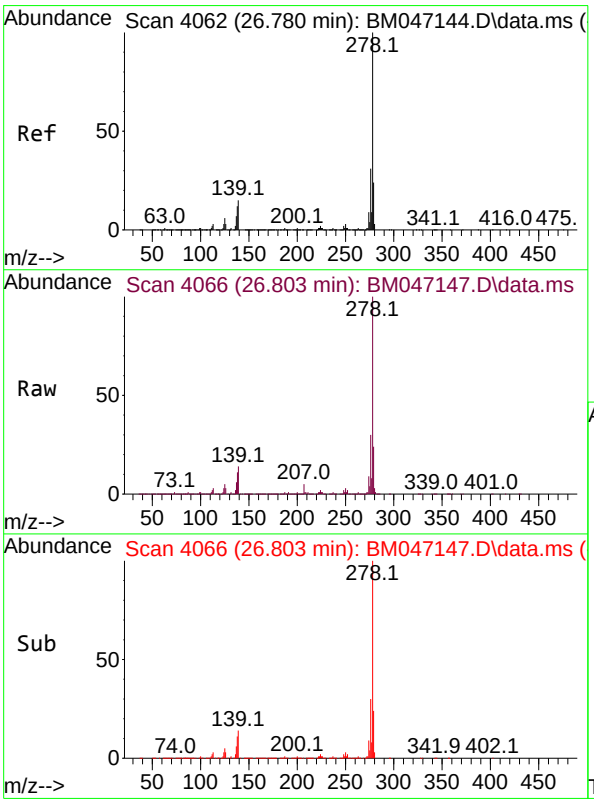
#90
Benzo(a)pyrene
Concen: 79.723 ng
RT: 23.615 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 7338002

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	9.3	8.2	12.2

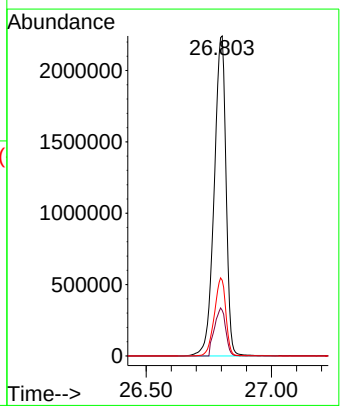


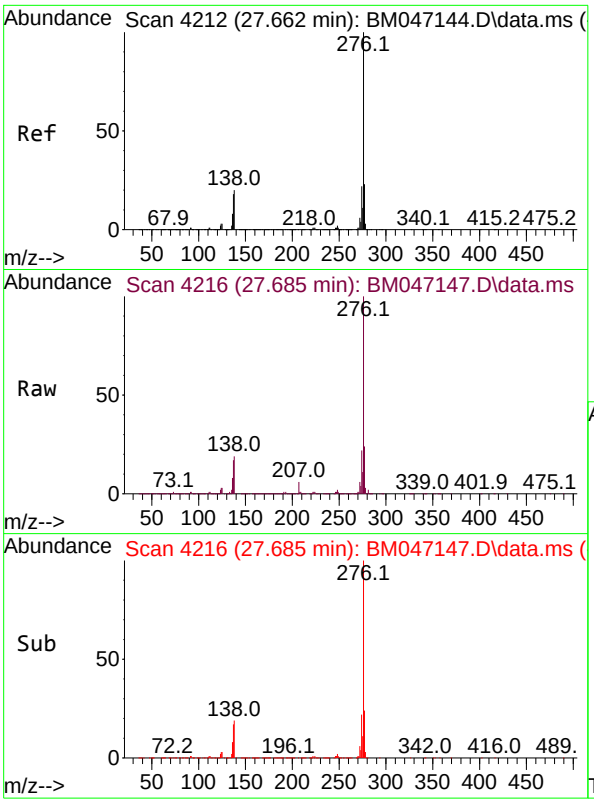


#91
Dibenzo(a,h)anthracene
Concen: 78.655 ng
RT: 26.803 min Scan# 4066
Delta R.T. 0.023 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Tgt Ion:278 Resp: 7361474

Ion	Ratio	Lower	Upper
278	100		
139	14.3	12.0	18.0
279	23.6	19.2	28.8



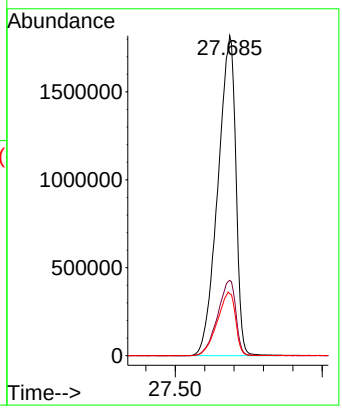


#92
Benzo(g,h,i)perylene
Concen: 79.293 ng
RT: 27.685 min Scan# 4
Delta R.T. 0.023 min
Lab File: BM047147.D
Acq: 10 Aug 2024 17:51

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 7705035

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.8	28.2
138	19.4	16.2	24.4



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047148.D
Acq On : 10 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Quant Time: Aug 11 23:52:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.375	152	296367	20.000	ng		0.00
21) Naphthalene-d8	10.128	136	1206414	20.000	ng		0.00
39) Acenaphthene-d10	14.033	164	800129	20.000	ng		0.00
64) Phenanthrene-d10	16.792	188	1673175	20.000	ng		0.00
76) Chrysene-d12	21.027	240	1477990	20.000	ng		0.00
86) Perylene-d12	23.727	264	1812426	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.022	112	1247183	75.195	ng		0.00
7) Phenol-d6	6.587	99	1751460	76.636	ng		0.00
23) Nitrobenzene-d5	8.522	82	1846961	77.088	ng		0.00
42) 2,4,6-Tribromophenol	15.539	330	757124	81.608	ng		0.00
45) 2-Fluorobiphenyl	12.639	172	4083420	78.722	ng		0.00
79) Terphenyl-d14	19.456	244	5496459	79.687	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.034	88	253056	36.823	ng		98
3) Pyridine	3.410	79	765159m	37.969	ng		
4) n-Nitrosodimethylamine	3.328	42	328593	37.322	ng		100
6) Aniline	6.722	93	844703	39.104	ng		99
8) 2-Chlorophenol	6.951	128	703988	38.916	ng		98
9) Benzaldehyde	6.540	77	476271	39.535	ng		98
10) Phenol	6.610	94	856285	37.549	ng		99
11) bis(2-Chloroethyl)ether	6.828	93	741565	37.972	ng		99
12) 1,3-Dichlorobenzene	7.263	146	836221	38.900	ng		99
13) 1,4-Dichlorobenzene	7.410	146	845433	38.844	ng		98
14) 1,2-Dichlorobenzene	7.716	146	795642	38.744	ng		99
15) Benzyl Alcohol	7.628	79	643803	39.581	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.916	45	947270	37.800	ng		99
17) 2-Methylphenol	7.834	107	595894	39.168	ng		99
18) Hexachloroethane	8.428	117	324138	38.447	ng		99
19) n-Nitroso-di-n-propyla...	8.187	70	582895	37.864	ng		99
20) 3+4-Methylphenols	8.163	107	844879	39.723	ng		99
22) Acetophenone	8.192	105	1109726	38.108	ng	#	98
24) Nitrobenzene	8.563	77	940366	38.978	ng		96
25) Isophorone	9.086	82	1650061	39.554	ng		100
26) 2-Nitrophenol	9.263	139	440983	41.274	ng		97
27) 2,4-Dimethylphenol	9.345	122	494953	39.547	ng		98
28) bis(2-Chloroethoxy)met...	9.575	93	1024303	39.022	ng		100
29) 2,4-Dichlorophenol	9.792	162	761049	40.983	ng		100
30) 1,2,4-Trichlorobenzene	9.998	180	846099	40.261	ng		100
31) Naphthalene	10.181	128	2317673	38.564	ng		100
32) Benzoic acid	9.522	122	626290	43.072	ng		99
33) 4-Chloroaniline	10.304	127	930580	40.265	ng		98
34) Hexachlorobutadiene	10.469	225	495141	40.254	ng		99
35) Caprolactam	11.116	113	261463	40.543	ng		98
36) 4-Chloro-3-methylphenol	11.451	107	787338	39.811	ng		100
37) 2-Methylnaphthalene	11.804	142	1667488	38.968	ng		100
38) 1-Methylnaphthalene	12.033	142	1644135	38.877	ng		99
40) 1,2,4,5-Tetrachloroben...	12.186	216	885065	40.555	ng		99
41) Hexachlorocyclopentadiene	12.163	237	312767	41.042	ng		98
43) 2,4,6-Trichlorophenol	12.445	196	632529	40.777	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047148.D
Acq On : 10 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Quant Time: Aug 11 23:52:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.516	196	707267	41.066	ng	99
46) 1,1'-Biphenyl	12.851	154	2199985	38.622	ng	98
47) 2-Chloronaphthalene	12.886	162	1712308	38.460	ng	100
48) 2-Nitroaniline	13.116	65	561121	40.230	ng	100
49) Acenaphthylene	13.751	152	2577143	39.270	ng	100
50) Dimethylphthalate	13.516	163	2199717	39.364	ng	100
51) 2,6-Dinitrotoluene	13.627	165	526940	40.338	ng	96
52) Acenaphthene	14.098	154	1616361	38.828	ng	100
53) 3-Nitroaniline	13.957	138	529385	40.443	ng	98
54) 2,4-Dinitrophenol	14.174	184	315633	40.314	ng	97
55) Dibenzofuran	14.439	168	2550249	38.784	ng	99
56) 4-Nitrophenol	14.292	139	466721	41.349	ng	98
57) 2,4-Dinitrotoluene	14.427	165	708519	40.635	ng	98
58) Fluorene	15.092	166	2108277	38.859	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.674	232	577329	40.787	ng	99
60) Diethylphthalate	14.898	149	2232502	39.122	ng	99
61) 4-Chlorophenyl-phenyle...	15.098	204	1001595	38.777	ng	99
62) 4-Nitroaniline	15.133	138	517467	40.127	ng	98
63) Azobenzene	15.392	77	2048152	37.854	ng	98
65) 4,6-Dinitro-2-methylph...	15.198	198	416340	42.500	ng	94
66) n-Nitrosodiphenylamine	15.321	169	1790716	39.293	ng	100
67) 4-Bromophenyl-phenylether	15.998	248	647415	40.155	ng	97
68) Hexachlorobenzene	16.098	284	774906	40.130	ng	98
69) Atrazine	16.292	200	566536	41.312	ng	100
70) Pentachlorophenol	16.451	266	561329	41.470	ng	98
71) Phenanthrene	16.833	178	3272056	38.967	ng	100
72) Anthracene	16.927	178	3237131	39.620	ng	100
73) Carbazole	17.209	167	3262489	39.108	ng	99
74) Di-n-butylphthalate	17.792	149	3851216	39.675	ng	100
75) Fluoranthene	18.868	202	3981412	38.982	ng	99
77) Benzidine	19.074	184	1486859	59.321	ng	100
78) Pyrene	19.233	202	4150742	39.331	ng	99
80) Butylbenzylphthalate	20.174	149	1778335	41.291	ng	98
81) Benzo(a)anthracene	21.015	228	3835235	39.088	ng	100
82) 3,3'-Dichlorobenzidine	20.956	252	1322453	43.078	ng	98
83) Chrysene	21.068	228	3598062	38.651	ng	99
84) Bis(2-ethylhexyl)phtha...	20.974	149	2464399	40.349	ng	100
85) Di-n-octyl phthalate	22.003	149	4287924	41.304	ng	99
87) Indeno(1,2,3-cd)pyrene	26.726	276	4748737	40.535	ng	99
88) Benzo(b)fluoranthene	22.886	252	4137733	38.443	ng	100
89) Benzo(k)fluoranthene	22.944	252	4000536	39.350	ng	99
90) Benzo(a)pyrene	23.603	252	3707577	39.764	ng	99
91) Dibenzo(a,h)anthracene	26.774	278	3803894	40.122	ng	99
92) Benzo(g,h,i)perylene	27.656	276	3997872	40.615	ng	100

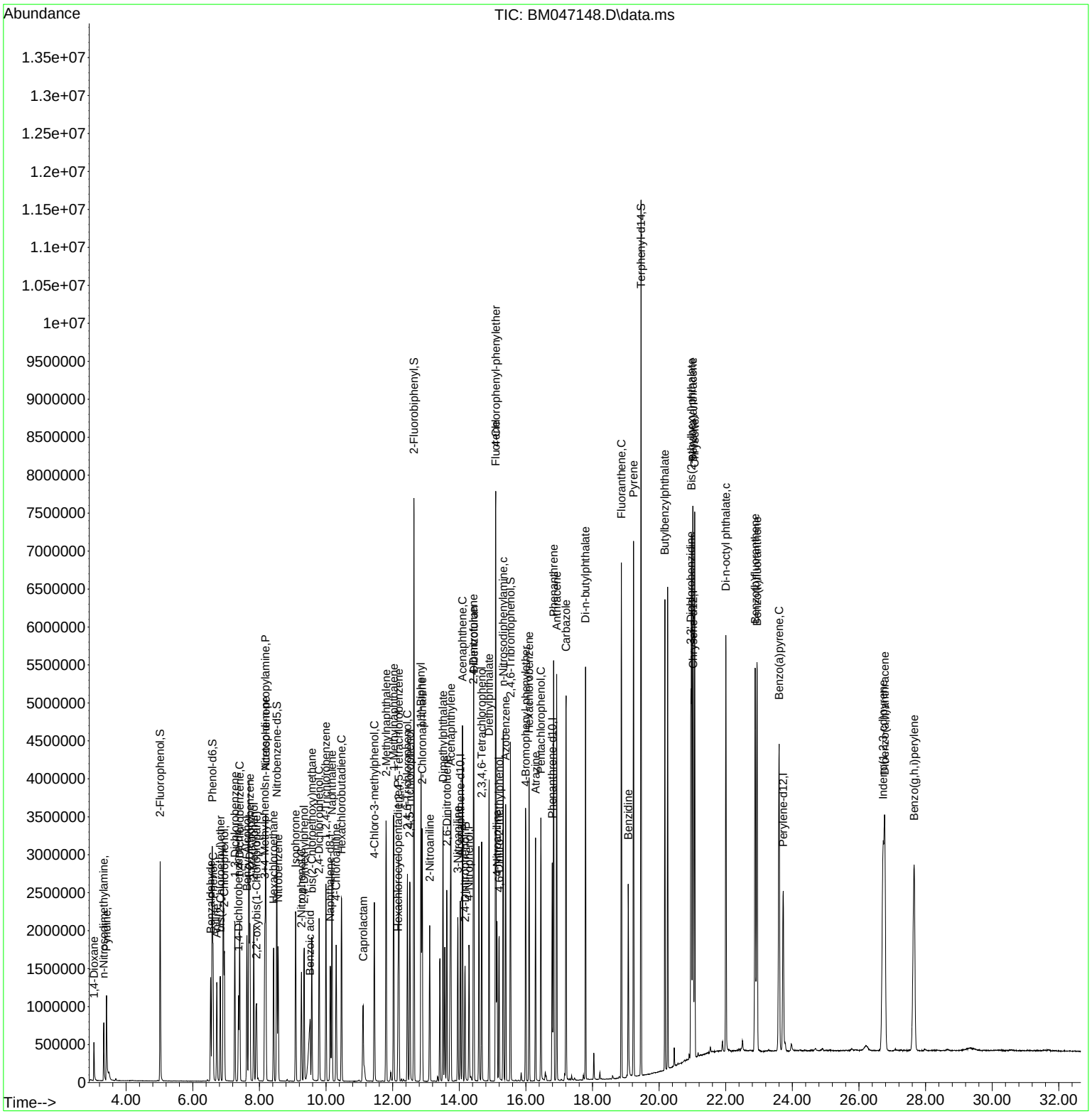
(#) = qualifier out of range (m) = manual integration (+) = signals summed

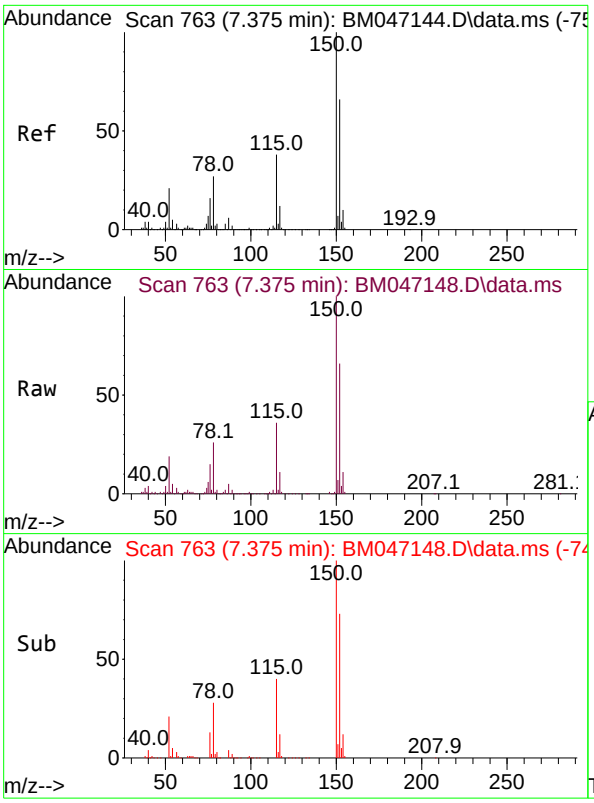
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047148.D
Acq On : 10 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Quant Time: Aug 11 23:52:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration



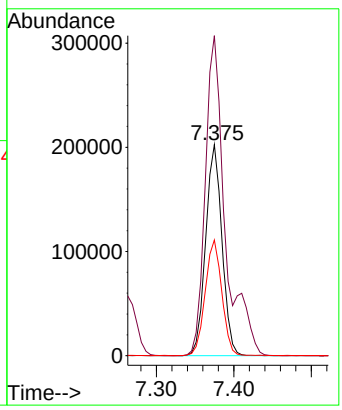


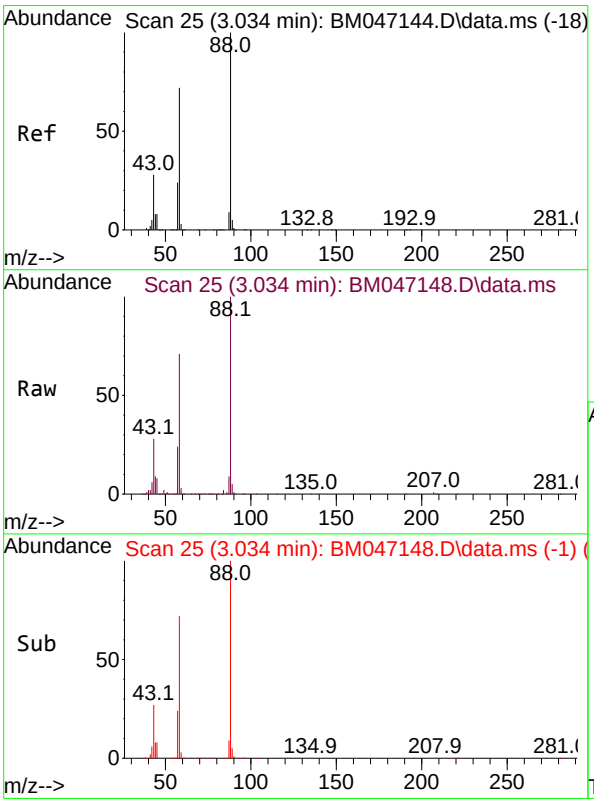
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:152 Resp: 296367

Ion	Ratio	Lower	Upper
152	100		
150	151.6	120.5	180.7
115	54.8	45.5	68.3

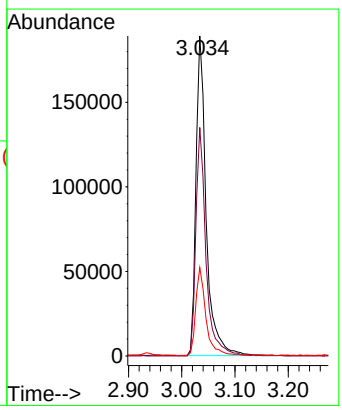


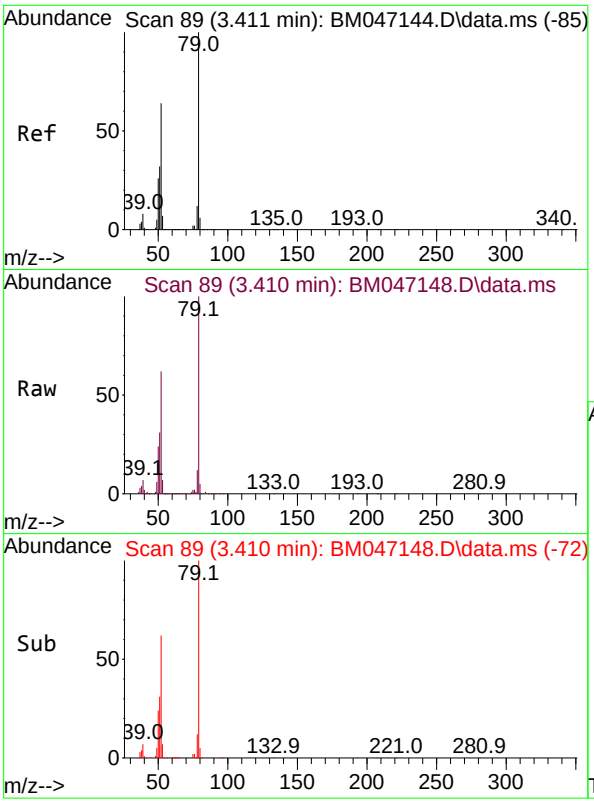


#2
1,4-Dioxane
Concen: 36.823 ng
RT: 3.034 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion: 88 Resp: 253056

Ion	Ratio	Lower	Upper
88	100		
58	70.9	58.2	87.4
43	27.5	22.5	33.7



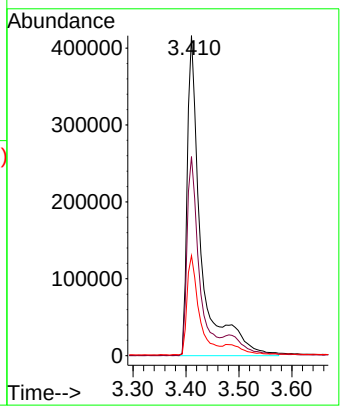


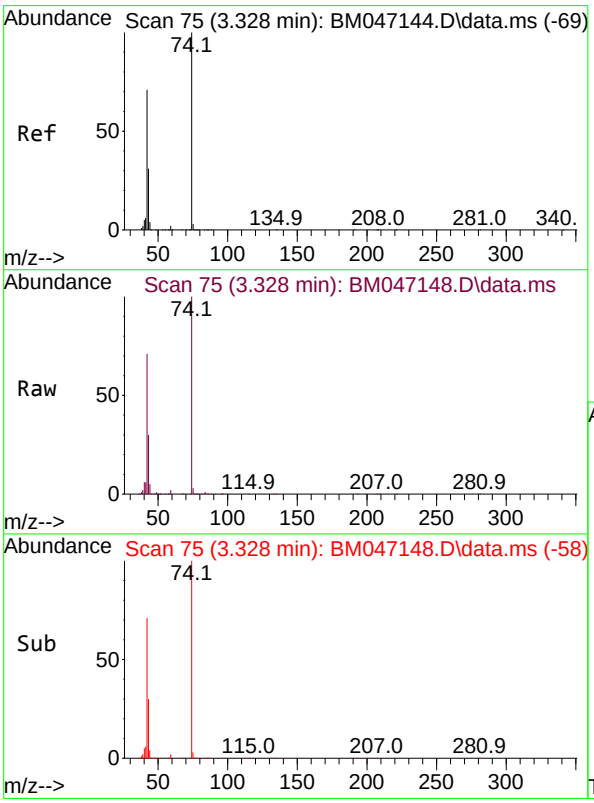
#3
Pyridine
Concen: 37.969 ng m
RT: 3.410 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion: 79 Resp: 765159

Ion	Ratio	Lower	Upper
79	100		
52	62.2	51.2	76.8
51	31.2	26.1	39.1

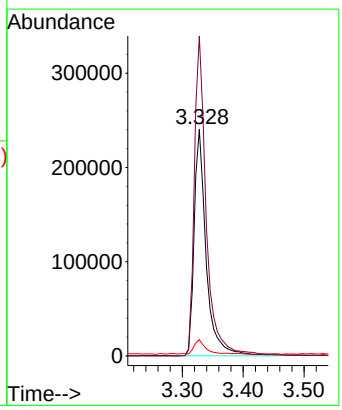


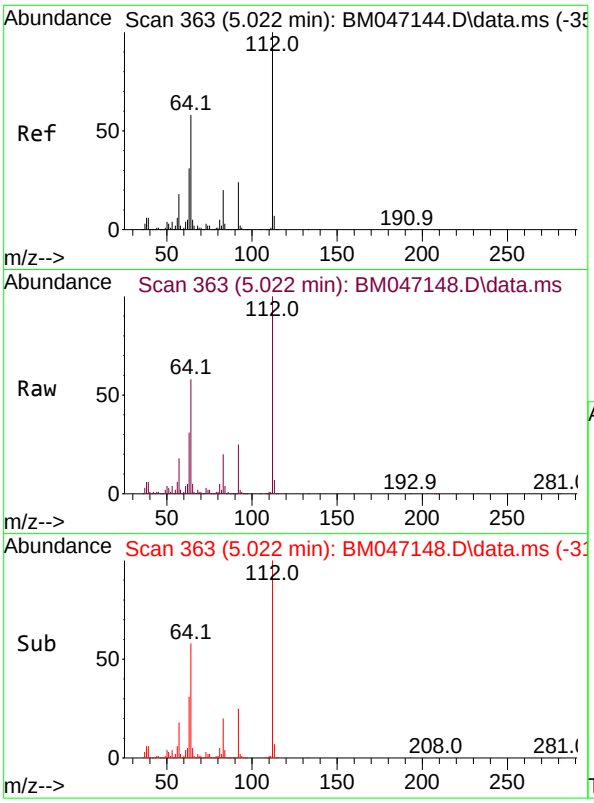


#4
n-Nitrosodimethylamine
Concen: 37.322 ng
RT: 3.328 min Scan# 75
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion: 42 Resp: 328593

Ion	Ratio	Lower	Upper
42	100		
74	141.2	112.9	169.3
44	7.2	5.3	7.9



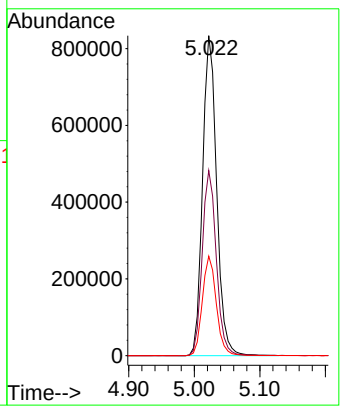


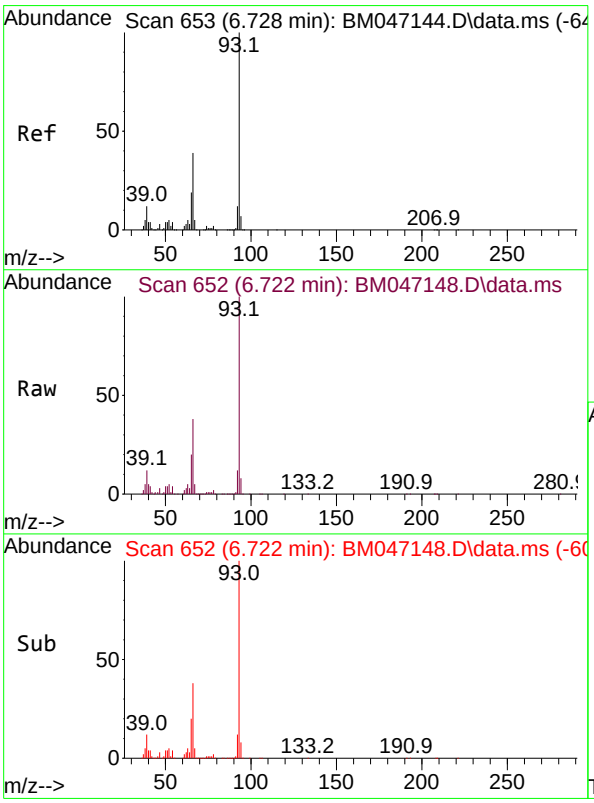
#5
2-Fluorophenol
Concen: 75.195 ng
RT: 5.022 min Scan# 3(
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:112 Resp: 1247183

Ion	Ratio	Lower	Upper
112	100		
64	57.9	46.7	70.1
63	31.1	24.8	37.2

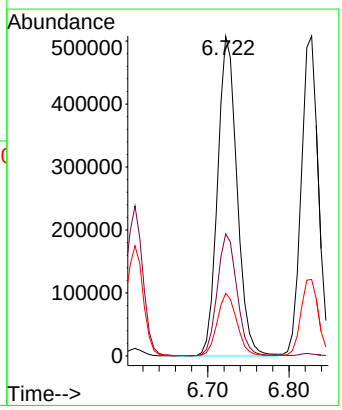


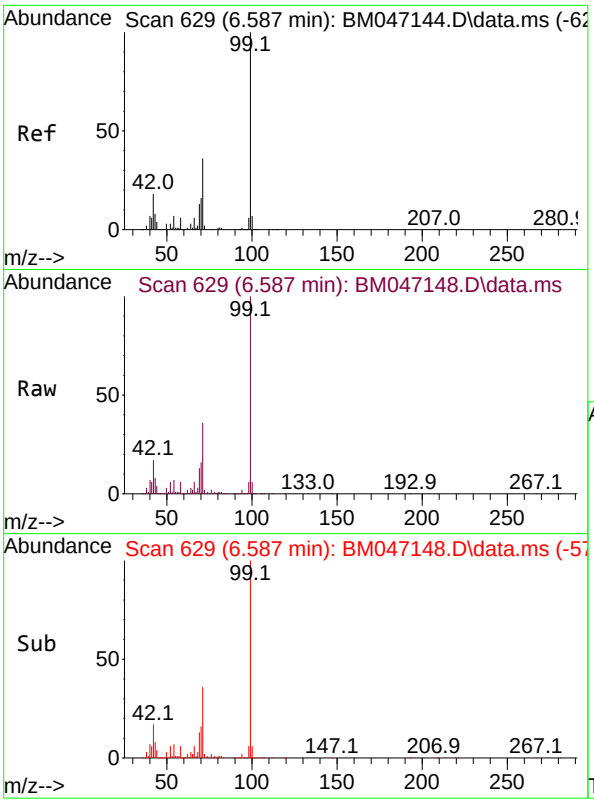


#6
Aniline
Concen: 39.104 ng
RT: 6.722 min Scan# 652
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion: 93 Resp: 844703

Ion	Ratio	Lower	Upper
93	100		
66	38.2	31.4	47.2
65	19.6	15.6	23.4



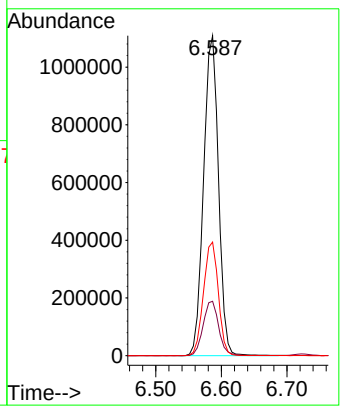


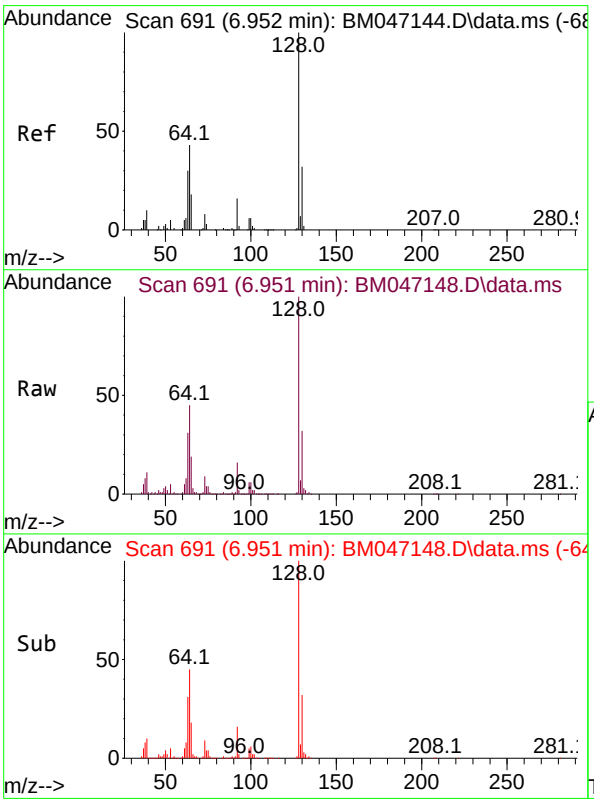
#7
Phenol-d6
Concen: 76.636 ng
RT: 6.587 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion: 99 Resp: 1751460

Ion	Ratio	Lower	Upper
99	100		
42	17.0	14.1	21.1
71	35.5	28.5	42.7

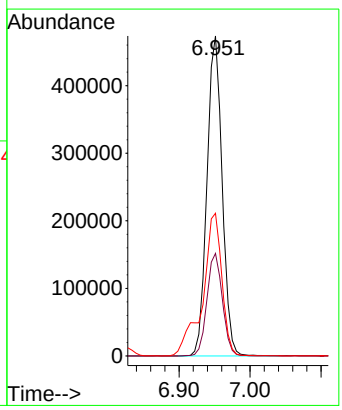


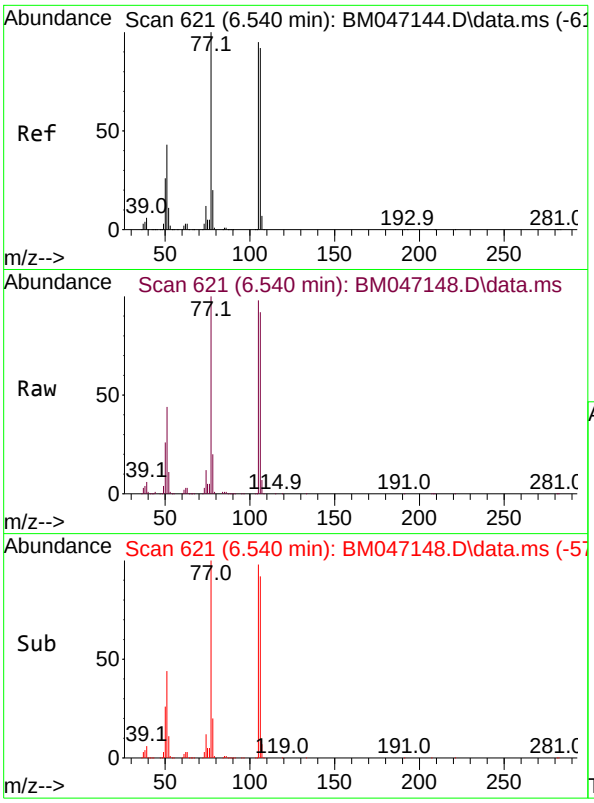


#8
2-Chlorophenol
Concen: 38.916 ng
RT: 6.951 min Scan# 691
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:128 Resp: 703988

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.1	52.1
64	44.6	26.6	66.6



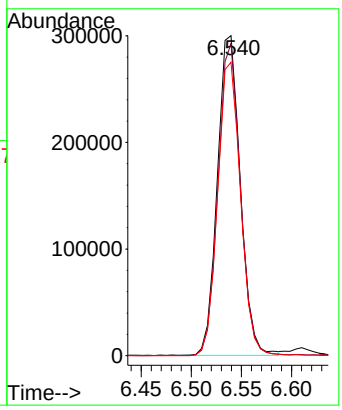


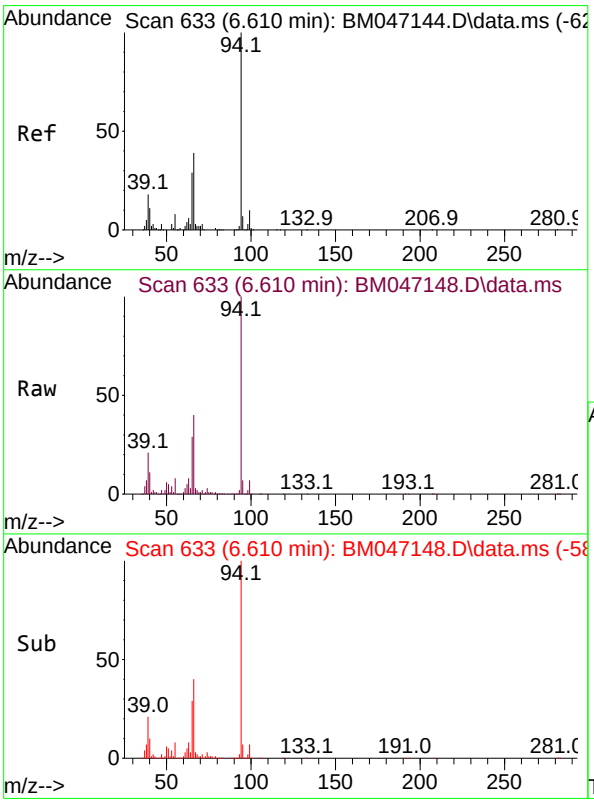
#9
Benzaldehyde
Concen: 39.535 ng
RT: 6.540 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion: 77 Resp: 476271

Ion	Ratio	Lower	Upper
77	100		
105	97.6	74.5	114.5
106	91.7	72.3	112.3

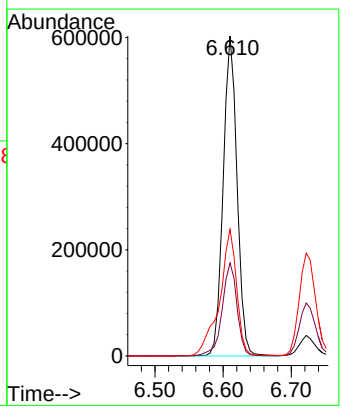


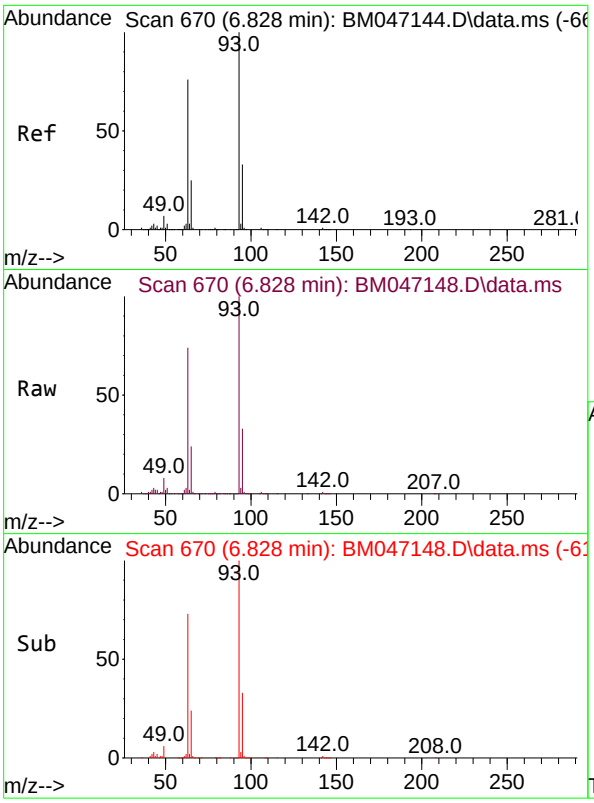


#10
Phenol
Concen: 37.549 ng
RT: 6.610 min Scan# 633
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion: 94 Resp: 856285

Ion	Ratio	Lower	Upper
94	100		
65	29.0	9.0	49.0
66	39.5	18.9	58.9



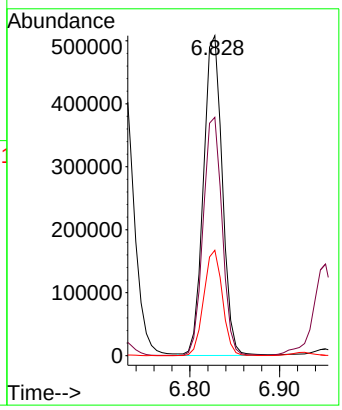


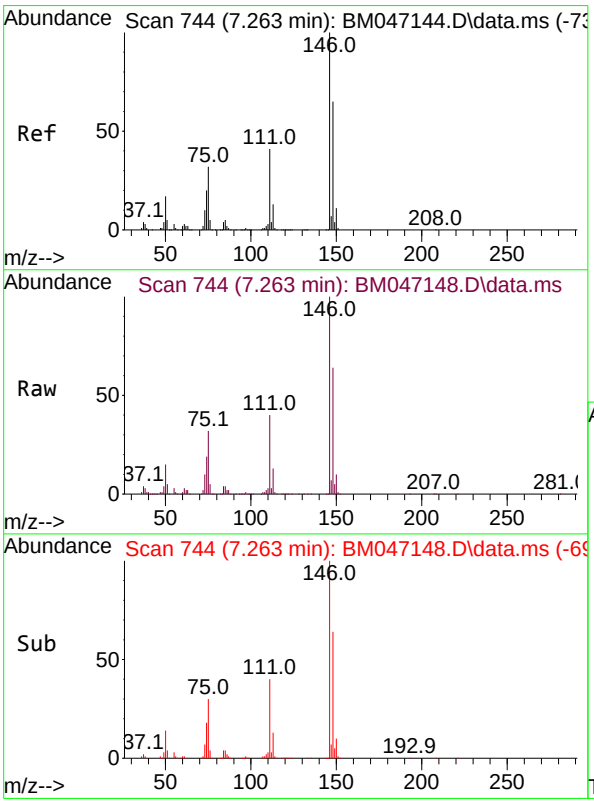
#11
bis(2-Chloroethyl)ether
Concen: 37.972 ng
RT: 6.828 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion: 93 Resp: 741565

Ion	Ratio	Lower	Upper
93	100		
63	74.5	55.8	95.8
95	32.9	12.7	52.7

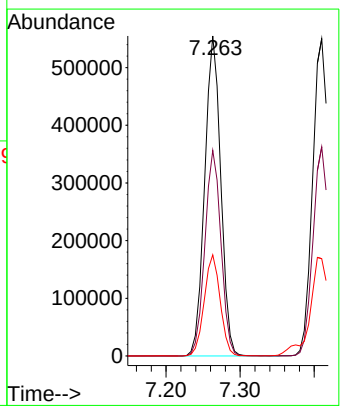


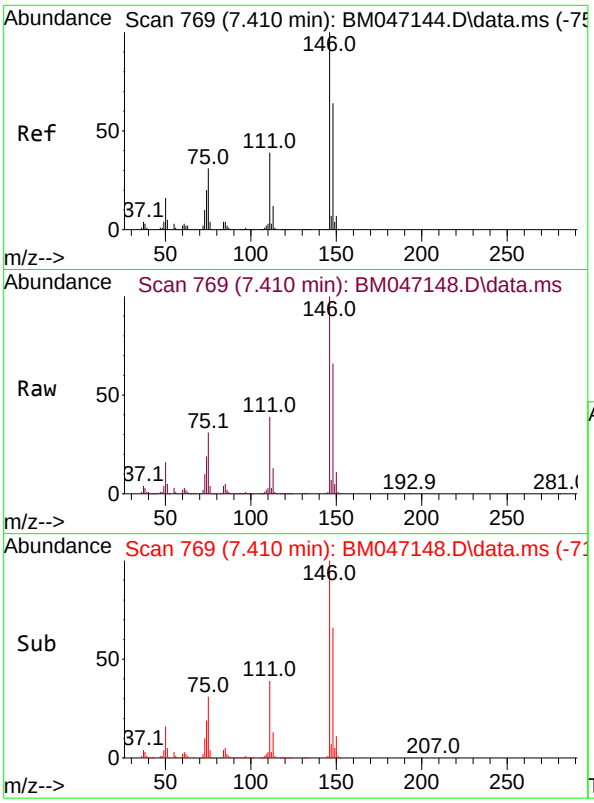


#12
1,3-Dichlorobenzene
Concen: 38.900 ng
RT: 7.263 min Scan# 744
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:146 Resp: 836221

Ion	Ratio	Lower	Upper
146	100		
148	64.3	52.3	78.5
75	31.6	25.8	38.6



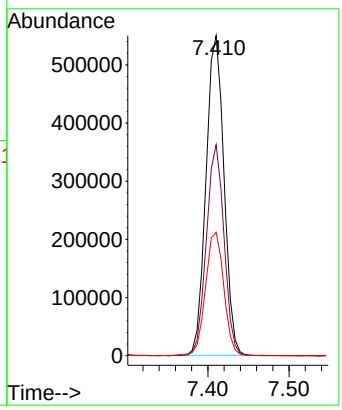


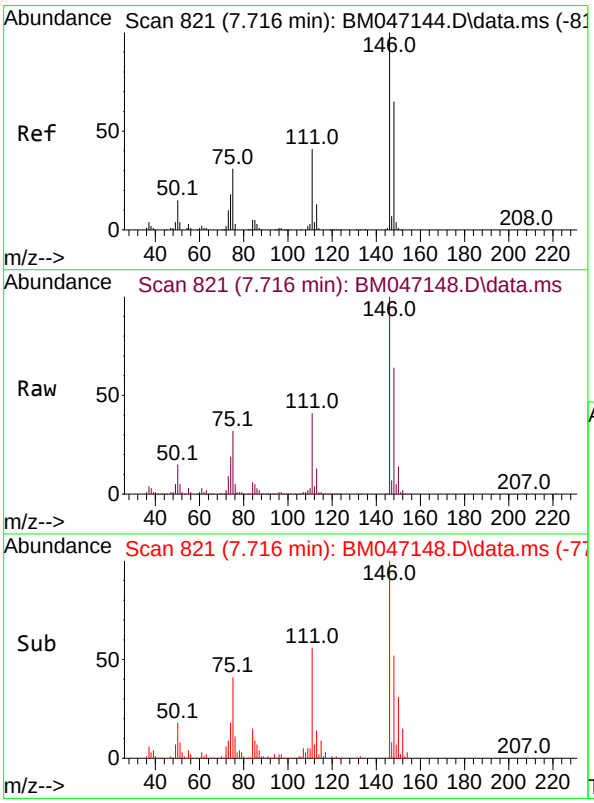
#13
1,4-Dichlorobenzene
Concen: 38.844 ng
RT: 7.410 min Scan# 7(
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:146 Resp: 845433

Ion	Ratio	Lower	Upper
146	100		
148	65.9	51.4	77.2
111	38.5	31.5	47.3

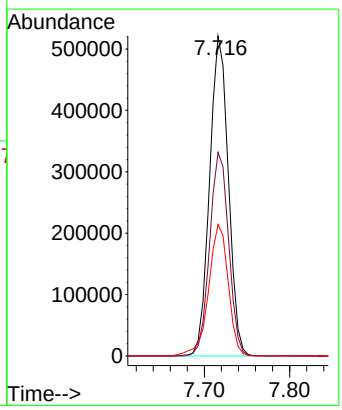


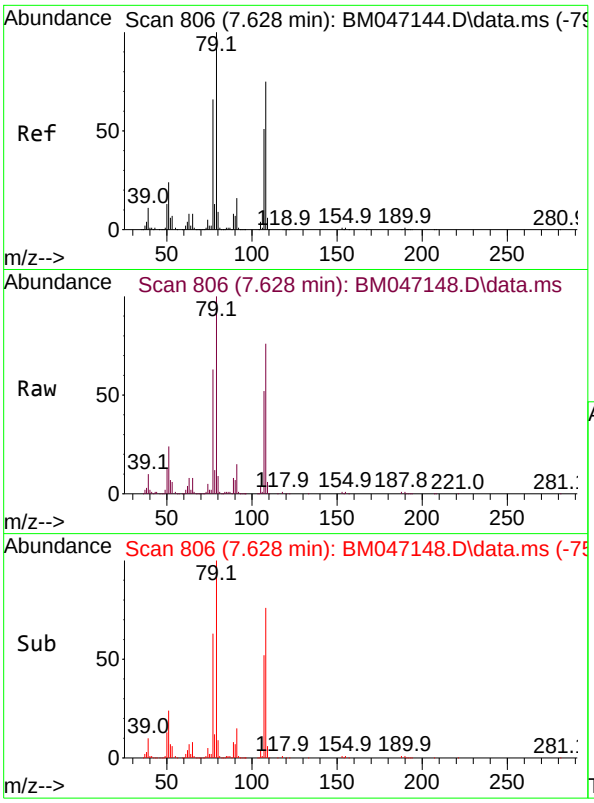


#14
1,2-Dichlorobenzene
Concen: 38.744 ng
RT: 7.716 min Scan# 821
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:146 Resp: 795642

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.8	77.8
111	41.1	33.3	49.9



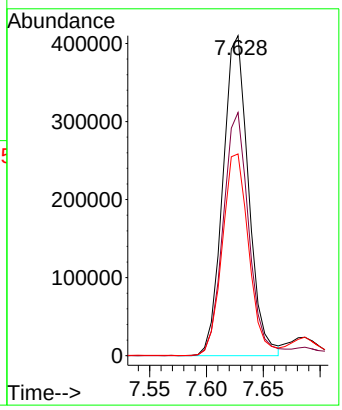


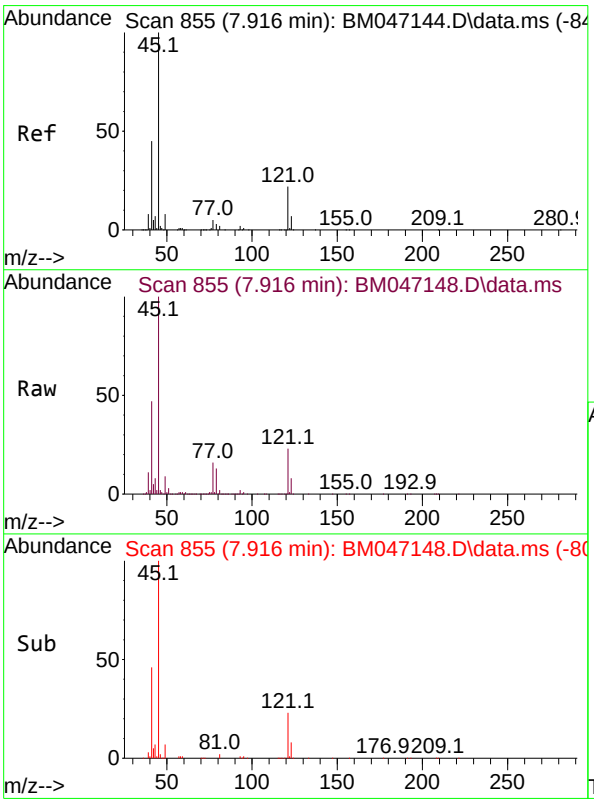
#15
Benzyl Alcohol
Concen: 39.581 ng
RT: 7.628 min Scan# 80
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion: 79 Resp: 643803

Ion	Ratio	Lower	Upper
79	100		
108	76.0	59.7	89.5
77	63.1	52.9	79.3

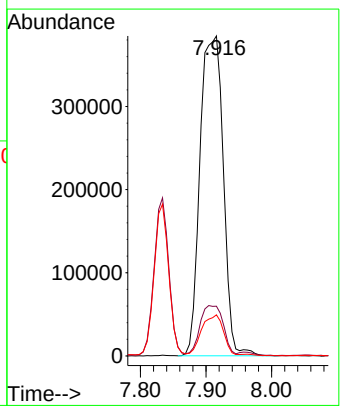


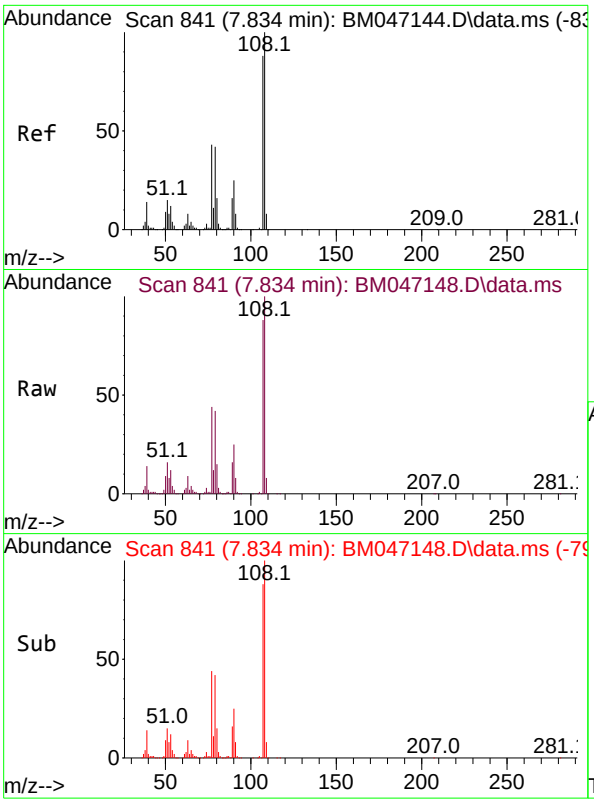


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.800 ng
RT: 7.916 min Scan# 855
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion: 45 Resp: 947270

Ion	Ratio	Lower	Upper
45	100		
77	15.5	0.0	35.6
79	12.8	0.0	32.4



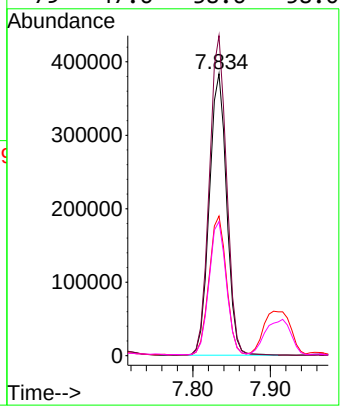


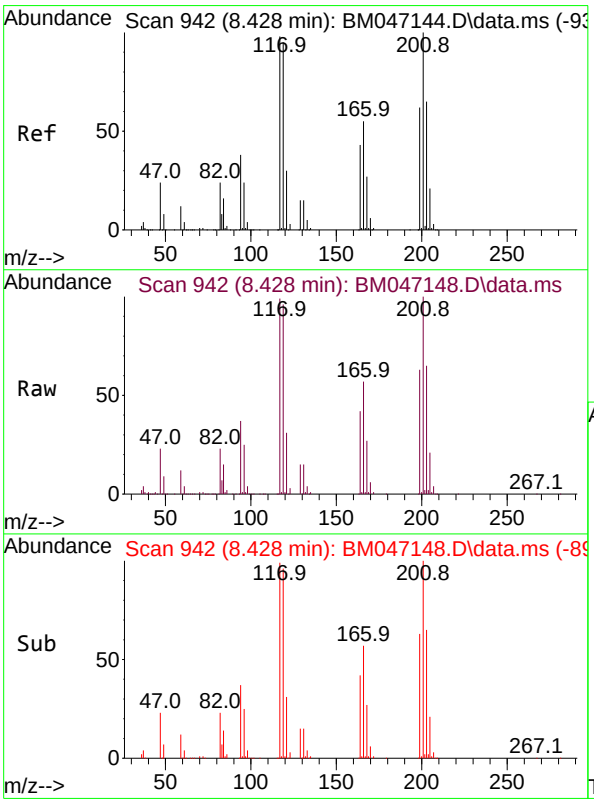
#17
2-Methylphenol
Concen: 39.168 ng
RT: 7.834 min Scan# 84
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:107 Resp: 595894

Ion	Ratio	Lower	Upper
107	100		
108	113.5	90.6	135.8
77	49.5	39.3	58.9
79	47.6	38.6	58.0

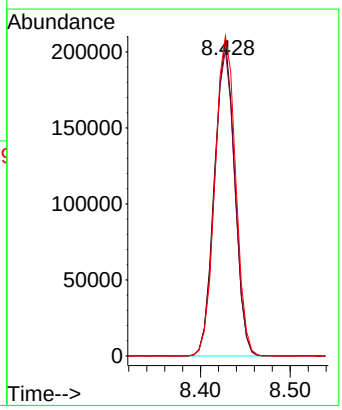


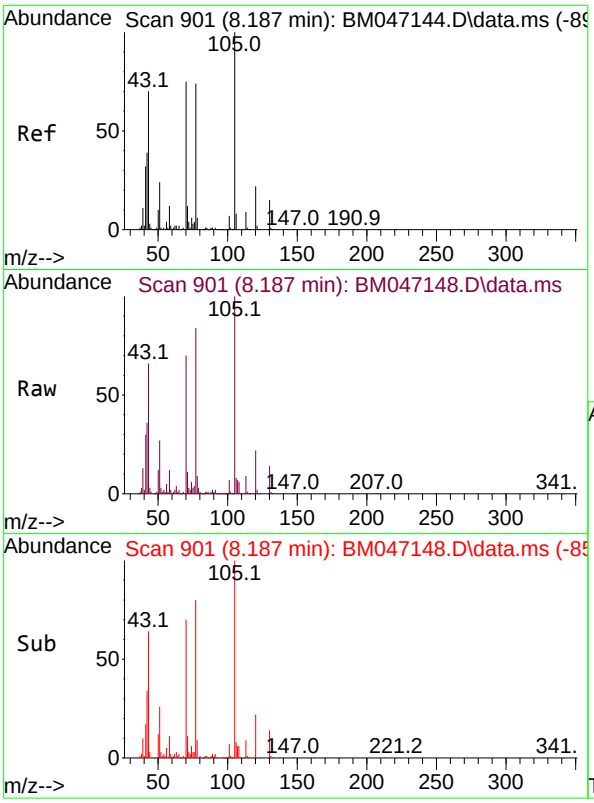


#18
Hexachloroethane
Concen: 38.447 ng
RT: 8.428 min Scan# 942
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:117 Resp: 324138

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.0	115.4
201	101.3	81.3	121.9



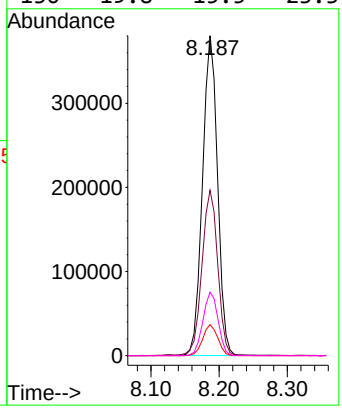


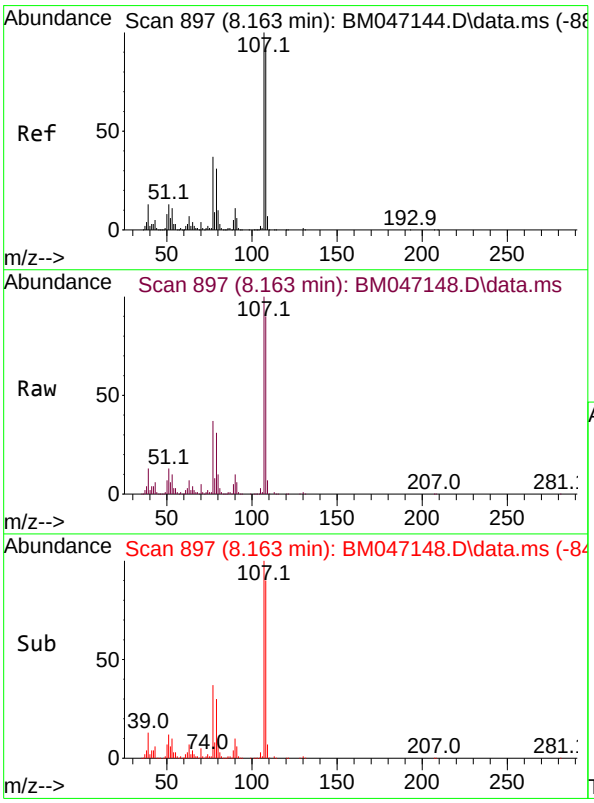
#19
n-Nitroso-di-n-propylamine
Concen: 37.864 ng
RT: 8.187 min Scan# 90
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion: 70 Resp: 582895

Ion	Ratio	Lower	Upper
70	100		
42	51.7	42.0	63.0
101	9.7	7.2	10.8
130	19.8	15.5	23.3

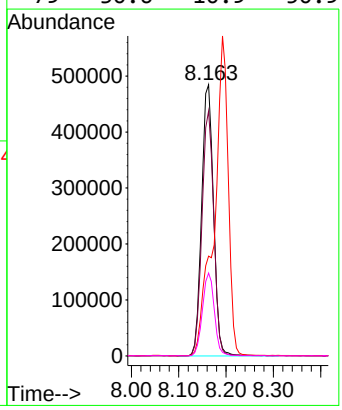


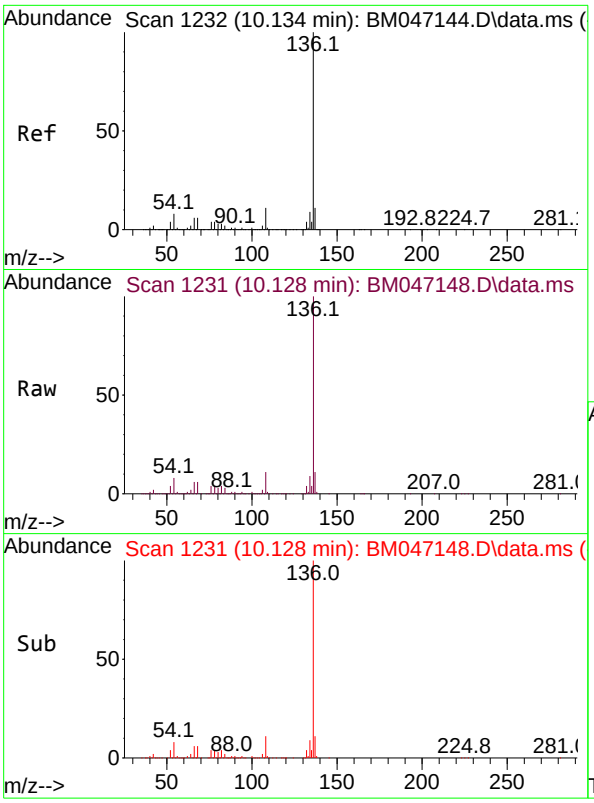


#20
3+4-Methylphenols
Concen: 39.723 ng
RT: 8.163 min Scan# 897
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:107 Resp: 844879

Ion	Ratio	Lower	Upper
107	100		
108	90.3	70.7	110.7
77	36.8	17.4	57.4
79	30.6	10.9	50.9



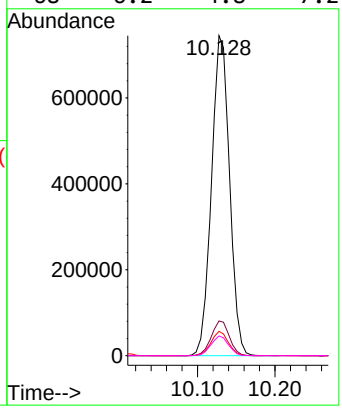


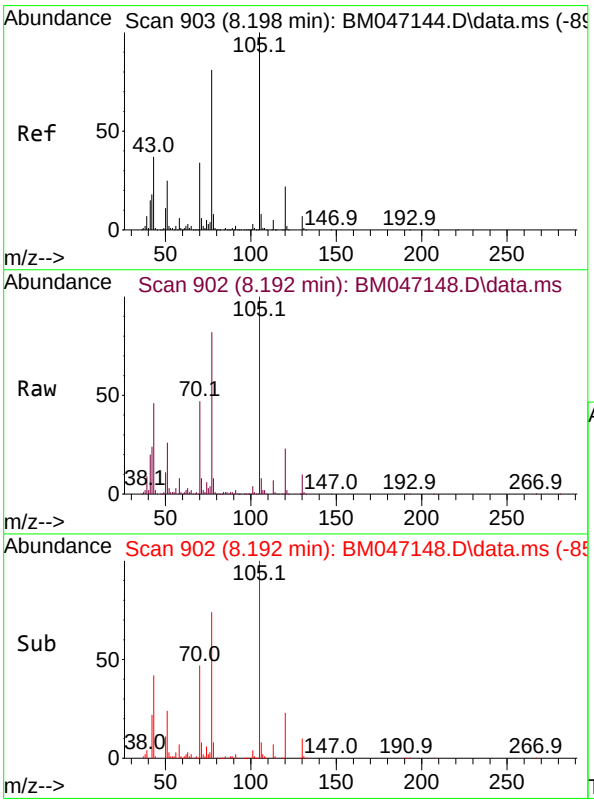
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:136 Resp: 1206414

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.6	6.0	9.0
68	6.2	4.8	7.2

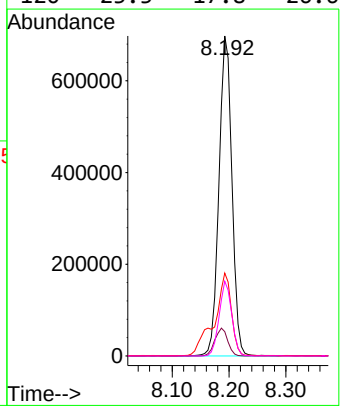


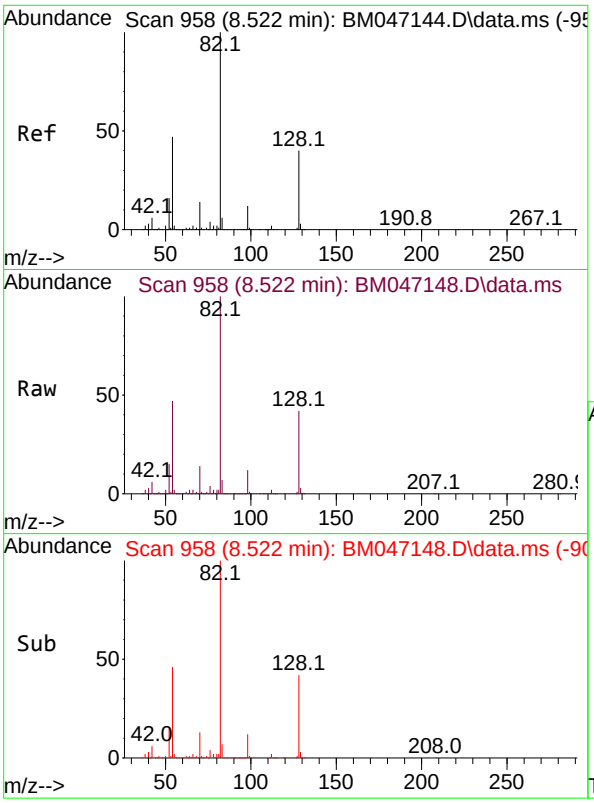


#22
Acetophenone
Concen: 38.108 ng
RT: 8.192 min Scan# 902
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:105 Resp: 1109726

Ion	Ratio	Lower	Upper
105	100		
71	7.6	4.5	6.7#
51	25.9	20.1	30.1
120	23.3	17.8	26.6



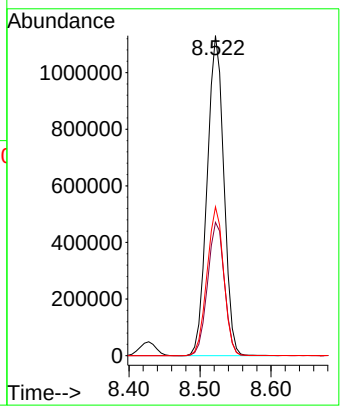


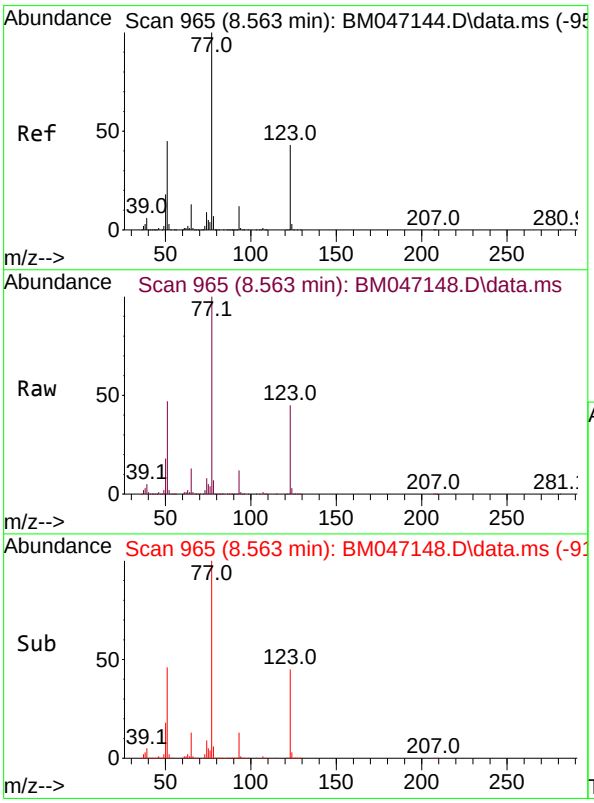
#23
Nitrobenzene-d5
Concen: 77.088 ng
RT: 8.522 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion: 82 Resp: 1846961

Ion	Ratio	Lower	Upper
82	100		
128	41.6	32.3	48.5
54	46.5	37.4	56.2

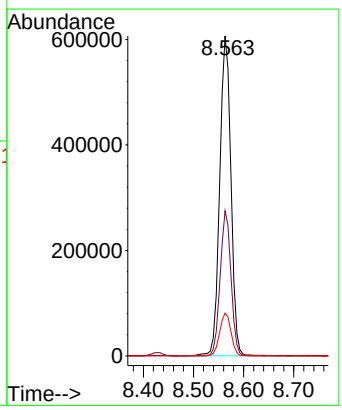


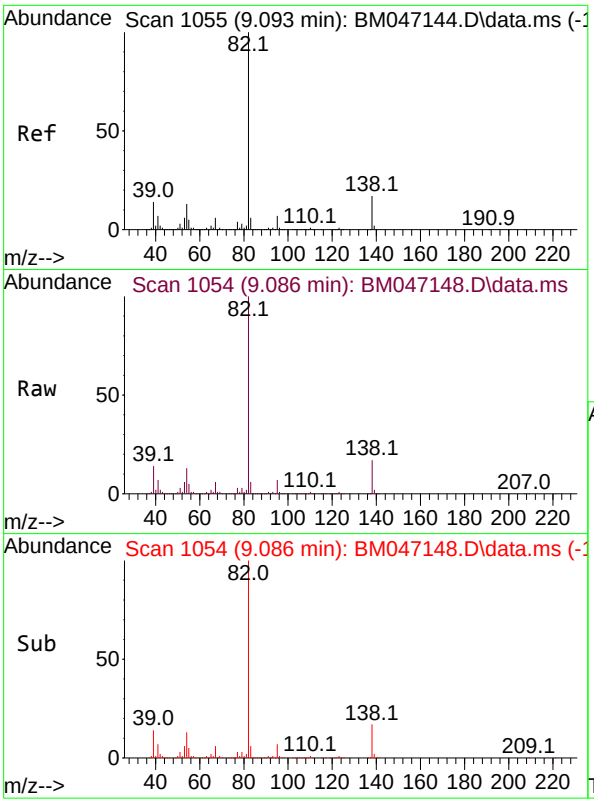


#24
Nitrobenzene
Concen: 38.978 ng
RT: 8.563 min Scan# 965
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion: 77 Resp: 940366

Ion	Ratio	Lower	Upper
77	100		
123	45.3	34.0	51.0
65	13.4	10.5	15.7



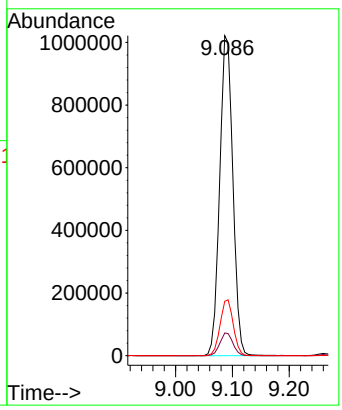


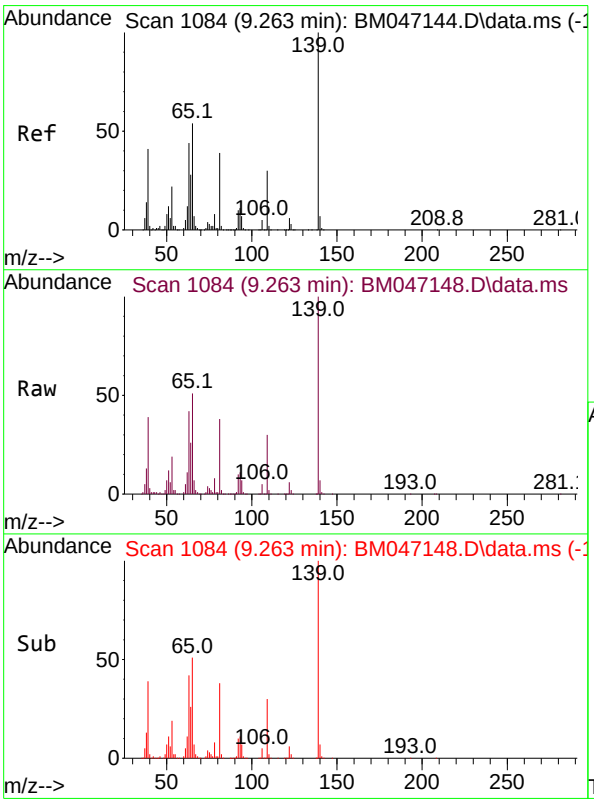
#25
Isophorone
Concen: 39.554 ng
RT: 9.086 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion: 82 Resp: 1650061

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.5	8.3
138	17.0	13.5	20.3

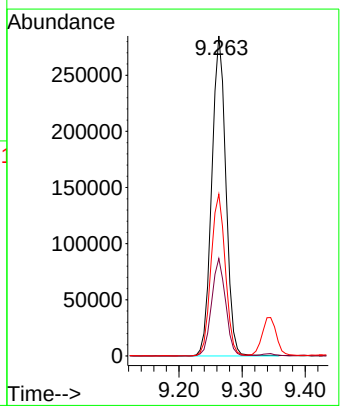


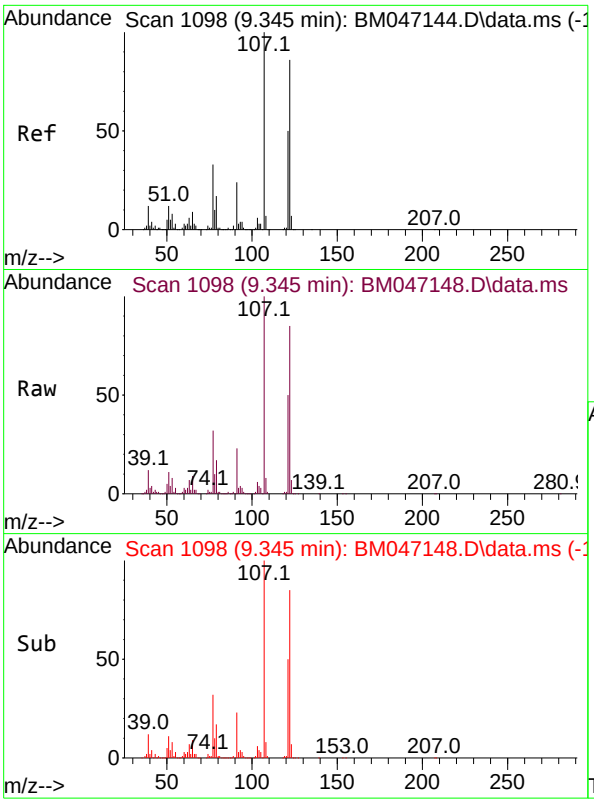


#26
2-Nitrophenol
Concen: 41.274 ng
RT: 9.263 min Scan# 1084
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:139 Resp: 440983

Ion	Ratio	Lower	Upper
139	100		
109	30.4	24.4	36.6
65	50.6	43.0	64.6



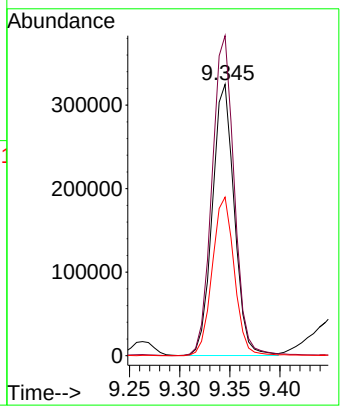


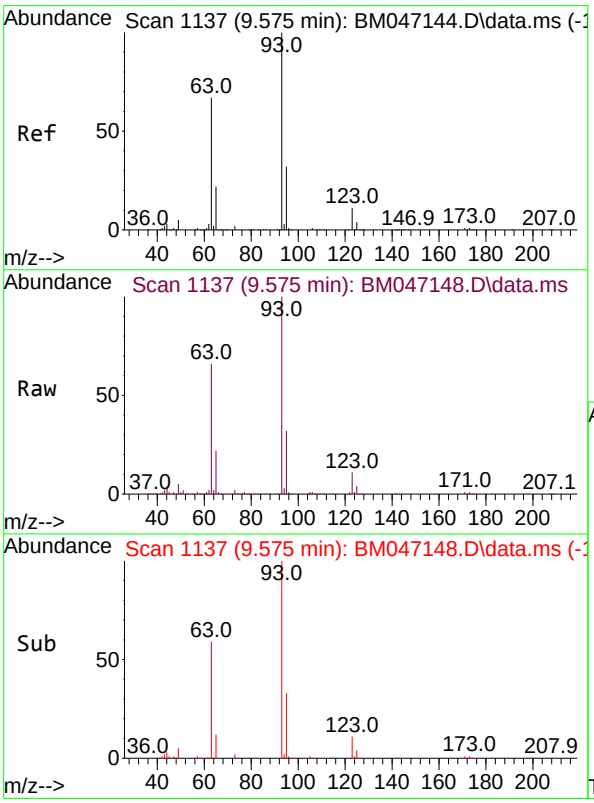
#27
2,4-Dimethylphenol
Concen: 39.547 ng
RT: 9.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:122 Resp: 494953

Ion	Ratio	Lower	Upper
122	100		
107	117.9	92.8	139.2
121	58.4	46.1	69.1

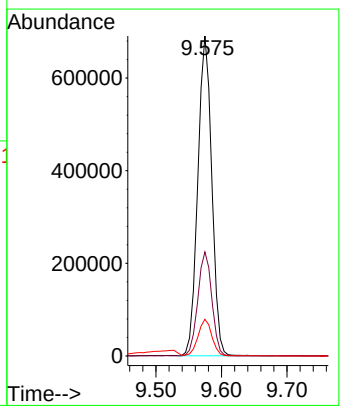


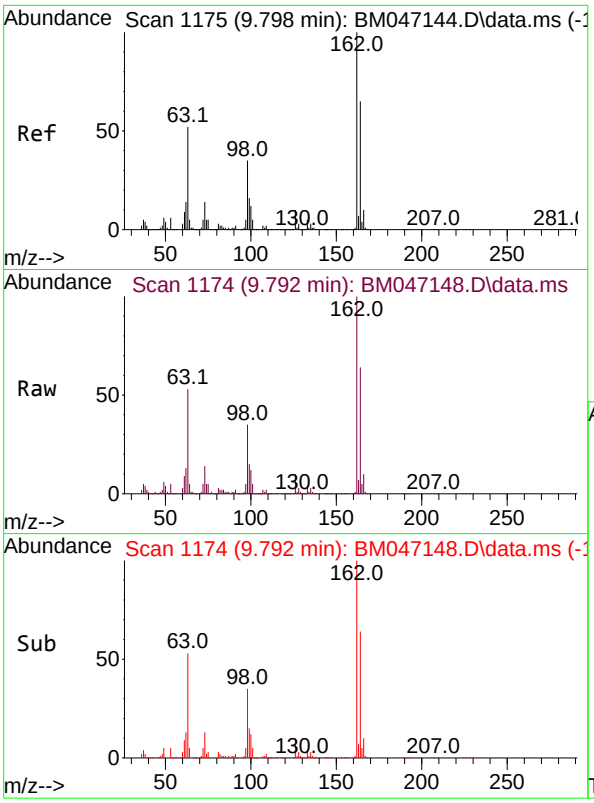


#28
bis(2-Chloroethoxy)methane
Concen: 39.022 ng
RT: 9.575 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion: 93 Resp: 1024303

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	11.4	9.0	13.4



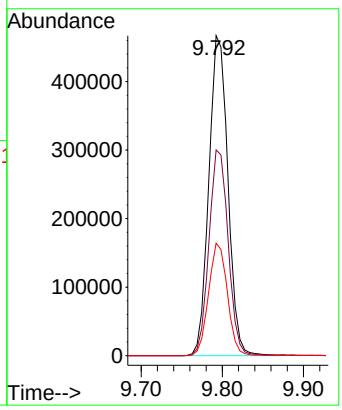


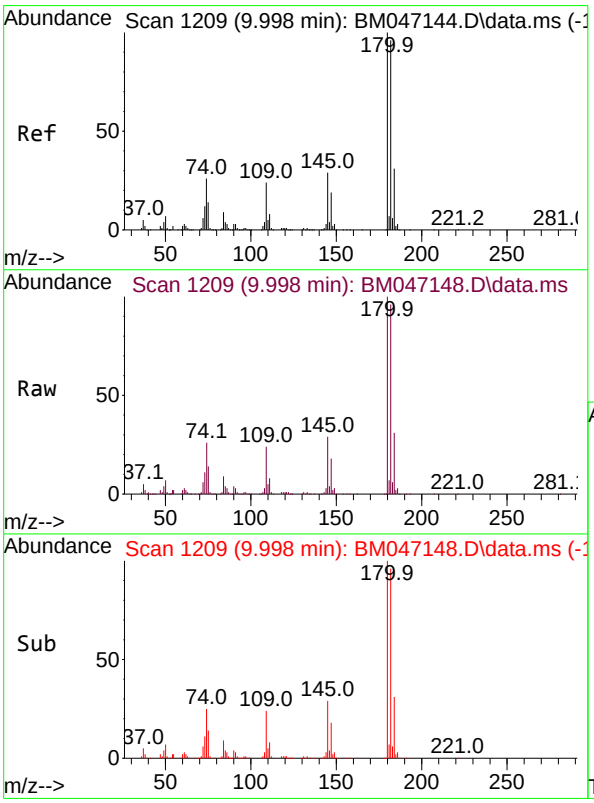
#29
2,4-Dichlorophenol
Concen: 40.983 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:162 Resp: 761049

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.7	84.7
98	35.1	14.9	54.9

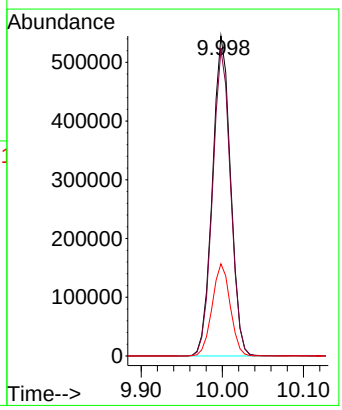


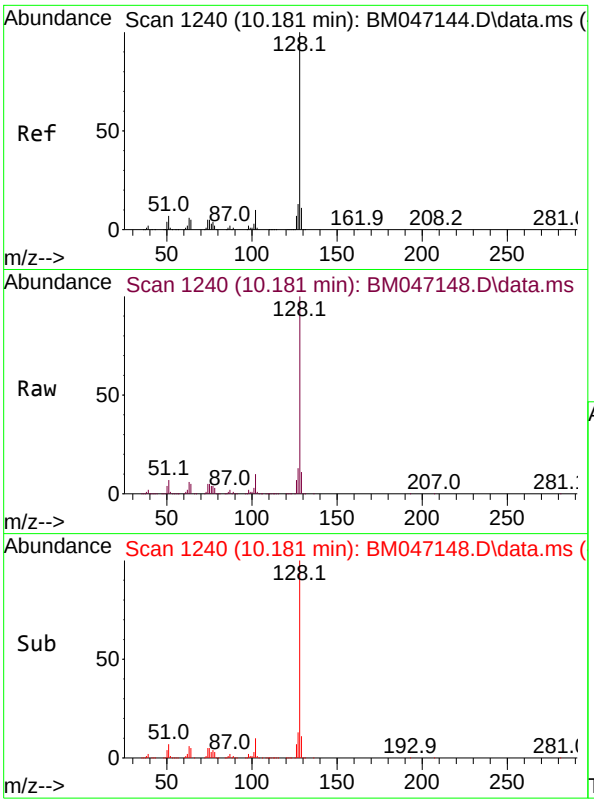


#30
1,2,4-Trichlorobenzene
Concen: 40.261 ng
RT: 9.998 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:180 Resp: 846099

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
145	28.8	23.4	35.2



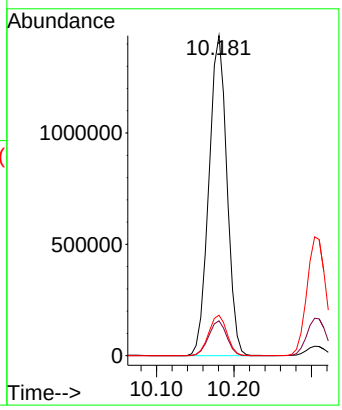


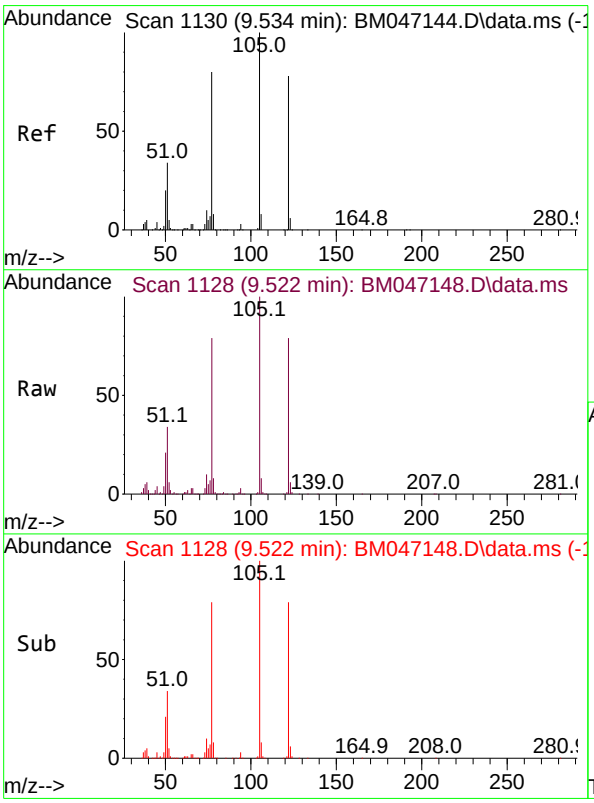
#31
Naphthalene
Concen: 38.564 ng
RT: 10.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:128 Resp: 2317673

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.7	10.2	15.4

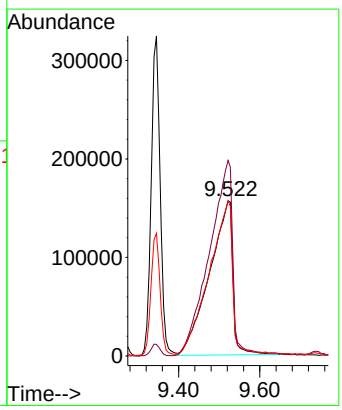


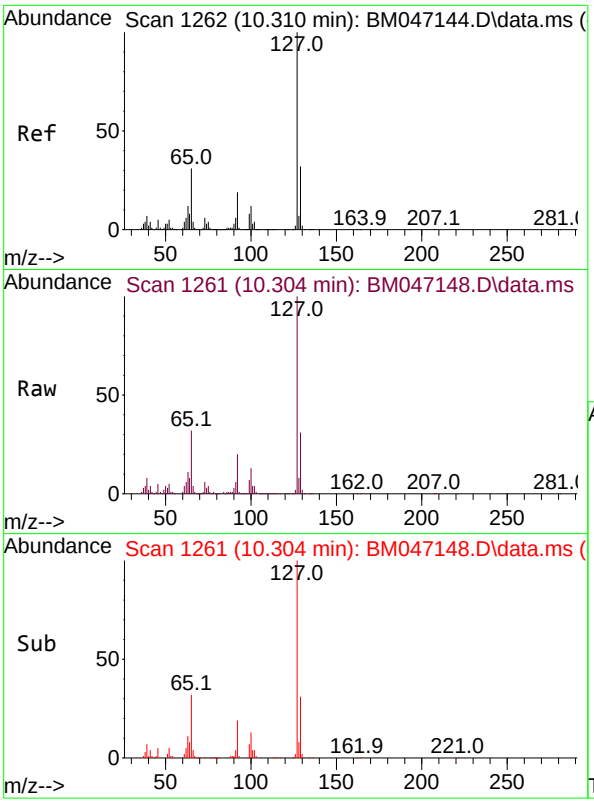


#32
Benzoic acid
Concen: 43.072 ng
RT: 9.522 min Scan# 1128
Delta R.T. -0.012 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:122 Resp: 626290

Ion	Ratio	Lower	Upper
122	100		
105	126.1	107.1	147.1
77	100.0	82.1	122.1



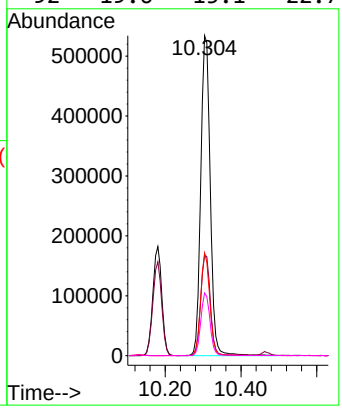


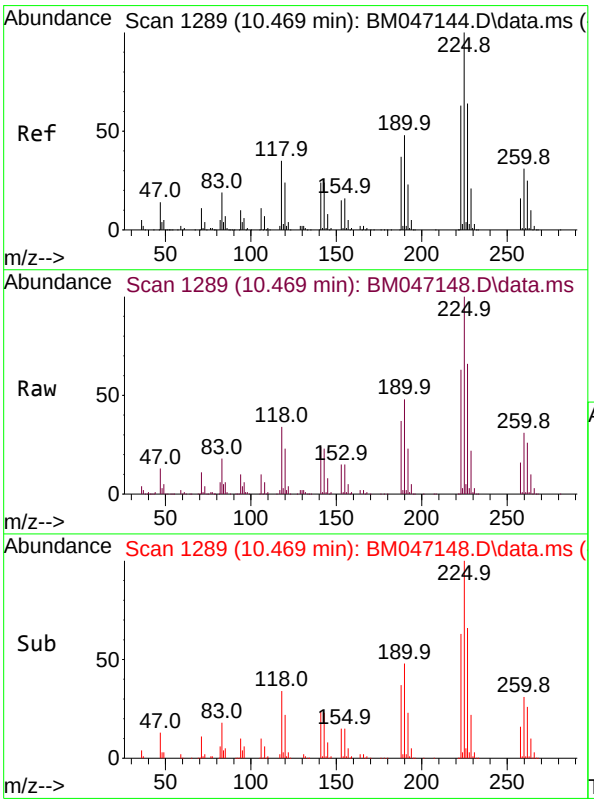
#33
4-Chloroaniline
Concen: 40.265 ng
RT: 10.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:127 Resp: 930580

Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.8	38.8
65	32.1	24.9	37.3
92	19.6	15.1	22.7

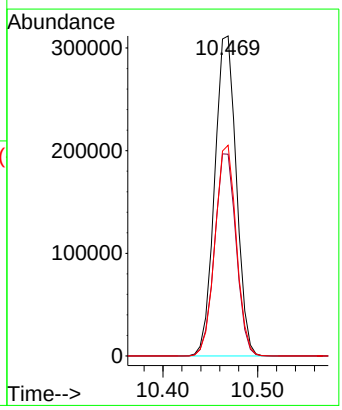


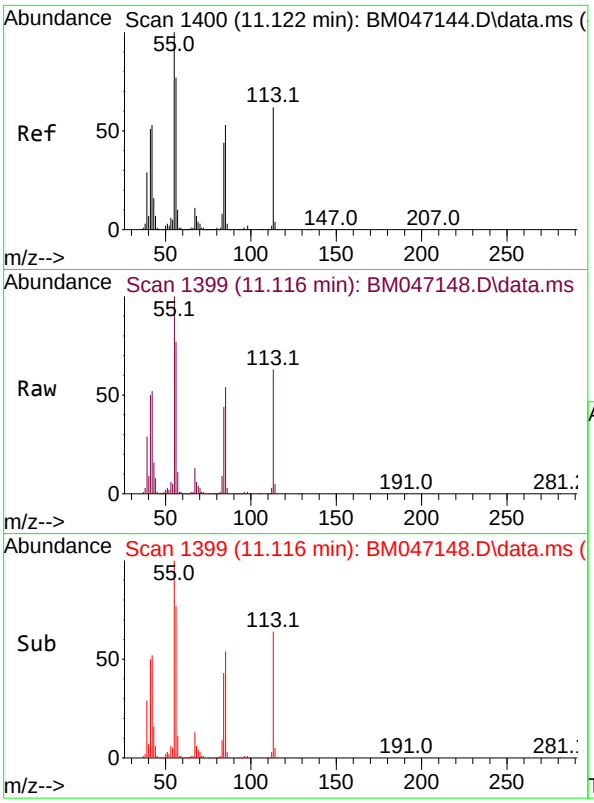


#34
Hexachlorobutadiene
Concen: 40.254 ng
RT: 10.469 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:225 Resp: 495141

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.2	75.2
227	65.9	51.4	77.0



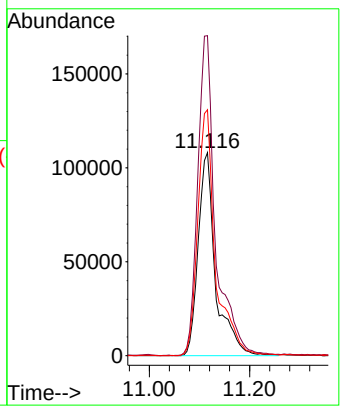


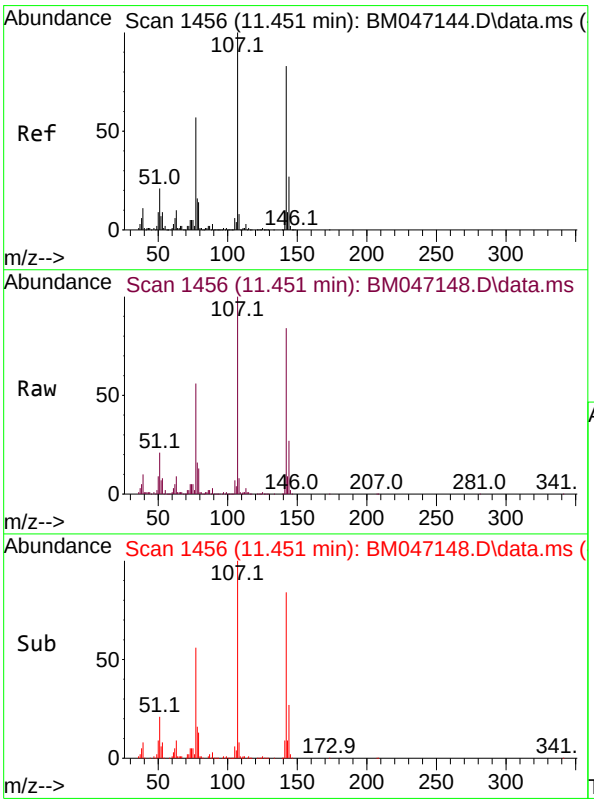
#35
Caprolactam
Concen: 40.543 ng
RT: 11.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:113 Resp: 261463

Ion	Ratio	Lower	Upper
113	100		
55	157.5	140.5	180.5
56	121.0	103.6	143.6

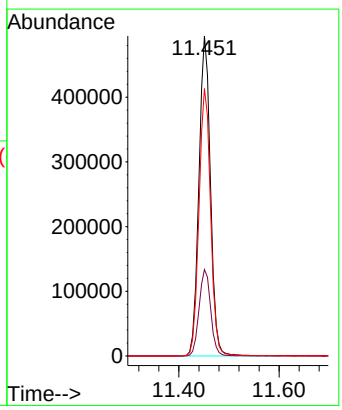


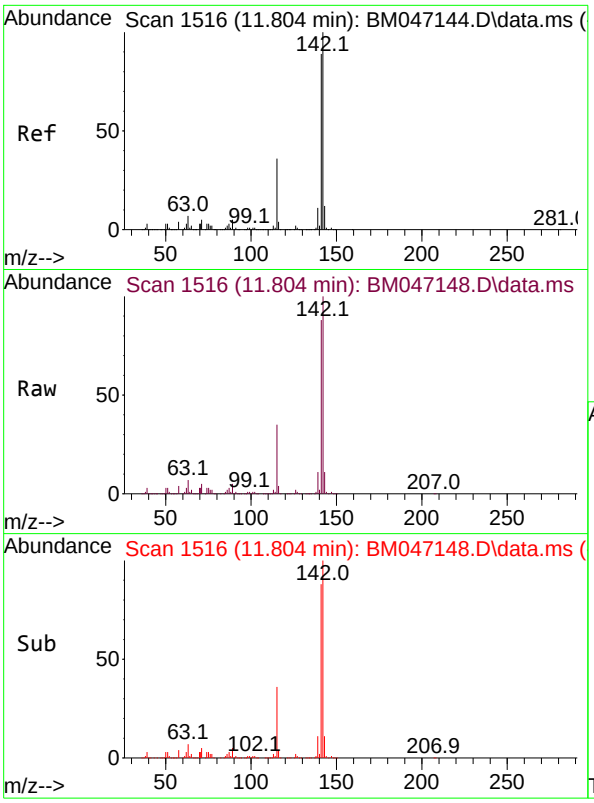


#36
4-Chloro-3-methylphenol
Concen: 39.811 ng
RT: 11.451 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:107 Resp: 787338

Ion	Ratio	Lower	Upper
107	100		
144	27.0	21.8	32.6
142	83.5	66.8	100.2



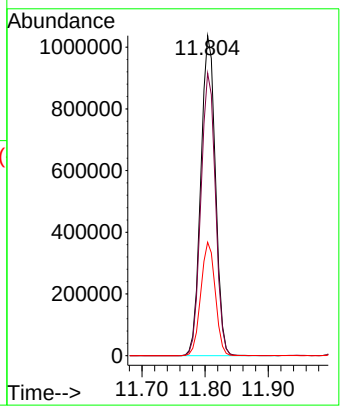


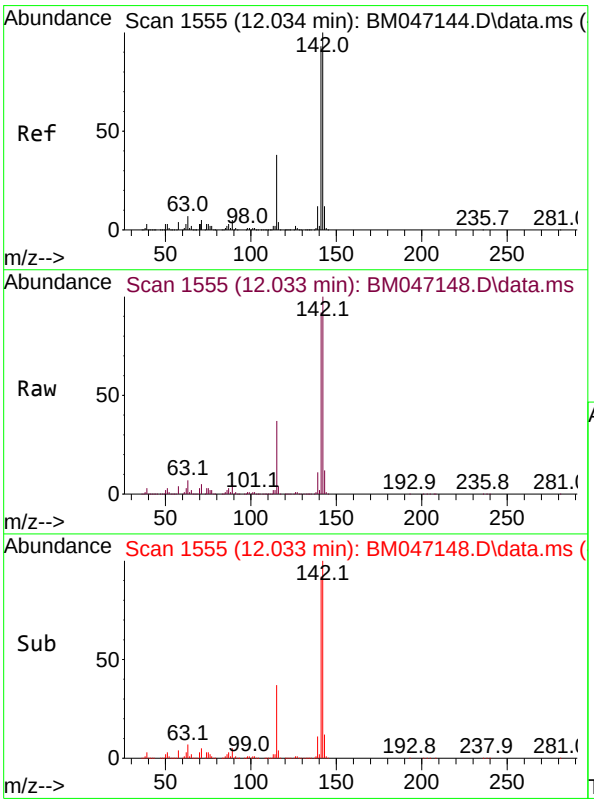
#37
2-Methylnaphthalene
Concen: 38.968 ng
RT: 11.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:142 Resp: 1667488

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.9	106.3
115	35.5	28.7	43.1

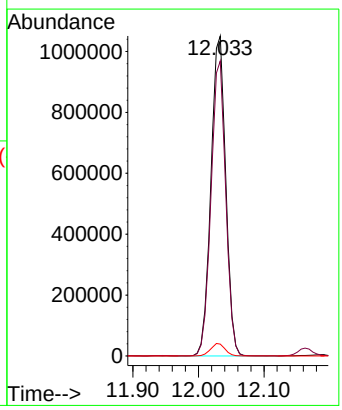


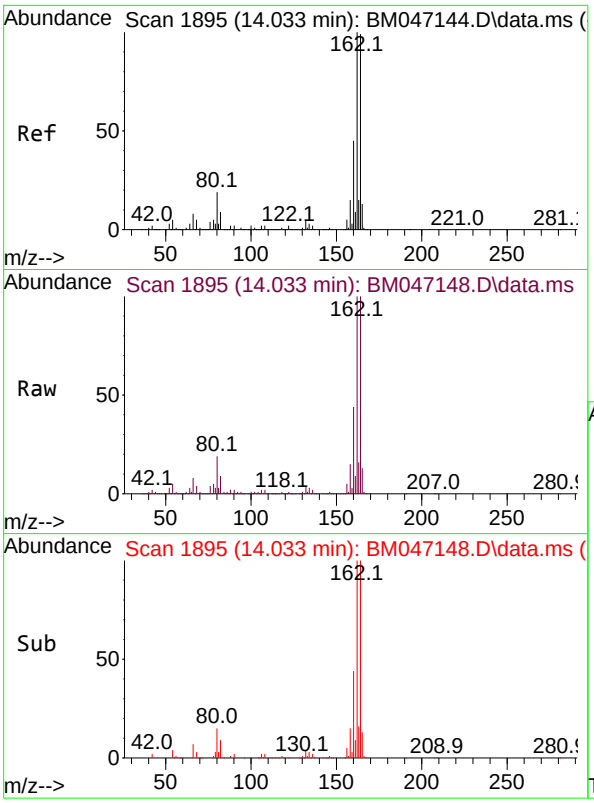


#38
1-Methylnaphthalene
Concen: 38.877 ng
RT: 12.033 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:142 Resp: 1644135

Ion	Ratio	Lower	Upper
142	100		
141	92.2	74.6	111.8
116	3.7	3.1	4.7



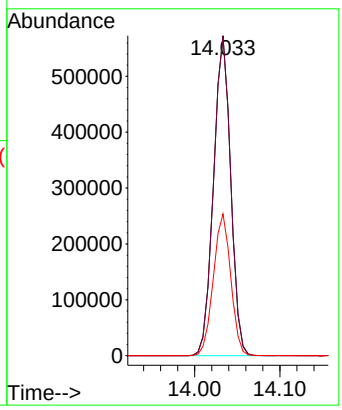


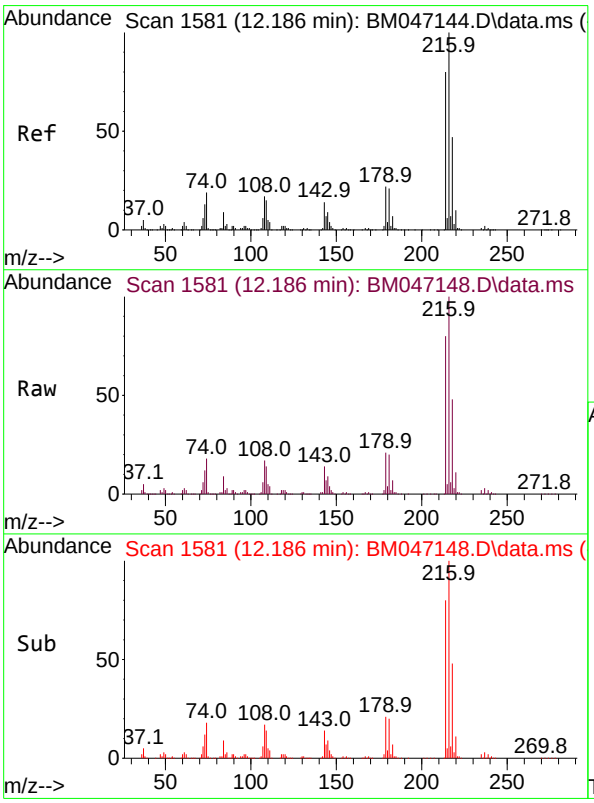
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:164 Resp: 800129

Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.7	121.1
160	44.3	36.0	54.0

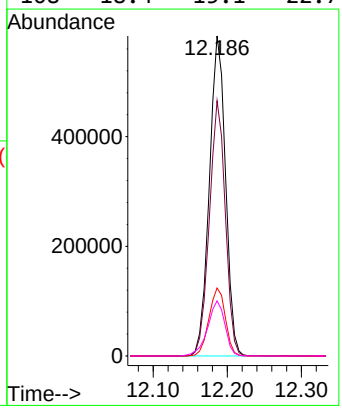


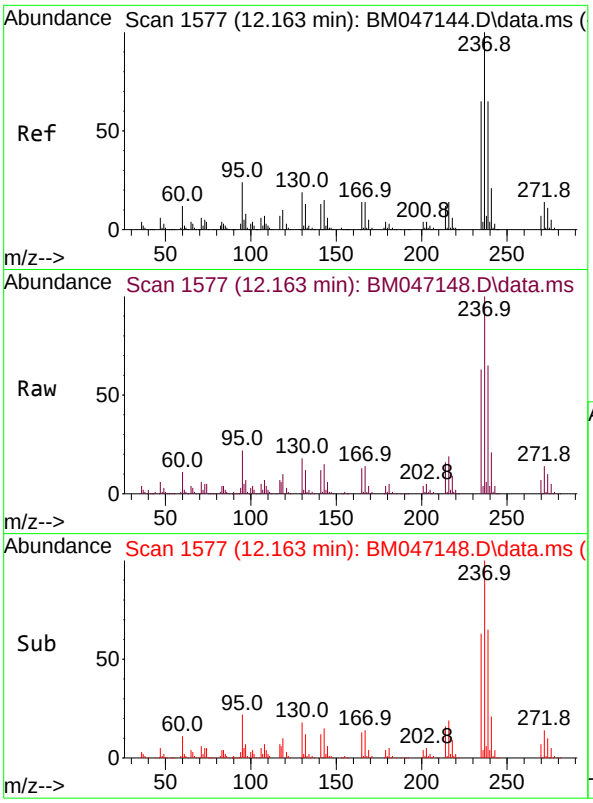


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.555 ng
RT: 12.186 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:216 Resp: 885065

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.4	95.2
179	21.5	17.6	26.4
108	18.4	15.1	22.7



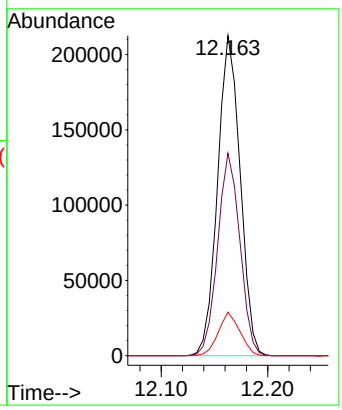


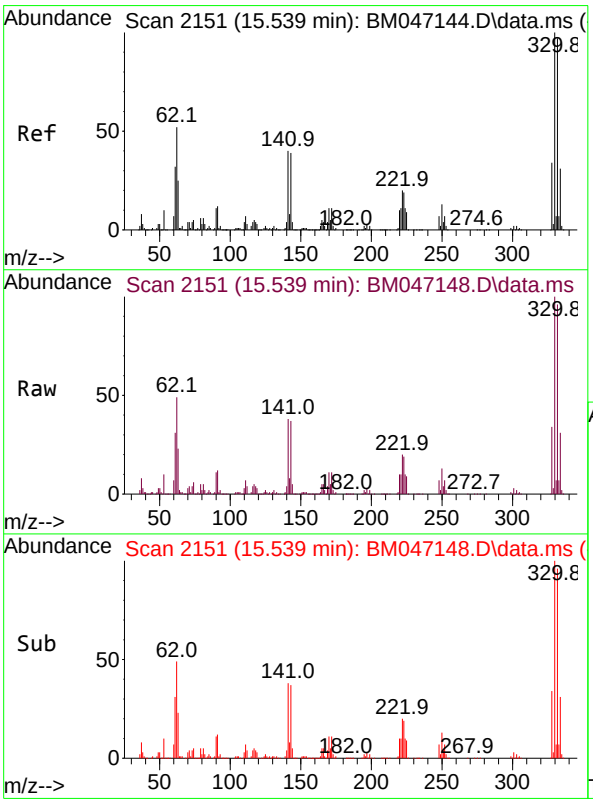
#41
Hexachlorocyclopentadiene
Concen: 41.042 ng
RT: 12.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:237 Resp: 312767

Ion	Ratio	Lower	Upper
237	100		
235	63.3	44.8	84.8
272	13.6	0.0	33.5

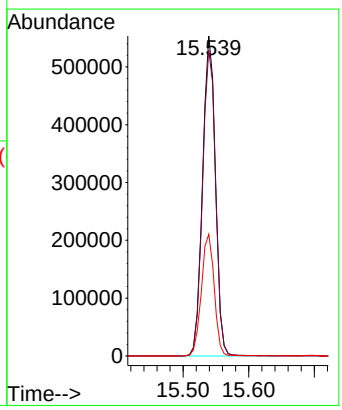


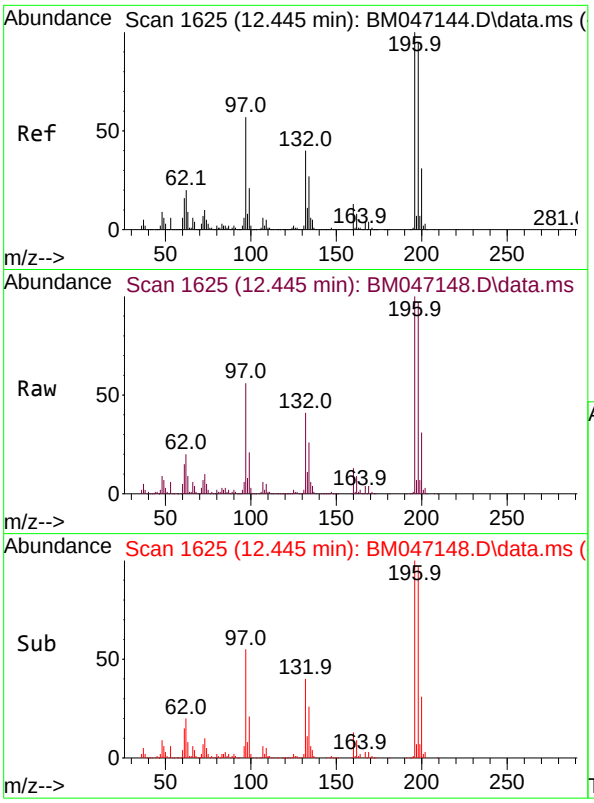


#42
2,4,6-Tribromophenol
Concen: 81.608 ng
RT: 15.539 min Scan# 2151
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:330 Resp: 757124

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.4	116.2
141	38.1	31.6	47.4



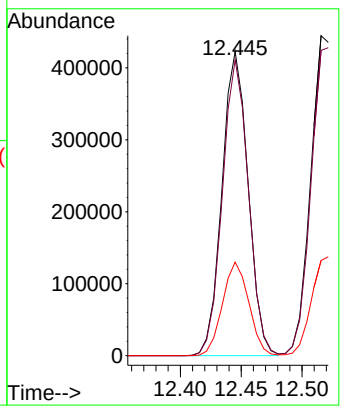


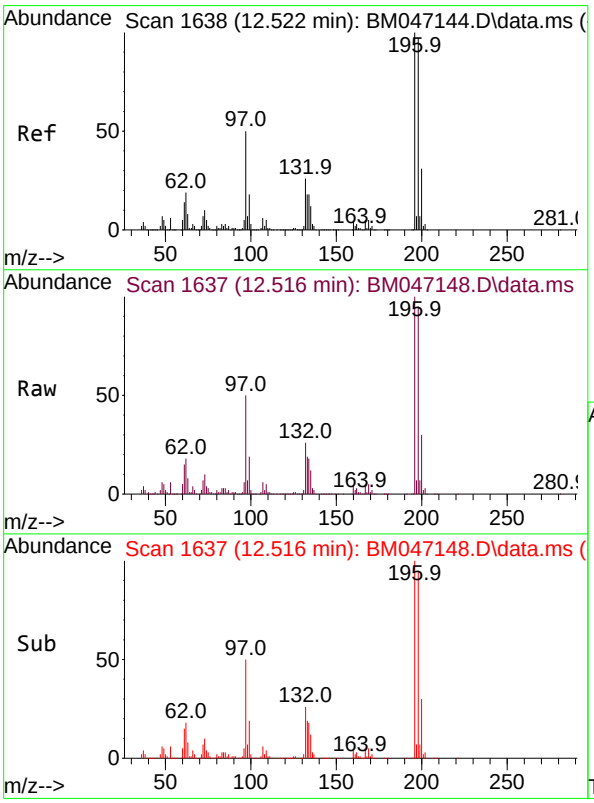
#43
2,4,6-Trichlorophenol
Concen: 40.777 ng
RT: 12.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:196 Resp: 632529

Ion	Ratio	Lower	Upper
196	100		
198	97.3	75.6	113.4
200	30.8	24.6	37.0

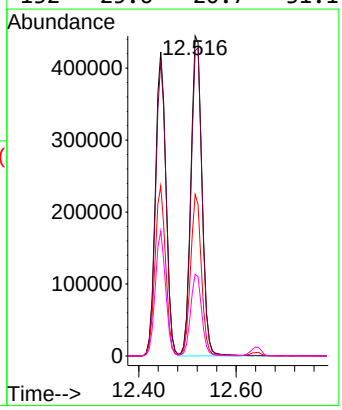


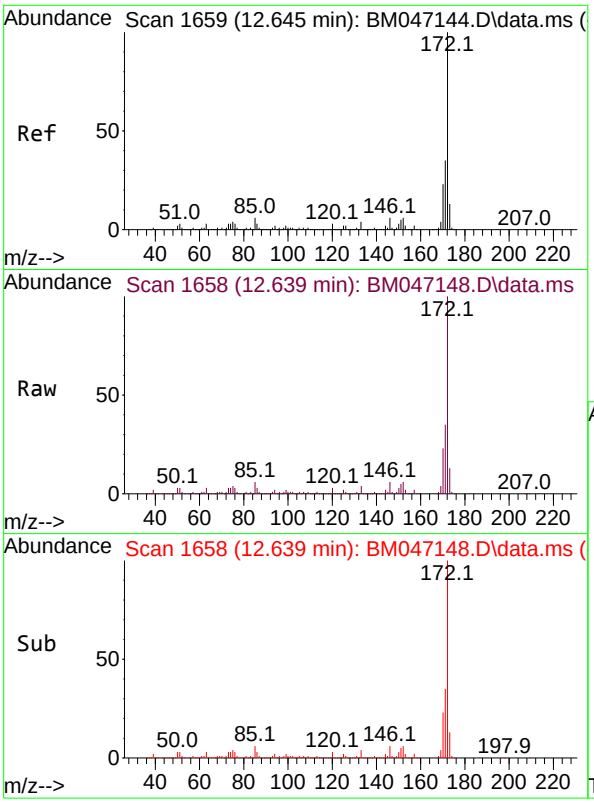


#44
2,4,5-Trichlorophenol
Concen: 41.066 ng
RT: 12.516 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:196 Resp: 707267

Ion	Ratio	Lower	Upper
196	100		
198	95.4	77.7	116.5
97	50.5	39.8	59.8
132	25.6	20.7	31.1



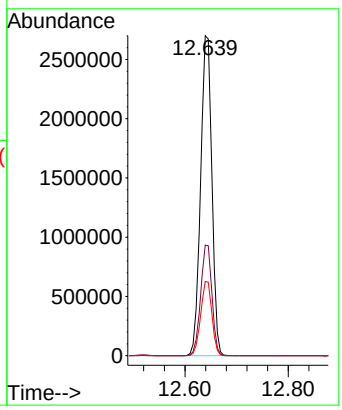


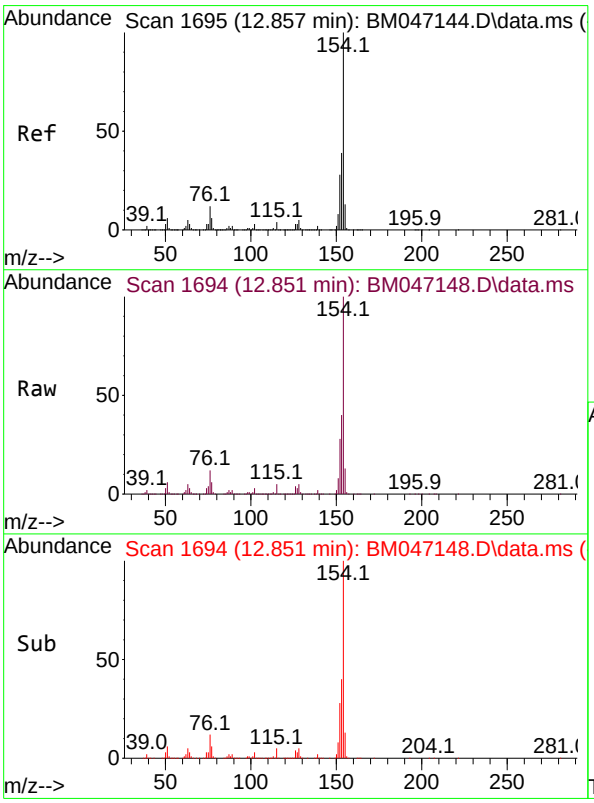
#45
2-Fluorobiphenyl
Concen: 78.722 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:172 Resp: 4083420

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	23.2	18.7	28.1

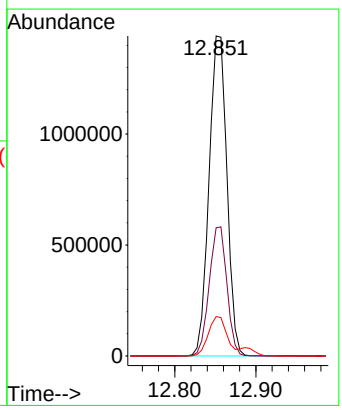


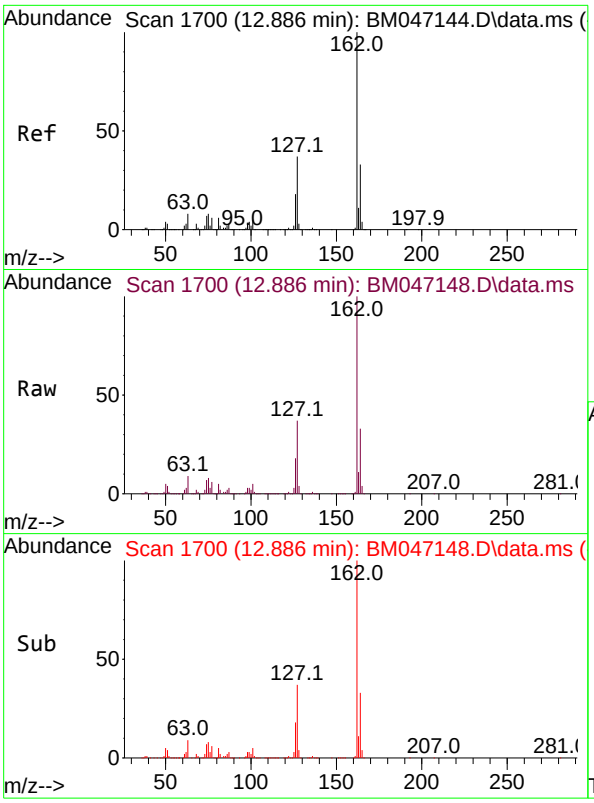


#46
1,1'-Biphenyl
Concen: 38.622 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:154 Resp: 2199985

Ion	Ratio	Lower	Upper
154	100		
153	40.1	19.0	59.0
76	12.3	0.0	31.9



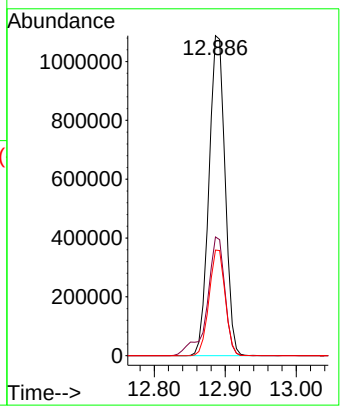


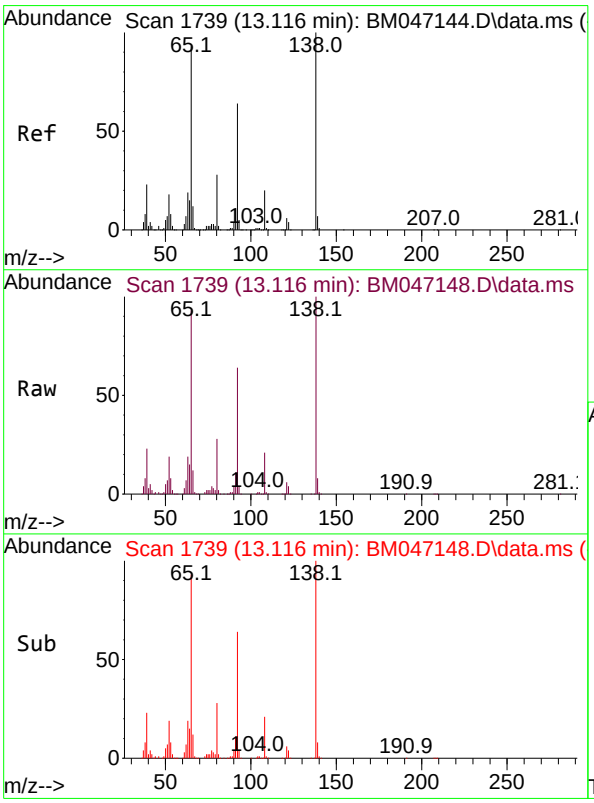
#47
2-Chloronaphthalene
Concen: 38.460 ng
RT: 12.886 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:162 Resp: 1712308

Ion	Ratio	Lower	Upper
162	100		
127	37.1	30.0	45.0
164	33.0	26.3	39.5

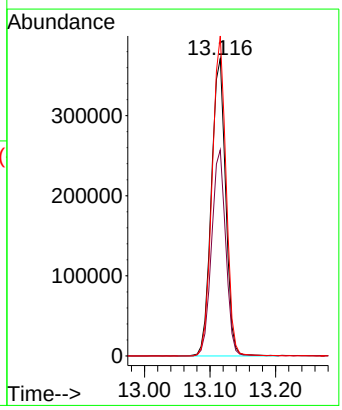


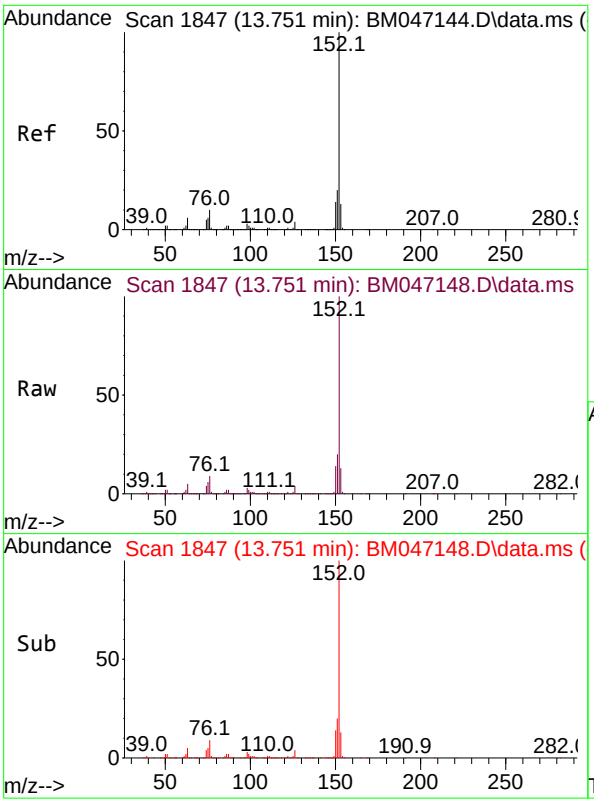


#48
2-Nitroaniline
Concen: 40.230 ng
RT: 13.116 min Scan# 1739
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion: 65 Resp: 561121

Ion	Ratio	Lower	Upper
65	100		
92	69.3	55.1	82.7
138	107.6	85.9	128.9



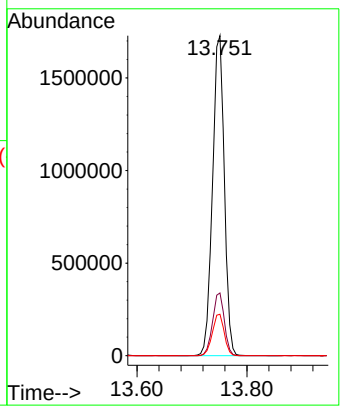


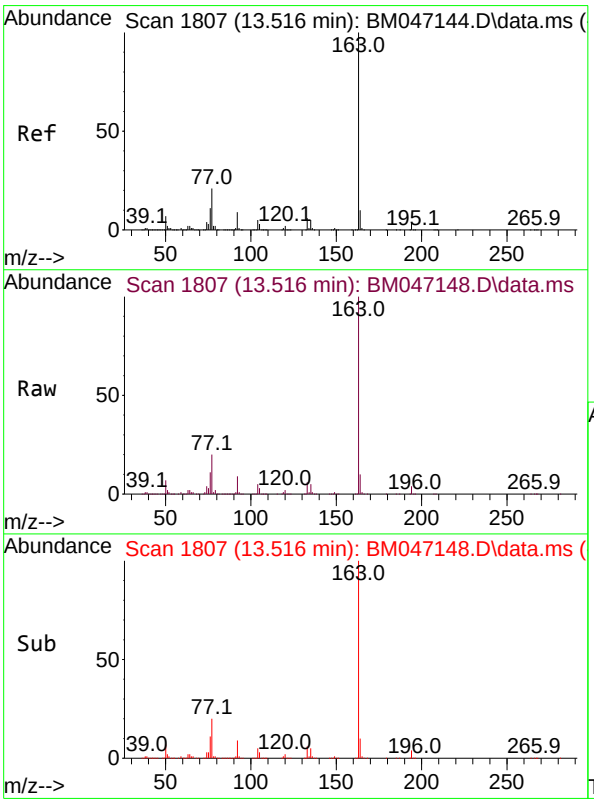
#49
Acenaphthylene
Concen: 39.270 ng
RT: 13.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:152 Resp: 2577143

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	12.9	10.4	15.6

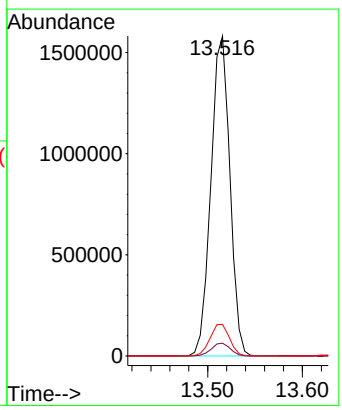


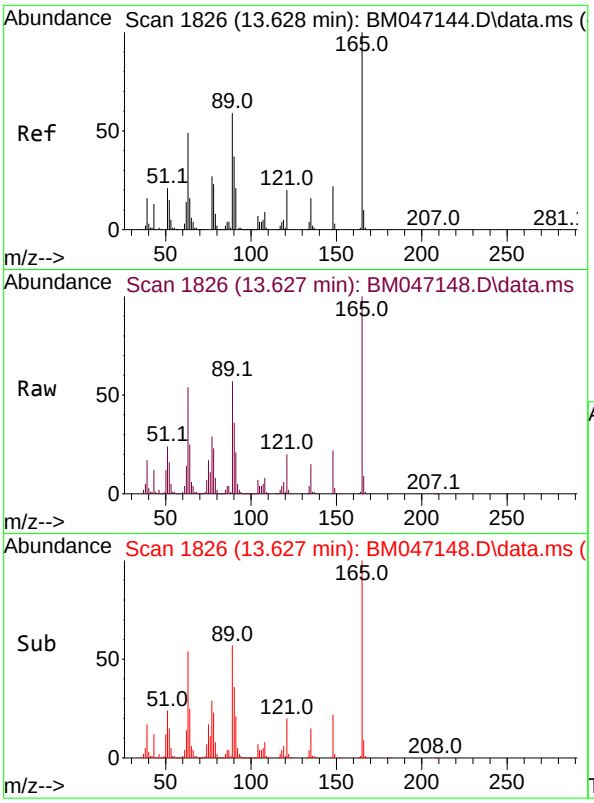


#50
Dimethylphthalate
Concen: 39.364 ng
RT: 13.516 min Scan# 1807
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:163 Resp: 2199717

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	9.8	8.0	12.0



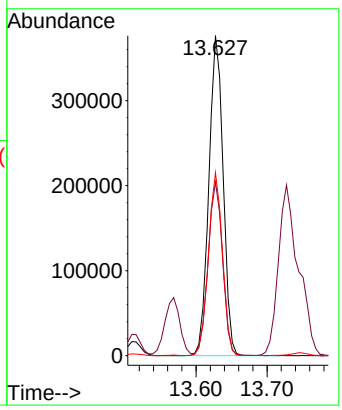


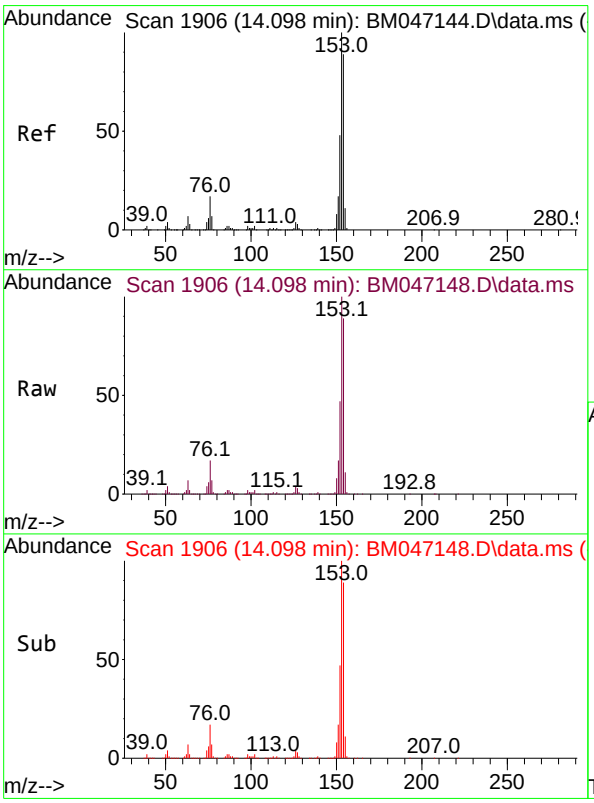
#51
2,6-Dinitrotoluene
Concen: 40.338 ng
RT: 13.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:165 Resp: 526940

Ion	Ratio	Lower	Upper
165	100		
63	54.3	46.5	69.7
89	57.2	47.3	70.9

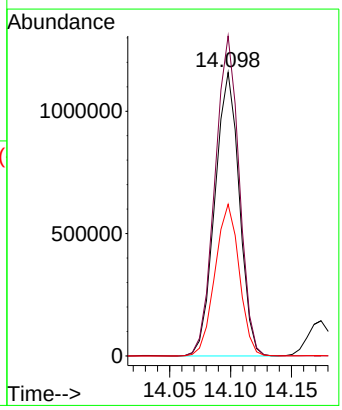


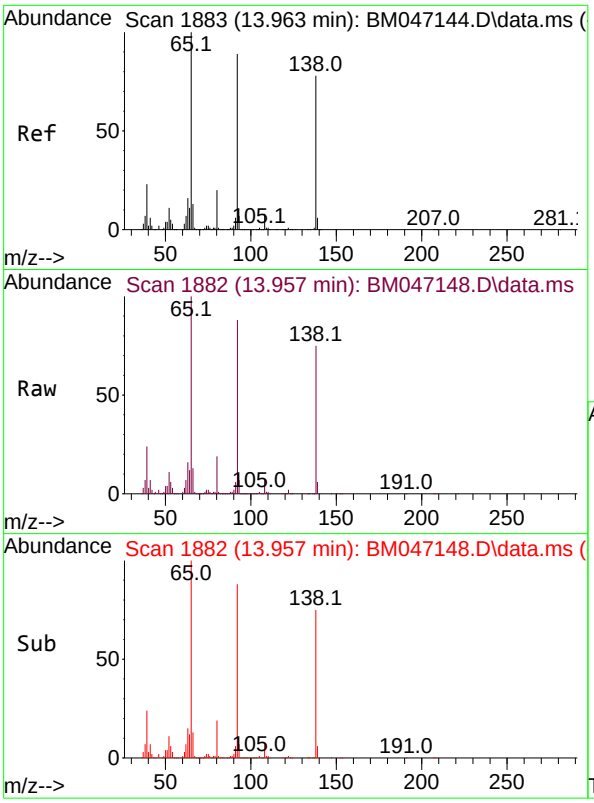


#52
Acenaphthene
Concen: 38.828 ng
RT: 14.098 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:154 Resp: 1616361

Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.3	135.5
152	53.5	42.9	64.3



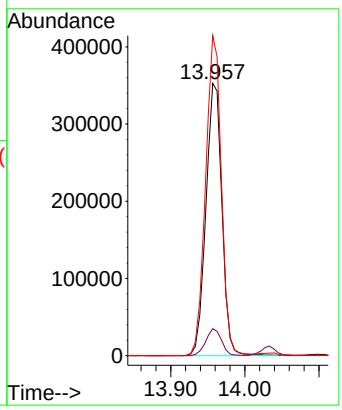


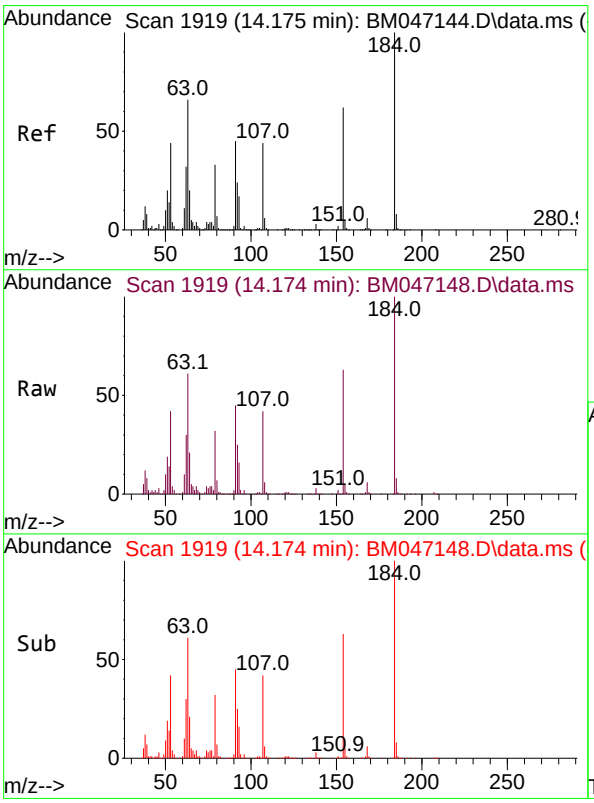
#53
3-Nitroaniline
Concen: 40.443 ng
RT: 13.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:138 Resp: 529385

Ion	Ratio	Lower	Upper
138	100		
108	9.9	7.9	11.9
92	117.5	92.0	138.0

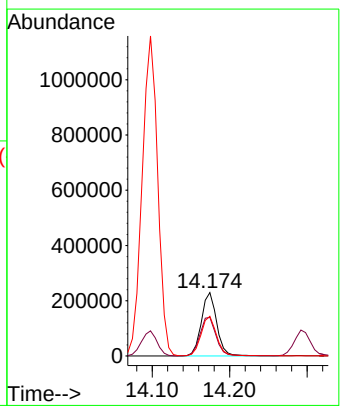


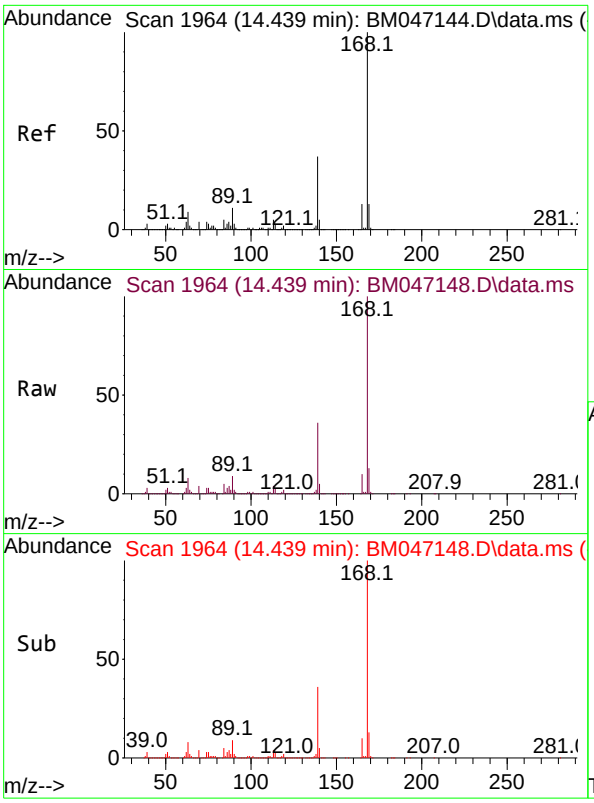


#54
2,4-Dinitrophenol
Concen: 40.314 ng
RT: 14.174 min Scan# 1919
Delta R.T. -0.001 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:184 Resp: 315633

Ion	Ratio	Lower	Upper
184	100		
63	60.8	52.7	79.1
154	62.7	50.4	75.6



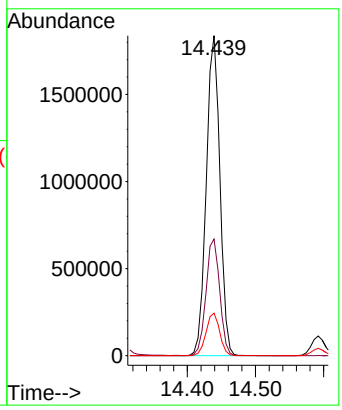


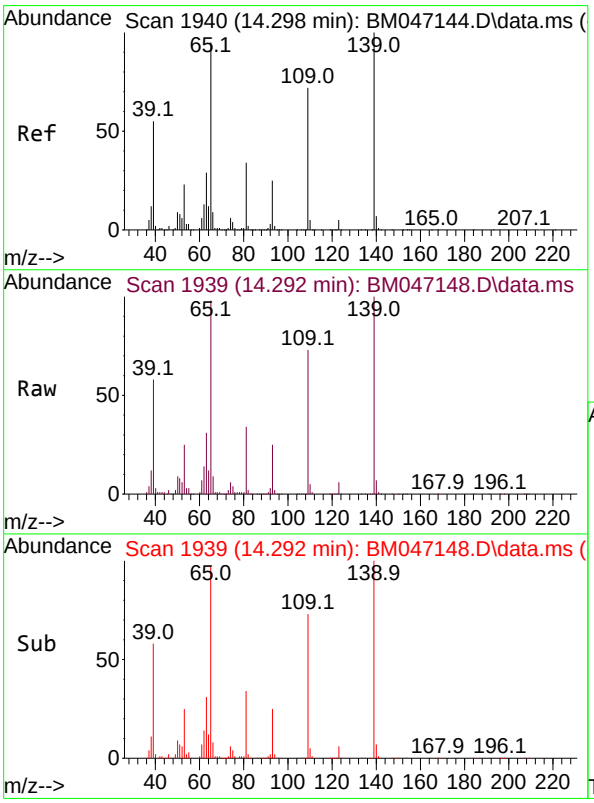
#55
Dibenzofuran
Concen: 38.784 ng
RT: 14.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:168 Resp: 2550249

Ion	Ratio	Lower	Upper
168	100		
139	36.4	29.6	44.4
169	13.3	10.7	16.1

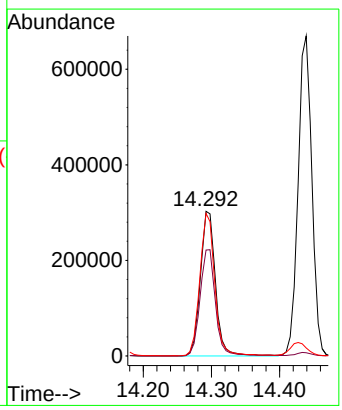


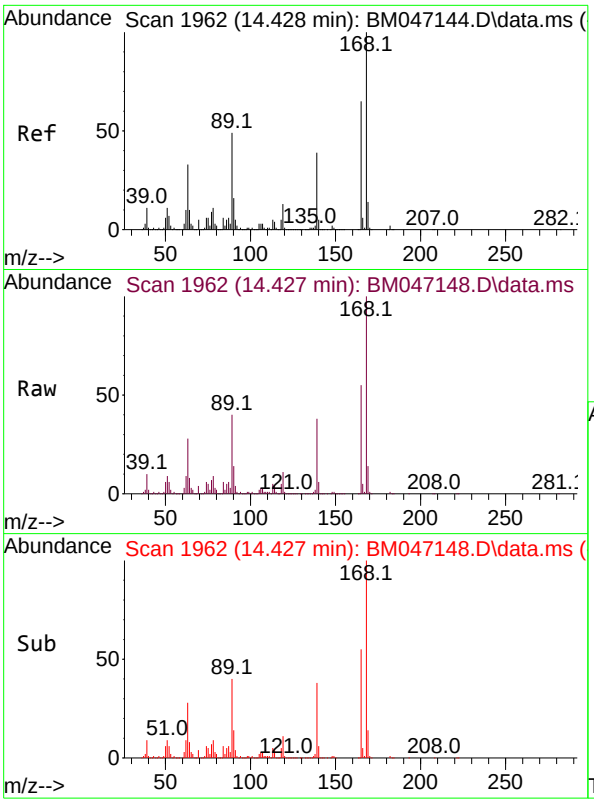


#56
4-Nitrophenol
Concen: 41.349 ng
RT: 14.292 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:139 Resp: 466721

Ion	Ratio	Lower	Upper
139	100		
109	73.3	52.5	92.5
65	98.5	75.4	115.4



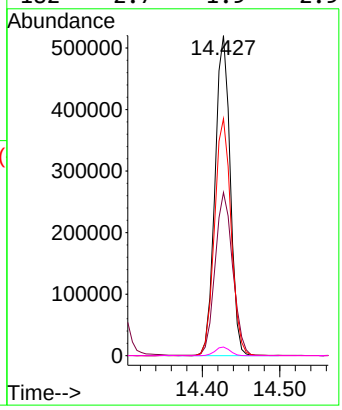


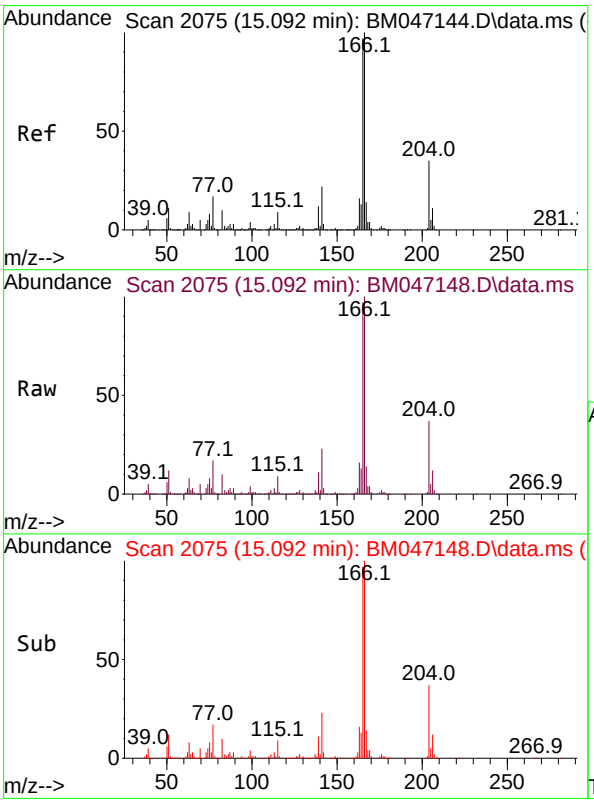
#57
2,4-Dinitrotoluene
Concen: 40.635 ng
RT: 14.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:165 Resp: 708519

Ion	Ratio	Lower	Upper
165	100		
63	51.0	40.3	60.5
89	74.1	61.0	91.6
182	2.7	1.9	2.9

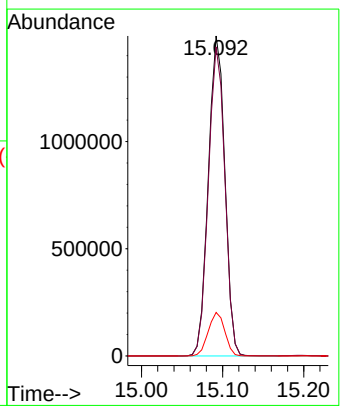


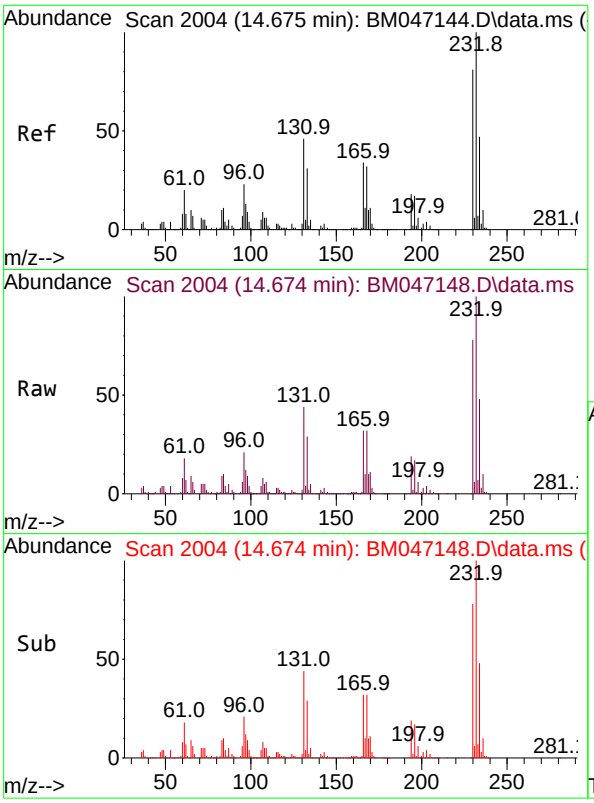


#58
Fluorene
Concen: 38.859 ng
RT: 15.092 min Scan# 2075
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:166 Resp: 2108277

Ion	Ratio	Lower	Upper
166	100		
165	96.6	77.4	116.0
167	13.6	11.0	16.6



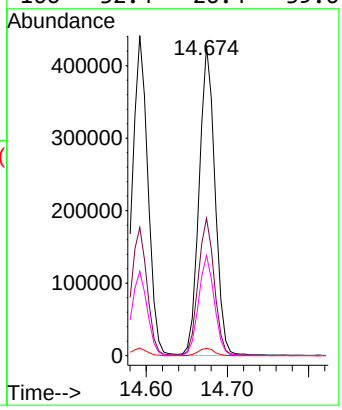


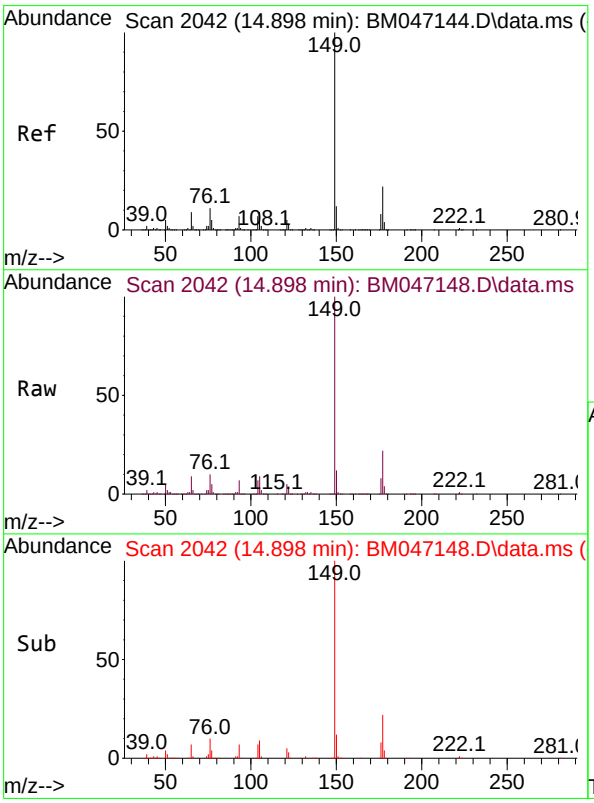
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.787 ng
RT: 14.674 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:232 Resp: 577329

Ion	Ratio	Lower	Upper
232	100		
131	45.3	36.9	55.3
130	2.4	2.0	3.0
166	32.4	26.4	39.6

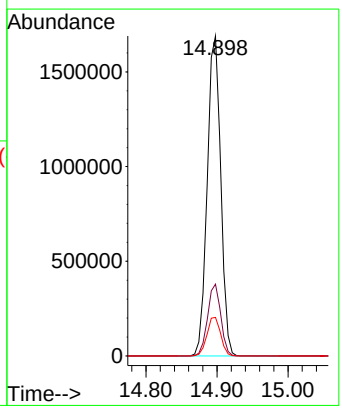


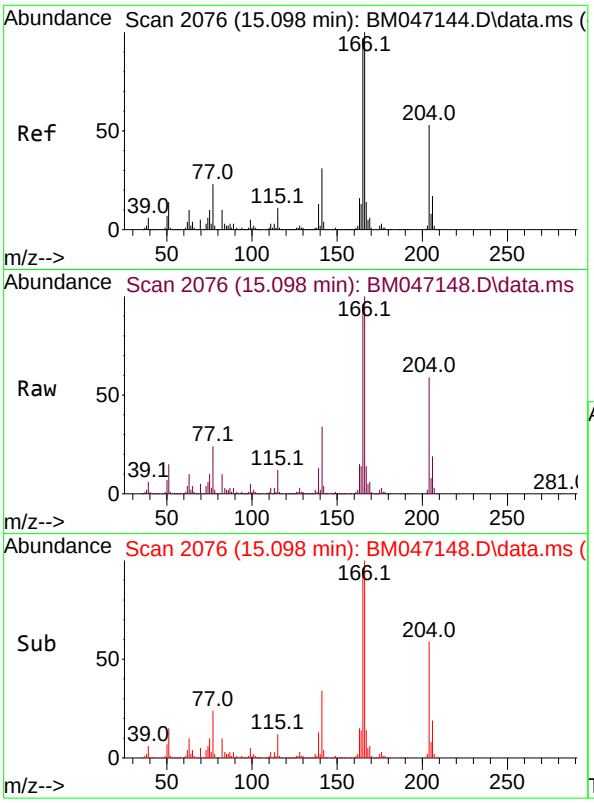


#60
Diethylphthalate
Concen: 39.122 ng
RT: 14.898 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:149 Resp: 2232502

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.6	26.4
150	12.1	9.8	14.6



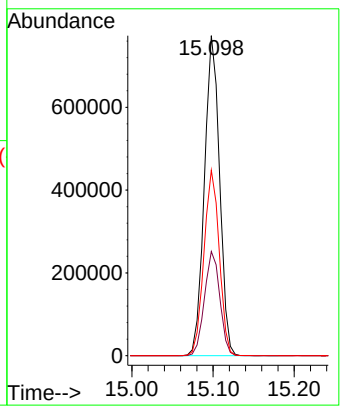


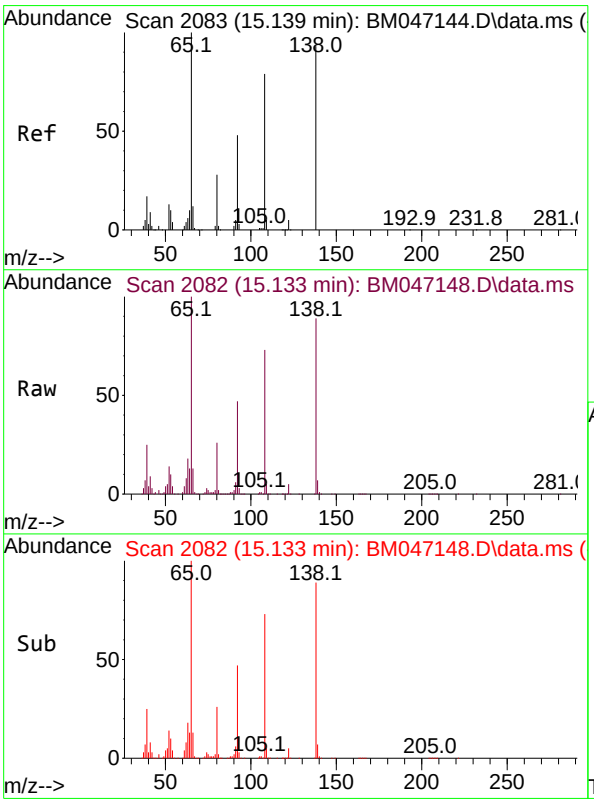
#61
4-Chlorophenyl-phenylether
Concen: 38.777 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:204 Resp: 1001595

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.2	39.4
141	57.9	47.2	70.8

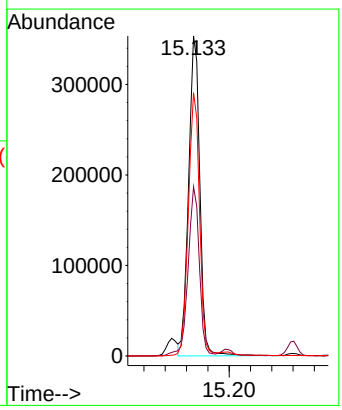


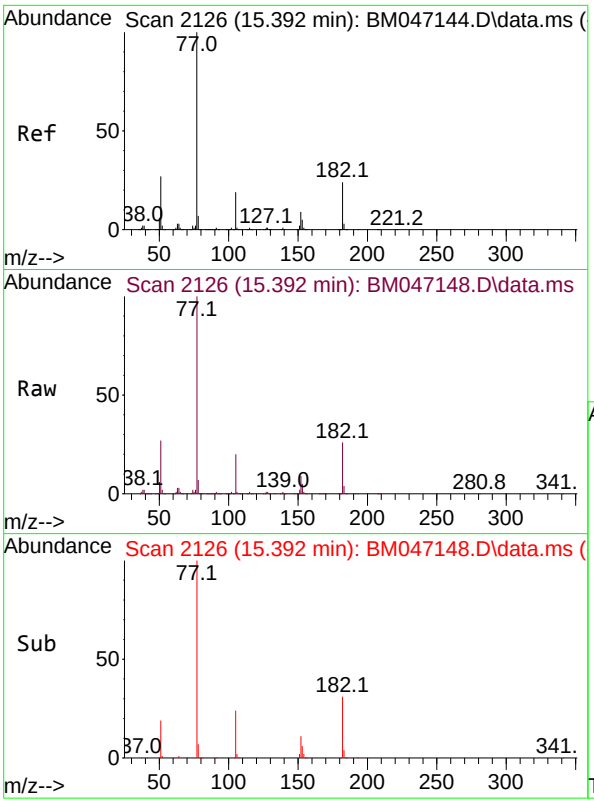


#62
4-Nitroaniline
Concen: 40.127 ng
RT: 15.133 min Scan# 2082
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:138 Resp: 517467

Ion	Ratio	Lower	Upper
138	100		
92	52.9	31.9	71.9
108	82.2	63.8	103.8



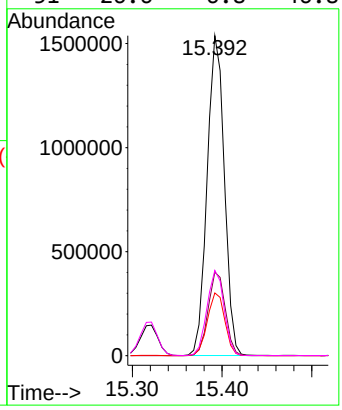


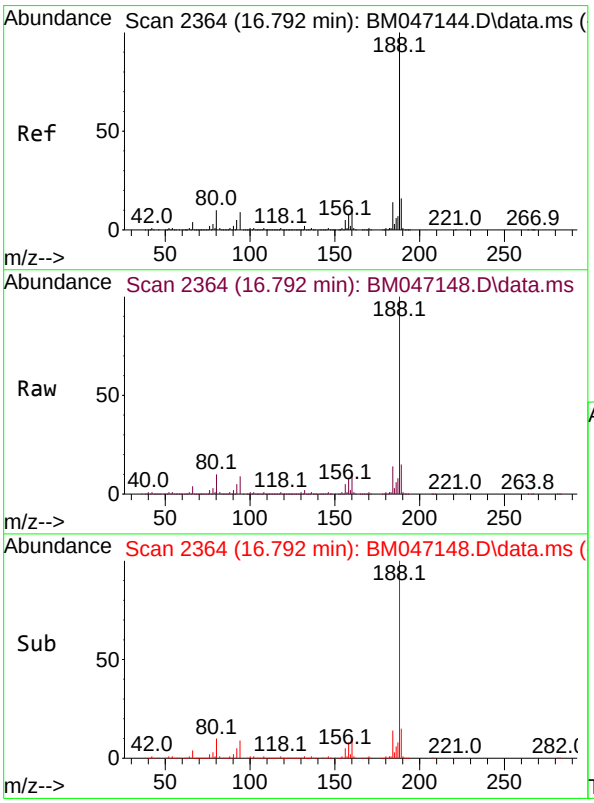
#63
Azobenzene
Concen: 37.854 ng
RT: 15.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion: 77 Resp: 2048152

Ion	Ratio	Lower	Upper
77	100		
182	26.1	3.8	43.8
105	19.6	0.0	39.5
51	26.6	6.8	46.8

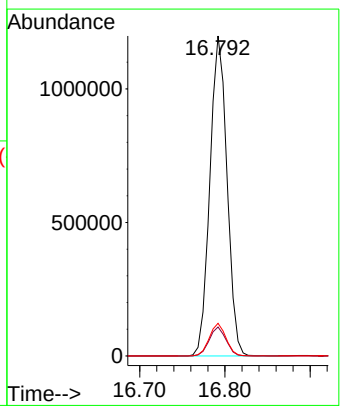


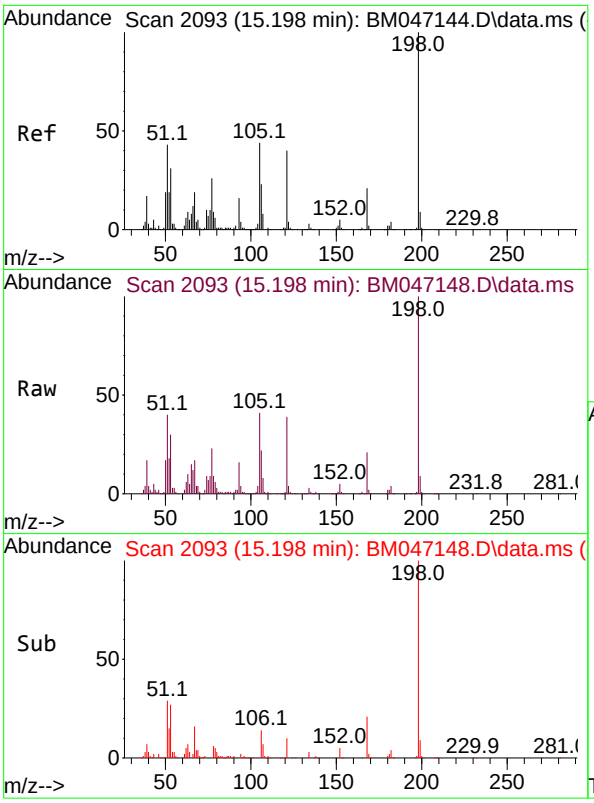


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.792 min Scan# 2364
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:188 Resp: 1673175

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.0	10.6
80	10.2	8.0	12.0



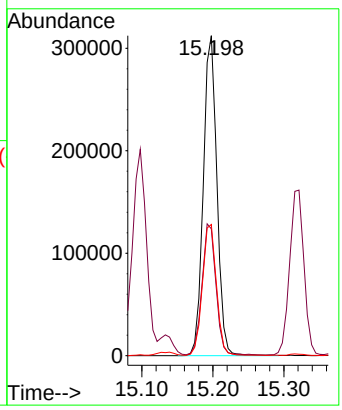


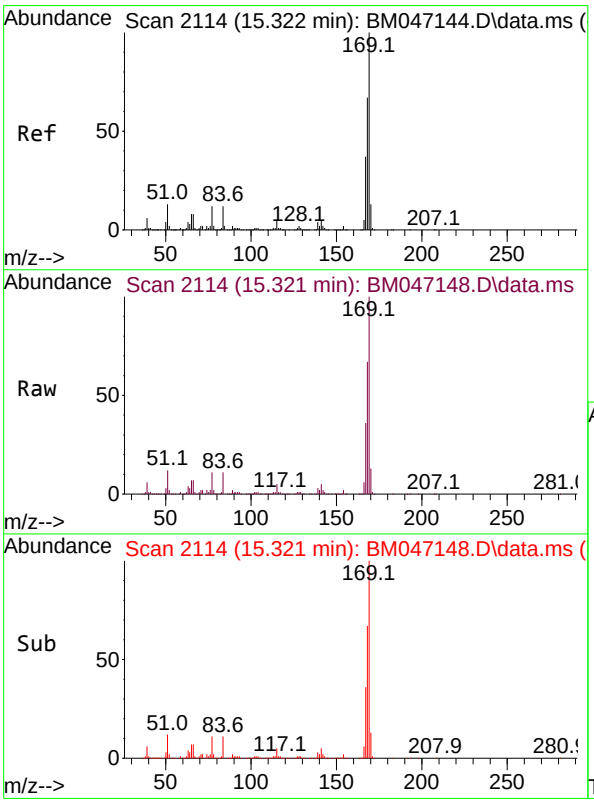
#65
4,6-Dinitro-2-methylphenol
Concen: 42.500 ng
RT: 15.198 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:198 Resp: 416340

Ion	Ratio	Lower	Upper
198	100		
51	39.7	23.9	63.9
105	41.0	24.3	64.3

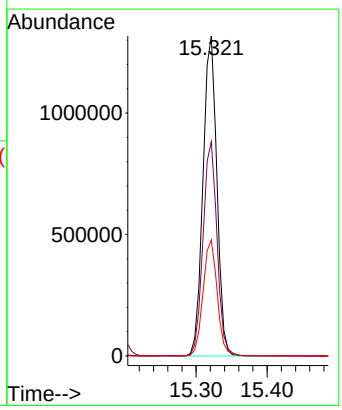


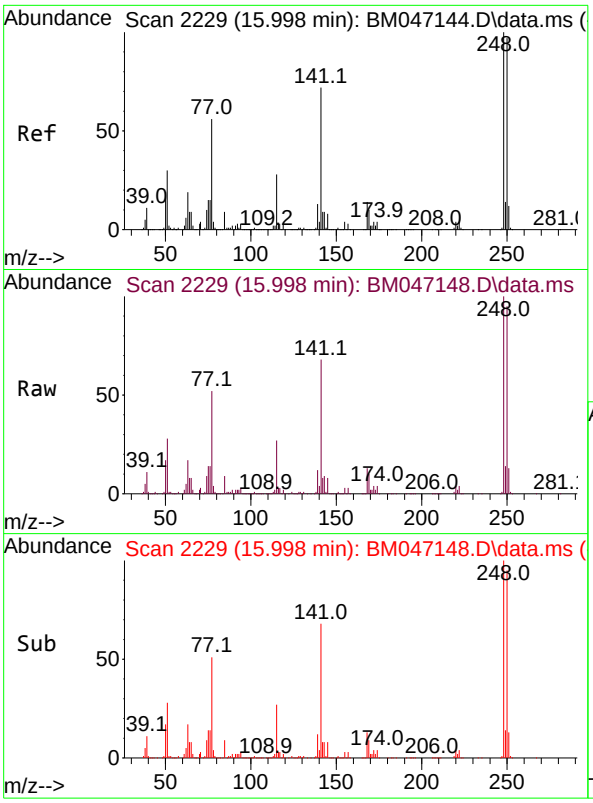


#66
n-Nitrosodiphenylamine
Concen: 39.293 ng
RT: 15.321 min Scan# 2114
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:169 Resp: 1790716

Ion	Ratio	Lower	Upper
169	100		
168	67.0	53.8	80.8
167	36.3	29.3	43.9



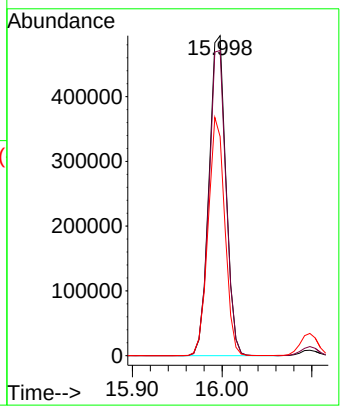


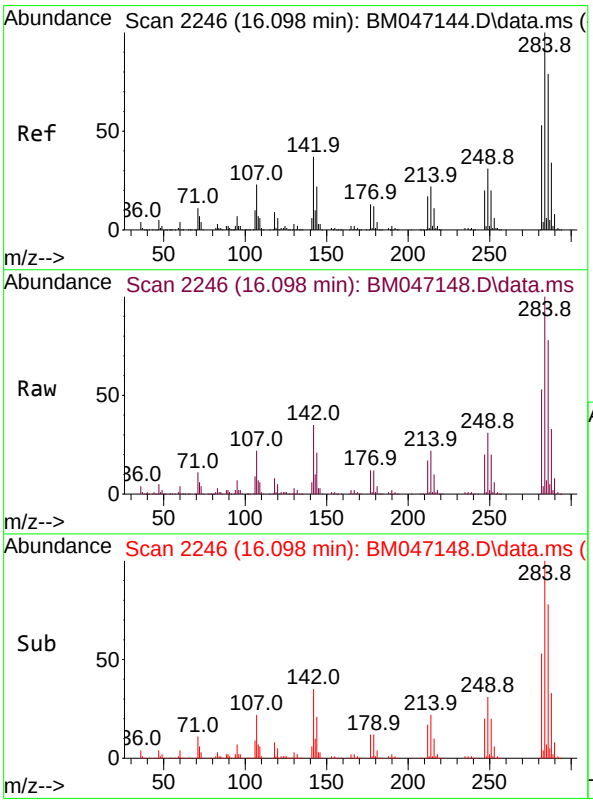
#67
4-Bromophenyl-phenylether
Concen: 40.155 ng
RT: 15.998 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:248 Resp: 647415

Ion	Ratio	Lower	Upper
248	100		
250	95.4	77.8	116.8
141	68.4	57.7	86.5

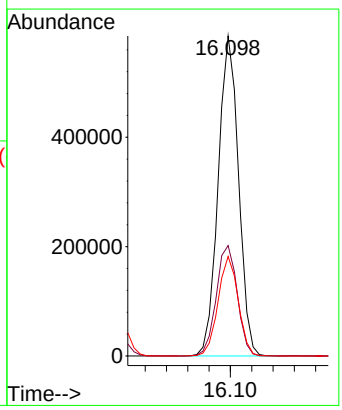


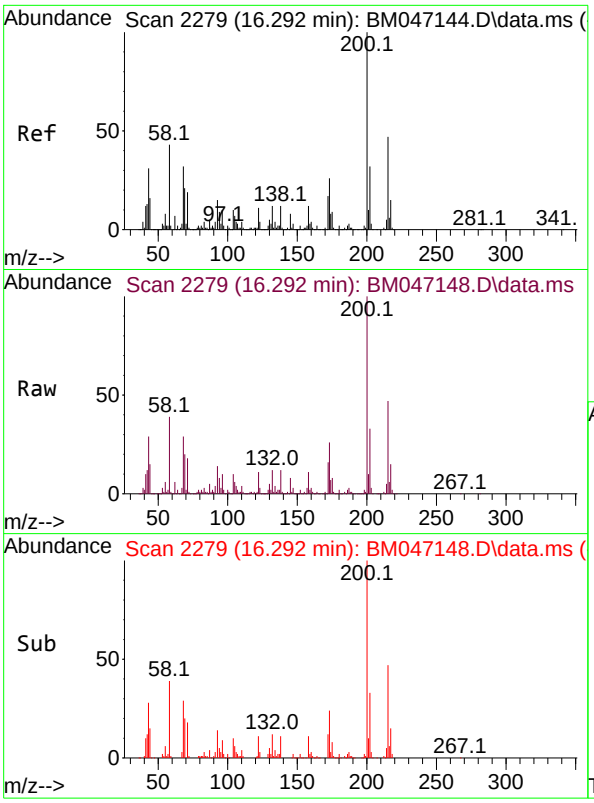


#68
Hexachlorobenzene
Concen: 40.130 ng
RT: 16.098 min Scan# 2246
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:284 Resp: 774906

Ion	Ratio	Lower	Upper
284	100		
142	34.5	29.4	44.0
249	31.1	25.1	37.7



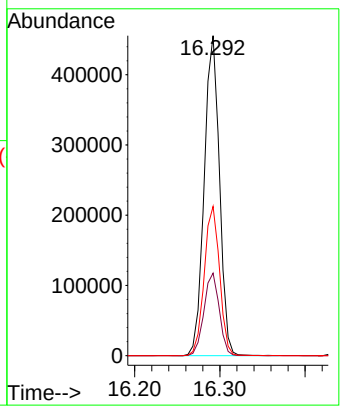


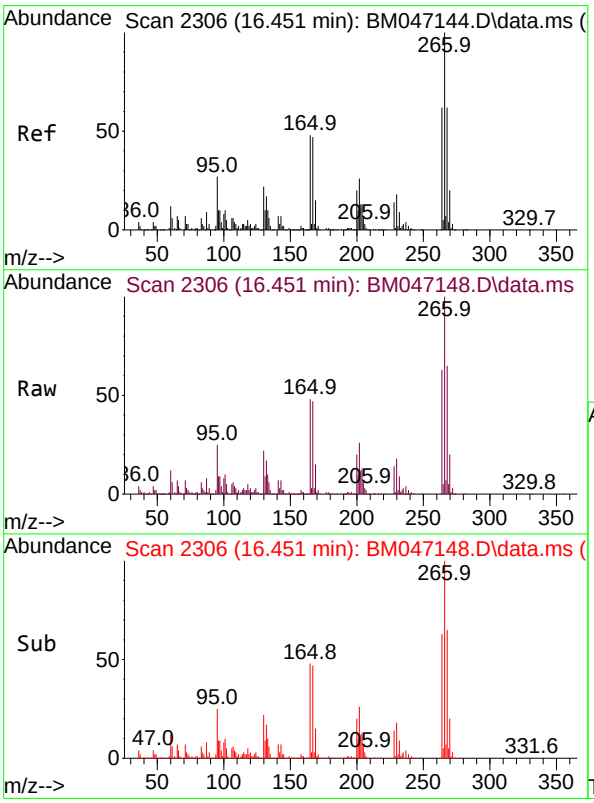
#69
Atrazine
Concen: 41.312 ng
RT: 16.292 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:200 Resp: 566536

Ion	Ratio	Lower	Upper
200	100		
173	25.8	6.1	46.1
215	46.7	26.8	66.8

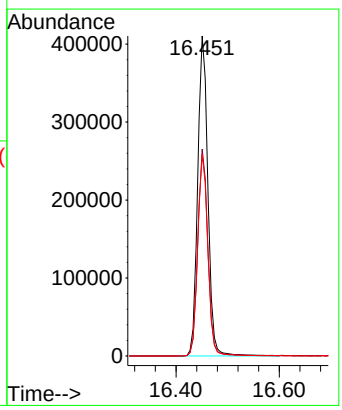


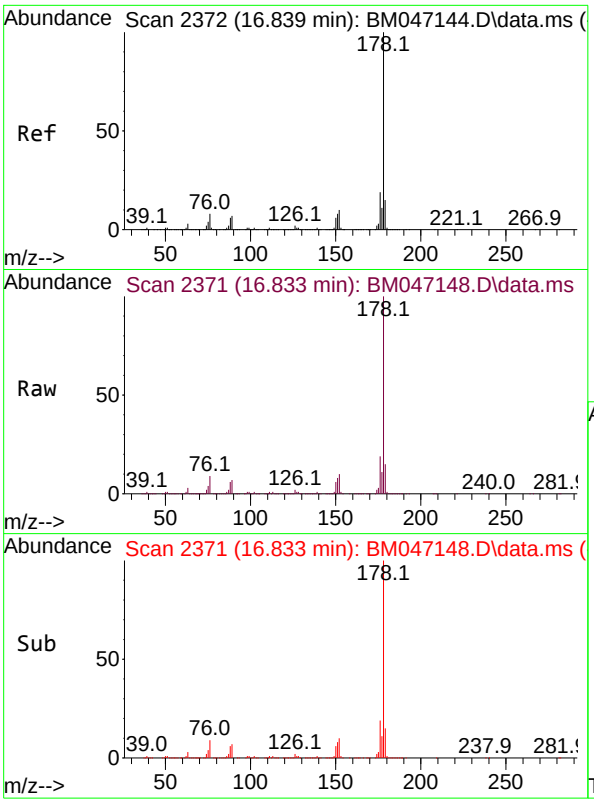


#70
Pentachlorophenol
Concen: 41.470 ng
RT: 16.451 min Scan# 2306
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:266 Resp: 561329

Ion	Ratio	Lower	Upper
266	100		
268	64.6	49.8	74.6
264	63.0	49.6	74.4



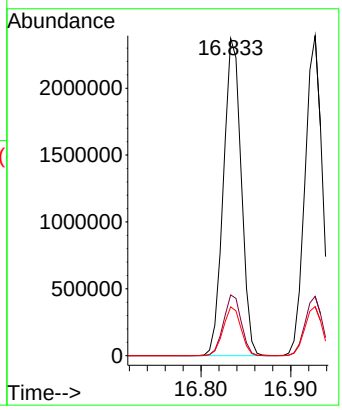


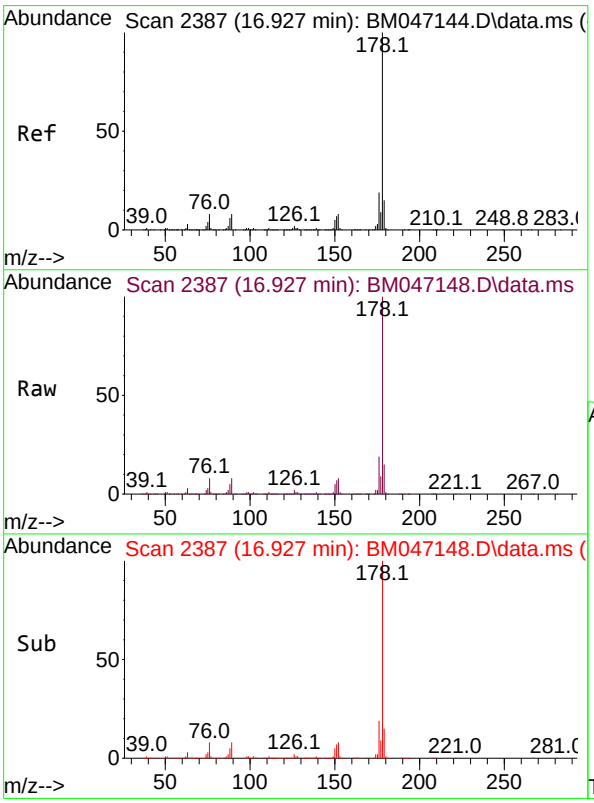
#71
Phenanthrene
Concen: 38.967 ng
RT: 16.833 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:178 Resp: 3272056

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.4	12.4	18.6

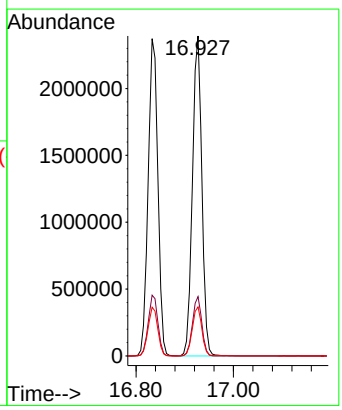


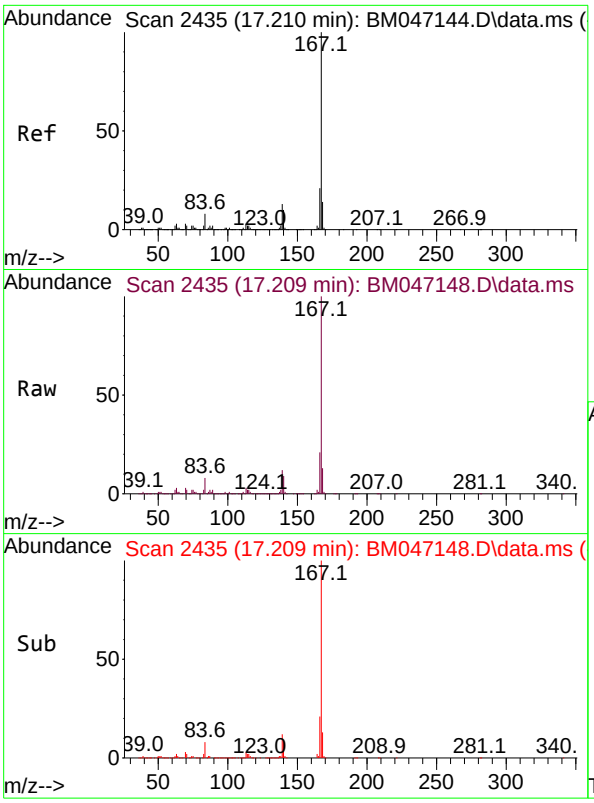


#72
Anthracene
Concen: 39.620 ng
RT: 16.927 min Scan# 2387
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:178 Resp: 3237131

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.3	12.4	18.6



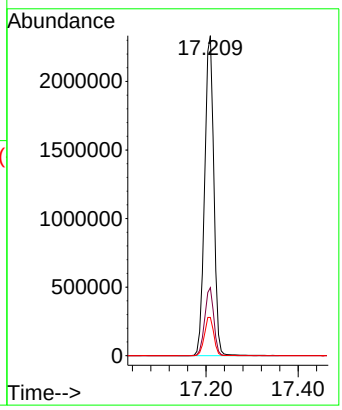


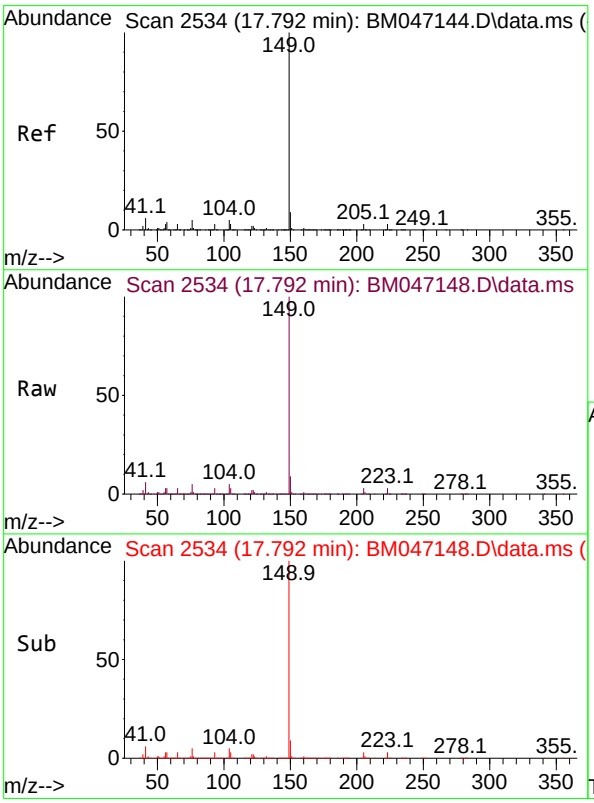
#73
Carbazole
Concen: 39.108 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:167 Resp: 3262489

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.1	25.7
139	12.0	10.0	15.0

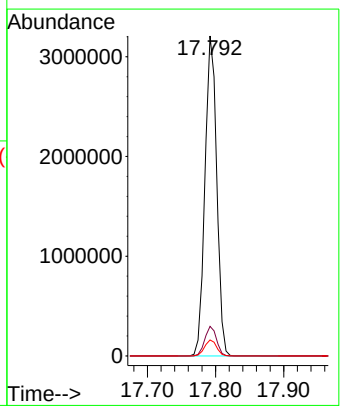


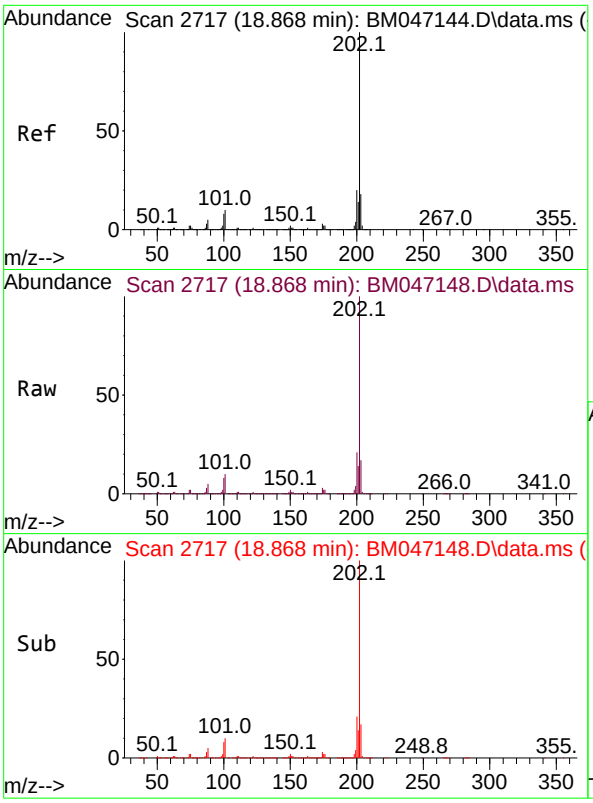


#74
Di-n-butylphthalate
Concen: 39.675 ng
RT: 17.792 min Scan# 2534
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:149 Resp: 3851216

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.0	4.1	6.1



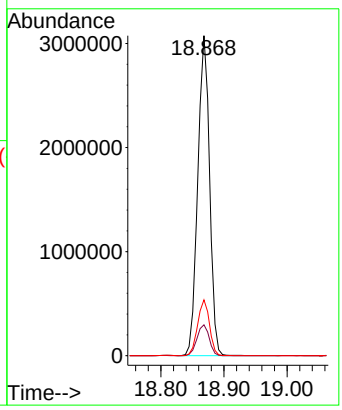


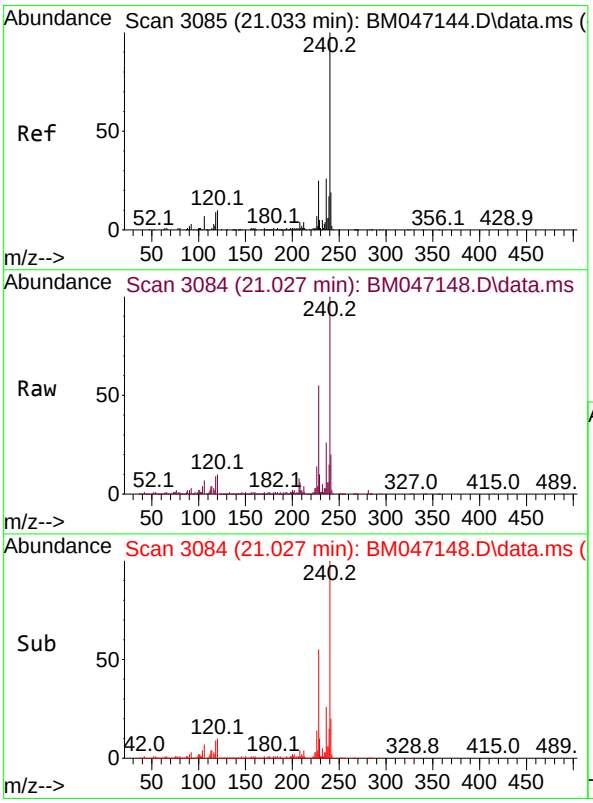
#75
Fluoranthene
Concen: 38.982 ng
RT: 18.868 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:202 Resp: 3981412

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	30.2
203	17.5	0.0	37.6

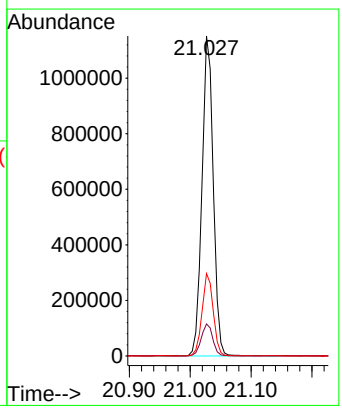


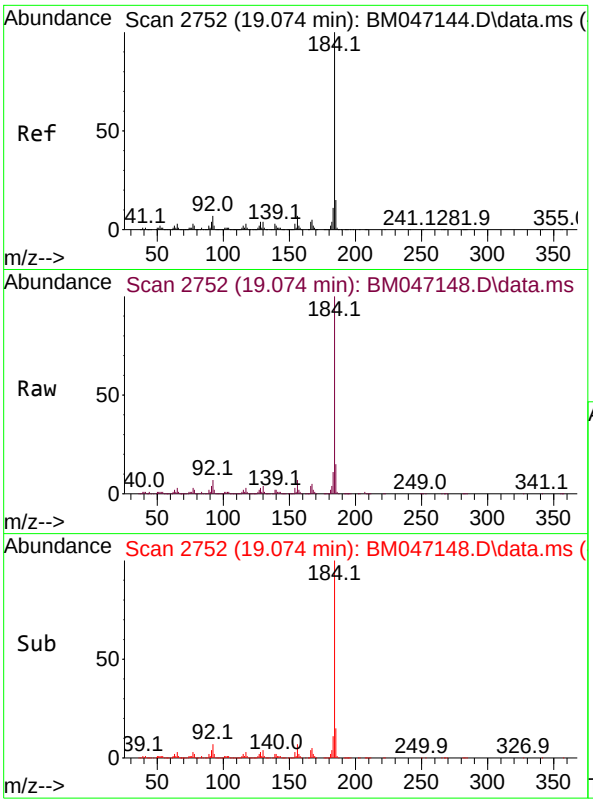


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.027 min Scan# 3084
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:240 Resp: 1477990

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.2	12.2
236	25.8	20.6	30.8



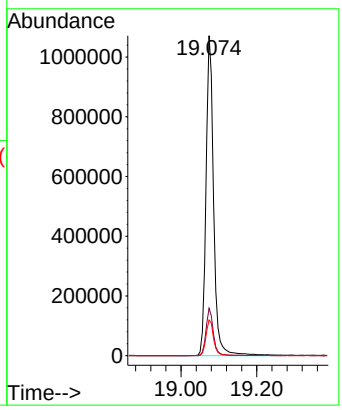


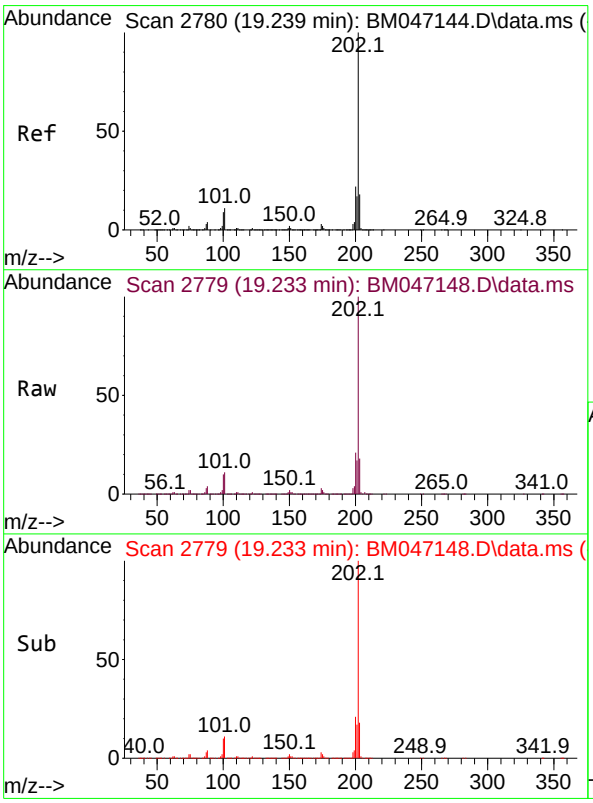
#77
Benzidine
Concen: 59.321 ng
RT: 19.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:184 Resp: 1486859

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.8	17.6
183	11.2	9.0	13.6

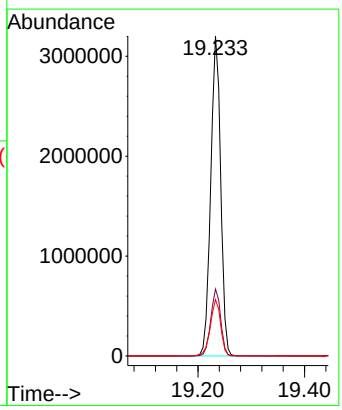


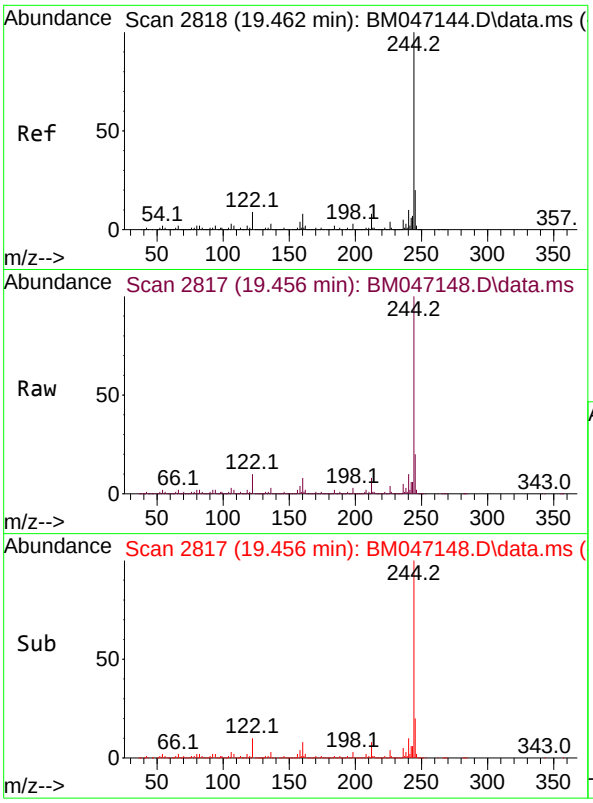


#78
Pyrene
Concen: 39.331 ng
RT: 19.233 min Scan# 2779
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:202 Resp: 4150742

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.2	25.8
203	17.6	14.2	21.2



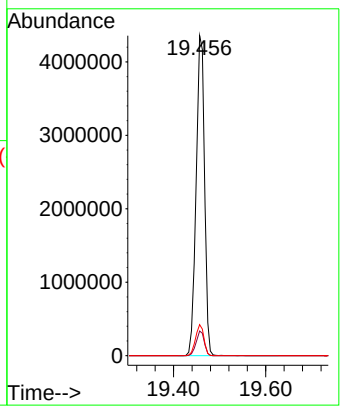


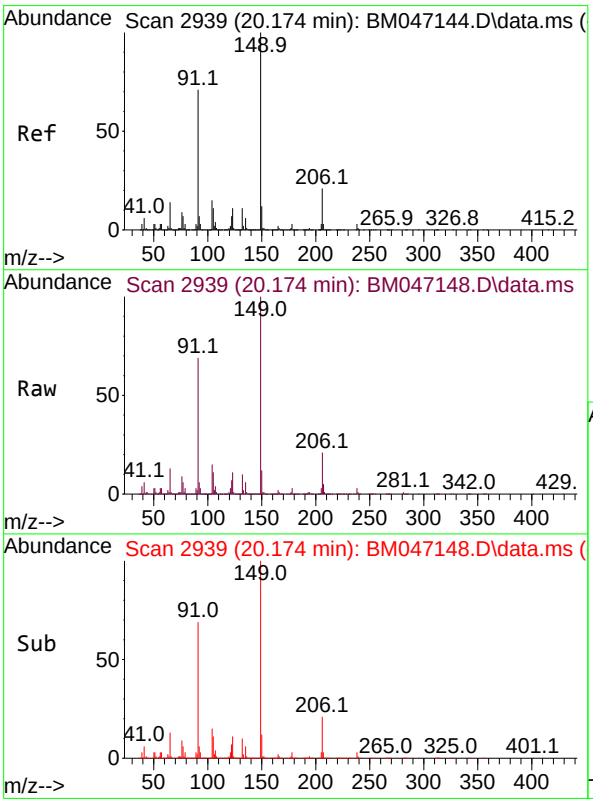
#79
Terphenyl-d14
Concen: 79.687 ng
RT: 19.456 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:244 Resp: 5496459

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.4
122	9.7	7.1	10.7

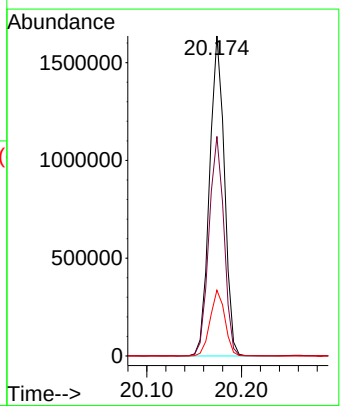


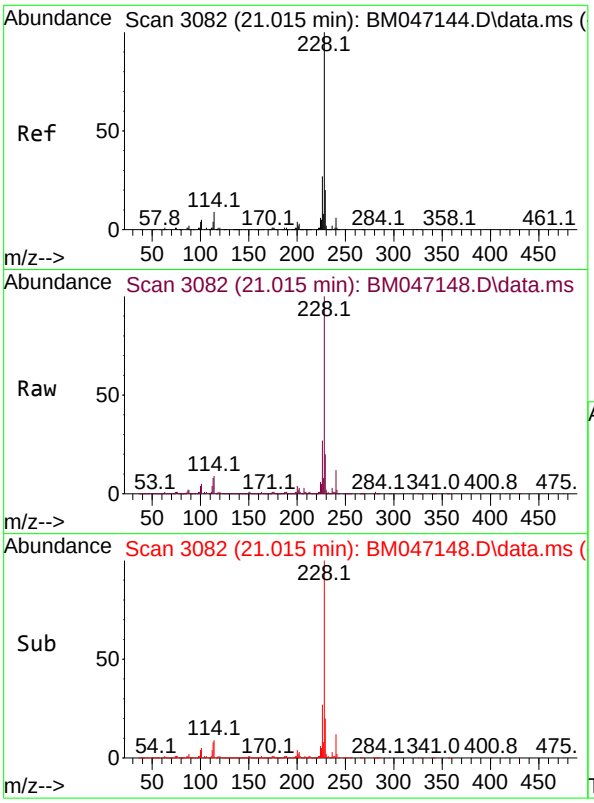


#80
Butylbenzylphthalate
Concen: 41.291 ng
RT: 20.174 min Scan# 2939
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:149 Resp: 1778335

Ion	Ratio	Lower	Upper
149	100		
91	68.6	57.0	85.4
206	20.5	16.4	24.6



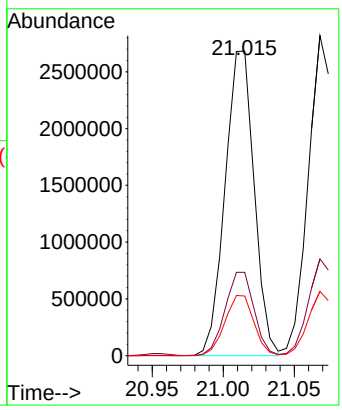


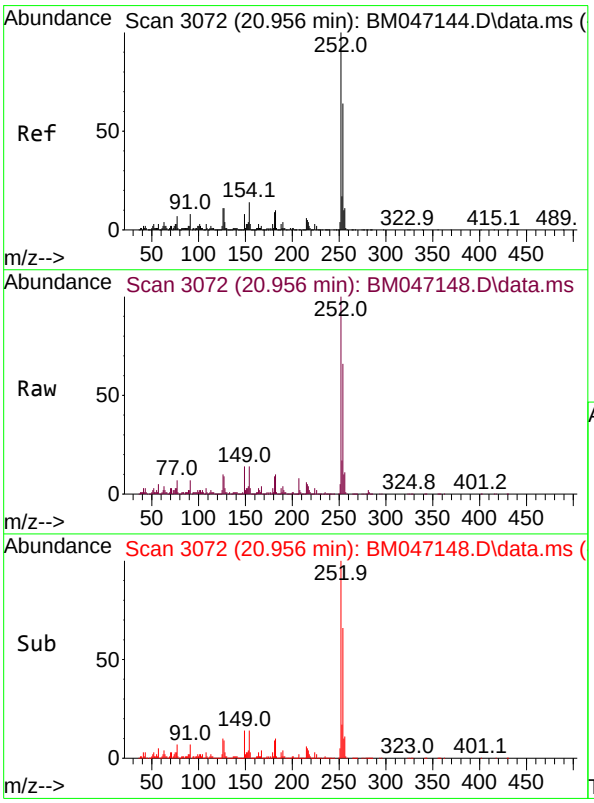
#81
Benzo(a)anthracene
Concen: 39.088 ng
RT: 21.015 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:228 Resp: 3835235

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.6
229	19.6	15.8	23.8

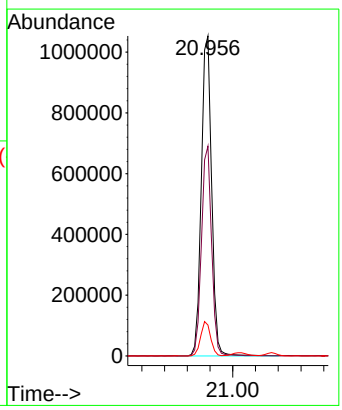


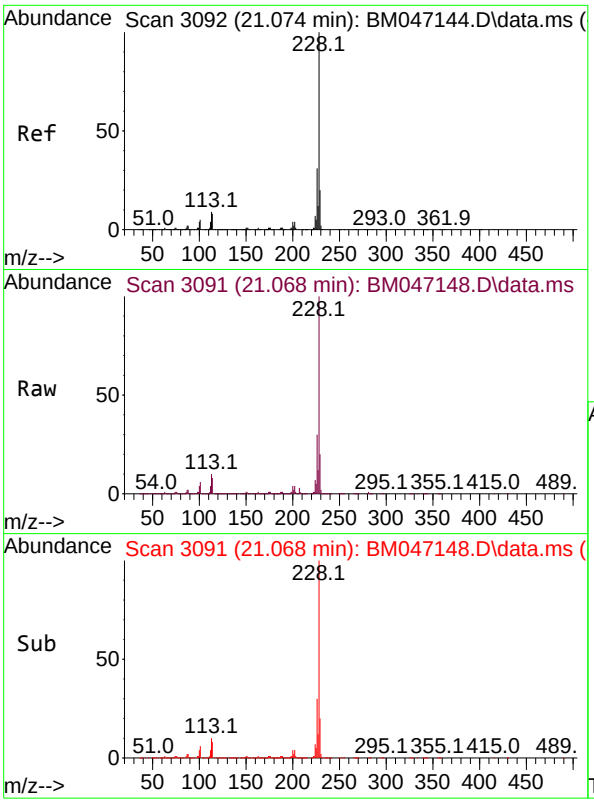


#82
3,3'-Dichlorobenzidine
Concen: 43.078 ng
RT: 20.956 min Scan# 3072
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:252 Resp: 1322453

Ion	Ratio	Lower	Upper
252	100		
254	65.5	51.0	76.6
126	9.7	8.5	12.7



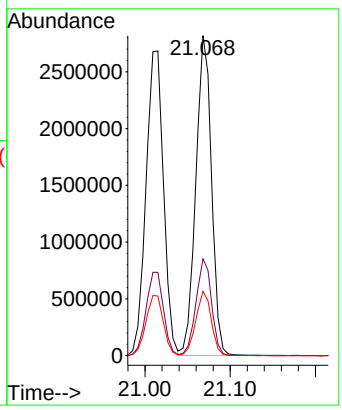


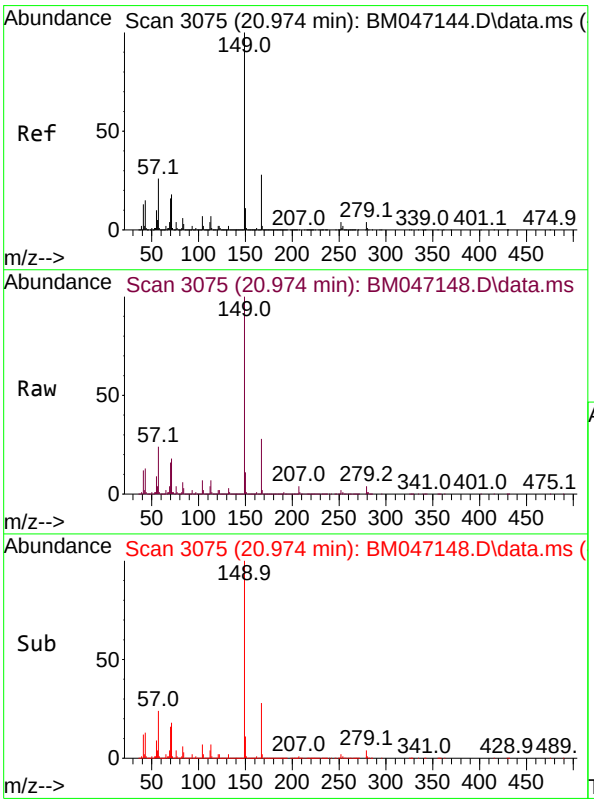
#83
Chrysene
Concen: 38.651 ng
RT: 21.068 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:228 Resp: 3598062

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.4	36.6
229	20.1	15.7	23.5

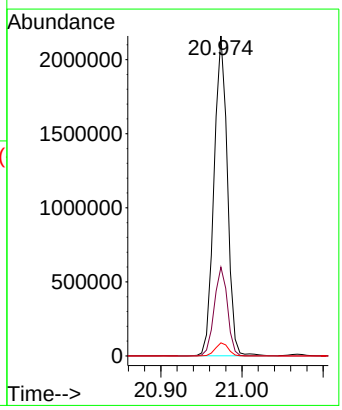


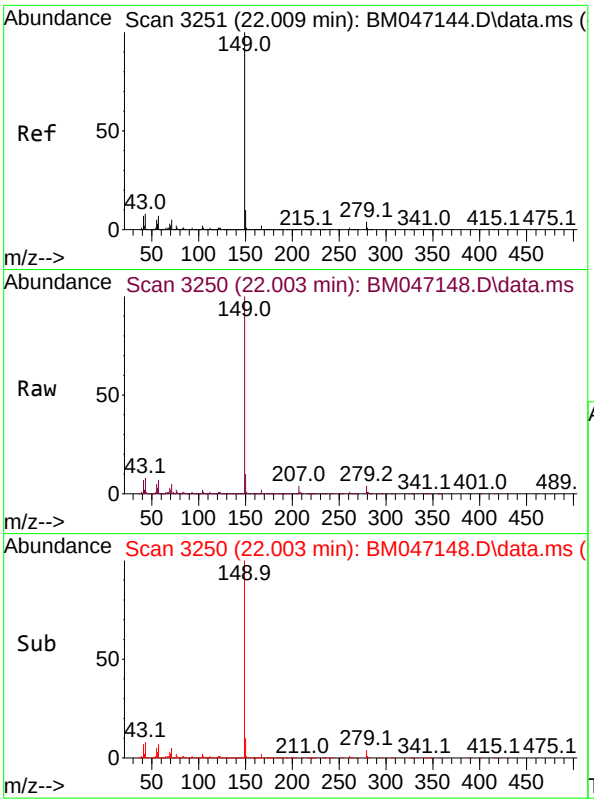


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.349 ng
RT: 20.974 min Scan# 3075
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:149 Resp: 2464399

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.2	33.2
279	4.1	3.0	4.4



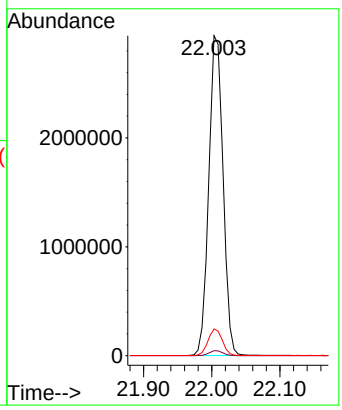


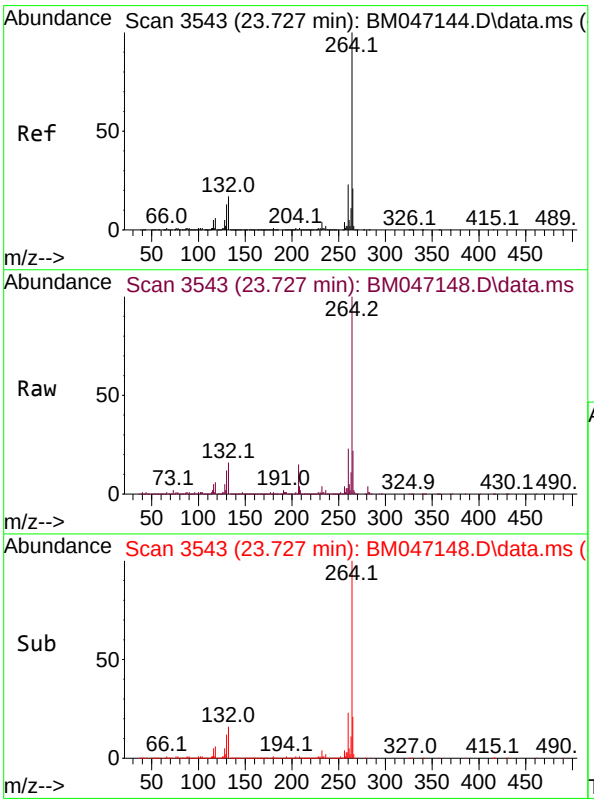
#85
Di-n-octyl phthalate
Concen: 41.304 ng
RT: 22.003 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:149 Resp: 4287924

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.3	6.9	10.3

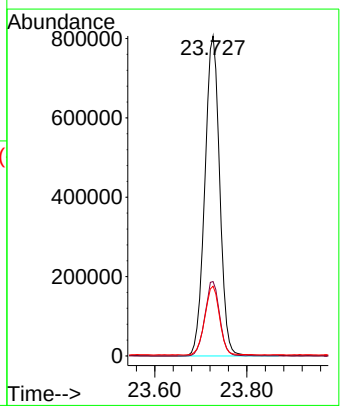


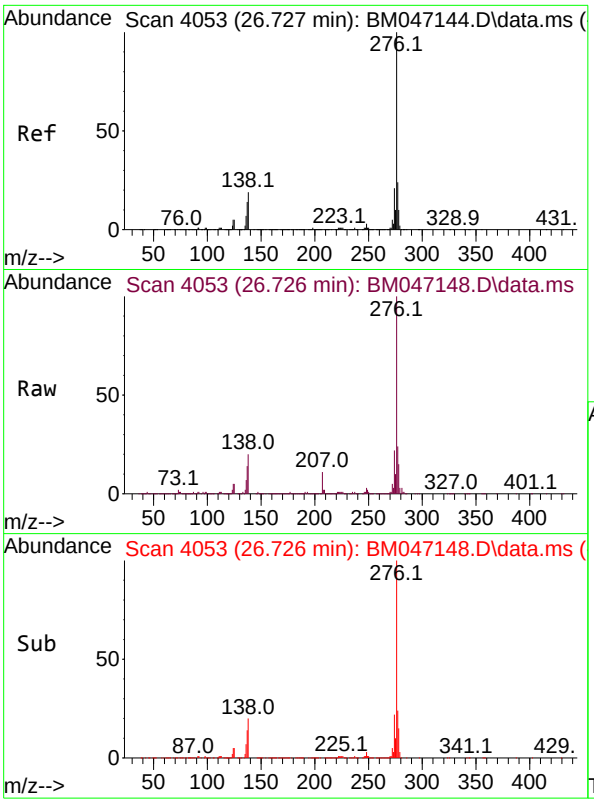


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3543
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:264 Resp: 1812426

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	21.8	17.3	25.9



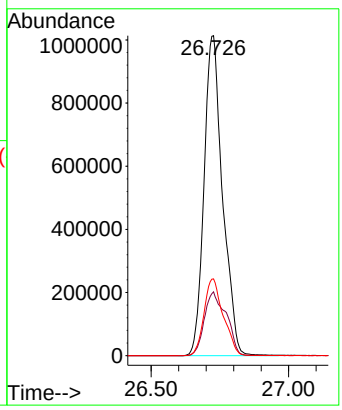


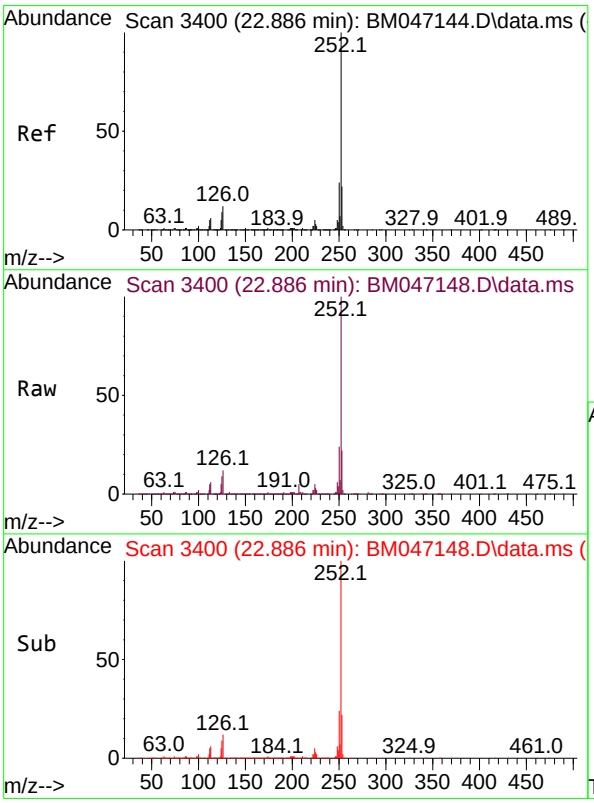
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.535 ng
RT: 26.726 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:276 Resp: 4748737

Ion	Ratio	Lower	Upper
276	100		
138	23.6	19.4	29.0
277	25.0	20.1	30.1

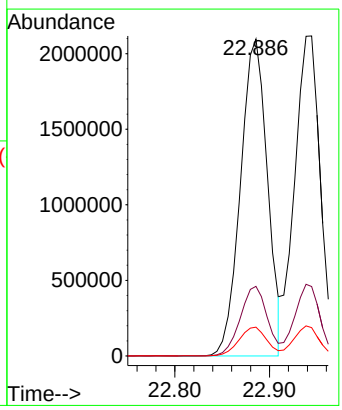


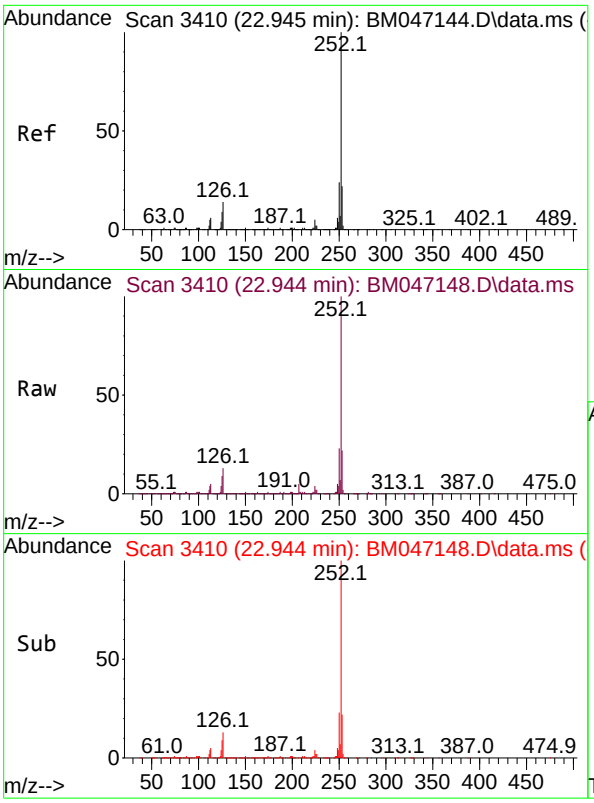


#88
Benzo(b)fluoranthene
Concen: 38.443 ng
RT: 22.886 min Scan# 3400
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:252 Resp: 4137733

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	9.1	7.4	11.0



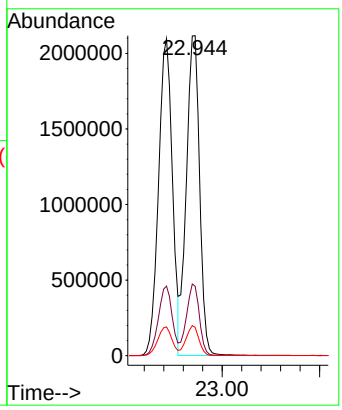


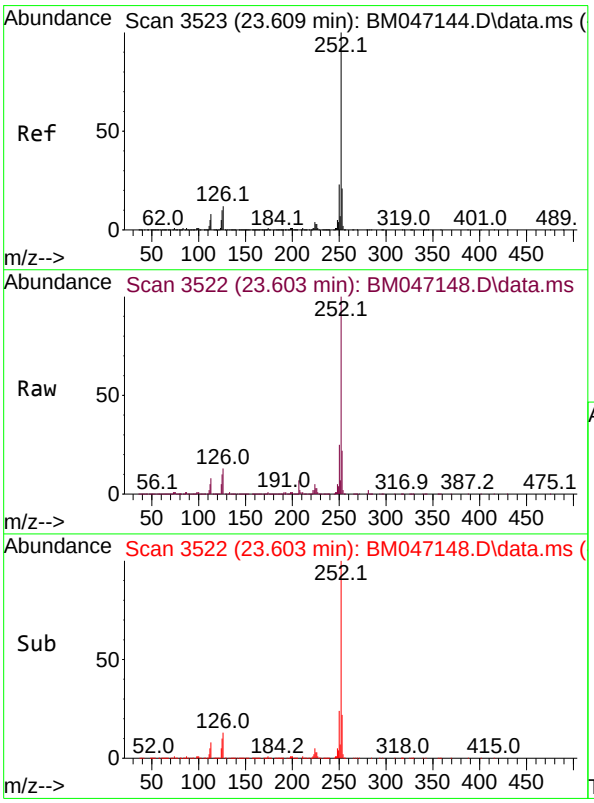
#89
Benzo(k)fluoranthene
Concen: 39.350 ng
RT: 22.944 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:252 Resp: 4000536

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	8.9	7.4	11.2

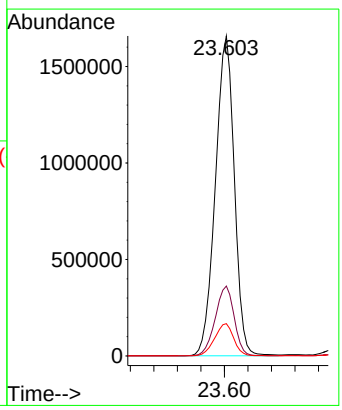


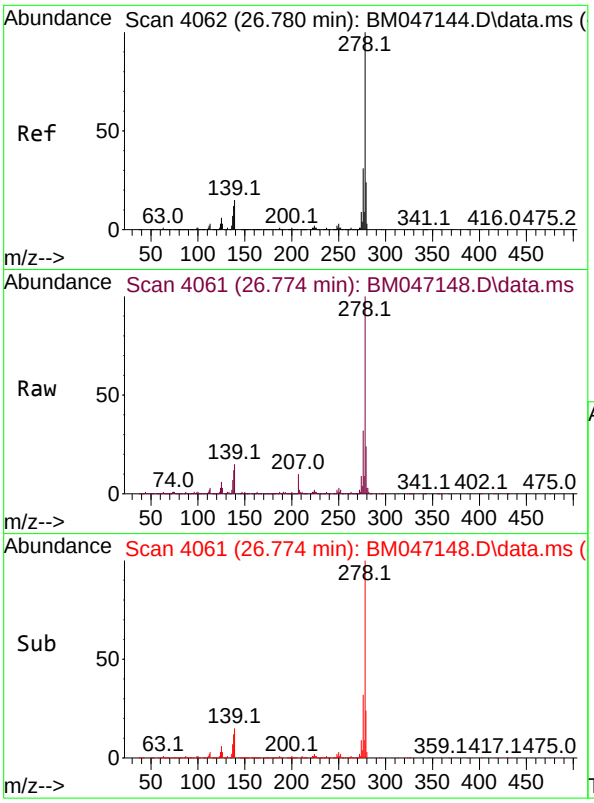


#90
Benzo(a)pyrene
Concen: 39.764 ng
RT: 23.603 min Scan# 3522
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:252 Resp: 3707577

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	10.1	8.2	12.2



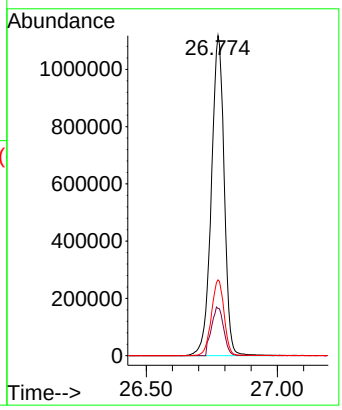


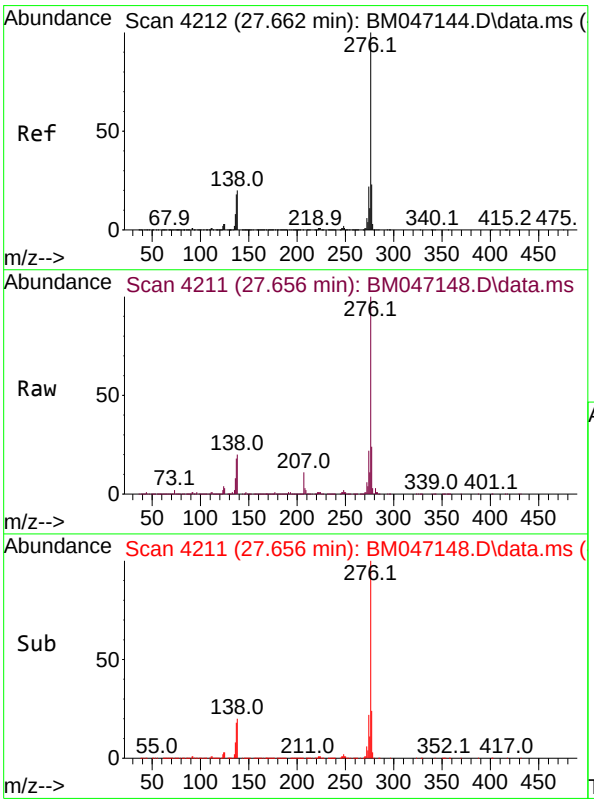
#91
Dibenzo(a,h)anthracene
Concen: 40.122 ng
RT: 26.774 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Tgt Ion:278 Resp: 3803894

Ion	Ratio	Lower	Upper
278	100		
139	14.8	12.0	18.0
279	23.7	19.2	28.8

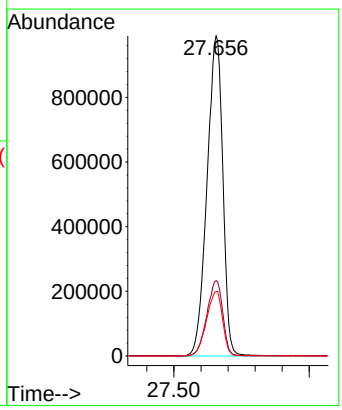




#92
Benzo(g,h,i)perylene
Concen: 40.615 ng
RT: 27.656 min Scan# 4211
Delta R.T. -0.006 min
Lab File: BM047148.D
Acq: 10 Aug 2024 19:10

Tgt Ion:276 Resp: 3997872

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.8	28.2
138	20.2	16.2	24.4



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047148.D
Acq On : 10 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Quant Time: Aug 11 23:52:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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	86	0.00
2		1,4-Dioxane	0.464	0.427	8.0	84	0.00
3		Pyridine	1.360	1.291	5.1	86	0.00
4		n-Nitrosodimethylamine	0.594	0.554	6.7	84	0.00
5	S	2-Fluorophenol	1.119	1.052	6.0	85	0.00
6		Aniline	1.458	1.425	2.3	86	0.00
7	S	Phenol-d6	1.542	1.477	4.2	86	0.00
8		2-Chlorophenol	1.221	1.188	2.7	87	0.00
9		Benzaldehyde	0.904	0.804	11.1	89	0.00
10	C	Phenol	1.539	1.445	6.1	86	0.00
11		bis(2-Chloroethyl)ether	1.318	1.251	5.1	84	0.00
12		1,3-Dichlorobenzene	1.451	1.411	2.8	87	0.00
13	C	1,4-Dichlorobenzene	1.469	1.426	2.9	86	0.00
14		1,2-Dichlorobenzene	1.386	1.342	3.2	88	0.00
15		Benzyl Alcohol	1.098	1.086	1.1	85	0.00
16		2,2'-oxybis(1-Chloropropane	1.691	1.598	5.5	83	0.00
17		2-Methylphenol	1.027	1.005	2.1	87	0.00
18		Hexachloroethane	0.569	0.547	3.9	86	0.00
19	P	n-Nitroso-di-n-propylamine	1.039	0.983	5.4	86	0.00
20		3+4-Methylphenols	1.435	1.425	0.7	87	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	87	0.00
22		Acetophenone	0.483	0.460	4.8	86	0.00
23	S	Nitrobenzene-d5	0.397	0.383	3.5	85	0.00
24		Nitrobenzene	0.400	0.390	2.5	86	0.00
25		Isophorone	0.692	0.684	1.2	86	0.00
26	C	2-Nitrophenol	0.177	0.183	-3.4	87	0.00
27		2,4-Dimethylphenol	0.207	0.205	1.0	85	0.00
28		bis(2-Chloroethoxy)methane	0.435	0.425	2.3	85	0.00
29	C	2,4-Dichlorophenol	0.308	0.315	-2.3	88	0.00
30		1,2,4-Trichlorobenzene	0.348	0.351	-0.9	88	0.00
31		Naphthalene	0.996	0.961	3.5	86	0.00
32		Benzoic acid	0.241	0.260	-7.9	90	-0.01
33		4-Chloroaniline	0.383	0.386	-0.8	87	0.00
34	C	Hexachlorobutadiene	0.204	0.205	-0.5	88	0.00
35		Caprolactam	0.107	0.108	-0.9	86	0.00
36	C	4-Chloro-3-methylphenol	0.328	0.326	0.6	87	0.00
37		2-Methylnaphthalene	0.709	0.691	2.5	87	0.00
38		1-Methylnaphthalene	0.701	0.681	2.9	87	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	87	0.00
40		1,2,4,5-Tetrachlorobenzene	0.546	0.553	-1.3	89	0.00
41	P	Hexachlorocyclopentadiene	0.190	0.195	-2.6	85	0.00
42	S	2,4,6-Tribromophenol	0.232	0.237	-2.2	89	0.00
43	C	2,4,6-Trichlorophenol	0.388	0.395	-1.8	87	0.00
44		2,4,5-Trichlorophenol	0.430	0.442	-2.8	88	0.00
45	S	2-Fluorobiphenyl	1.297	1.276	1.6	88	0.00
46		1,1'-Biphenyl	1.424	1.375	3.4	87	0.00
47		2-Chloronaphthalene	1.113	1.070	3.9	87	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047148.D
Acq On : 10 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Quant Time: Aug 11 23:52:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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)
48		2-Nitroaniline	0.349	0.351	-0.6	86	0.00
49		Acenaphthylene	1.640	1.610	1.8	88	0.00
50		Dimethylphthalate	1.397	1.375	1.6	87	0.00
51		2,6-Dinitrotoluene	0.327	0.329	-0.6	88	0.00
52	C	Acenaphthene	1.041	1.010	3.0	88	0.00
53		3-Nitroaniline	0.327	0.331	-1.2	87	0.00
54	P	2,4-Dinitrophenol	0.196	0.197	-0.5	85	0.00
55		Dibenzofuran	1.644	1.594	3.0	88	0.00
56	P	4-Nitrophenol	0.282	0.292	-3.5	87	0.00
57		2,4-Dinitrotoluene	0.436	0.443	-1.6	88	0.00
58		Fluorene	1.356	1.317	2.9	88	0.00
59		2,3,4,6-Tetrachlorophenol	0.354	0.361	-2.0	89	0.00
60		Diethylphthalate	1.426	1.395	2.2	87	0.00
61		4-Chlorophenyl-phenylether	0.646	0.626	3.1	88	0.00
62		4-Nitroaniline	0.322	0.323	-0.3	89	0.00
63		Azobenzene	1.352	1.280	5.3	85	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	88	0.00
65		4,6-Dinitro-2-methylphenol	0.117	0.124	-6.0	87	0.00
66	c	n-Nitrosodiphenylamine	0.545	0.535	1.8	88	0.00
67		4-Bromophenyl-phenylether	0.193	0.193	0.0	89	0.00
68		Hexachlorobenzene	0.231	0.232	-0.4	89	0.00
69		Atrazine	0.164	0.169	-3.0	87	0.00
70	C	Pentachlorophenol	0.162	0.168	-3.7	88	0.00
71		Phenanthrene	1.004	0.978	2.6	88	0.00
72		Anthracene	0.977	0.967	1.0	89	0.00
73		Carbazole	0.997	0.975	2.2	88	0.00
74		Di-n-butylphthalate	1.160	1.151	0.8	87	0.00
75	C	Fluoranthene	1.221	1.190	2.5	87	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	88	0.00
77		Benzidine	0.339	0.503	-48.4#	91	0.00
78		Pyrene	1.428	1.404	1.7	87	0.00
79	S	Terphenyl-d14	0.933	0.930	0.3	88	0.00
80		Butylbenzylphthalate	0.583	0.602	-3.3	87	0.00
81		Benzo(a)anthracene	1.328	1.297	2.3	88	0.00
82		3,3'-Dichlorobenzidine	0.415	0.447	-7.7	89	0.00
83		Chrysene	1.260	1.217	3.4	88	0.00
84		Bis(2-ethylhexyl)phthalate	0.826	0.834	-1.0	87	0.00
85	c	Di-n-octyl phthalate	1.405	1.451	-3.3	88	0.00
86	I	Perylene-d12	1.000	1.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	1.293	1.310	-1.3	92	0.00
88		Benzo(b)fluoranthene	1.188	1.141	4.0	88	0.00
89		Benzo(k)fluoranthene	1.122	1.104	1.6	90	0.00
90	C	Benzo(a)pyrene	1.029	1.023	0.6	90	0.00
91		Dibenzo(a,h)anthracene	1.046	1.049	-0.3	92	0.00
92		Benzo(g,h,i)perylene	1.086	1.103	-1.6	92	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047148.D
Acq On : 10 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Quant Time: Aug 11 23:52:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047148.D
Acq On : 10 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Quant Time: Aug 11 23:52:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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	20.000	20.000	0.0	86	0.00
2		1,4-Dioxane	40.000	36.823	7.9	84	0.00
3		Pyridine	40.000	37.969	5.1	86	0.00
4		n-Nitrosodimethylamine	40.000	37.322	6.7	84	0.00
5	S	2-Fluorophenol	80.000	75.195	6.0	85	0.00
6		Aniline	40.000	39.104	2.2	86	0.00
7	S	Phenol-d6	80.000	76.636	4.2	86	0.00
8		2-Chlorophenol	40.000	38.916	2.7	87	0.00
9		Benzaldehyde	40.000	39.535	1.2	89	0.00
10	C	Phenol	40.000	37.549	6.1	86	0.00
11		bis(2-Chloroethyl)ether	40.000	37.972	5.1	84	0.00
12		1,3-Dichlorobenzene	40.000	38.900	2.8	87	0.00
13	C	1,4-Dichlorobenzene	40.000	38.844	2.9	86	0.00
14		1,2-Dichlorobenzene	40.000	38.744	3.1	88	0.00
15		Benzyl Alcohol	40.000	39.581	1.0	85	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.800	5.5	83	0.00
17		2-Methylphenol	40.000	39.168	2.1	87	0.00
18		Hexachloroethane	40.000	38.447	3.9	86	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.864	5.3	86	0.00
20		3+4-Methylphenols	40.000	39.723	0.7	87	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	87	0.00
22		Acetophenone	40.000	38.108	4.7	86	0.00
23	S	Nitrobenzene-d5	80.000	77.088	3.6	85	0.00
24		Nitrobenzene	40.000	38.978	2.6	86	0.00
25		Isophorone	40.000	39.554	1.1	86	0.00
26	C	2-Nitrophenol	40.000	41.274	-3.2	87	0.00
27		2,4-Dimethylphenol	40.000	39.547	1.1	85	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.022	2.4	85	0.00
29	C	2,4-Dichlorophenol	40.000	40.983	-2.5	88	0.00
30		1,2,4-Trichlorobenzene	40.000	40.261	-0.7	88	0.00
31		Naphthalene	40.000	38.564	3.6	86	0.00
32		Benzoic acid	40.000	43.072	-7.7	90	-0.01
33		4-Chloroaniline	40.000	40.265	-0.7	87	0.00
34	C	Hexachlorobutadiene	40.000	40.254	-0.6	88	0.00
35		Caprolactam	40.000	40.543	-1.4	86	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.811	0.5	87	0.00
37		2-Methylnaphthalene	40.000	38.968	2.6	87	0.00
38		1-Methylnaphthalene	40.000	38.877	2.8	87	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	87	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.555	-1.4	89	0.00
41	P	Hexachlorocyclopentadiene	40.000	41.042	-2.6	85	0.00
42	S	2,4,6-Tribromophenol	80.000	81.608	-2.0	89	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.777	-1.9	87	0.00
44		2,4,5-Trichlorophenol	40.000	41.066	-2.7	88	0.00
45	S	2-Fluorobiphenyl	80.000	78.722	1.6	88	0.00
46		1,1'-Biphenyl	40.000	38.622	3.4	87	0.00
47		2-Chloronaphthalene	40.000	38.460	3.8	87	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047148.D
Acq On : 10 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Quant Time: Aug 11 23:52:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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)
48		2-Nitroaniline	40.000	40.230	-0.6	86	0.00
49		Acenaphthylene	40.000	39.270	1.8	88	0.00
50		Dimethylphthalate	40.000	39.364	1.6	87	0.00
51		2,6-Dinitrotoluene	40.000	40.338	-0.8	88	0.00
52	C	Acenaphthene	40.000	38.828	2.9	88	0.00
53		3-Nitroaniline	40.000	40.443	-1.1	87	0.00
54	P	2,4-Dinitrophenol	40.000	40.314	-0.8	85	0.00
55		Dibenzofuran	40.000	38.784	3.0	88	0.00
56	P	4-Nitrophenol	40.000	41.349	-3.4	87	0.00
57		2,4-Dinitrotoluene	40.000	40.635	-1.6	88	0.00
58		Fluorene	40.000	38.859	2.9	88	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.787	-2.0	89	0.00
60		Diethylphthalate	40.000	39.122	2.2	87	0.00
61		4-Chlorophenyl-phenylether	40.000	38.777	3.1	88	0.00
62		4-Nitroaniline	40.000	40.127	-0.3	89	0.00
63		Azobenzene	40.000	37.854	5.4	85	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	88	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.500	-6.3	87	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.293	1.8	88	0.00
67		4-Bromophenyl-phenylether	40.000	40.155	-0.4	89	0.00
68		Hexachlorobenzene	40.000	40.130	-0.3	89	0.00
69		Atrazine	40.000	41.312	-3.3	87	0.00
70	C	Pentachlorophenol	40.000	41.470	-3.7	88	0.00
71		Phenanthrene	40.000	38.967	2.6	88	0.00
72		Anthracene	40.000	39.620	1.0	89	0.00
73		Carbazole	40.000	39.108	2.2	88	0.00
74		Di-n-butylphthalate	40.000	39.675	0.8	87	0.00
75	C	Fluoranthene	40.000	38.982	2.5	87	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	88	0.00
77		Benzidine	40.000	59.321	-48.3#	91	0.00
78		Pyrene	40.000	39.331	1.7	87	0.00
79	S	Terphenyl-d14	80.000	79.687	0.4	88	0.00
80		Butylbenzylphthalate	40.000	41.291	-3.2	87	0.00
81		Benzo(a)anthracene	40.000	39.088	2.3	88	0.00
82		3,3'-Dichlorobenzidine	40.000	43.078	-7.7	89	0.00
83		Chrysene	40.000	38.651	3.4	88	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.349	-0.9	87	0.00
85	c	Di-n-octyl phthalate	40.000	41.304	-3.3	88	0.00
86	I	Perylene-d12	20.000	20.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.535	-1.3	92	0.00
88		Benzo(b)fluoranthene	40.000	38.443	3.9	88	0.00
89		Benzo(k)fluoranthene	40.000	39.350	1.6	90	0.00
90	C	Benzo(a)pyrene	40.000	39.764	0.6	90	0.00
91		Dibenzo(a,h)anthracene	40.000	40.122	-0.3	92	0.00
92		Benzo(g,h,i)perylene	40.000	40.615	-1.5	92	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047148.D
Acq On : 10 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM081024

Quant Time: Aug 11 23:52:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 14 00:00:30 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BP021481.D 5 =BP021482.D 10 =BP021483.D 20 =BP021484.D 40 =BP021485.D 50 =BP021486.D 60 =BP021487.D 80 =BP0214
88.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.685	0.614	0.681	0.642	0.599	0.645	0.605	0.639	5.45
3)		Pyridine		1.744	1.720	1.915	1.802	1.741	1.834	1.725	1.783	4.02
4)		n-Nitrosodimet...		0.545	0.525	0.568	0.532	0.516	0.546	0.519	0.536	3.41
5)	S	2-Fluorophenol		1.332	1.286	1.405	1.348	1.324	1.401	1.333	1.347	3.18
6)		Aniline		1.964	2.035	2.053	1.978	1.925	1.954	1.841	1.964	3.60
7)	S	Phenol-d6		1.897	1.960	2.062	1.978	1.953	1.998	1.905	1.965	2.87
8)		2-Chlorophenol		1.199	1.221	1.291	1.250	1.236	1.285	1.232	1.245	2.68
9)		Benzaldehyde		1.364	1.447	1.409	1.198	1.073	1.057		1.258	13.68
10)	C	Phenol		1.968	2.023	2.138	2.045	2.020	2.077	1.971	2.035	2.94
11)		bis(2-Chloroet...		1.757	1.800	1.787	1.702	1.680	1.690	1.636	1.722	3.53
12)		1,3-Dichlorobe...		1.579	1.479	1.546	1.452	1.422	1.467	1.404	1.479	4.29
13)	C	1,4-Dichlorobe...		1.571	1.514	1.553	1.475	1.435	1.491	1.413	1.493	3.89
14)		1,2-Dichlorobe...		1.523	1.475	1.513	1.410	1.377	1.416	1.356	1.439	4.57
15)		Benzyl Alcohol		1.306	1.454	1.474	1.415	1.417	1.437	1.365	1.410	4.07
16)		2,2'-oxybis(1-...		1.639	1.716	1.642	1.546	1.549	1.532	1.474	1.585	5.23
17)		2-Methylphenol		1.257	1.313	1.350	1.290	1.277	1.288	1.230	1.286	2.99
18)		Hexachloroethane		0.599	0.590	0.617	0.594	0.587	0.614	0.590	0.599	2.04
19)	P	n-Nitroso-di-n...	1.329	1.436	1.555	1.433	1.340	1.308	1.271	1.185	1.357	8.44
20)		3+4-Methylphenols		1.595	1.820	1.795	1.758	1.734	1.769	1.670	1.734	4.49
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.636	0.621	0.643	0.612	0.591	0.609	0.590	0.614	3.32
23)	S	Nitrobenzene-d5		0.300	0.339	0.386	0.410	0.412	0.436	0.430	0.387	13.07
24)		Nitrobenzene		0.338	0.385	0.430	0.443	0.435	0.460	0.454	0.421	10.43
25)		Isophorone		0.947	0.970	0.951	0.913	0.877	0.886	0.864	0.915	4.51
26)	C	2-Nitrophenol		0.054	0.063	0.076	0.094	0.107	0.120		0.086	30.30#
27)		2,4-Dimethylph...		0.218	0.225	0.232	0.225	0.221	0.233	0.227	0.226	2.34
28)		bis(2-Chloroet...		0.577	0.574	0.572	0.549	0.542	0.554	0.543	0.559	2.72
29)	C	2,4-Dichloroph...		0.226	0.249	0.270	0.273	0.275	0.288	0.288	0.267	8.43
30)		1,2,4-Trichlor...		0.355	0.332	0.347	0.340	0.331	0.349	0.343	0.342	2.61
31)		Naphthalene		1.084	1.041	1.074	1.041	1.002	1.046	1.026	1.045	2.65
32)		Benzoic acid			0.082	0.104	0.129	0.151	0.168	0.187	0.137	29.06
33)		4-Chloroaniline		0.394	0.403	0.406	0.395	0.379	0.389	0.381	0.392	2.58
34)	C	Hexachlorobuta...		0.217	0.213	0.218	0.215	0.210	0.219	0.217	0.215	1.50
35)		Caprolactam		0.099	0.115	0.118	0.114	0.109	0.113	0.110	0.111	5.44
36)	C	4-Chloro-3-met...		0.332	0.375	0.382	0.383	0.370	0.378	0.372	0.370	4.74
37)		2-Methylnaphth...		0.747	0.742	0.730	0.705	0.683	0.701	0.683	0.713	3.75
38)		1-Methylnaphth...		0.742	0.735	0.725	0.697	0.673	0.685	0.666	0.703	4.37

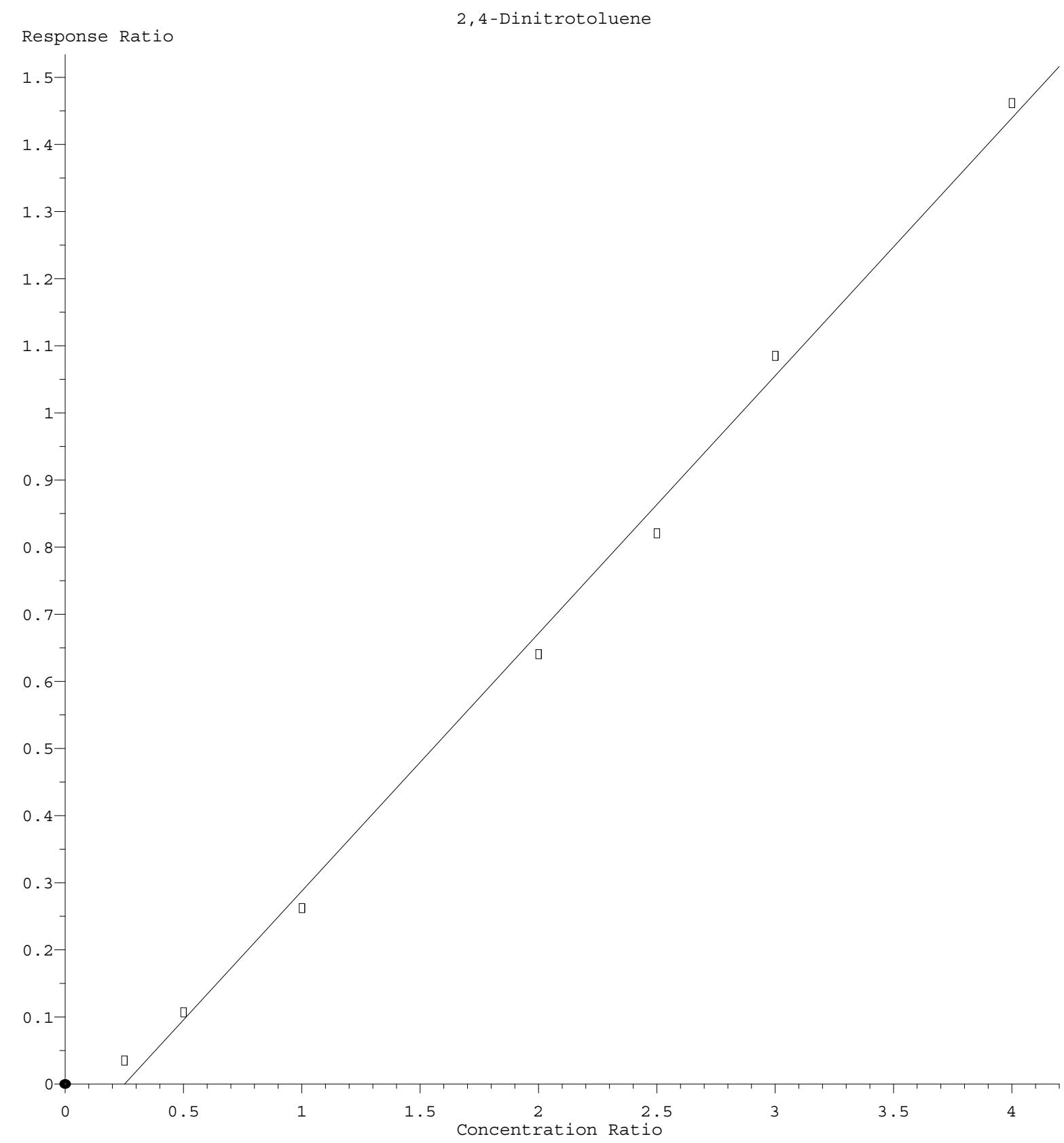
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081324.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.574	0.543	0.592	0.595	0.578	0.616	0.604	0.586	4.05
41)	P	Hexachlorocycl...	0.159	0.153	0.174	0.192	0.195	0.214	0.214	0.186	13.17
42)	S	2,4,6-Tribromo...	0.179	0.204	0.222	0.236	0.231	0.245	0.240	0.223	10.47
43)	C	2,4,6-Trichlor...	0.261	0.284	0.318	0.343	0.339	0.367	0.367	0.326	12.49
44)		2,4,5-Trichlor...	0.284	0.316	0.360	0.382	0.378	0.408	0.404	0.362	12.72
45)	S	2-Fluorobiphenyl	1.371	1.314	1.335	1.327	1.264	1.309	1.253	1.310	3.12
46)		1,1'-Biphenyl	1.462	1.400	1.434	1.428	1.362	1.433	1.386	1.415	2.40
47)		2-Chloronaphth...	1.121	1.075	1.117	1.116	1.065	1.129	1.088	1.102	2.30
48)		2-Nitroaniline	0.146	0.181	0.231	0.285	0.294	0.329	0.328	0.256	28.08
49)		Acenaphthylene	1.660	1.610	1.657	1.645	1.561	1.633	1.570	1.619	2.51
50)		Dimethylphthalate	1.387	1.365	1.369	1.352	1.276	1.340	1.287	1.339	3.17
51)		2,6-Dinitrotol...	0.129	0.187	0.227	0.255	0.261	0.282	0.283	0.232	24.32
52)	C	Acenaphthene	1.094	1.058	1.074	1.073	1.023	1.072	1.042	1.063	2.23
53)		3-Nitroaniline	0.127	0.185	0.221	0.254	0.254	0.279	0.277	0.228	24.33
54)	P	2,4-Dinitrophenol		0.045	0.052	0.066	0.073	0.085	0.093	0.069	27.01
55)		Dibenzofuran	1.735	1.637	1.677	1.649	1.563	1.607	1.575	1.635	3.67
56)	P	4-Nitrophenol		0.141	0.177	0.202	0.201	0.225	0.223	0.195	16.26
57)		2,4-Dinitrotol...	0.140	0.214	0.262	0.320	0.328	0.362	0.365	0.284	29.47
58)		Fluorene	1.431	1.400	1.408	1.354	1.260	1.315	1.233	1.343	5.70
59)		2,3,4,6-Tetrac...	0.250	0.278	0.302	0.328	0.317	0.340	0.333	0.307	10.67
60)		Diethylphthalate	1.405	1.395	1.427	1.397	1.318	1.368	1.310	1.374	3.26
61)		4-Chlorophenyl...	0.741	0.724	0.718	0.695	0.656	0.680	0.644	0.694	5.19
62)		4-Nitroaniline	0.148	0.198	0.242	0.273	0.262	0.288	0.278	0.241	21.07
63)		Azobenzene	1.797	1.779	1.778	1.714	1.555	1.648	1.555	1.689	6.21
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.031	0.039	0.052	0.060	0.069	0.075	0.054	30.94
66)	c	n-Nitrosodiphe...	0.534	0.541	0.549	0.538	0.523	0.534	0.531	0.536	1.52
67)		4-Bromophenyl-...	0.211	0.210	0.212	0.207	0.210	0.215	0.216	0.212	1.39
68)		Hexachlorobenzene	0.255	0.249	0.250	0.252	0.245	0.252	0.248	0.250	1.32
69)		Atrazine	0.181	0.186	0.196	0.191	0.179	0.182	0.174	0.184	4.00
70)	C	Pentachlorophenol		0.108	0.125	0.137	0.143	0.151	0.156	0.137	13.07
71)		Phenanthrene	0.990	0.963	0.998	0.965	0.932	0.952	0.932	0.962	2.71
72)		Anthracene	0.954	0.955	0.970	0.950	0.915	0.943	0.915	0.943	2.21
73)		Carbazole	0.908	0.906	0.941	0.930	0.873	0.913	0.892	0.909	2.49
74)		Di-n-butylphth...	1.049	1.065	1.149	1.149	1.133	1.144	1.126	1.116	3.75
75)	C	Fluoranthene	1.215	1.153	1.233	1.200	1.137	1.179	1.144	1.180	3.17
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.297	0.451	0.477	0.476	0.408	0.409	0.420	16.09
78)		Pyrene	1.283	1.470	1.295	1.290	1.262	1.270	1.282	1.307	5.55
79)	S	Terphenyl-d14	1.069	1.196	1.034	1.006	0.973	0.994	0.935	1.029	8.24
80)		Butylbenzylpht...	0.298	0.365	0.411	0.470	0.489	0.508	0.519	0.437	18.83
81)		Benzo(a)anthra...	1.271	1.247	1.291	1.268	1.224	1.244	1.242	1.256	1.79
82)		3,3'-Dichlorob...	0.349	0.358	0.413	0.428	0.419	0.429	0.422	0.403	8.47
83)		Chrysene	1.213	1.180	1.205	1.197	1.151	1.182	1.169	1.185	1.81
84)		Bis(2-ethylhex...	0.607	0.635	0.741	0.781	0.804	0.800	0.826	0.742	11.70
85)	c	Di-n-octyl pht...		0.839	1.115	1.247	1.285	1.332	1.376	1.199	16.51

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081324.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.244	1.156	1.317	1.327	1.297	1.384	1.350	1.296	5.84
88)		Benzo(b)fluora...	1.106	1.152	1.158	1.155	1.119	1.189	1.163	1.149	2.42
89)		Benzo(k)fluora...	1.115	1.101	1.124	1.141	1.103	1.150	1.110	1.121	1.69
90)	C	Benzo(a)pyrene	0.953	0.953	1.003	1.012	0.996	1.040	1.019	0.997	3.28
91)		Dibenzo(a,h)an...	1.034	0.965	1.106	1.102	1.080	1.144	1.109	1.077	5.54
92)		Benzo(g,h,i)pe...	1.052	0.955	1.096	1.102	1.074	1.151	1.128	1.080	5.91

(#) = Out of Range



Response = 3.838e-001 * Amt - 9.639e-002
Coef of Det (r^2) = 0.996361 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP081324.M
Calibration Table Last Updated: Wed Aug 14 00:00:30 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021481.D
Acq On : 13 Aug 2024 12:32
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 13 23:06:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:03:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	291697	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	1211879	20.000	ng	-0.01
39) Acenaphthene-d10	14.445	164	840945	20.000	ng	-0.01
64) Phenanthrene-d10	17.239	188	1860621	20.000	ng	-0.01
76) Chrysene-d12	21.704	240	1845246	20.000	ng	0.00
86) Perylene-d12	25.115	264	2154249	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.599	70	48460	2.448	ng	99

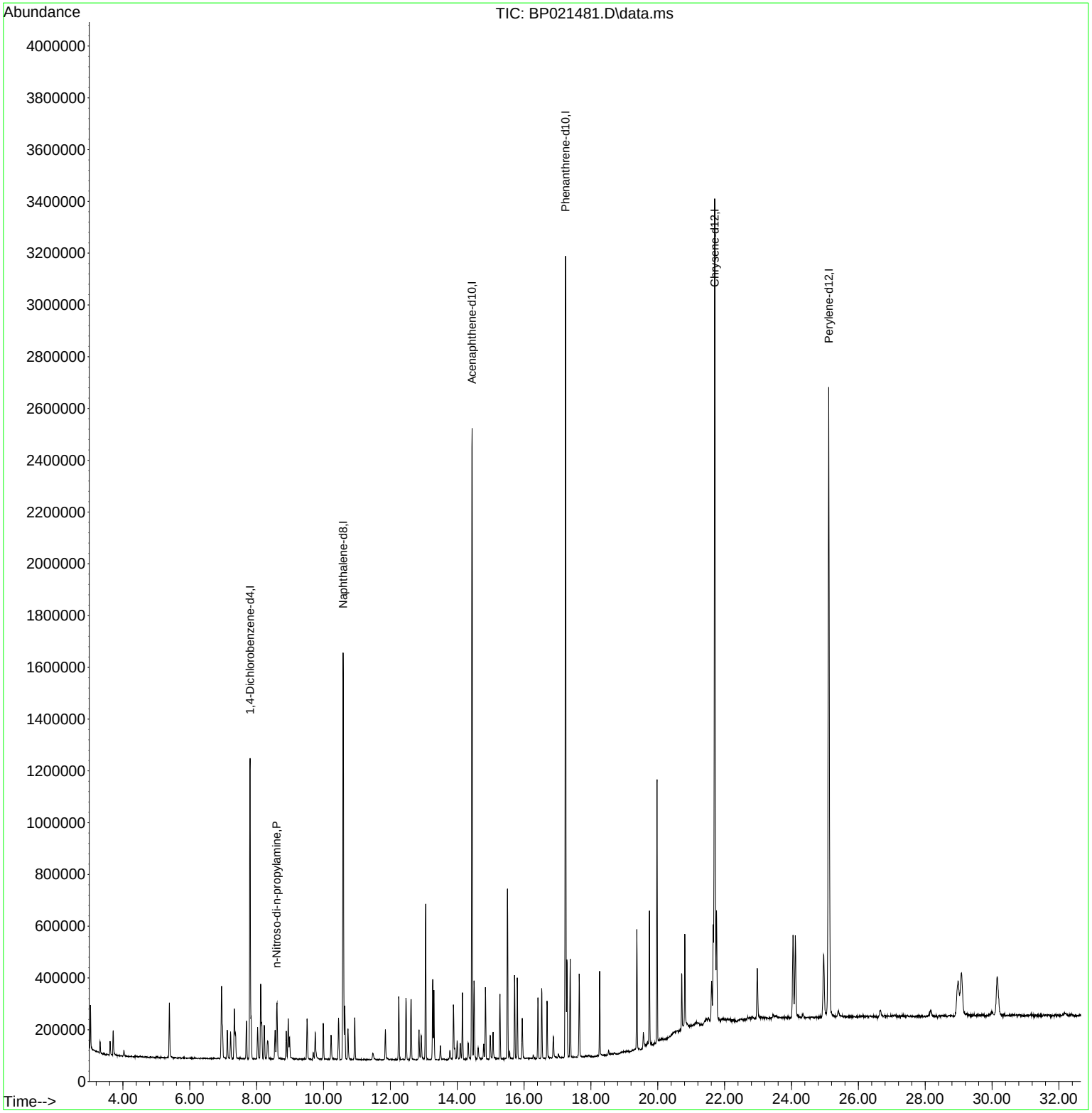
(#) = qualifier out of range (m) = manual integration (+) = signals summed

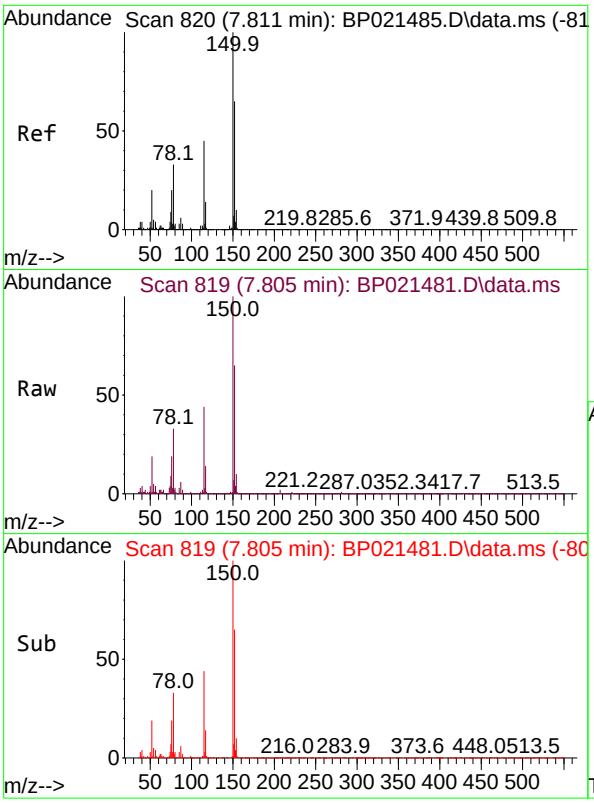
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021481.D
Acq On : 13 Aug 2024 12:32
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 13 23:06:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:03:48 2024
Response via : Initial Calibration



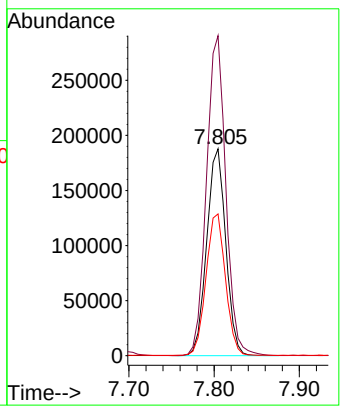


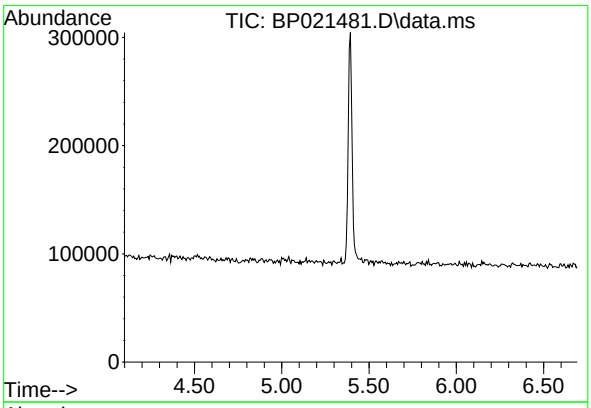
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 291697

Ion	Ratio	Lower	Upper
152	100		
150	154.6	122.4	183.6
115	68.5	54.7	82.1



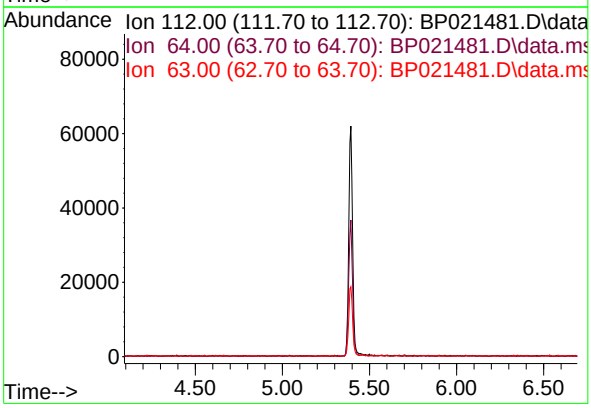


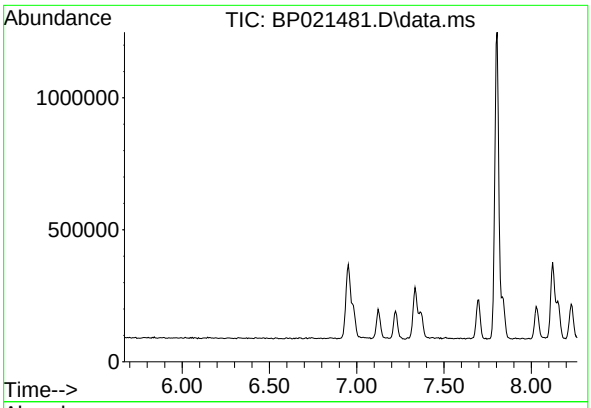
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.39 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	61.3
63	30.7





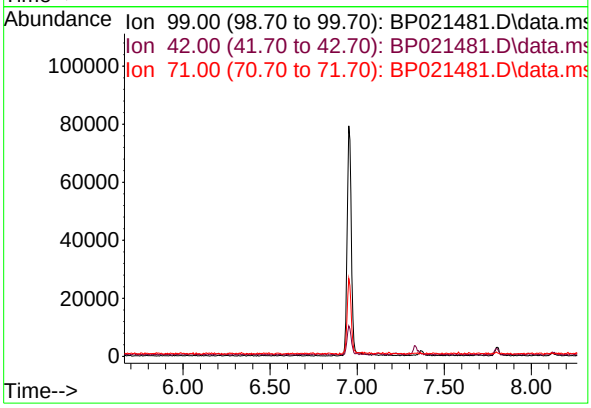
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.96 min

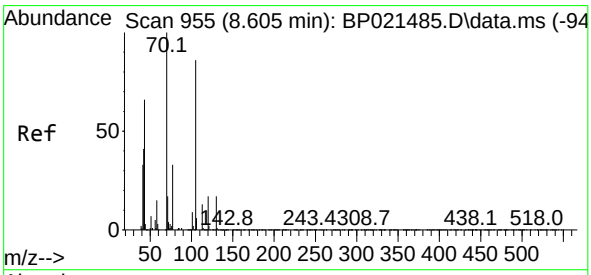
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

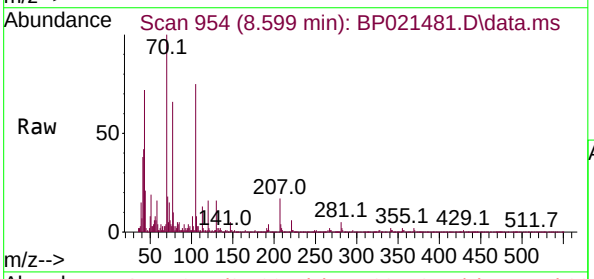
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

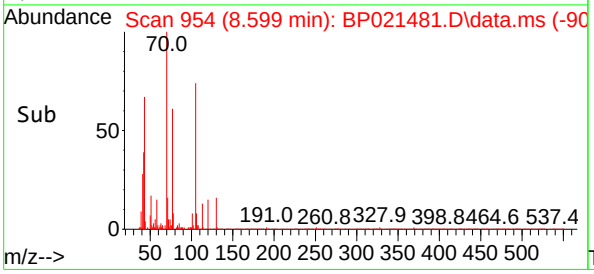
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	12.8
71	32.3





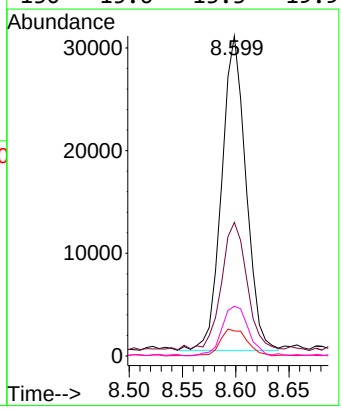


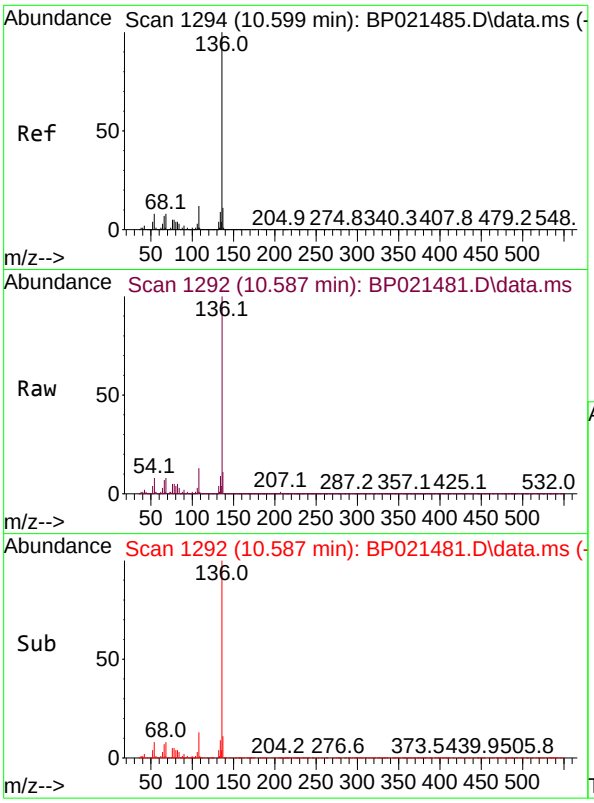


#19
n-Nitroso-di-n-propylamine
Concen: 2.448 ng
RT: 8.599 min Scan# 954
Delta R.T. -0.006 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 70 Resp: 48460

Ion	Ratio	Lower	Upper
70	100		
42	41.7	33.1	49.7
101	7.8	7.4	11.2
130	15.6	13.3	19.9



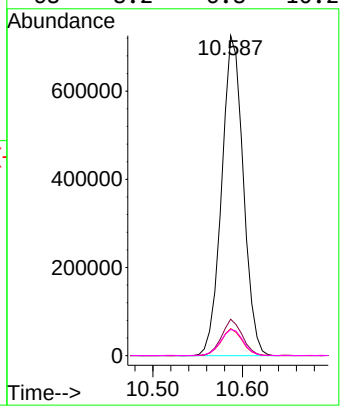


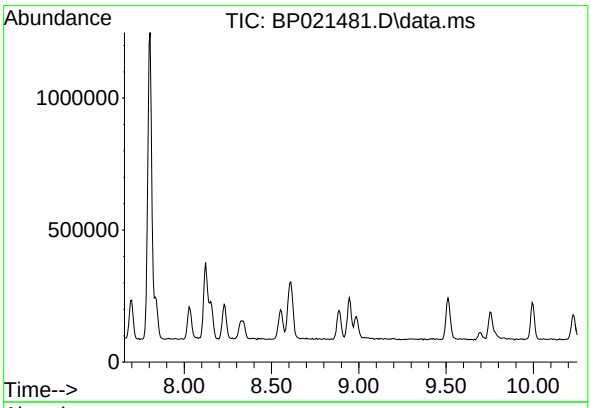
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 1211879

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	8.4	6.3	9.5
68	8.2	6.8	10.2



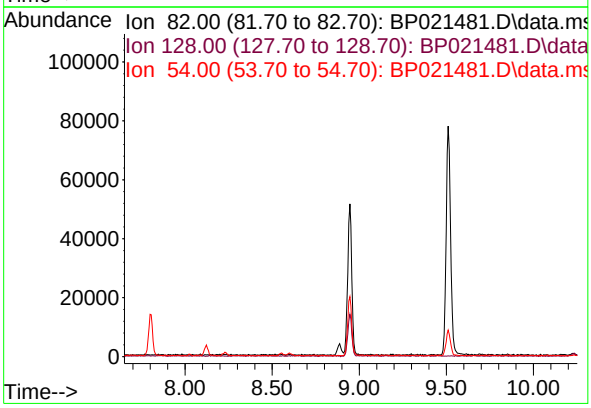


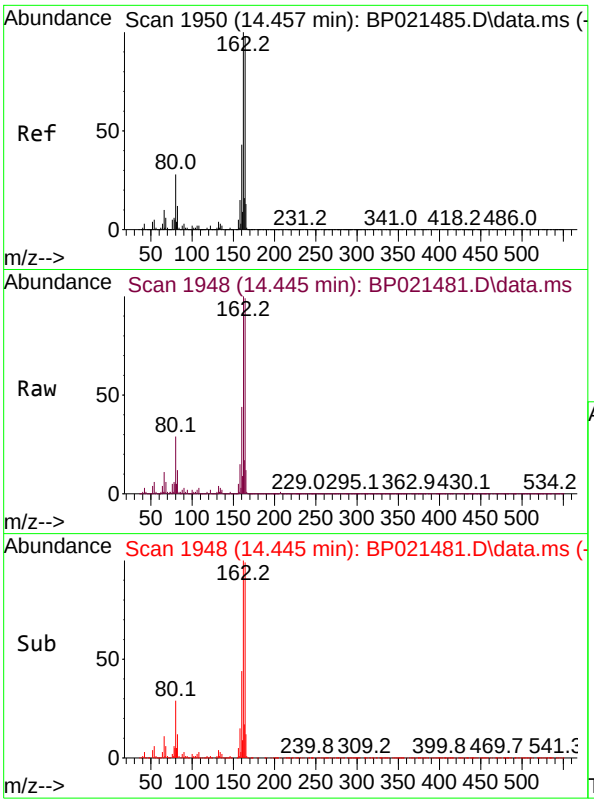
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.95 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	33.1
54	37.9



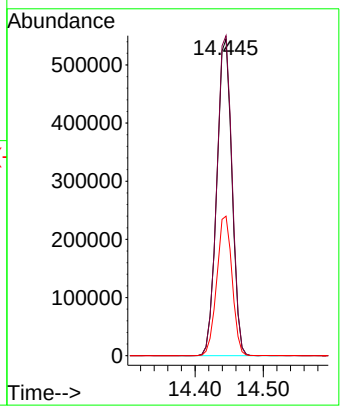


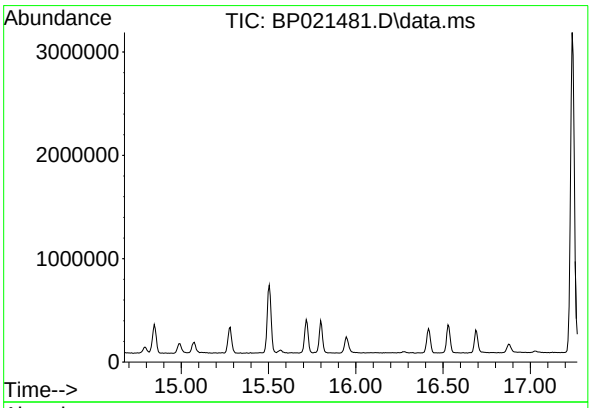
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 840945

Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.5	122.3
160	44.1	35.2	52.8



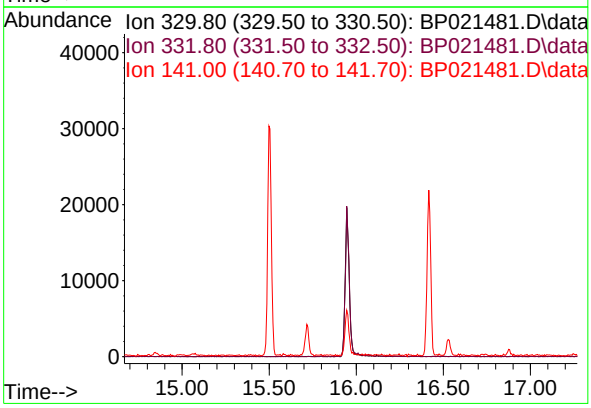


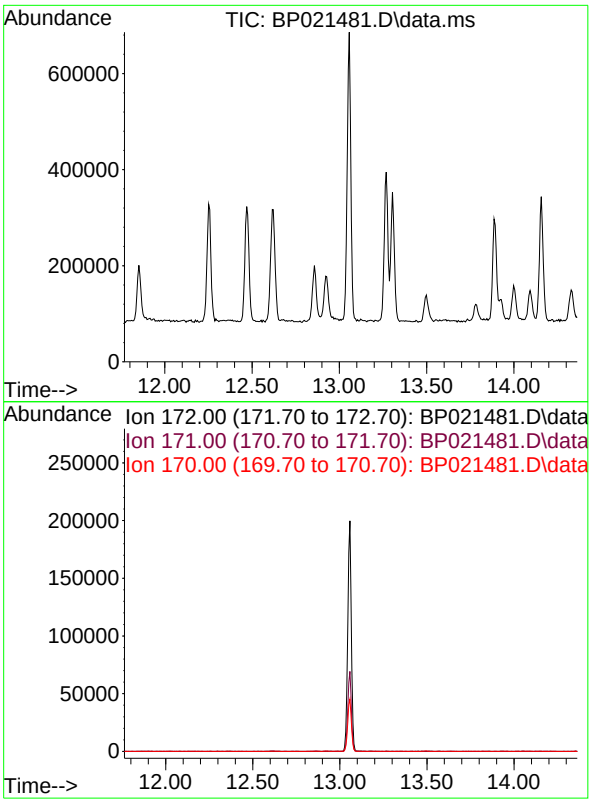
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.97 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.7
141	30.6





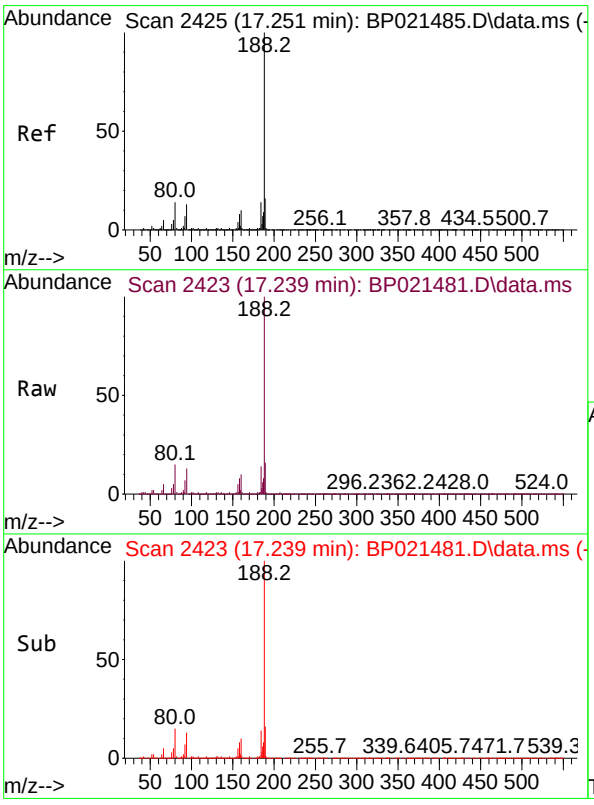
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.06 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

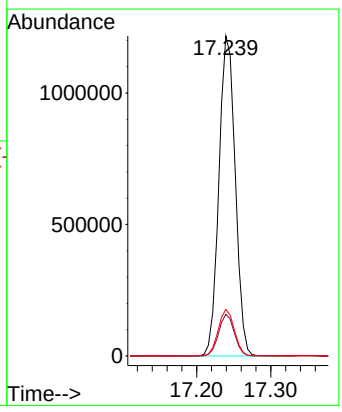
Sig	Exp Ratio
172	100
171	35.3
170	23.0

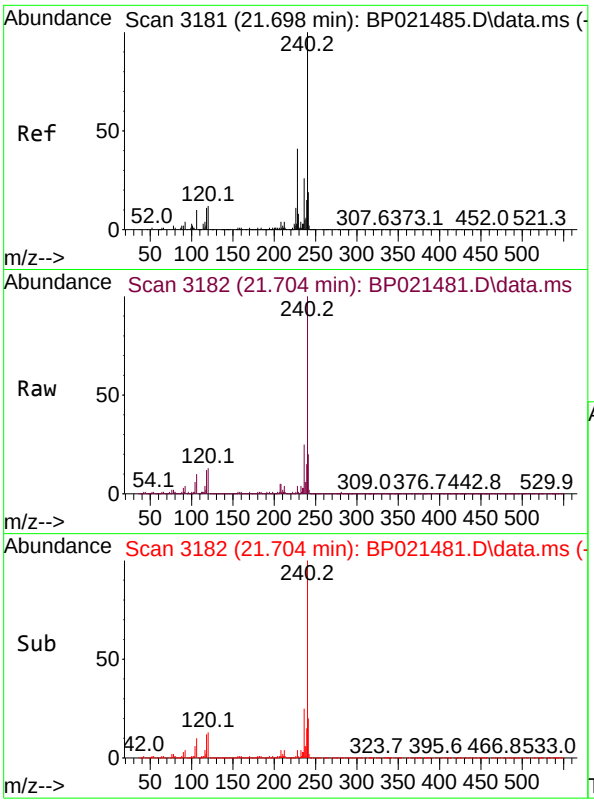


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion:188 Resp: 1860621

Ion	Ratio	Lower	Upper
188	100		
94	13.0	10.2	15.4
80	14.6	11.6	17.4



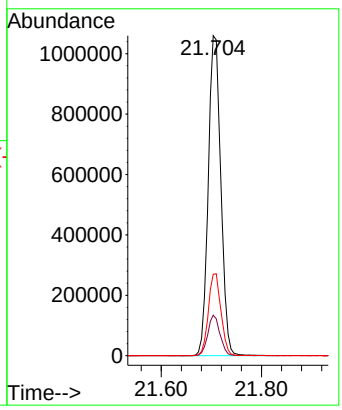


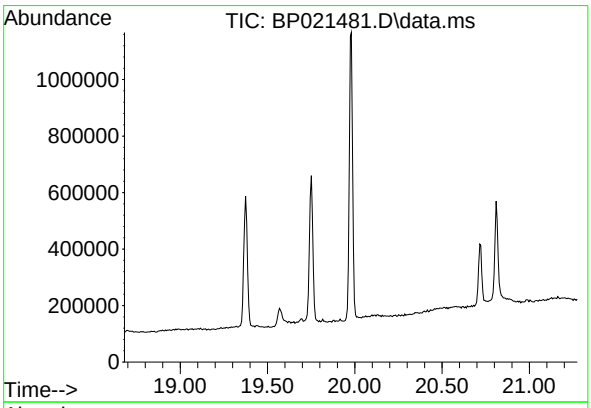
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.704 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1845246

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.9	14.9
236	25.4	20.6	30.8



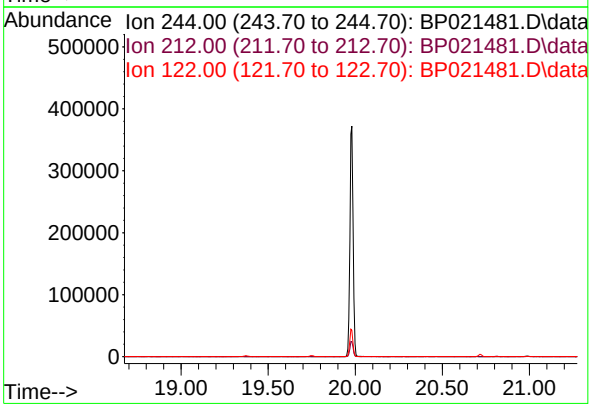


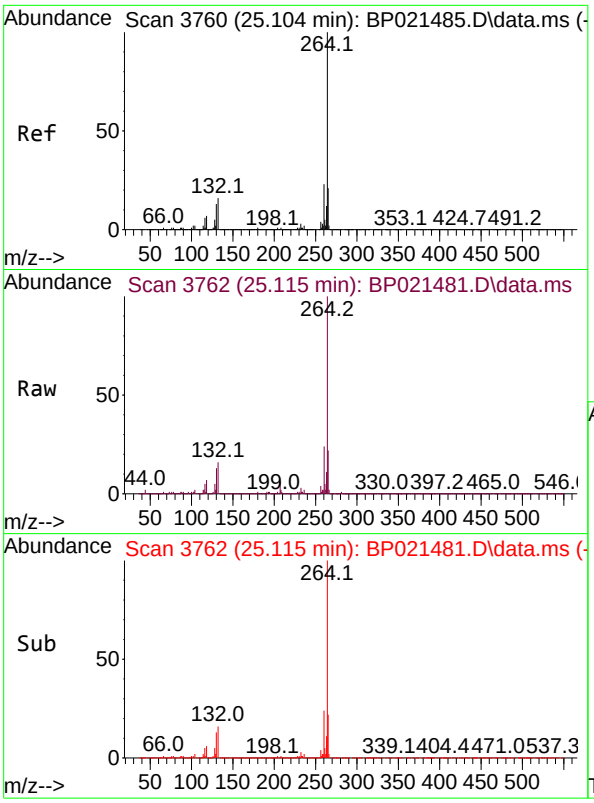
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.97 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.0
122	11.8



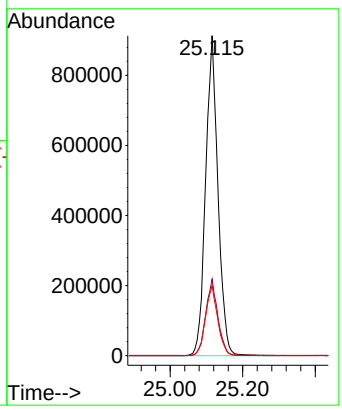


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.115 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 2154249

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.8	17.1	25.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021482.D
Acq On : 13 Aug 2024 13:15
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.804	152	312360	20.000	ng		0.00
21) Naphthalene-d8	10.587	136	1334707	20.000	ng		-0.01
39) Acenaphthene-d10	14.451	164	933864	20.000	ng		0.00
64) Phenanthrene-d10	17.257	188	2070828	20.000	ng		0.00
76) Chrysene-d12	21.698	240	2040393	20.000	ng		0.00
86) Perylene-d12	25.115	264	2299535	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	208031	9.889	ng		0.00
7) Phenol-d6	6.957	99	296244	9.654	ng		0.00
23) Nitrobenzene-d5	8.946	82	199944	7.732	ng		0.00
42) 2,4,6-Tribromophenol	15.963	330	83806	8.063	ng		0.00
45) 2-Fluorobiphenyl	13.063	172	640316	10.464	ng		0.00
79) Terphenyl-d14	19.980	244	1090116	10.379	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	53510	5.365	ng		98
3) Pyridine	3.711	79	136152	4.890	ng		99
4) n-Nitrosodimethylamine	3.616	42	42551	5.084	ng	#	92
6) Aniline	7.128	93	153398	5.000	ng		97
8) 2-Chlorophenol	7.369	128	93591	4.814	ng		99
9) Benzaldehyde	6.946	77	106515	5.421	ng		99
10) Phenol	6.981	94	153713	4.837	ng		98
11) bis(2-Chloroethyl)ether	7.228	93	137203	5.103	ng		99
12) 1,3-Dichlorobenzene	7.699	146	123281	5.339	ng		99
13) 1,4-Dichlorobenzene	7.840	146	122689	5.262	ng		97
14) 1,2-Dichlorobenzene	8.157	146	118950	5.294	ng		99
15) Benzyl Alcohol	8.028	79	101967	4.631	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.334	45	127954	5.167	ng		98
17) 2-Methylphenol	8.228	107	98168	4.887	ng		96
18) Hexachloroethane	8.887	117	46773	5.002	ng		97
19) n-Nitroso-di-n-propyla...	8.599	70	112153	5.291	ng		98
20) 3+4-Methylphenols	8.551	107	124528	4.597	ng		97
22) Acetophenone	8.610	105	212108	5.173	ng	#	98
24) Nitrobenzene	8.987	77	112817	4.017	ng		97
25) Isophorone	9.516	82	315900	5.171	ng		99
26) 2-Nitrophenol	9.698	139	18035	4.396	ng		97
27) 2,4-Dimethylphenol	9.757	122	72762	4.826	ng		99
28) bis(2-Chloroethoxy)met...	9.993	93	192662	5.167	ng		100
29) 2,4-Dichlorophenol	10.228	162	75312	4.228	ng		95
30) 1,2,4-Trichlorobenzene	10.451	180	118446	5.186	ng		95
31) Naphthalene	10.640	128	361804	5.189	ng		99
33) 4-Chloroaniline	10.740	127	131360	5.015	ng		97
34) Hexachlorobutadiene	10.940	225	72436	5.038	ng		97
35) Caprolactam	11.475	113	33090	4.463	ng		98
36) 4-Chloro-3-methylphenol	11.857	107	110736	4.481	ng		97
37) 2-Methylnaphthalene	12.251	142	249268	5.238	ng		98
38) 1-Methylnaphthalene	12.475	142	247615	5.276	ng		100
40) 1,2,4,5-Tetrachloroben...	12.622	216	133916	4.894	ng		99
41) Hexachlorocyclopentadiene	12.616	237	37190	4.288	ng		96
43) 2,4,6-Trichlorophenol	12.857	196	60845	4.003	ng		98
44) 2,4,5-Trichlorophenol	12.928	196	66306	3.926	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021482.D
Acq On : 13 Aug 2024 13:15
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.275	154	341430	5.168	ng		99
47) 2-Chloronaphthalene	13.310	162	261761	5.089	ng		99
48) 2-Nitroaniline	13.498	65	34186	7.264	ng		97
49) Acenaphthylene	14.163	152	387614	5.126	ng		99
50) Dimethylphthalate	13.898	163	323804	5.178	ng		99
51) 2,6-Dinitrotoluene	14.010	165	30050	6.169	ng	#	81
52) Acenaphthene	14.516	154	255510	5.150	ng		99
53) 3-Nitroaniline	14.334	138	29621	6.160	ng	#	79
55) Dibenzofuran	14.851	168	405023	5.307	ng		99
57) 2,4-Dinitrotoluene	14.804	165	32636	6.843	ng		90
58) Fluorene	15.516	166	333975	5.326	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.086	232	58426	4.076	ng	#	98
60) Diethylphthalate	15.281	149	328116	5.113	ng		99
61) 4-Chlorophenyl-phenyle...	15.510	204	173085	5.340	ng		100
62) 4-Nitroaniline	15.510	138	34574	5.481	ng	#	67
63) Azobenzene	15.810	77	419466	5.318	ng		98
66) n-Nitrosodiphenylamine	15.728	169	276698	4.986	ng		99
67) 4-Bromophenyl-phenylether	16.428	248	109250	4.985	ng		97
68) Hexachlorobenzene	16.545	284	132184	5.104	ng		97
69) Atrazine	16.692	200	93767	4.921	ng		99
71) Phenanthrene	17.292	178	512757	5.149	ng		99
72) Anthracene	17.386	178	493987	5.058	ng		99
73) Carbazole	17.669	167	470253	4.996	ng		99
74) Di-n-butylphthalate	18.269	149	542975	4.697	ng		99
75) Fluoranthene	19.380	202	629080	5.148	ng		99
78) Pyrene	19.757	202	654333	4.906	ng		100
80) Butylbenzylphthalate	20.710	149	152079	6.382	ng		95
81) Benzo(a)anthracene	21.680	228	648521	5.063	ng		100
82) 3,3'-Dichlorobenzidine	21.592	252	178137	4.338	ng		98
83) Chrysene	21.745	228	618621	5.115	ng		99
84) Bis(2-ethylhexyl)phtha...	21.651	149	309738	4.091	ng		100
87) Indeno(1,2,3-cd)pyrene	28.962	276	715393m	4.800	ng		
88) Benzo(b)fluoranthene	24.015	252	636027	4.816	ng		99
89) Benzo(k)fluoranthene	24.092	252	640982	4.975	ng		99
90) Benzo(a)pyrene	24.939	252	548144	4.783	ng		100
91) Dibenzo(a,h)anthracene	29.068	278	594702	4.802	ng		98
92) Benzo(g,h,i)perylene	30.162	276	604771	4.872	ng		96

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

ICAL Form

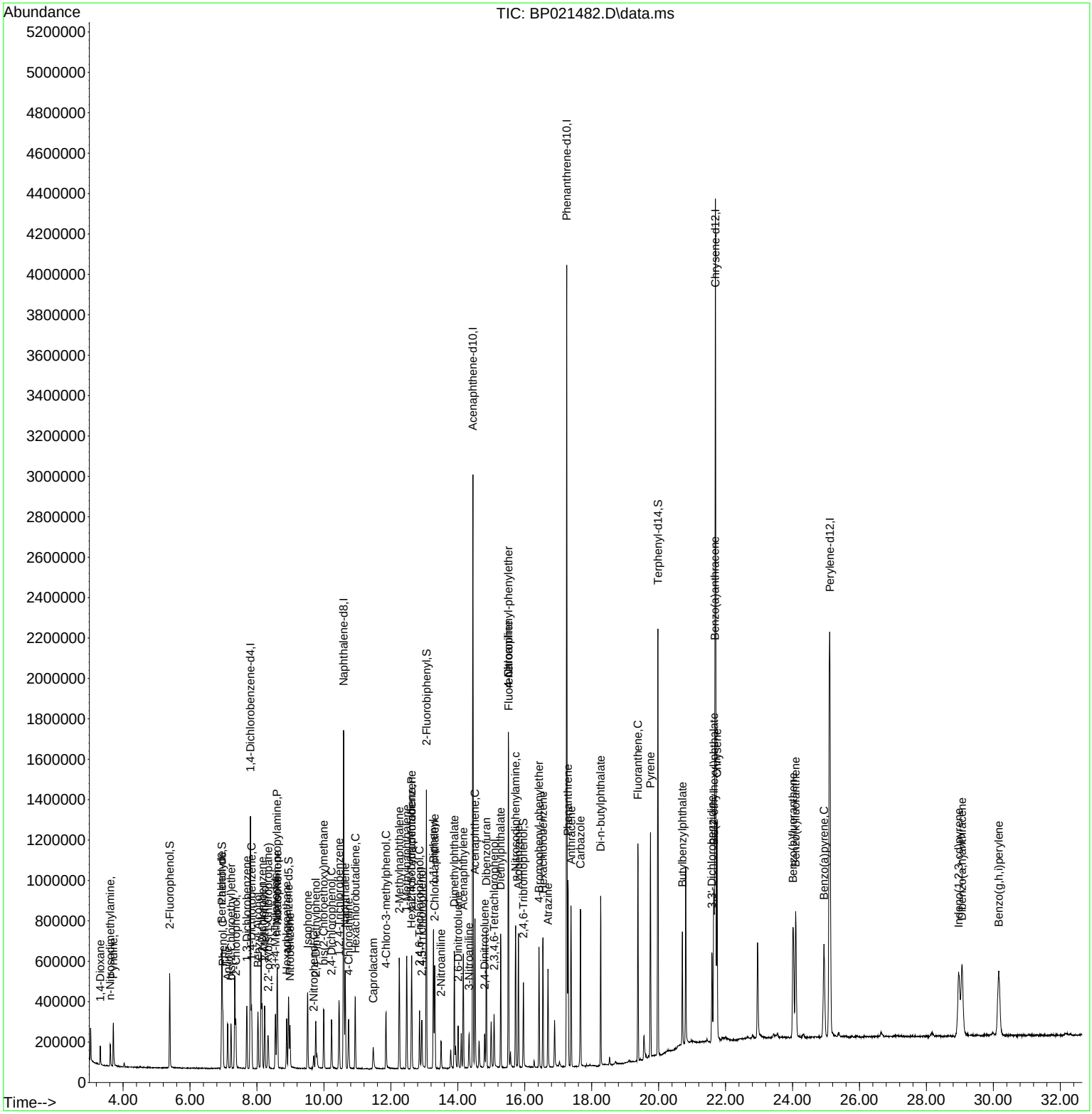
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021482.D
Acq On : 13 Aug 2024 13:15
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

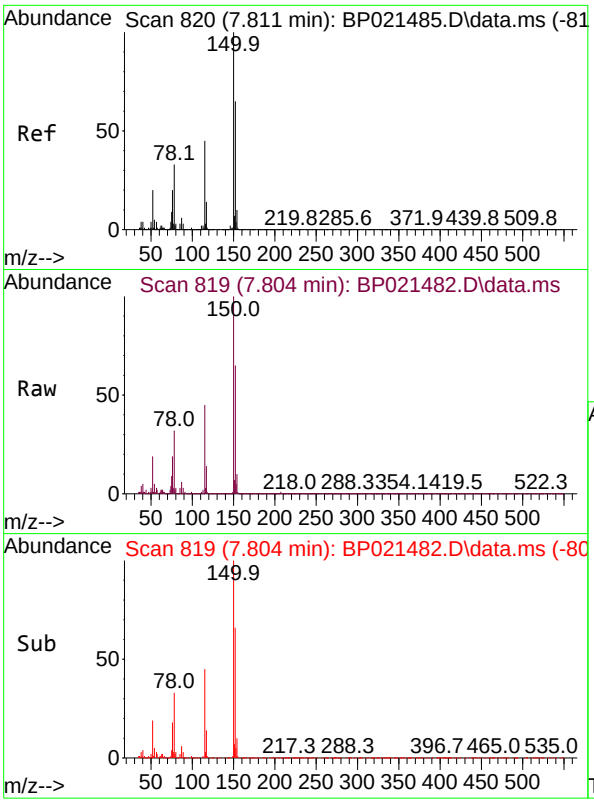
Quant Time: Aug 13 23:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

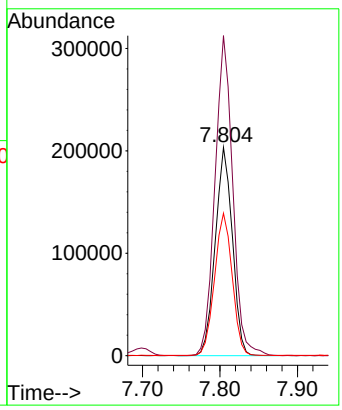




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 8
Delta R.T. -0.007 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:152 Resp: 31236

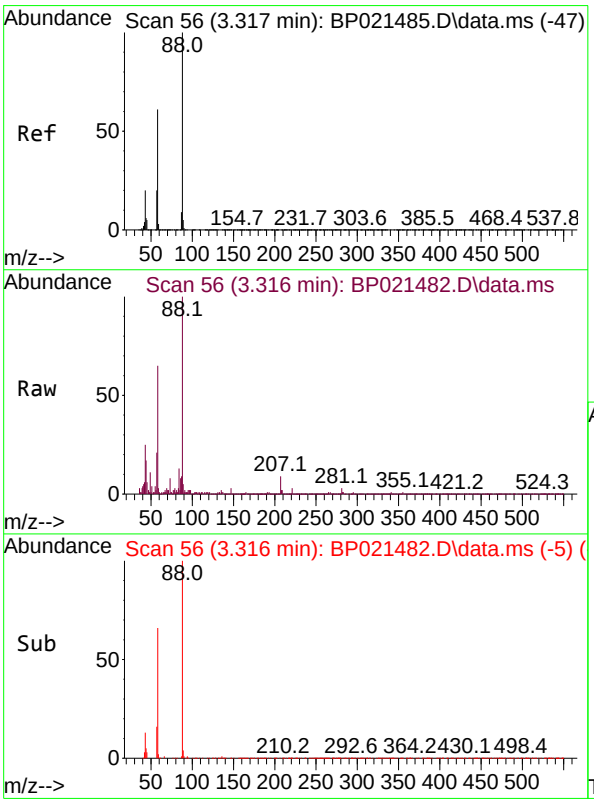
Ion	Ratio	Lower	Upper
152	100		
150	153.6	122.4	183.6
115	68.4	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

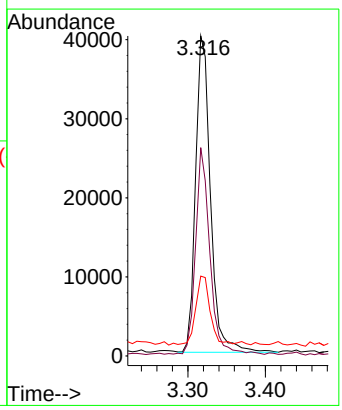
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

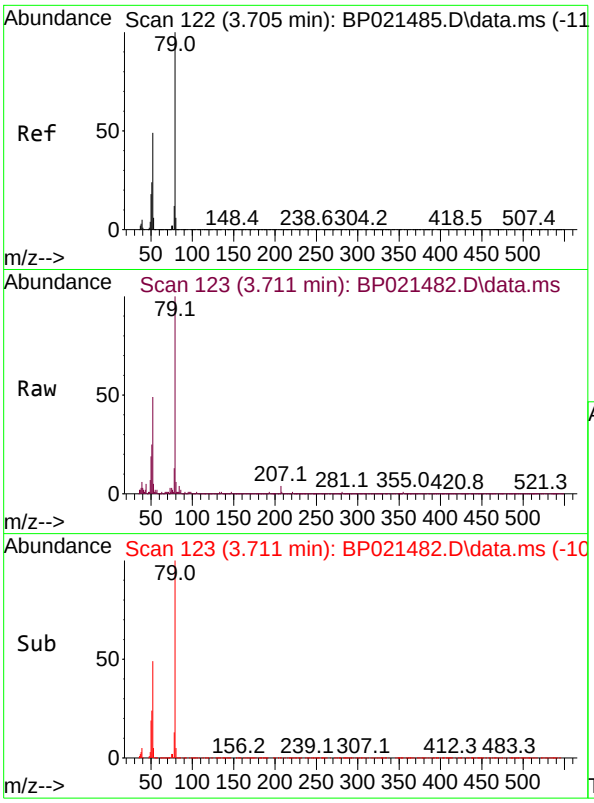


#2
1,4-Dioxane
Concen: 5.365 ng
RT: 3.316 min Scan# 56
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 88 Resp: 53510

Ion	Ratio	Lower	Upper
88	100		
58	62.2	48.7	73.1
43	20.5	15.4	23.2

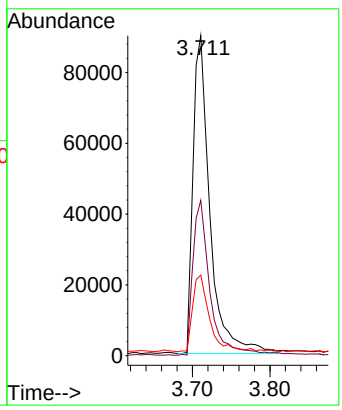




#3
Pyridine
Concen: 4.890 ng
RT: 3.711 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 79 Resp: 13615

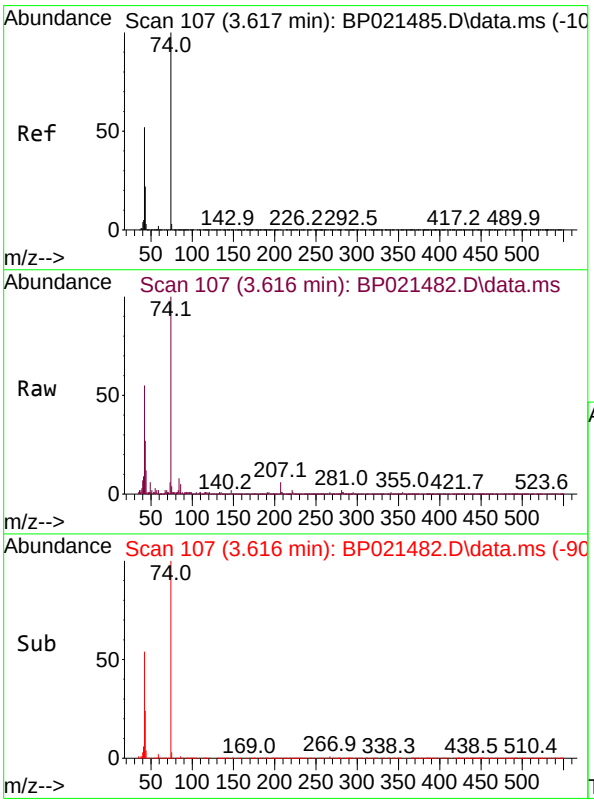
Ion	Ratio	Lower	Upper
79	100		
52	48.5	39.0	58.6
51	25.2	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

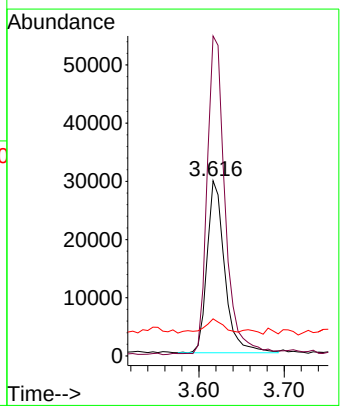
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

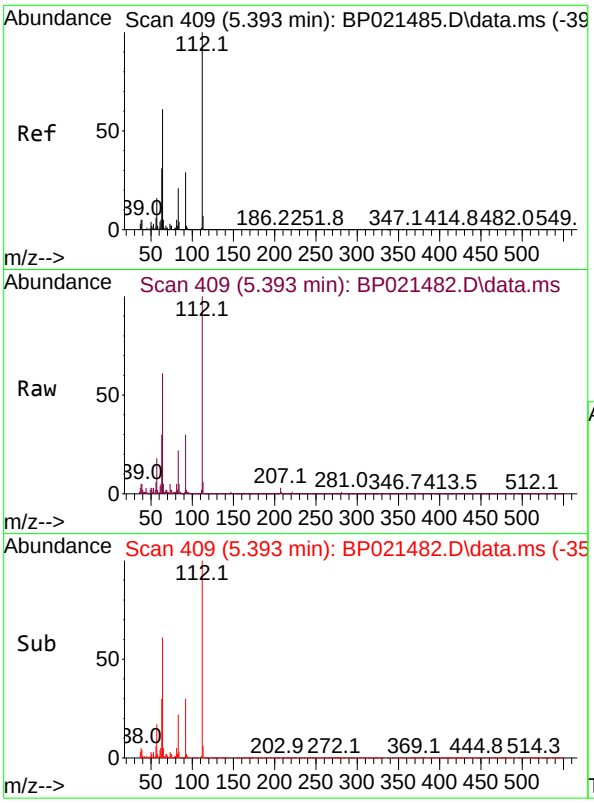


#4
n-Nitrosodimethylamine
Concen: 5.084 ng
RT: 3.616 min Scan# 107
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 42 Resp: 42551

Ion	Ratio	Lower	Upper
42	100		
74	182.7	154.3	231.5
44	21.2	6.2	9.4#





#5
2-Fluorophenol
Concen: 9.889 ng
RT: 5.393 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

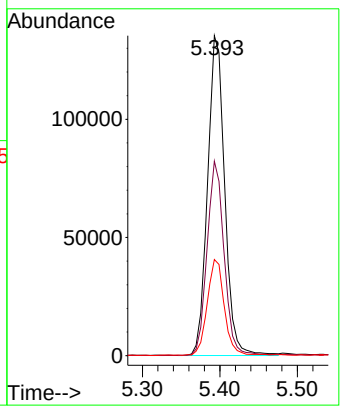
Tgt Ion:112 Resp: 20803

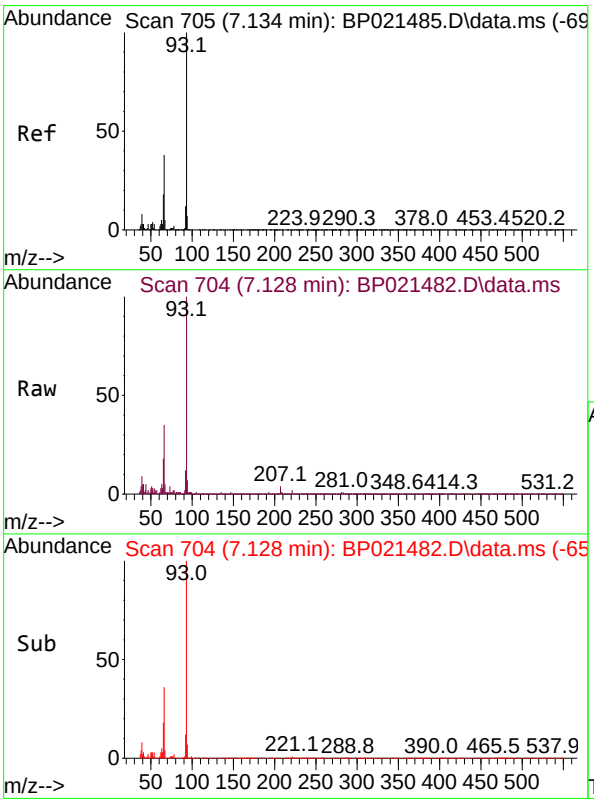
Ion	Ratio	Lower	Upper
112	100		
64	60.8	49.0	73.6
63	30.0	24.6	36.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

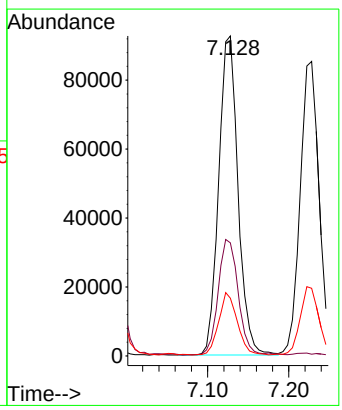


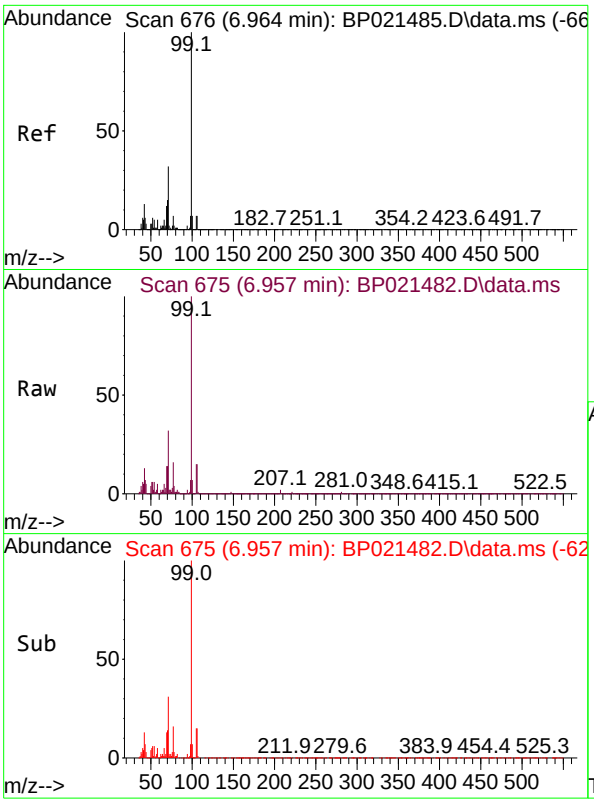


#6
Aniline
Concen: 5.000 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 93 Resp: 153398

Ion	Ratio	Lower	Upper
93	100		
66	35.4	30.2	45.2
65	18.0	14.7	22.1

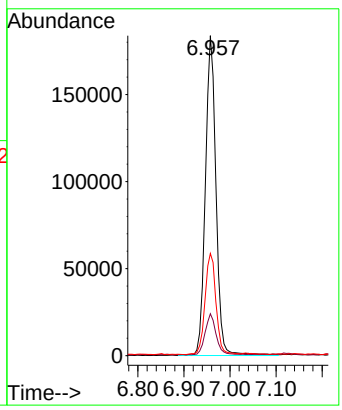




#7
Phenol-d6
Concen: 9.654 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 99 Resp: 29624

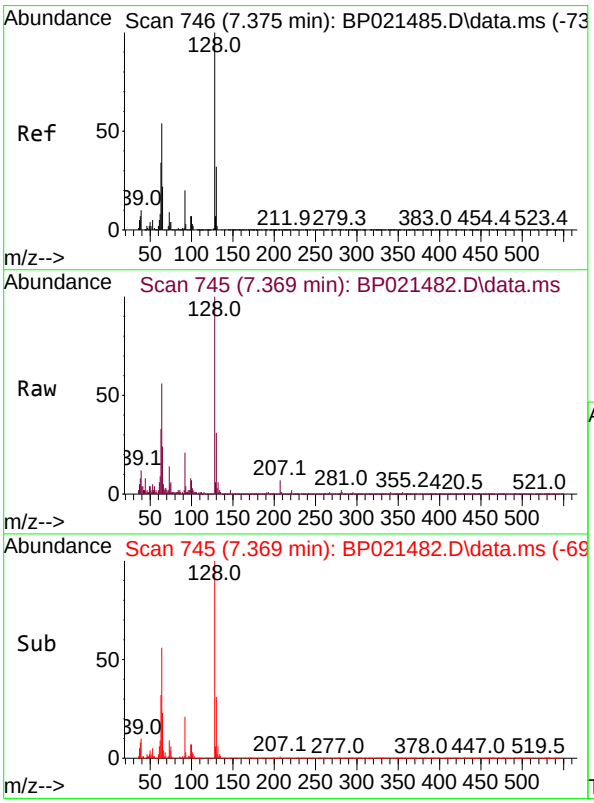
Ion	Ratio	Lower	Upper
99	100		
42	13.1	10.2	15.4
71	32.0	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

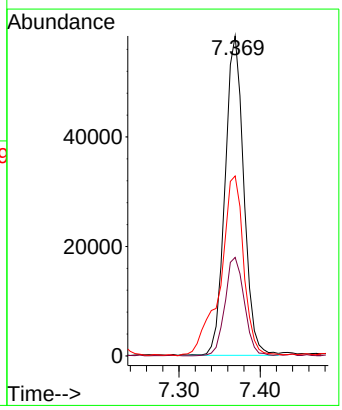
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

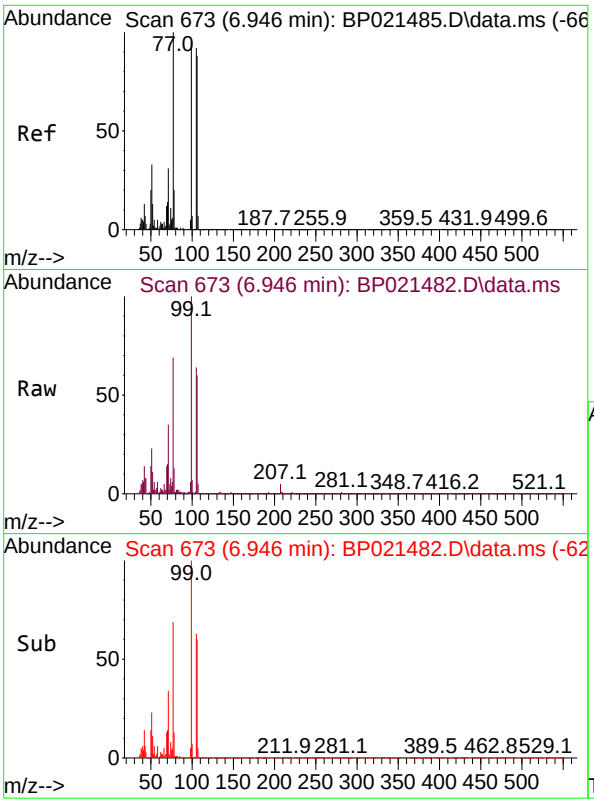


#8
2-Chlorophenol
Concen: 4.814 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:128 Resp: 93591

Ion	Ratio	Lower	Upper
128	100		
130	30.8	11.6	51.6
64	56.2	35.3	75.3

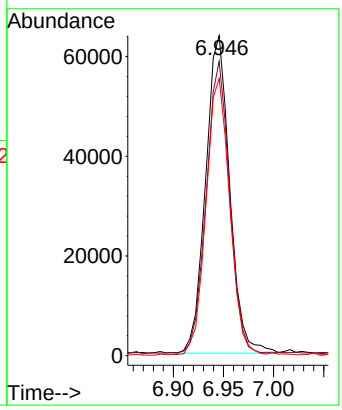




#9
Benzaldehyde
Concen: 5.421 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 77 Resp: 10651

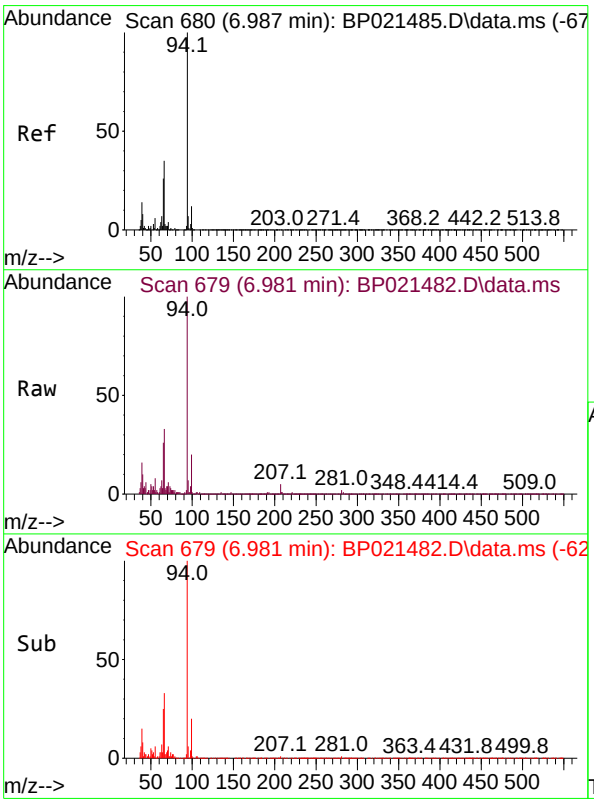
Ion	Ratio	Lower	Upper
77	100		
105	91.9	72.1	112.1
106	86.6	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

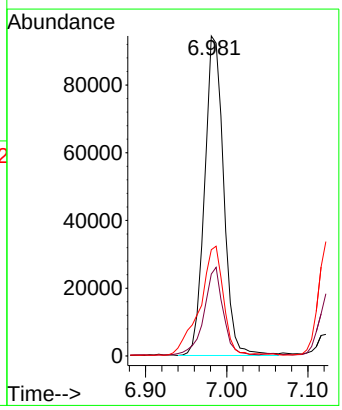
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

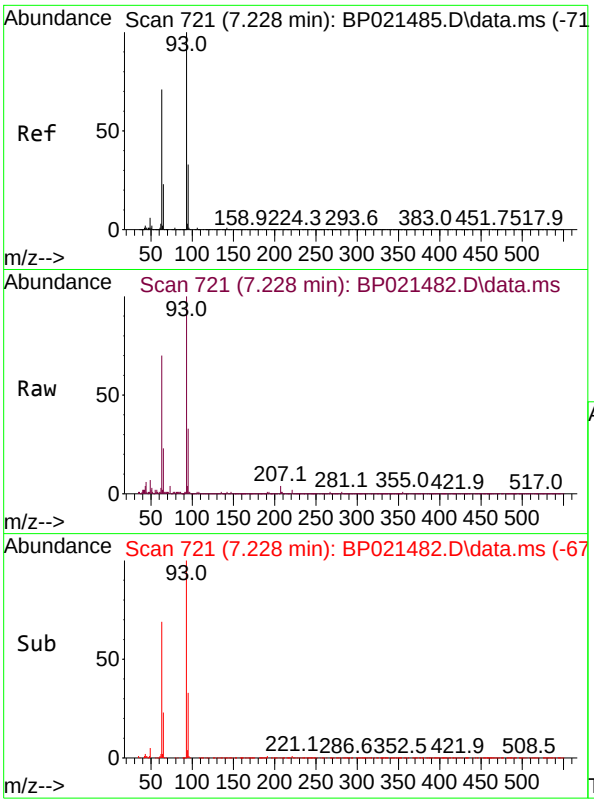


#10
Phenol
Concen: 4.837 ng
RT: 6.981 min Scan# 679
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 94 Resp: 153713

Ion	Ratio	Lower	Upper
94	100		
65	25.6	6.5	46.5
66	33.2	14.7	54.7

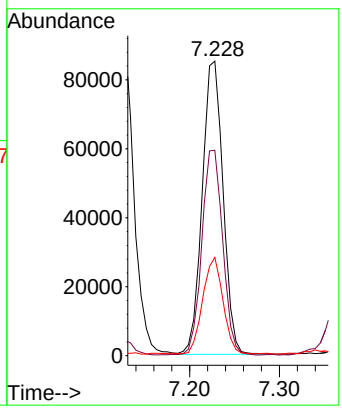




#11
bis(2-Chloroethyl)ether
Concen: 5.103 ng
RT: 7.228 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 93 Resp: 13720

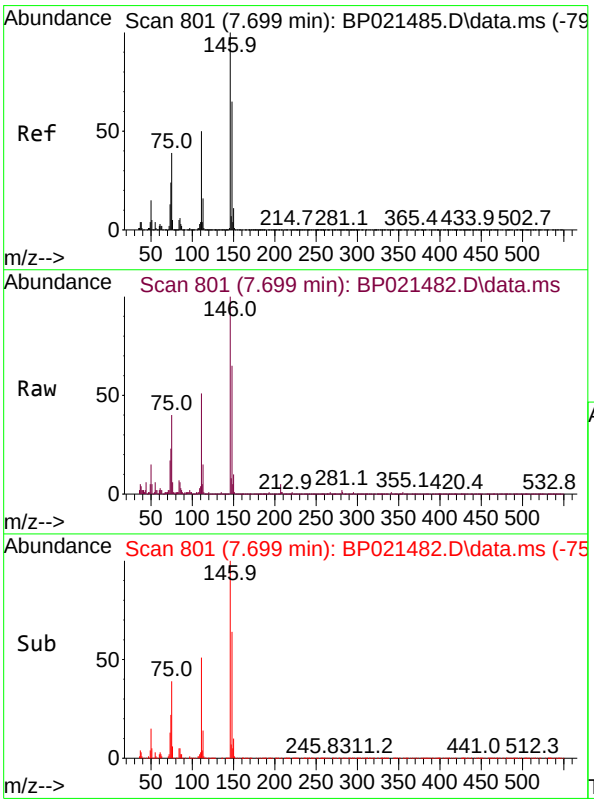
Ion	Ratio	Lower	Upper
93	100		
63	69.8	51.0	91.0
95	33.4	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

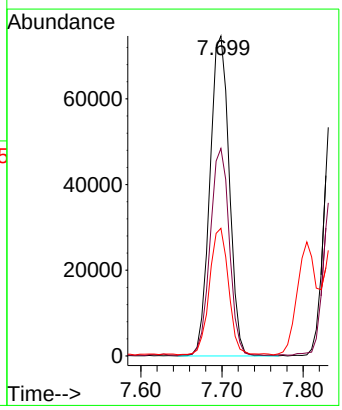
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

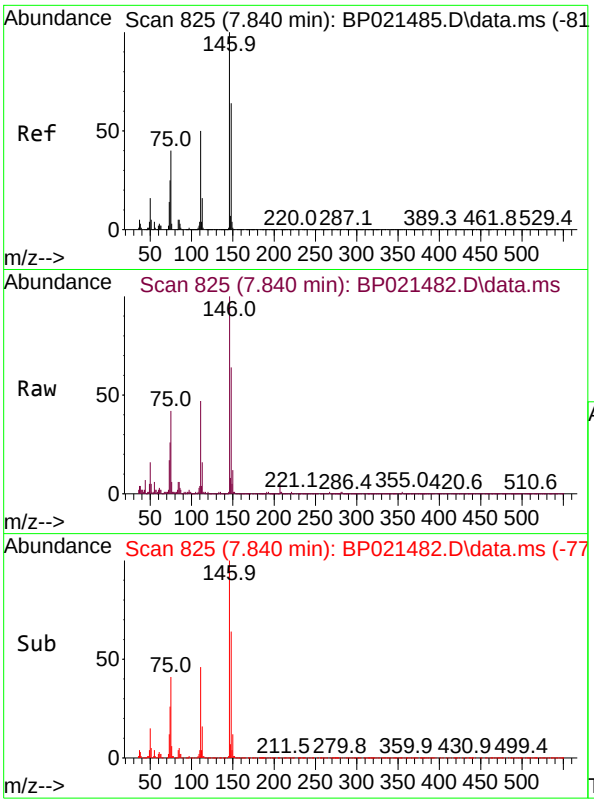


#12
1,3-Dichlorobenzene
Concen: 5.339 ng
RT: 7.699 min Scan# 801
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:146 Resp: 123281

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.8	77.6
75	39.9	31.3	46.9

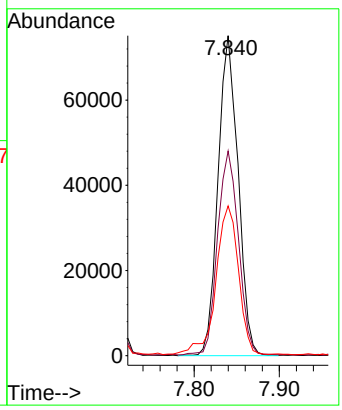




#13
1,4-Dichlorobenzene
Concen: 5.262 ng
RT: 7.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:146 Resp: 12268

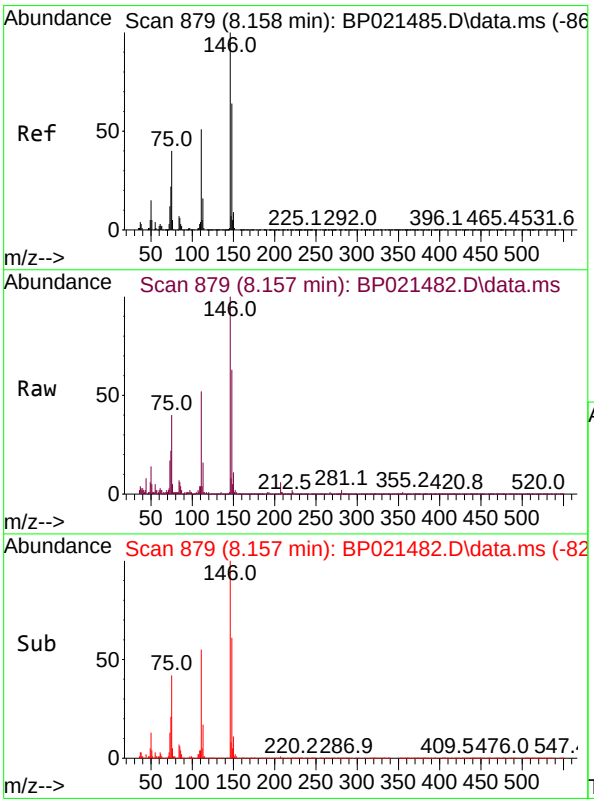
Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.5	77.3
111	46.8	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

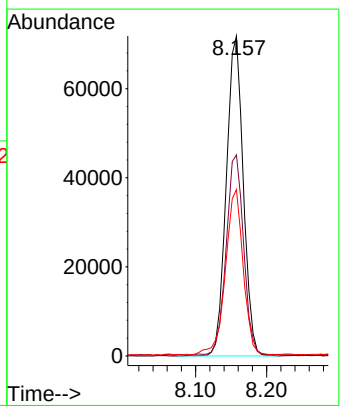
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

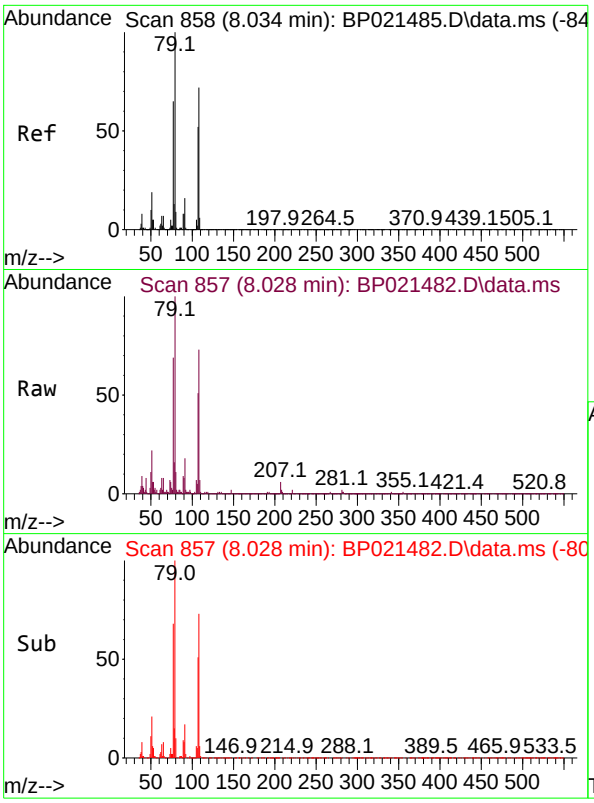


#14
1,2-Dichlorobenzene
Concen: 5.294 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:146 Resp: 118950

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.5	77.3
111	52.0	41.1	61.7





#15
Benzyl Alcohol
Concen: 4.631 ng
RT: 8.028 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

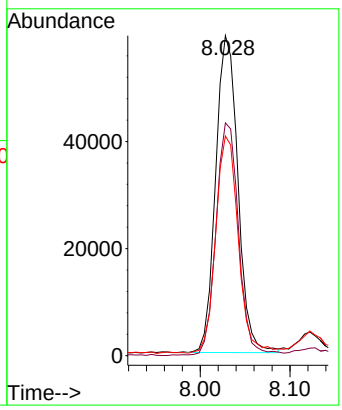
Tgt Ion: 79 Resp: 10196

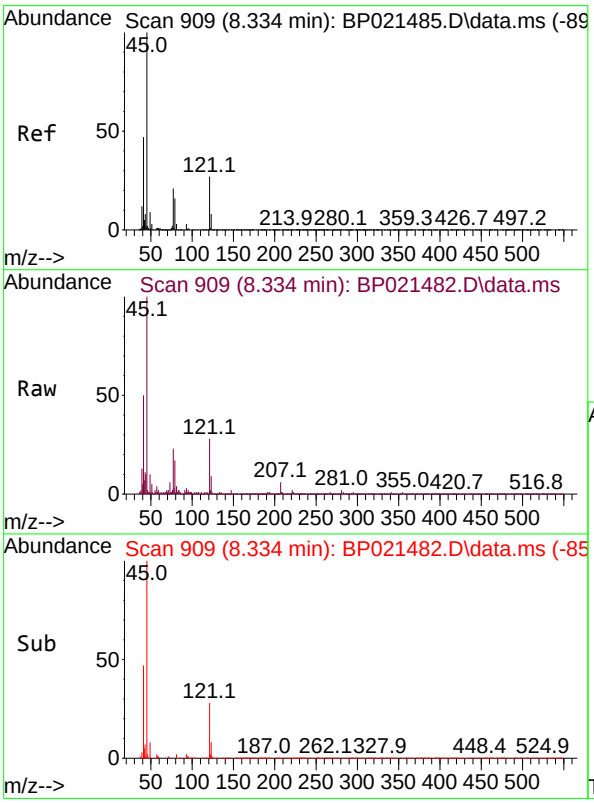
Ion	Ratio	Lower	Upper
79	100		
108	72.8	57.9	86.9
77	68.6	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

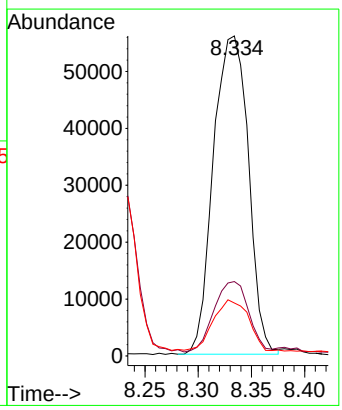


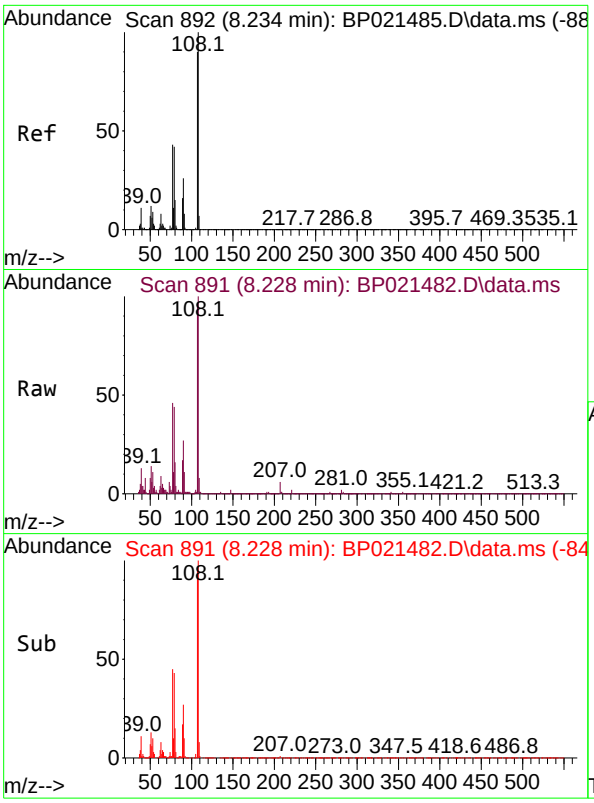


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.167 ng
RT: 8.334 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 45 Resp: 127954

Ion	Ratio	Lower	Upper
45	100		
77	23.2	1.9	41.9
79	16.6	0.0	36.6

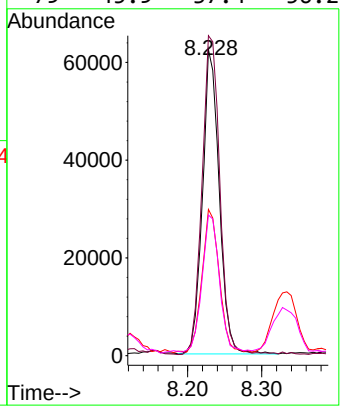




#17
2-Methylphenol
Concen: 4.887 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:107 Resp: 9816

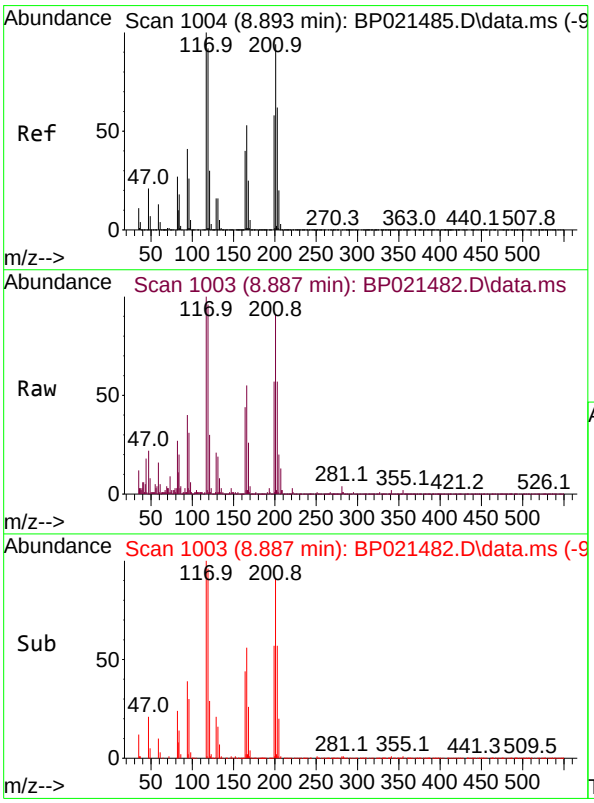
Ion	Ratio	Lower	Upper
107	100		
108	104.6	88.8	133.2
77	47.8	38.7	58.1
79	45.9	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

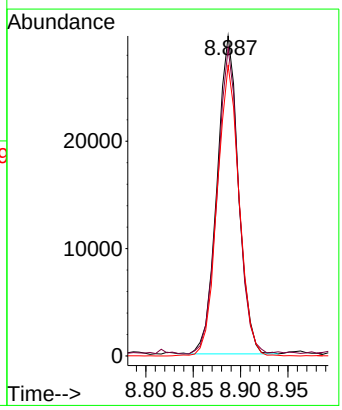
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

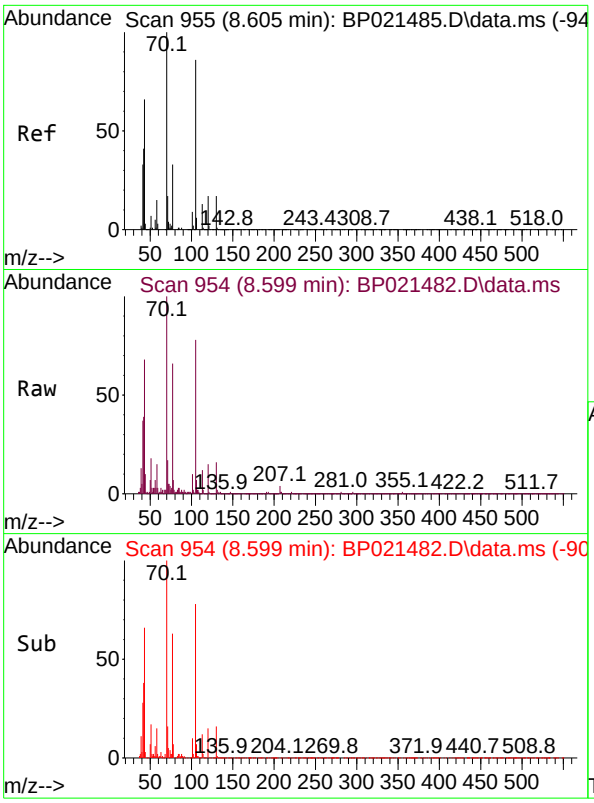


#18
Hexachloroethane
Concen: 5.002 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:117 Resp: 46773

Ion	Ratio	Lower	Upper
117	100		
119	96.2	73.9	110.9
201	90.9	74.9	112.3

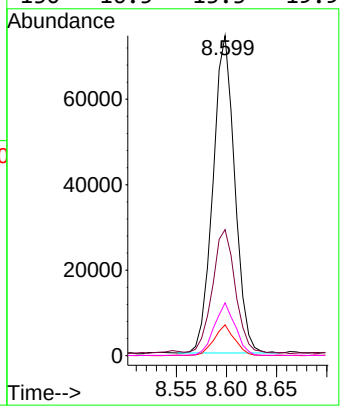




#19
n-Nitroso-di-n-propylamine
Concen: 5.291 ng
RT: 8.599 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 70 Resp: 11215

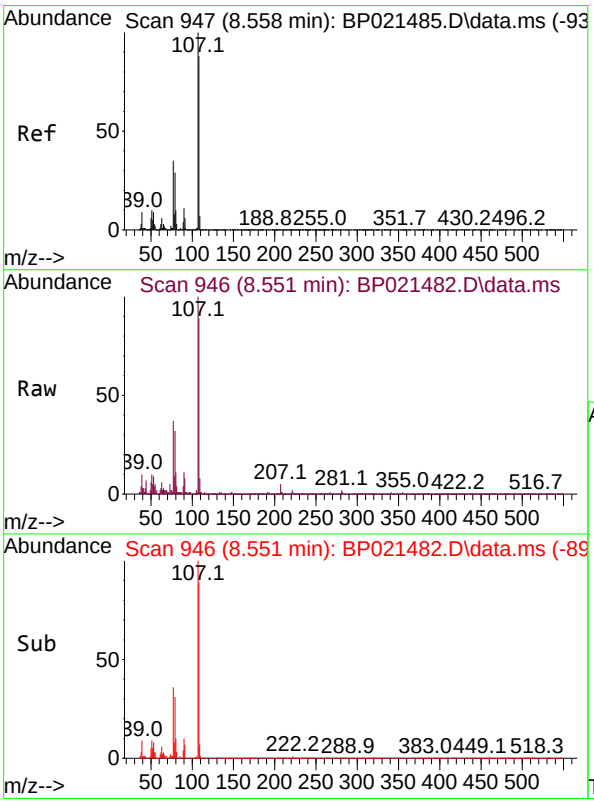
Ion	Ratio	Lower	Upper
70	100		
42	39.4	33.1	49.7
101	9.6	7.4	11.2
130	16.5	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

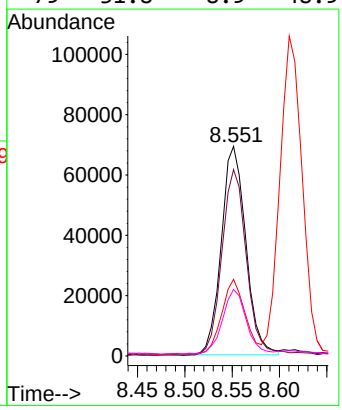
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

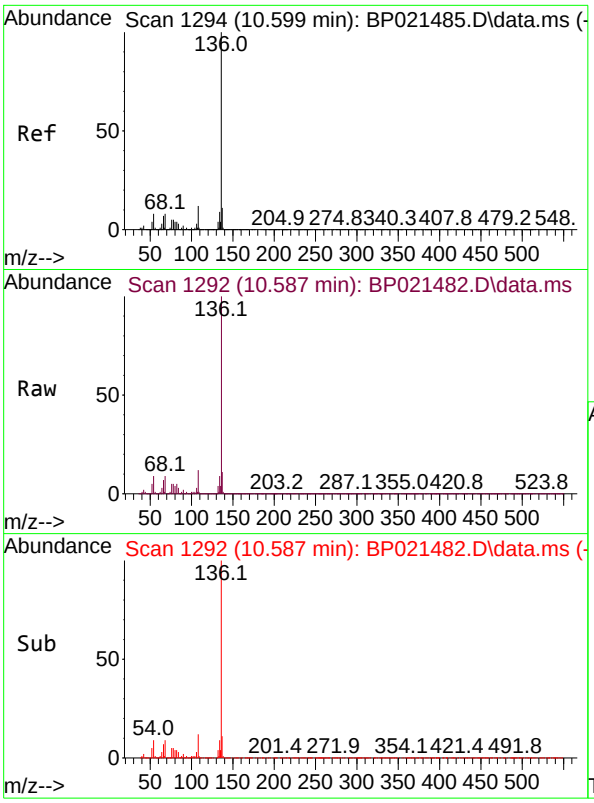


#20
3+4-Methylphenols
Concen: 4.597 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:107 Resp: 124528

Ion	Ratio	Lower	Upper
107	100		
108	89.0	67.6	107.6
77	36.6	15.0	55.0
79	31.8	8.9	48.9

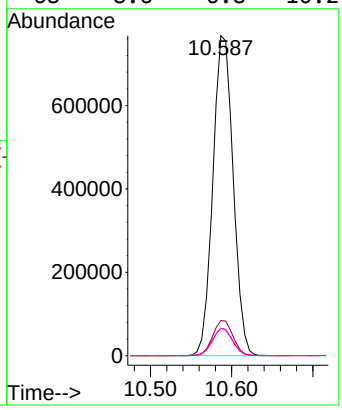




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:136 Resp: 133470

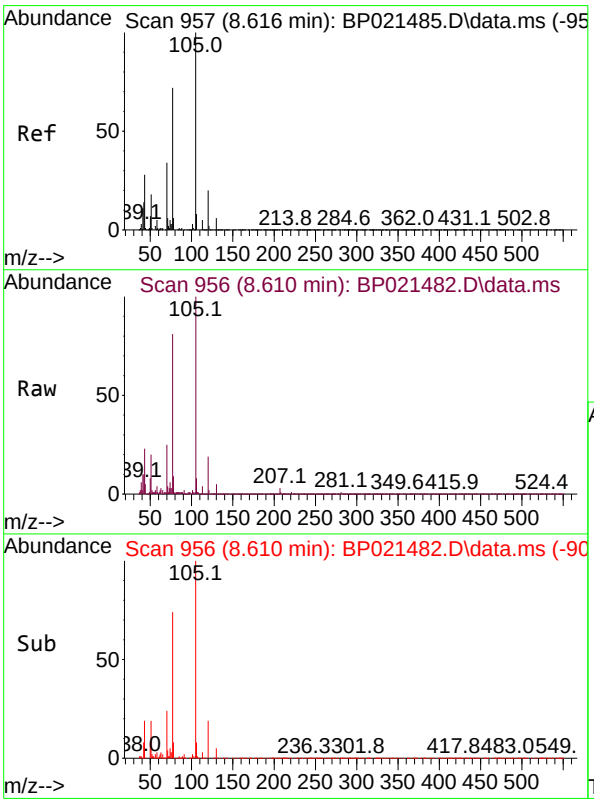
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.6	6.3	9.5
68	8.6	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

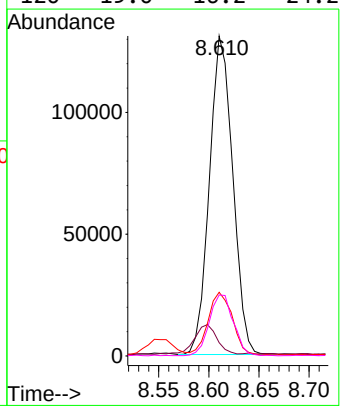
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

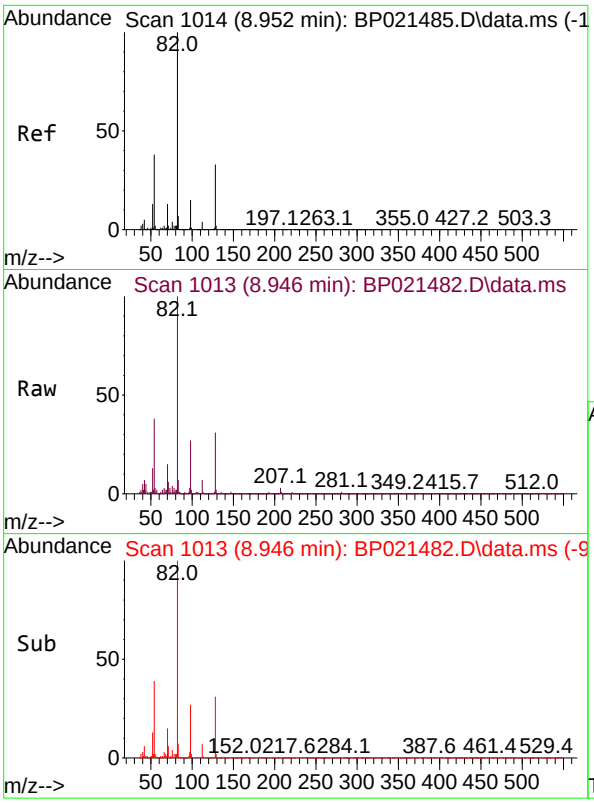


#22
Acetophenone
Concen: 5.173 ng
RT: 8.610 min Scan# 956
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:105 Resp: 212108

Ion	Ratio	Lower	Upper
105	100		
71	4.2	4.6	7.0#
51	19.9	16.3	24.5
120	19.0	16.2	24.2

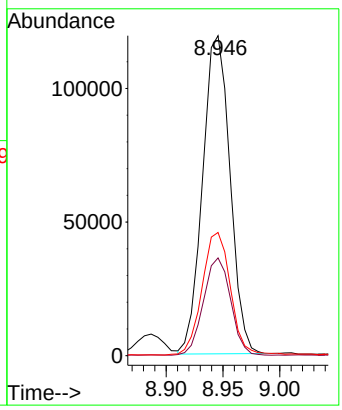




#23
Nitrobenzene-d5
Concen: 7.732 ng
RT: 8.946 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 82 Resp: 19994

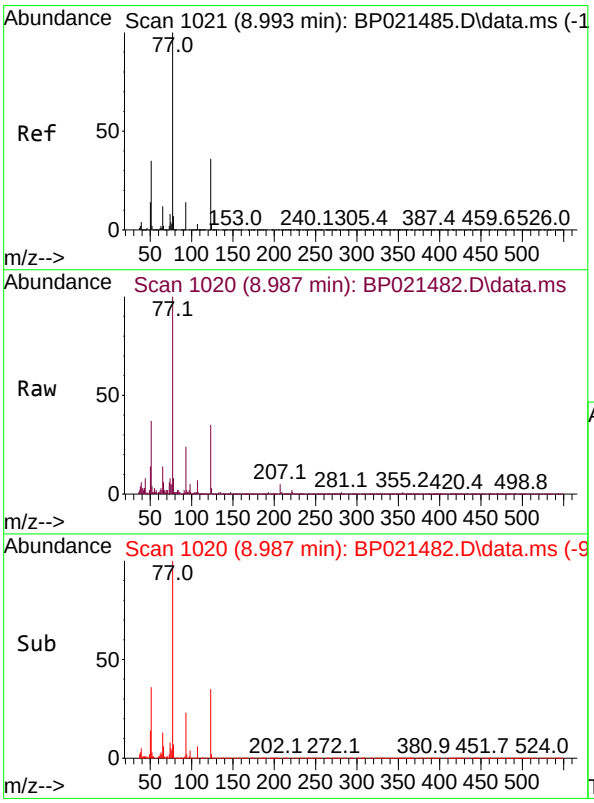
Ion	Ratio	Lower	Upper
82	100		
128	30.5	26.5	39.7
54	38.5	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

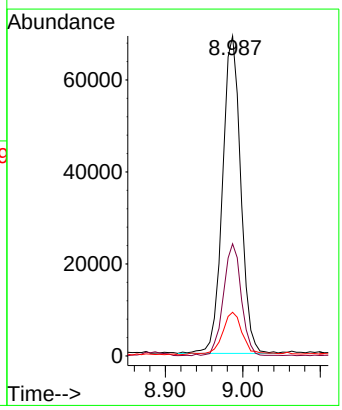
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

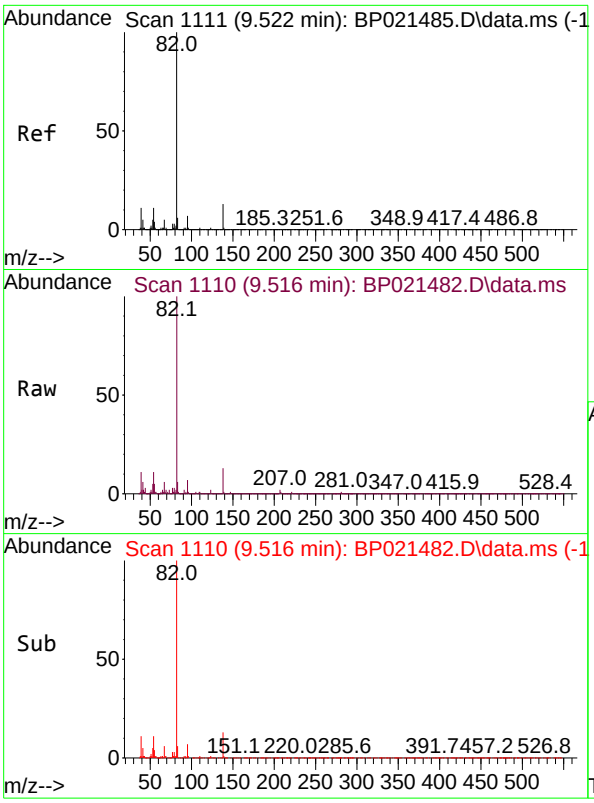


#24
Nitrobenzene
Concen: 4.017 ng
RT: 8.987 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 77 Resp: 112817

Ion	Ratio	Lower	Upper
77	100		
123	35.0	29.5	44.3
65	13.6	9.9	14.9

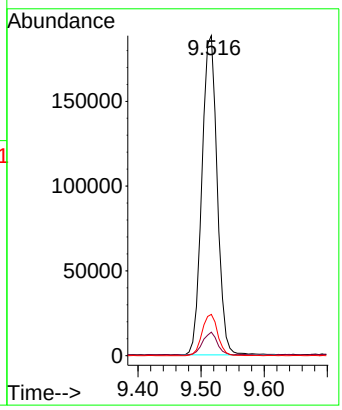




#25
Isophorone
Concen: 5.171 ng
RT: 9.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 82 Resp: 31590

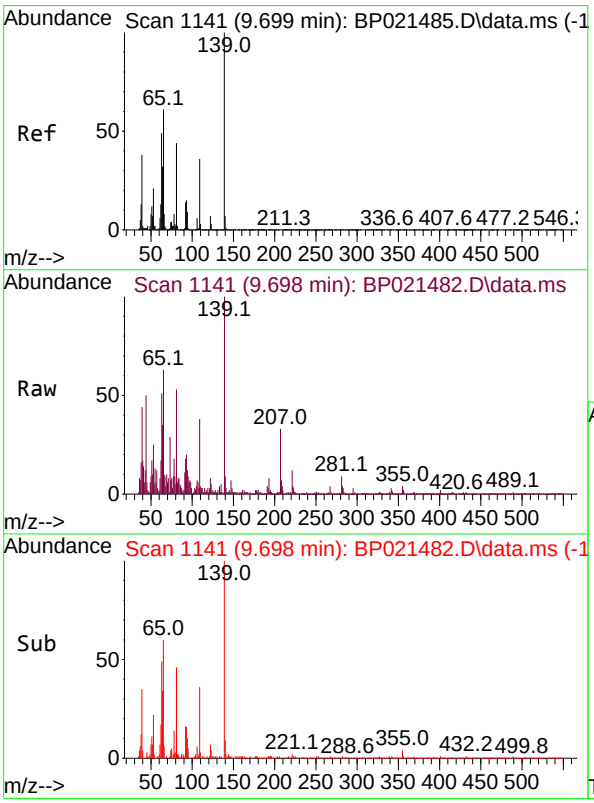
Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.4	8.2
138	12.9	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

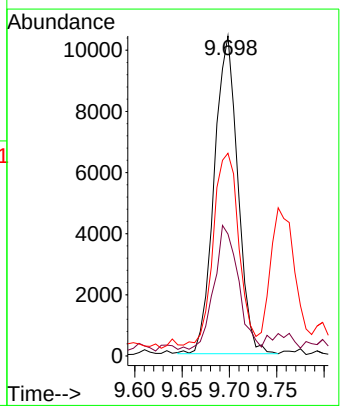
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

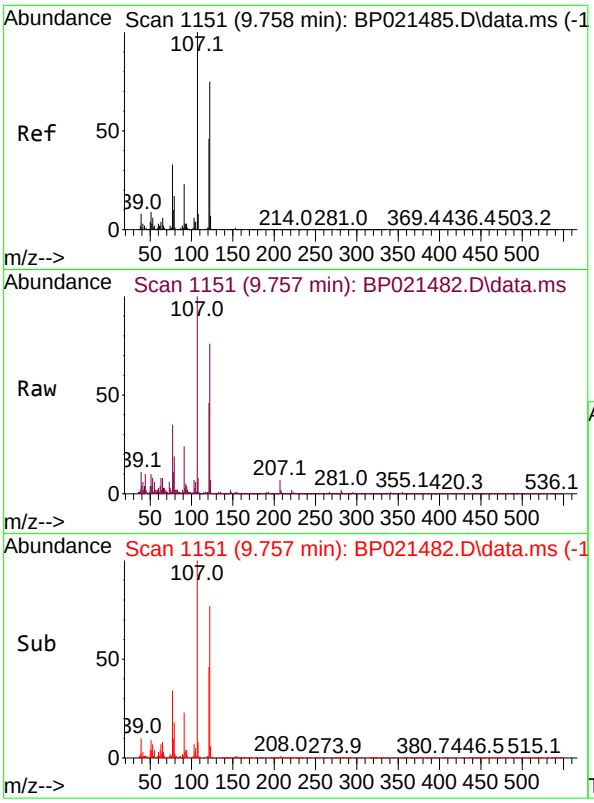


#26
2-Nitrophenol
Concen: 4.396 ng
RT: 9.698 min Scan# 1141
Delta R.T. -0.001 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:139 Resp: 18035

Ion	Ratio	Lower	Upper
139	100		
109	38.1	28.9	43.3
65	63.3	49.0	73.6

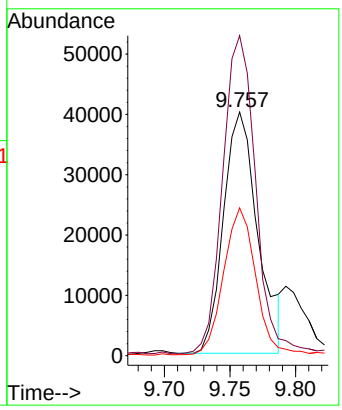




#27
2,4-Dimethylphenol
Concen: 4.826 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:122 Resp: 7276

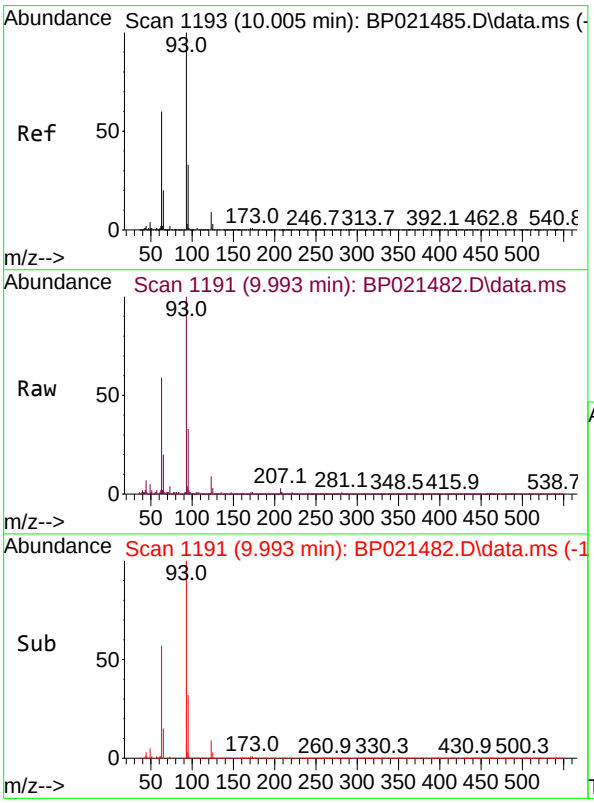
Ion	Ratio	Lower	Upper
122	100		
107	131.3	106.2	159.4
121	60.7	48.8	73.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

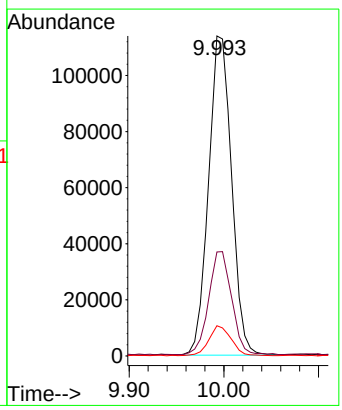
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

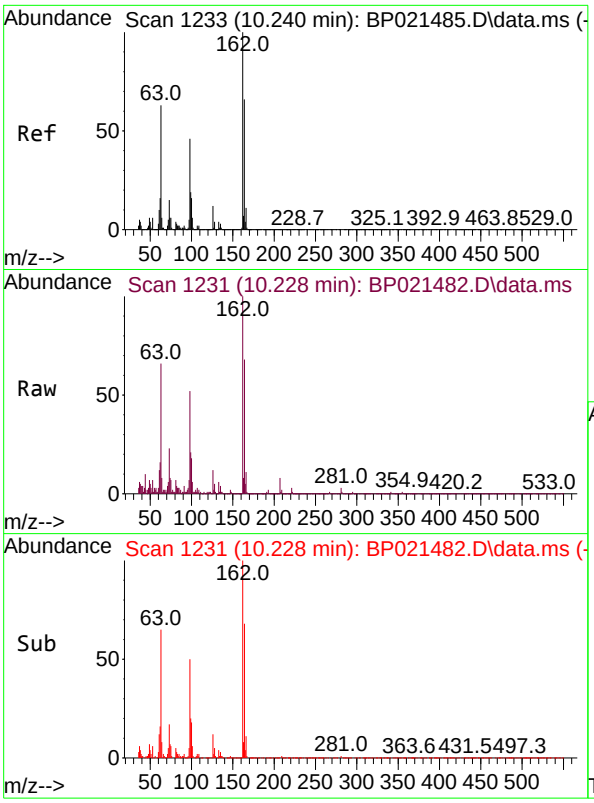


#28
bis(2-Chloroethoxy)methane
Concen: 5.167 ng
RT: 9.993 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 93 Resp: 192662

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.2	39.4
123	9.5	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 4.228 ng
RT: 10.228 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

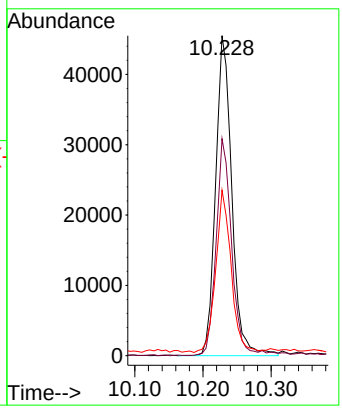
Tgt Ion:162 Resp: 7531

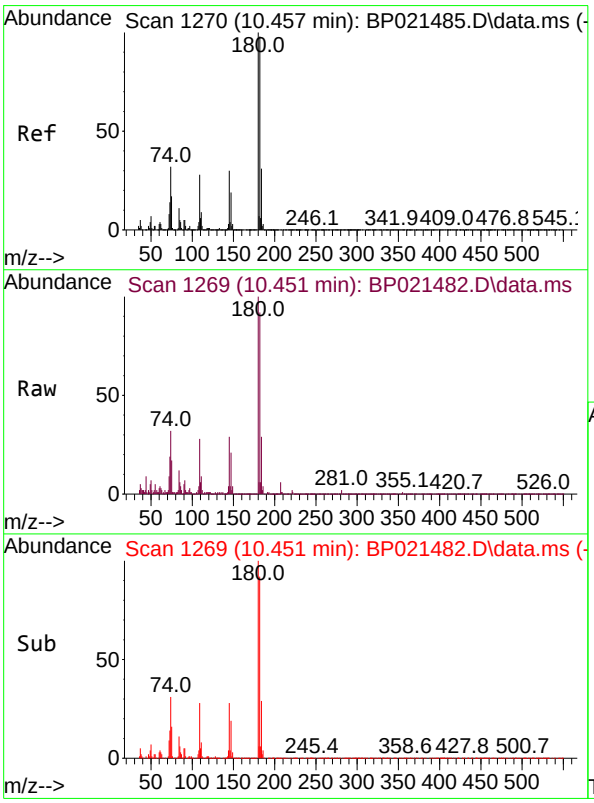
Ion	Ratio	Lower	Upper
162	100		
164	67.8	45.9	85.9
98	51.7	26.3	66.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

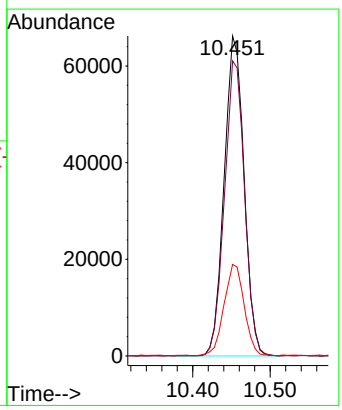


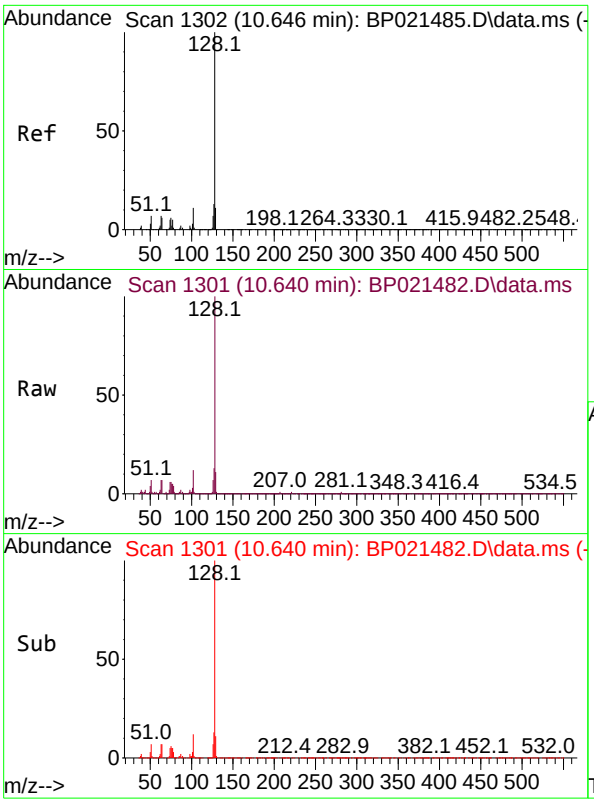


#30
1,2,4-Trichlorobenzene
Concen: 5.186 ng
RT: 10.451 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:180 Resp: 118446

Ion	Ratio	Lower	Upper
180	100		
182	92.2	78.3	117.5
145	28.6	24.0	36.0

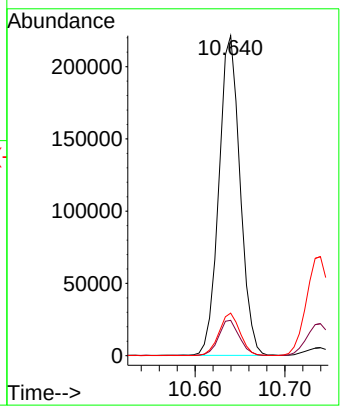




#31
Naphthalene
Concen: 5.189 ng
RT: 10.640 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:128 Resp: 36180

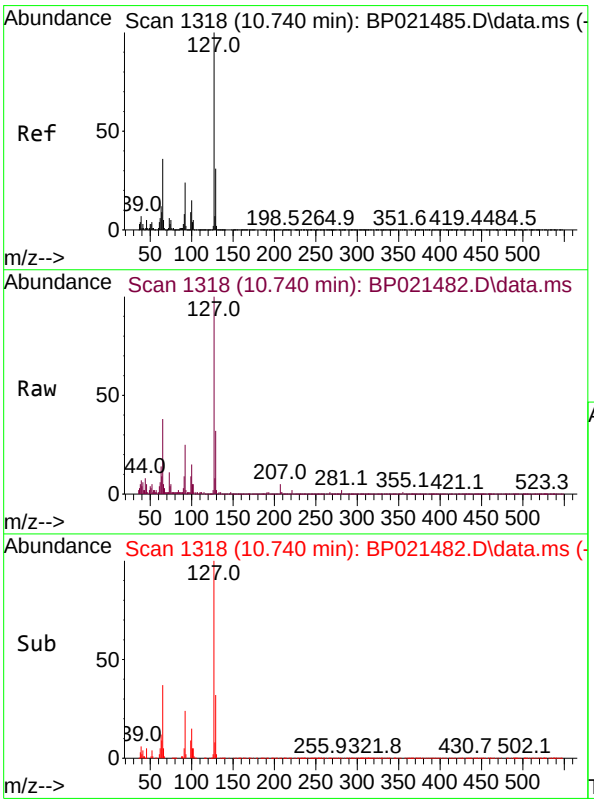
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.3	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

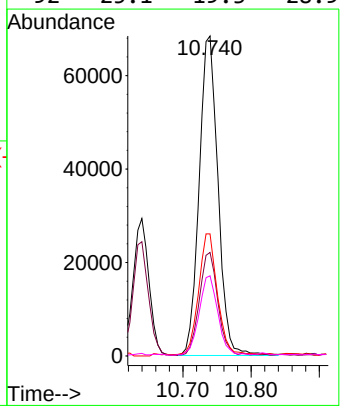
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

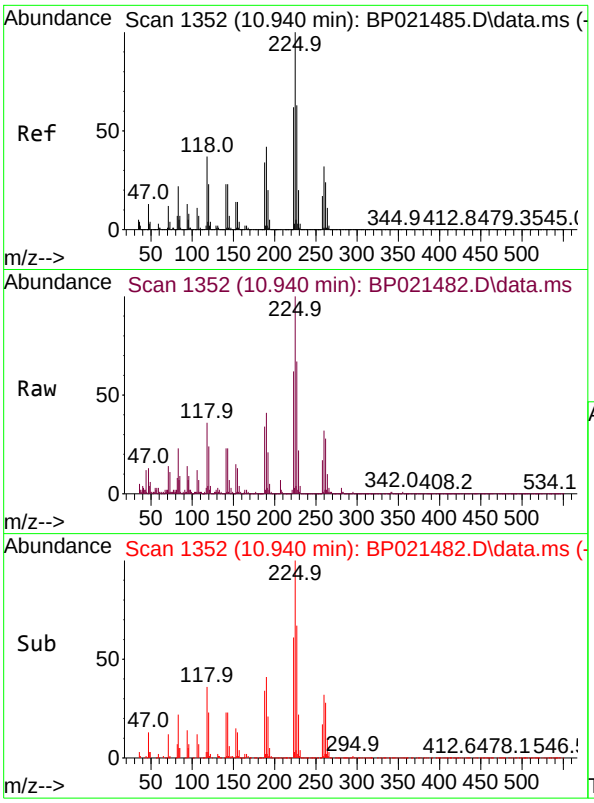


#33
4-Chloroaniline
Concen: 5.015 ng
RT: 10.740 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:127 Resp: 131360

Ion	Ratio	Lower	Upper
127	100		
129	32.3	24.5	36.7
65	38.1	28.9	43.3
92	25.1	19.3	28.9

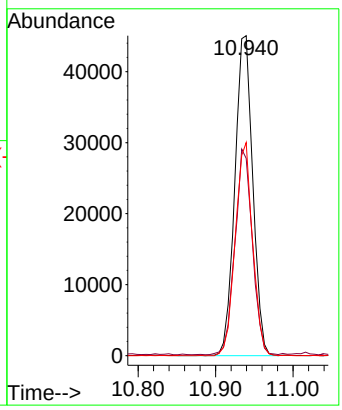




#34
Hexachlorobutadiene
Concen: 5.038 ng
RT: 10.940 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:225 Resp: 7243

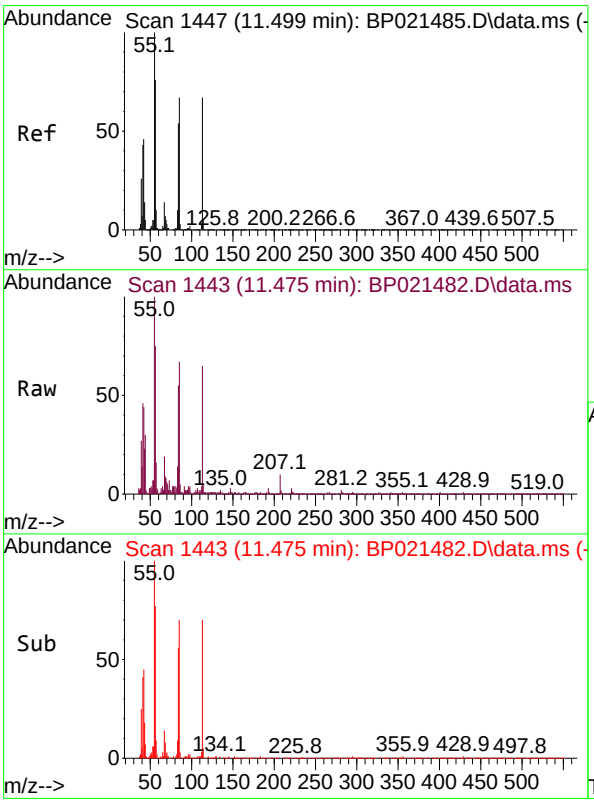
Ion	Ratio	Lower	Upper
225	100		
223	61.7	49.6	74.4
227	66.6	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

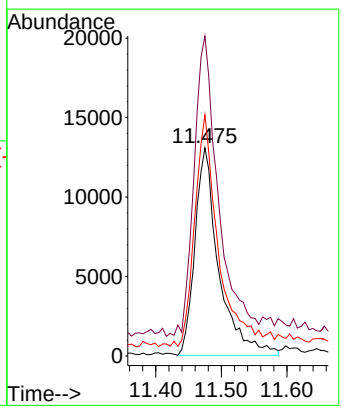
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

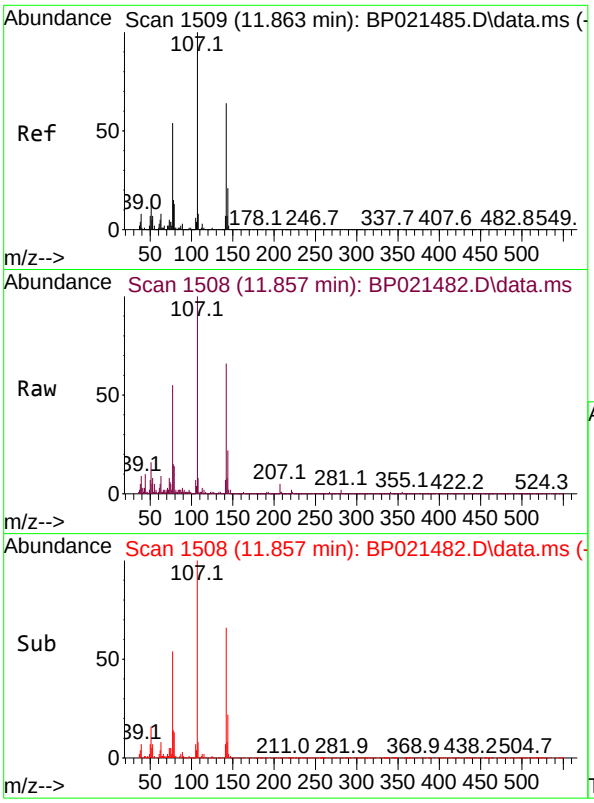


#35
Caprolactam
Concen: 4.463 ng
RT: 11.475 min Scan# 1443
Delta R.T. -0.024 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:113 Resp: 33090

Ion	Ratio	Lower	Upper
113	100		
55	153.8	130.6	170.6
56	115.8	94.6	134.6





#36
4-Chloro-3-methylphenol
Concen: 4.481 ng
RT: 11.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

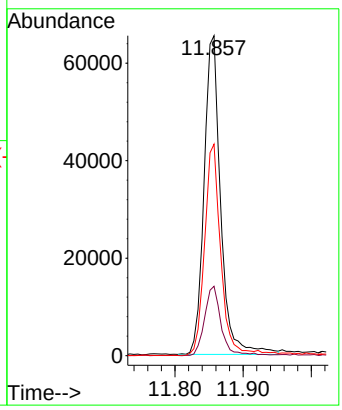
Tgt Ion:107 Resp: 11073

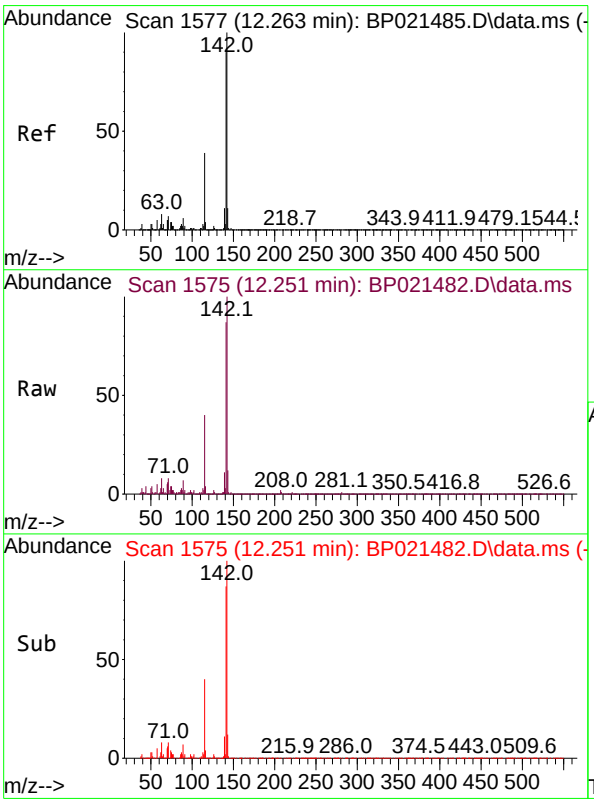
Ion	Ratio	Lower	Upper
107	100		
144	21.7	16.6	24.8
142	66.1	51.0	76.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

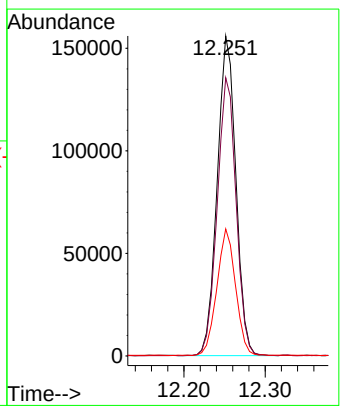


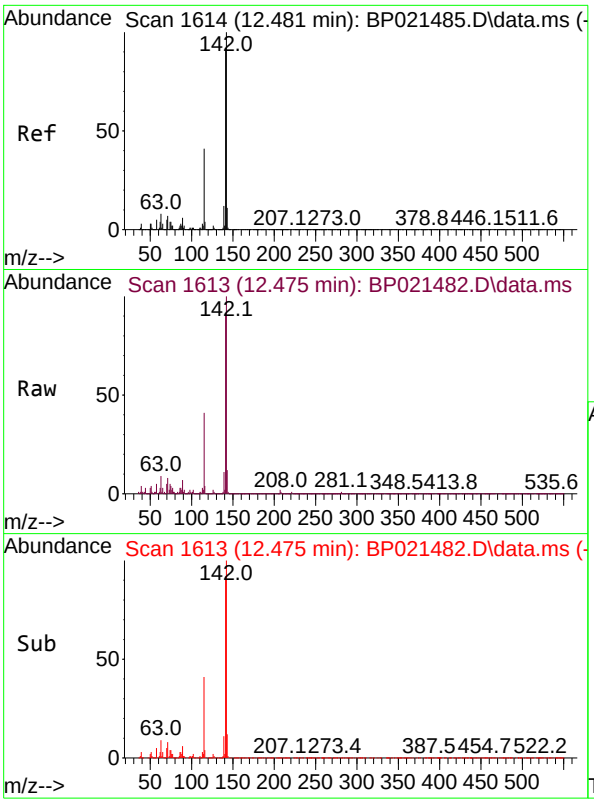


#37
2-Methylnaphthalene
Concen: 5.238 ng
RT: 12.251 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:142 Resp: 249268

Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.7	107.5
115	39.7	31.4	47.2

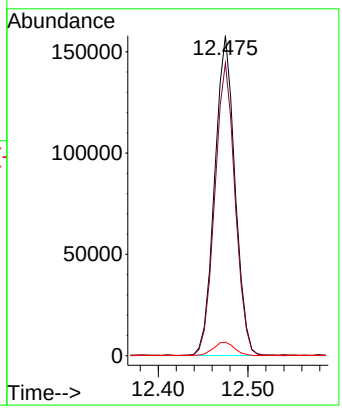




#38
1-Methylnaphthalene
Concen: 5.276 ng
RT: 12.475 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:142 Resp: 24761

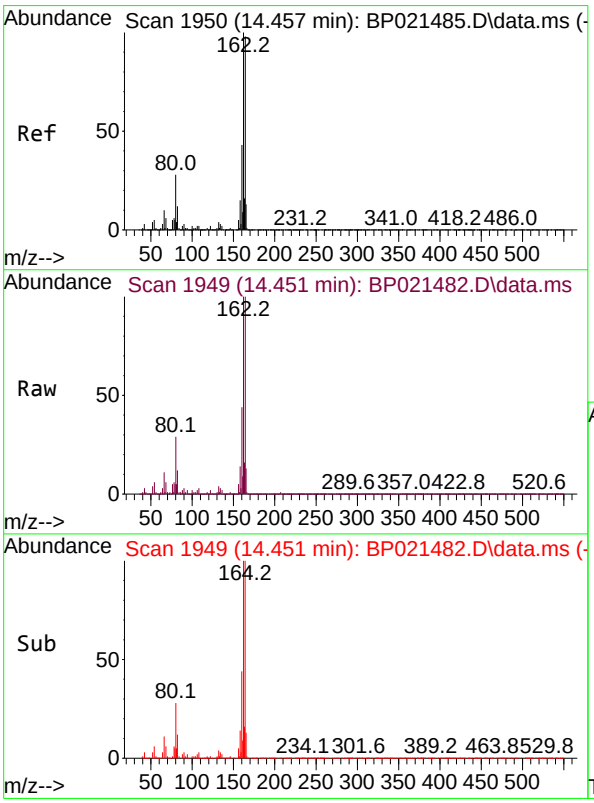
Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.5	110.3
116	4.2	3.4	5.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

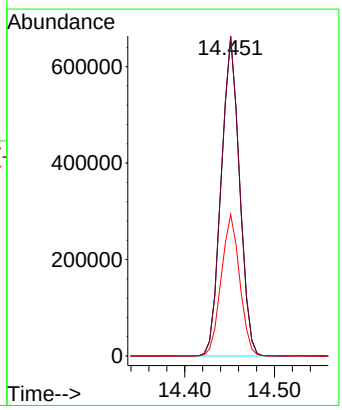
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

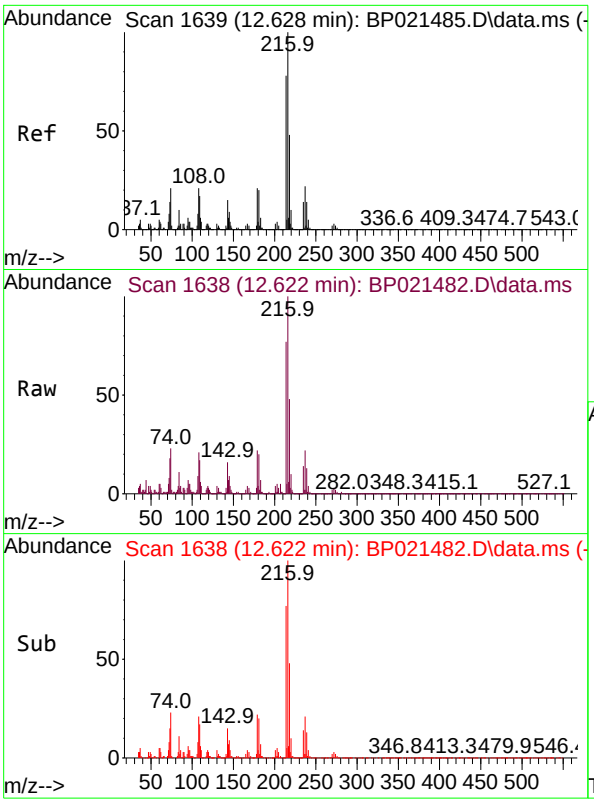


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:164 Resp: 933864

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.5	122.3
160	44.3	35.2	52.8

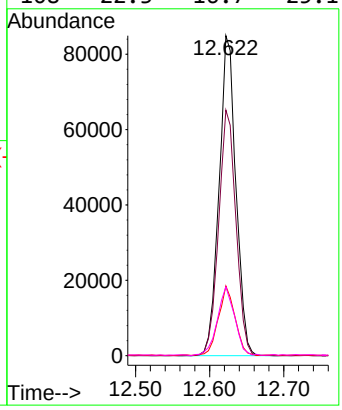




#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.894 ng
RT: 12.622 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:216 Resp: 13391(

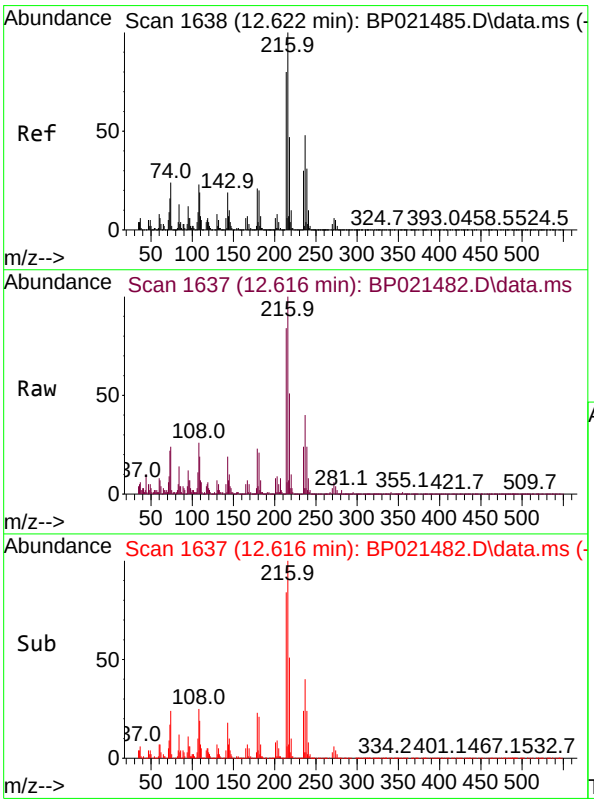
Ion	Ratio	Lower	Upper
216	100		
214	78.9	62.5	93.7
179	21.4	16.4	24.6
108	22.3	16.7	25.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

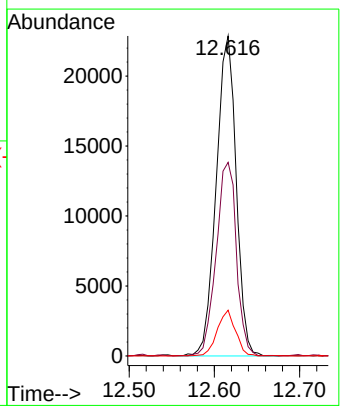
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

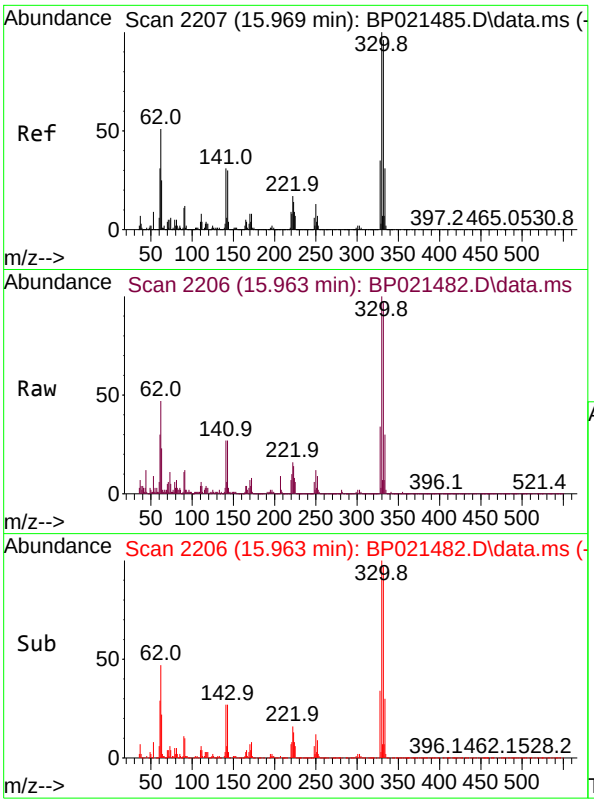


#41
Hexachlorocyclopentadiene
Concen: 4.288 ng
RT: 12.616 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:237 Resp: 37190

Ion	Ratio	Lower	Upper
237	100		
235	60.5	43.9	83.9
272	14.3	0.0	33.3

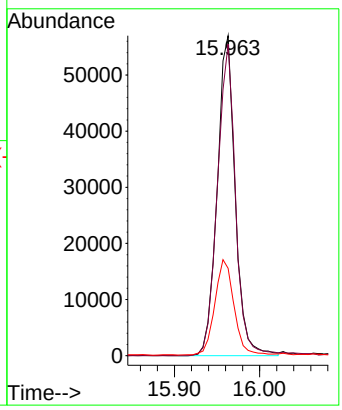




#42
2,4,6-Tribromophenol
Concen: 8.063 ng
RT: 15.963 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:330 Resp: 8380

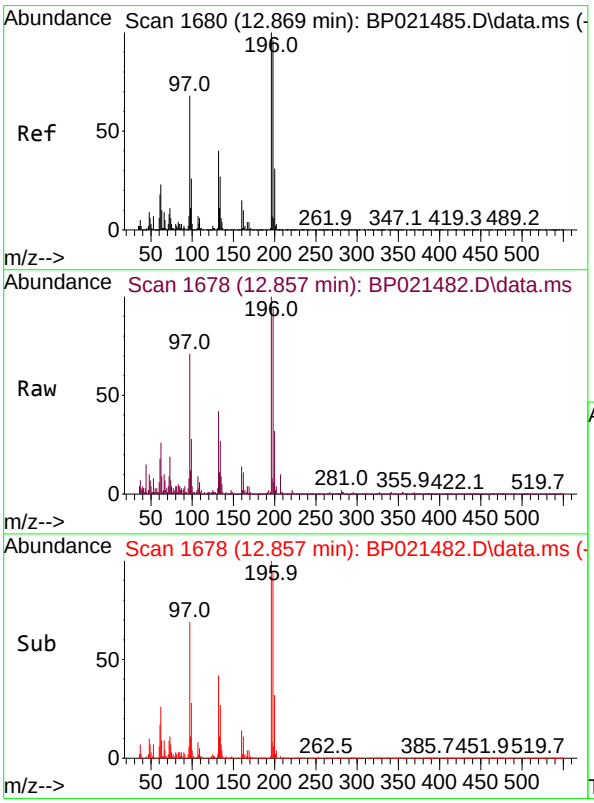
Ion	Ratio	Lower	Upper
330	100		
332	99.0	77.4	116.0
141	31.6	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

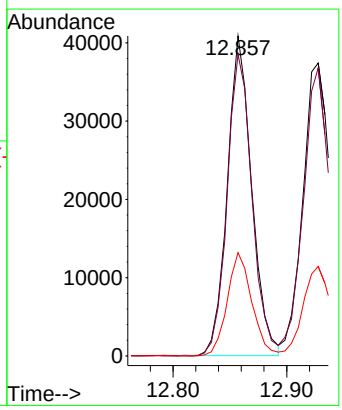
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

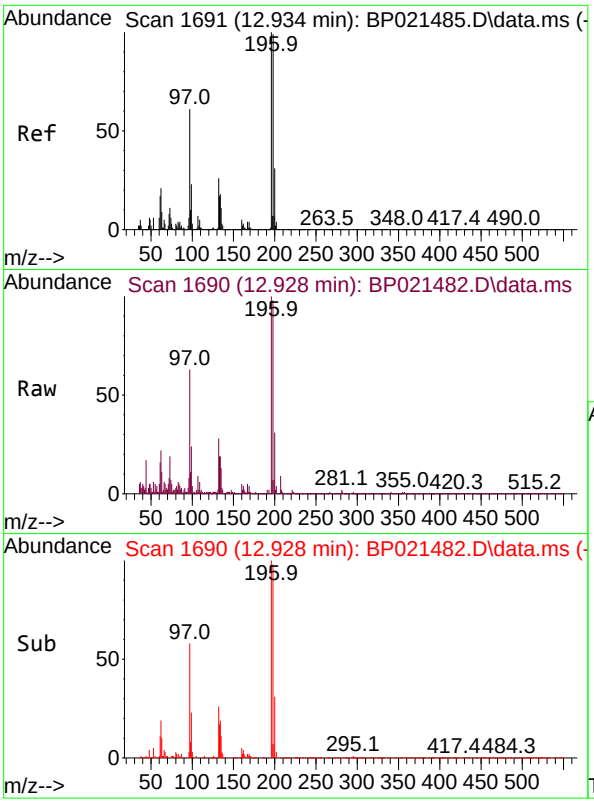


#43
2,4,6-Trichlorophenol
Concen: 4.003 ng
RT: 12.857 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:196 Resp: 60845

Ion	Ratio	Lower	Upper
196	100		
198	94.2	76.6	114.8
200	32.3	24.5	36.7

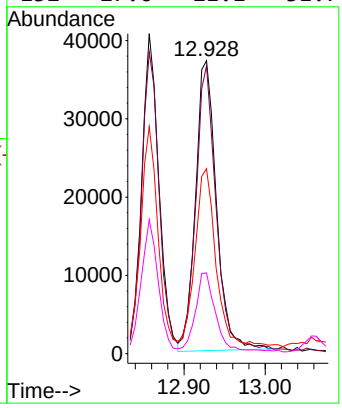




#44
2,4,5-Trichlorophenol
Concen: 3.926 ng
RT: 12.928 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:196 Resp: 6630

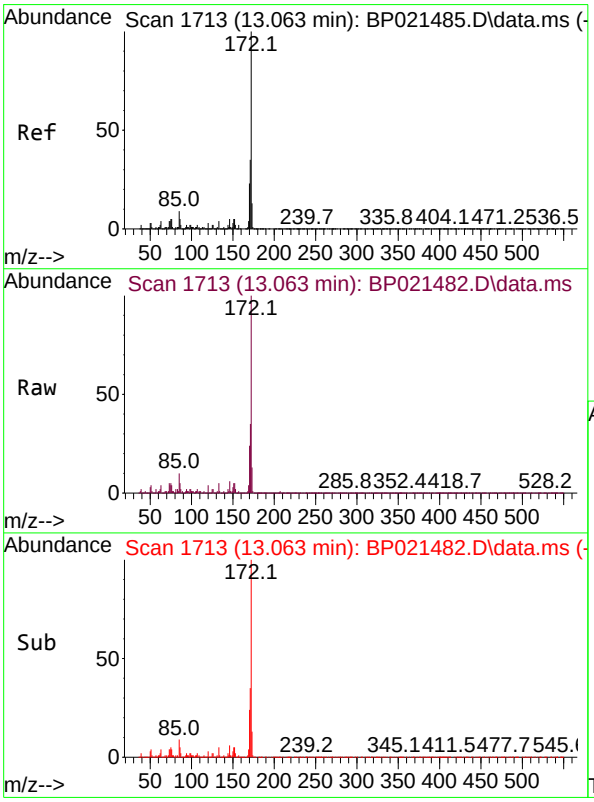
Ion	Ratio	Lower	Upper
196	100		
198	98.3	78.9	118.3
97	63.1	49.4	74.0
132	27.6	21.1	31.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

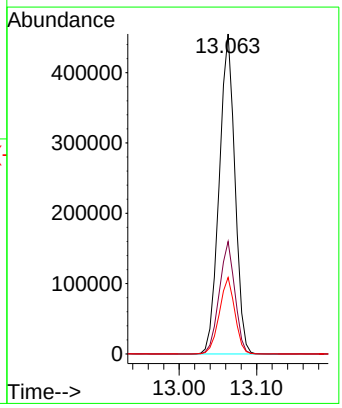
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

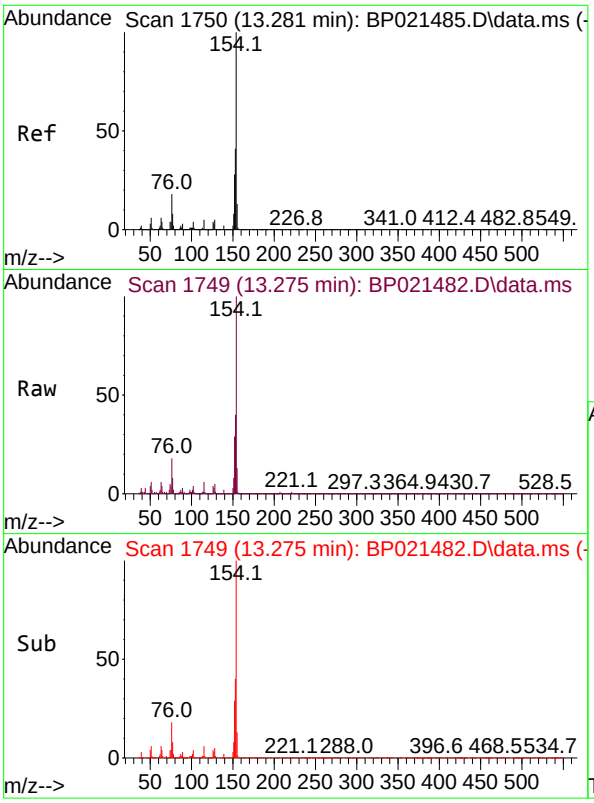


#45
2-Fluorobiphenyl
Concen: 10.464 ng
RT: 13.063 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:172 Resp: 640316

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.4
170	23.9	18.4	27.6

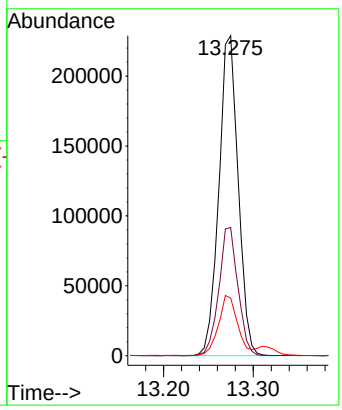




#46
1,1'-Biphenyl
Concen: 5.168 ng
RT: 13.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:154 Resp: 34143

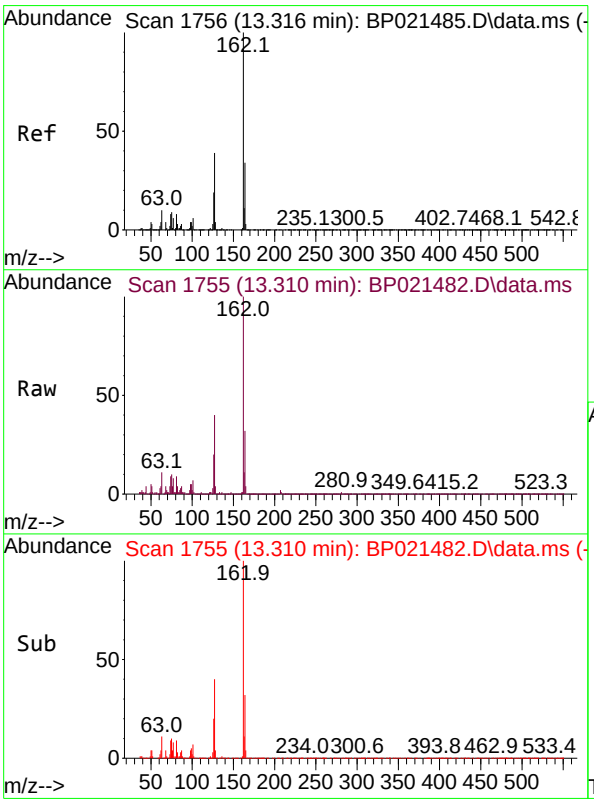
Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.7	60.7
76	18.0	0.0	37.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

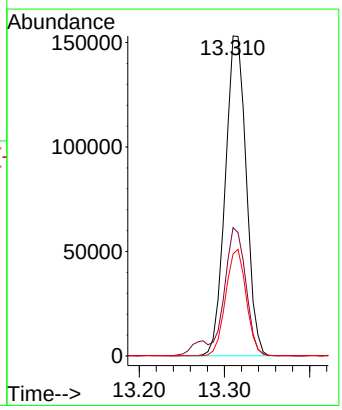
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

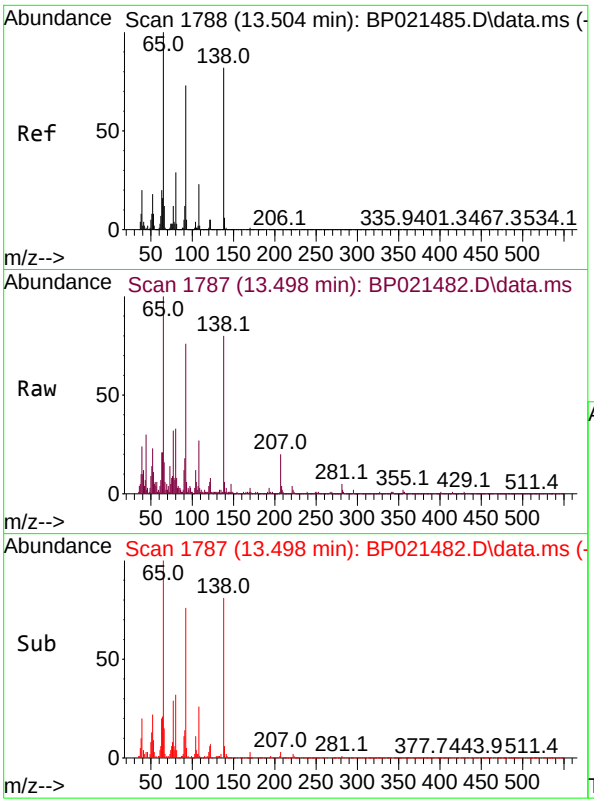


#47
2-Chloronaphthalene
Concen: 5.089 ng
RT: 13.310 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:162 Resp: 261761

Ion	Ratio	Lower	Upper
162	100		
127	40.1	31.9	47.9
164	31.9	26.8	40.2

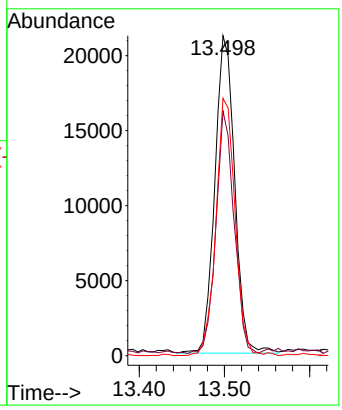




#48
2-Nitroaniline
Concen: 7.264 ng
RT: 13.498 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 65 Resp: 3418

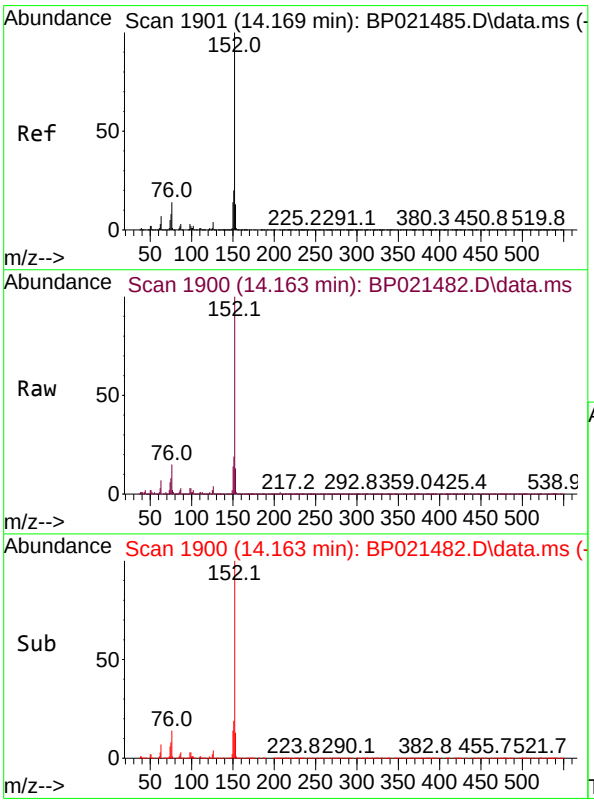
Ion	Ratio	Lower	Upper
65	100		
92	76.5	58.1	87.1
138	80.4	65.5	98.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

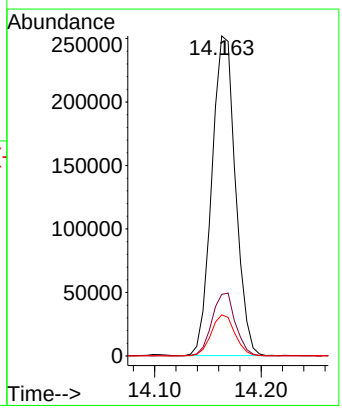
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

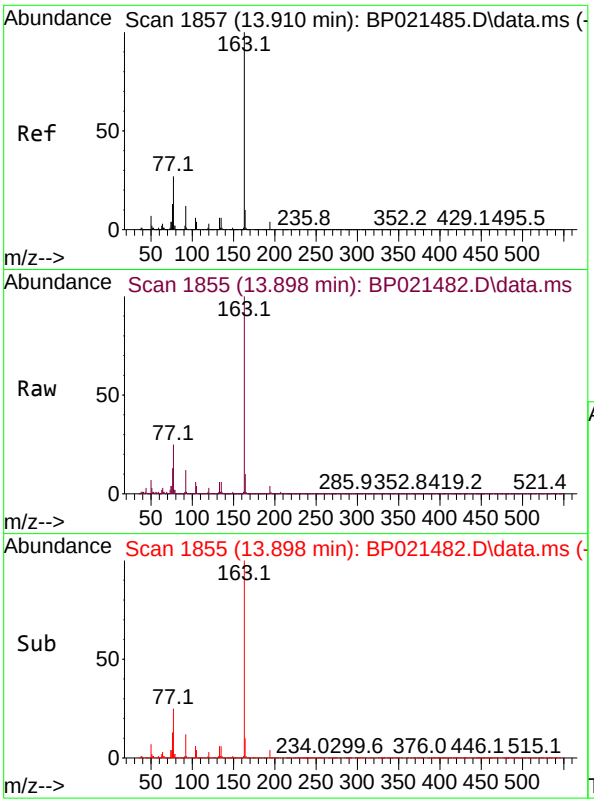


#49
Acenaphthylene
Concen: 5.126 ng
RT: 14.163 min Scan# 1900
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:152 Resp: 387614

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.9	23.9
153	12.9	10.6	16.0





#50
Dimethylphthalate
Concen: 5.178 ng
RT: 13.898 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

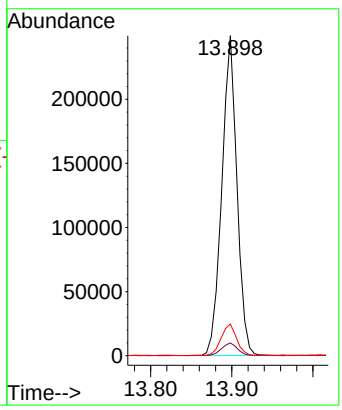
Tgt Ion:163 Resp: 32380

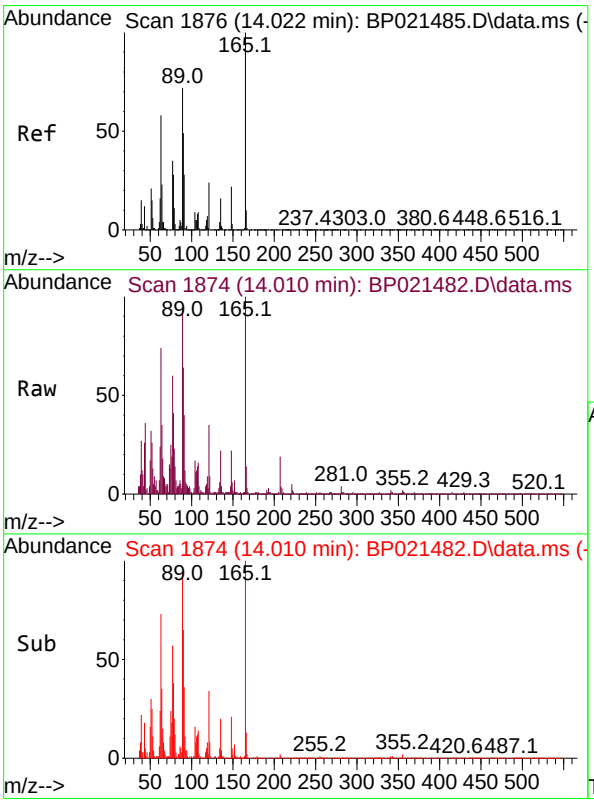
Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.9	8.3	12.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

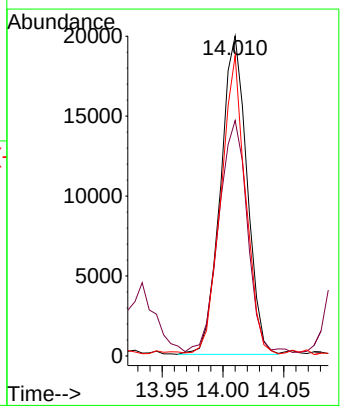


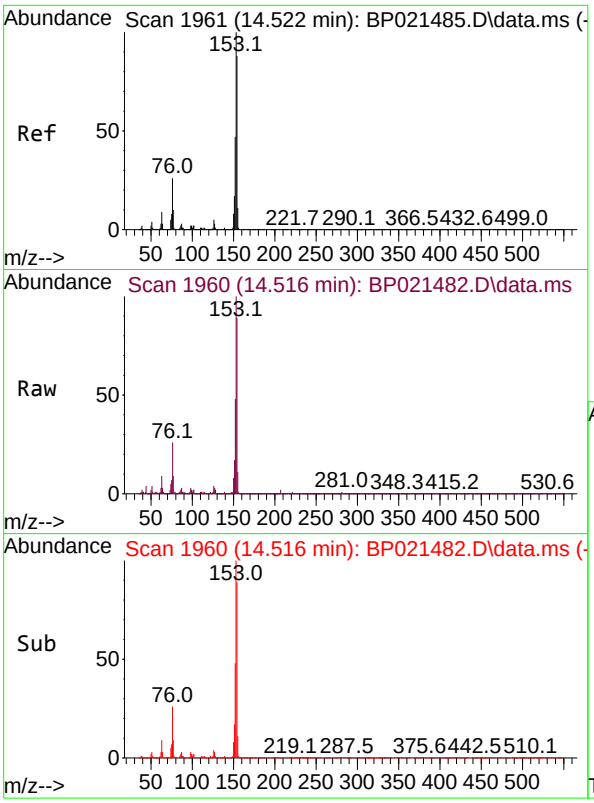


#51
2,6-Dinitrotoluene
Concen: 6.169 ng
RT: 14.010 min Scan# 1874
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:165 Resp: 30050

Ion	Ratio	Lower	Upper
165	100		
63	73.6	51.5	77.3
89	93.9	57.8	86.8#

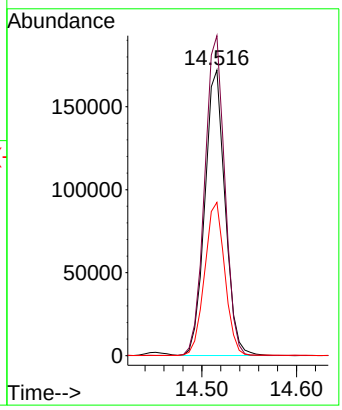




#52
Acenaphthene
Concen: 5.150 ng
RT: 14.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:154 Resp: 25551

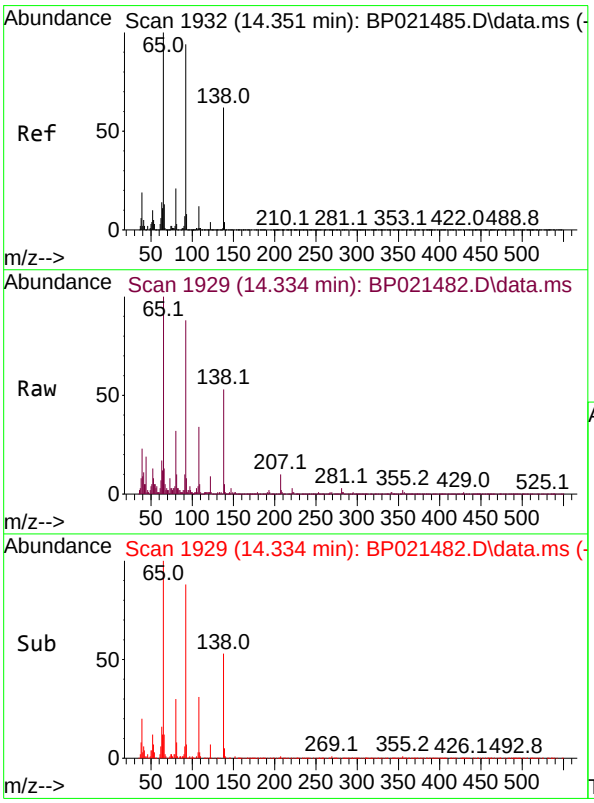
Ion	Ratio	Lower	Upper
154	100		
153	112.0	91.1	136.7
152	53.7	43.0	64.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

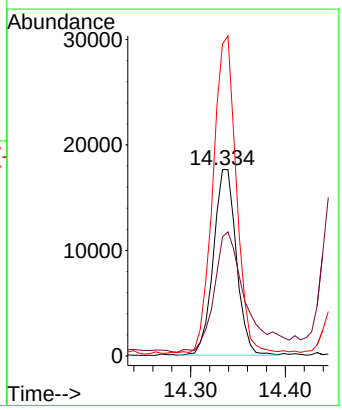
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

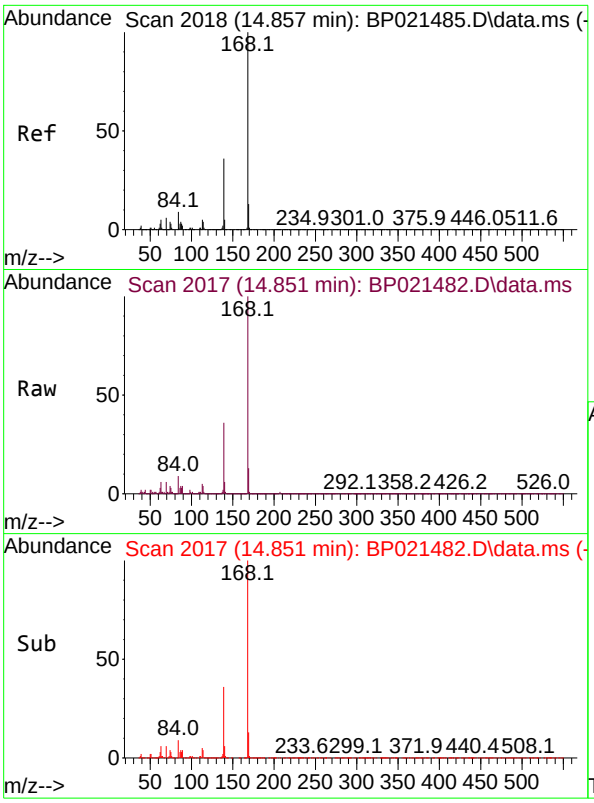


#53
3-Nitroaniline
Concen: 6.160 ng
RT: 14.334 min Scan# 1929
Delta R.T. -0.017 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:138 Resp: 29621

Ion	Ratio	Lower	Upper
138	100		
108	63.9	16.2	24.4#
92	167.4	122.2	183.4

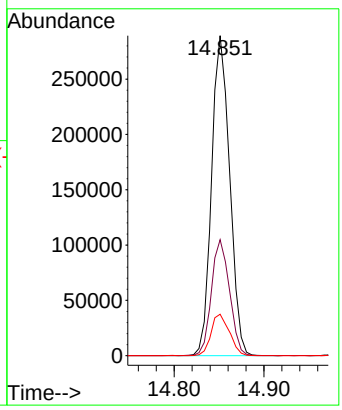




#55
Dibenzofuran
Concen: 5.307 ng
RT: 14.851 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:168 Resp: 40502

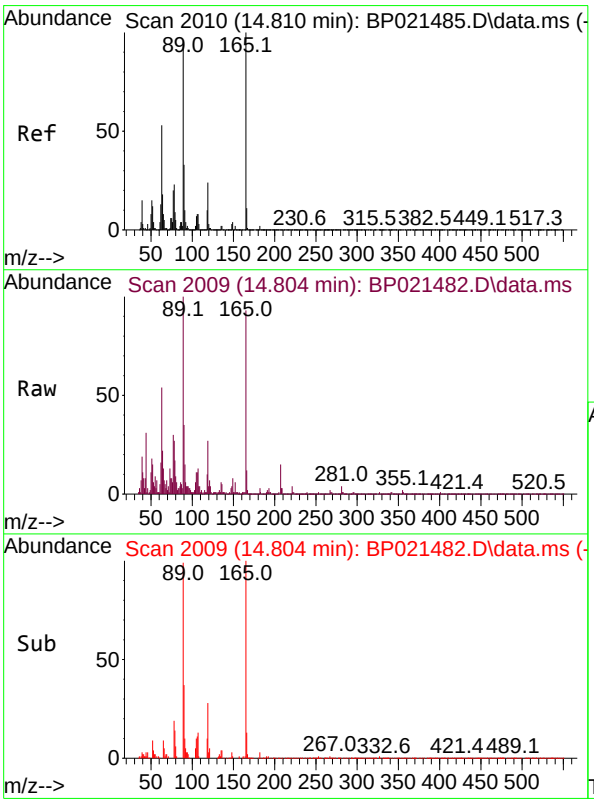
Ion	Ratio	Lower	Upper
168	100		
139	36.3	28.6	43.0
169	12.9	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

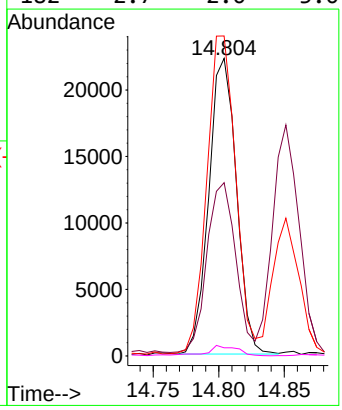
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

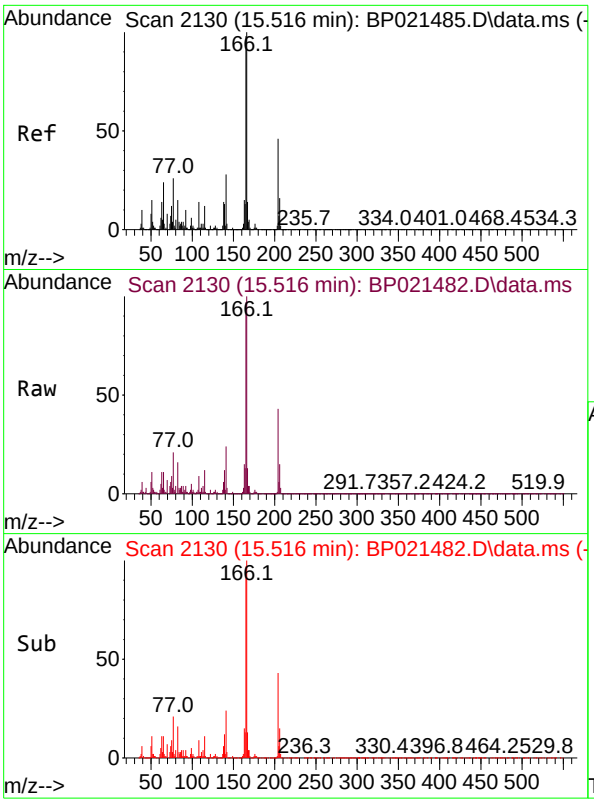


#57
2,4-Dinitrotoluene
Concen: 6.843 ng
RT: 14.804 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:165 Resp: 32636

Ion	Ratio	Lower	Upper
165	100		
63	58.2	42.5	63.7
89	107.5	77.1	115.7
182	2.7	2.0	3.0

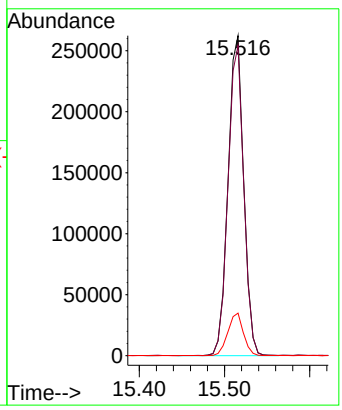




#58
Fluorene
Concen: 5.326 ng
RT: 15.516 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:166 Resp: 33397

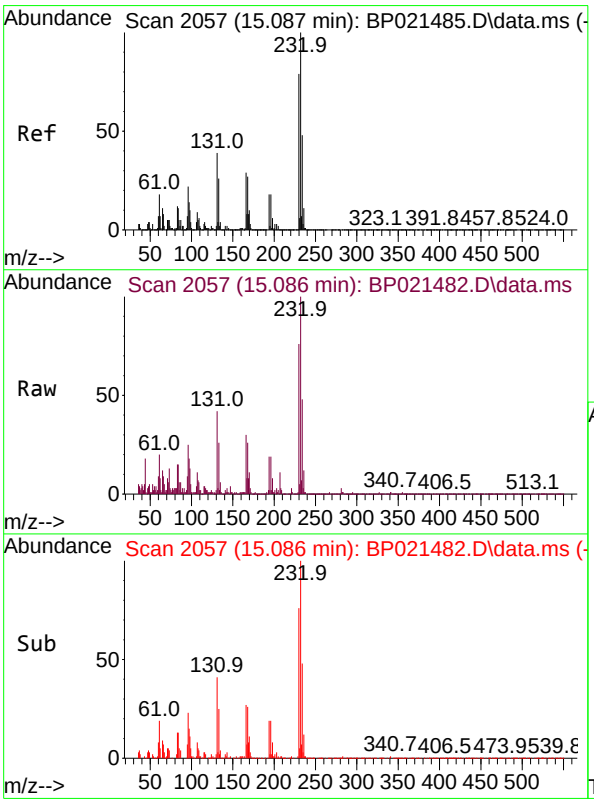
Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.1	117.1
167	13.3	11.0	16.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

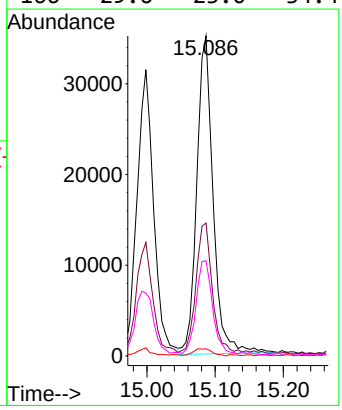
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

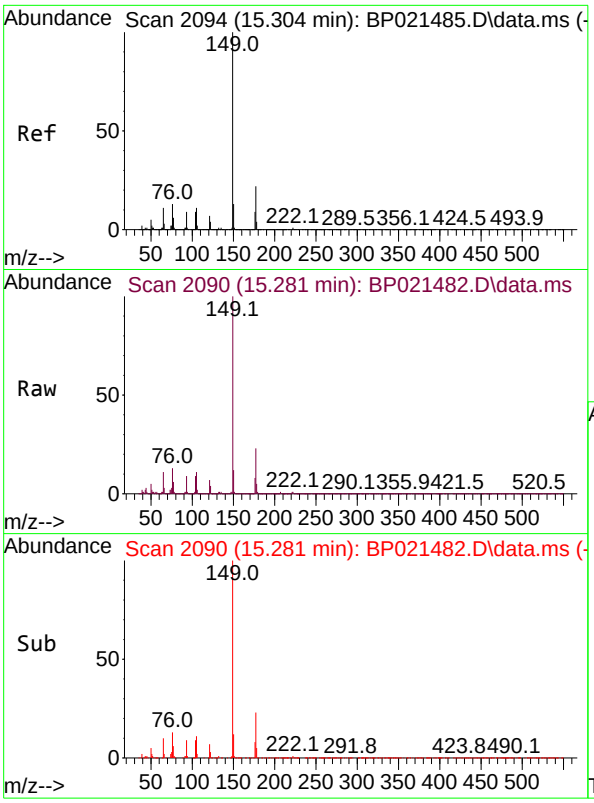


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.076 ng
RT: 15.086 min Scan# 2057
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:232 Resp: 58426

Ion	Ratio	Lower	Upper
232	100		
131	40.4	33.1	49.7
130	2.7	1.7	2.5#
166	29.6	23.0	34.4

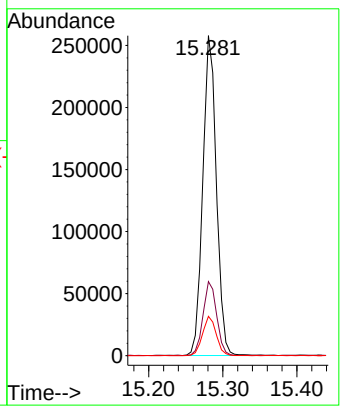




#60
Diethylphthalate
Concen: 5.113 ng
RT: 15.281 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:149 Resp: 32811

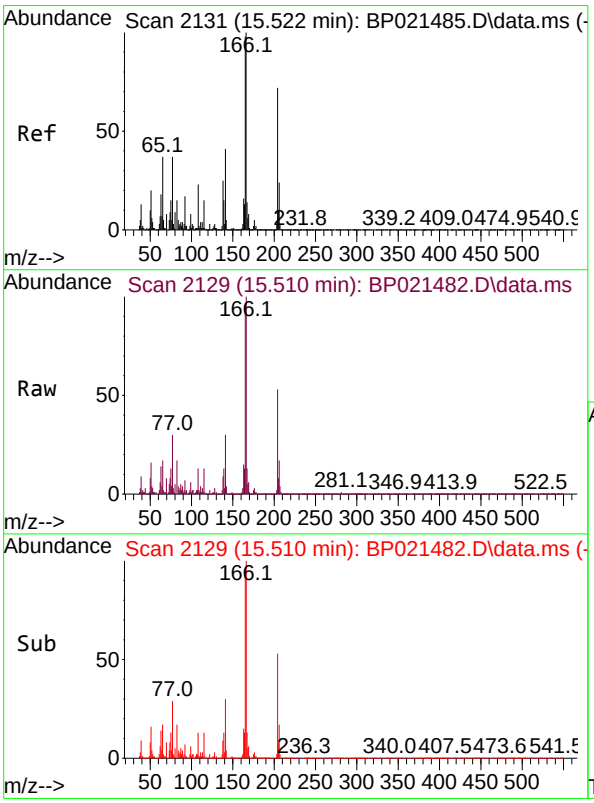
Ion	Ratio	Lower	Upper
149	100		
177	23.2	17.8	26.8
150	12.3	10.1	15.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

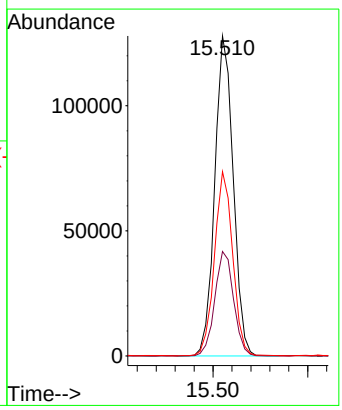
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

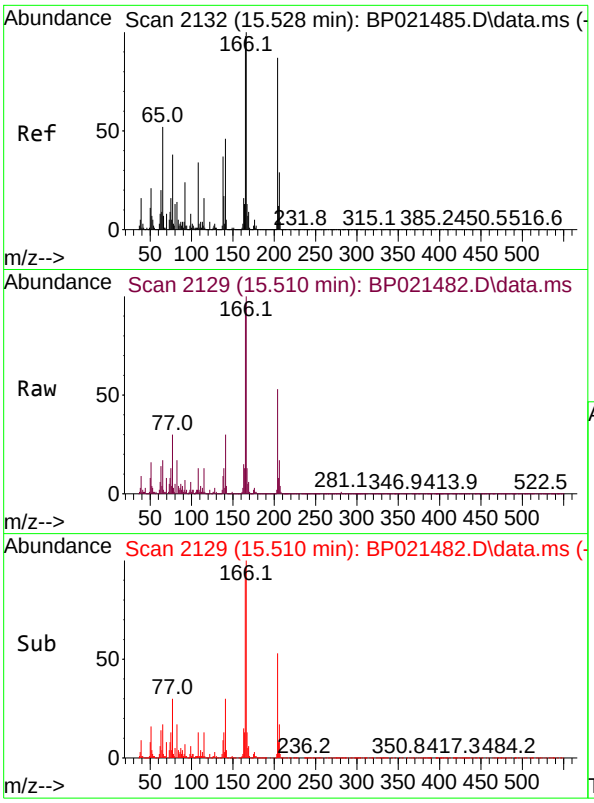


#61
4-Chlorophenyl-phenylether
Concen: 5.340 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:204 Resp: 173085

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.4	39.6
141	57.6	46.1	69.1

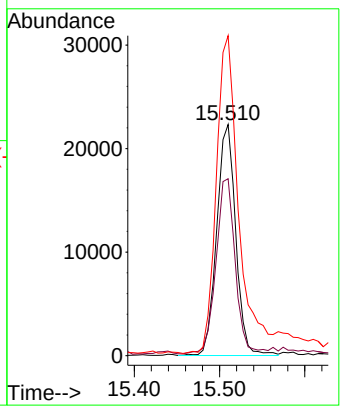




#62
4-Nitroaniline
Concen: 5.481 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:138 Resp: 3457

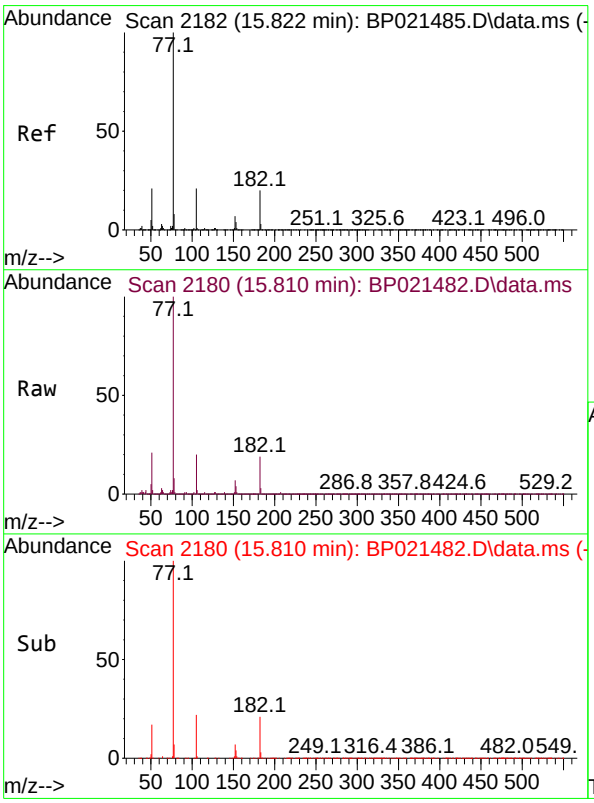
Ion	Ratio	Lower	Upper
138	100		
92	76.5	46.4	86.4
108	138.4	73.2	113.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

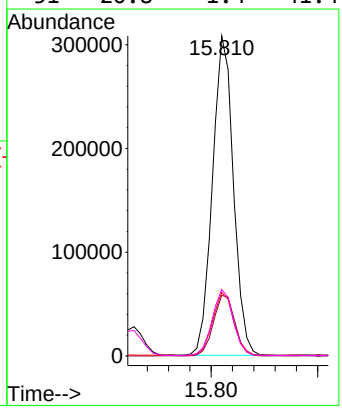
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

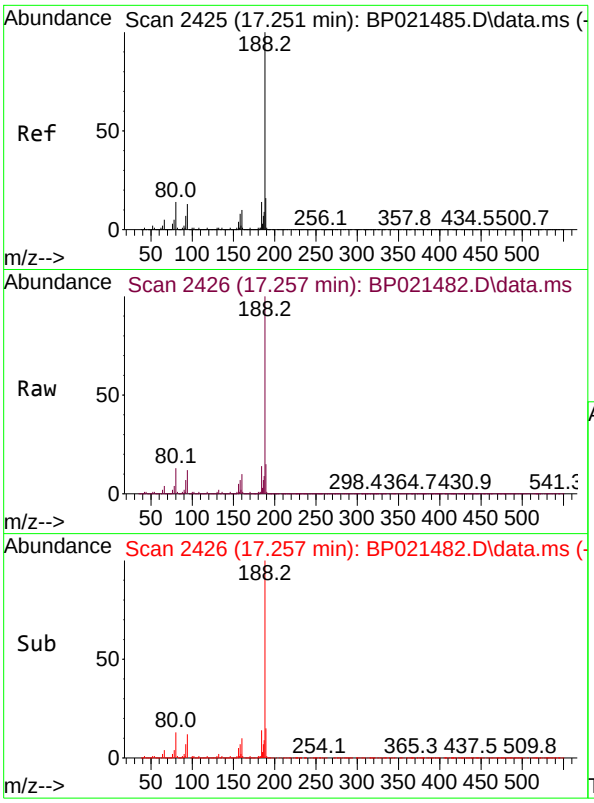


#63
Azobenzene
Concen: 5.318 ng
RT: 15.810 min Scan# 2180
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 77 Resp: 419466

Ion	Ratio	Lower	Upper
77	100		
182	19.0	0.0	39.9
105	19.8	0.9	40.9
51	20.8	1.4	41.4

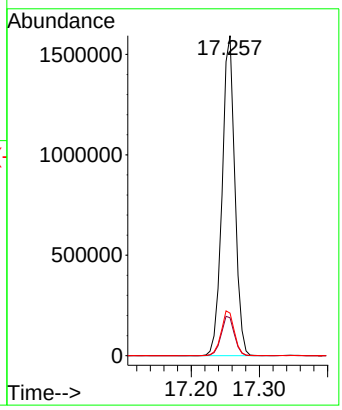




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:188 Resp: 207082

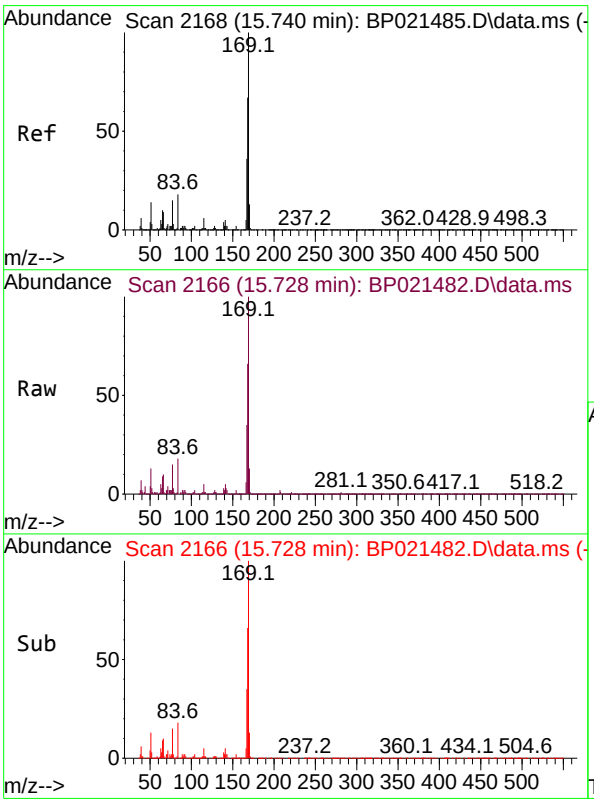
Ion	Ratio	Lower	Upper
188	100		
94	11.9	10.2	15.4
80	13.3	11.6	17.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

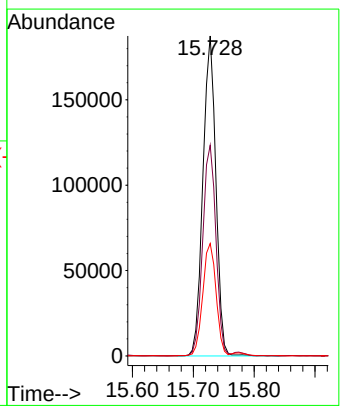
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

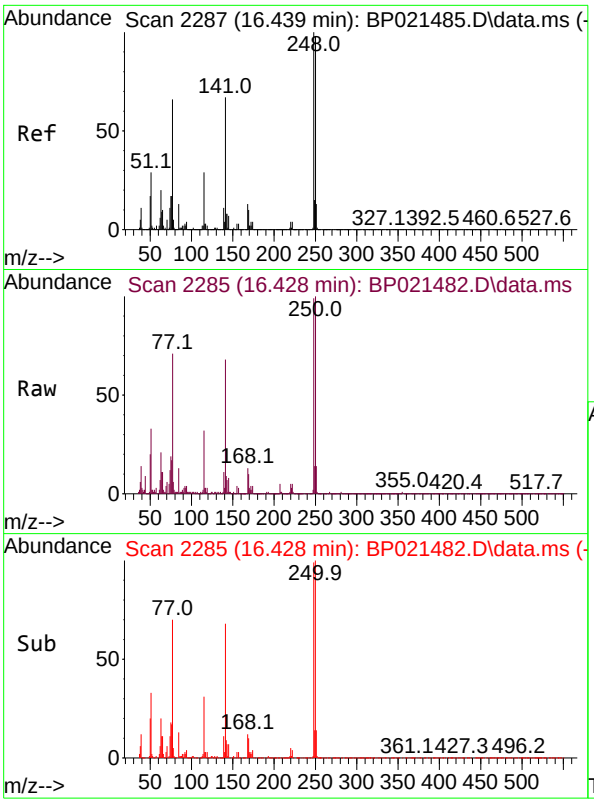


#66
n-Nitrosodiphenylamine
Concen: 4.986 ng
RT: 15.728 min Scan# 2166
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:169 Resp: 276698

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.4	80.2
167	35.2	28.7	43.1

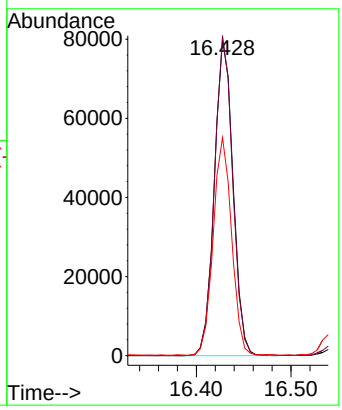




#67
4-Bromophenyl-phenylether
Concen: 4.985 ng
RT: 16.428 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:248 Resp: 10925

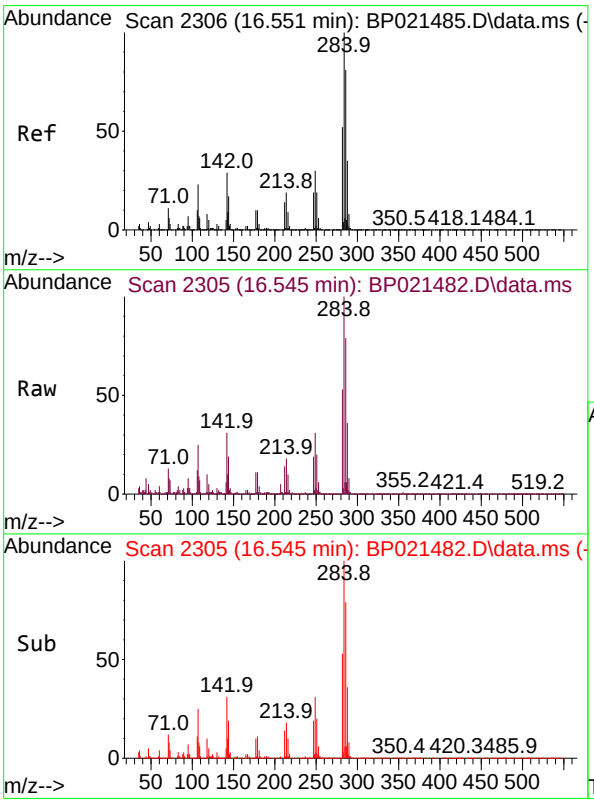
Ion	Ratio	Lower	Upper
248	100		
250	101.3	78.6	117.8
141	69.0	53.9	80.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

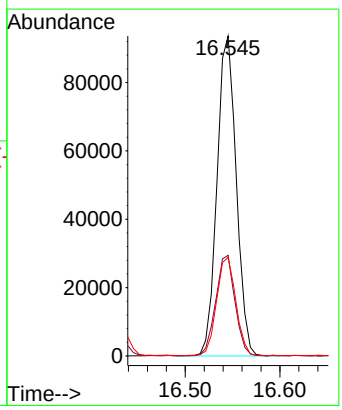
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

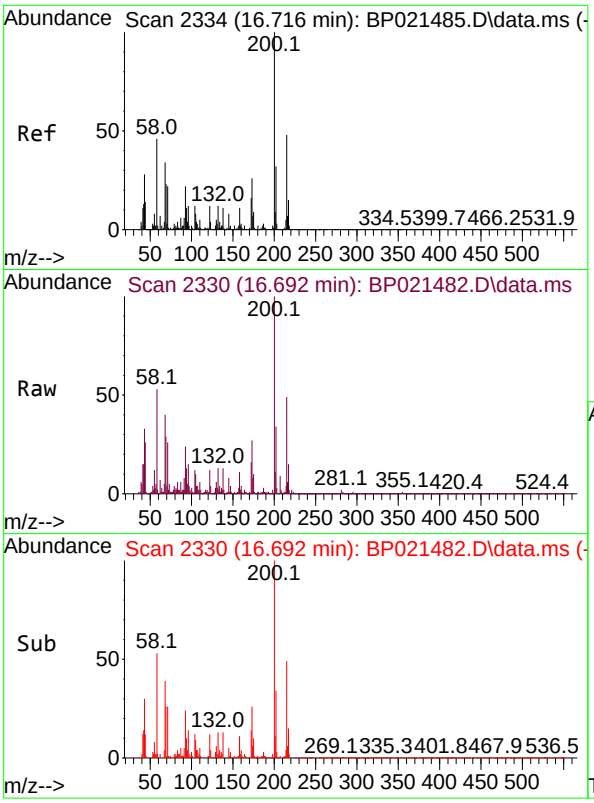


#68
Hexachlorobenzene
Concen: 5.104 ng
RT: 16.545 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:284 Resp: 132184

Ion	Ratio	Lower	Upper
284	100		
142	31.5	23.4	35.2
249	30.8	24.1	36.1

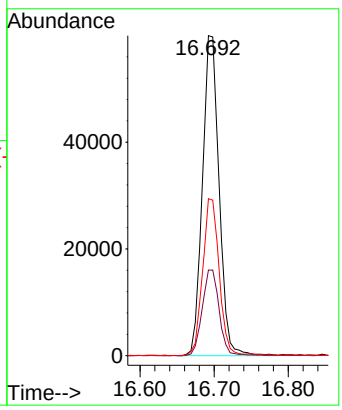




#69
Atrazine
Concen: 4.921 ng
RT: 16.692 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:200 Resp: 9376

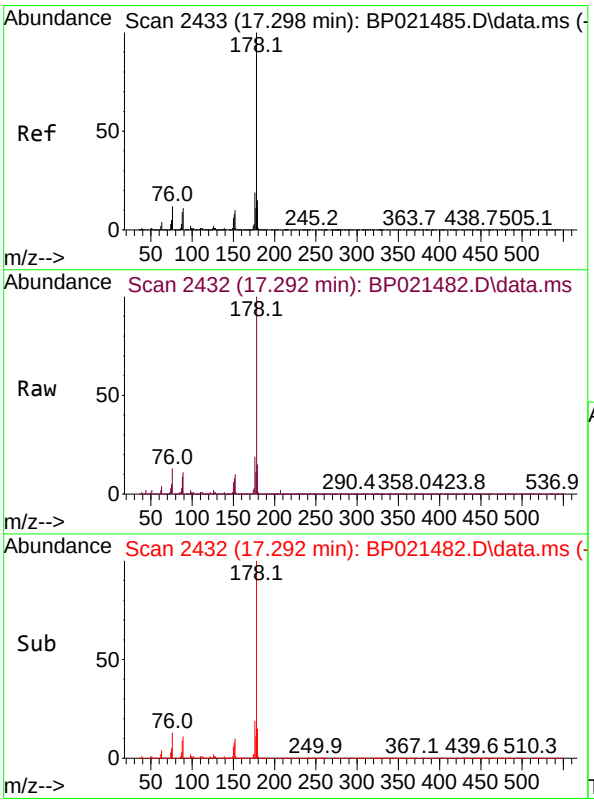
Ion	Ratio	Lower	Upper
200	100		
173	26.8	6.2	46.2
215	49.0	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

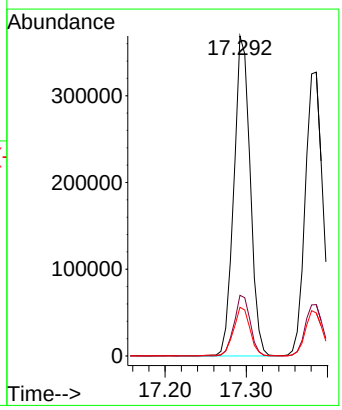
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

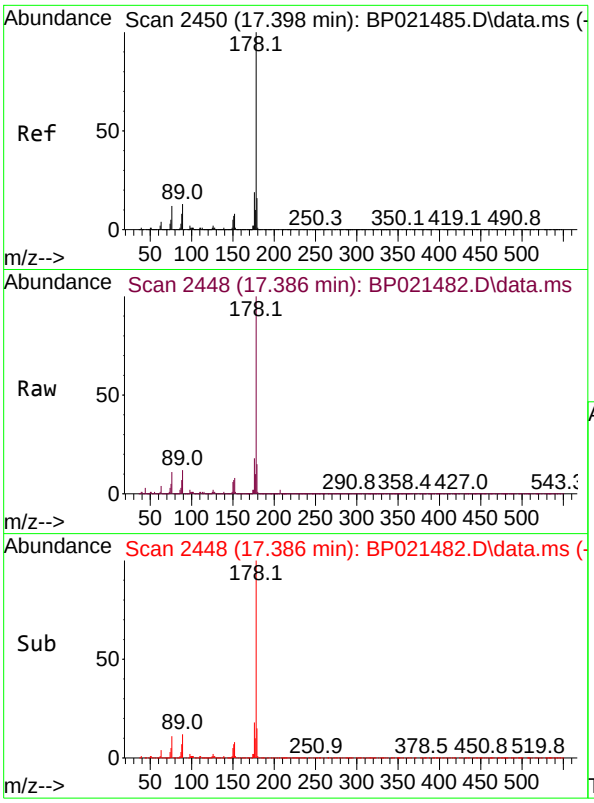


#71
Phenanthrene
Concen: 5.149 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:178 Resp: 512757

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.2	12.4	18.6

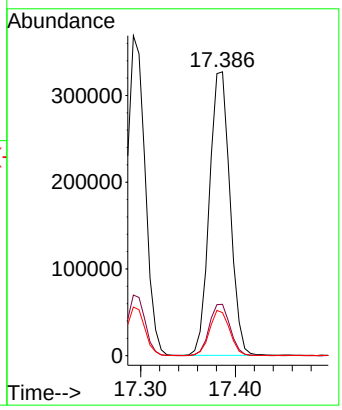




#72
Anthracene
Concen: 5.058 ng
RT: 17.386 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:178 Resp: 49398

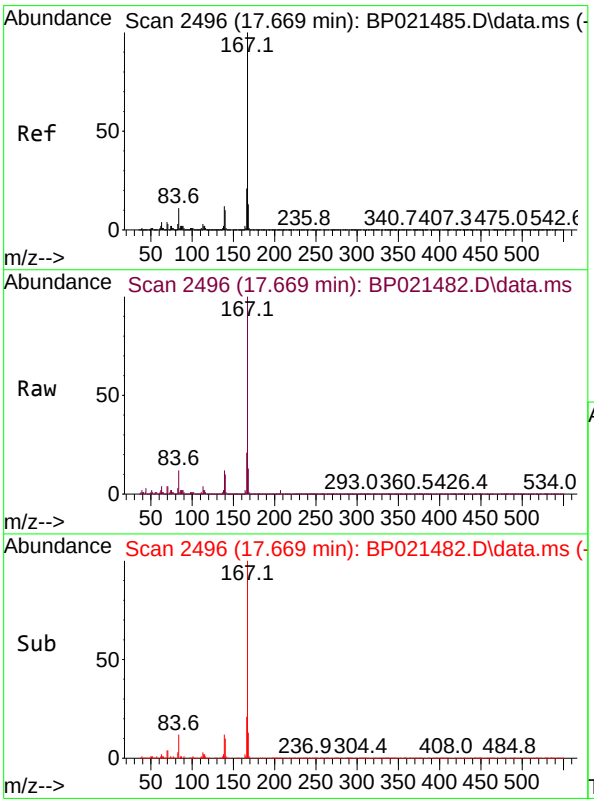
Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.9	22.3
179	15.2	12.5	18.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

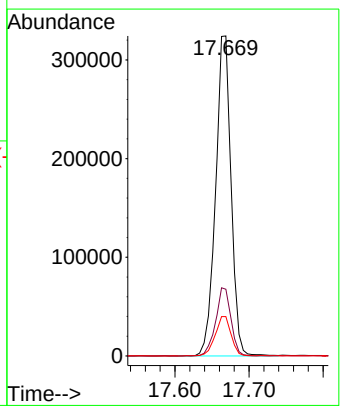
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

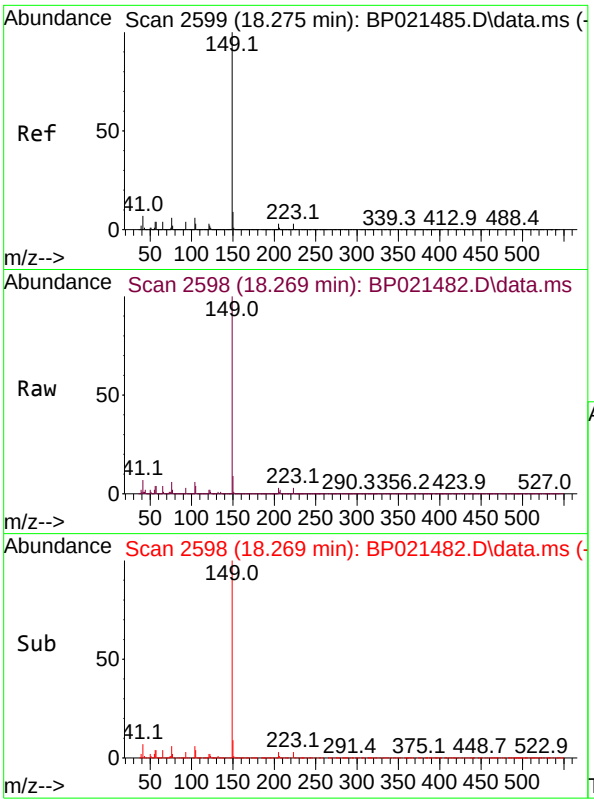


#73
Carbazole
Concen: 4.996 ng
RT: 17.669 min Scan# 2496
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:167 Resp: 470253

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.0	25.4
139	12.3	9.9	14.9

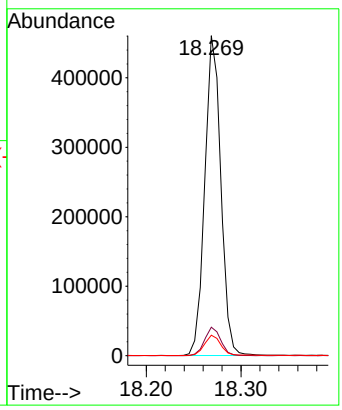




#74
Di-n-butylphthalate
Concen: 4.697 ng
RT: 18.269 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:149 Resp: 54297

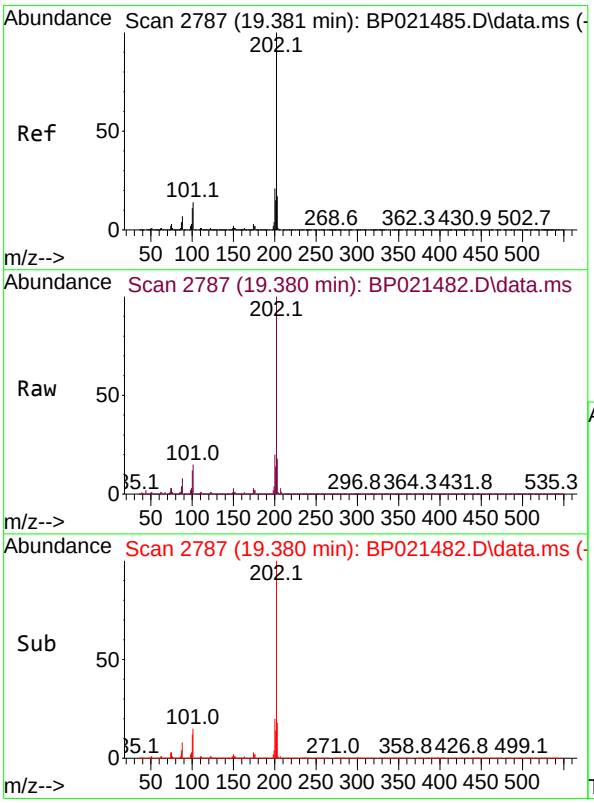
Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	6.4	4.9	7.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

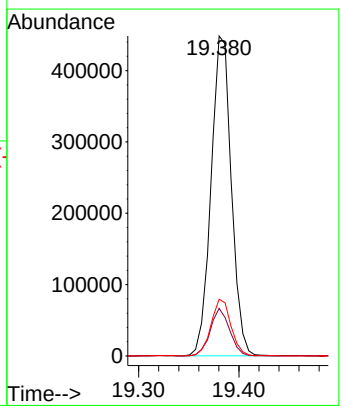
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

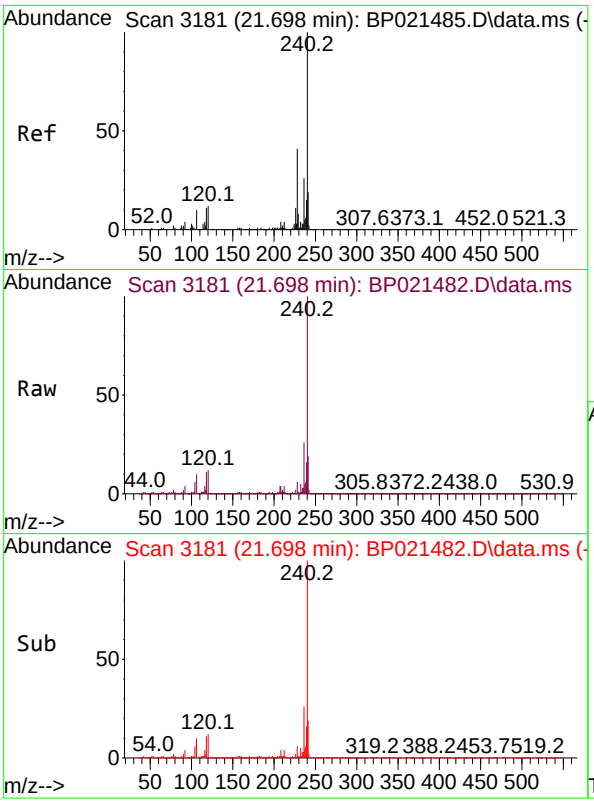


#75
Fluoranthene
Concen: 5.148 ng
RT: 19.380 min Scan# 2787
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:202 Resp: 629080

Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	34.0
203	17.8	0.0	37.5

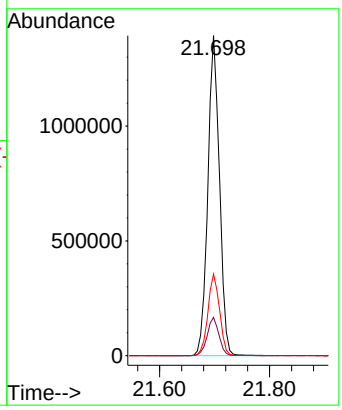




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.698 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:240 Resp: 204039

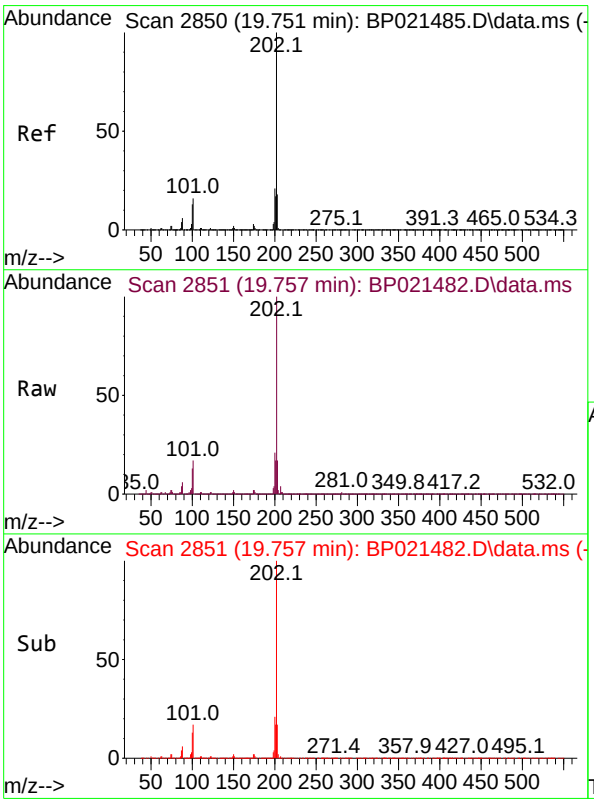
Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.9	14.9
236	25.5	20.6	30.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

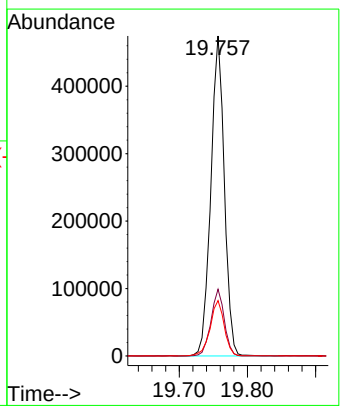
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

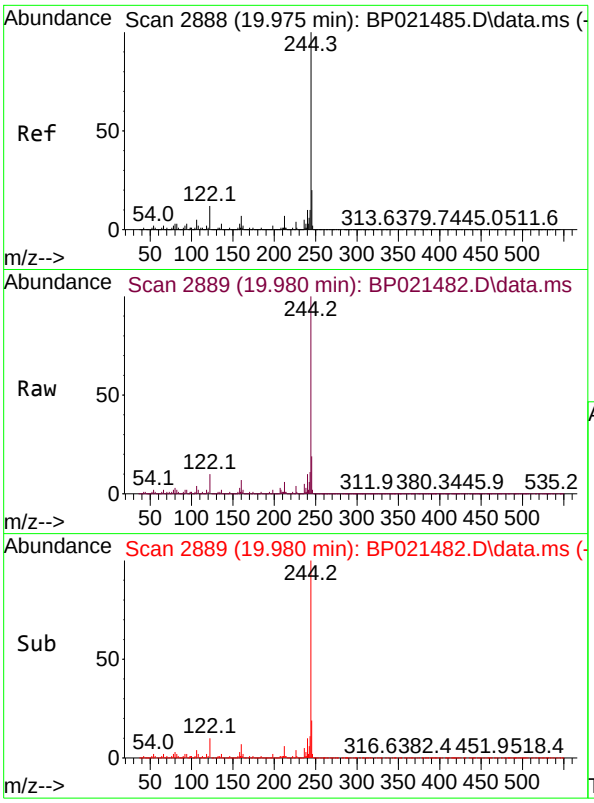


#78
Pyrene
Concen: 4.906 ng
RT: 19.757 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:202 Resp: 654333

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.3	14.1	21.1





#79
Terphenyl-d14
Concen: 10.379 ng
RT: 19.980 min Scan# 2
Delta R.T. 0.005 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

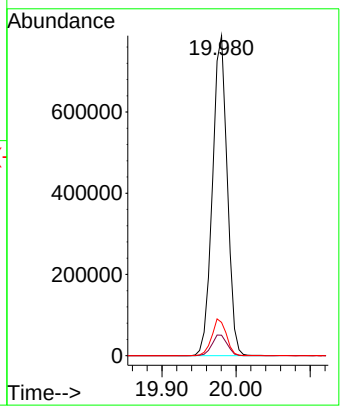
Tgt Ion:244 Resp: 109011

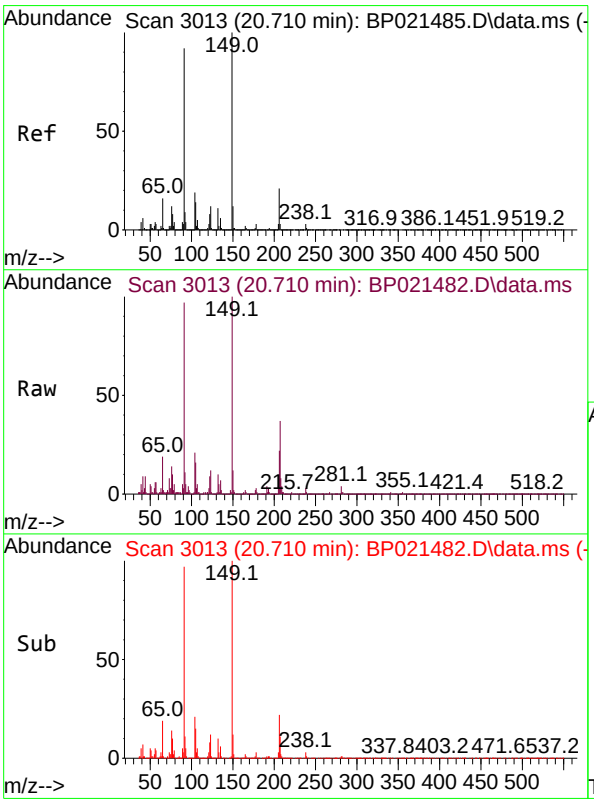
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	10.4	9.4	14.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

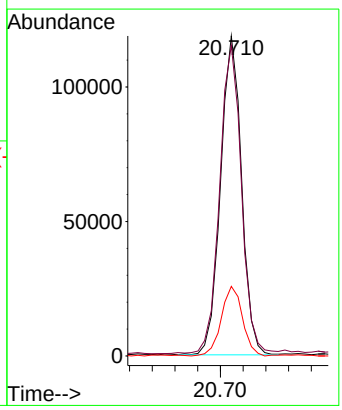


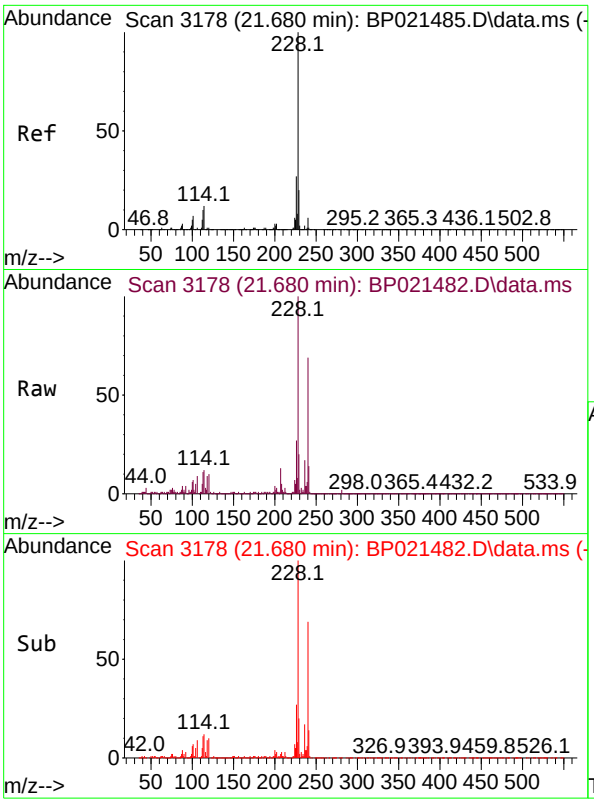


#80
Butylbenzylphthalate
Concen: 6.382 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:149 Resp: 152079

Ion	Ratio	Lower	Upper
149	100		
91	97.1	73.3	109.9
206	21.7	17.1	25.7

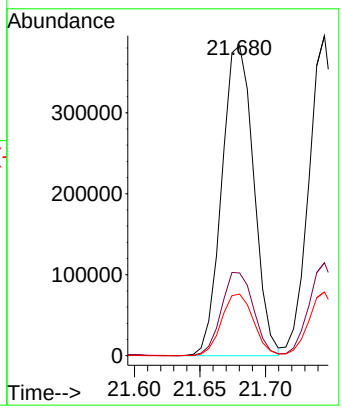




#81
Benzo(a)anthracene
Concen: 5.063 ng
RT: 21.680 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:228 Resp: 64852

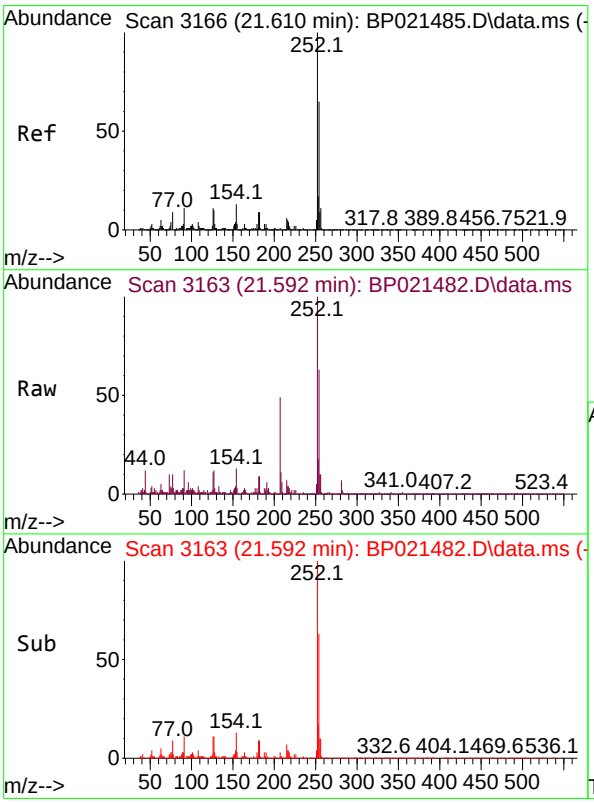
Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.4	32.2
229	19.9	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

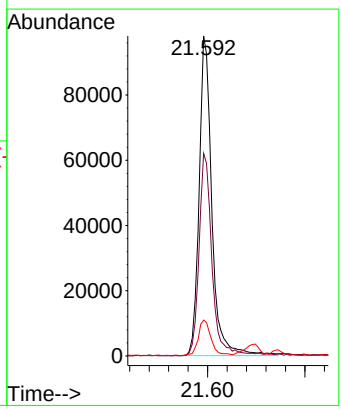
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

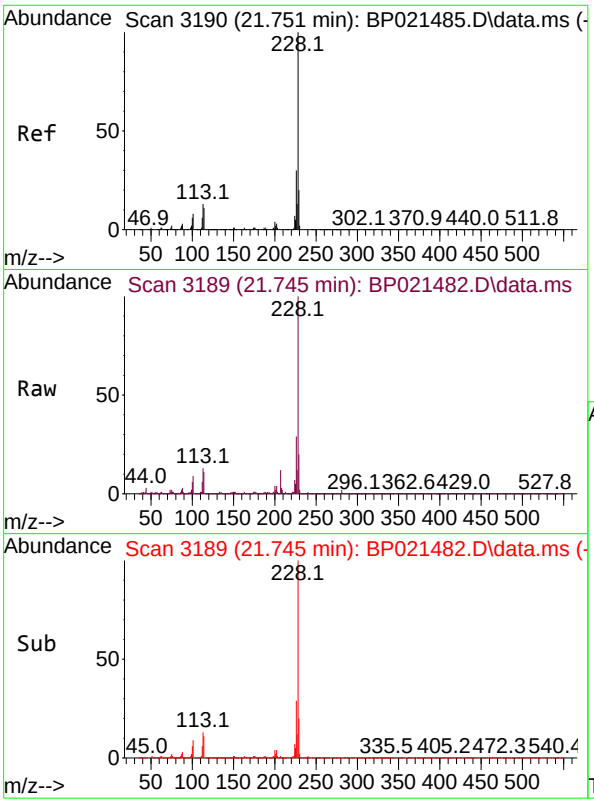


#82
3,3'-Dichlorobenzidine
Concen: 4.338 ng
RT: 21.592 min Scan# 3163
Delta R.T. -0.018 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:252 Resp: 178137

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.7	77.5
126	11.2	8.7	13.1

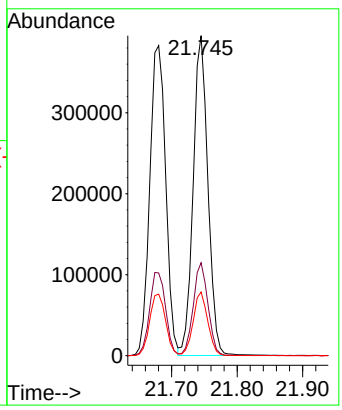




#83
Chrysene
Concen: 5.115 ng
RT: 21.745 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:228 Resp: 61862

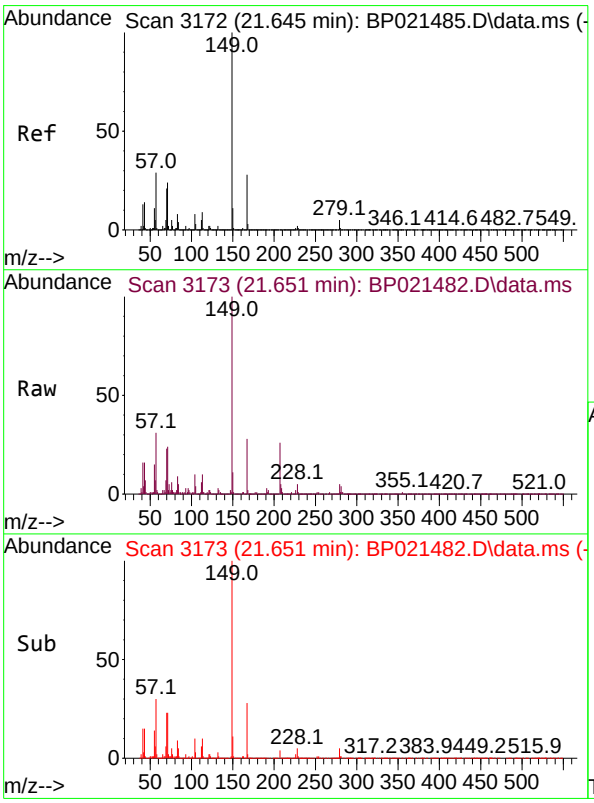
Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.9	35.9
229	19.9	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

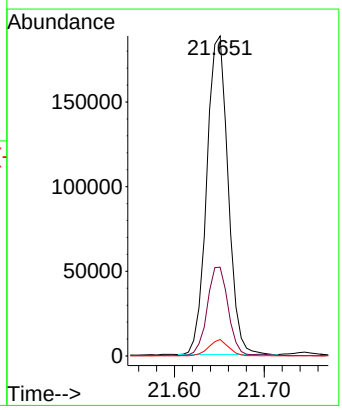
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

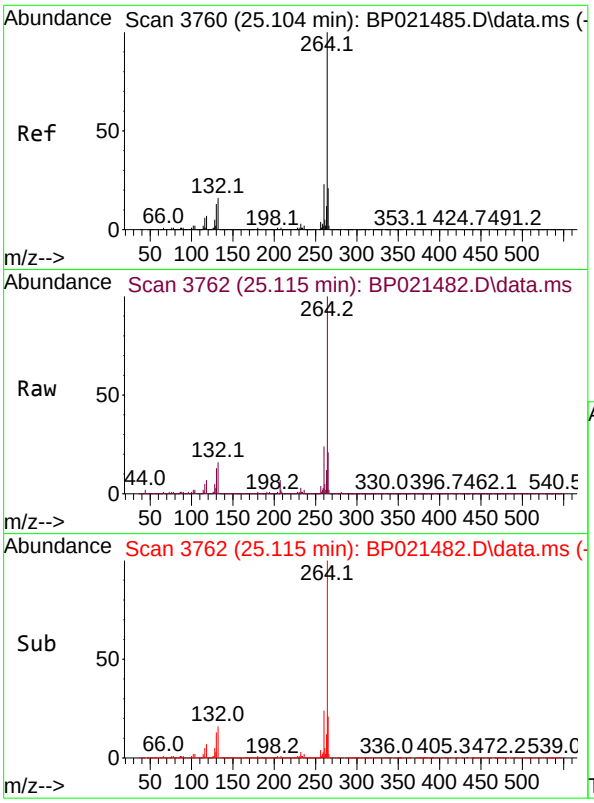


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.091 ng
RT: 21.651 min Scan# 3173
Delta R.T. 0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:149 Resp: 309738

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.3	33.5
279	5.2	3.8	5.6

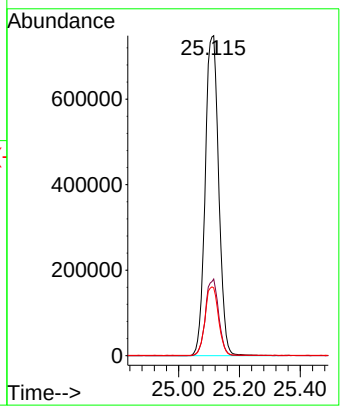




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.115 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:264 Resp: 229953

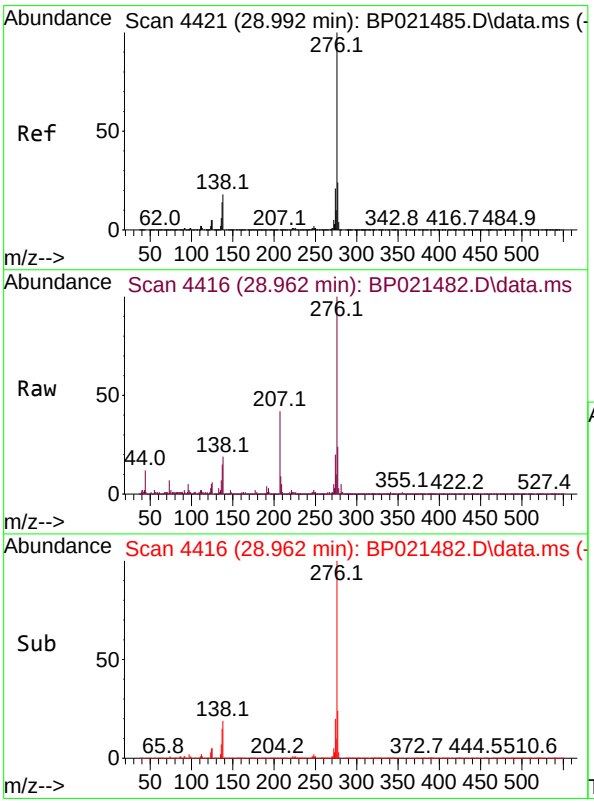
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.2	17.1	25.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

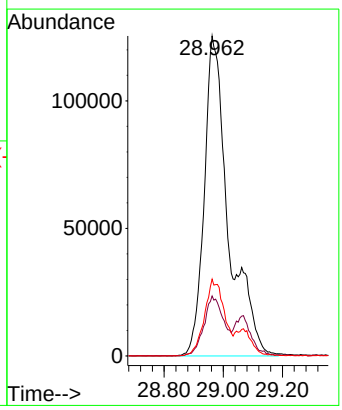
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

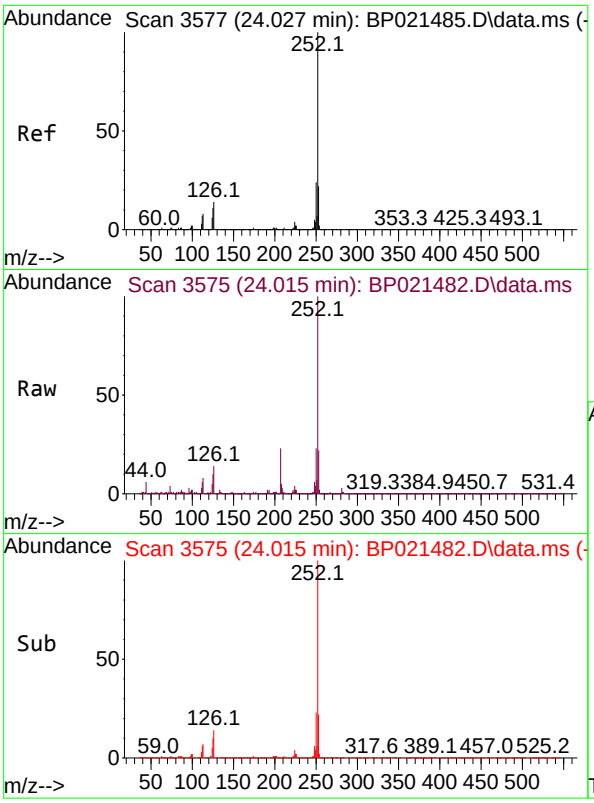


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.800 ng m
RT: 28.962 min Scan# 4416
Delta R.T. -0.030 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:276 Resp: 715393

Ion	Ratio	Lower	Upper
276	100		
138	15.3	12.8	19.2
277	19.6	16.5	24.7

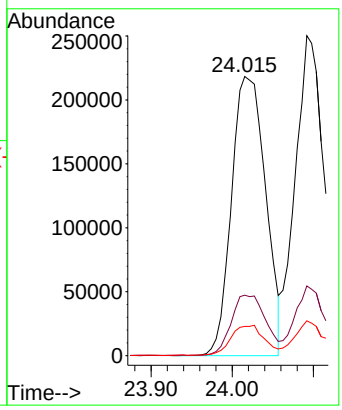




#88
Benzo(b)fluoranthene
Concen: 4.816 ng
RT: 24.015 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:252 Resp: 63602

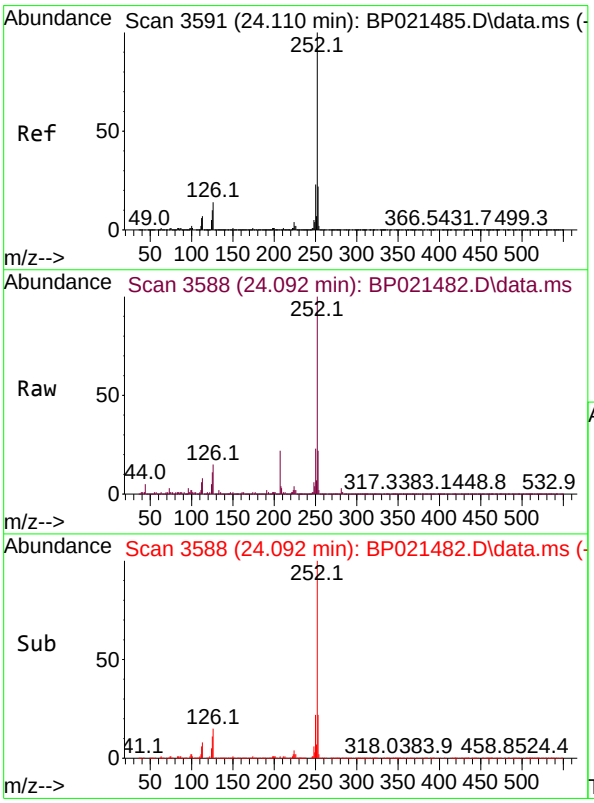
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	10.5	8.6	13.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

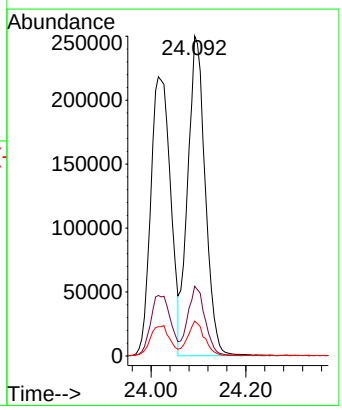
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

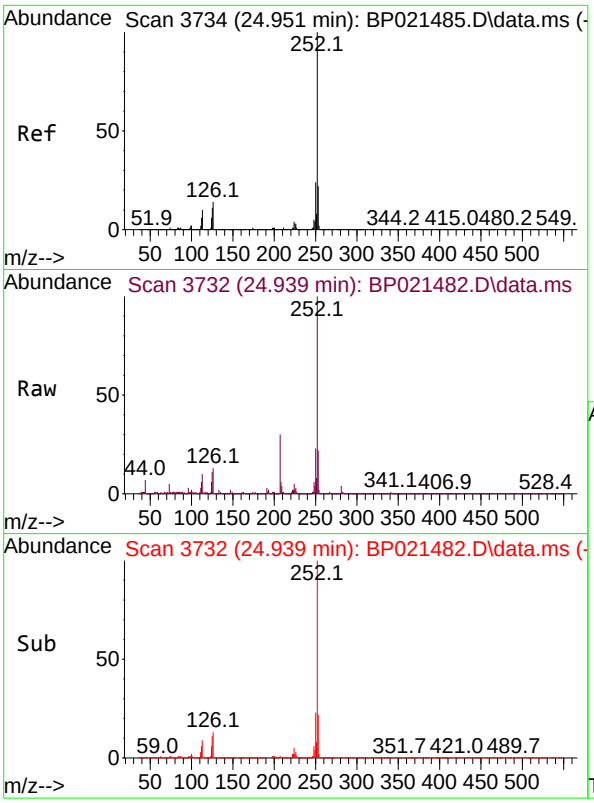


#89
Benzo(k)fluoranthene
Concen: 4.975 ng
RT: 24.092 min Scan# 3588
Delta R.T. -0.018 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:252 Resp: 640982

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.9	7.8	11.8

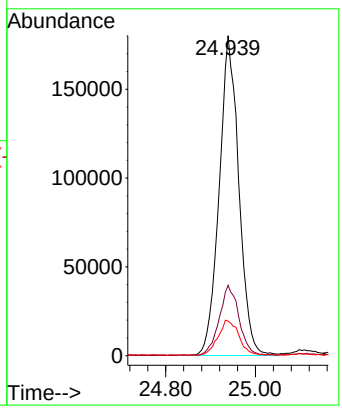




#90
Benzo(a)pyrene
Concen: 4.783 ng
RT: 24.939 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:252 Resp: 54814

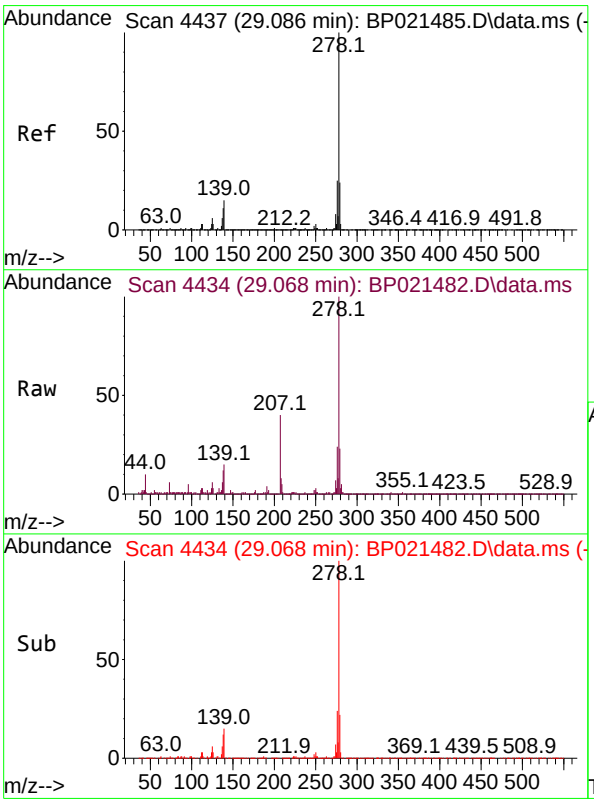
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.8	8.7	13.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

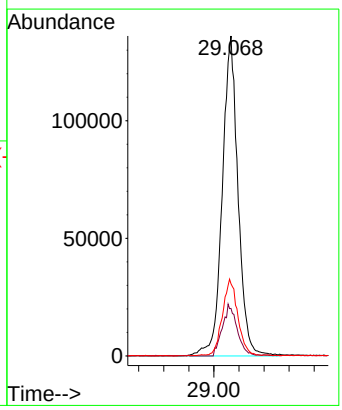
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

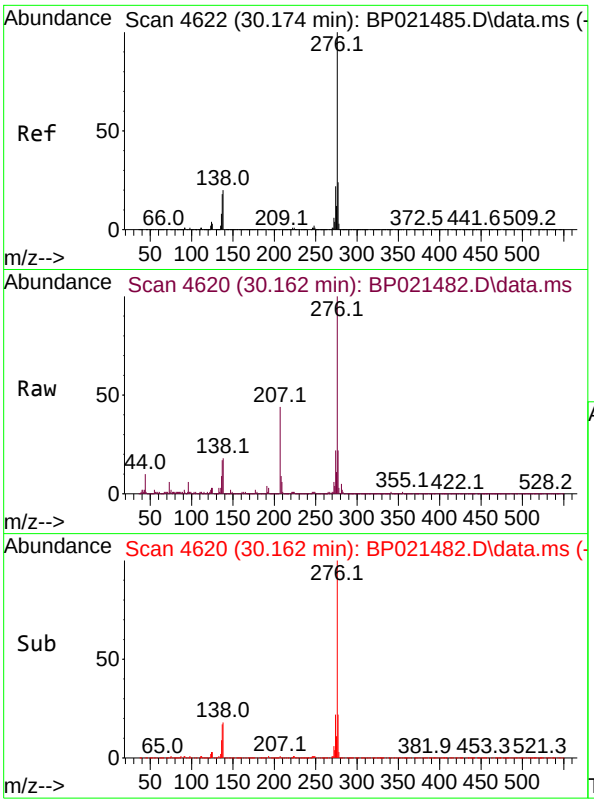


#91
Dibenzo(a,h)anthracene
Concen: 4.802 ng
RT: 29.068 min Scan# 4434
Delta R.T. -0.018 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:278 Resp: 594702

Ion	Ratio	Lower	Upper
278	100		
139	14.9	12.2	18.4
279	22.6	19.1	28.7

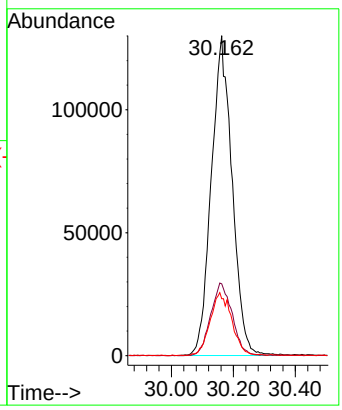




#92
Benzo(g,h,i)perylene
Concen: 4.872 ng
RT: 30.162 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:276 Resp: 60477

Ion	Ratio	Lower	Upper
276	100		
277	22.4	19.0	28.6
138	17.8	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021483.D
Acq On : 13 Aug 2024 13:59
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:50:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.805	152	385438	20.000	ng		0.00
21) Naphthalene-d8	10.599	136	1772285	20.000	ng		0.00
39) Acenaphthene-d10	14.451	164	1303990	20.000	ng		0.00
64) Phenanthrene-d10	17.251	188	2799153	20.000	ng		0.00
76) Chrysene-d12	21.710	240	2268651	20.000	ng		0.01
86) Perylene-d12	25.110	264	2172035	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	495524	19.090	ng		0.00
7) Phenol-d6	6.958	99	755554	19.953	ng		0.00
23) Nitrobenzene-d5	8.952	82	600158	17.479	ng		0.00
42) 2,4,6-Tribromophenol	15.963	330	266074	18.334	ng		0.00
45) 2-Fluorobiphenyl	13.057	172	1713239	20.051	ng		0.00
79) Terphenyl-d14	19.963	244	2713318	23.235	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.317	88	118289	9.611	ng		97
3) Pyridine	3.705	79	331408	9.645	ng		98
4) n-Nitrosodimethylamine	3.617	42	101144	9.794	ng	#	99
6) Aniline	7.128	93	392151	10.359	ng		99
8) 2-Chlorophenol	7.369	128	235350	9.811	ng		97
9) Benzaldehyde	6.946	77	278892	11.503	ng		99
10) Phenol	6.987	94	389958	9.945	ng		99
11) bis(2-Chloroethyl)ether	7.228	93	346942	10.456	ng		99
12) 1,3-Dichlorobenzene	7.699	146	285122	10.006	ng		98
13) 1,4-Dichlorobenzene	7.840	146	291753	10.140	ng		99
14) 1,2-Dichlorobenzene	8.158	146	284225	10.251	ng		99
15) Benzyl Alcohol	8.034	79	280251	10.315	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.334	45	330688m	10.822	ng		
17) 2-Methylphenol	8.228	107	252971	10.205	ng		98
18) Hexachloroethane	8.893	117	113709	9.855	ng		99
19) n-Nitroso-di-n-propyla...	8.599	70	299730	11.459	ng		99
20) 3+4-Methylphenols	8.558	107	350826	10.496	ng		98
22) Acetophenone	8.616	105	550125	10.104	ng	#	98
24) Nitrobenzene	8.993	77	341460	9.156	ng		96
25) Isophorone	9.516	82	859297	10.593	ng		99
26) 2-Nitrophenol	9.705	139	55468	10.066	ng		94
27) 2,4-Dimethylphenol	9.757	122	199430	9.962	ng		98
28) bis(2-Chloroethoxy)met...	10.005	93	508512	10.270	ng		99
29) 2,4-Dichlorophenol	10.240	162	220504	9.322	ng		98
30) 1,2,4-Trichlorobenzene	10.457	180	293816	9.689	ng		96
31) Naphthalene	10.646	128	922302	9.962	ng		99
32) Benzoic acid	9.828	122	72405	10.529	ng		89
33) 4-Chloroaniline	10.740	127	357126	10.269	ng		98
34) Hexachlorobutadiene	10.946	225	188389	9.867	ng		99
35) Caprolactam	11.481	113	101824	10.344	ng		98
36) 4-Chloro-3-methylphenol	11.863	107	332115	10.122	ng		98
37) 2-Methylnaphthalene	12.257	142	657592	10.407	ng		99
38) 1-Methylnaphthalene	12.475	142	651444	10.453	ng		99
40) 1,2,4,5-Tetrachloroben...	12.628	216	354329	9.274	ng		100
41) Hexachlorocyclopentadiene	12.622	237	99734	8.236	ng		96
43) 2,4,6-Trichlorophenol	12.863	196	185031	8.718	ng		96

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021483.D
Acq On : 13 Aug 2024 13:59
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:50:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	206114	8.741	ng		99
46) 1,1'-Biphenyl	13.275	154	912835	9.894	ng		99
47) 2-Chloronaphthalene	13.310	162	700953	9.759	ng		99
48) 2-Nitroaniline	13.504	65	117865	10.374	ng		97
49) Acenaphthylene	14.169	152	1049611	9.941	ng		100
50) Dimethylphthalate	13.893	163	889818	10.190	ng		100
51) 2,6-Dinitrotoluene	14.004	165	122236	10.348	ng		90
52) Acenaphthene	14.516	154	690129	9.961	ng		100
53) 3-Nitroaniline	14.328	138	120754	10.365	ng	#	95
54) 2,4-Dinitrophenol	14.540	184	29452	10.721	ng	#	52
55) Dibenzofuran	14.851	168	1067432	10.016	ng		100
56) 4-Nitrophenol	14.628	139	91997	11.027	ng		92
57) 2,4-Dinitrotoluene	14.804	165	139246	10.586	ng		94
58) Fluorene	15.522	166	912792	10.425	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.075	232	181235	9.055	ng		99
60) Diethylphthalate	15.292	149	909304	10.148	ng		98
61) 4-Chlorophenyl-phenyle...	15.516	204	471863	10.426	ng		98
62) 4-Nitroaniline	15.516	138	129100	9.743	ng		87
63) Azobenzene	15.810	77	1159642	10.529	ng		99
65) 4,6-Dinitro-2-methylph...	15.581	198	44079	11.022	ng		91
66) n-Nitrosodiphenylamine	15.722	169	757847	10.103	ng		100
67) 4-Bromophenyl-phenylether	16.422	248	293464	9.906	ng		98
68) Hexachlorobenzene	16.545	284	347933	9.938	ng		96
69) Atrazine	16.698	200	260277	10.106	ng		99
70) Pentachlorophenol	16.892	266	150520	7.877	ng		99
71) Phenanthrene	17.298	178	1348415	10.017	ng		99
72) Anthracene	17.392	178	1336422	10.123	ng		99
73) Carbazole	17.657	167	1267960	9.966	ng		99
74) Di-n-butylphthalate	18.275	149	1490471	9.539	ng		99
75) Fluoranthene	19.375	202	1613504	9.769	ng		100
77) Benzidine	19.569	184	336598	9.509	ng		99
78) Pyrene	19.751	202	1667213	11.243	ng		99
80) Butylbenzylphthalate	20.704	149	414136	10.409	ng		96
81) Benzo(a)anthracene	21.680	228	1415007	9.936	ng		100
82) 3,3'-Dichlorobenzidine	21.598	252	405660	8.884	ng		99
83) Chrysene	21.751	228	1338613	9.955	ng		99
84) Bis(2-ethylhexyl)phtha...	21.639	149	720802	8.563	ng		100
85) Di-n-octyl phthalate	22.951	149	951183	10.621	ng		99
87) Indeno(1,2,3-cd)pyrene	28.974	276	1255326	8.917	ng		98
88) Benzo(b)fluoranthene	24.021	252	1250809	10.027	ng		99
89) Benzo(k)fluoranthene	24.092	252	1195420	9.824	ng		99
90) Benzo(a)pyrene	24.927	252	1035462	9.565	ng		99
91) Dibenzo(a,h)anthracene	29.051	278	1047693	8.956	ng		99
92) Benzo(g,h,i)perylene	30.168	276	1037272	8.847	ng		99

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

ICAL Form

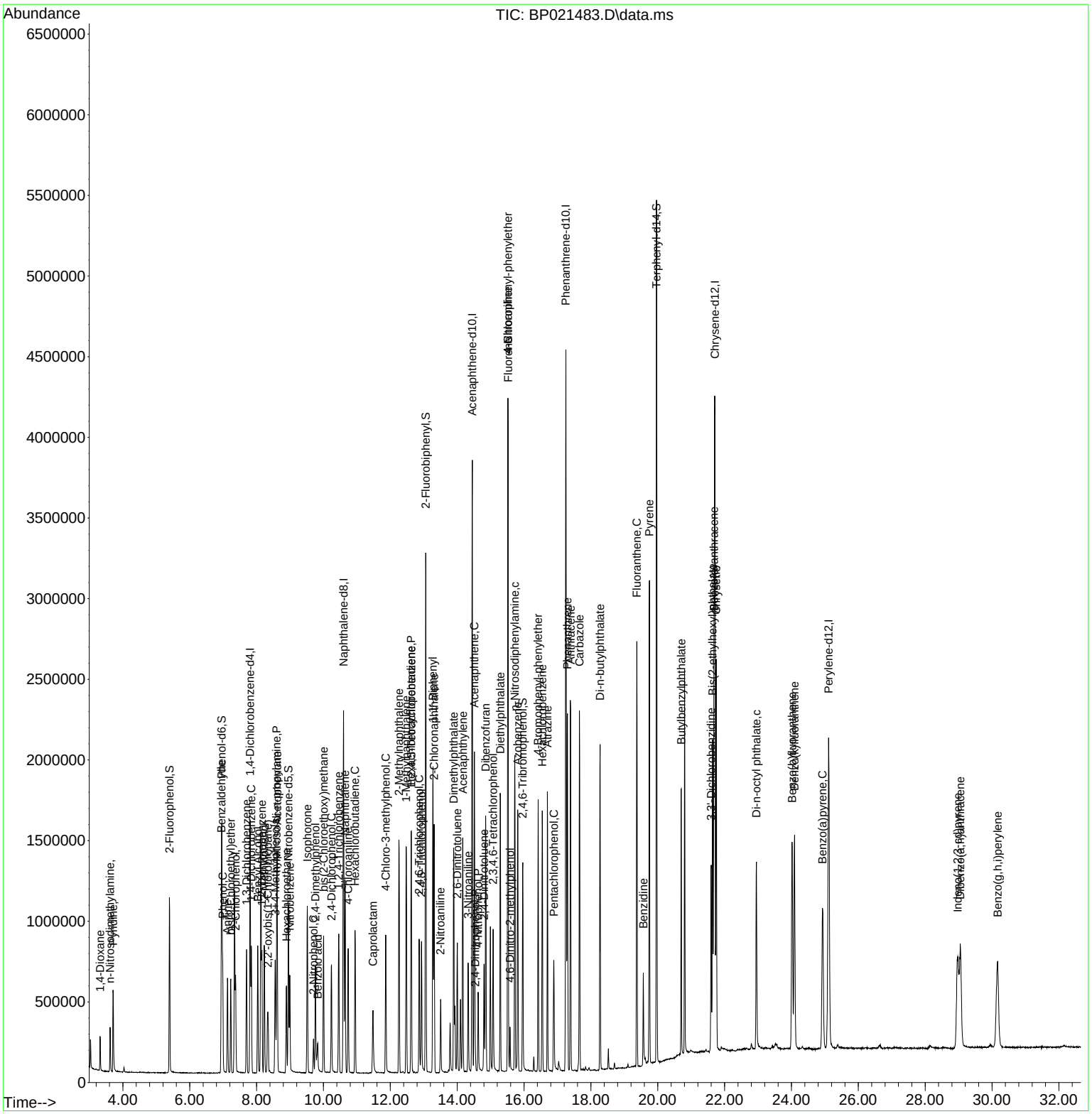
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021483.D
Acq On : 13 Aug 2024 13:59
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

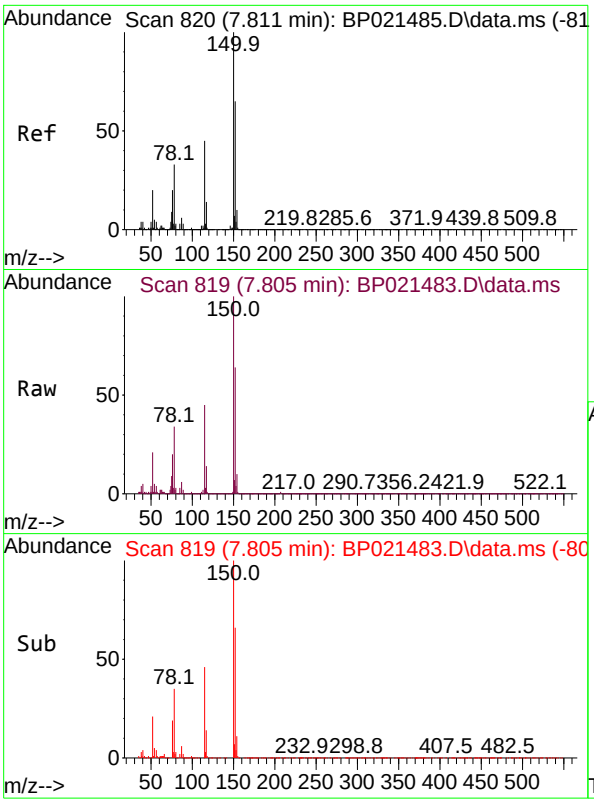
Quant Time: Aug 13 23:50:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

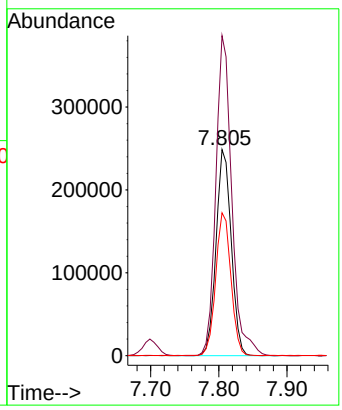




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:152 Resp: 38543

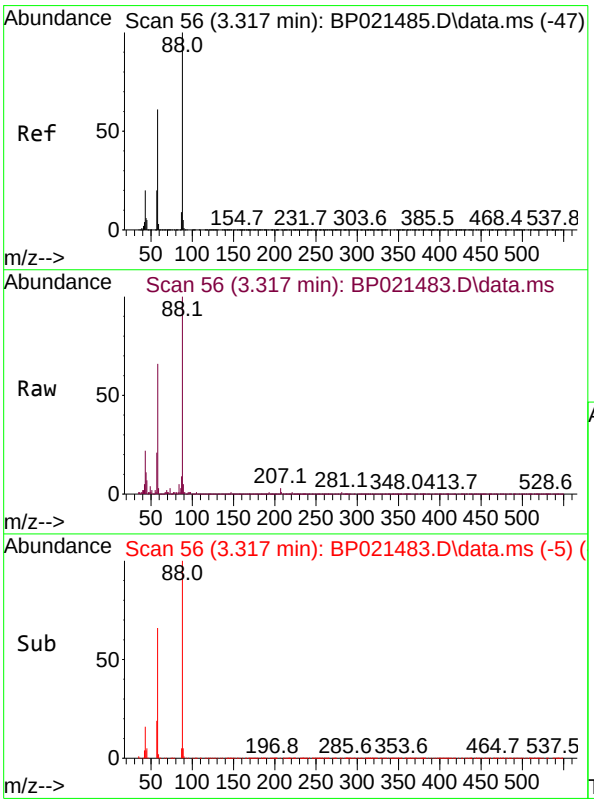
Ion	Ratio	Lower	Upper
152	100		
150	155.2	122.4	183.6
115	69.3	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

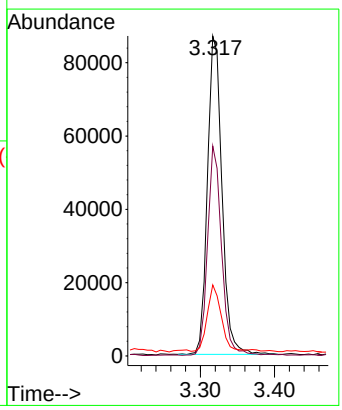
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

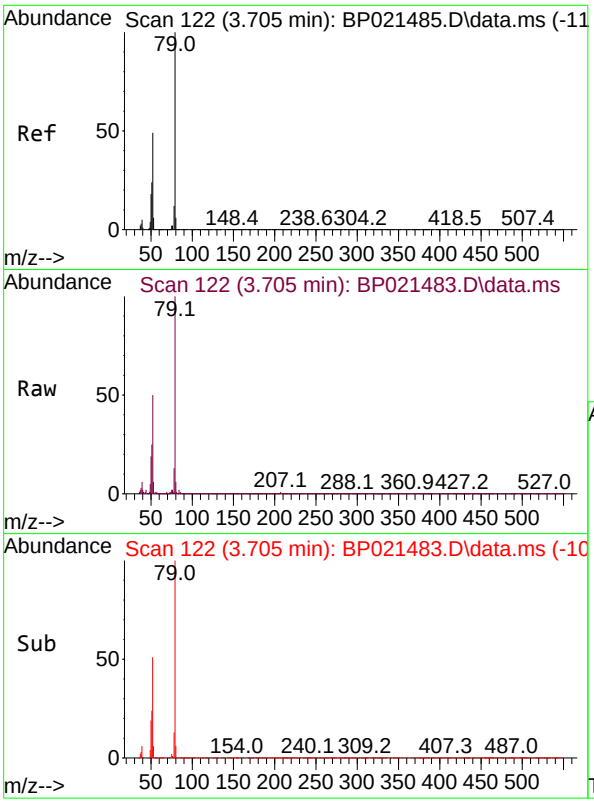


#2
1,4-Dioxane
Concen: 9.611 ng
RT: 3.317 min Scan# 56
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 88 Resp: 118289

Ion	Ratio	Lower	Upper
88	100		
58	63.3	48.7	73.1
43	19.9	15.4	23.2

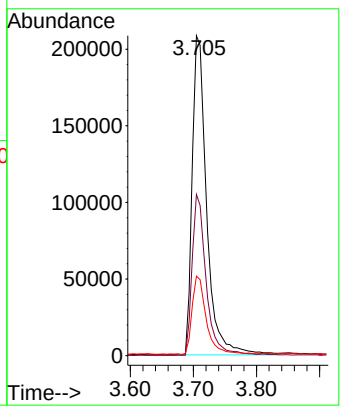




#3
Pyridine
Concen: 9.645 ng
RT: 3.705 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 79 Resp: 33140

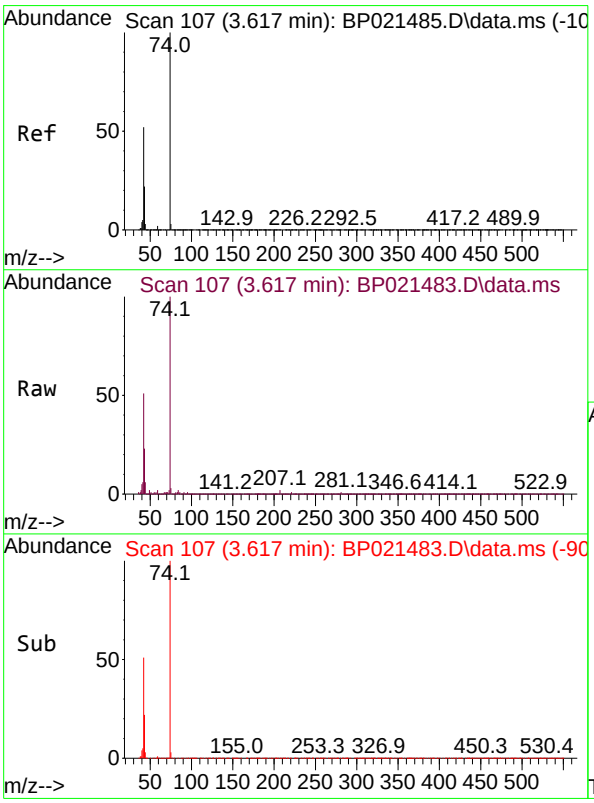
Ion	Ratio	Lower	Upper
79	100		
52	50.4	39.0	58.6
51	24.9	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

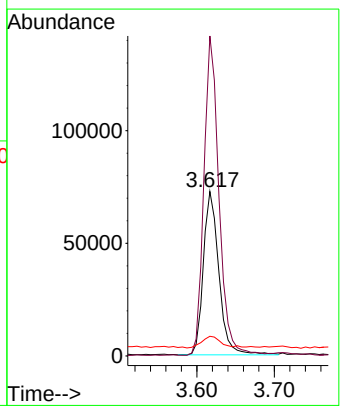
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

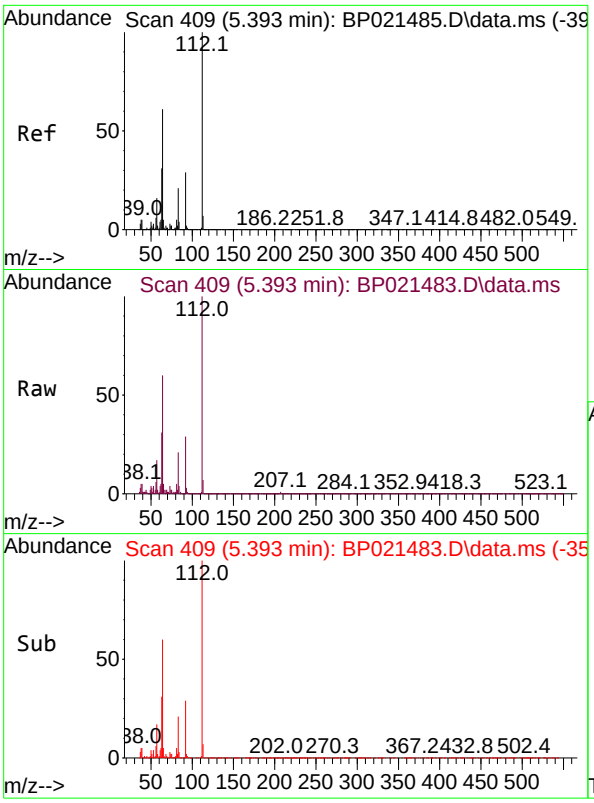


#4
n-Nitrosodimethylamine
Concen: 9.794 ng
RT: 3.617 min Scan# 107
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 42 Resp: 101144

Ion	Ratio	Lower	Upper
42	100		
74	194.5	154.3	231.5
44	12.0	6.2	9.4#

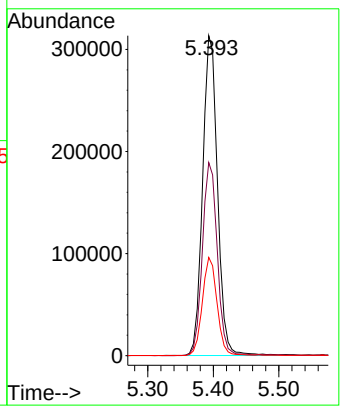




#5
2-Fluorophenol
Concen: 19.090 ng
RT: 5.393 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:112 Resp: 49552

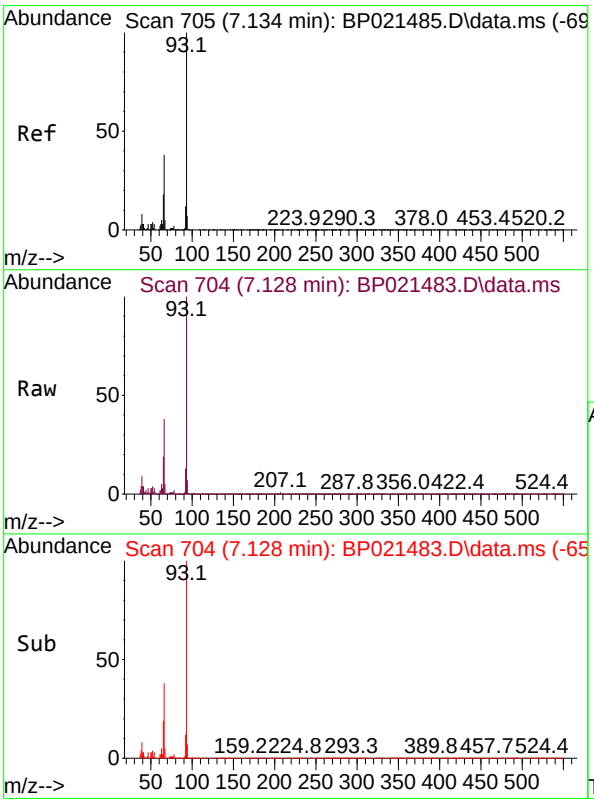
Ion	Ratio	Lower	Upper
112	100		
64	60.4	49.0	73.6
63	30.7	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

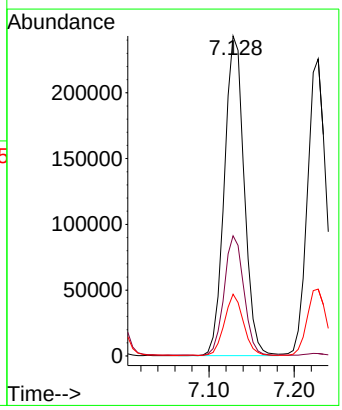
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

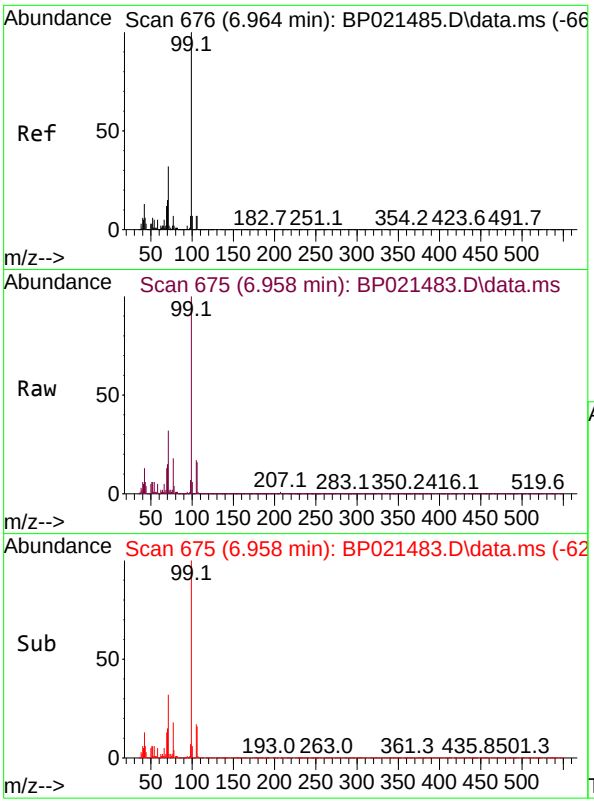


#6
Aniline
Concen: 10.359 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 93 Resp: 392151

Ion	Ratio	Lower	Upper
93	100		
66	37.6	30.2	45.2
65	19.3	14.7	22.1

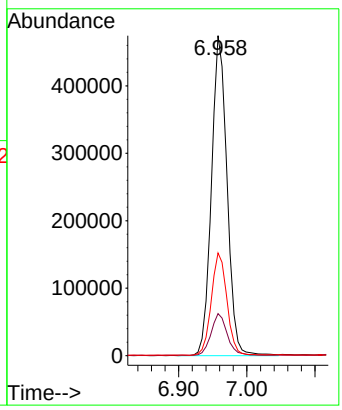




#7
Phenol-d6
Concen: 19.953 ng
RT: 6.958 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 99 Resp: 75555

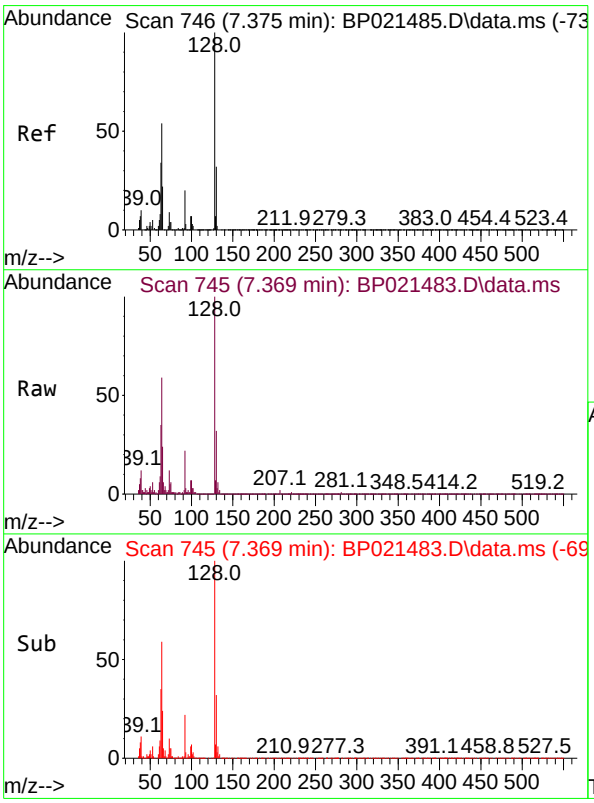
Ion	Ratio	Lower	Upper
99	100		
42	13.1	10.2	15.4
71	32.1	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

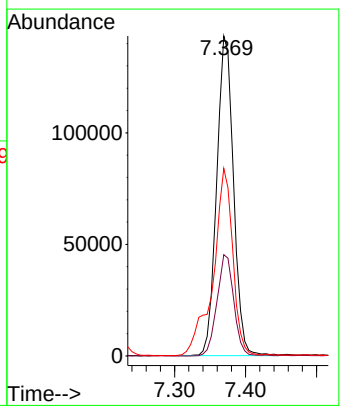
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

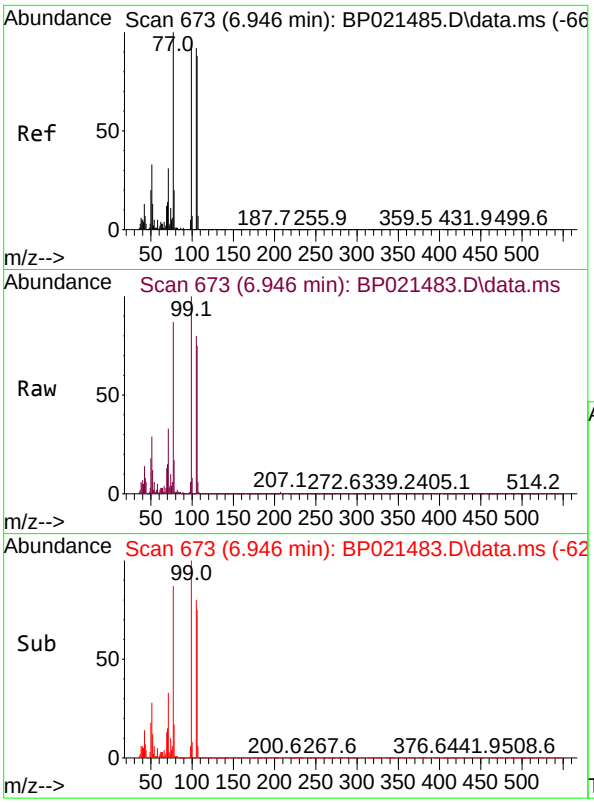


#8
2-Chlorophenol
Concen: 9.811 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:128 Resp: 235350

Ion	Ratio	Lower	Upper
128	100		
130	31.6	11.6	51.6
64	58.6	35.3	75.3

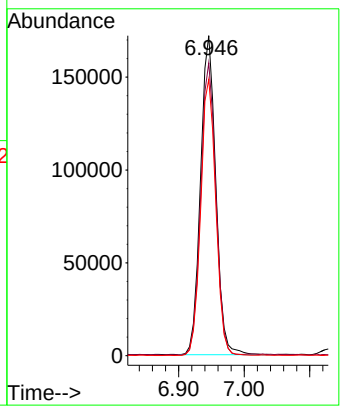




#9
Benzaldehyde
Concen: 11.503 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 77 Resp: 27889

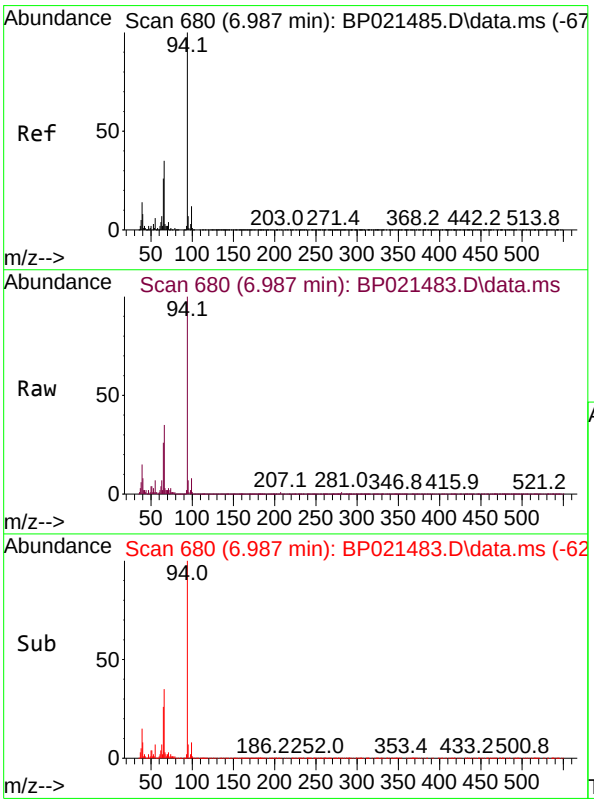
Ion	Ratio	Lower	Upper
77	100		
105	91.5	72.1	112.1
106	86.4	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

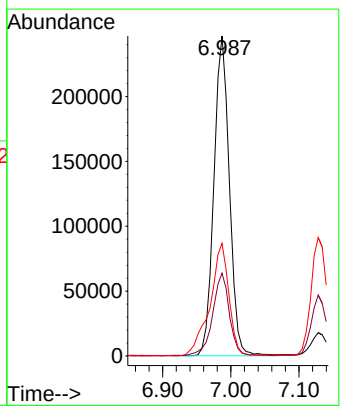
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

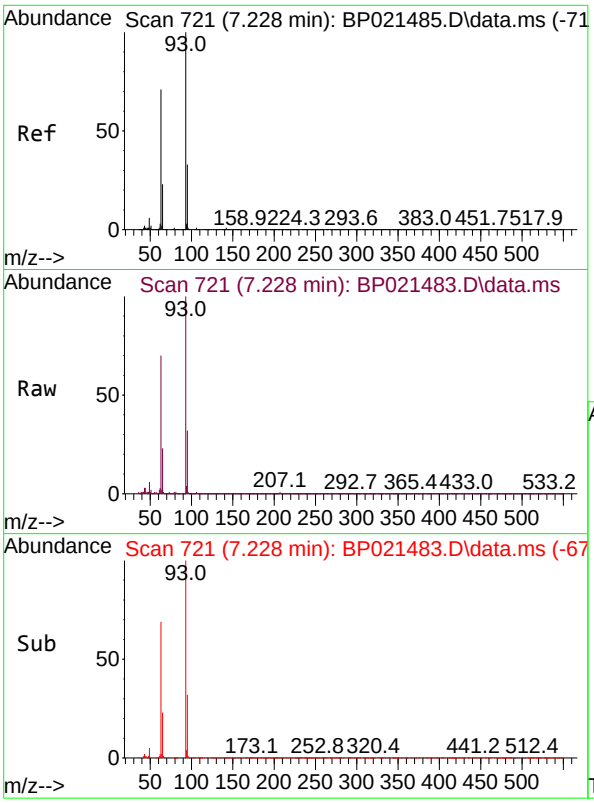


#10
Phenol
Concen: 9.945 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 94 Resp: 389958

Ion	Ratio	Lower	Upper
94	100		
65	25.9	6.5	46.5
66	35.2	14.7	54.7

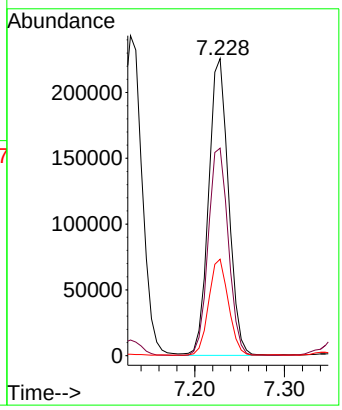




#11
bis(2-Chloroethyl)ether
Concen: 10.456 ng
RT: 7.228 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 93 Resp: 34694

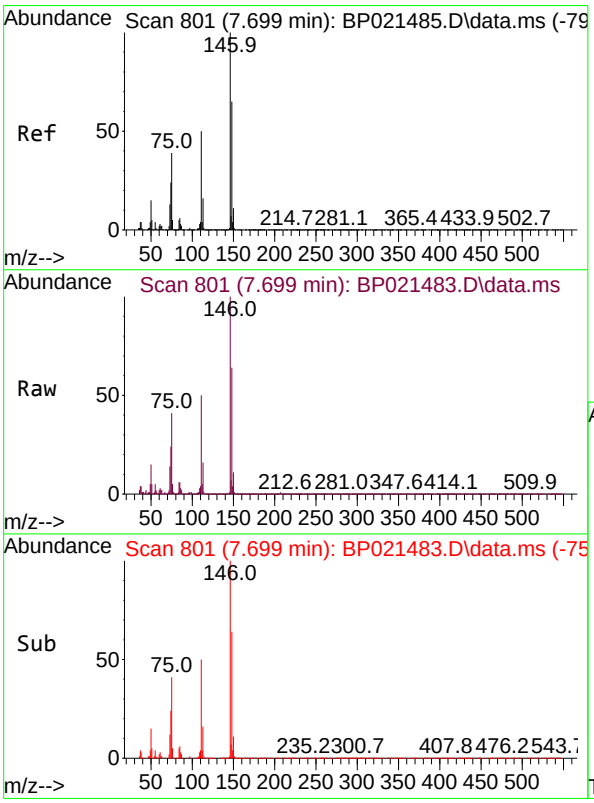
Ion	Ratio	Lower	Upper
93	100		
63	69.9	51.0	91.0
95	32.5	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

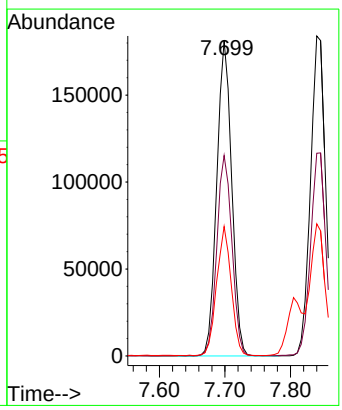
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

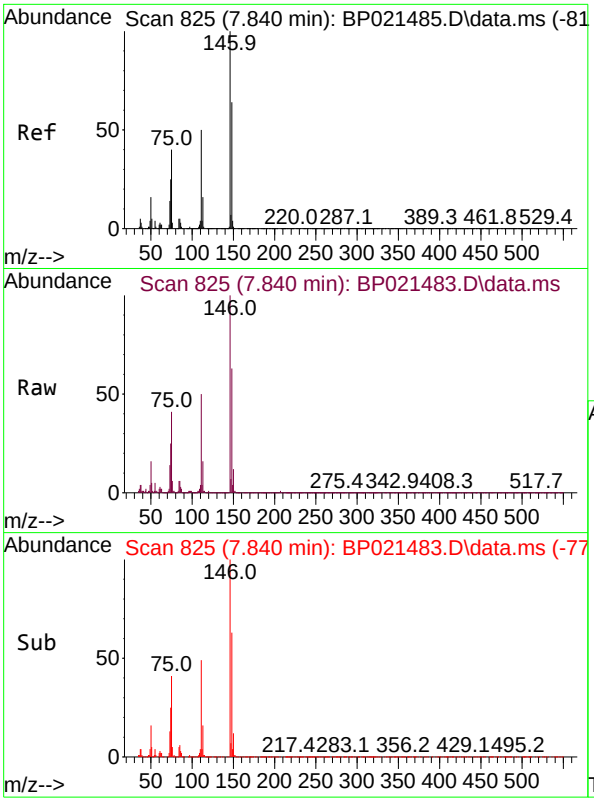


#12
1,3-Dichlorobenzene
Concen: 10.006 ng
RT: 7.699 min Scan# 801
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:146 Resp: 285122

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.8	77.6
75	41.0	31.3	46.9

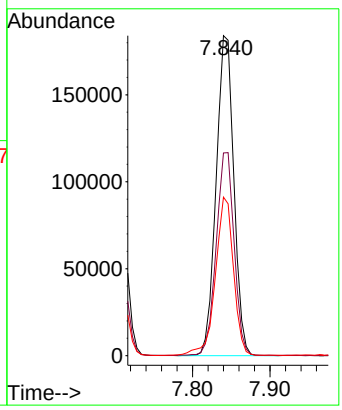




#13
1,4-Dichlorobenzene
Concen: 10.140 ng
RT: 7.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:146 Resp: 29175

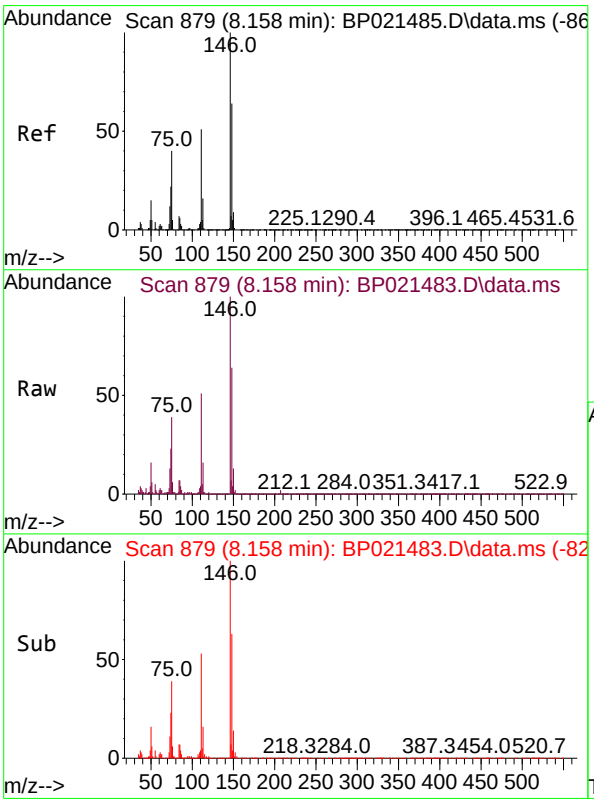
Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.5	77.3
111	49.6	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

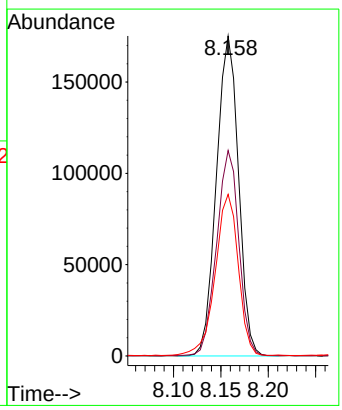
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

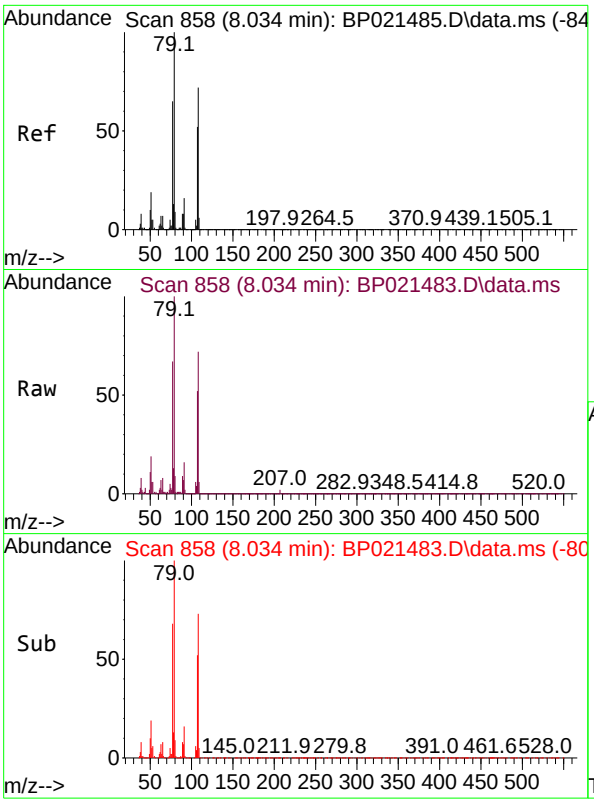


#14
1,2-Dichlorobenzene
Concen: 10.251 ng
RT: 8.158 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:146 Resp: 284225

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.5	77.3
111	50.5	41.1	61.7





#15
Benzyl Alcohol
Concen: 10.315 ng
RT: 8.034 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

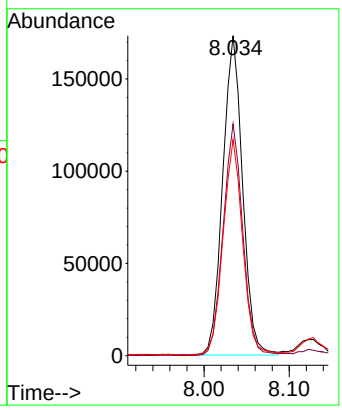
Tgt Ion: 79 Resp: 28025

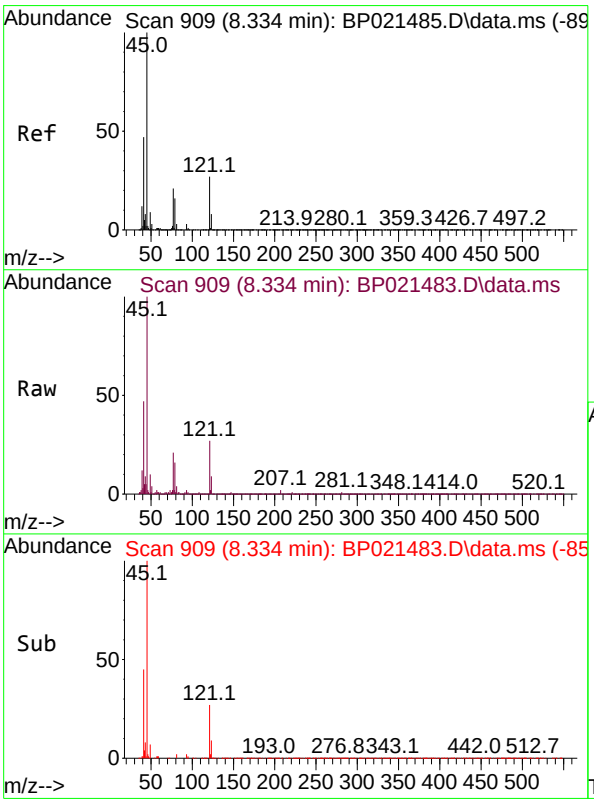
Ion	Ratio	Lower	Upper
79	100		
108	72.4	57.9	86.9
77	67.5	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

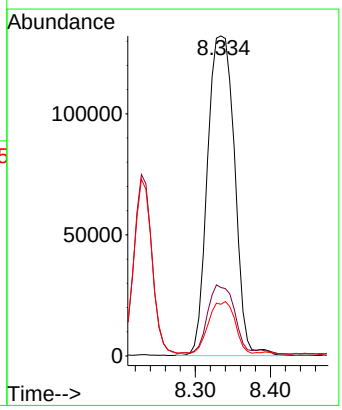


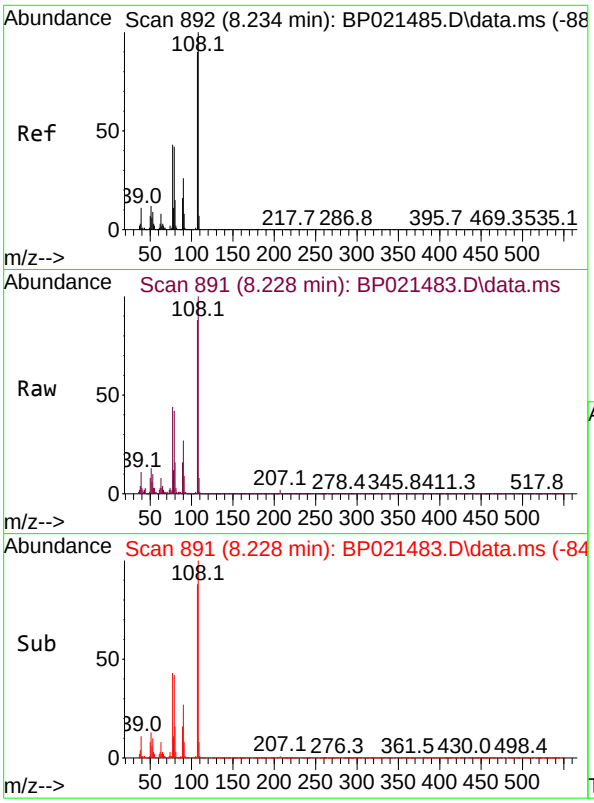


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.822 ng m
RT: 8.334 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 45 Resp: 330688

Ion	Ratio	Lower	Upper
45	100		
77	21.4	1.9	41.9
79	16.1	0.0	36.6

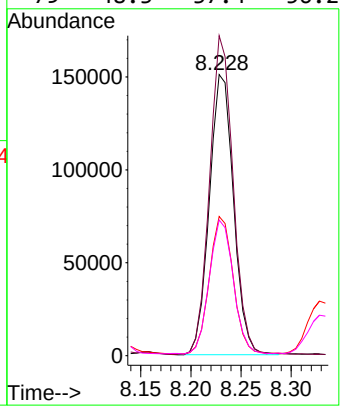




#17
2-Methylphenol
Concen: 10.205 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:107 Resp: 25297

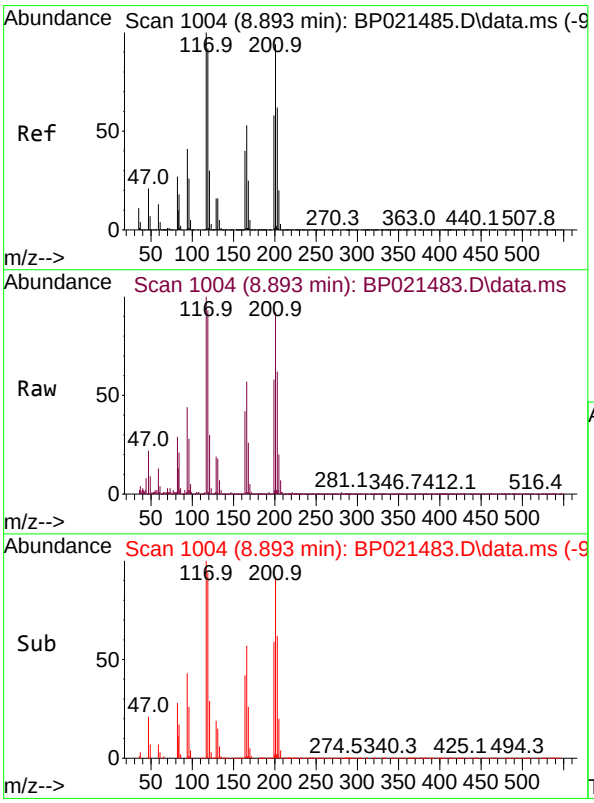
Ion	Ratio	Lower	Upper
107	100		
108	113.8	88.8	133.2
77	49.5	38.7	58.1
79	48.3	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

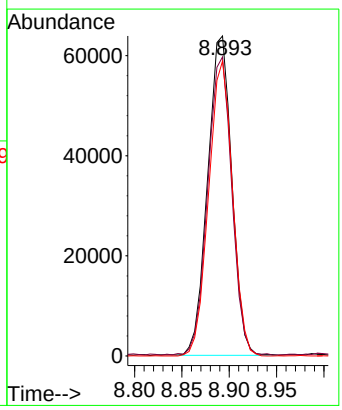
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

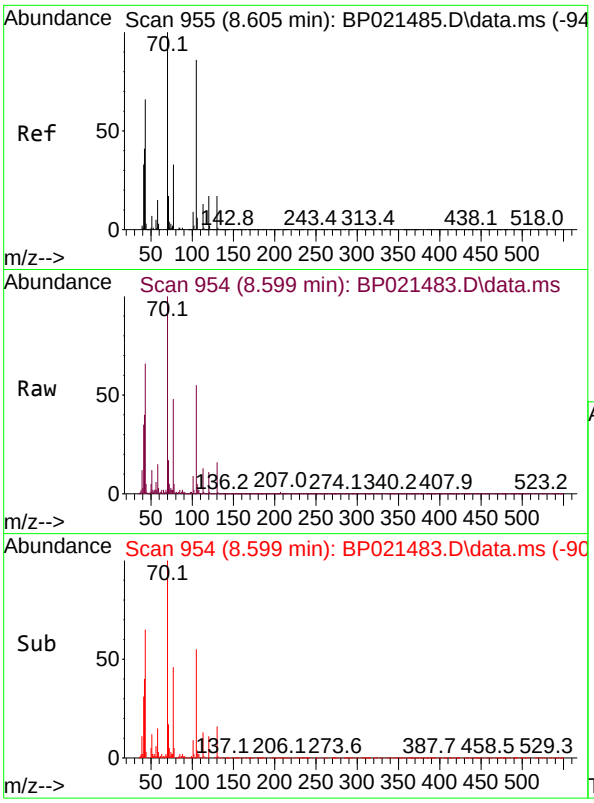


#18
Hexachloroethane
Concen: 9.855 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:117 Resp: 113709

Ion	Ratio	Lower	Upper
117	100		
119	93.5	73.9	110.9
201	92.1	74.9	112.3

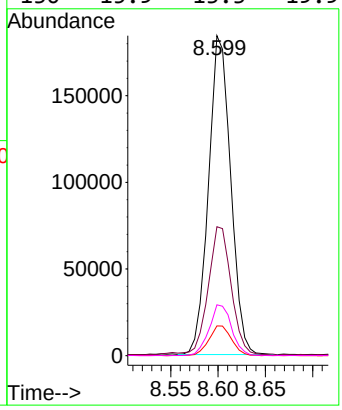




#19
n-Nitroso-di-n-propylamine
Concen: 11.459 ng
RT: 8.599 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 70 Resp: 29973

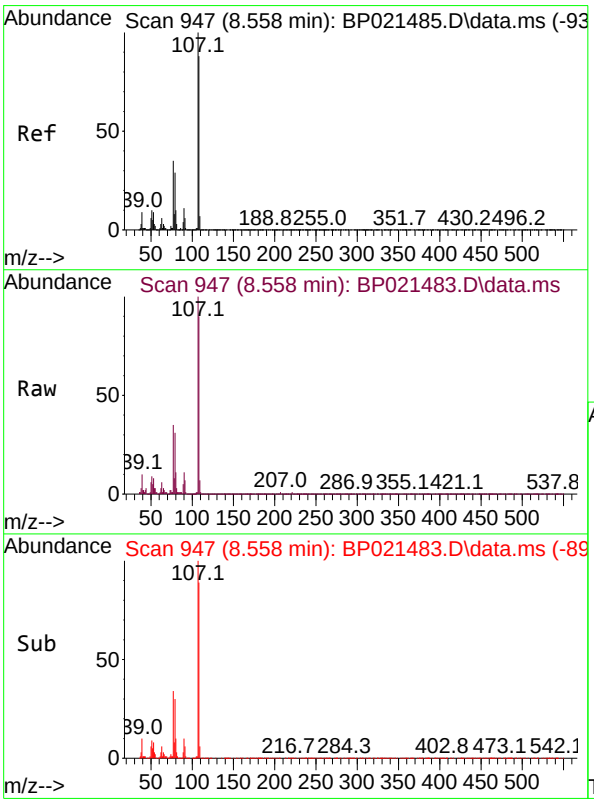
Ion	Ratio	Lower	Upper
70	100		
42	40.3	33.1	49.7
101	9.3	7.4	11.2
130	15.9	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

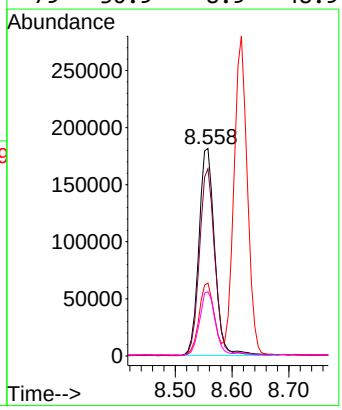
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

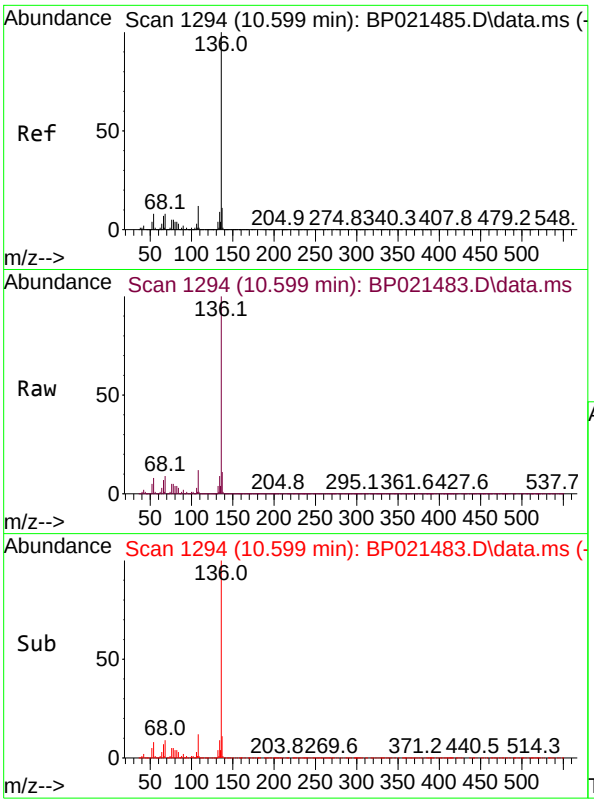


#20
3+4-Methylphenols
Concen: 10.496 ng
RT: 8.558 min Scan# 947
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:107 Resp: 350826

Ion	Ratio	Lower	Upper
107	100		
108	90.2	67.6	107.6
77	35.1	15.0	55.0
79	30.9	8.9	48.9

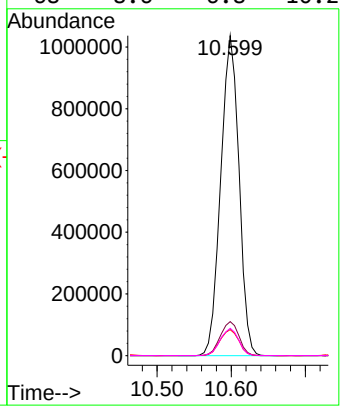




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:136 Resp: 177228

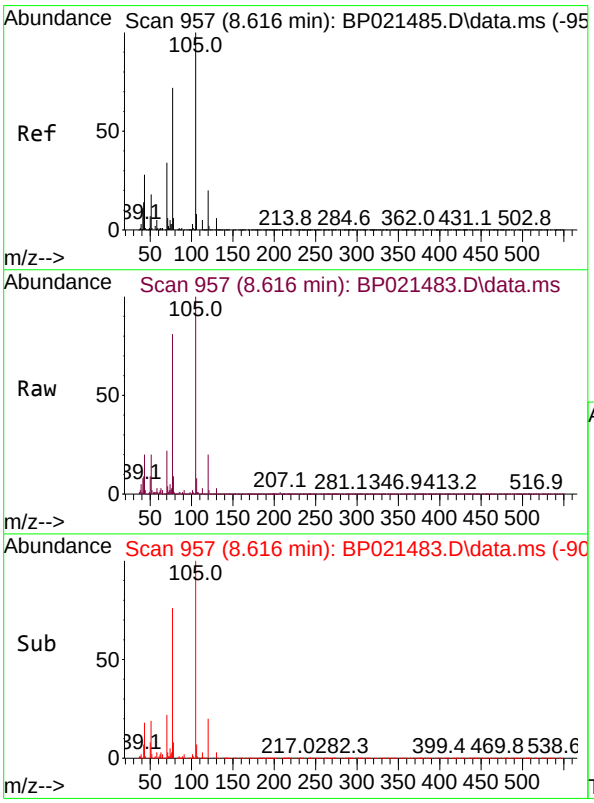
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.2	6.3	9.5
68	8.6	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

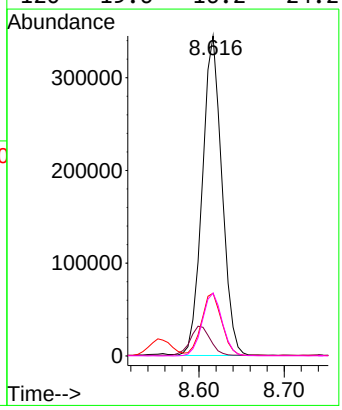
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

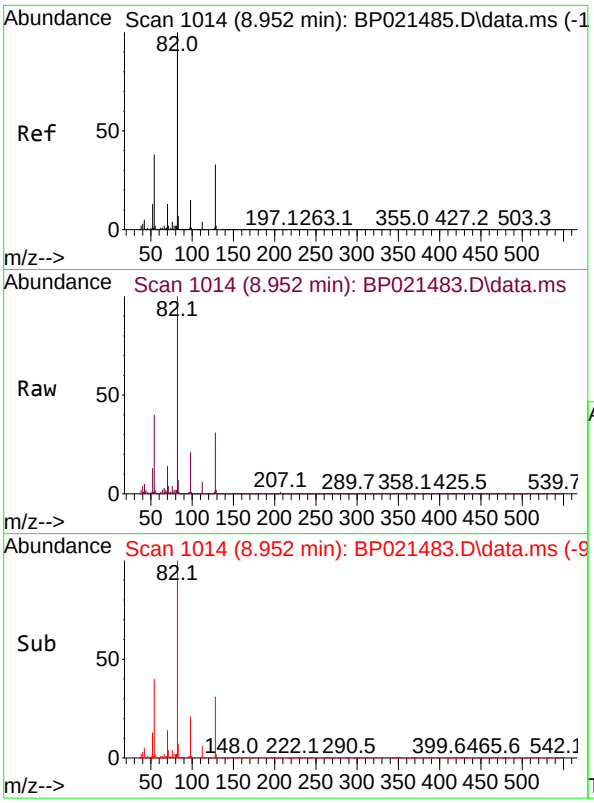


#22
Acetophenone
Concen: 10.104 ng
RT: 8.616 min Scan# 957
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:105 Resp: 550125

Ion	Ratio	Lower	Upper
105	100		
71	3.7	4.6	7.0#
51	19.6	16.3	24.5
120	19.6	16.2	24.2

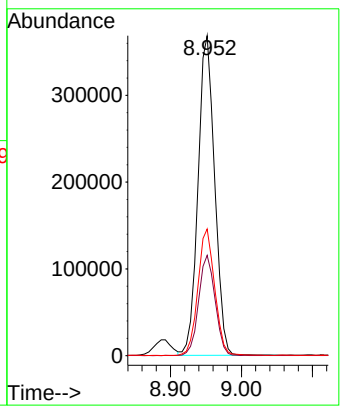




#23
Nitrobenzene-d5
Concen: 17.479 ng
RT: 8.952 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 82 Resp: 60015

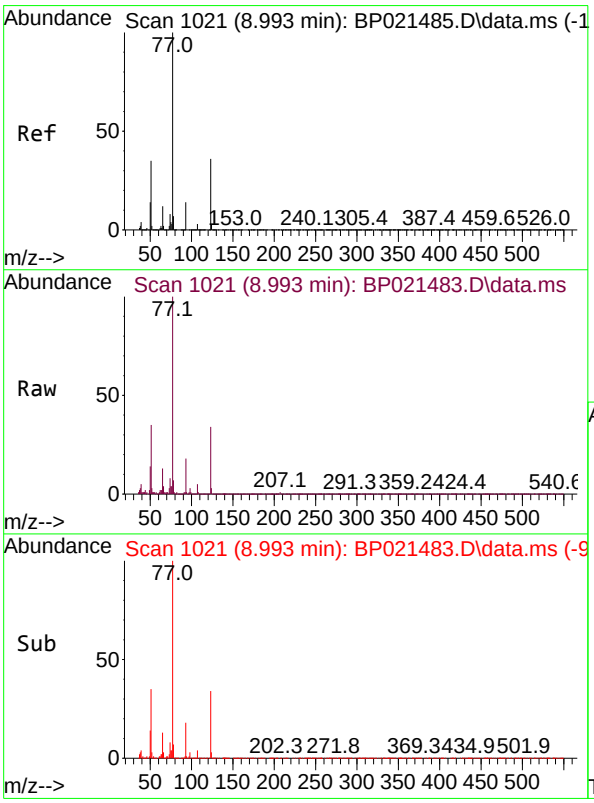
Ion	Ratio	Lower	Upper
82	100		
128	31.4	26.5	39.7
54	39.6	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

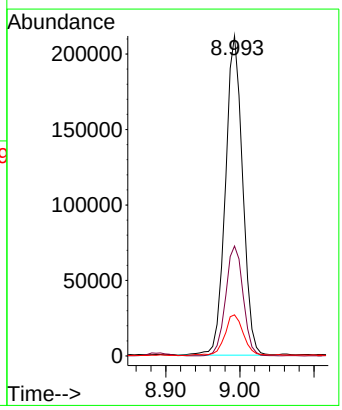
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

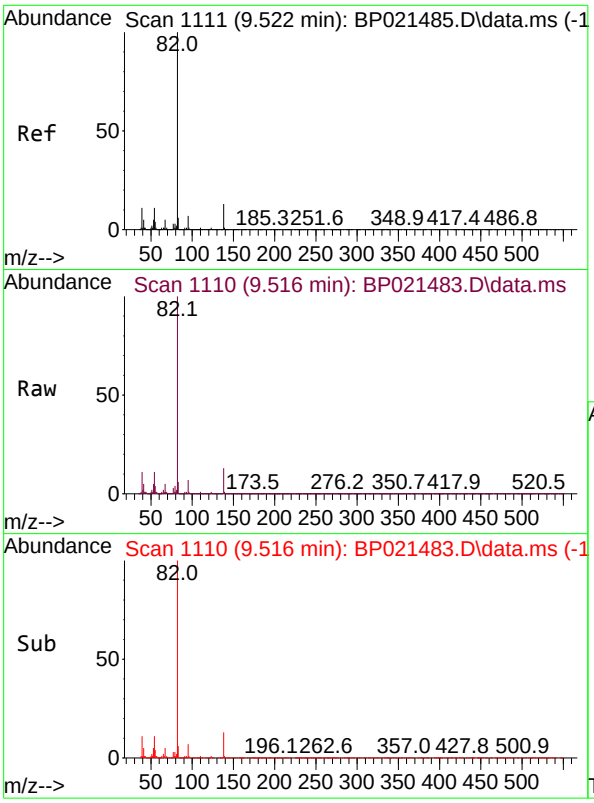


#24
Nitrobenzene
Concen: 9.156 ng
RT: 8.993 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 77 Resp: 341460

Ion	Ratio	Lower	Upper
77	100		
123	34.3	29.5	44.3
65	12.9	9.9	14.9

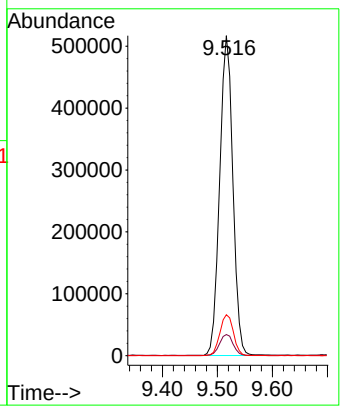




#25
Isophorone
Concen: 10.593 ng
RT: 9.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 82 Resp: 85929

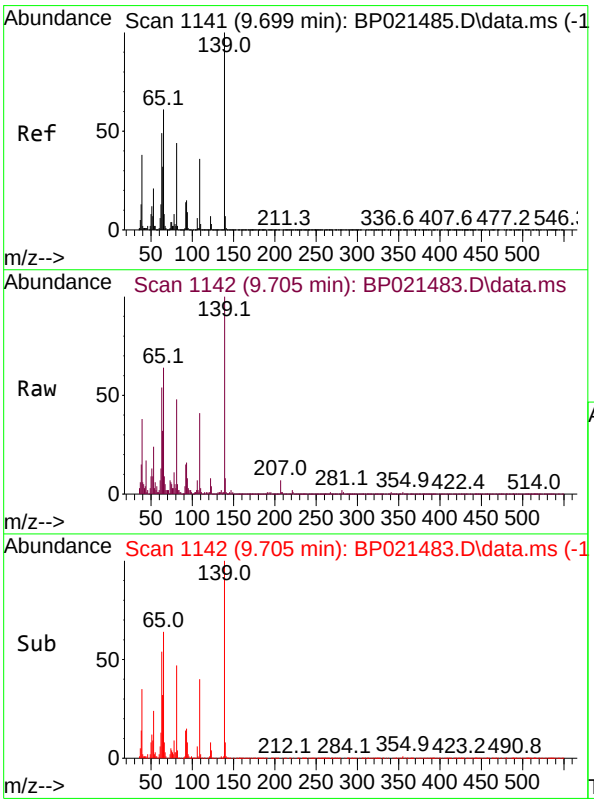
Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	12.8	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

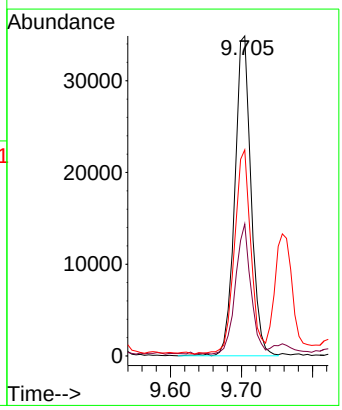
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

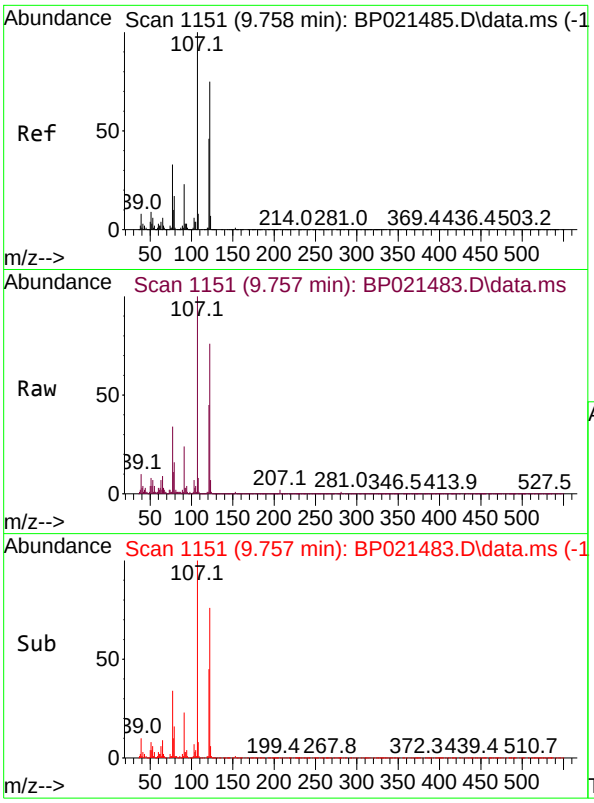


#26
2-Nitrophenol
Concen: 10.066 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:139 Resp: 55468

Ion	Ratio	Lower	Upper
139	100		
109	41.2	28.9	43.3
65	64.4	49.0	73.6





#27
2,4-Dimethylphenol
Concen: 9.962 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

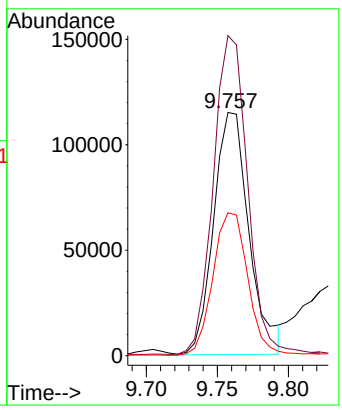
Tgt Ion:122 Resp: 19943

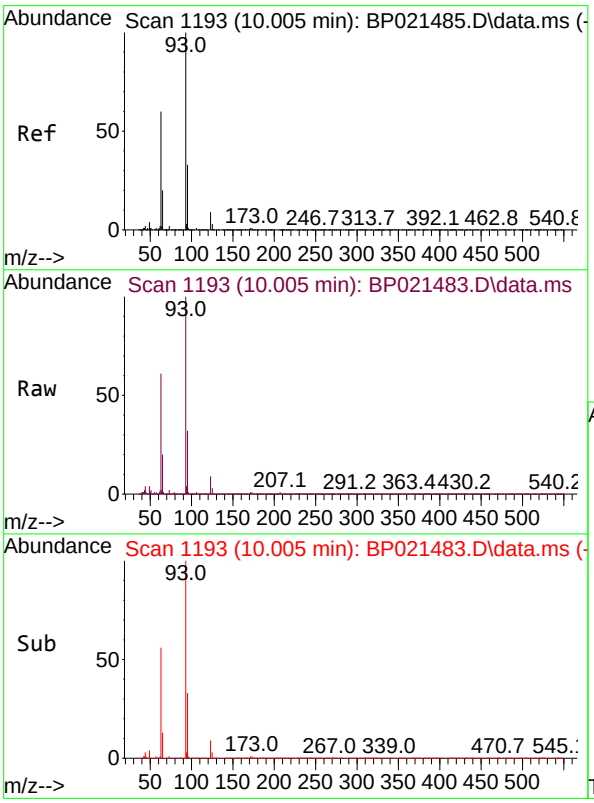
Ion	Ratio	Lower	Upper
122	100		
107	131.6	106.2	159.4
121	58.8	48.8	73.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

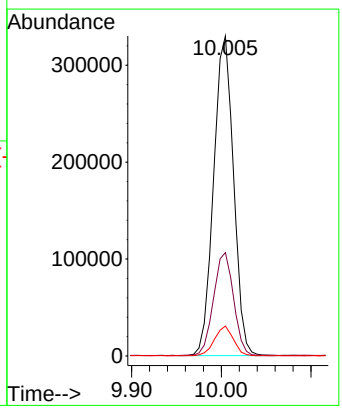


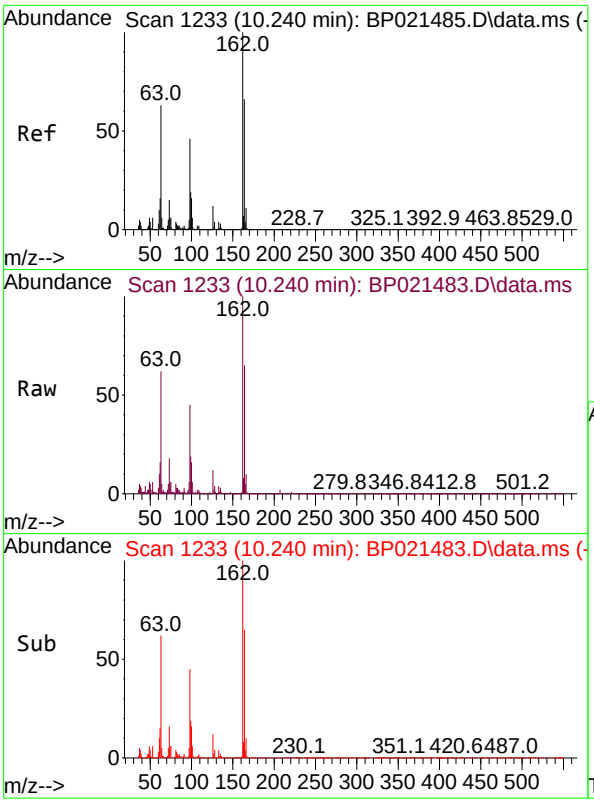


#28
bis(2-Chloroethoxy)methane
Concen: 10.270 ng
RT: 10.005 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 93 Resp: 508512

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.4
123	9.4	7.6	11.4

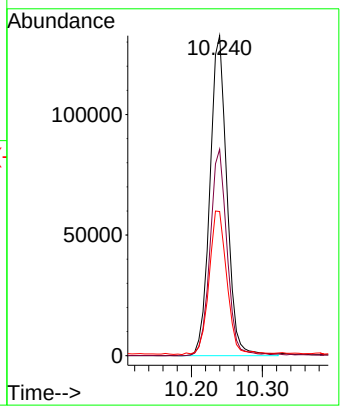




#29
2,4-Dichlorophenol
Concen: 9.322 ng
RT: 10.240 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:162 Resp: 22050

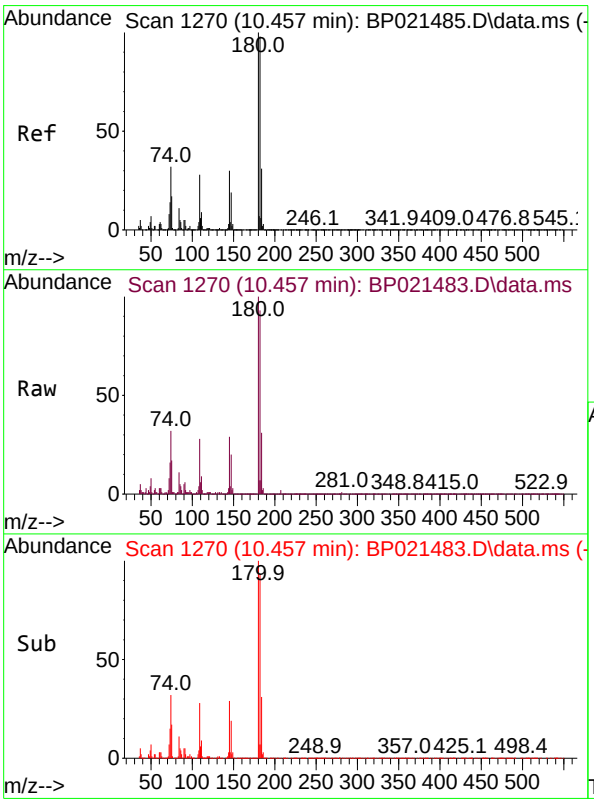
Ion	Ratio	Lower	Upper
162	100		
164	64.5	45.9	85.9
98	45.0	26.3	66.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

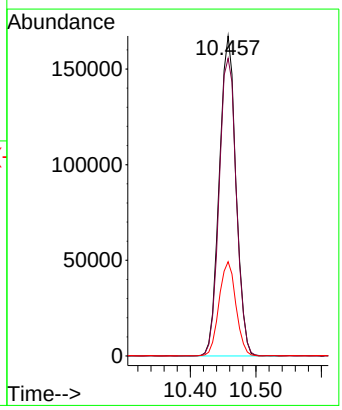
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

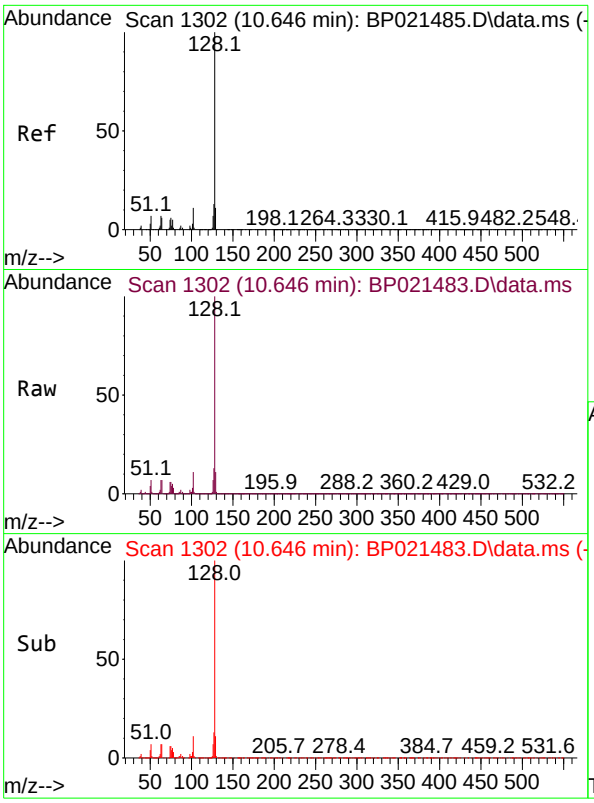


#30
1,2,4-Trichlorobenzene
Concen: 9.689 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:180 Resp: 293816

Ion	Ratio	Lower	Upper
180	100		
182	93.0	78.3	117.5
145	29.5	24.0	36.0

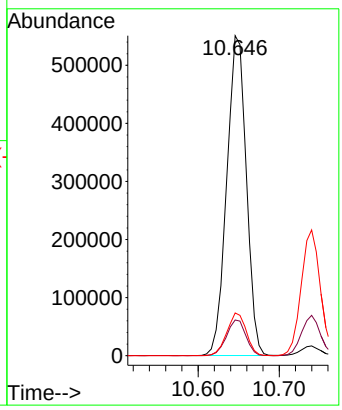




#31
Naphthalene
Concen: 9.962 ng
RT: 10.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:128 Resp: 92230

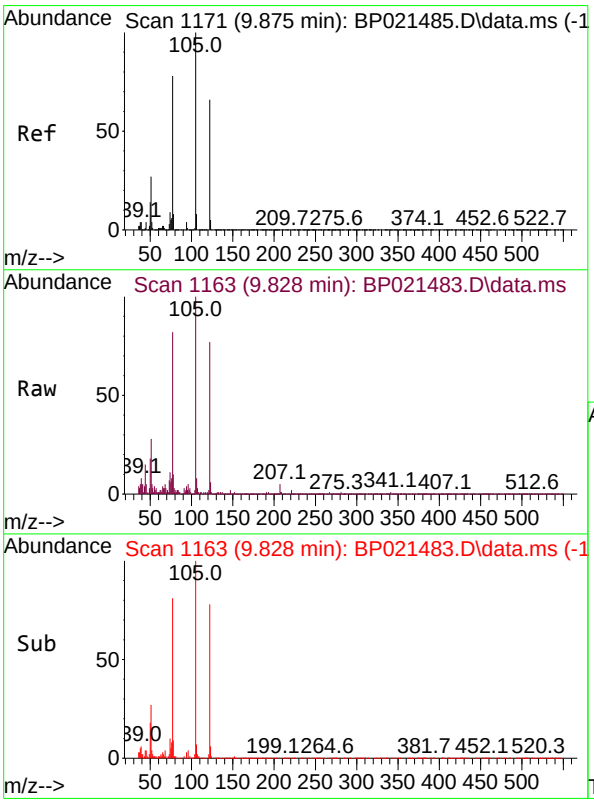
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	13.4	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

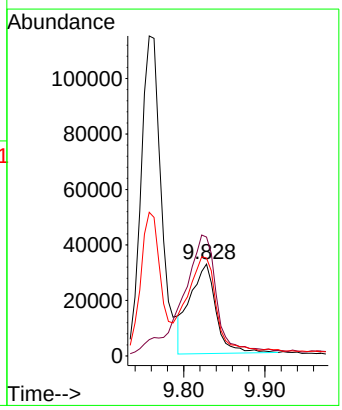
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

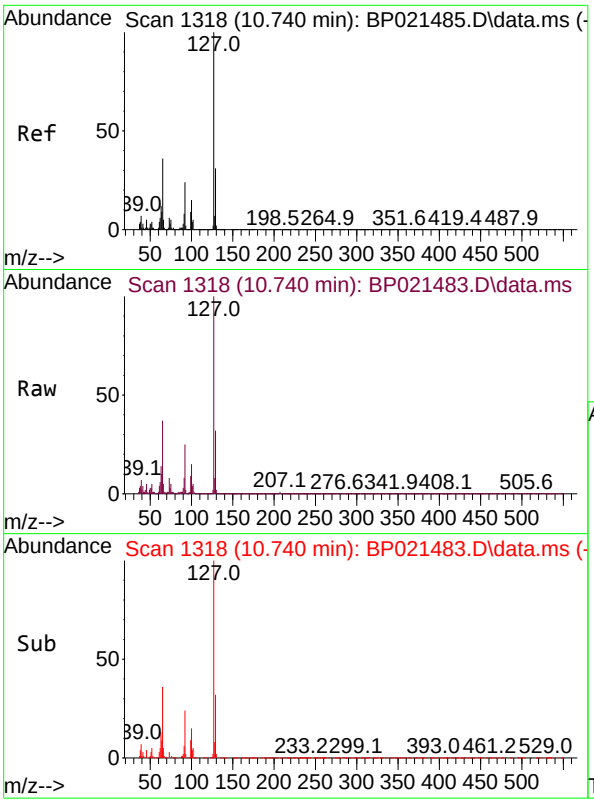


#32
Benzoic acid
Concen: 10.529 ng
RT: 9.828 min Scan# 1163
Delta R.T. -0.047 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:122 Resp: 72405

Ion	Ratio	Lower	Upper
122	100		
105	129.6	124.6	164.6
77	106.7	96.2	136.2

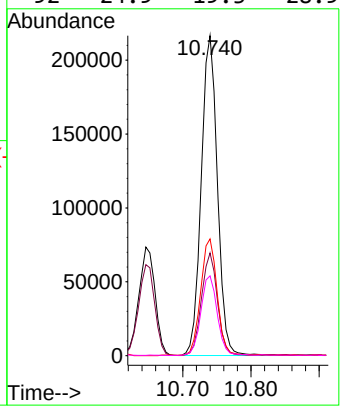




#33
4-Chloroaniline
Concen: 10.269 ng
RT: 10.740 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:127 Resp: 35712

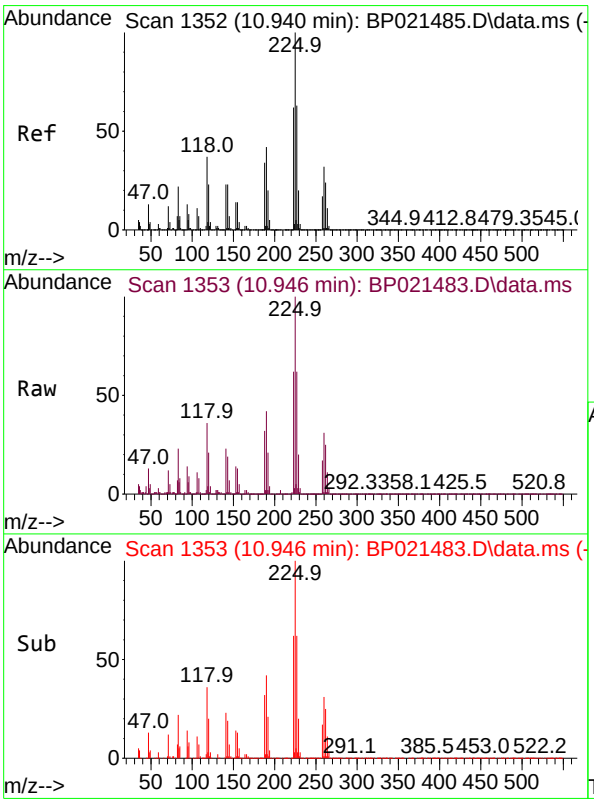
Ion	Ratio	Lower	Upper
127	100		
129	32.1	24.5	36.7
65	36.5	28.9	43.3
92	24.9	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

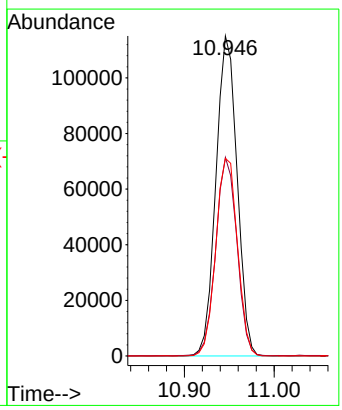
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

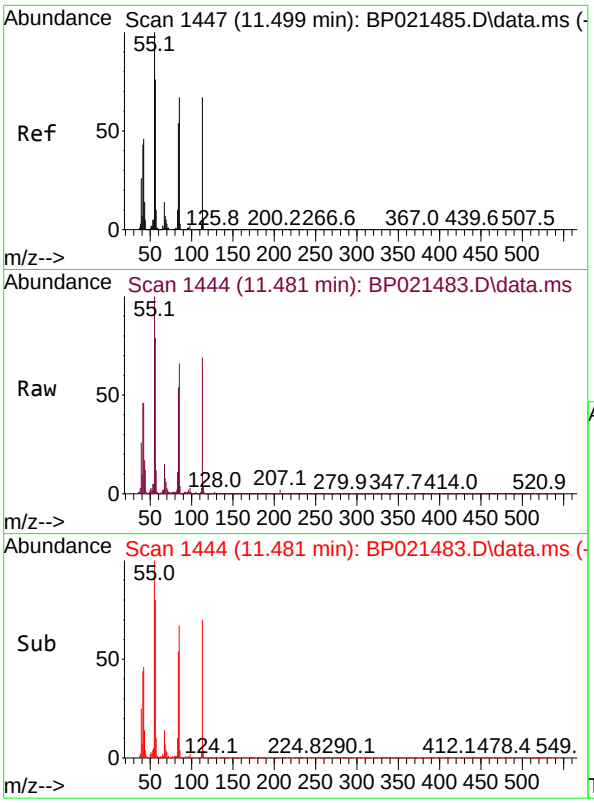


#34
Hexachlorobutadiene
Concen: 9.867 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:225 Resp: 188389

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.6	74.4
227	61.7	50.1	75.1

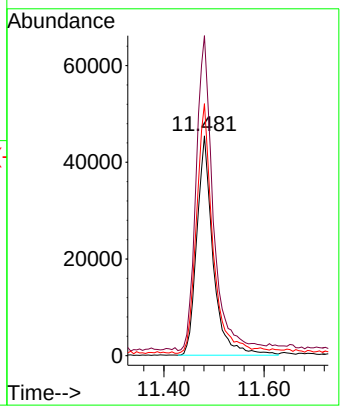




#35
Caprolactam
Concen: 10.344 ng
RT: 11.481 min Scan# 14
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:113 Resp: 10182

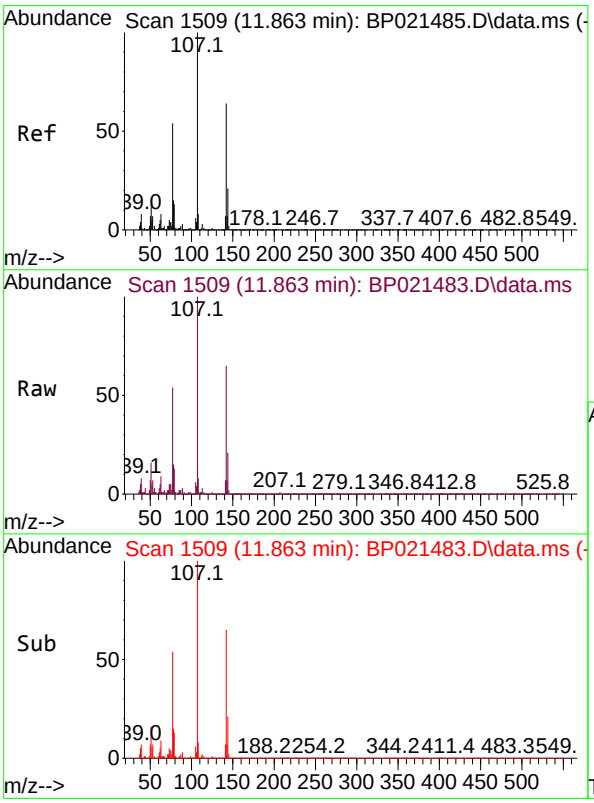
Ion	Ratio	Lower	Upper
113	100		
55	145.6	130.6	170.6
56	114.6	94.6	134.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

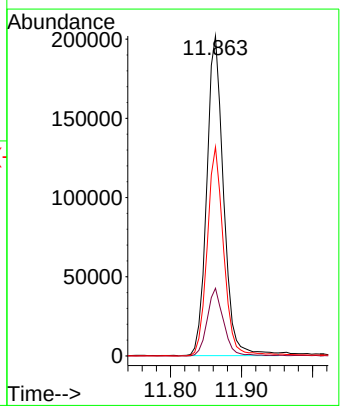
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

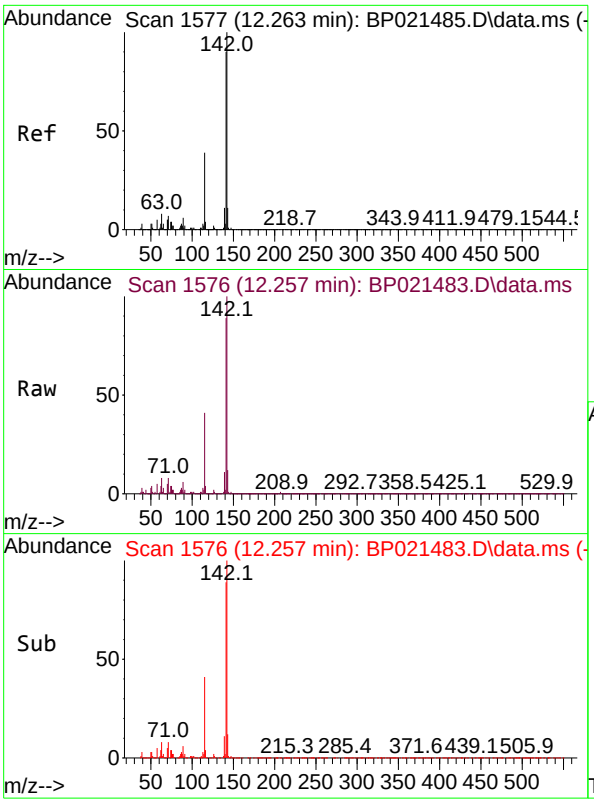


#36
4-Chloro-3-methylphenol
Concen: 10.122 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:107 Resp: 332115

Ion	Ratio	Lower	Upper
107	100		
144	21.2	16.6	24.8
142	65.3	51.0	76.4





#37
2-Methylnaphthalene
Concen: 10.407 ng
RT: 12.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

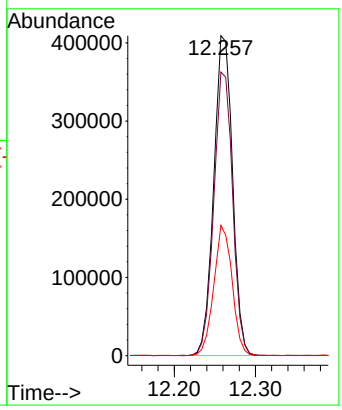
Tgt Ion:142 Resp: 65759

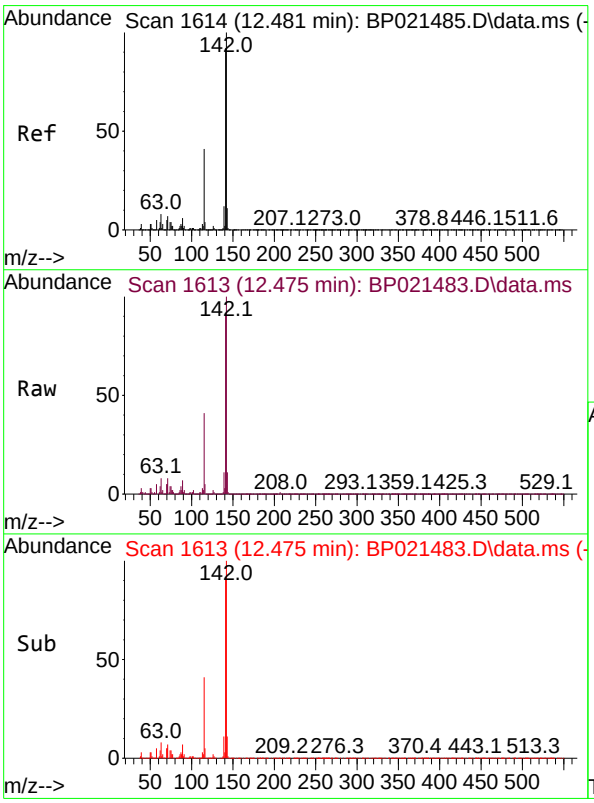
Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.7	107.5
115	40.7	31.4	47.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

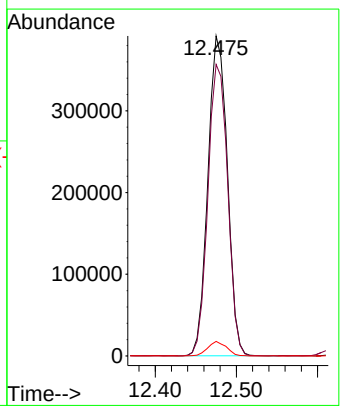


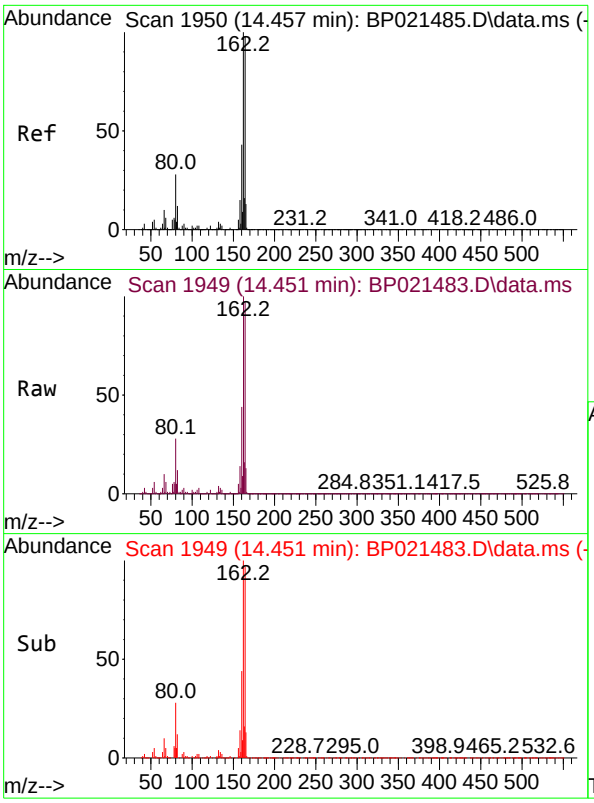


#38
1-Methylnaphthalene
Concen: 10.453 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:142 Resp: 651444

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.5	110.3
116	4.5	3.4	5.2

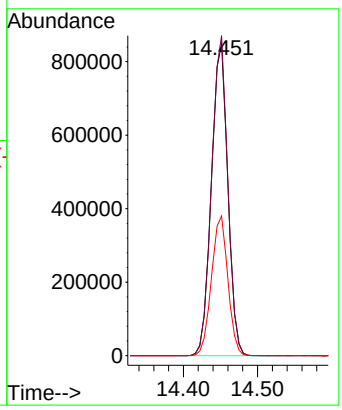




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:164 Resp: 130399

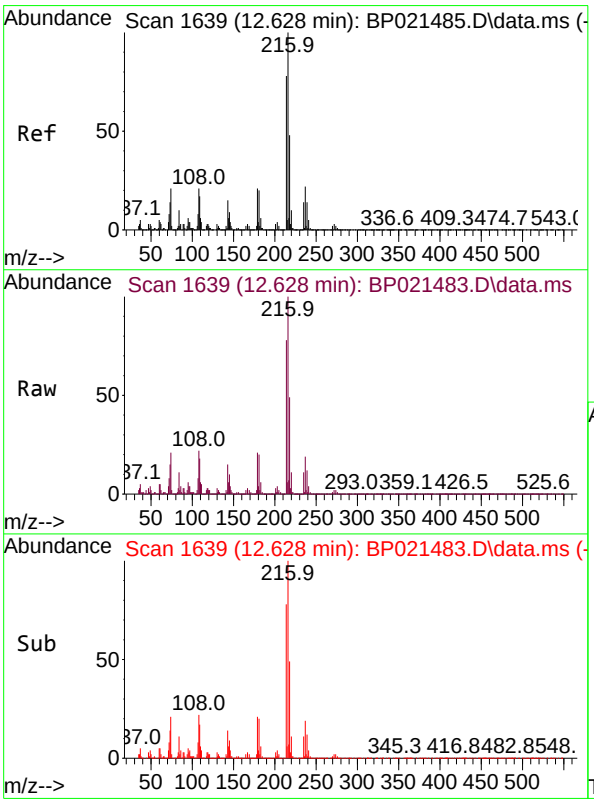
Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.5	122.3
160	44.8	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

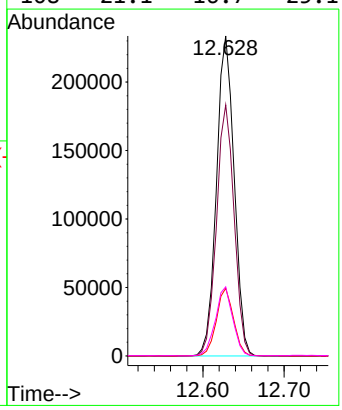
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

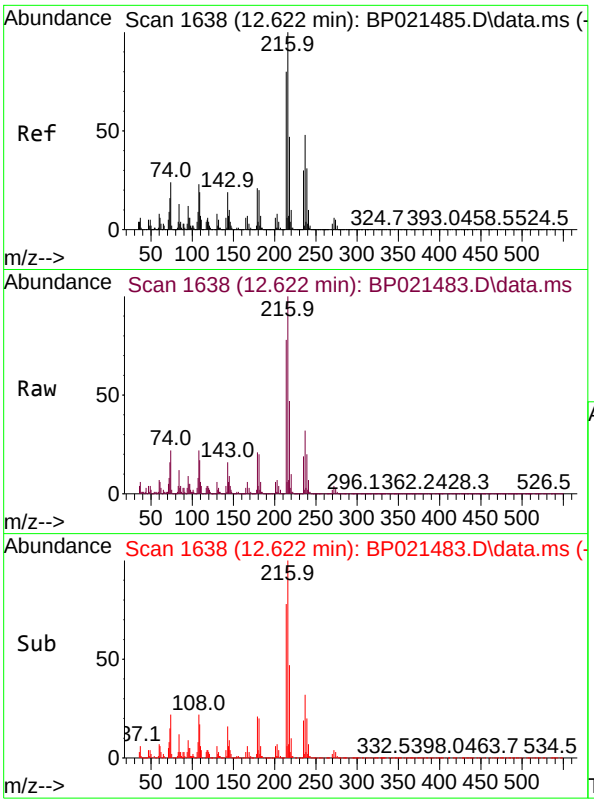


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.274 ng
RT: 12.628 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:216 Resp: 354329

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.5	93.7
179	20.4	16.4	24.6
108	21.1	16.7	25.1

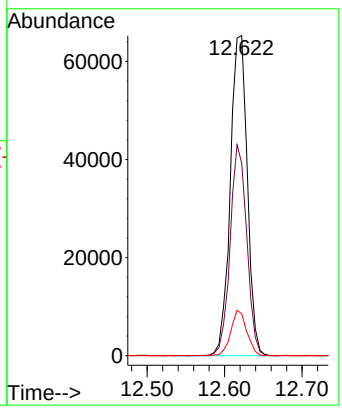




#41
Hexachlorocyclopentadiene
Concen: 8.236 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:237 Resp: 9973

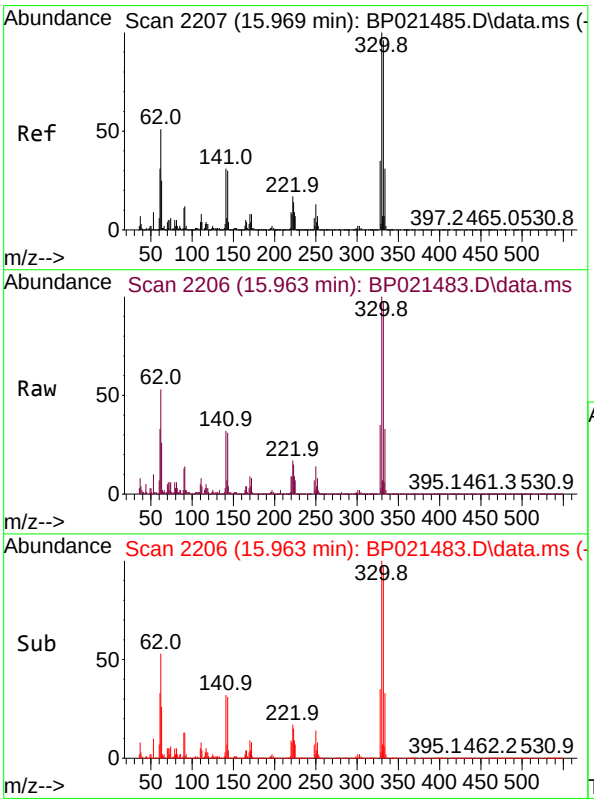
Ion	Ratio	Lower	Upper
237	100		
235	60.1	43.9	83.9
272	13.1	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

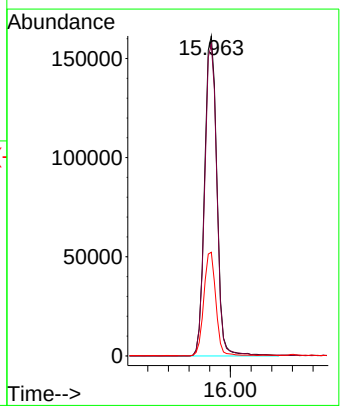
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

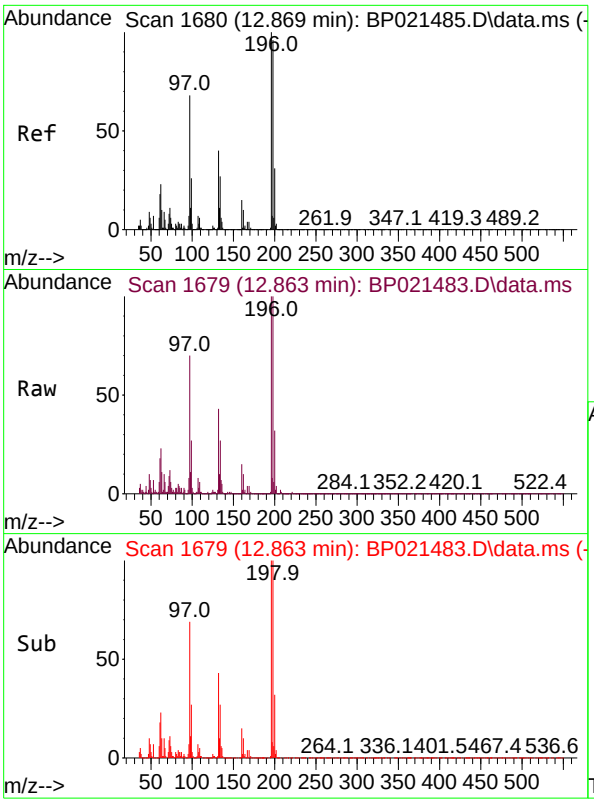


#42
2,4,6-Tribromophenol
Concen: 18.334 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:330 Resp: 266074

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.0
141	31.7	24.5	36.7

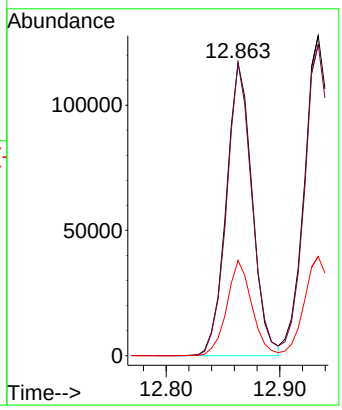




#43
2,4,6-Trichlorophenol
Concen: 8.718 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:196 Resp: 18503

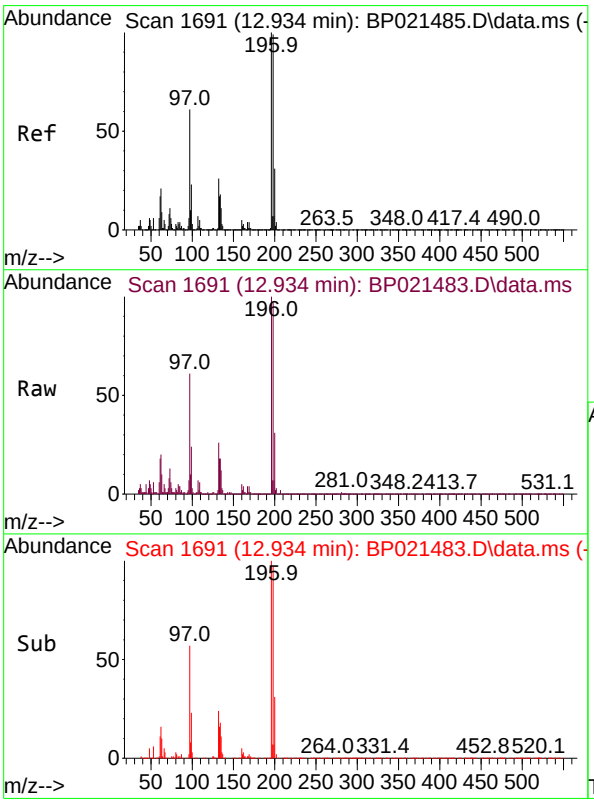
Ion	Ratio	Lower	Upper
196	100		
198	100.1	76.6	114.8
200	32.5	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

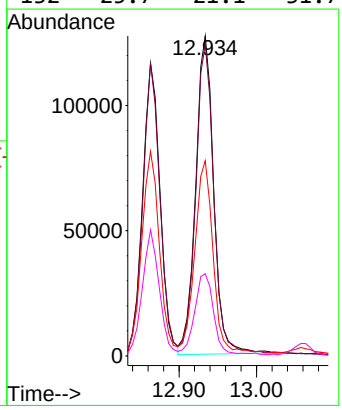
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

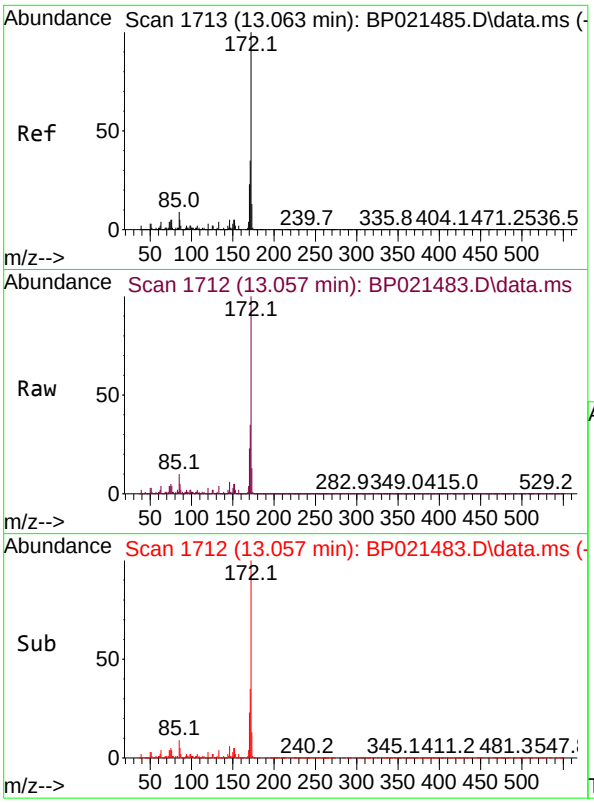


#44
2,4,5-Trichlorophenol
Concen: 8.741 ng
RT: 12.934 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:196 Resp: 206114

Ion	Ratio	Lower	Upper
196	100		
198	97.3	78.9	118.3
97	61.0	49.4	74.0
132	25.7	21.1	31.7

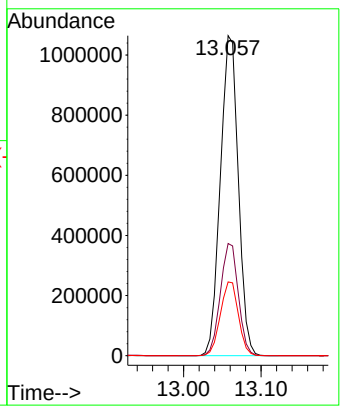




#45
2-Fluorobiphenyl
Concen: 20.051 ng
RT: 13.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:172 Resp: 171323

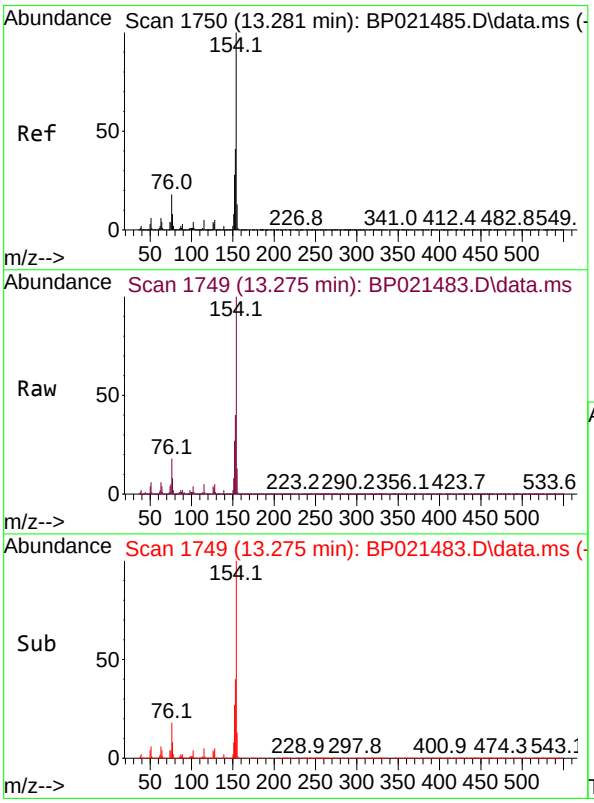
Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.4
170	23.1	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

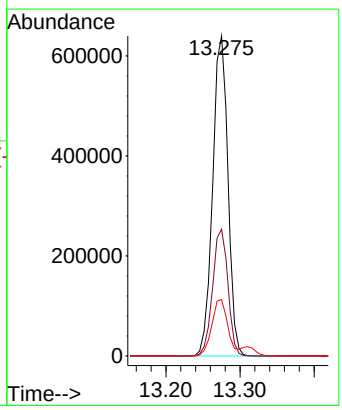
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

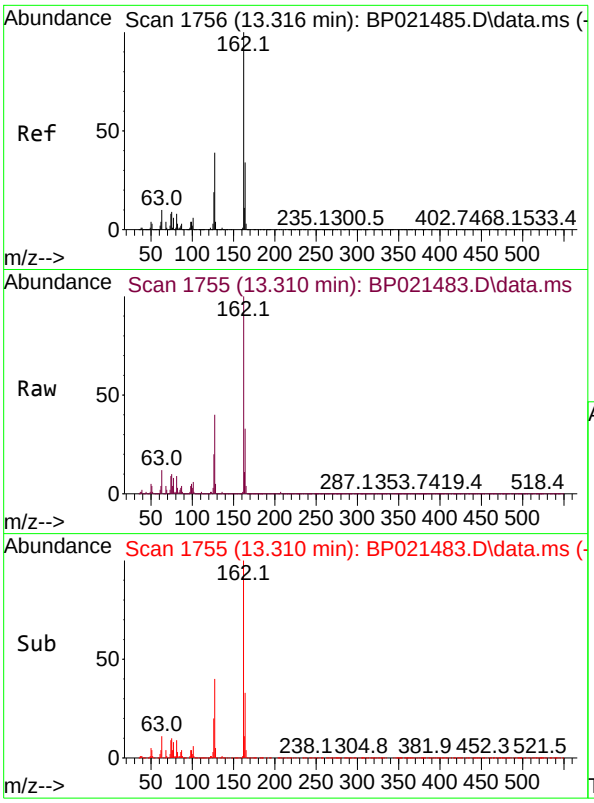


#46
1,1'-Biphenyl
Concen: 9.894 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:154 Resp: 912835

Ion	Ratio	Lower	Upper
154	100		
153	39.6	20.7	60.7
76	17.6	0.0	37.7

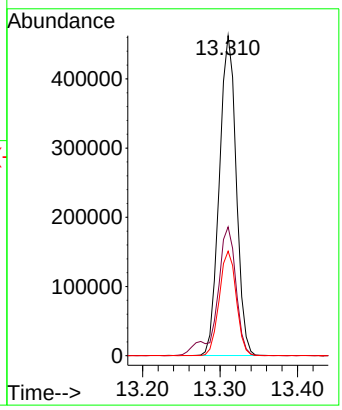




#47
2-Chloronaphthalene
Concen: 9.759 ng
RT: 13.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:162 Resp: 70095

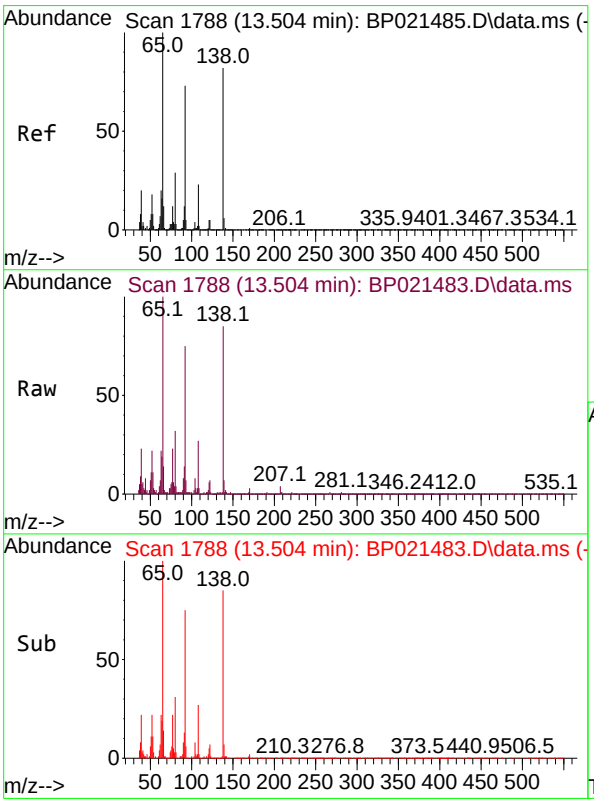
Ion	Ratio	Lower	Upper
162	100		
127	40.2	31.9	47.9
164	32.6	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

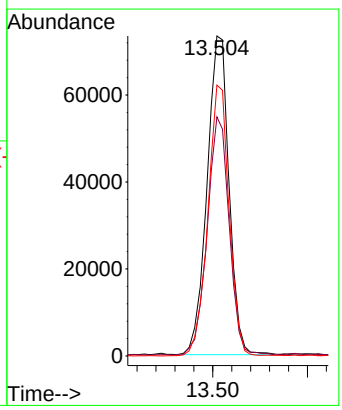
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

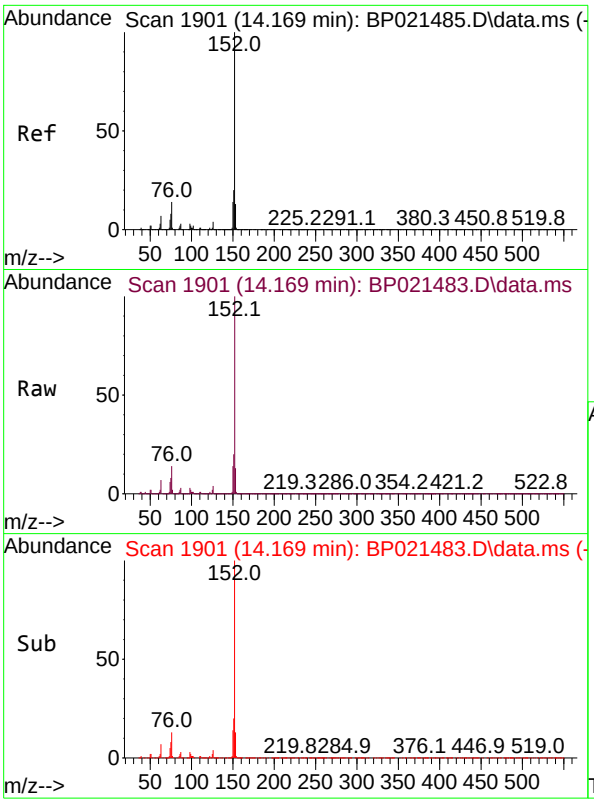


#48
2-Nitroaniline
Concen: 10.374 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 65 Resp: 117865

Ion	Ratio	Lower	Upper
65	100		
92	74.7	58.1	87.1
138	84.7	65.5	98.3





#49
Acenaphthylene
Concen: 9.941 ng
RT: 14.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

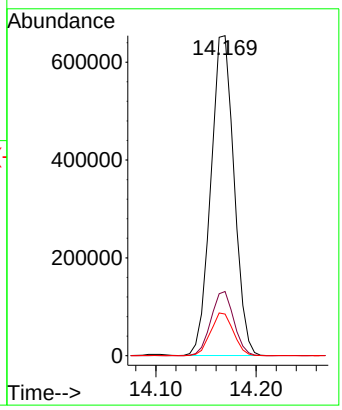
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

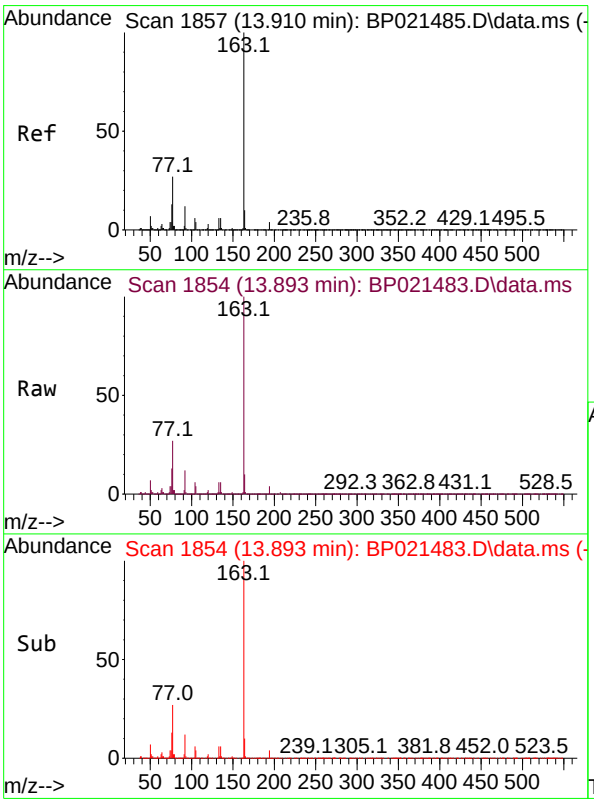
Tgt Ion:152 Resp: 104961

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.0	10.6	16.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

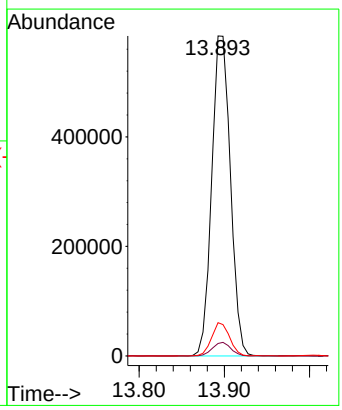


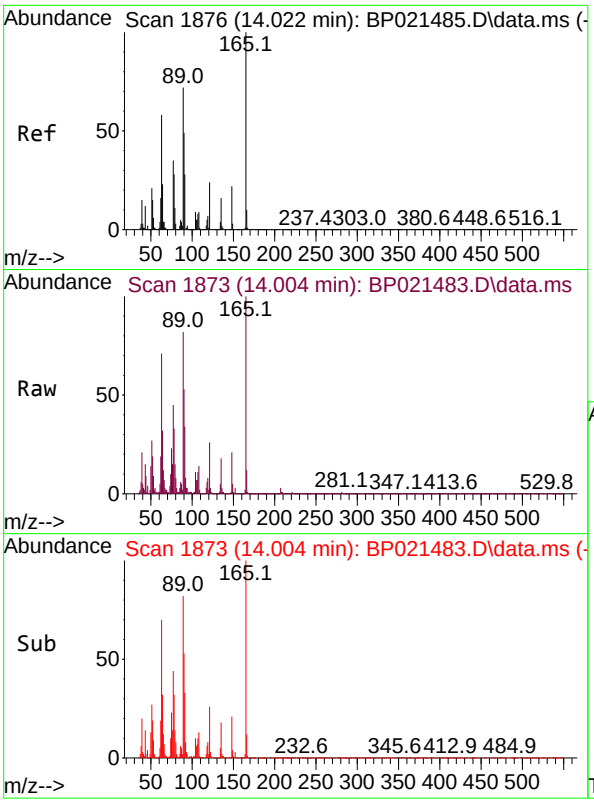


#50
Dimethylphthalate
Concen: 10.190 ng
RT: 13.893 min Scan# 1854
Delta R.T. -0.017 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:163 Resp: 889818

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.4	8.3	12.5

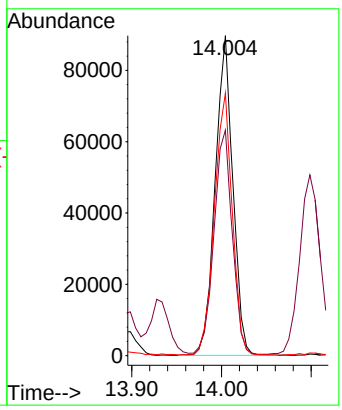




#51
2,6-Dinitrotoluene
Concen: 10.348 ng
RT: 14.004 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:165 Resp: 12223

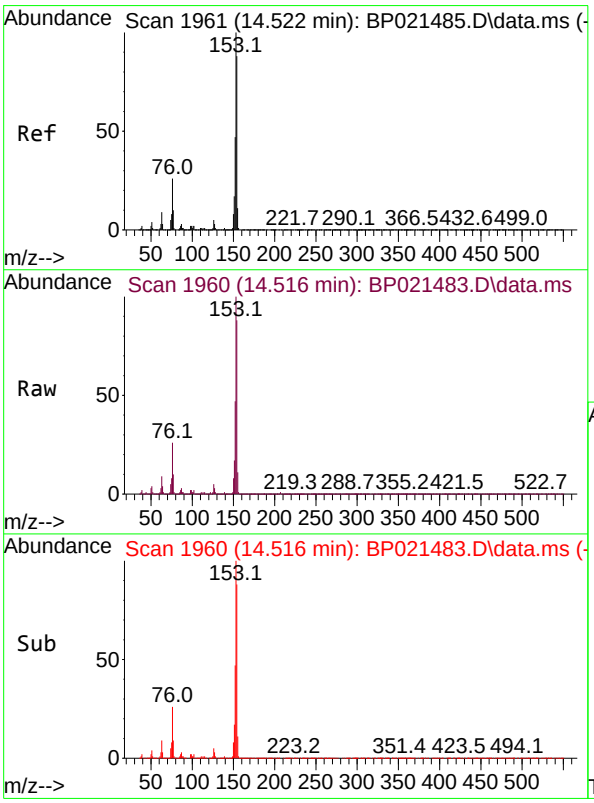
Ion	Ratio	Lower	Upper
165	100		
63	70.5	51.5	77.3
89	82.1	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

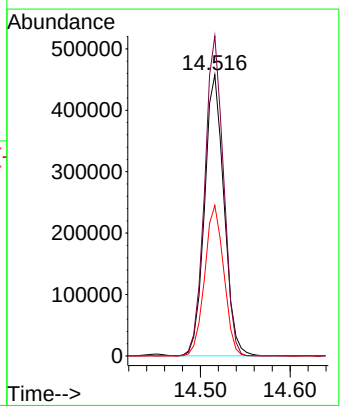
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

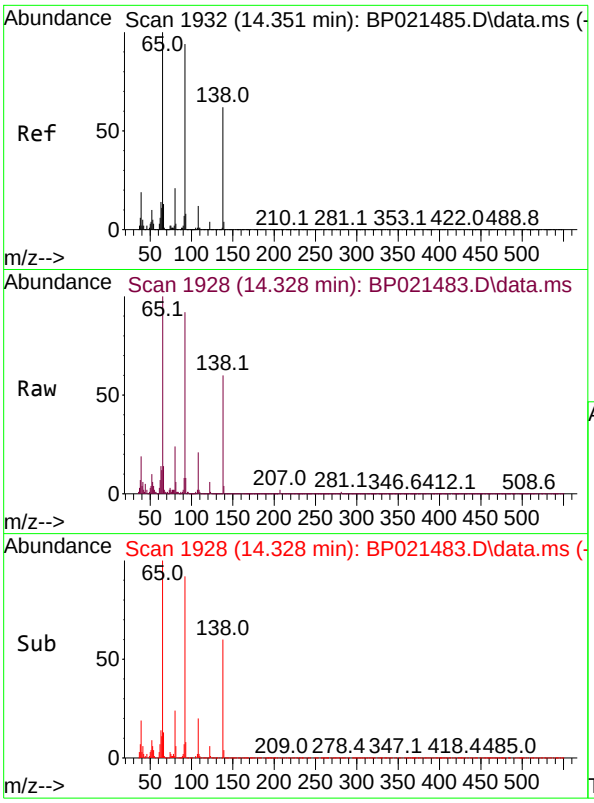


#52
Acenaphthene
Concen: 9.961 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:154 Resp: 690129

Ion	Ratio	Lower	Upper
154	100		
153	113.8	91.1	136.7
152	53.5	43.0	64.4

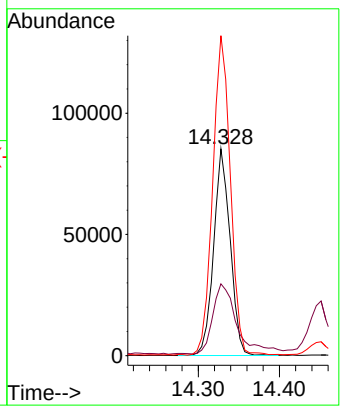




#53
3-Nitroaniline
Concen: 10.365 ng
RT: 14.328 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:138 Resp: 12075

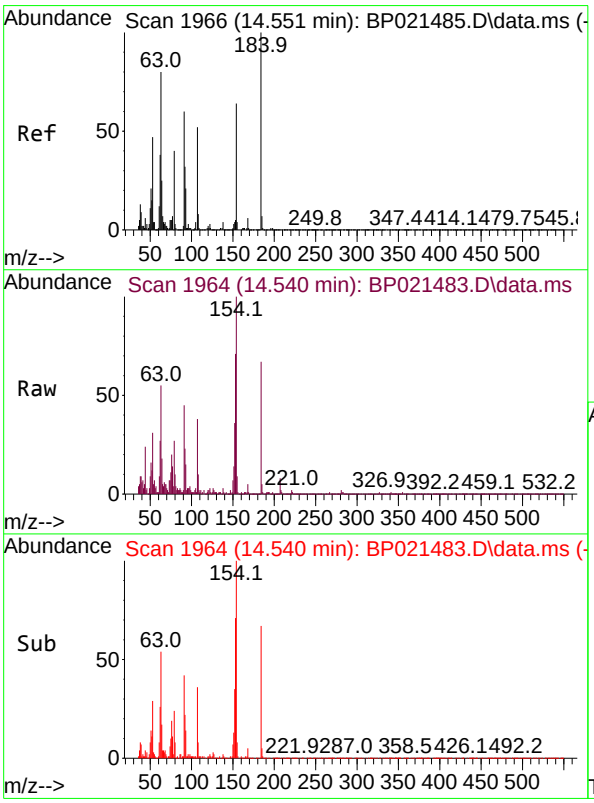
Ion	Ratio	Lower	Upper
138	100		
108	34.8	16.2	24.4#
92	154.7	122.2	183.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

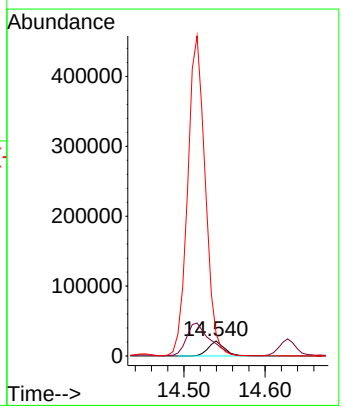
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

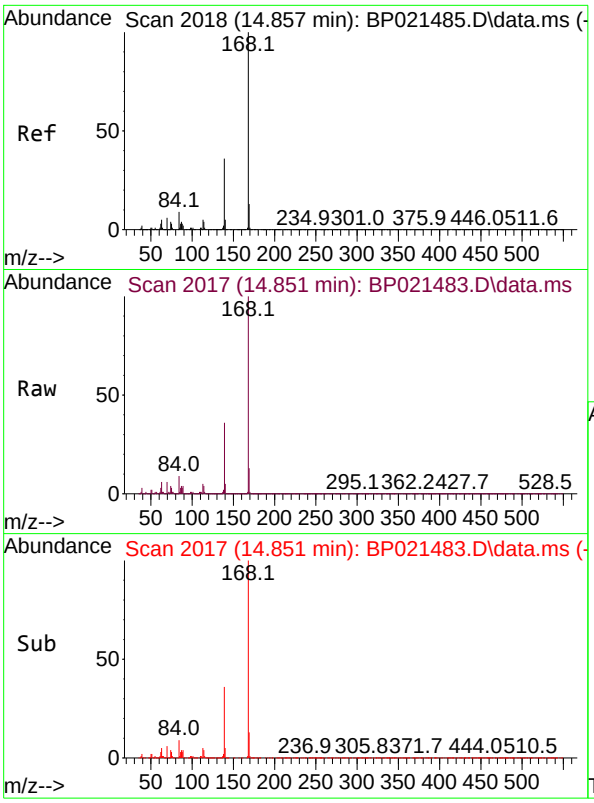


#54
2,4-Dinitrophenol
Concen: 10.721 ng
RT: 14.540 min Scan# 1964
Delta R.T. -0.011 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:184 Resp: 29452

Ion	Ratio	Lower	Upper
184	100		
63	81.7	64.9	97.3
154	149.0	52.1	78.1#

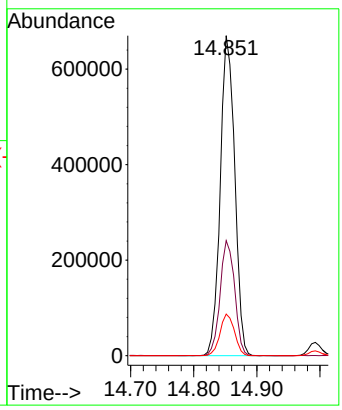




#55
Dibenzofuran
Concen: 10.016 ng
RT: 14.851 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:168 Resp: 106743

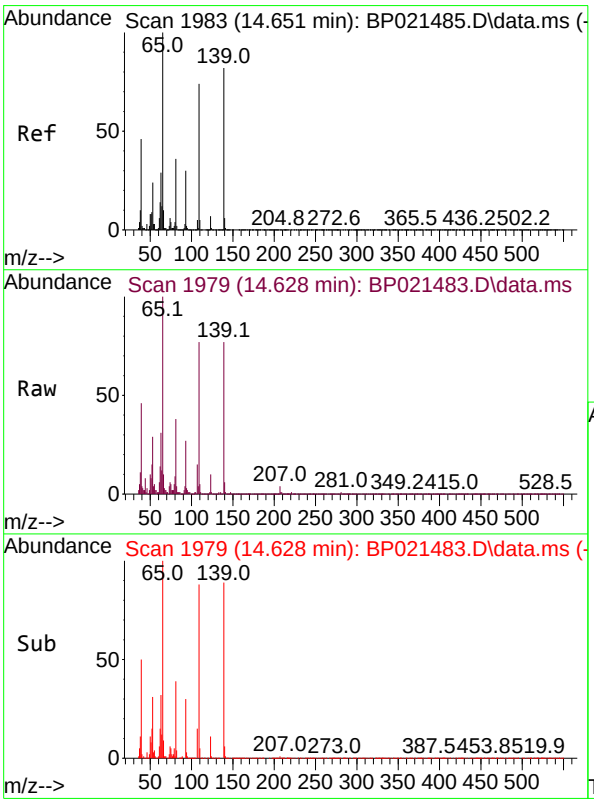
Ion	Ratio	Lower	Upper
168	100		
139	36.0	28.6	43.0
169	13.0	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

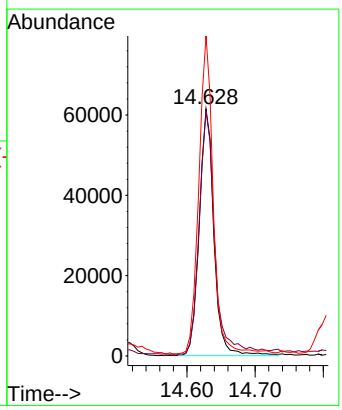
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

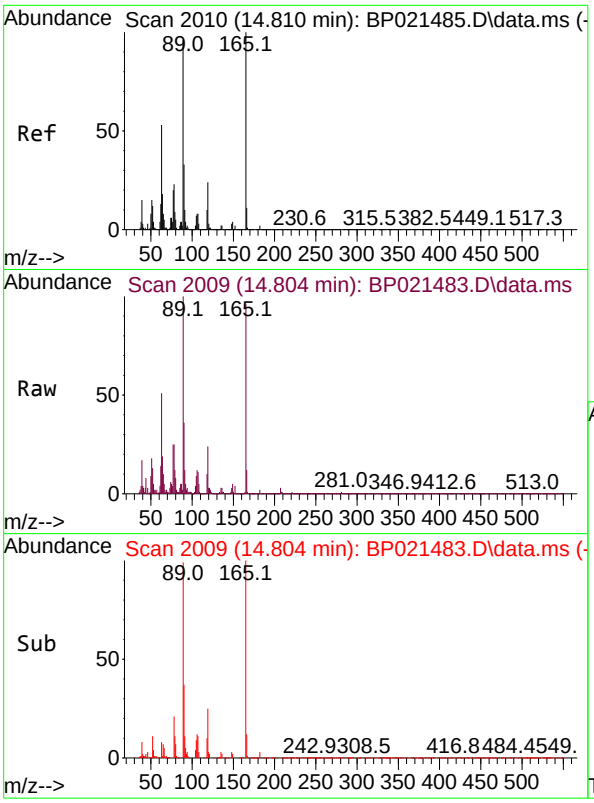


#56
4-Nitrophenol
Concen: 11.027 ng
RT: 14.628 min Scan# 1979
Delta R.T. -0.023 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:139 Resp: 91997

Ion	Ratio	Lower	Upper
139	100		
109	99.2	70.2	110.2
65	129.6	101.8	141.8

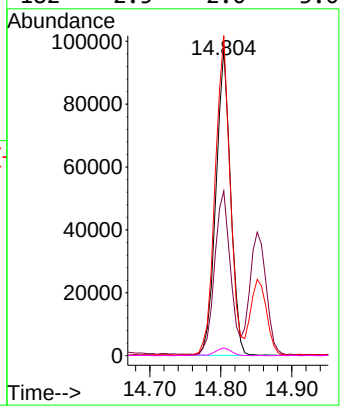




#57
2,4-Dinitrotoluene
Concen: 10.586 ng
RT: 14.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:165 Resp: 13924

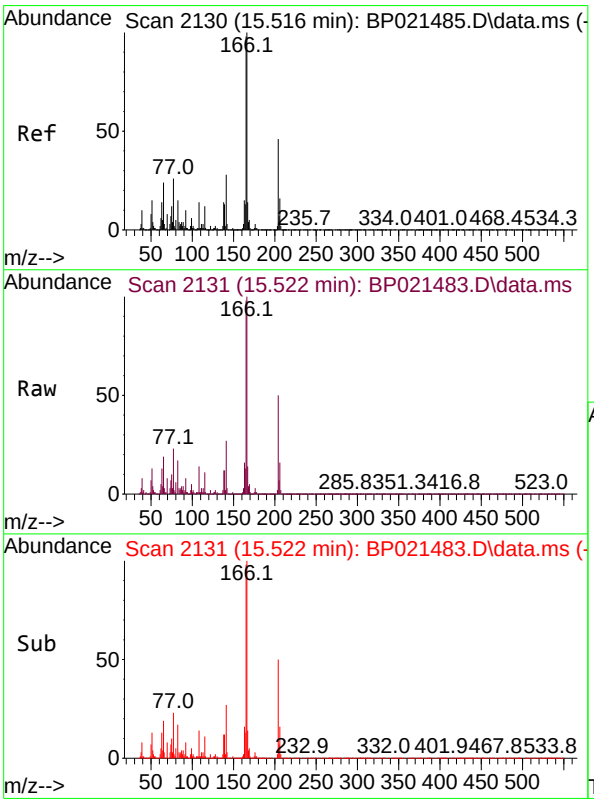
Ion	Ratio	Lower	Upper
165	100		
63	53.8	42.5	63.7
89	104.6	77.1	115.7
182	2.5	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

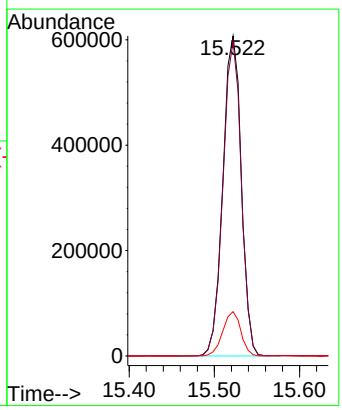
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

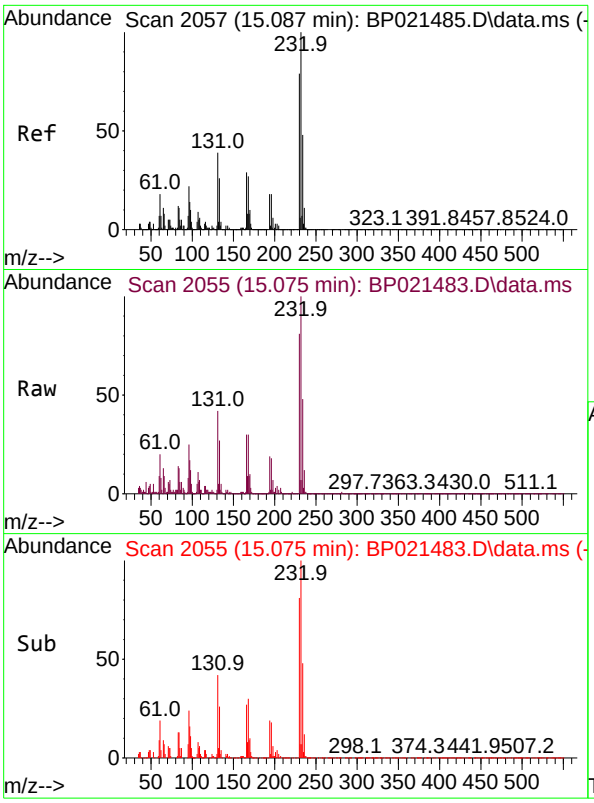


#58
Fluorene
Concen: 10.425 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:166 Resp: 912792

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.1	117.1
167	13.9	11.0	16.4

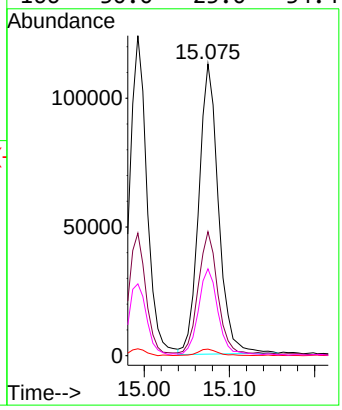




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.055 ng
RT: 15.075 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:232 Resp: 18123

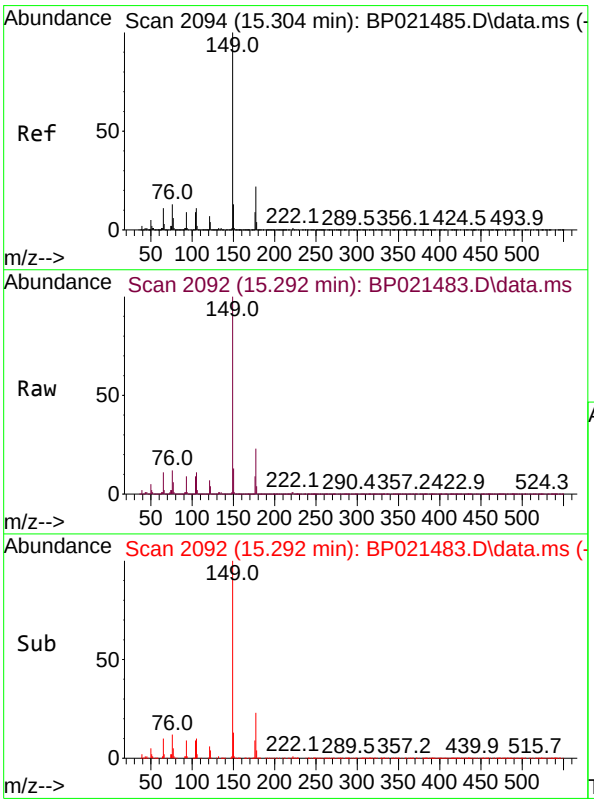
Ion	Ratio	Lower	Upper
232	100		
131	40.9	33.1	49.7
130	2.3	1.7	2.5
166	30.0	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

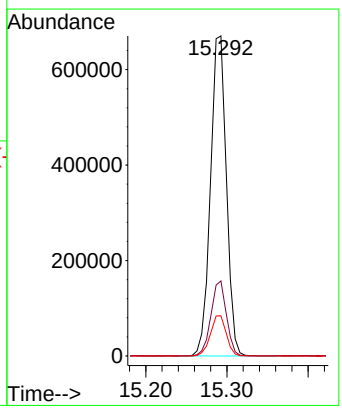
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

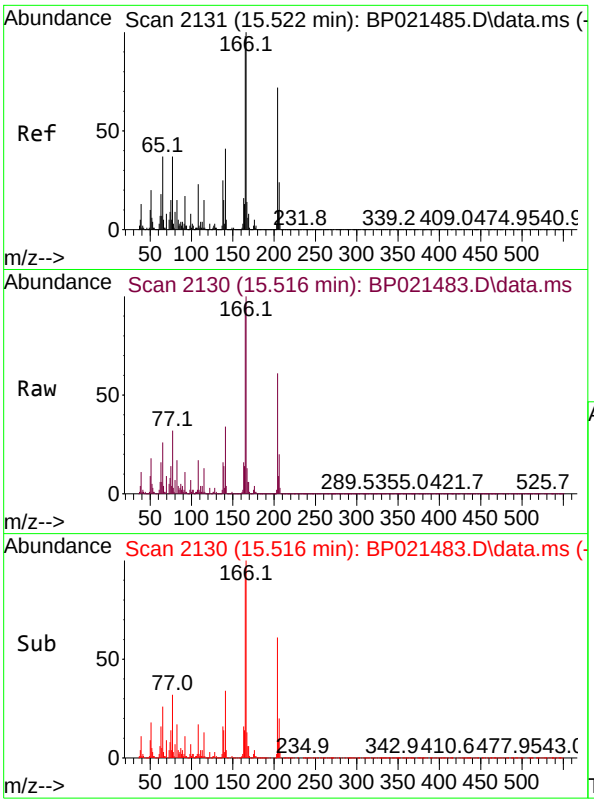


#60
Diethylphthalate
Concen: 10.148 ng
RT: 15.292 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:149 Resp: 909304

Ion	Ratio	Lower	Upper
149	100		
177	23.4	17.8	26.8
150	12.6	10.1	15.1

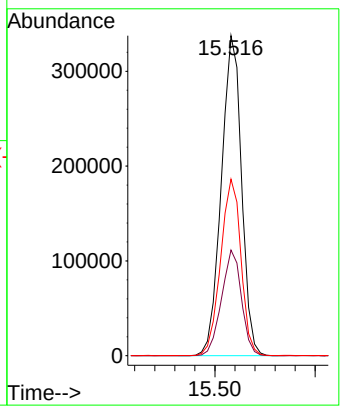




#61
4-Chlorophenyl-phenylether
Concen: 10.426 ng
RT: 15.516 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:204 Resp: 47186

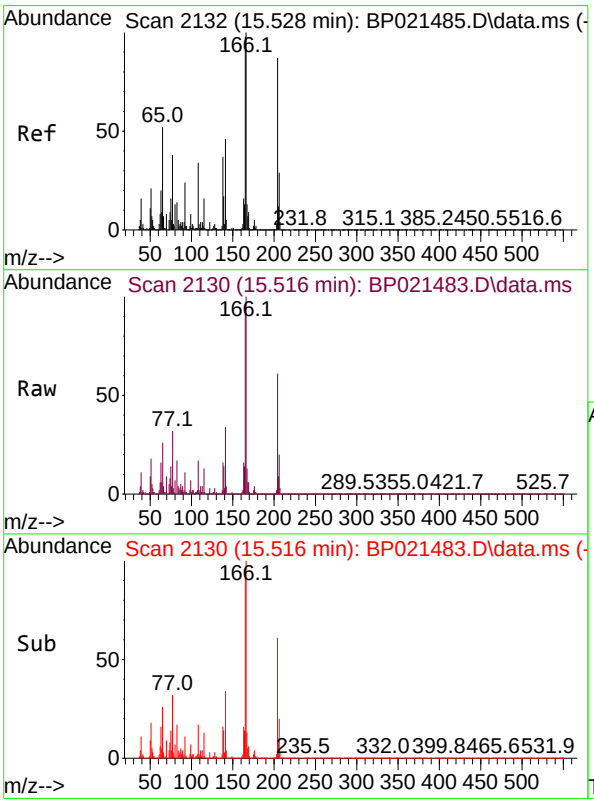
Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	55.2	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

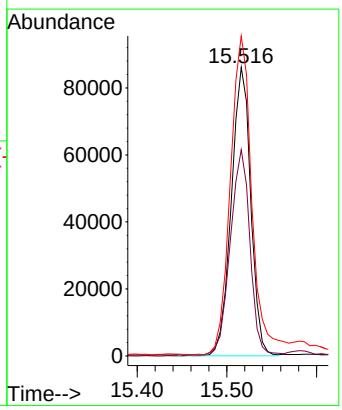
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

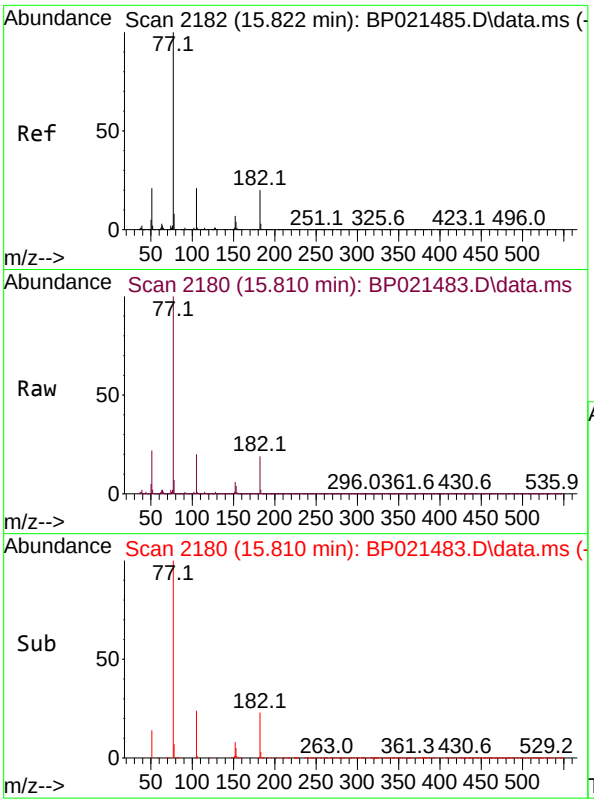


#62
4-Nitroaniline
Concen: 9.743 ng
RT: 15.516 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:138 Resp: 129100

Ion	Ratio	Lower	Upper
138	100		
92	71.5	46.4	86.4
108	110.9	73.2	113.2

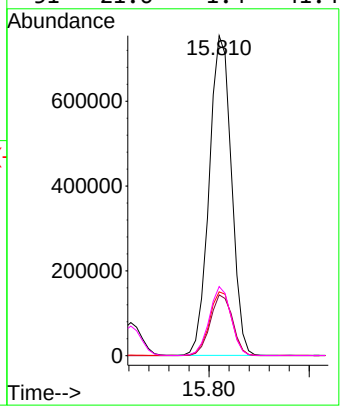




#63
Azobenzene
Concen: 10.529 ng
RT: 15.810 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 77 Resp: 115964

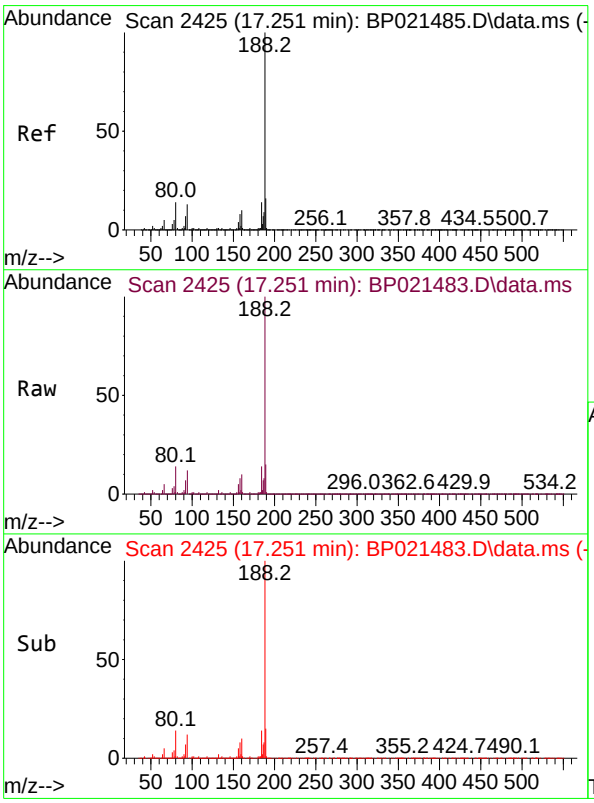
Ion	Ratio	Lower	Upper
77	100		
182	19.0	0.0	39.9
105	20.0	0.9	40.9
51	21.6	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

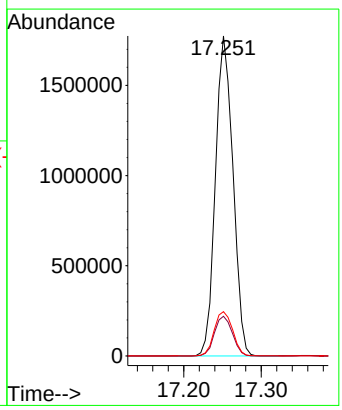
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

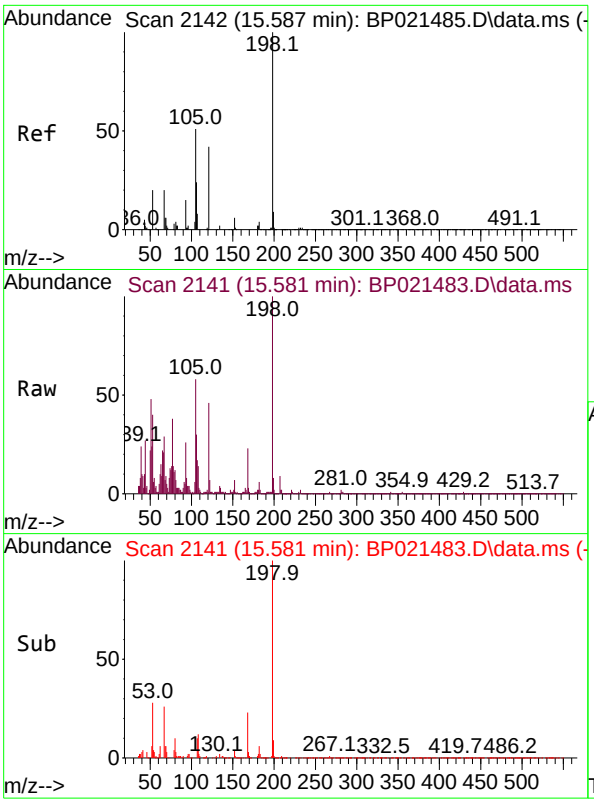


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:188 Resp: 2799153

Ion	Ratio	Lower	Upper
188	100		
94	12.4	10.2	15.4
80	13.9	11.6	17.4





#65
4,6-Dinitro-2-methylphenol
Concen: 11.022 ng
RT: 15.581 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

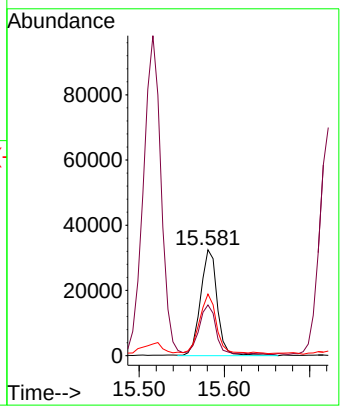
Tgt Ion:198 Resp: 4407

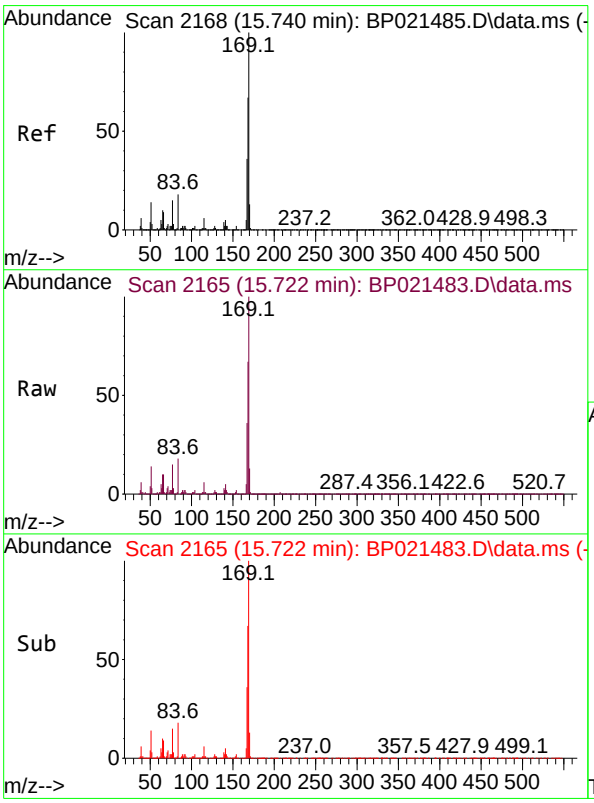
Ion	Ratio	Lower	Upper
198	100		
51	47.9	21.5	61.5
105	58.2	32.9	72.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

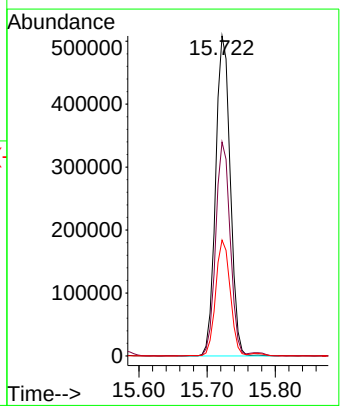


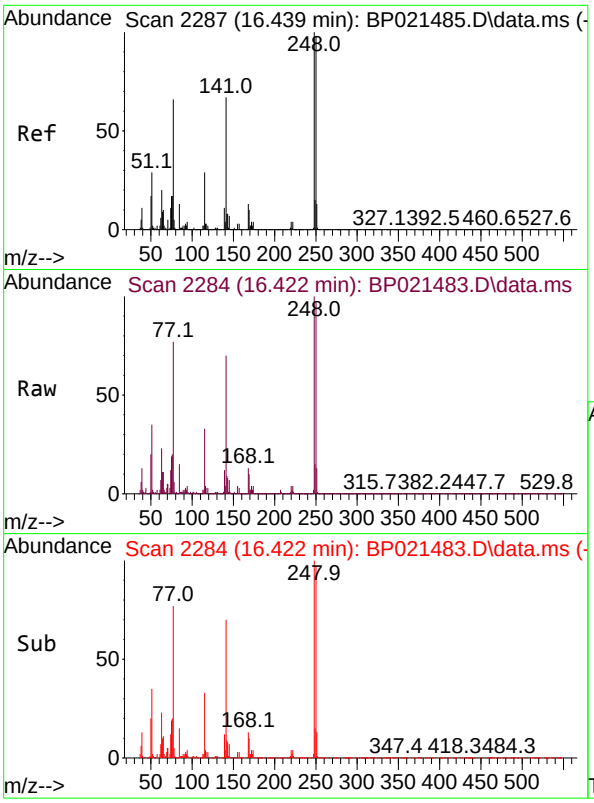


#66
n-Nitrosodiphenylamine
Concen: 10.103 ng
RT: 15.722 min Scan# 2165
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:169 Resp: 757847

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	36.2	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 9.906 ng
RT: 16.422 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

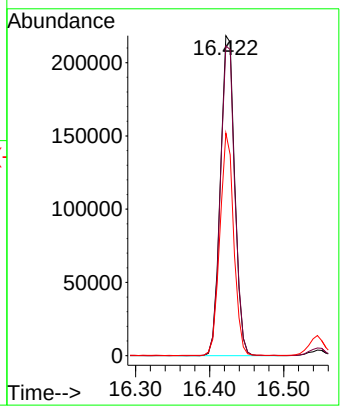
Tgt Ion:248 Resp: 29346

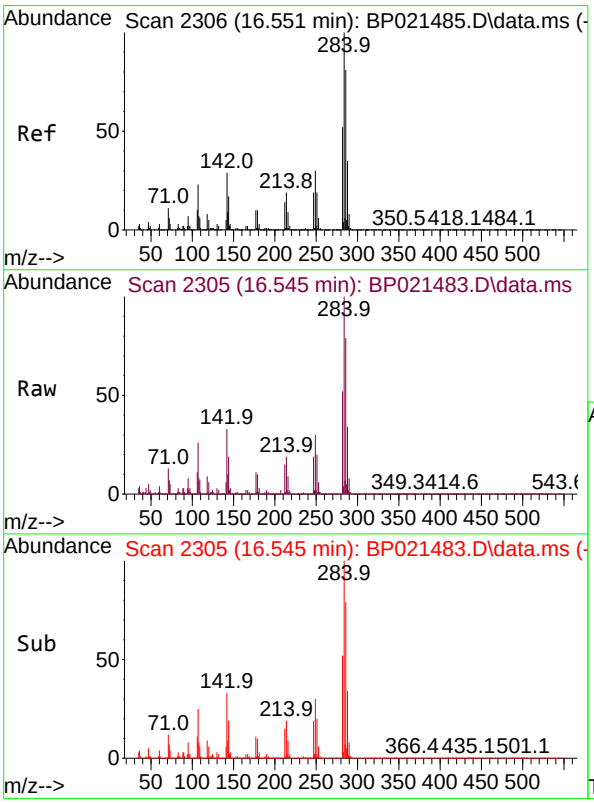
Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.6	117.8
141	69.6	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

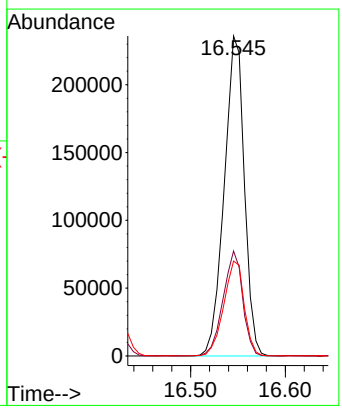


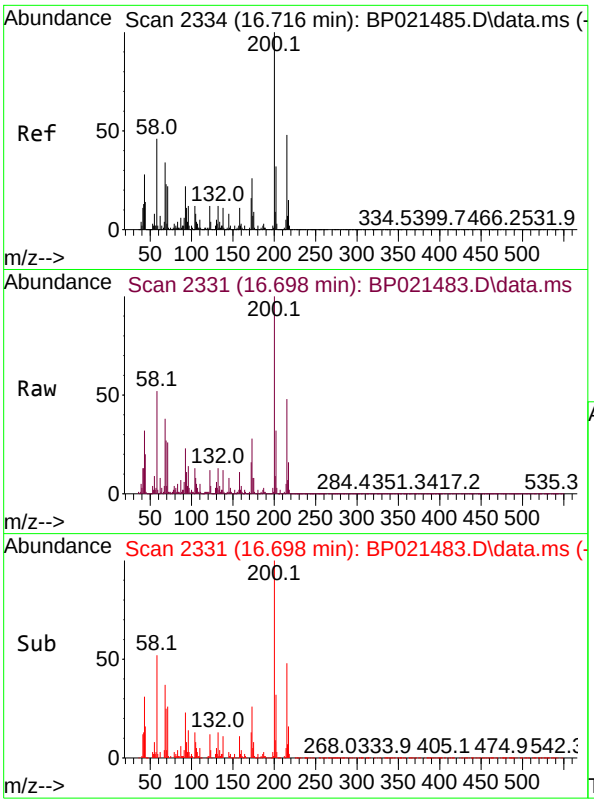


#68
Hexachlorobenzene
Concen: 9.938 ng
RT: 16.545 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:284 Resp: 347933

Ion	Ratio	Lower	Upper
284	100		
142	32.8	23.4	35.2
249	29.7	24.1	36.1

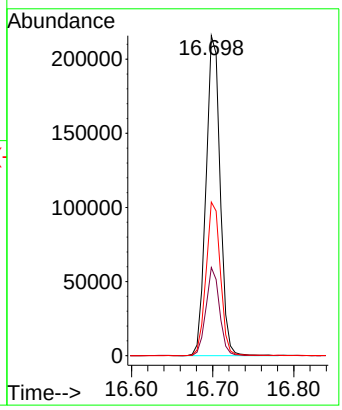




#69
Atrazine
Concen: 10.106 ng
RT: 16.698 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:200 Resp: 26027

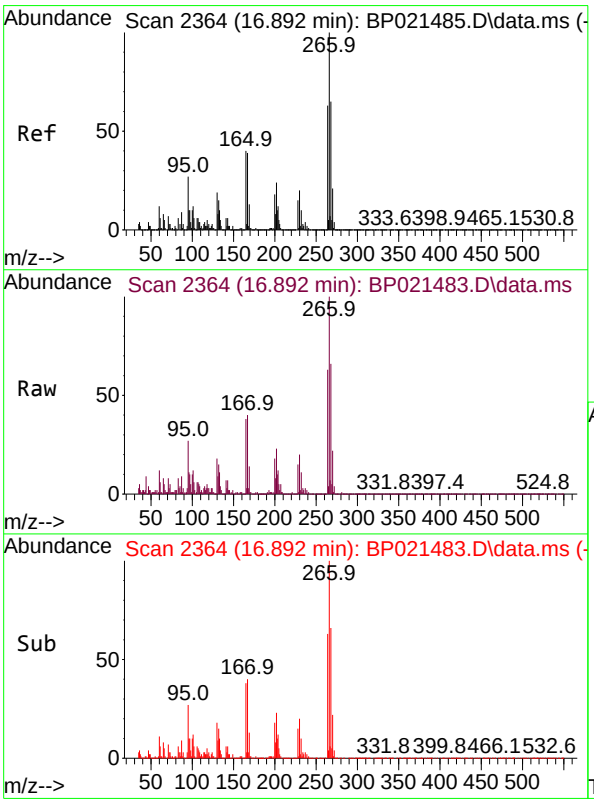
Ion	Ratio	Lower	Upper
200	100		
173	27.5	6.2	46.2
215	48.0	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

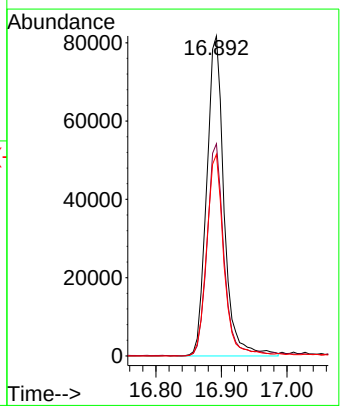
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

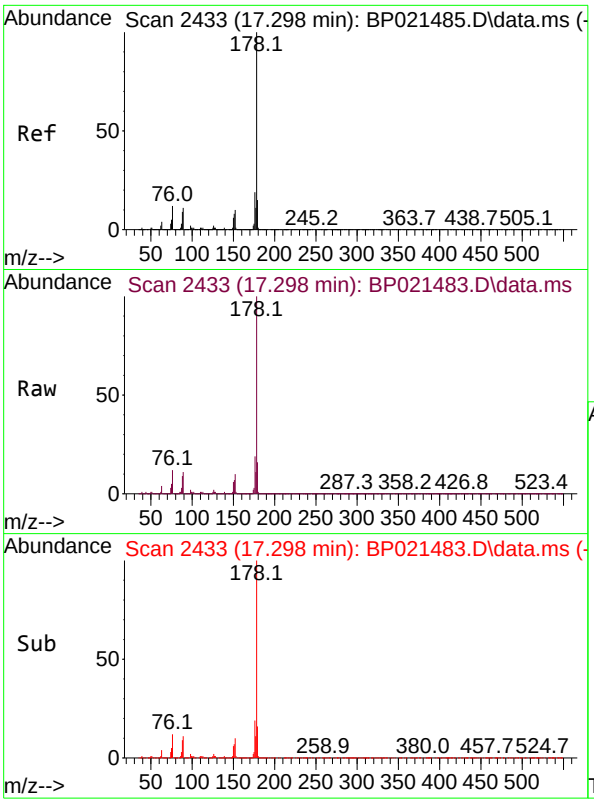


#70
Pentachlorophenol
Concen: 7.877 ng
RT: 16.892 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:266 Resp: 150520

Ion	Ratio	Lower	Upper
266	100		
268	66.3	51.8	77.6
264	63.0	50.5	75.7

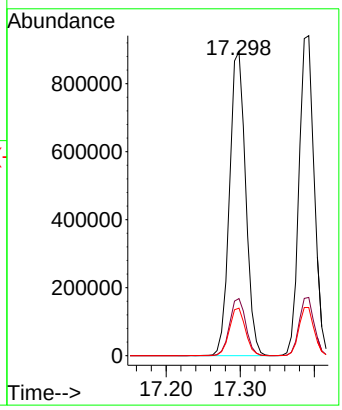




#71
Phenanthrene
Concen: 10.017 ng
RT: 17.298 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:178 Resp: 134841

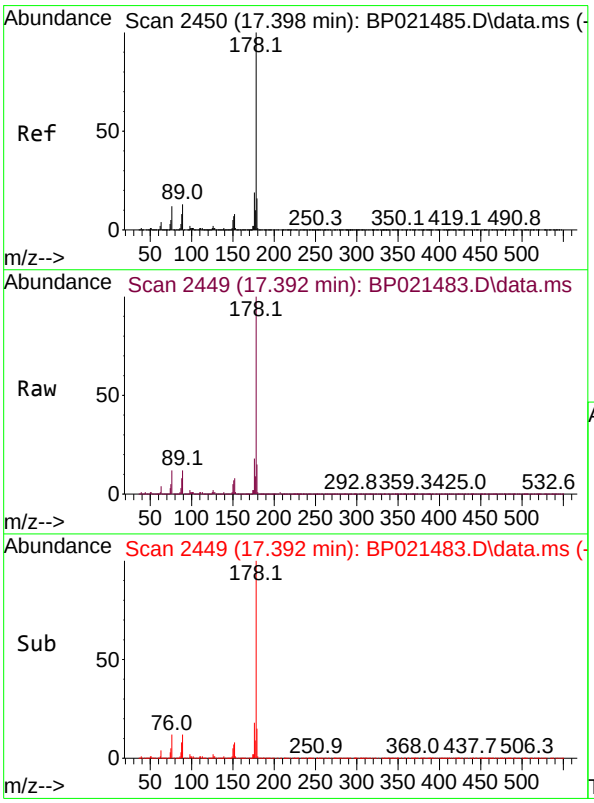
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.6	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

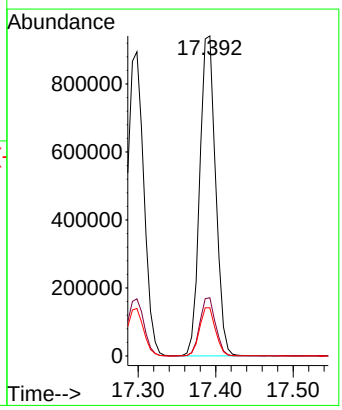
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

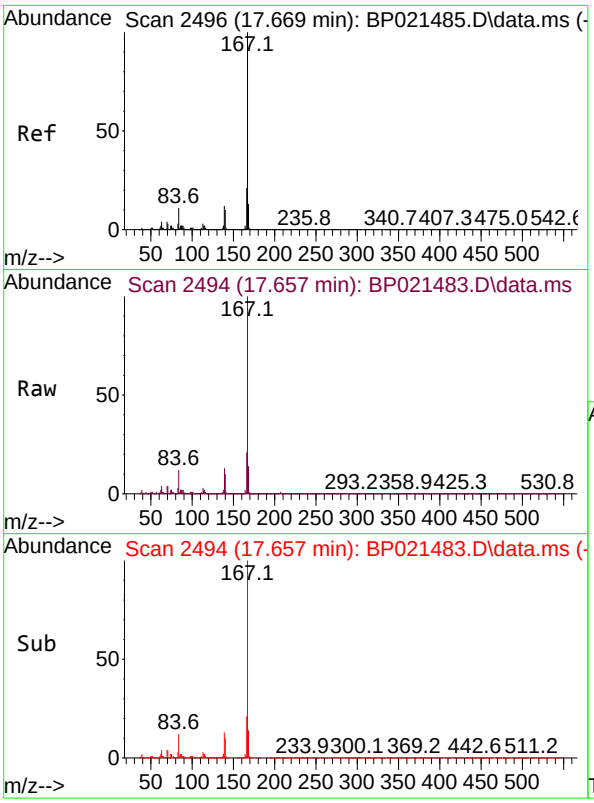


#72
Anthracene
Concen: 10.123 ng
RT: 17.392 min Scan# 2449
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:178 Resp: 1336422

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.9	22.3
179	15.0	12.5	18.7

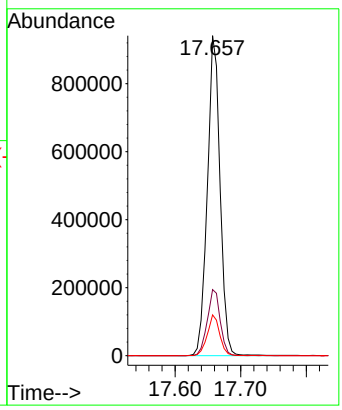




#73
Carbazole
Concen: 9.966 ng
RT: 17.657 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:167 Resp: 126796

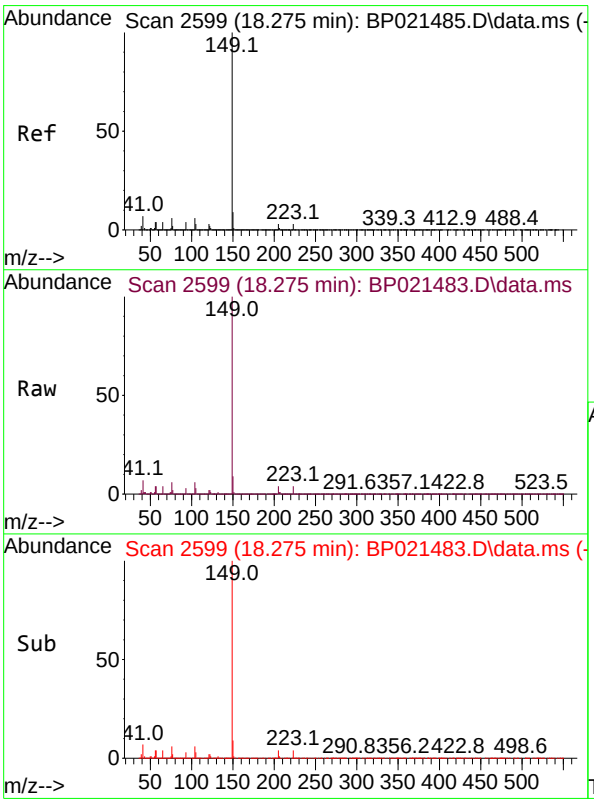
Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.0	25.4
139	12.7	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

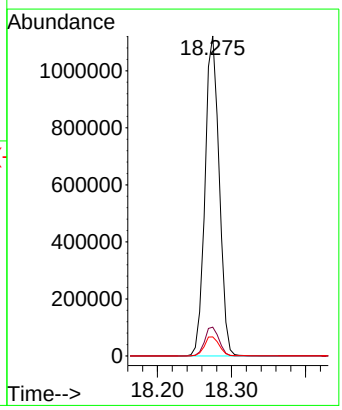
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

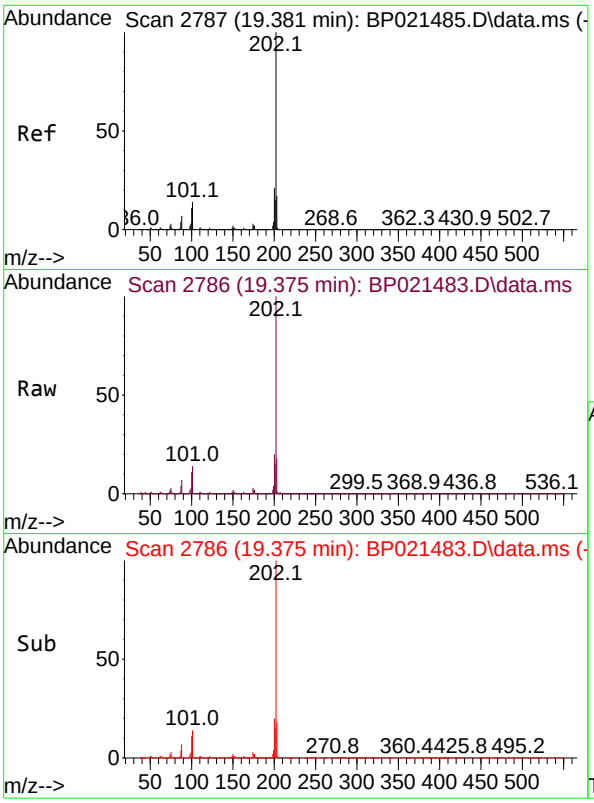


#74
Di-n-butylphthalate
Concen: 9.539 ng
RT: 18.275 min Scan# 2599
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:149 Resp: 1490471

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.5	11.3
104	6.0	4.9	7.3

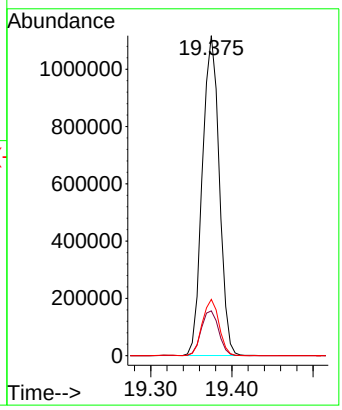




#75
Fluoranthene
Concen: 9.769 ng
RT: 19.375 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:202 Resp: 161350

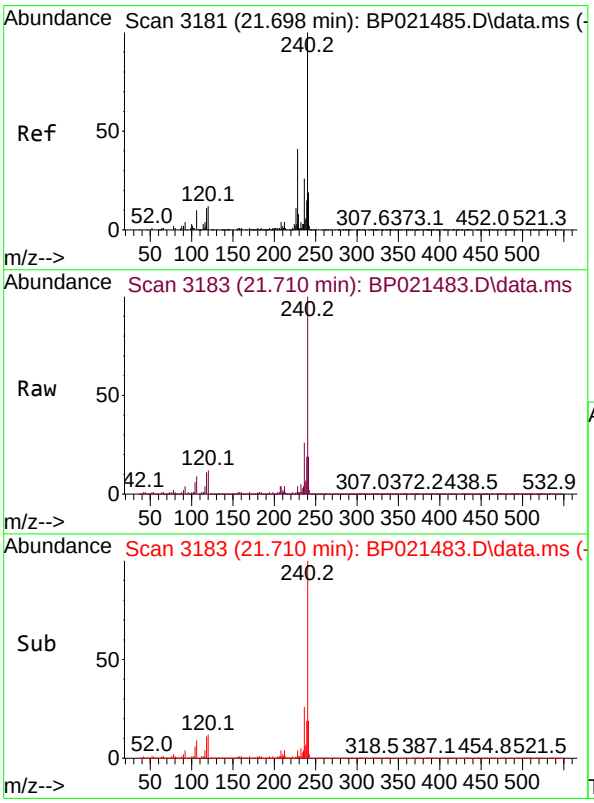
Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.0
203	17.6	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

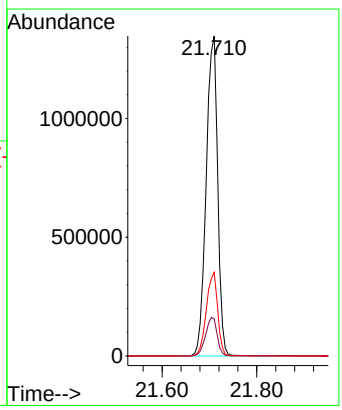
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

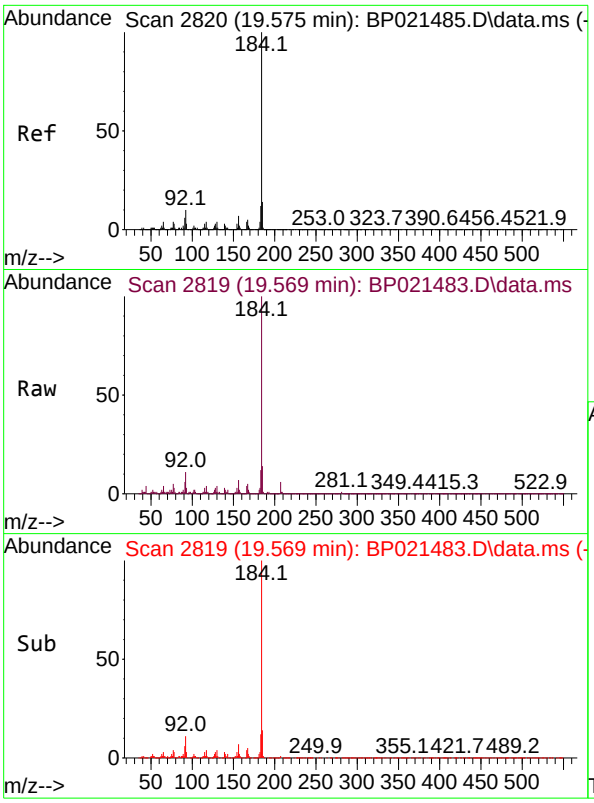


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.710 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:240 Resp: 2268651

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.9	14.9
236	26.2	20.6	30.8

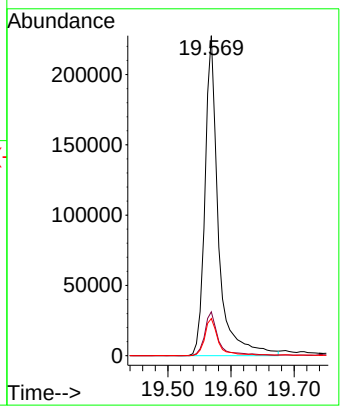




#77
Benzidine
Concen: 9.509 ng
RT: 19.569 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:184 Resp: 33659

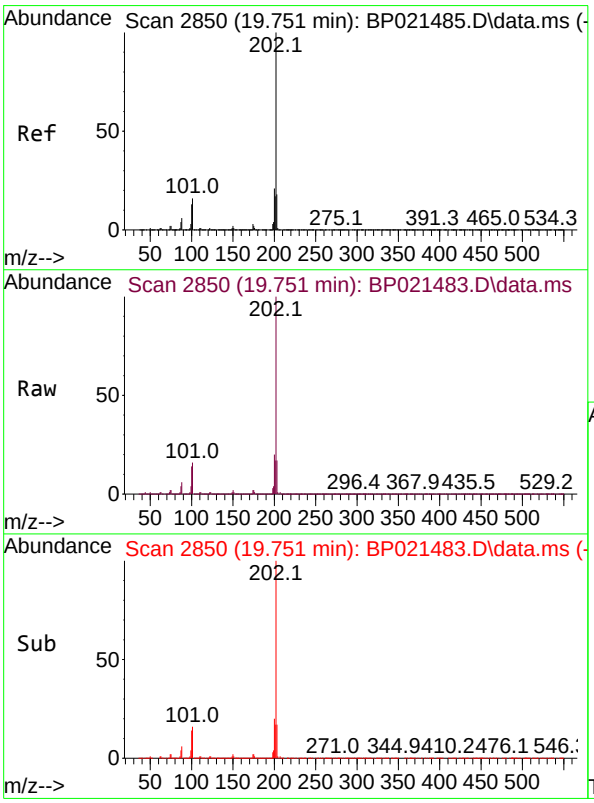
Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.4	17.0
183	11.6	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

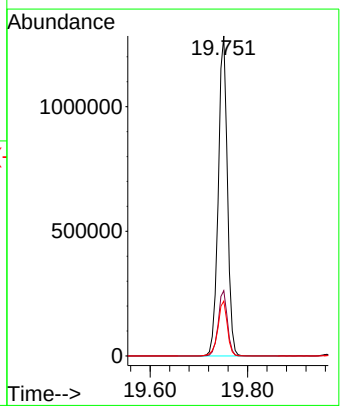
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

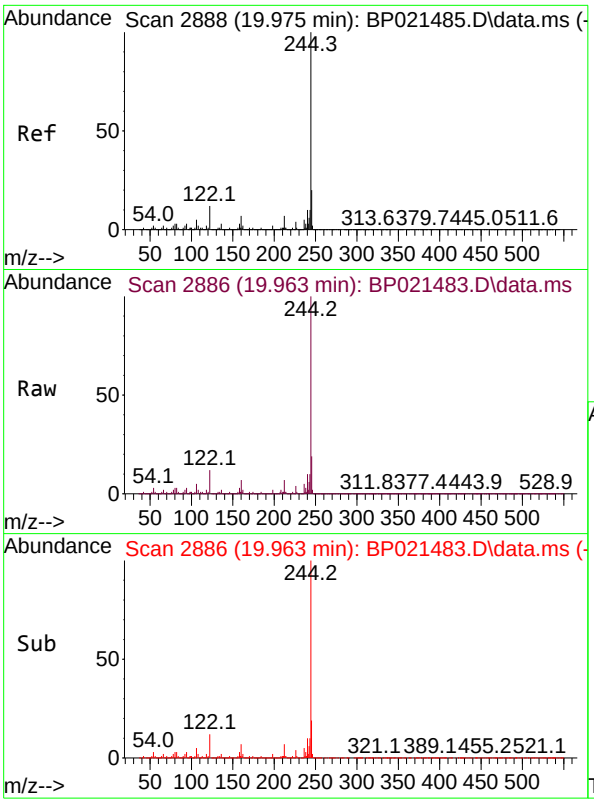


#78
Pyrene
Concen: 11.243 ng
RT: 19.751 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:202 Resp: 1667213

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.7	25.1
203	17.1	14.1	21.1

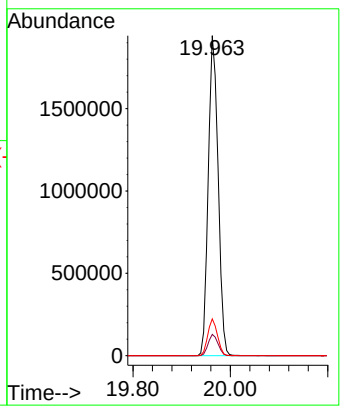




#79
Terphenyl-d14
Concen: 23.235 ng
RT: 19.963 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:244 Resp: 271331

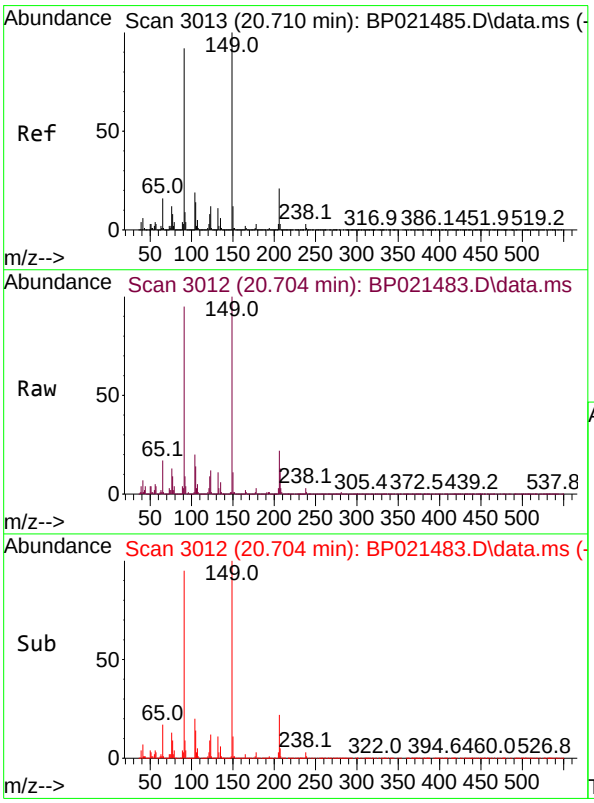
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	11.5	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

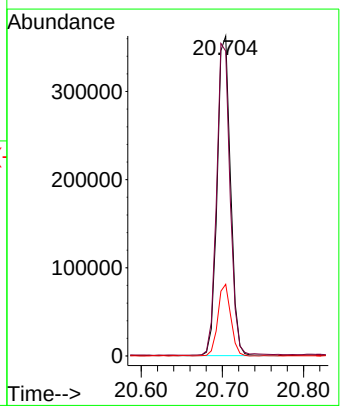
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

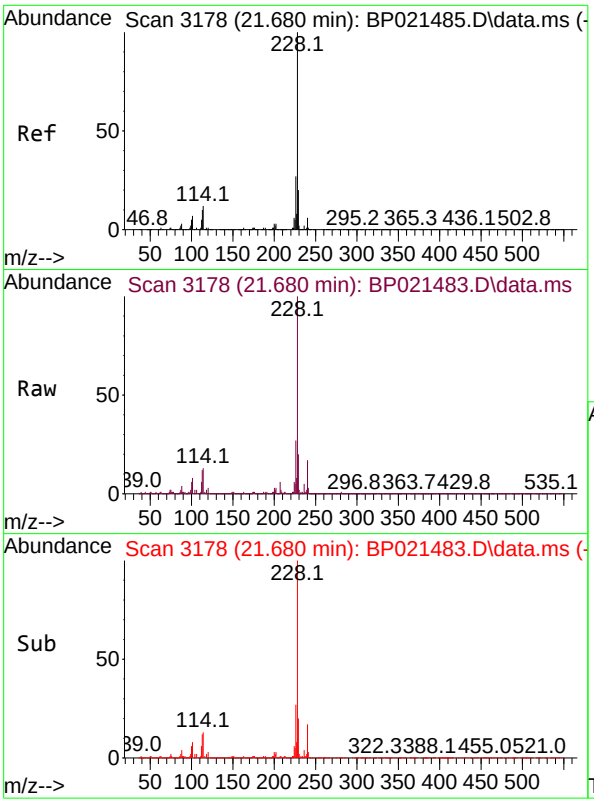


#80
Butylbenzylphthalate
Concen: 10.409 ng
RT: 20.704 min Scan# 3012
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:149 Resp: 414136

Ion	Ratio	Lower	Upper
149	100		
91	95.2	73.3	109.9
206	22.4	17.1	25.7

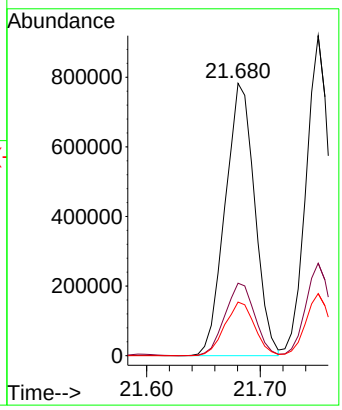




#81
Benzo(a)anthracene
Concen: 9.936 ng
RT: 21.680 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:228 Resp: 141500

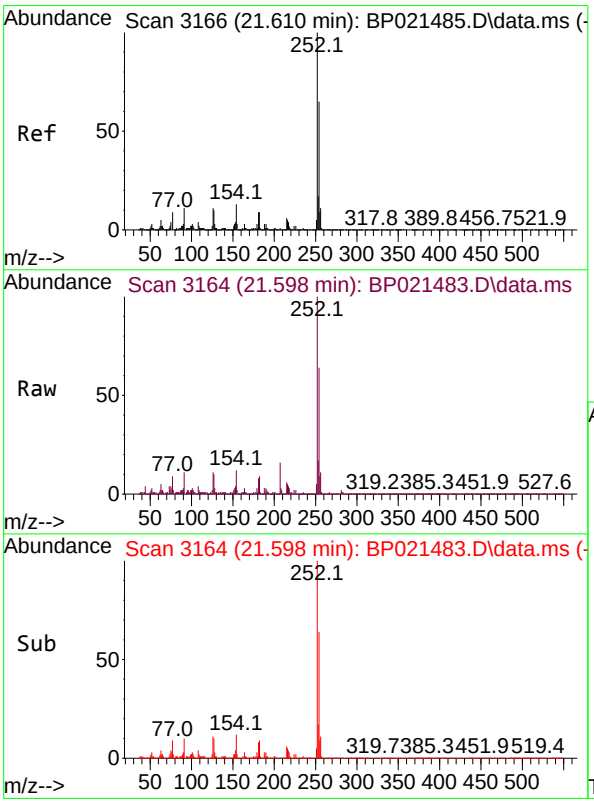
Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.4	32.2
229	19.7	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

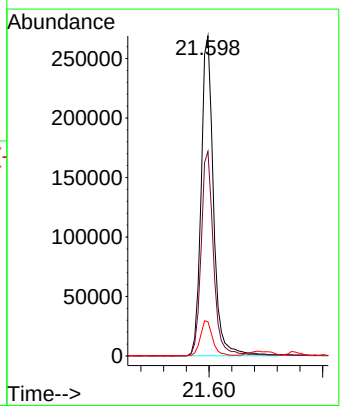
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

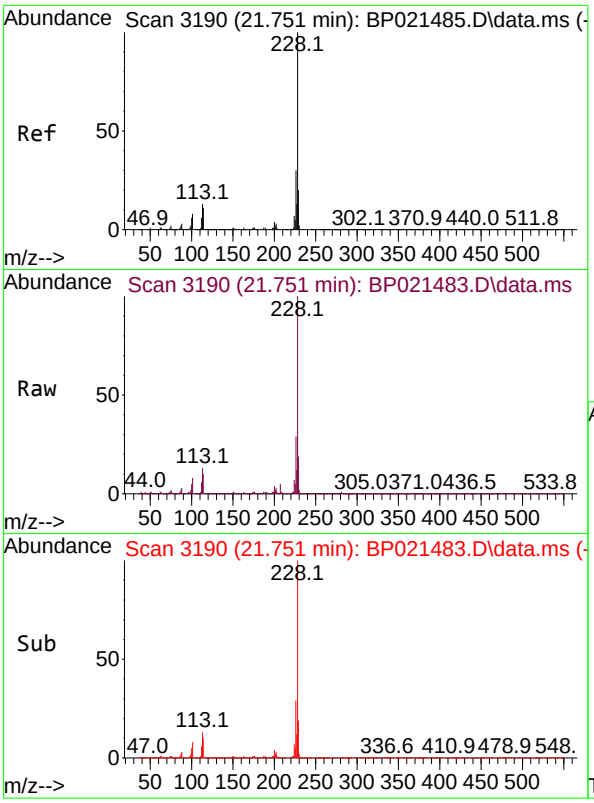


#82
3,3'-Dichlorobenzidine
Concen: 8.884 ng
RT: 21.598 min Scan# 3164
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:252 Resp: 405660

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.7	77.5
126	10.7	8.7	13.1

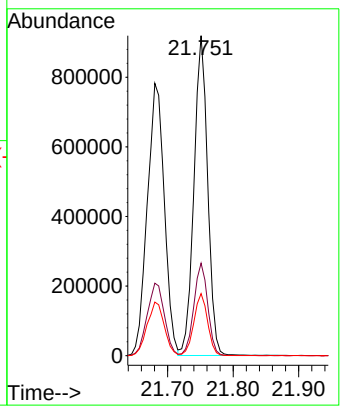




#83
Chrysene
Concen: 9.955 ng
RT: 21.751 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:228 Resp: 133861

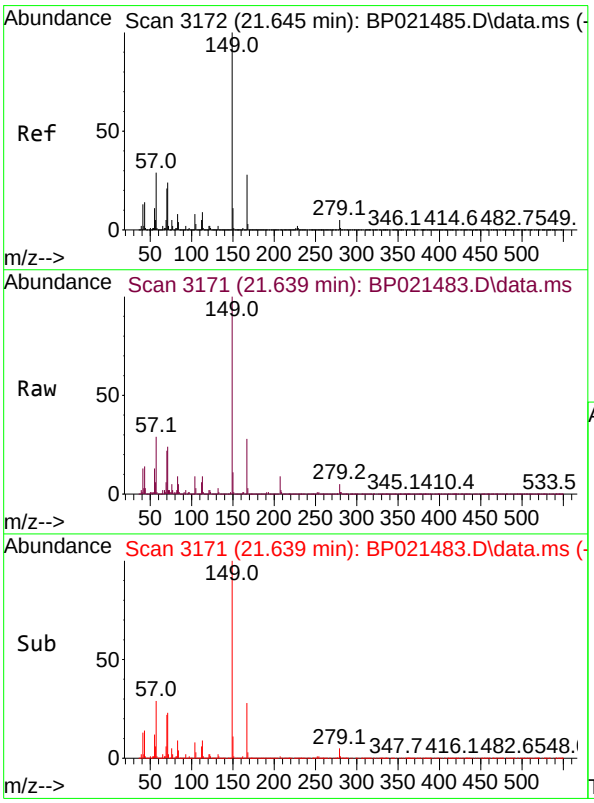
Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.9	35.9
229	19.4	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

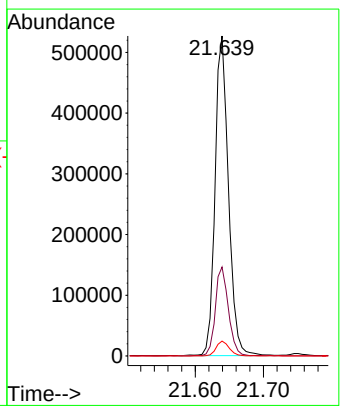
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

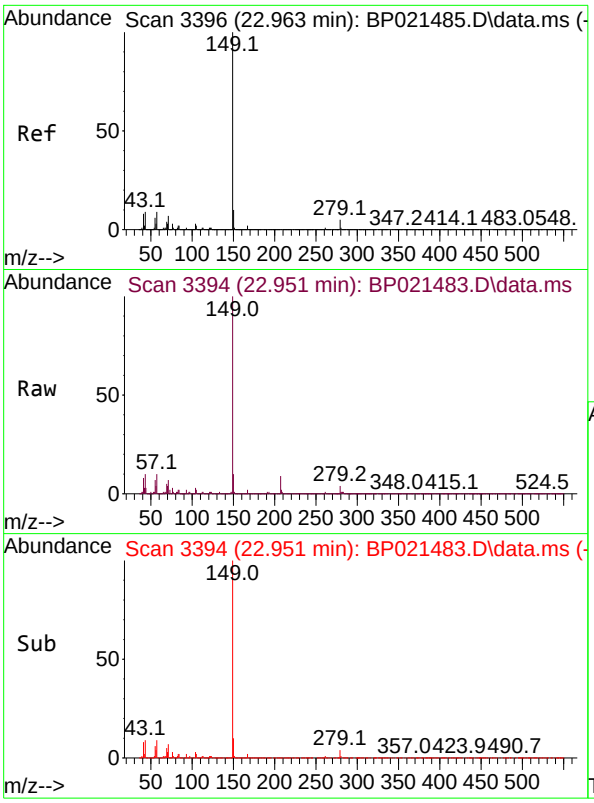


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.563 ng
RT: 21.639 min Scan# 3171
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:149 Resp: 720802

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.3	33.5
279	4.7	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 10.621 ng
RT: 22.951 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

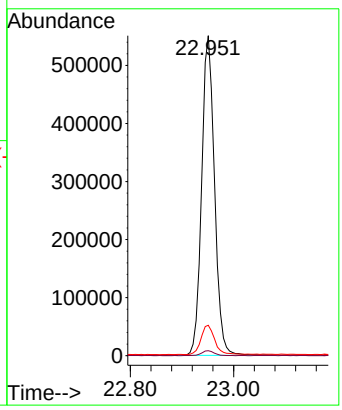
Tgt Ion:149 Resp: 95118

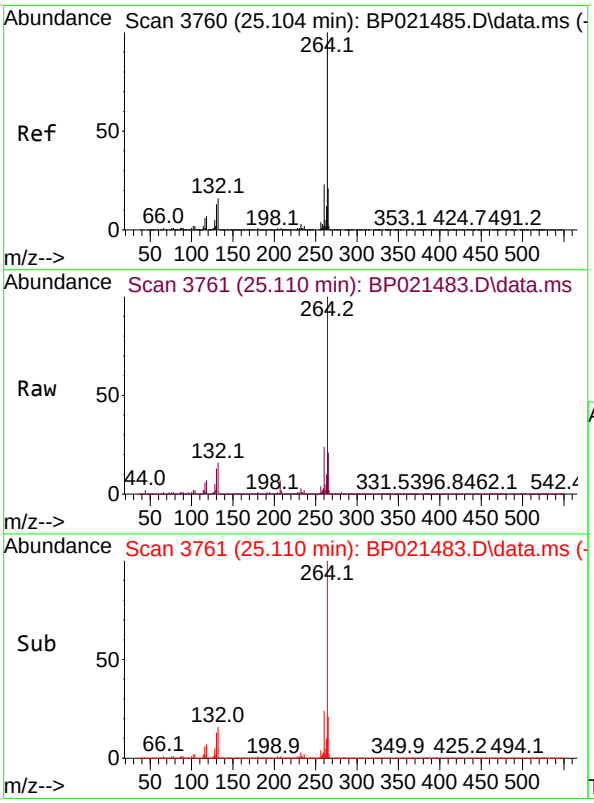
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.7	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

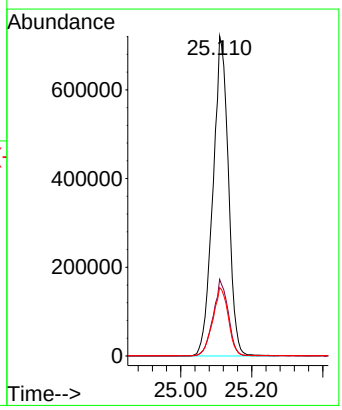


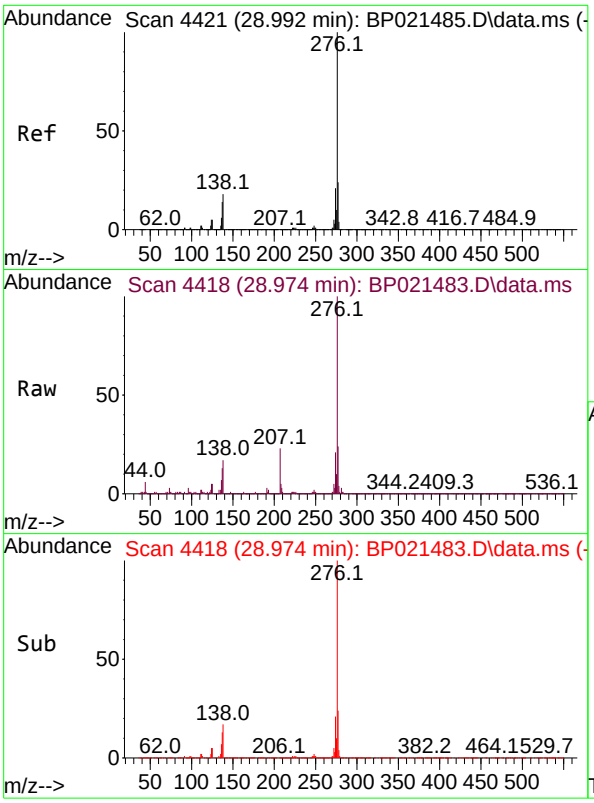


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.110 min Scan# 3761
Delta R.T. 0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:264 Resp: 2172035

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.3	17.1	25.7

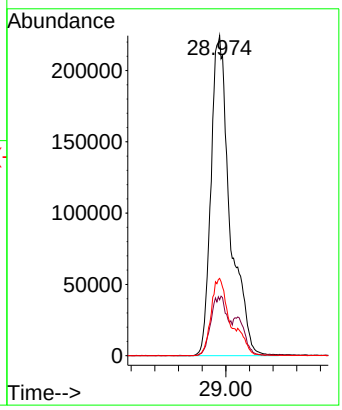




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.917 ng
RT: 28.974 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:276 Resp: 125532

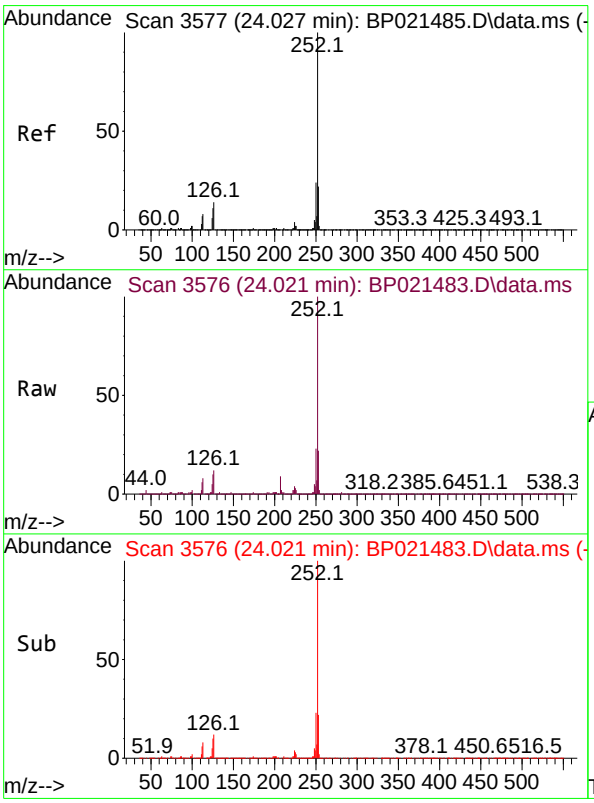
Ion	Ratio	Lower	Upper
276	100		
138	16.6	12.8	19.2
277	21.5	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

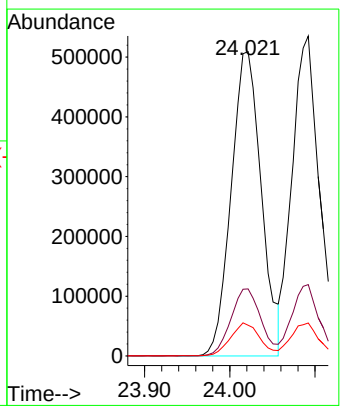
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

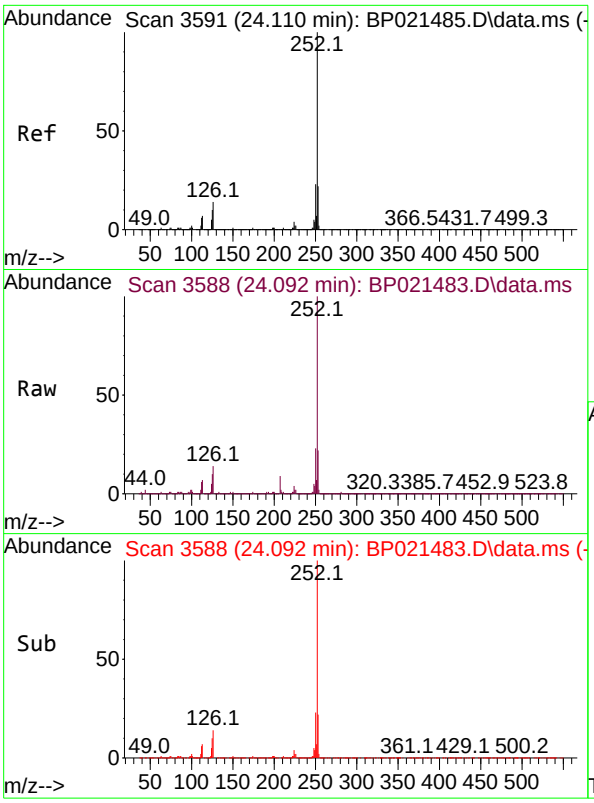


#88
Benzo(b)fluoranthene
Concen: 10.027 ng
RT: 24.021 min Scan# 3576
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:252 Resp: 1250809

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.1	8.6	13.0





#89
Benzo(k)fluoranthene
Concen: 9.824 ng
RT: 24.092 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

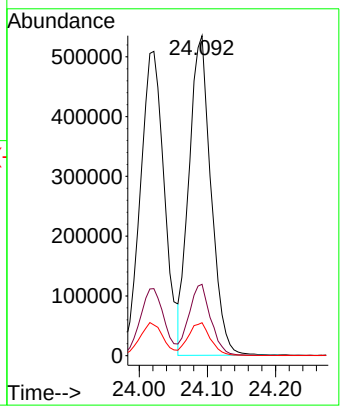
Tgt Ion:252 Resp: 119542

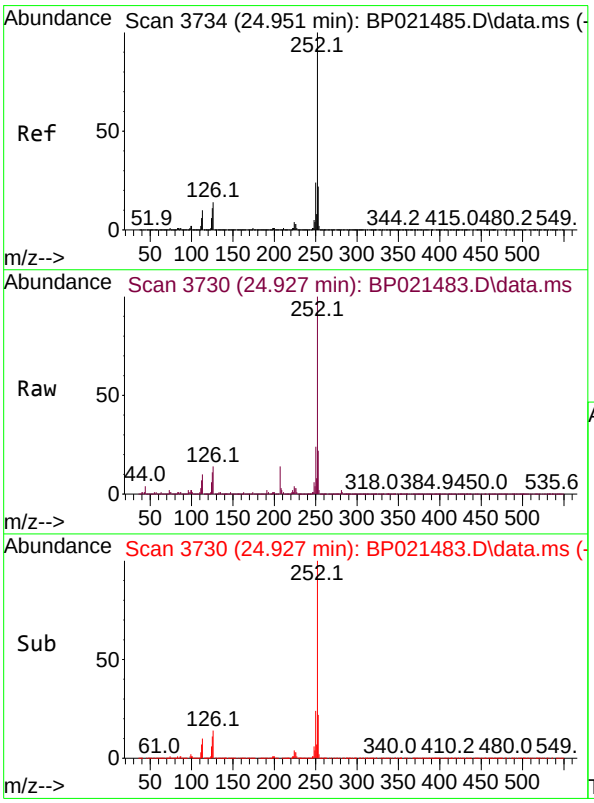
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.3	7.8	11.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

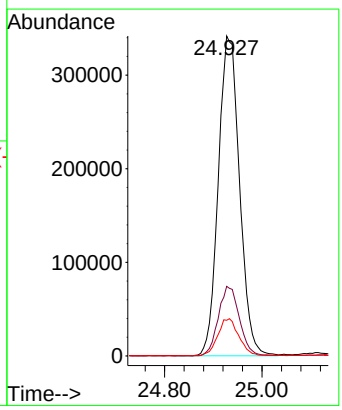


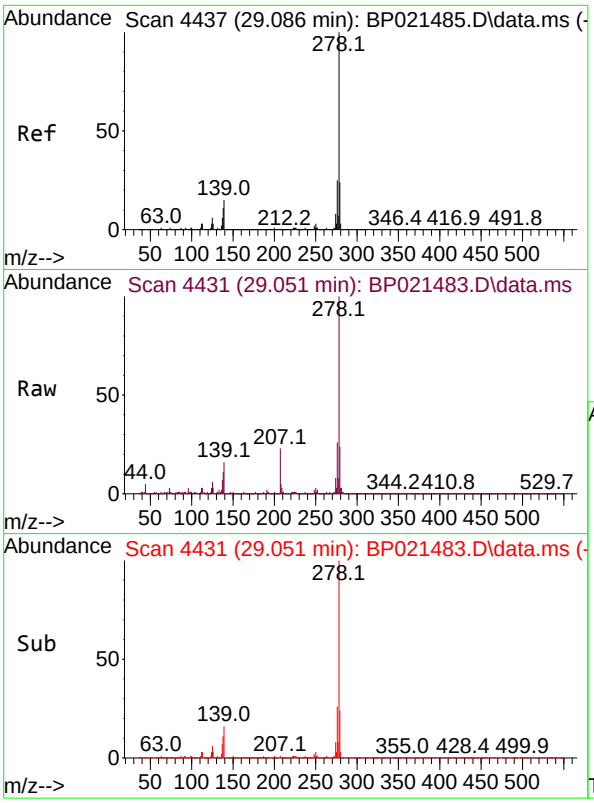


#90
Benzo(a)pyrene
Concen: 9.565 ng
RT: 24.927 min Scan# 3730
Delta R.T. -0.024 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:252 Resp: 1035462

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	11.2	8.7	13.1

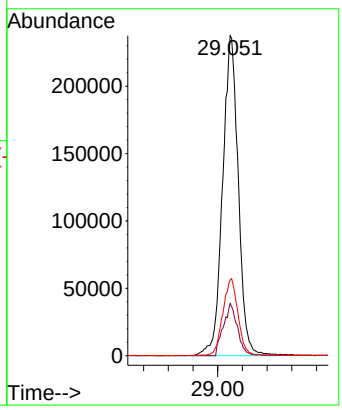




#91
Dibenzo(a,h)anthracene
Concen: 8.956 ng
RT: 29.051 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:278 Resp: 104769

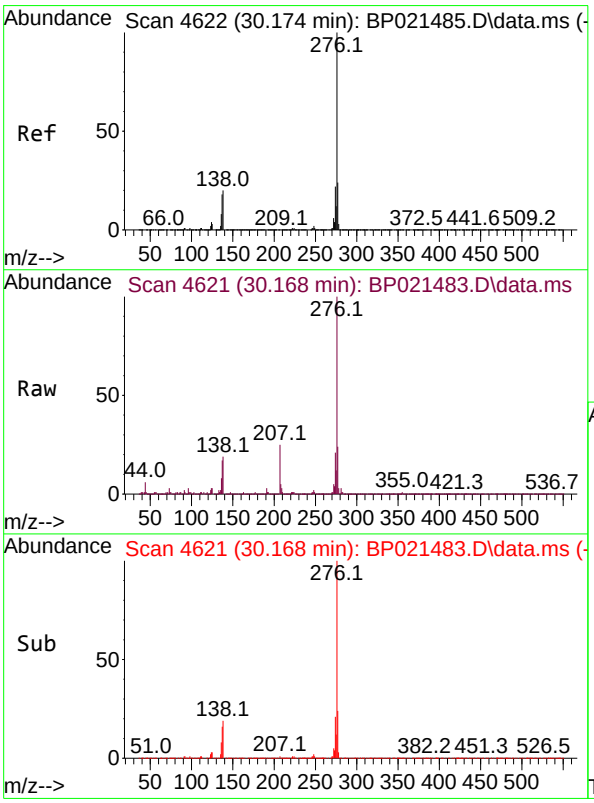
Ion	Ratio	Lower	Upper
278	100		
139	16.3	12.2	18.4
279	23.7	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

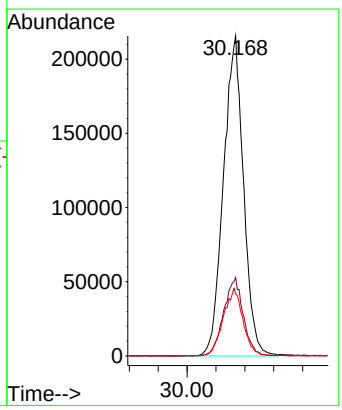
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 8.847 ng
RT: 30.168 min Scan# 4621
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:276 Resp: 1037272

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.0	28.6
138	19.4	16.0	24.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021484.D
Acq On : 13 Aug 2024 14:42
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:51:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.805	152	325874	20.000	ng		0.00
21) Naphthalene-d8	10.593	136	1390587	20.000	ng		0.00
39) Acenaphthene-d10	14.451	164	947946	20.000	ng		0.00
64) Phenanthrene-d10	17.251	188	2036378	20.000	ng		0.00
76) Chrysene-d12	21.704	240	2051361	20.000	ng		0.00
86) Perylene-d12	25.110	264	2332049	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	915778	41.728	ng		0.00
7) Phenol-d6	6.958	99	1343954	41.979	ng		0.00
23) Nitrobenzene-d5	8.952	82	1073821	39.857	ng		0.00
42) 2,4,6-Tribromophenol	15.963	330	421534	39.955	ng		0.00
45) 2-Fluorobiphenyl	13.063	172	2531601	40.758	ng		0.00
79) Terphenyl-d14	19.975	244	4240552	40.160	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.317	88	221781	21.313	ng		98
3) Pyridine	3.705	79	623899	21.477	ng		99
4) n-Nitrosodimethylamine	3.617	42	185073	21.196	ng		96
6) Aniline	7.128	93	669123	20.906	ng		99
8) 2-Chlorophenol	7.369	128	420713	20.744	ng		98
9) Benzaldehyde	6.946	77	459162	22.400	ng		100
10) Phenol	6.987	94	696832	21.019	ng		99
11) bis(2-Chloroethyl)ether	7.228	93	582174	20.753	ng		98
12) 1,3-Dichlorobenzene	7.699	146	503772	20.912	ng		99
13) 1,4-Dichlorobenzene	7.840	146	506071	20.804	ng		99
14) 1,2-Dichlorobenzene	8.158	146	493188	21.038	ng		99
15) Benzyl Alcohol	8.034	79	480369	20.912	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.340	45	535190	20.717	ng		99
17) 2-Methylphenol	8.234	107	439840	20.986	ng		100
18) Hexachloroethane	8.893	117	201027	20.608	ng		98
19) n-Nitroso-di-n-propyla...	8.605	70	467087	21.121	ng		100
20) 3+4-Methylphenols	8.558	107	584839	20.695	ng		99
22) Acetophenone	8.616	105	893676	20.919	ng	#	99
24) Nitrobenzene	8.993	77	597794	20.430	ng		99
25) Isophorone	9.516	82	1322653	20.781	ng		100
26) 2-Nitrophenol	9.705	139	105219	20.765	ng		97
27) 2,4-Dimethylphenol	9.758	122	322640	20.541	ng		98
28) bis(2-Chloroethoxy)met...	9.999	93	795422	20.473	ng		99
29) 2,4-Dichlorophenol	10.234	162	375130	20.213	ng		98
30) 1,2,4-Trichlorobenzene	10.458	180	482172	20.265	ng		98
31) Naphthalene	10.646	128	1492878	20.550	ng		100
32) Benzoic acid	9.840	122	144329	19.969	ng		95
33) 4-Chloroaniline	10.734	127	564170	20.675	ng		99
34) Hexachlorobutadiene	10.946	225	302459	20.189	ng		98
35) Caprolactam	11.481	113	163665	21.189	ng		98
36) 4-Chloro-3-methylphenol	11.857	107	531060	20.628	ng		99
37) 2-Methylnaphthalene	12.257	142	1015274	20.478	ng		100
38) 1-Methylnaphthalene	12.475	142	1008222	20.619	ng		100
40) 1,2,4,5-Tetrachloroben...	12.628	216	561317	20.209	ng		99
41) Hexachlorocyclopentadiene	12.616	237	164693	18.709	ng		99
43) 2,4,6-Trichlorophenol	12.863	196	301820	19.562	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021484.D
Acq On : 13 Aug 2024 14:42
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:51:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	341066	19.897	ng		99
46) 1,1'-Biphenyl	13.281	154	1359024	20.263	ng		99
47) 2-Chloronaphthalene	13.322	162	1058999	20.282	ng		99
48) 2-Nitroaniline	13.504	65	218570	18.481	ng		97
49) Acenaphthylene	14.169	152	1571109	20.468	ng		100
50) Dimethylphthalate	13.904	163	1297733	20.442	ng		99
51) 2,6-Dinitrotoluene	14.016	165	215611	19.423	ng		93
52) Acenaphthene	14.516	154	1018510	20.223	ng		100
53) 3-Nitroaniline	14.346	138	209499	19.232	ng	#	91
54) 2,4-Dinitrophenol	14.540	184	49171	19.714	ng	#	74
55) Dibenzofuran	14.851	168	1589415	20.515	ng		99
56) 4-Nitrophenol	14.634	139	167932	20.016	ng		97
57) 2,4-Dinitrotoluene	14.804	165	248400	18.676	ng		92
58) Fluorene	15.516	166	1334998	20.975	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.081	232	286326	19.679	ng		98
60) Diethylphthalate	15.293	149	1353063	20.773	ng		100
61) 4-Chlorophenyl-phenyle...	15.522	204	680988	20.699	ng		97
62) 4-Nitroaniline	15.522	138	229769	19.603	ng		92
63) Azobenzene	15.816	77	1685601	21.052	ng		99
65) 4,6-Dinitro-2-methylph...	15.581	198	79397	19.364	ng		96
66) n-Nitrosodiphenylamine	15.734	169	1118083	20.488	ng		100
67) 4-Bromophenyl-phenylether	16.434	248	432165	20.052	ng		99
68) Hexachlorobenzene	16.545	284	509441	20.002	ng		98
69) Atrazine	16.710	200	398442	21.266	ng		99
70) Pentachlorophenol	16.892	266	255526	18.381	ng		99
71) Phenanthrene	17.292	178	2033070	20.760	ng		99
72) Anthracene	17.398	178	1976030	20.574	ng		99
73) Carbazole	17.663	167	1916837	20.709	ng		99
74) Di-n-butylphthalate	18.269	149	2340289	20.587	ng		99
75) Fluoranthene	19.375	202	2511684	20.902	ng		100
77) Benzidine	19.575	184	924193	20.258	ng		99
78) Pyrene	19.751	202	2656705	19.814	ng		100
80) Butylbenzylphthalate	20.710	149	843482	18.934	ng		98
81) Benzo(a)anthracene	21.686	228	2648478	20.566	ng		100
82) 3,3'-Dichlorobenzidine	21.604	252	847490	20.526	ng		99
83) Chrysene	21.751	228	2472528	20.336	ng		100
84) Bis(2-ethylhexyl)phtha...	21.651	149	1520788	19.981	ng		99
85) Di-n-octyl phthalate	22.963	149	2286827	20.217	ng		99
87) Indeno(1,2,3-cd)pyrene	28.980	276	3071376m	20.320	ng		
88) Benzo(b)fluoranthene	24.033	252	2700298	20.161	ng		98
89) Benzo(k)fluoranthene	24.104	252	2620830	20.059	ng		99
90) Benzo(a)pyrene	24.951	252	2339364	20.127	ng		98
91) Dibenzo(a,h)anthracene	29.080	278	2579763	20.539	ng		99
92) Benzo(g,h,i)perylene	30.168	276	2555517	20.300	ng		100

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

ICAL Form

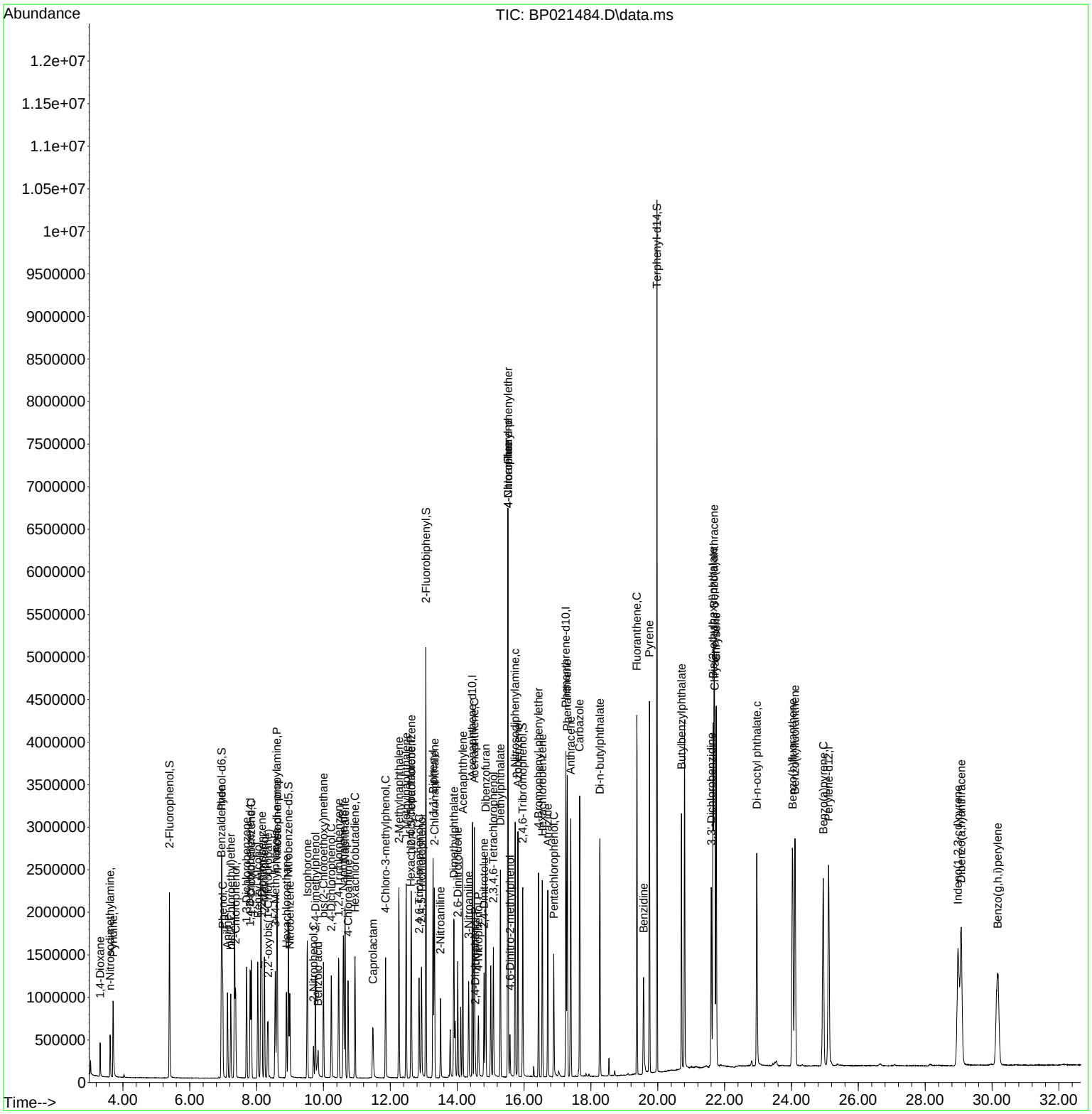
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021484.D
Acq On : 13 Aug 2024 14:42
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

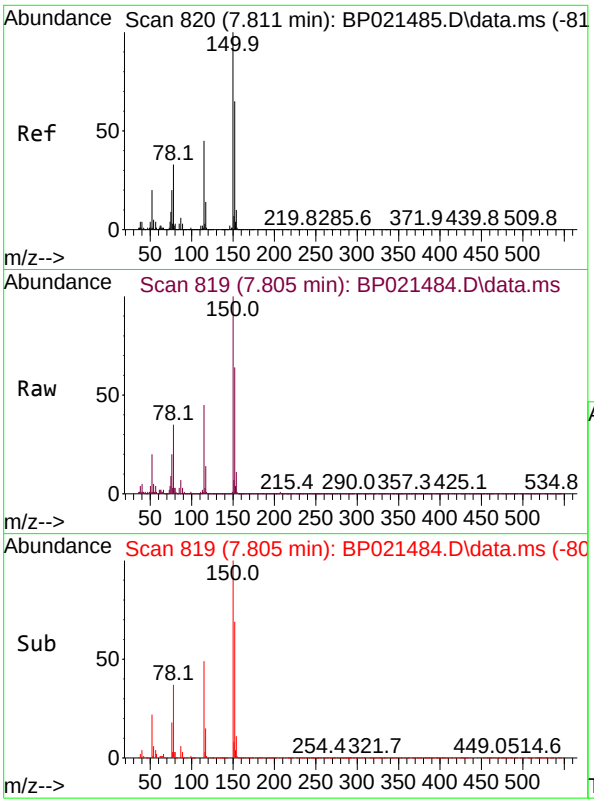
Quant Time: Aug 13 23:51:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

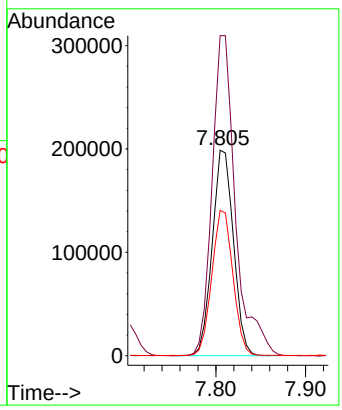




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:152 Resp: 32587

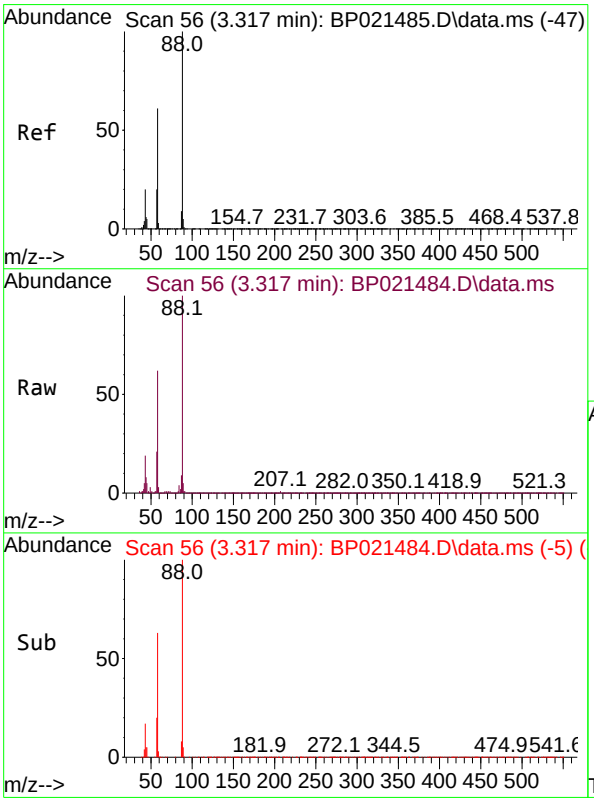
Ion	Ratio	Lower	Upper
152	100		
150	155.8	122.4	183.6
115	70.7	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

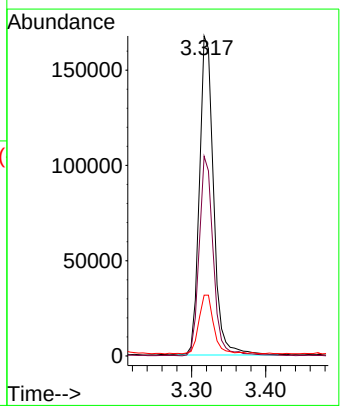
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

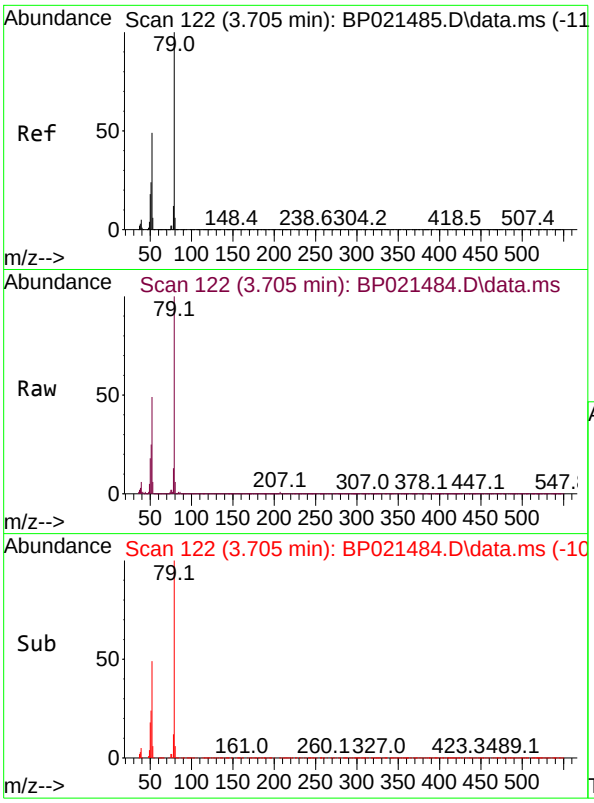


#2
1,4-Dioxane
Concen: 21.313 ng
RT: 3.317 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 88 Resp: 221781

Ion	Ratio	Lower	Upper
88	100		
58	62.4	48.7	73.1
43	19.4	15.4	23.2

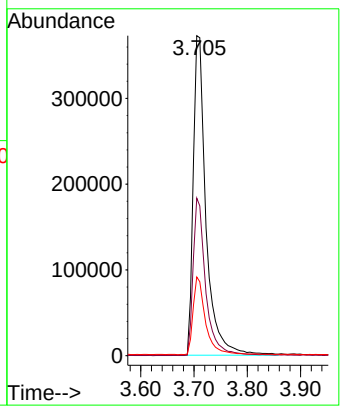




#3
Pyridine
Concen: 21.477 ng
RT: 3.705 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 79 Resp: 623899

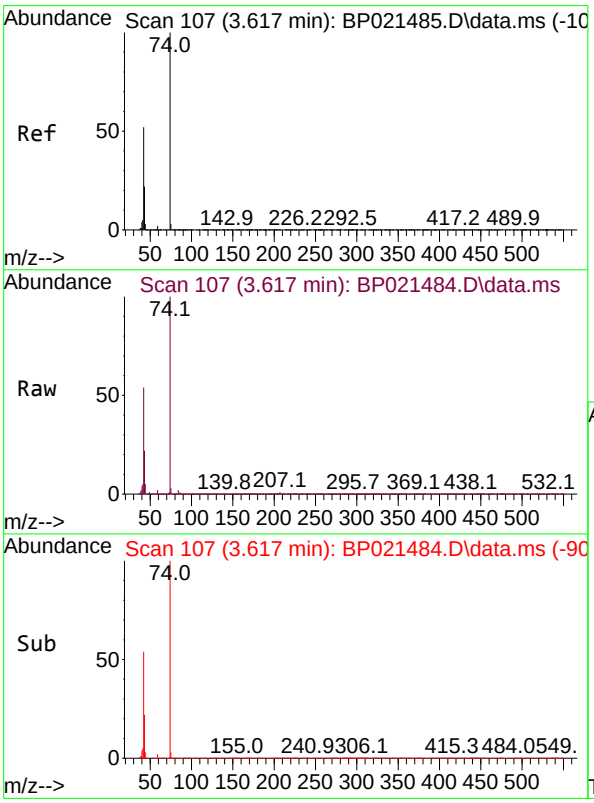
Ion	Ratio	Lower	Upper
79	100		
52	49.3	39.0	58.6
51	24.6	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

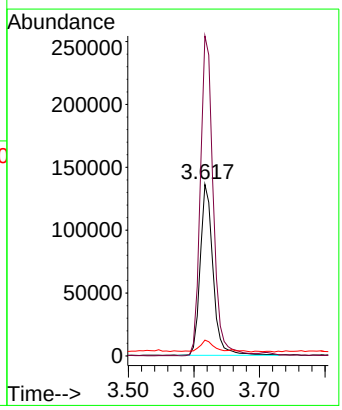
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

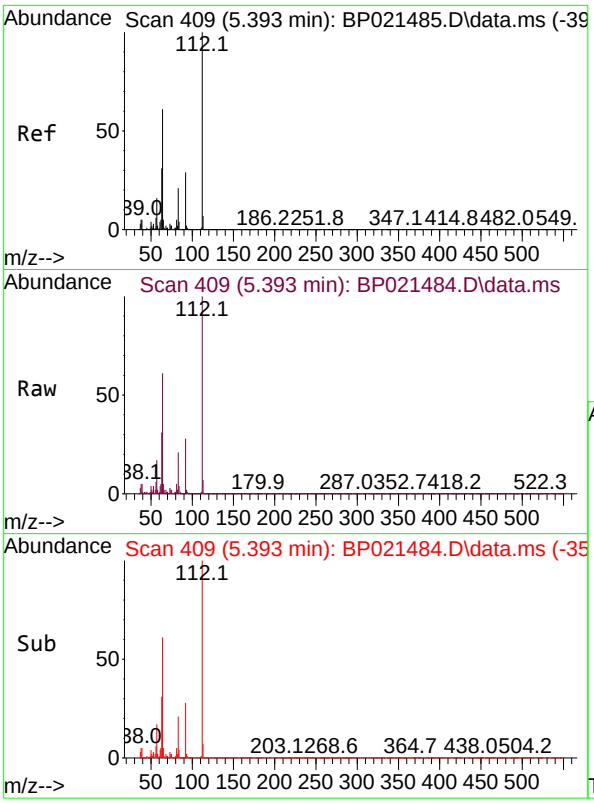


#4
n-Nitrosodimethylamine
Concen: 21.196 ng
RT: 3.617 min Scan# 107
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 42 Resp: 185073

Ion	Ratio	Lower	Upper
42	100		
74	186.5	154.3	231.5
44	9.2	6.2	9.4

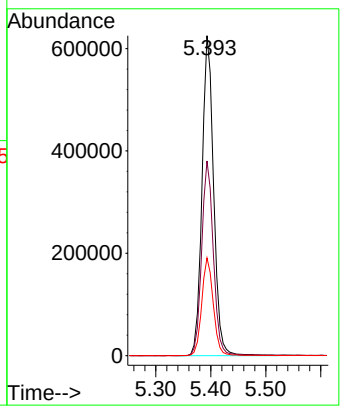




#5
2-Fluorophenol
Concen: 41.728 ng
RT: 5.393 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:112 Resp: 91577

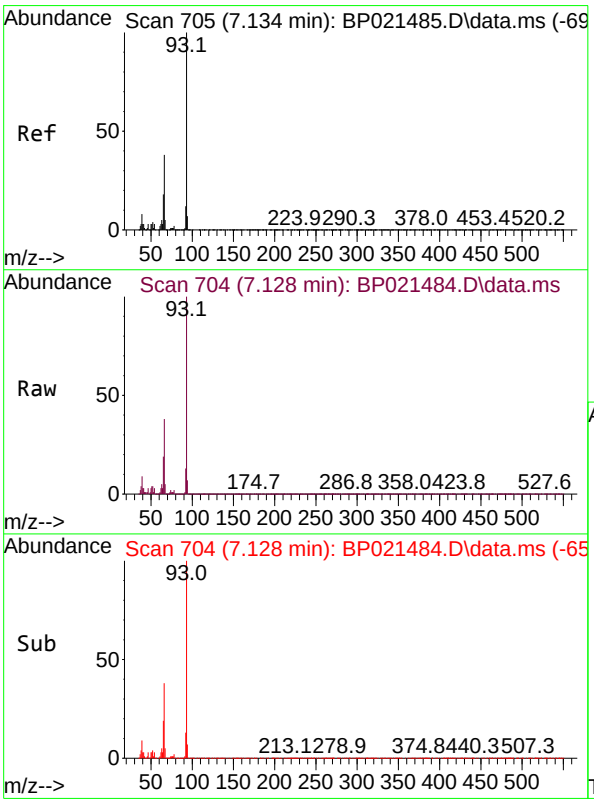
Ion	Ratio	Lower	Upper
112	100		
64	60.9	49.0	73.6
63	30.6	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

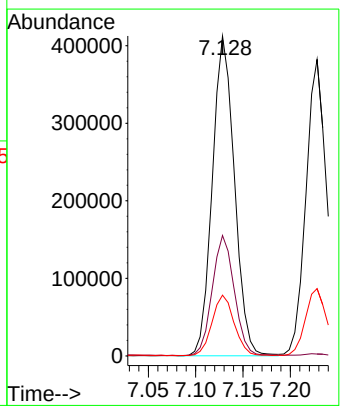
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

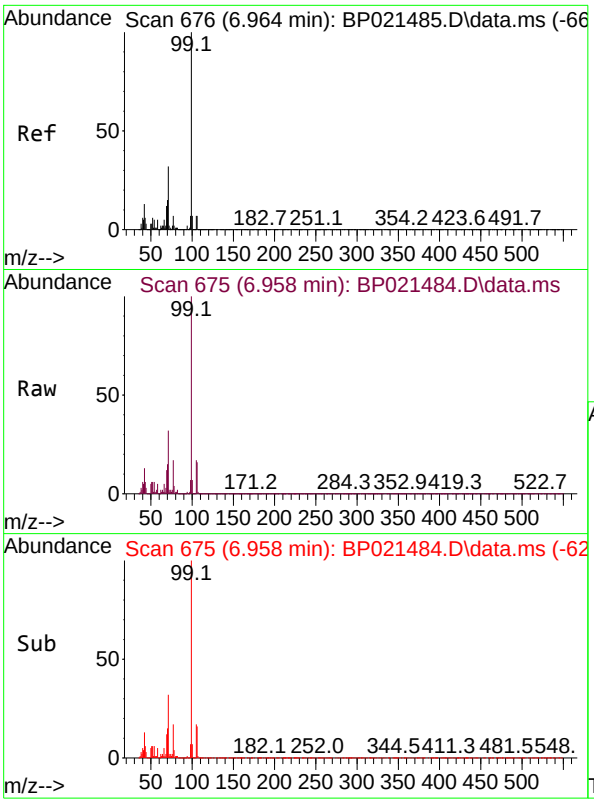


#6
Aniline
Concen: 20.906 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 93 Resp: 669123

Ion	Ratio	Lower	Upper
93	100		
66	37.6	30.2	45.2
65	19.0	14.7	22.1

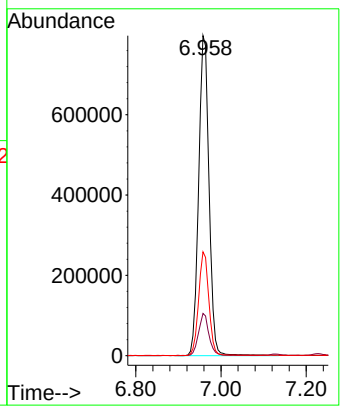




#7
Phenol-d6
Concen: 41.979 ng
RT: 6.958 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 99 Resp: 134395

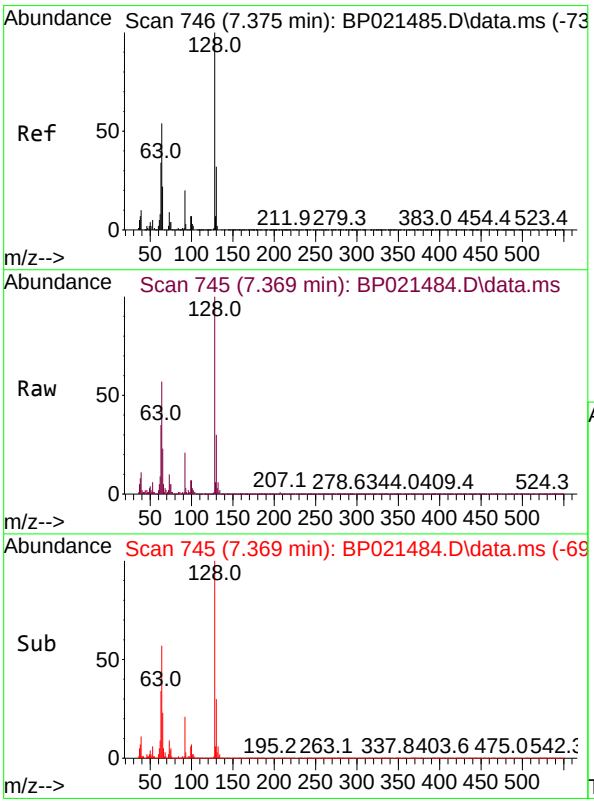
Ion	Ratio	Lower	Upper
99	100		
42	13.2	10.2	15.4
71	32.4	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

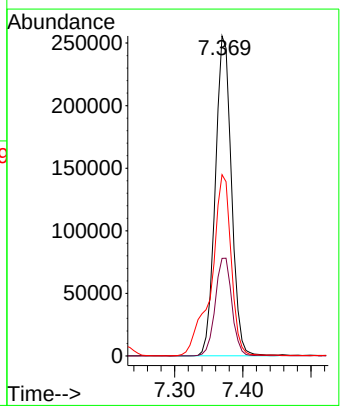
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

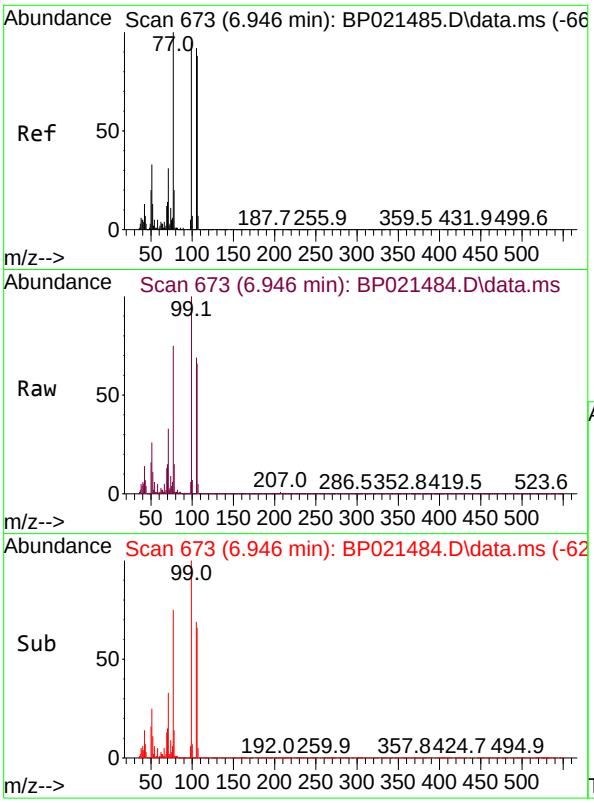


#8
2-Chlorophenol
Concen: 20.744 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:128 Resp: 420713

Ion	Ratio	Lower	Upper
128	100		
130	30.5	11.6	51.6
64	56.6	35.3	75.3

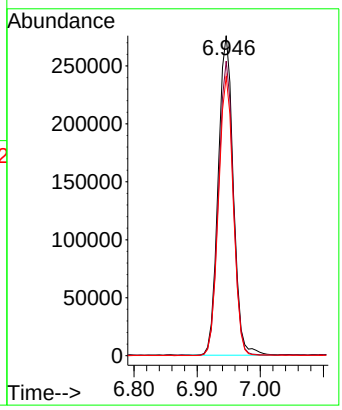




#9
Benzaldehyde
Concen: 22.400 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 77 Resp: 45916

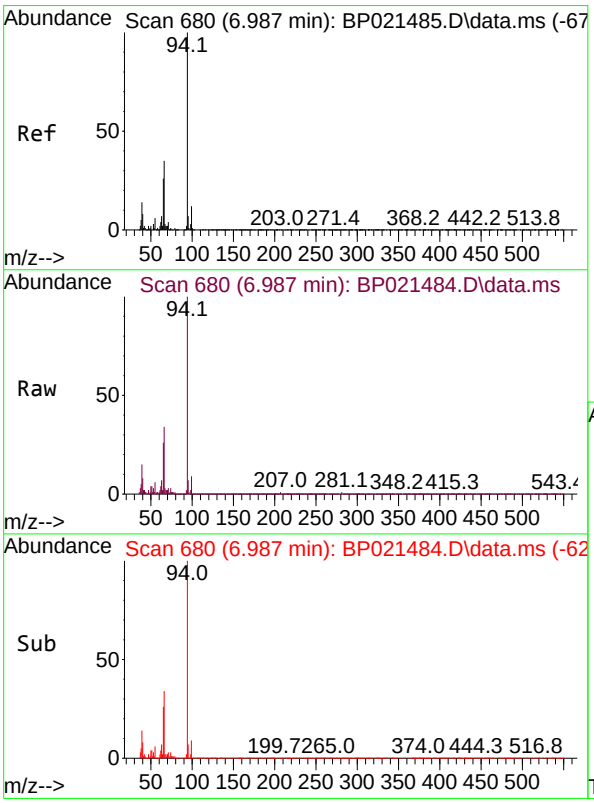
Ion	Ratio	Lower	Upper
77	100		
105	92.1	72.1	112.1
106	87.3	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

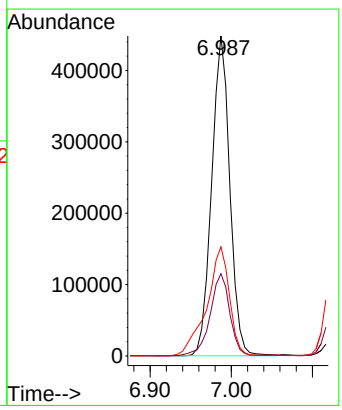
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

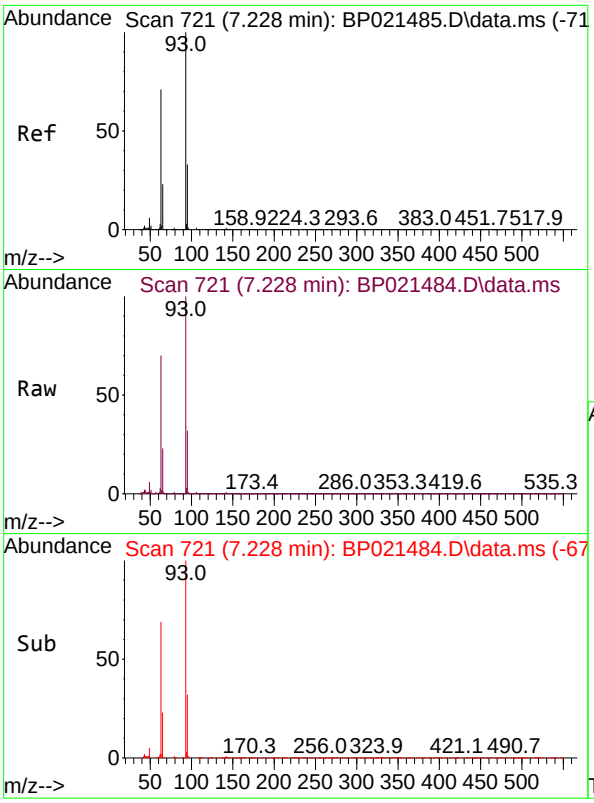


#10
Phenol
Concen: 21.019 ng
RT: 6.987 min Scan# 680
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 94 Resp: 696832

Ion	Ratio	Lower	Upper
94	100		
65	25.7	6.5	46.5
66	34.1	14.7	54.7

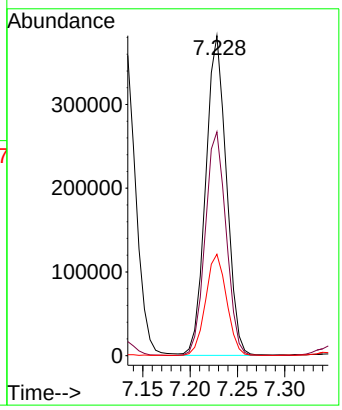




#11
bis(2-Chloroethyl)ether
Concen: 20.753 ng
RT: 7.228 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 93 Resp: 58217

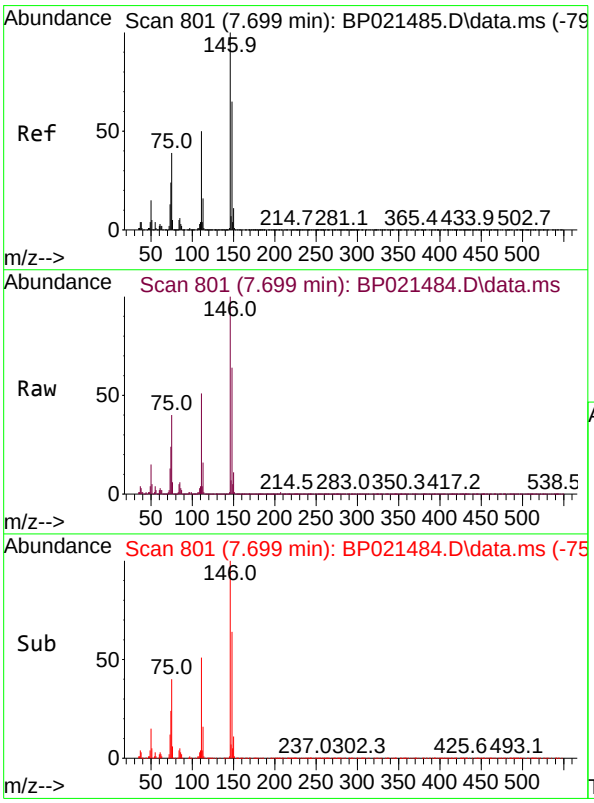
Ion	Ratio	Lower	Upper
93	100		
63	69.9	51.0	91.0
95	31.7	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

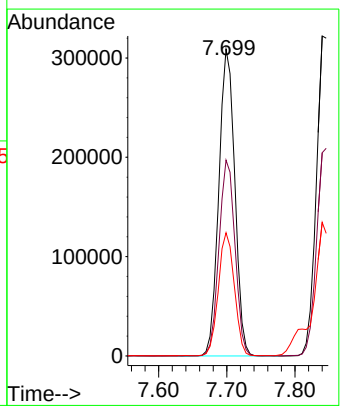
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

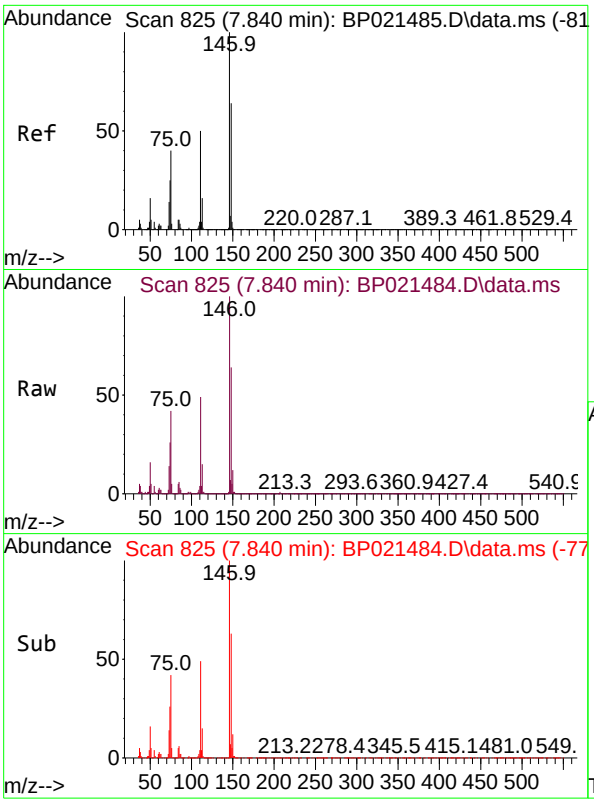


#12
1,3-Dichlorobenzene
Concen: 20.912 ng
RT: 7.699 min Scan# 801
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:146 Resp: 503772

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.8	77.6
75	40.2	31.3	46.9

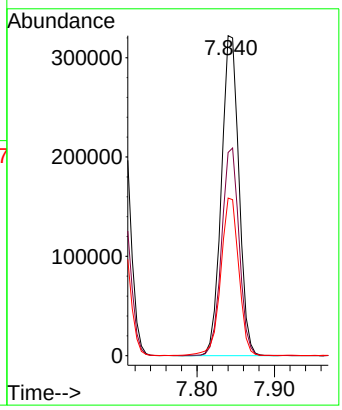




#13
1,4-Dichlorobenzene
Concen: 20.804 ng
RT: 7.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:146 Resp: 50607

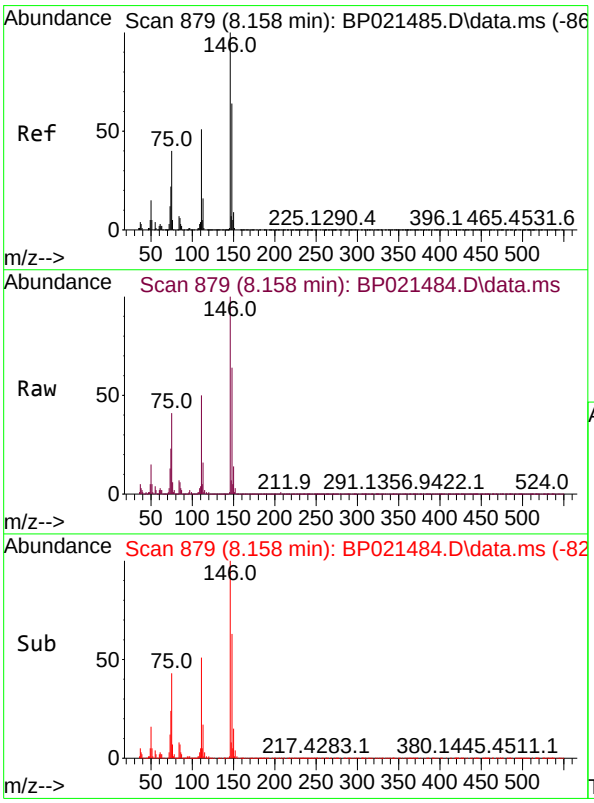
Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.5	77.3
111	49.3	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

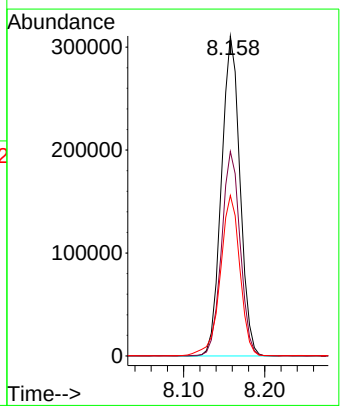
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

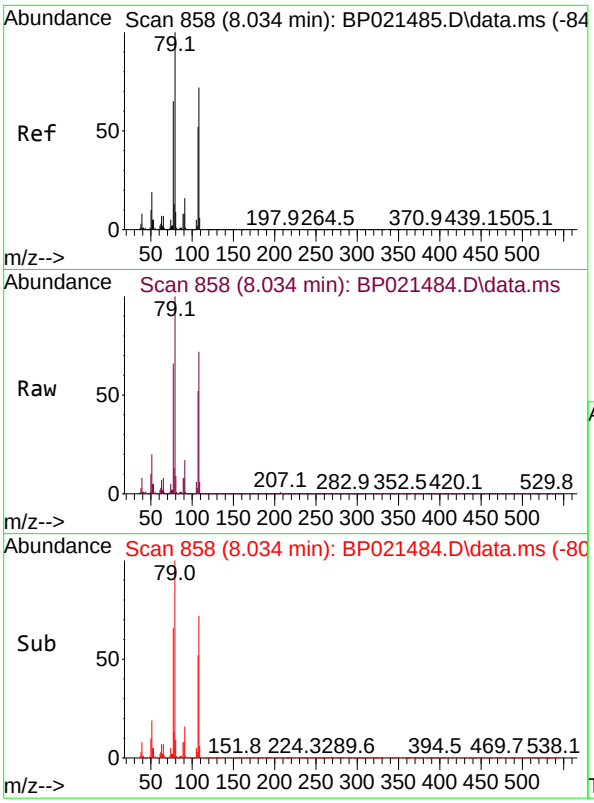


#14
1,2-Dichlorobenzene
Concen: 21.038 ng
RT: 8.158 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:146 Resp: 493188

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.5	77.3
111	50.1	41.1	61.7





#15
Benzyl Alcohol
Concen: 20.912 ng
RT: 8.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

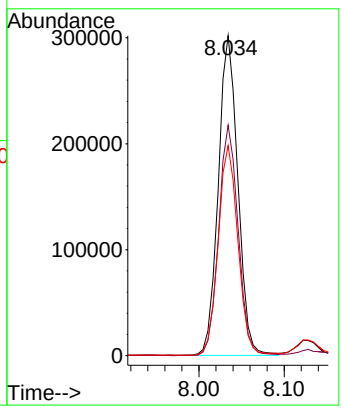
Tgt Ion: 79 Resp: 48036

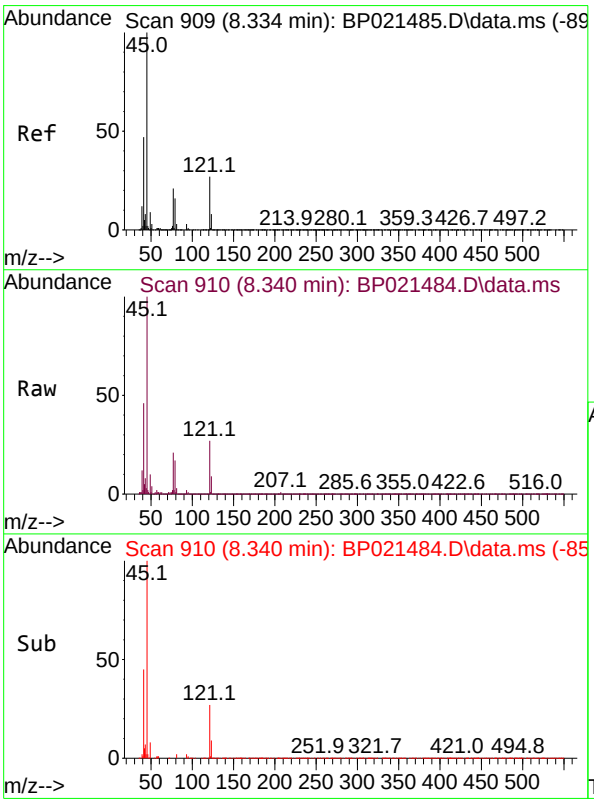
Ion	Ratio	Lower	Upper
79	100		
108	72.0	57.9	86.9
77	65.7	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

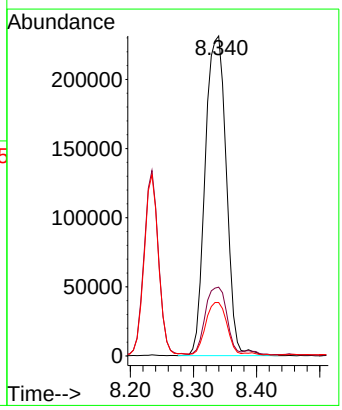


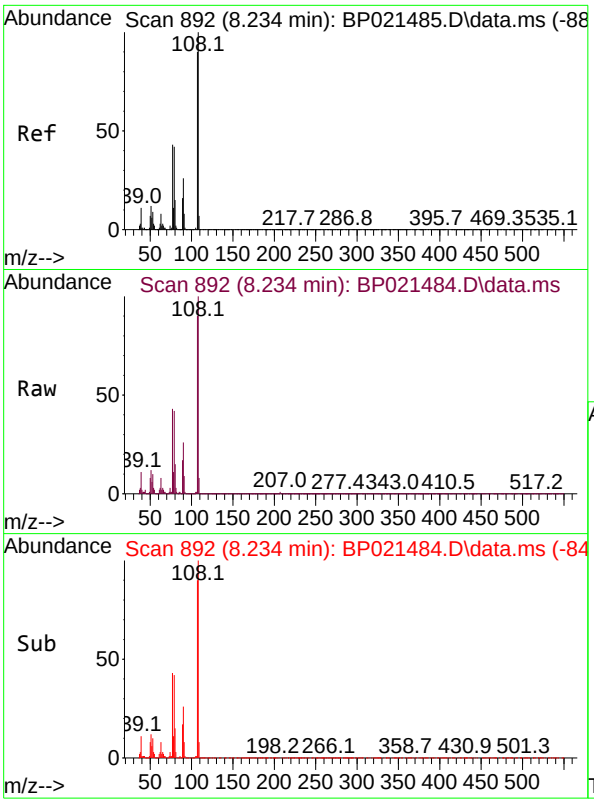


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.717 ng
RT: 8.340 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 45 Resp: 535190

Ion	Ratio	Lower	Upper
45	100		
77	21.5	1.9	41.9
79	16.7	0.0	36.6

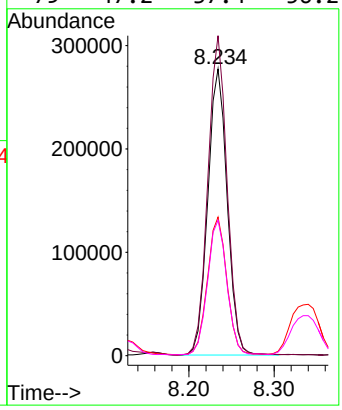




#17
2-Methylphenol
Concen: 20.986 ng
RT: 8.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:107 Resp: 43984

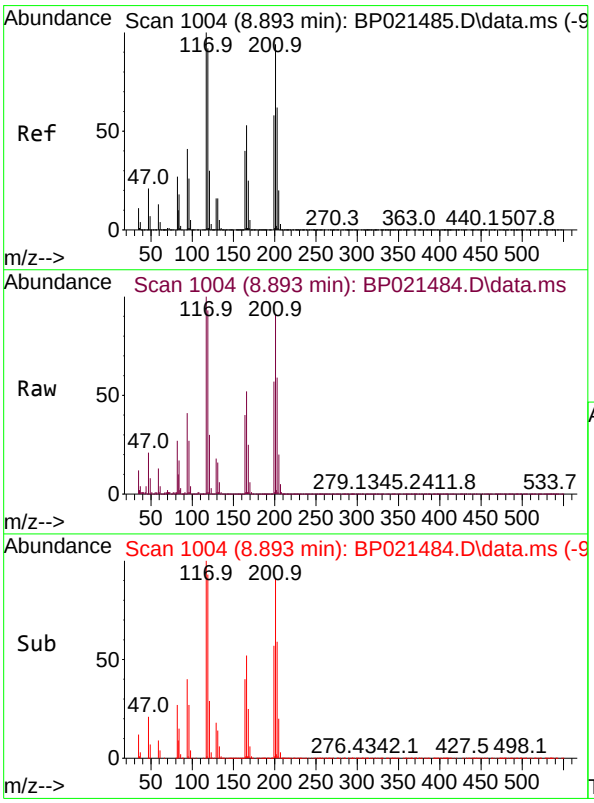
Ion	Ratio	Lower	Upper
107	100		
108	111.6	88.8	133.2
77	48.4	38.7	58.1
79	47.2	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

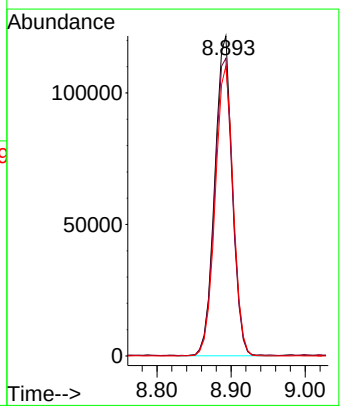
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

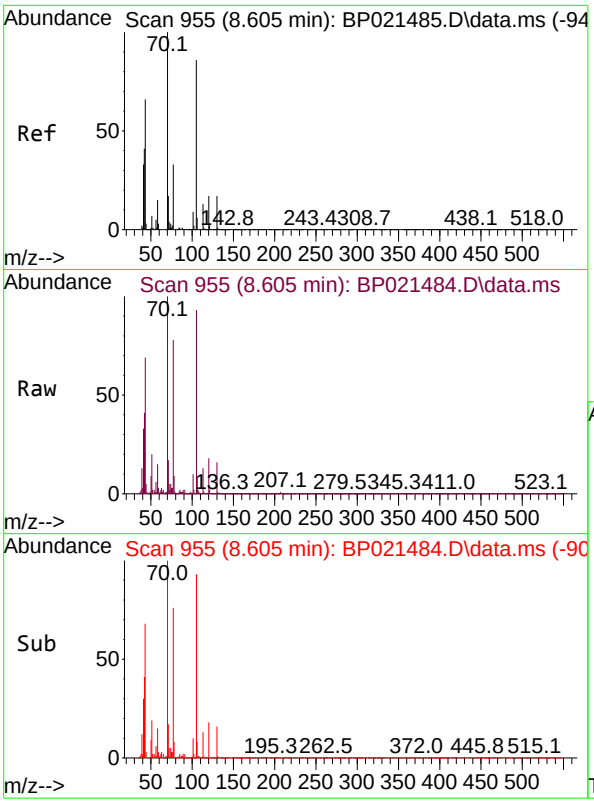


#18
Hexachloroethane
Concen: 20.608 ng
RT: 8.893 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:117 Resp: 201027

Ion	Ratio	Lower	Upper
117	100		
119	93.0	73.9	110.9
201	90.6	74.9	112.3

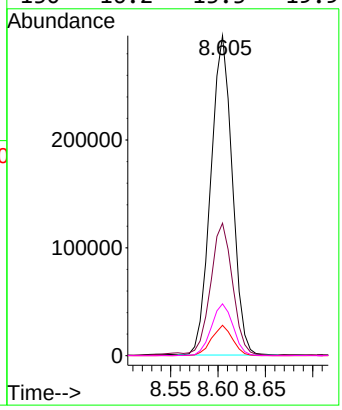




#19
n-Nitroso-di-n-propylamine
Concen: 21.121 ng
RT: 8.605 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 70 Resp: 46708

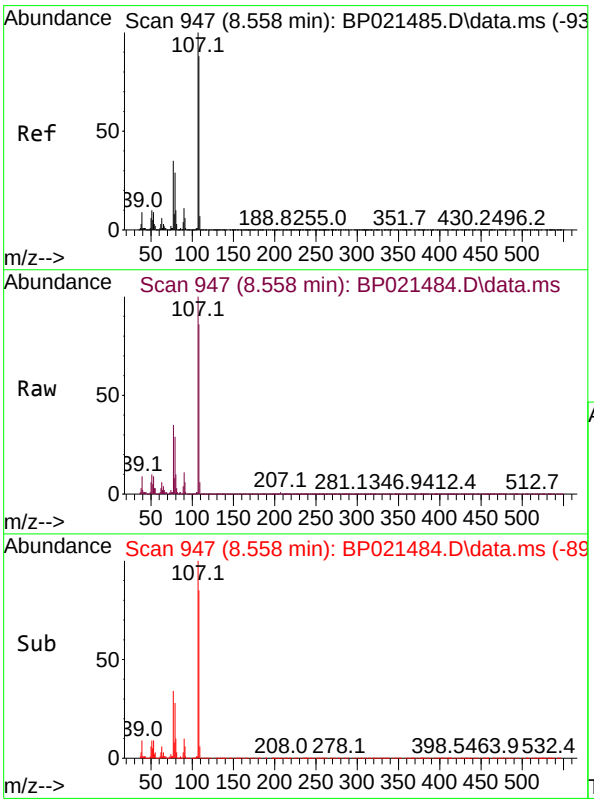
Ion	Ratio	Lower	Upper
70	100		
42	41.4	33.1	49.7
101	9.5	7.4	11.2
130	16.2	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

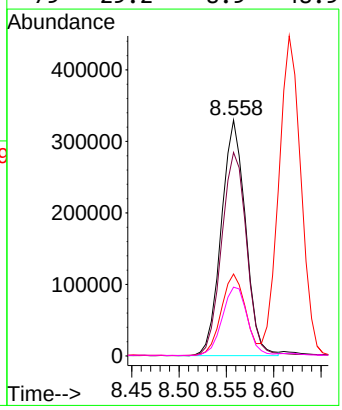
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

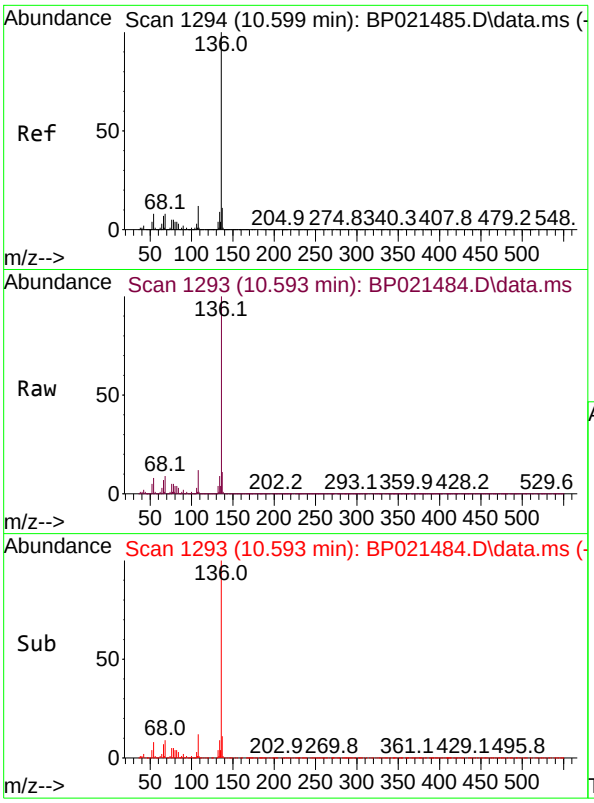


#20
3+4-Methylphenols
Concen: 20.695 ng
RT: 8.558 min Scan# 947
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:107 Resp: 584839

Ion	Ratio	Lower	Upper
107	100		
108	86.3	67.6	107.6
77	34.7	15.0	55.0
79	29.2	8.9	48.9

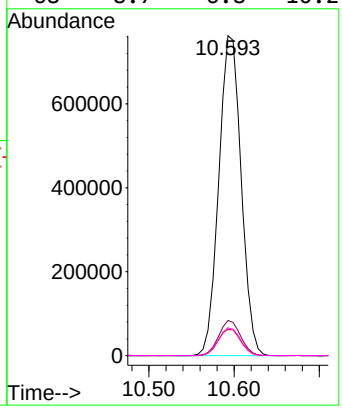




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:136 Resp: 139058

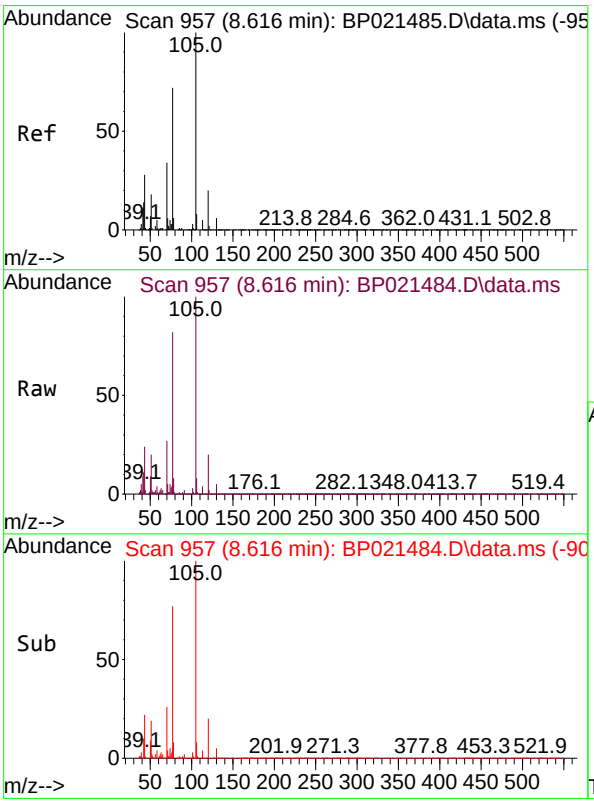
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.2	6.3	9.5
68	8.7	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

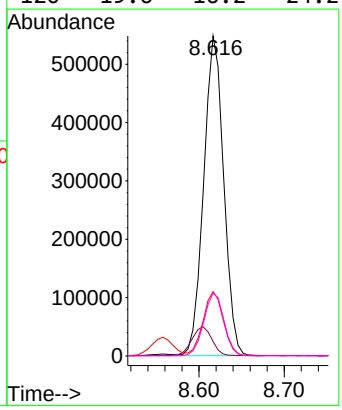
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

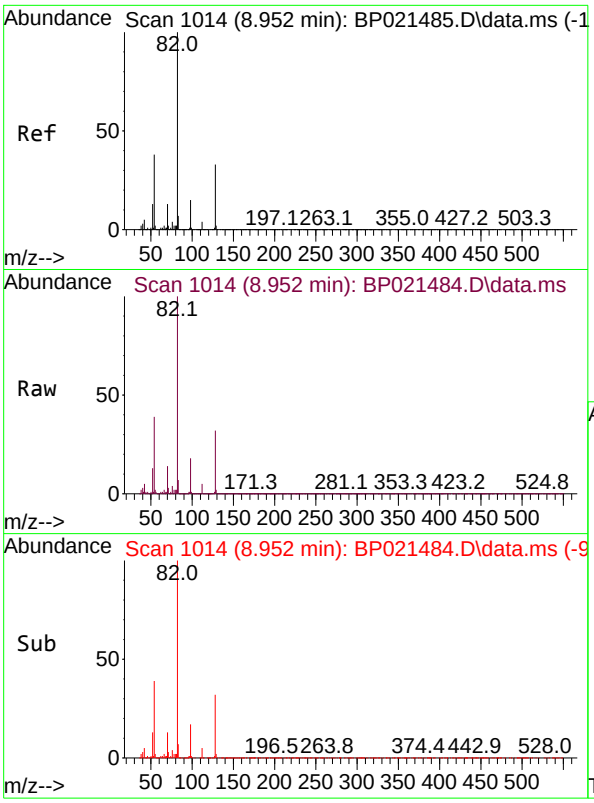


#22
Acetophenone
Concen: 20.919 ng
RT: 8.616 min Scan# 957
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:105 Resp: 893676

Ion	Ratio	Lower	Upper
105	100		
71	4.6	4.6	7.0#
51	20.1	16.3	24.5
120	19.6	16.2	24.2





#23
Nitrobenzene-d5
Concen: 39.857 ng
RT: 8.952 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

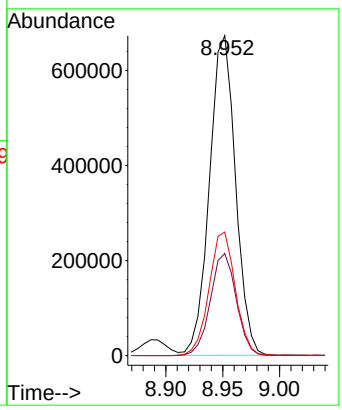
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

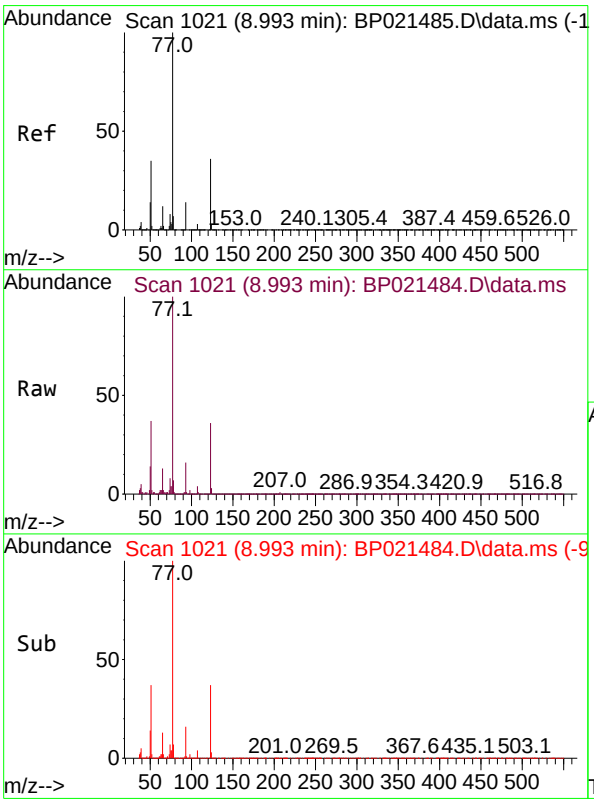
Tgt Ion: 82 Resp: 107382

Ion	Ratio	Lower	Upper
82	100		
128	31.9	26.5	39.7
54	38.7	30.3	45.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

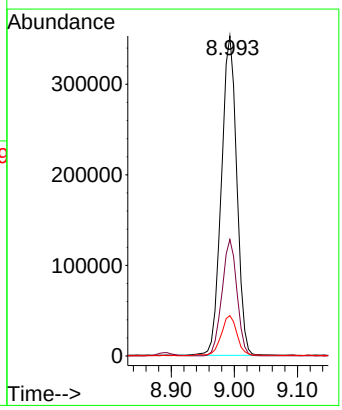


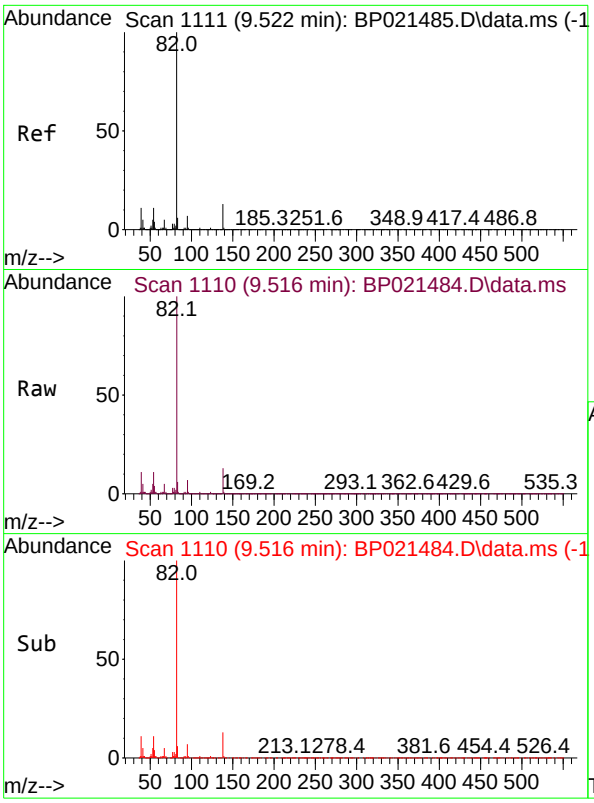


#24
Nitrobenzene
Concen: 20.430 ng
RT: 8.993 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 77 Resp: 597794

Ion	Ratio	Lower	Upper
77	100		
123	36.4	29.5	44.3
65	12.6	9.9	14.9

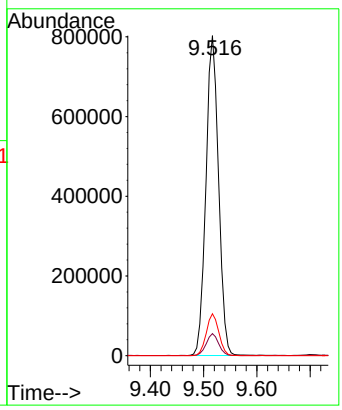




#25
Isophorone
Concen: 20.781 ng
RT: 9.516 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 82 Resp: 132265

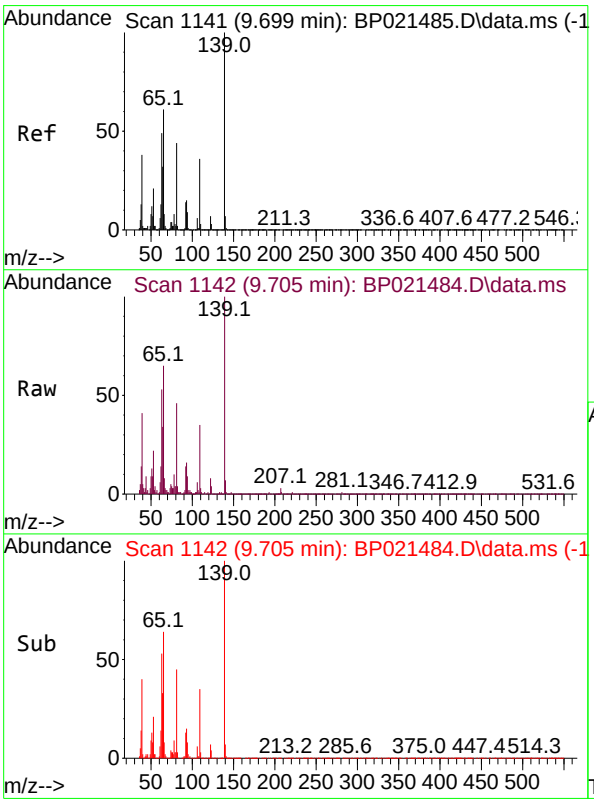
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.2
138	13.1	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

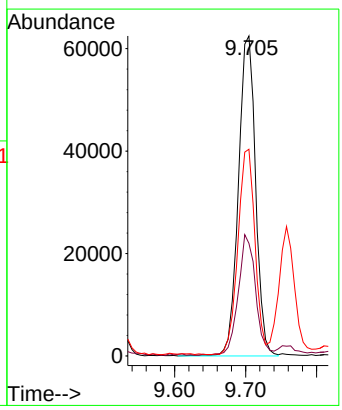
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

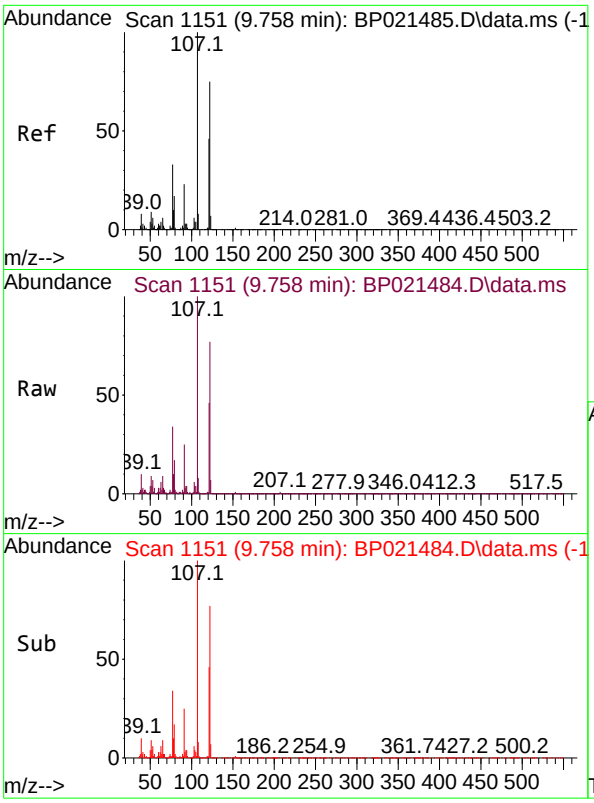


#26
2-Nitrophenol
Concen: 20.765 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:139 Resp: 105219

Ion	Ratio	Lower	Upper
139	100		
109	35.2	28.9	43.3
65	64.6	49.0	73.6

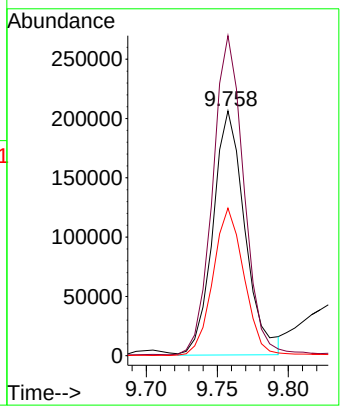




#27
2,4-Dimethylphenol
Concen: 20.541 ng
RT: 9.758 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:122 Resp: 32264

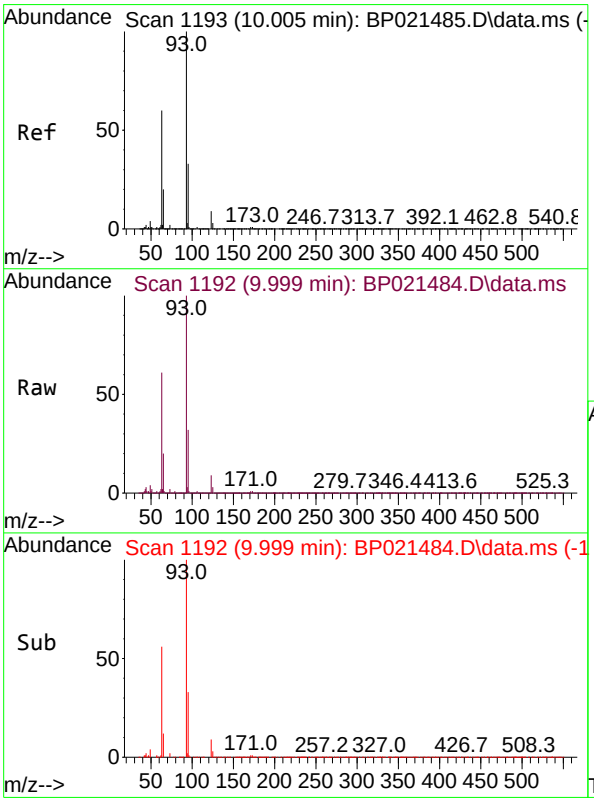
Ion	Ratio	Lower	Upper
122	100		
107	130.7	106.2	159.4
121	60.3	48.8	73.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

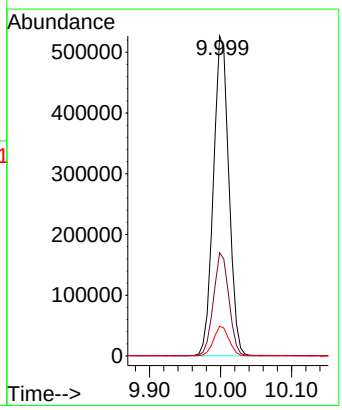
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

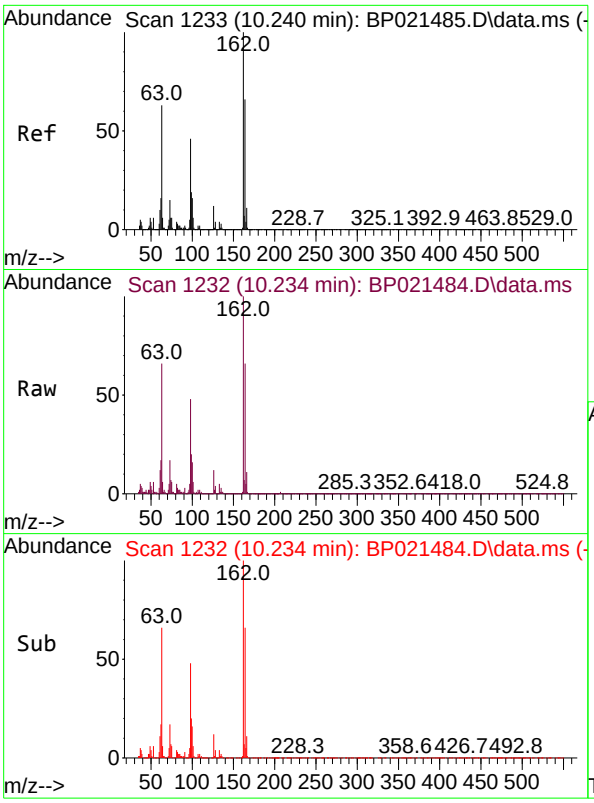


#28
bis(2-Chloroethoxy)methane
Concen: 20.473 ng
RT: 9.999 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 93 Resp: 795422

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.4
123	9.2	7.6	11.4

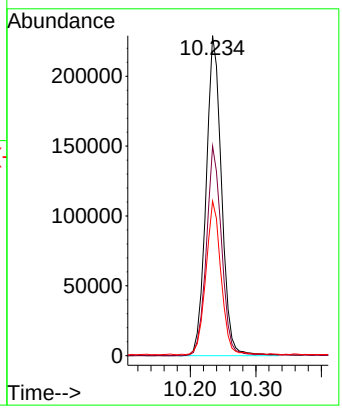




#29
2,4-Dichlorophenol
Concen: 20.213 ng
RT: 10.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:162 Resp: 37513

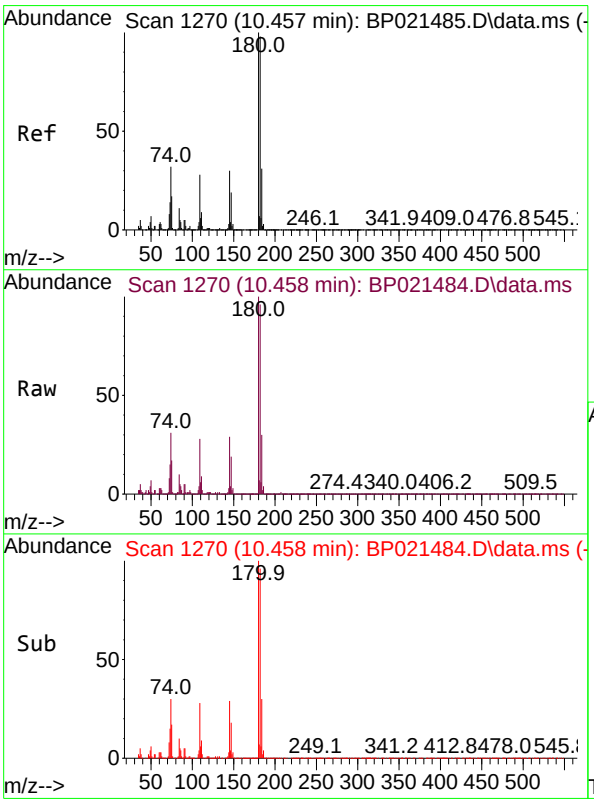
Ion	Ratio	Lower	Upper
162	100		
164	65.5	45.9	85.9
98	48.3	26.3	66.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

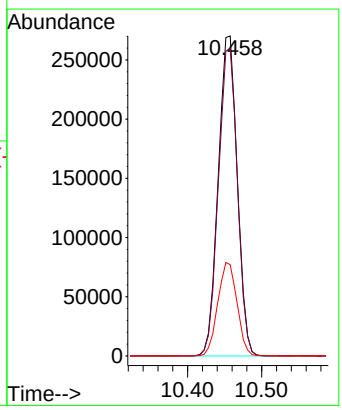
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

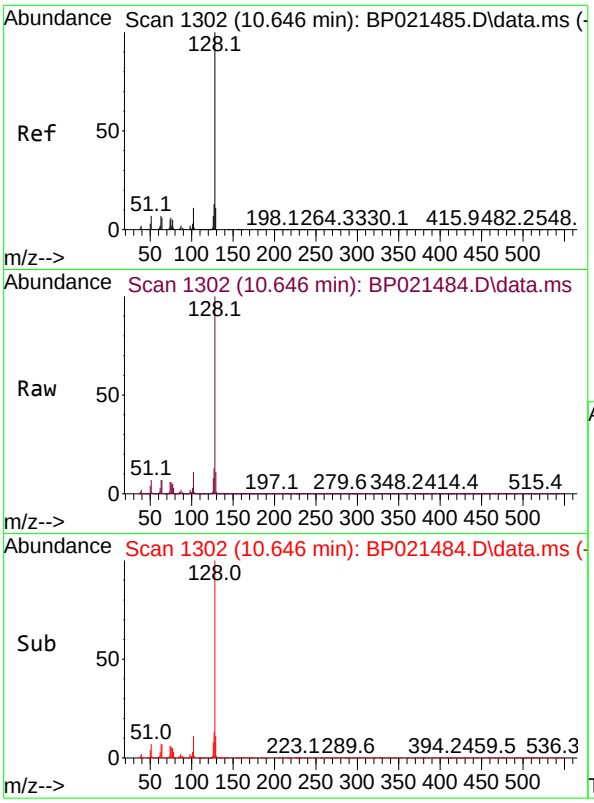


#30
1,2,4-Trichlorobenzene
Concen: 20.265 ng
RT: 10.458 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:180 Resp: 482172

Ion	Ratio	Lower	Upper
180	100		
182	96.0	78.3	117.5
145	28.6	24.0	36.0

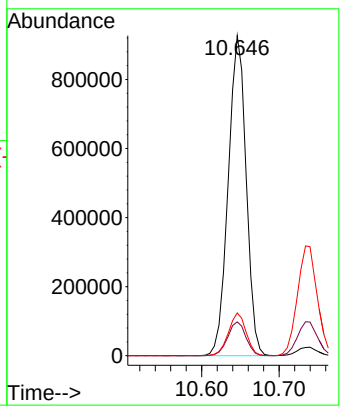




#31
Naphthalene
Concen: 20.550 ng
RT: 10.646 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:128 Resp: 149287

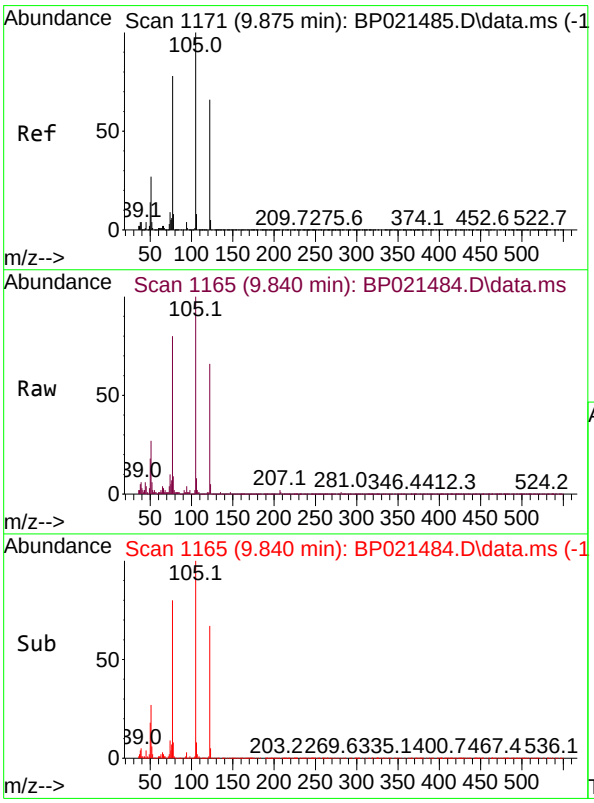
Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	12.8
127	13.3	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

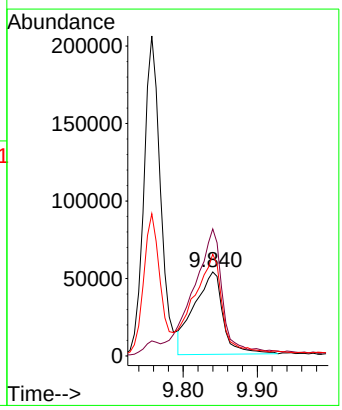
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

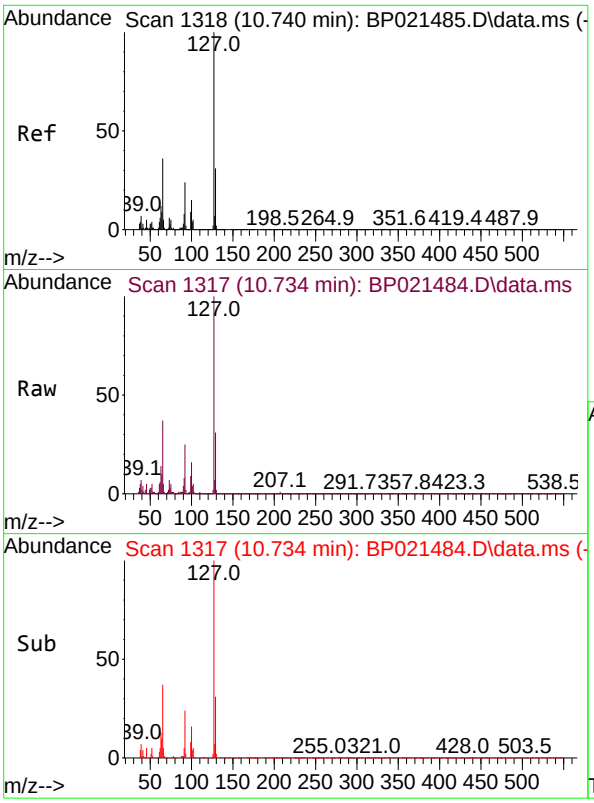


#32
Benzoic acid
Concen: 19.969 ng
RT: 9.840 min Scan# 1165
Delta R.T. -0.035 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:122 Resp: 144329

Ion	Ratio	Lower	Upper
122	100		
105	151.1	124.6	164.6
77	121.0	96.2	136.2

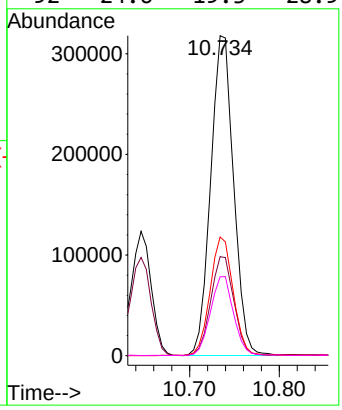




#33
4-Chloroaniline
Concen: 20.675 ng
RT: 10.734 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:127 Resp: 56417

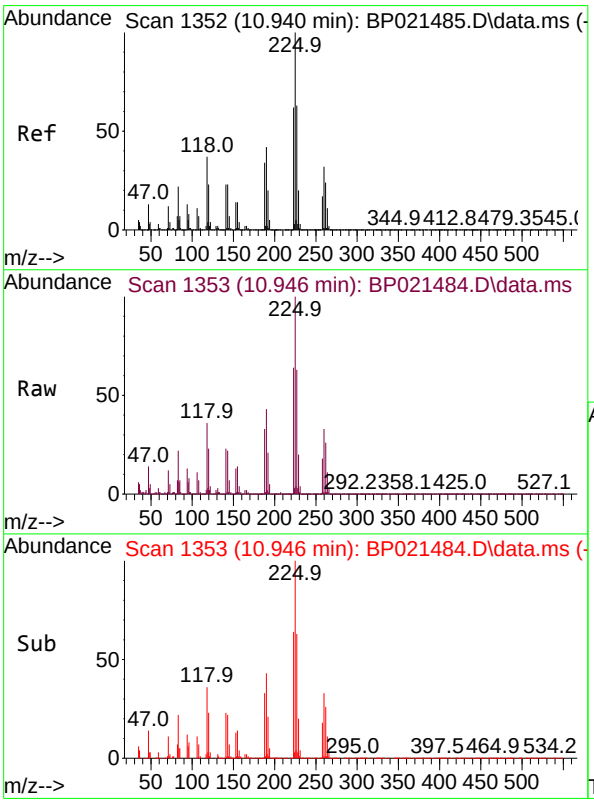
Ion	Ratio	Lower	Upper
127	100		
129	31.0	24.5	36.7
65	37.1	28.9	43.3
92	24.6	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

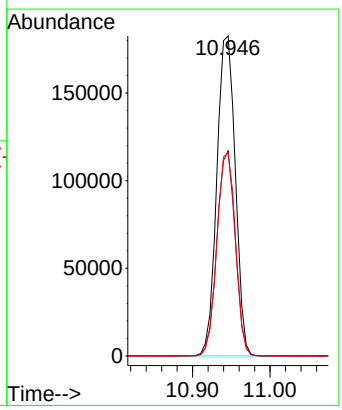
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

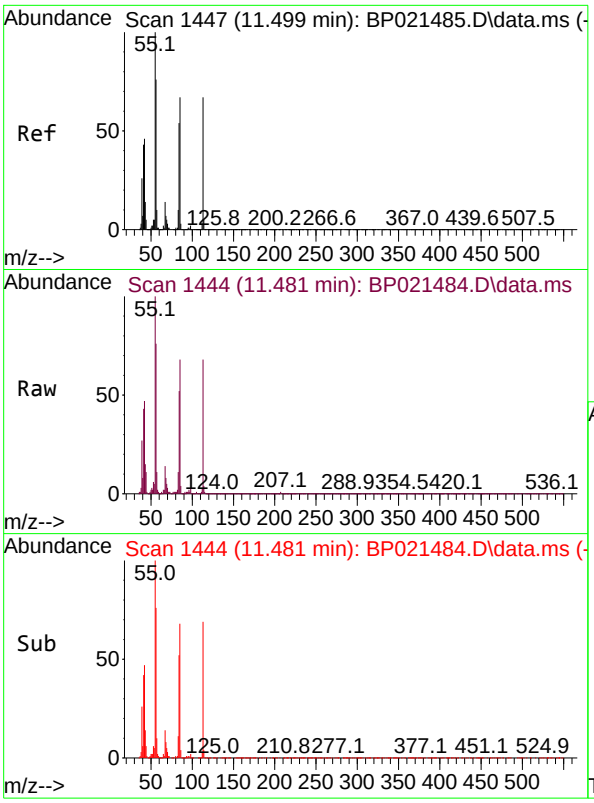


#34
Hexachlorobutadiene
Concen: 20.189 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:225 Resp: 302459

Ion	Ratio	Lower	Upper
225	100		
223	64.1	49.6	74.4
227	63.4	50.1	75.1





#35
Caprolactam
Concen: 21.189 ng
RT: 11.481 min Scan# 14
Delta R.T. -0.018 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

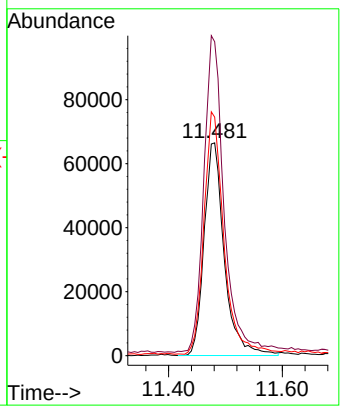
Tgt Ion:113 Resp: 16366

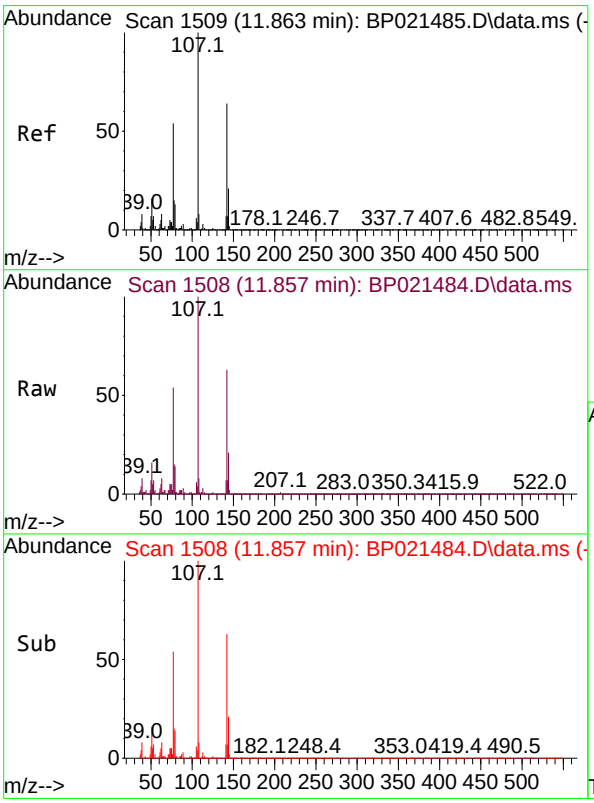
Ion	Ratio	Lower	Upper
113	100		
55	147.5	130.6	170.6
56	112.1	94.6	134.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

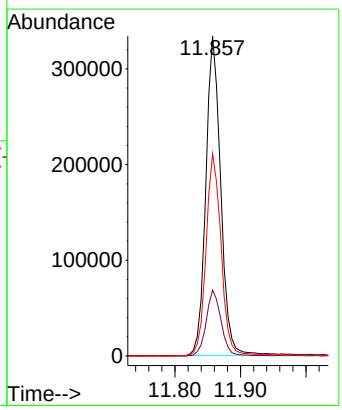


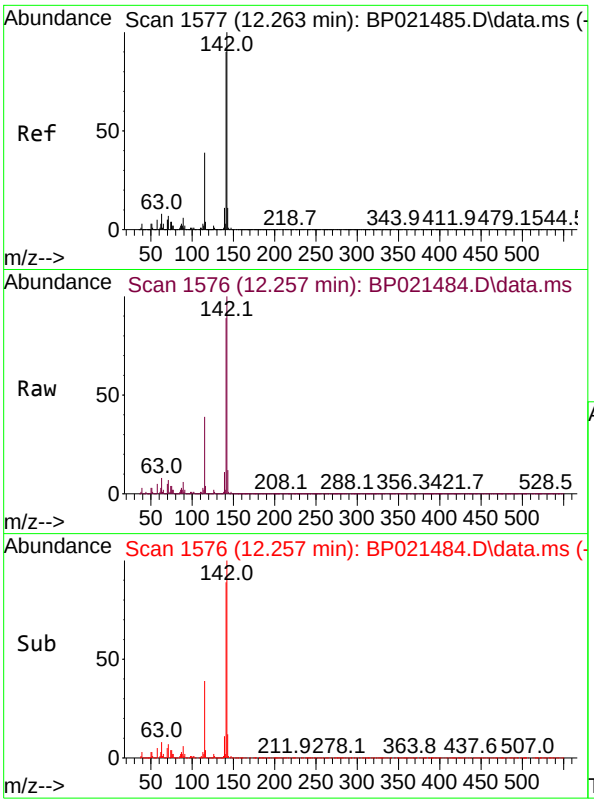


#36
4-Chloro-3-methylphenol
Concen: 20.628 ng
RT: 11.857 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:107 Resp: 531060

Ion	Ratio	Lower	Upper
107	100		
144	20.6	16.6	24.8
142	63.2	51.0	76.4

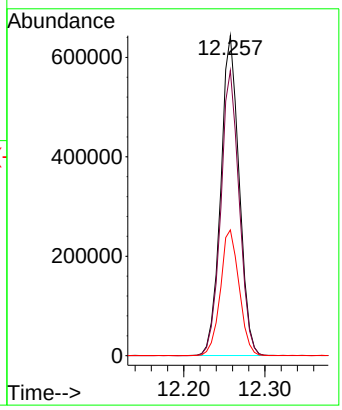




#37
2-Methylnaphthalene
Concen: 20.478 ng
RT: 12.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:142 Resp: 101527

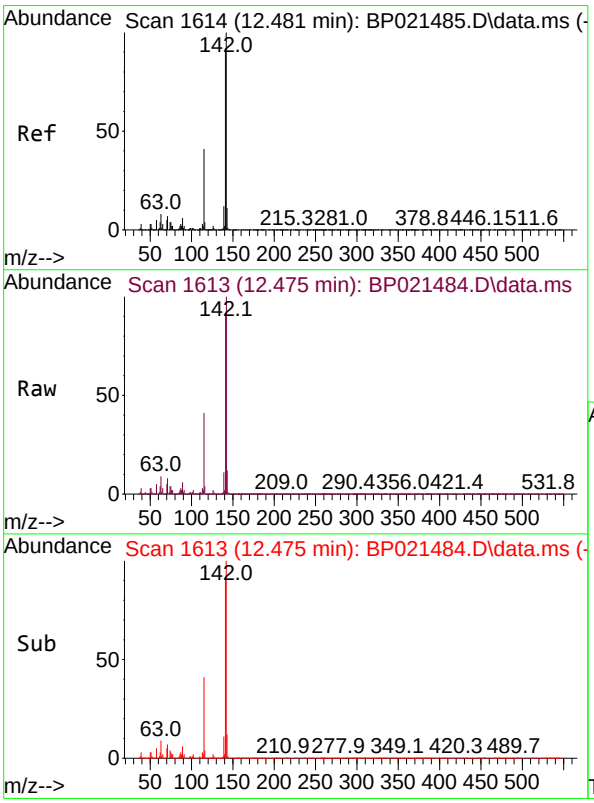
Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.7	107.5
115	39.3	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

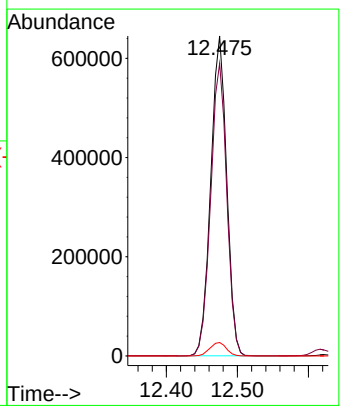
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

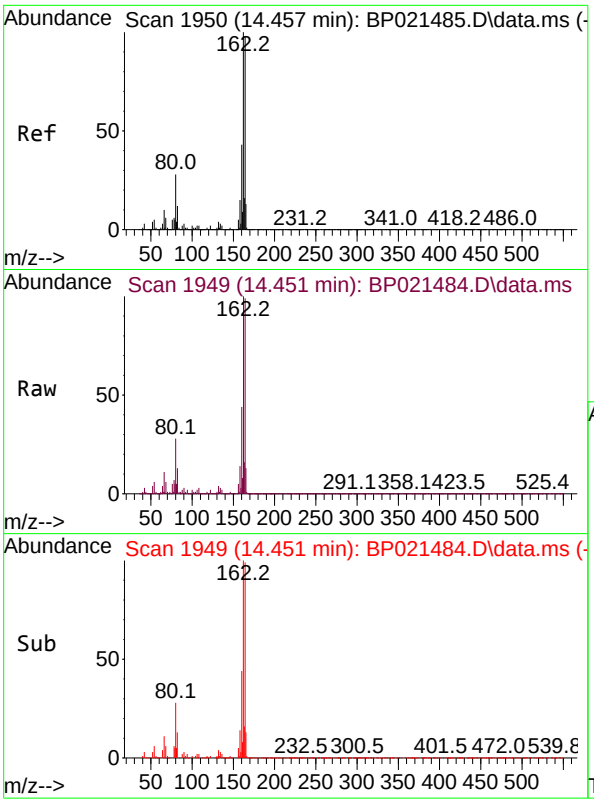


#38
1-Methylnaphthalene
Concen: 20.619 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:142 Resp: 1008222

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.5	110.3
116	4.2	3.4	5.2

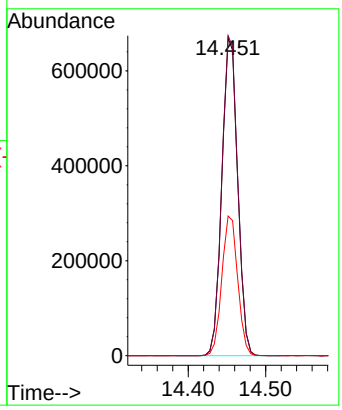




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:164 Resp: 94794

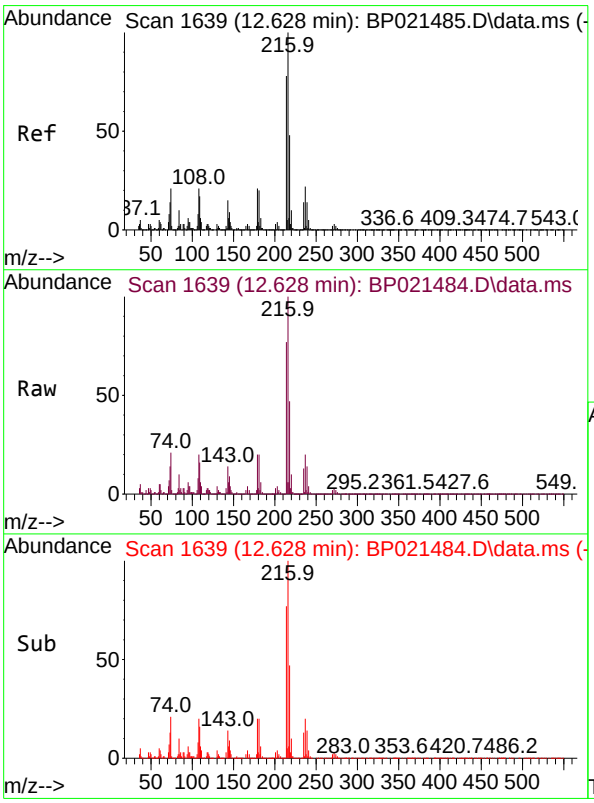
Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.5	122.3
160	44.0	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

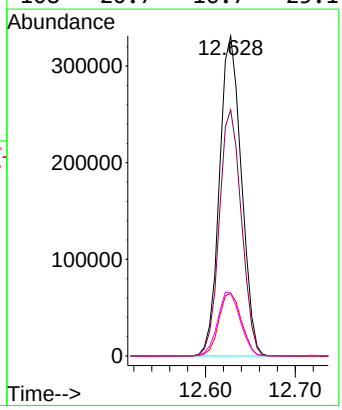
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

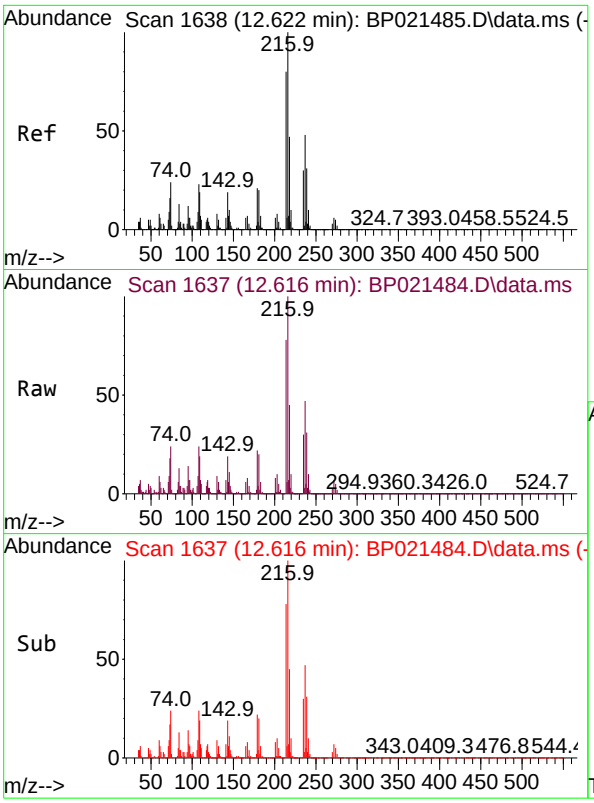


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.209 ng
RT: 12.628 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:216 Resp: 561317

Ion	Ratio	Lower	Upper
216	100		
214	77.4	62.5	93.7
179	20.2	16.4	24.6
108	20.7	16.7	25.1

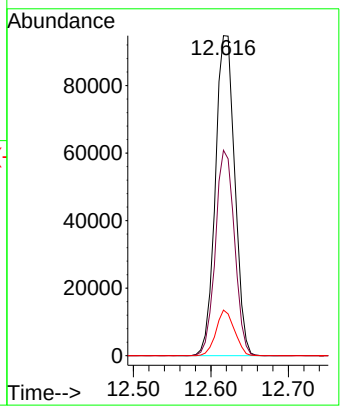




#41
Hexachlorocyclopentadiene
Concen: 18.709 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:237 Resp: 16469

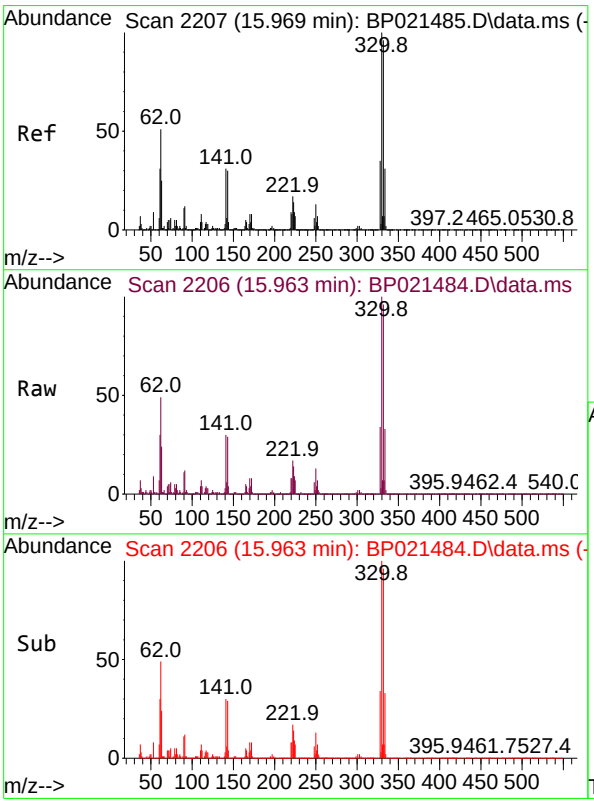
Ion	Ratio	Lower	Upper
237	100		
235	64.2	43.9	83.9
272	14.2	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

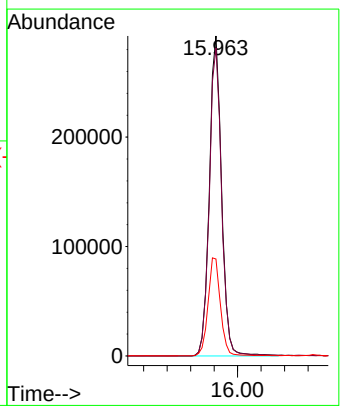
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

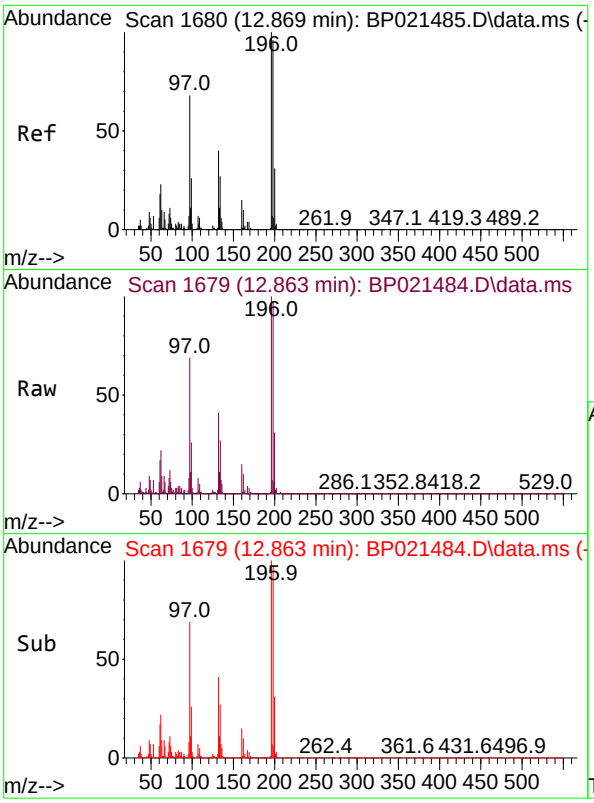


#42
2,4,6-Tribromophenol
Concen: 39.955 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:330 Resp: 421534

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.4	116.0
141	31.2	24.5	36.7

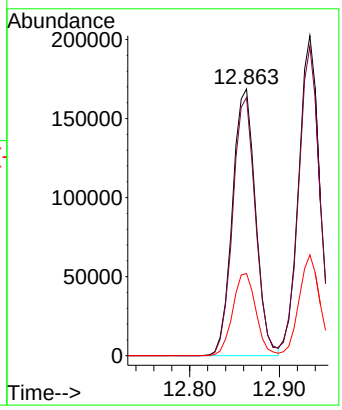




#43
2,4,6-Trichlorophenol
Concen: 19.562 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:196 Resp: 30182

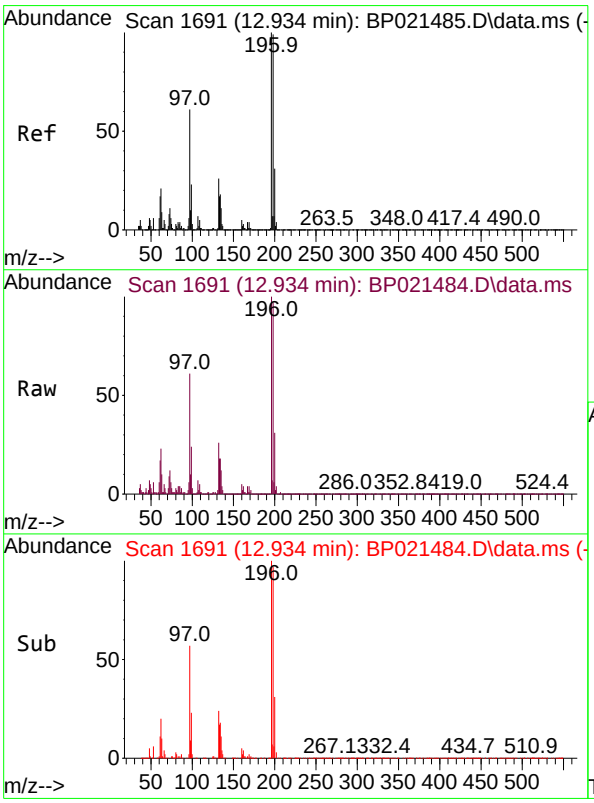
Ion	Ratio	Lower	Upper
196	100		
198	96.8	76.6	114.8
200	30.8	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

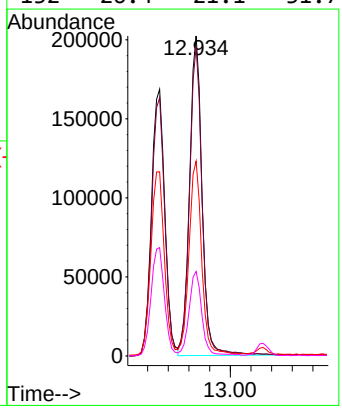
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

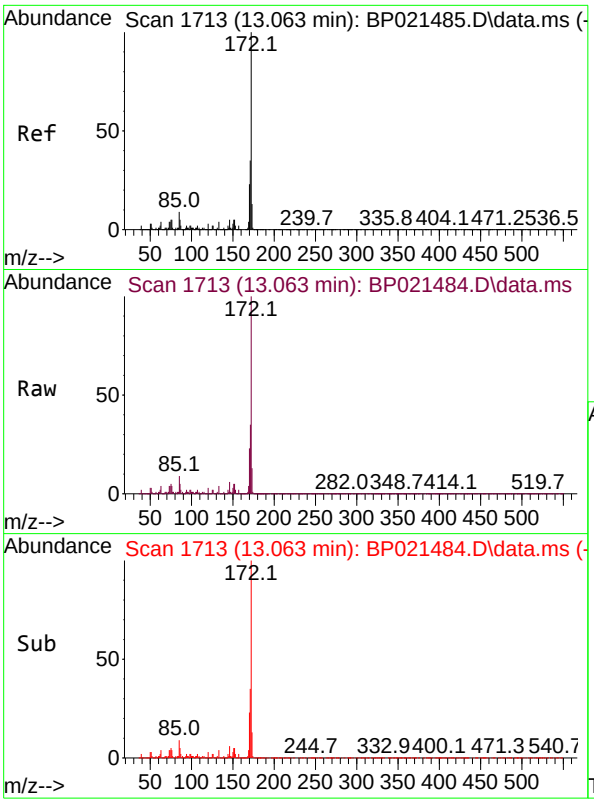


#44
2,4,5-Trichlorophenol
Concen: 19.897 ng
RT: 12.934 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:196 Resp: 341066

Ion	Ratio	Lower	Upper
196	100		
198	96.7	78.9	118.3
97	60.8	49.4	74.0
132	26.4	21.1	31.7

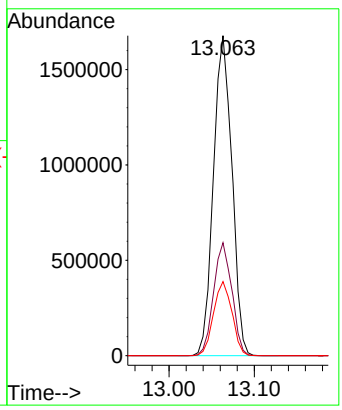




#45
2-Fluorobiphenyl
Concen: 40.758 ng
RT: 13.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:172 Resp: 253160

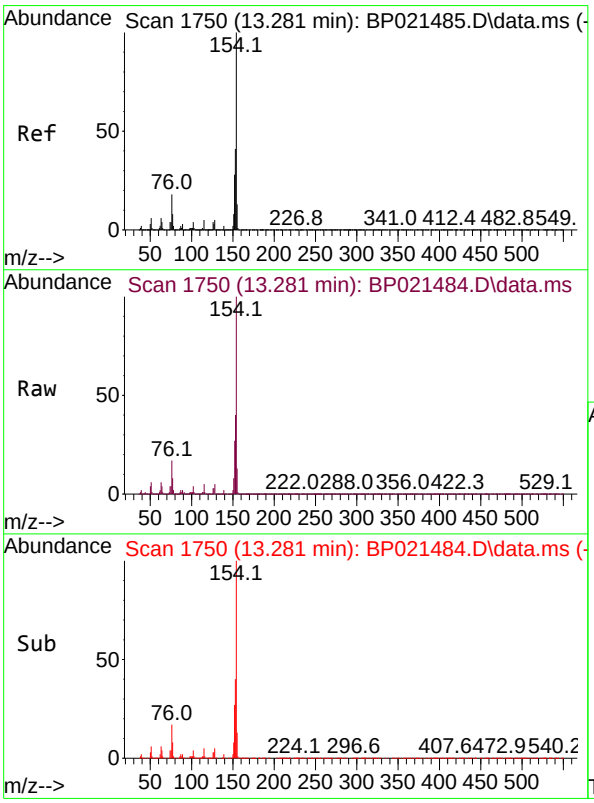
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.1	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

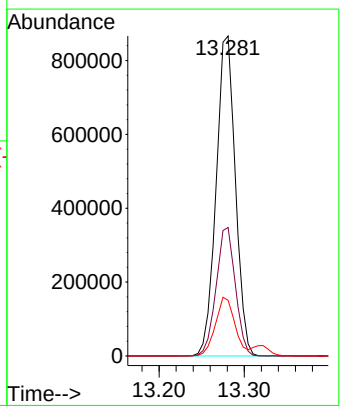
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

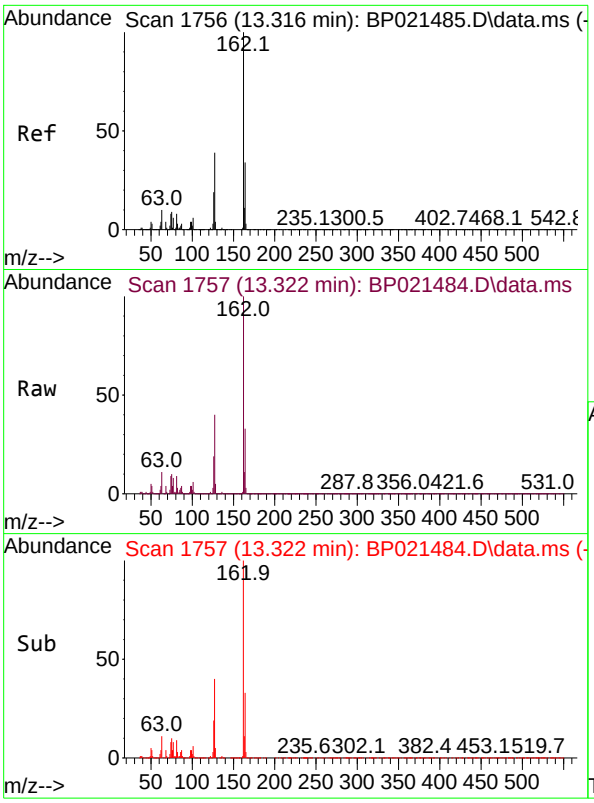


#46
1,1'-Biphenyl
Concen: 20.263 ng
RT: 13.281 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:154 Resp: 1359024

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.7	60.7
76	17.4	0.0	37.7

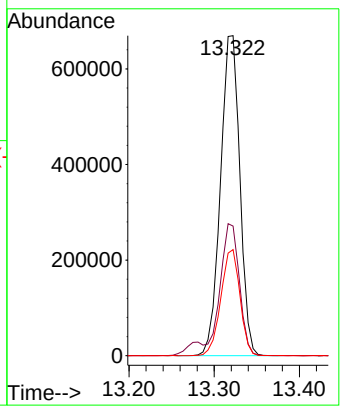




#47
2-Chloronaphthalene
Concen: 20.282 ng
RT: 13.322 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:162 Resp: 105899

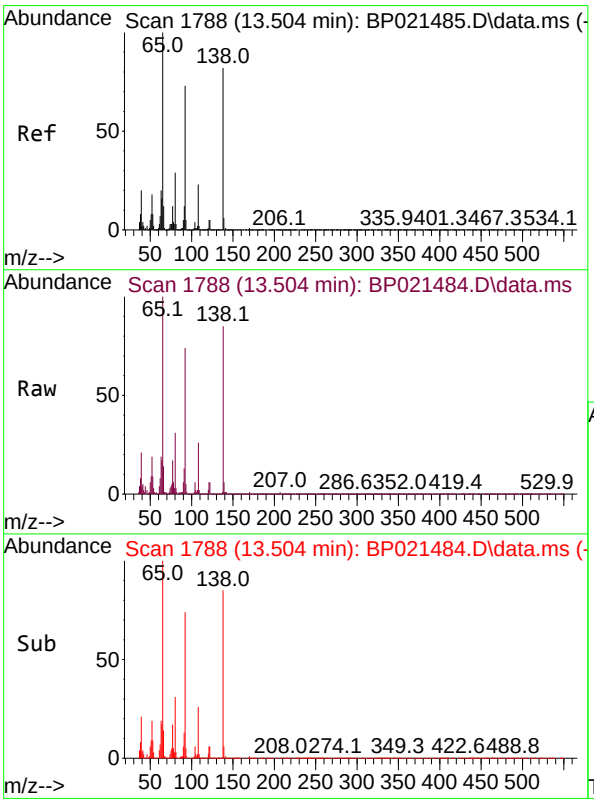
Ion	Ratio	Lower	Upper
162	100		
127	40.5	31.9	47.9
164	33.2	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

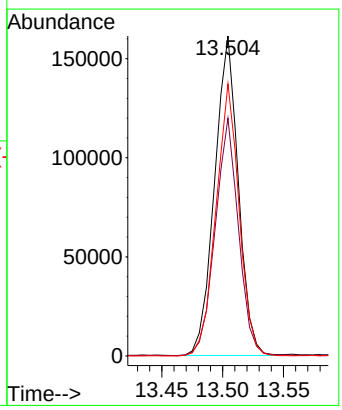
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

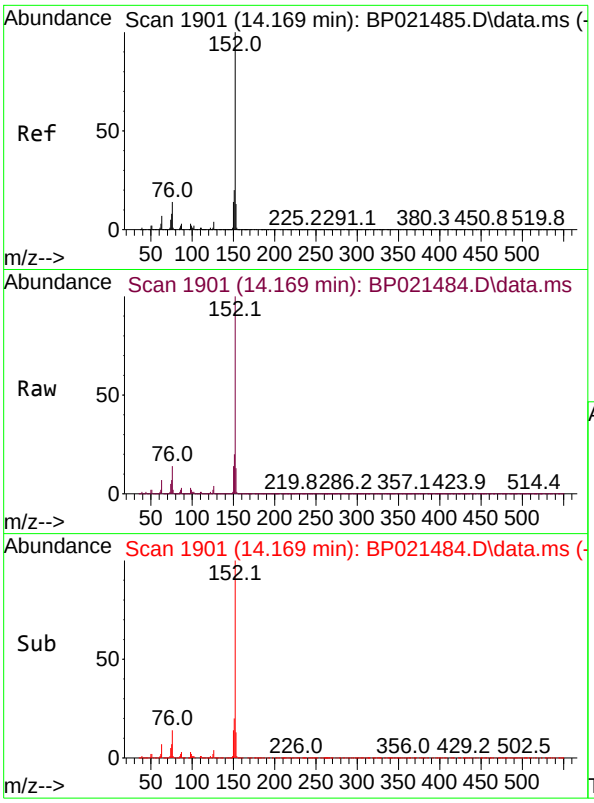


#48
2-Nitroaniline
Concen: 18.481 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 65 Resp: 218570

Ion	Ratio	Lower	Upper
65	100		
92	74.3	58.1	87.1
138	85.1	65.5	98.3

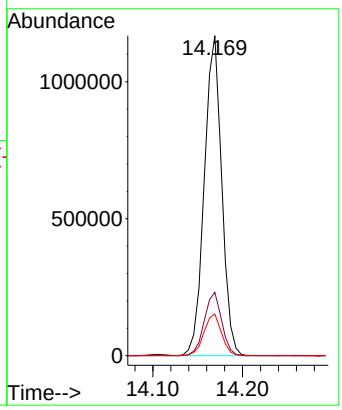




#49
Acenaphthylene
Concen: 20.468 ng
RT: 14.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:152 Resp: 157110

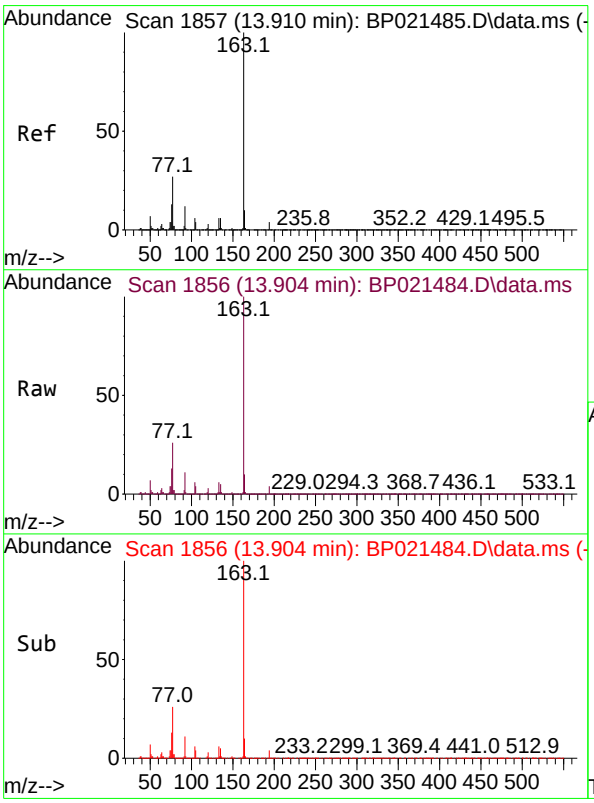
Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.0	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

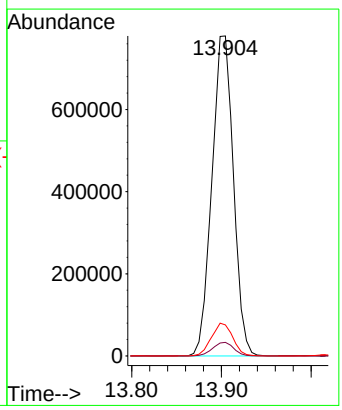
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

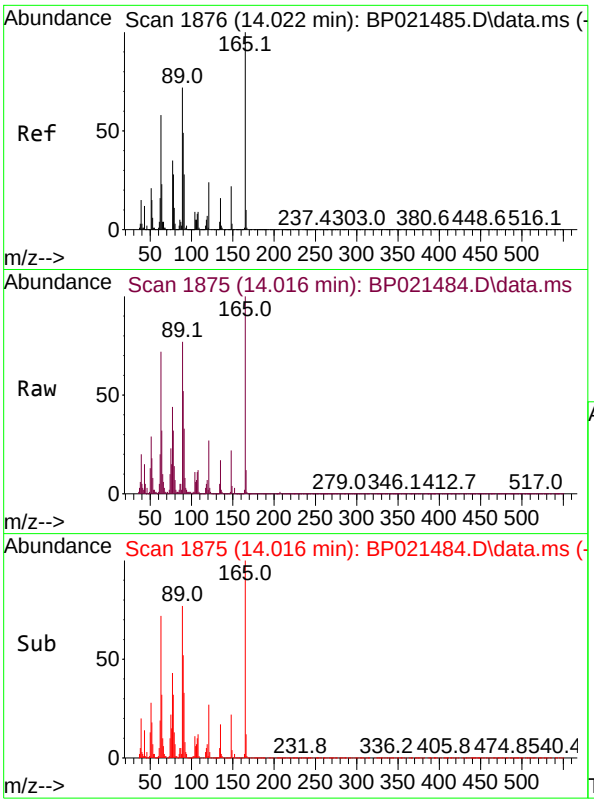


#50
Dimethylphthalate
Concen: 20.442 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:163 Resp: 1297733

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	9.7	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 19.423 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

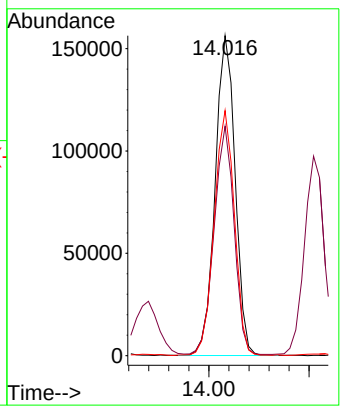
Tgt Ion:165 Resp: 21561

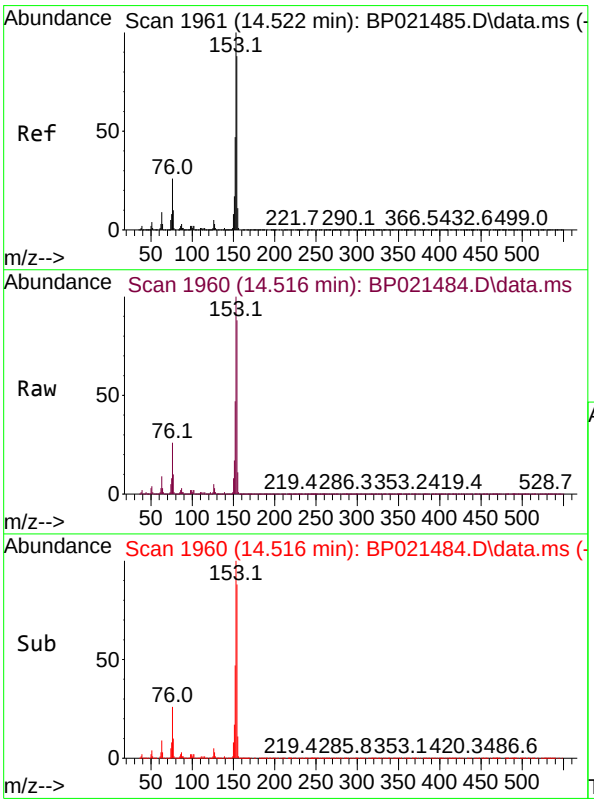
Ion	Ratio	Lower	Upper
165	100		
63	71.7	51.5	77.3
89	76.6	57.8	86.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

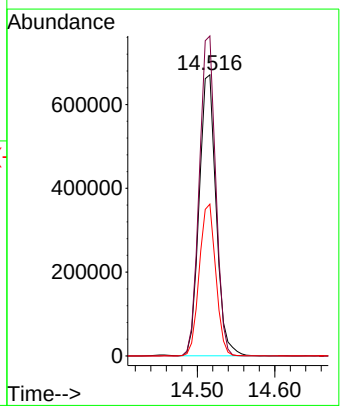


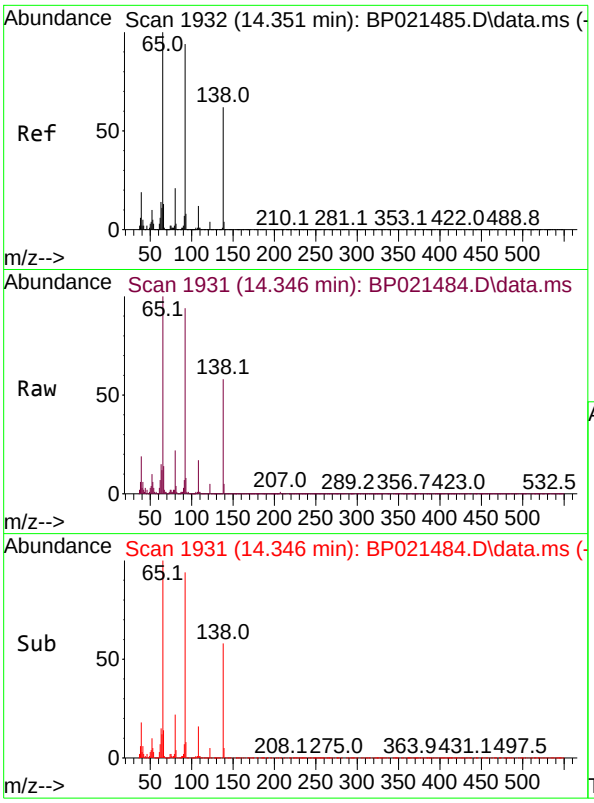


#52
Acenaphthene
Concen: 20.223 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:154 Resp: 1018510

Ion	Ratio	Lower	Upper
154	100		
153	113.8	91.1	136.7
152	54.0	43.0	64.4

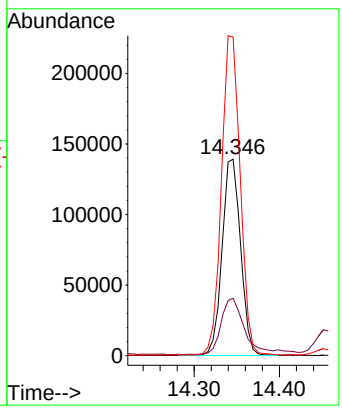




#53
3-Nitroaniline
Concen: 19.232 ng
RT: 14.346 min Scan# 1
Delta R.T. -0.005 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:138 Resp: 20949

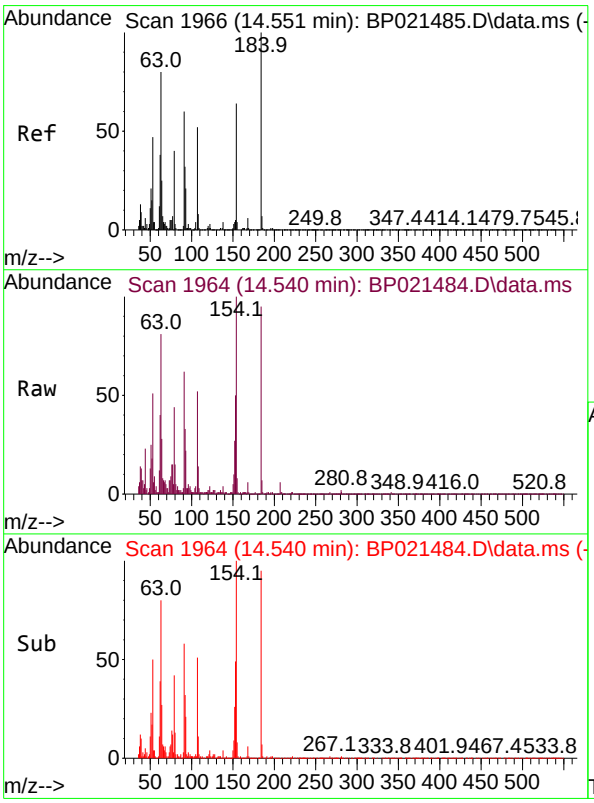
Ion	Ratio	Lower	Upper
138	100		
108	29.2	16.2	24.4#
92	162.2	122.2	183.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

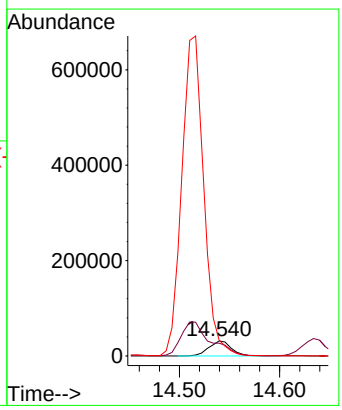
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

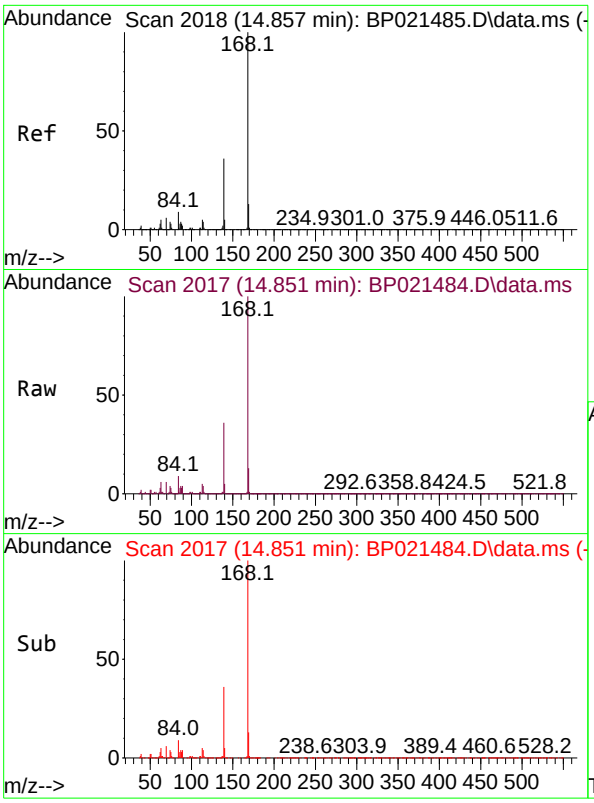


#54
2,4-Dinitrophenol
Concen: 19.714 ng
RT: 14.540 min Scan# 1964
Delta R.T. -0.011 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:184 Resp: 49171

Ion	Ratio	Lower	Upper
184	100		
63	85.8	64.9	97.3
154	105.7	52.1	78.1#

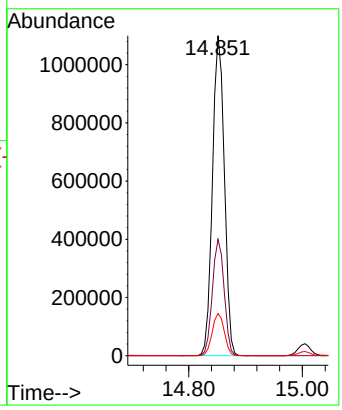




#55
Dibenzofuran
Concen: 20.515 ng
RT: 14.851 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:168 Resp: 158941

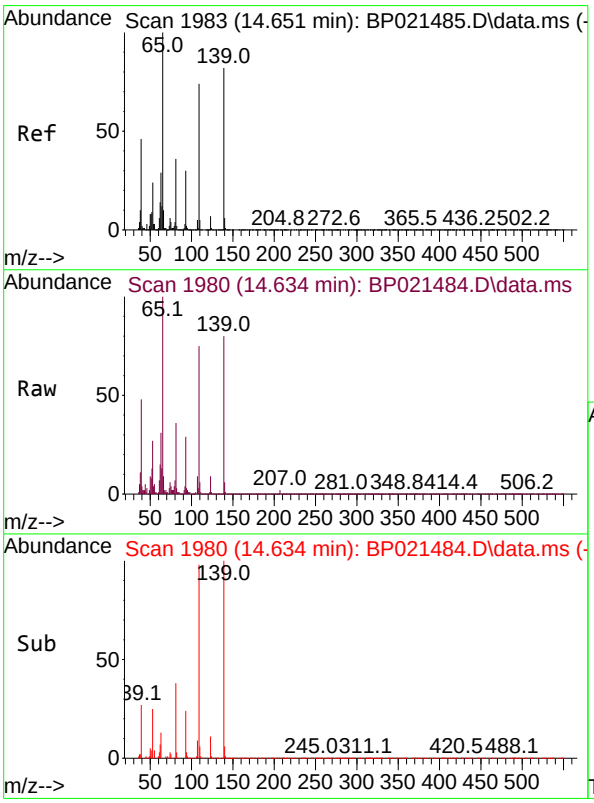
Ion	Ratio	Lower	Upper
168	100		
139	36.3	28.6	43.0
169	13.1	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

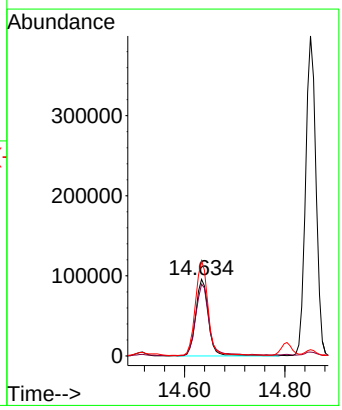
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

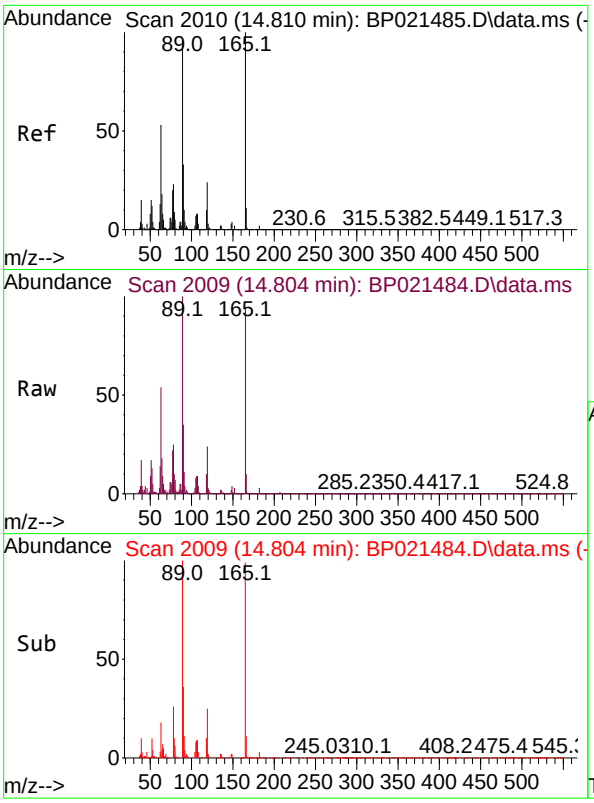


#56
4-Nitrophenol
Concen: 20.016 ng
RT: 14.634 min Scan# 1980
Delta R.T. -0.017 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:139 Resp: 167932

Ion	Ratio	Lower	Upper
139	100		
109	93.8	70.2	110.2
65	124.4	101.8	141.8

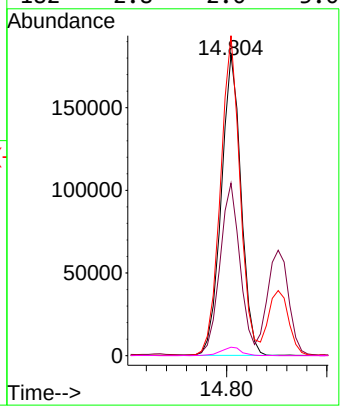




#57
2,4-Dinitrotoluene
Concen: 18.676 ng
RT: 14.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:165 Resp: 24840

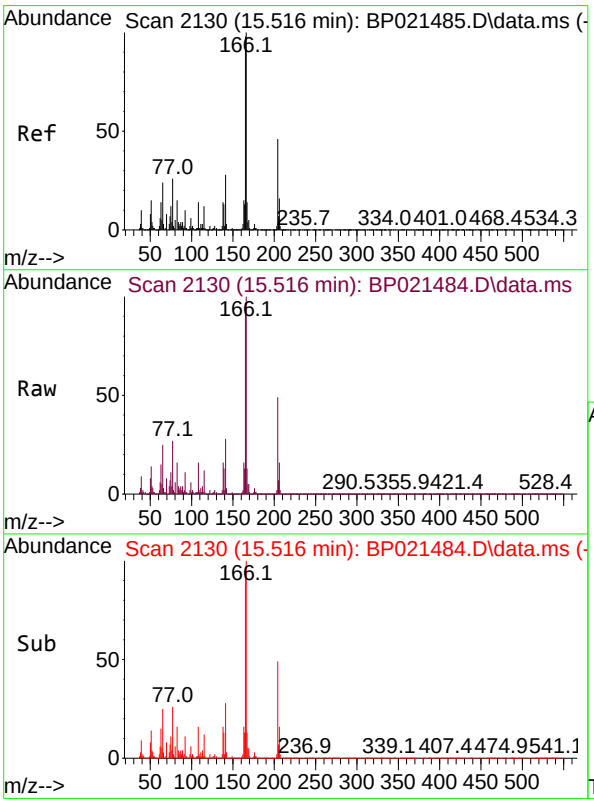
Ion	Ratio	Lower	Upper
165	100		
63	57.3	42.5	63.7
89	106.3	77.1	115.7
182	2.8	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

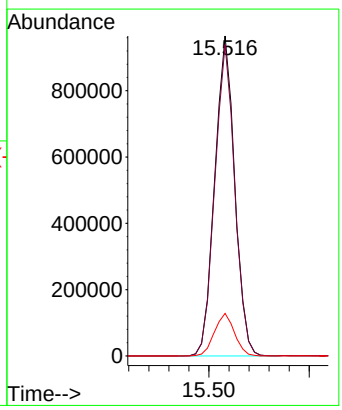
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

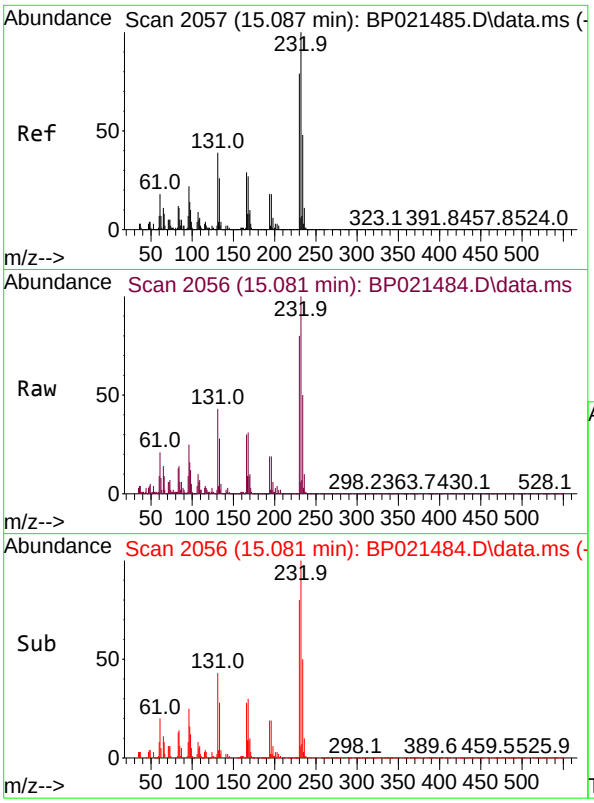


#58
Fluorene
Concen: 20.975 ng
RT: 15.516 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:166 Resp: 1334998

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.1	117.1
167	13.3	11.0	16.4

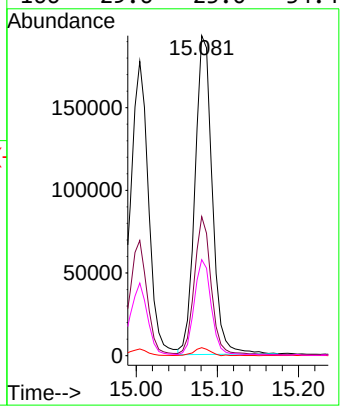




#59
2,3,4,6-Tetrachlorophenol
Concen: 19.679 ng
RT: 15.081 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:232 Resp: 28632

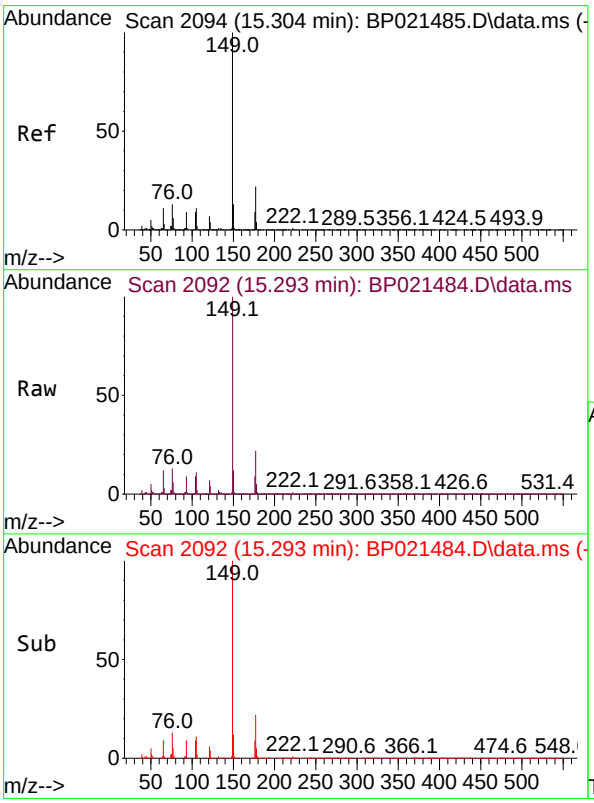
Ion	Ratio	Lower	Upper
232	100		
131	42.6	33.1	49.7
130	2.3	1.7	2.5
166	29.6	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

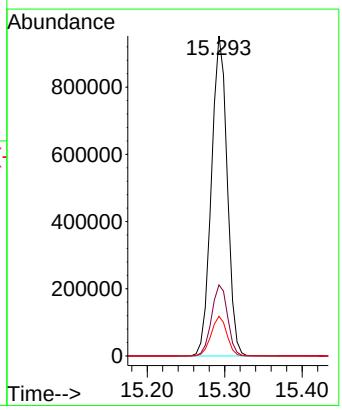
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

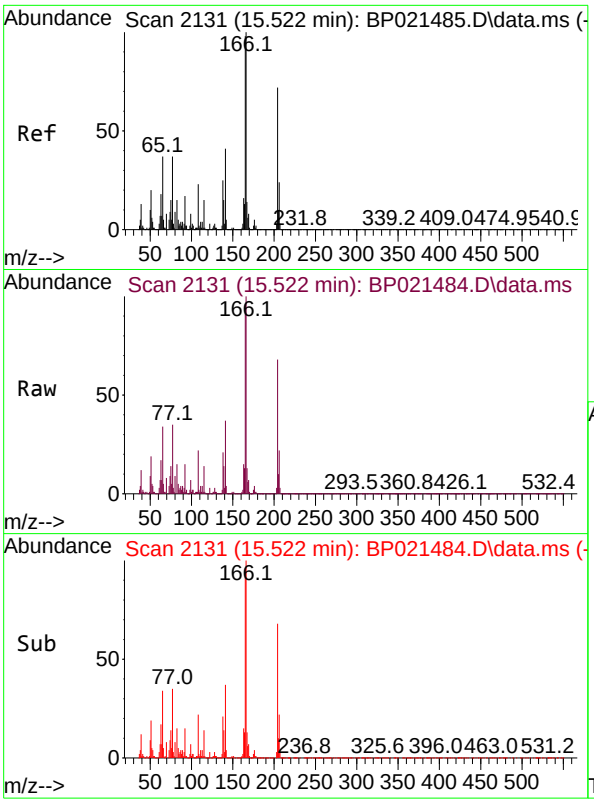


#60
Diethylphthalate
Concen: 20.773 ng
RT: 15.293 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:149 Resp: 1353063

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.8
150	12.4	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 20.699 ng
RT: 15.522 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

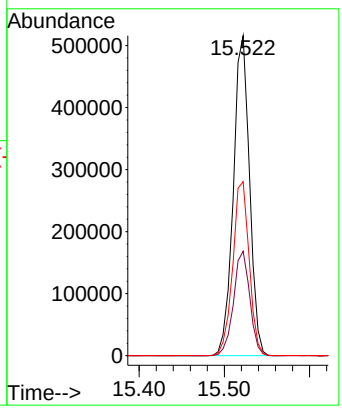
Tgt Ion:204 Resp: 68098

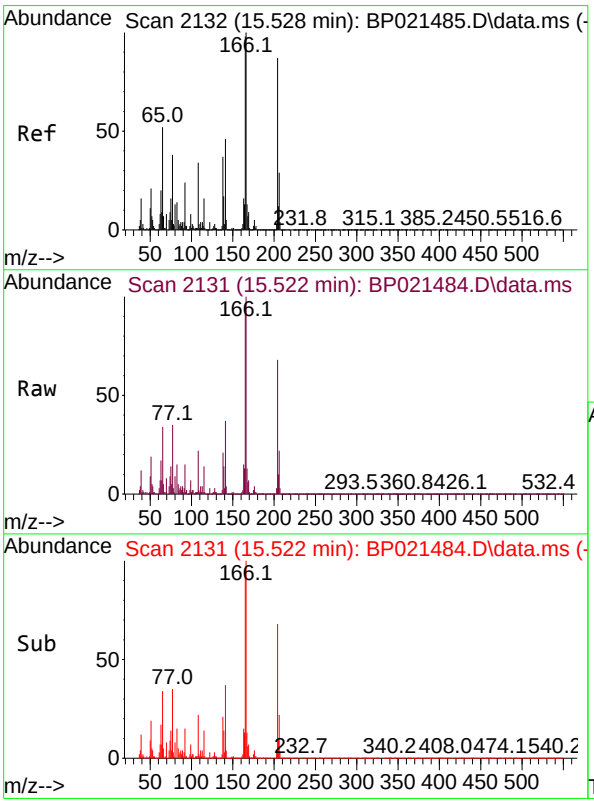
Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.4	39.6
141	54.4	46.1	69.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

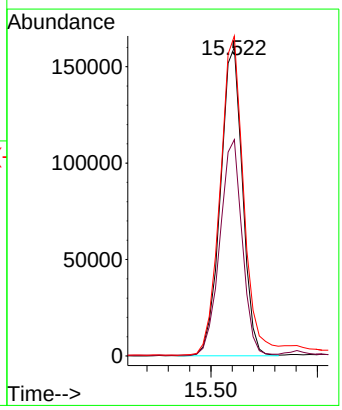


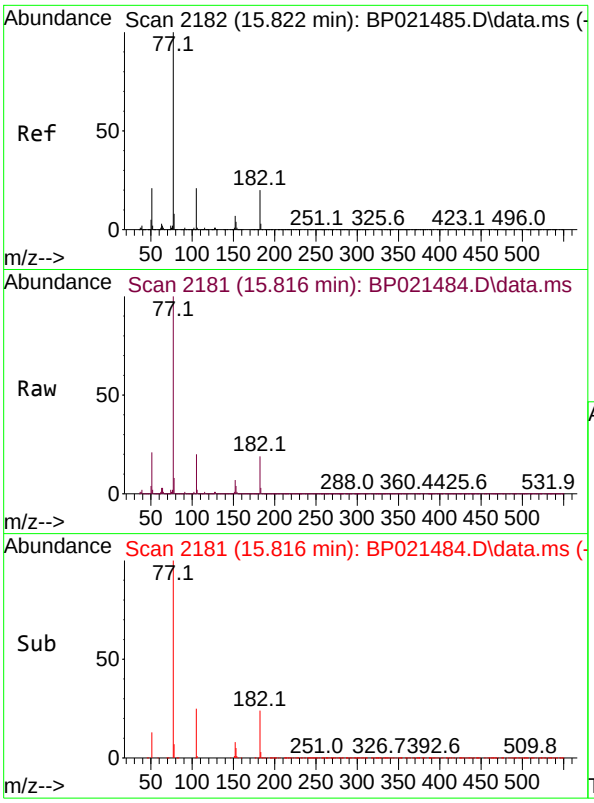


#62
4-Nitroaniline
Concen: 19.603 ng
RT: 15.522 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:138 Resp: 229769

Ion	Ratio	Lower	Upper
138	100		
92	70.1	46.4	86.4
108	103.7	73.2	113.2

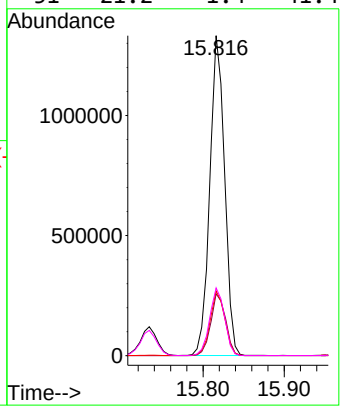




#63
Azobenzene
Concen: 21.052 ng
RT: 15.816 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 77 Resp: 168560

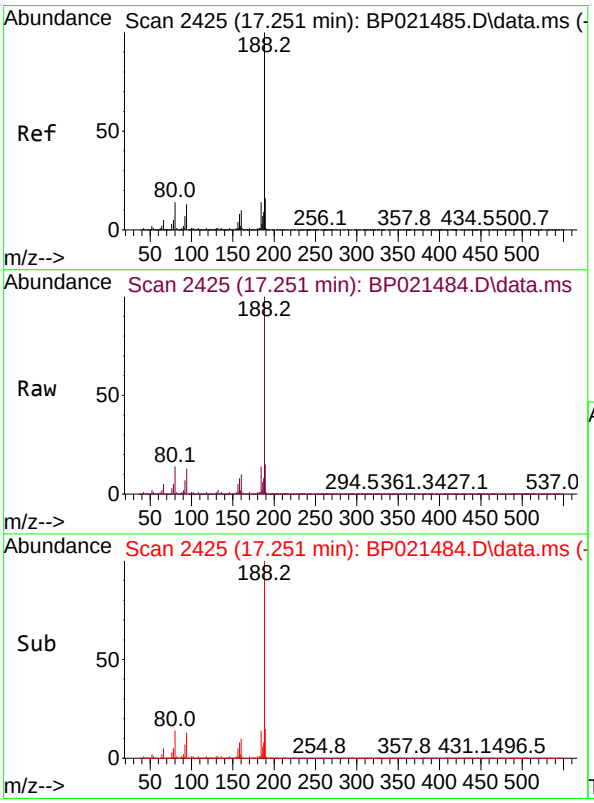
Ion	Ratio	Lower	Upper
77	100		
182	19.3	0.0	39.9
105	20.3	0.9	40.9
51	21.2	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

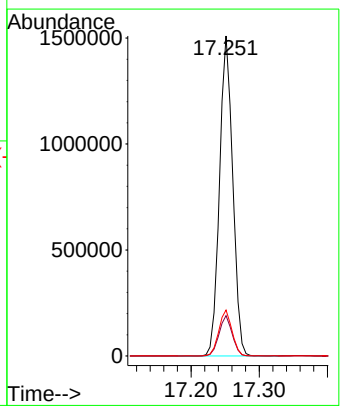
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

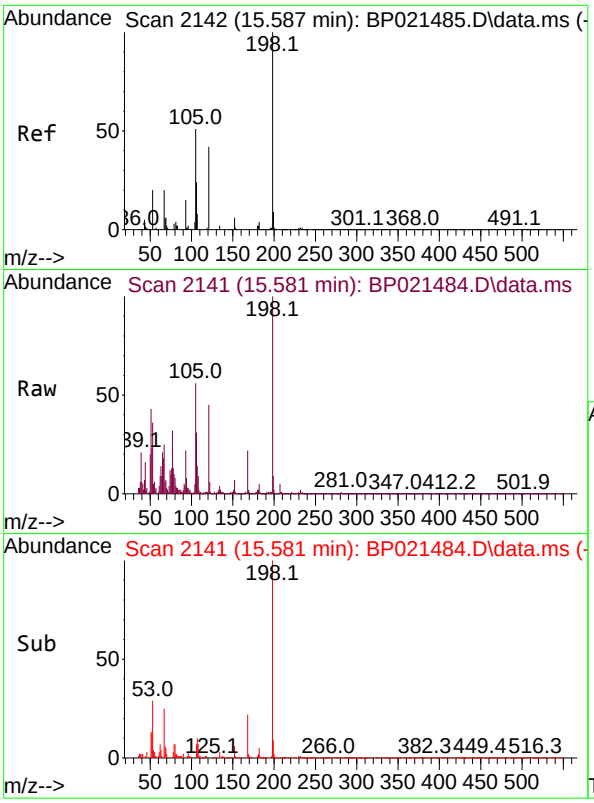


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:188 Resp: 2036378

Ion	Ratio	Lower	Upper
188	100		
94	12.6	10.2	15.4
80	14.4	11.6	17.4

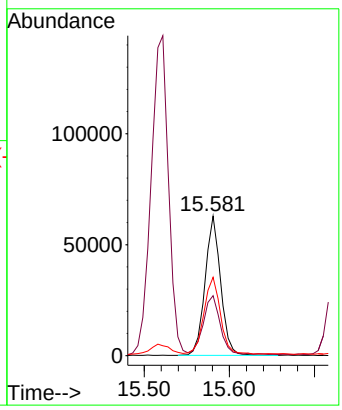




#65
4,6-Dinitro-2-methylphenol
Concen: 19.364 ng
RT: 15.581 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:198 Resp: 7939

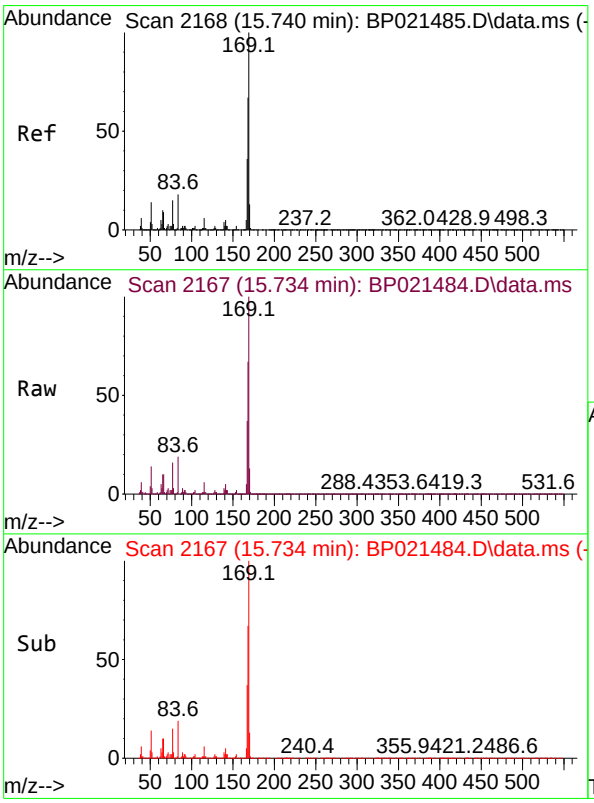
Ion	Ratio	Lower	Upper
198	100		
51	43.0	21.5	61.5
105	56.2	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

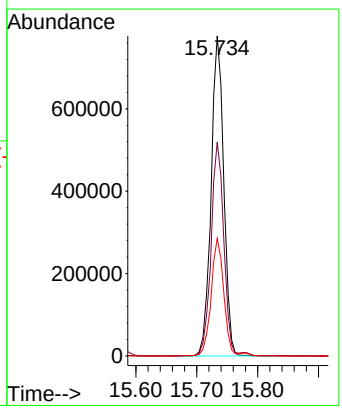
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

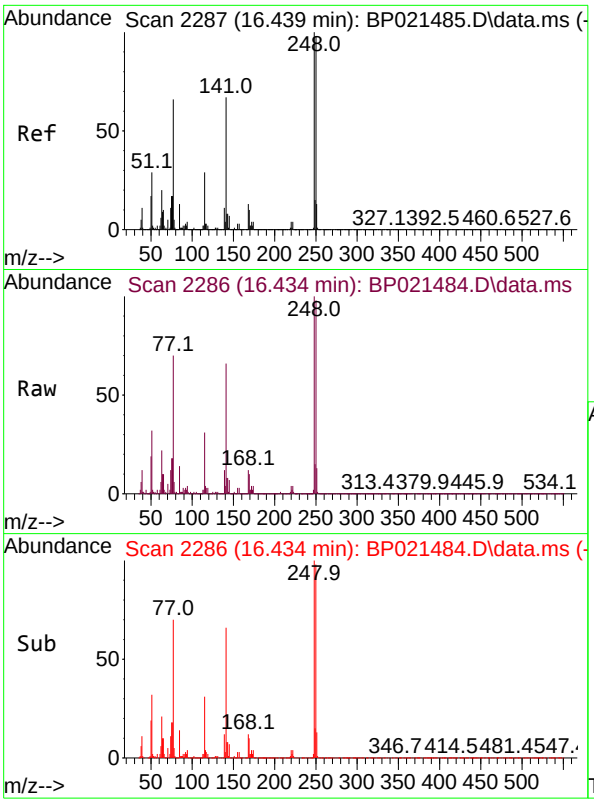


#66
n-Nitrosodiphenylamine
Concen: 20.488 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:169 Resp: 1118083

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	36.7	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 20.052 ng
RT: 16.434 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

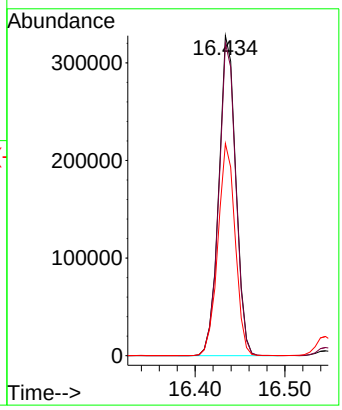
Tgt Ion:248 Resp: 43216

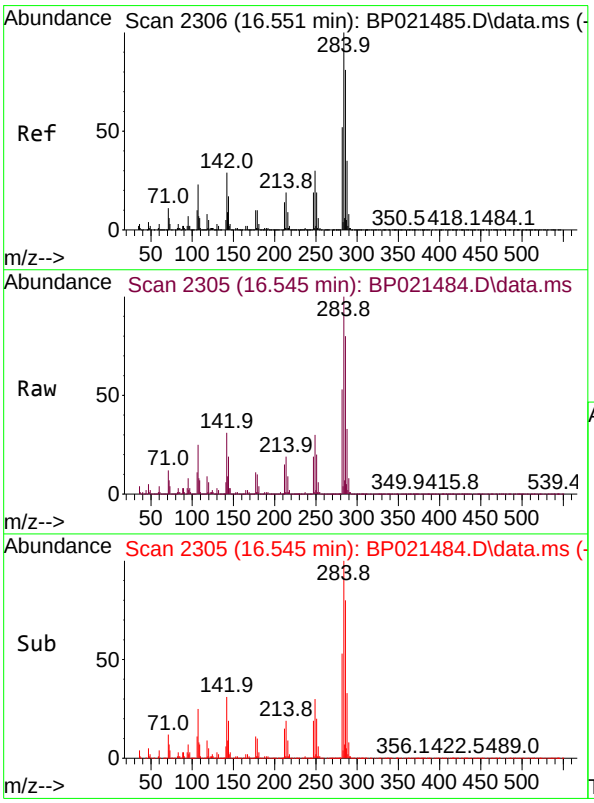
Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.6	117.8
141	66.3	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

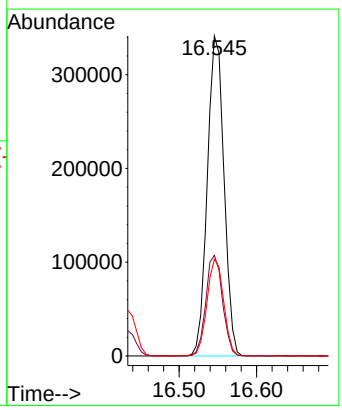


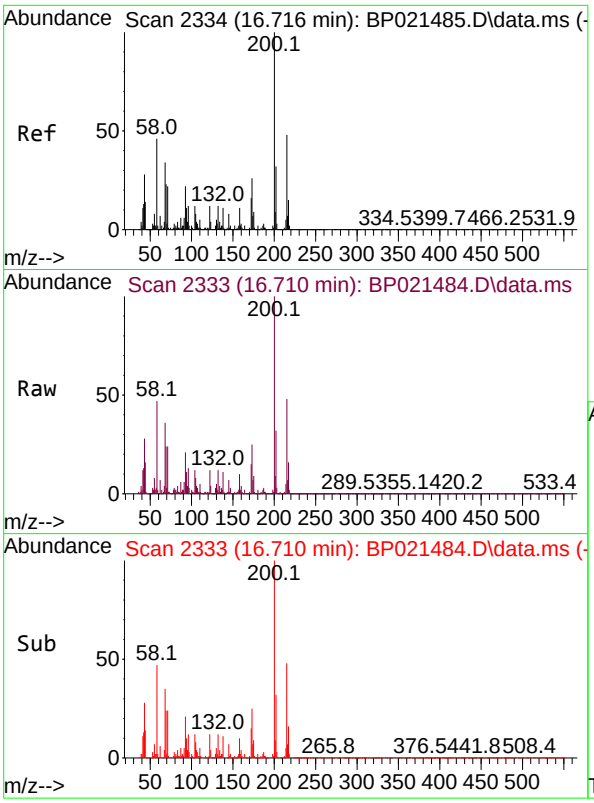


#68
Hexachlorobenzene
Concen: 20.002 ng
RT: 16.545 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:284 Resp: 509441

Ion	Ratio	Lower	Upper
284	100		
142	31.5	23.4	35.2
249	30.3	24.1	36.1

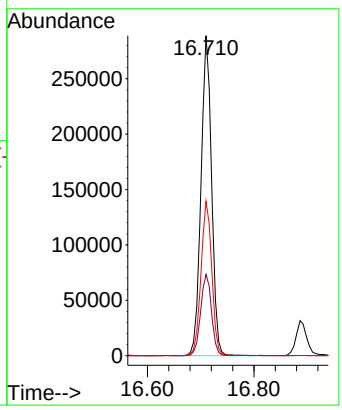




#69
Atrazine
Concen: 21.266 ng
RT: 16.710 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:200 Resp: 39844

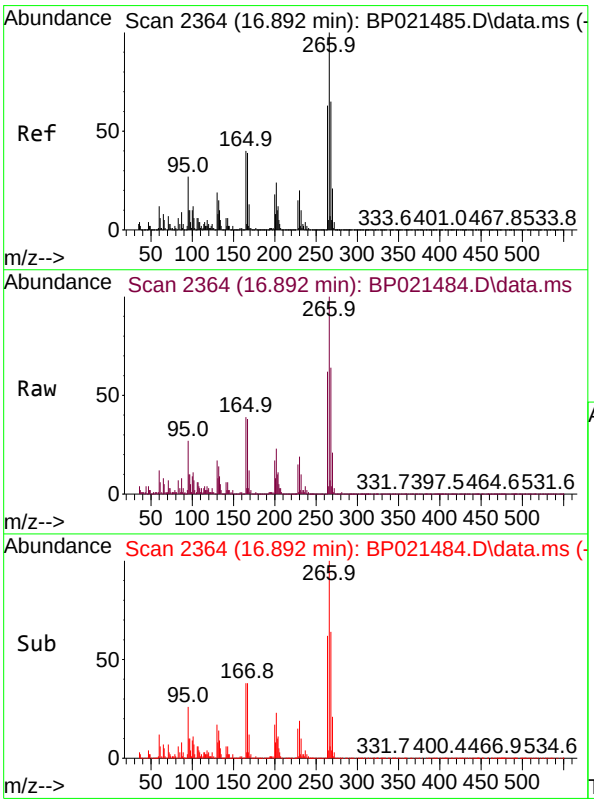
Ion	Ratio	Lower	Upper
200	100		
173	25.4	6.2	46.2
215	48.3	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

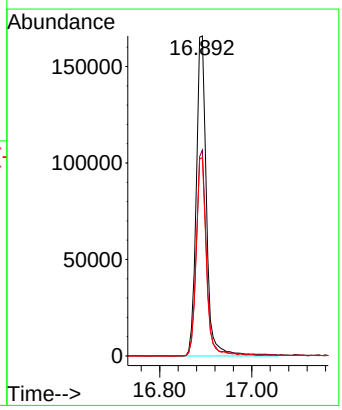
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

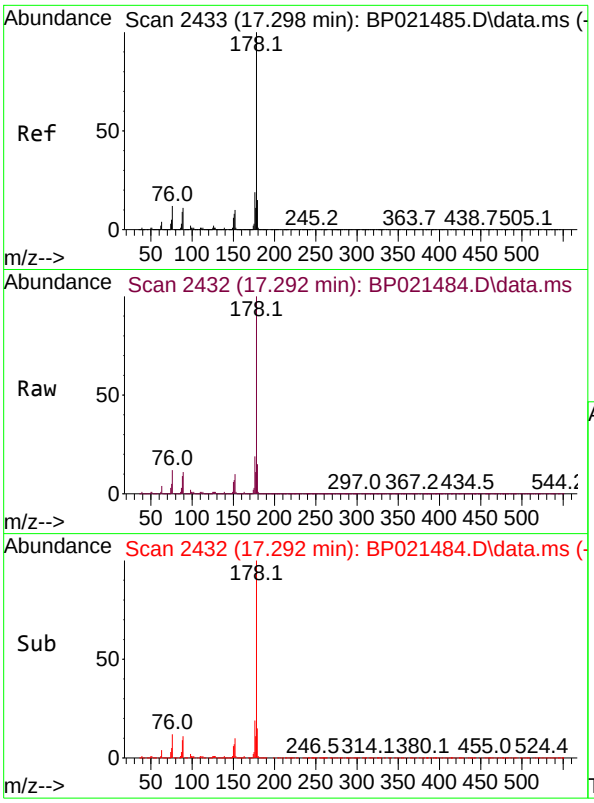


#70
Pentachlorophenol
Concen: 18.381 ng
RT: 16.892 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:266 Resp: 255526

Ion	Ratio	Lower	Upper
266	100		
268	64.4	51.8	77.6
264	62.0	50.5	75.7

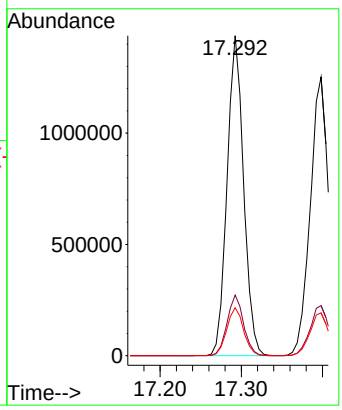




#71
Phenanthrene
Concen: 20.760 ng
RT: 17.292 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:178 Resp: 203307

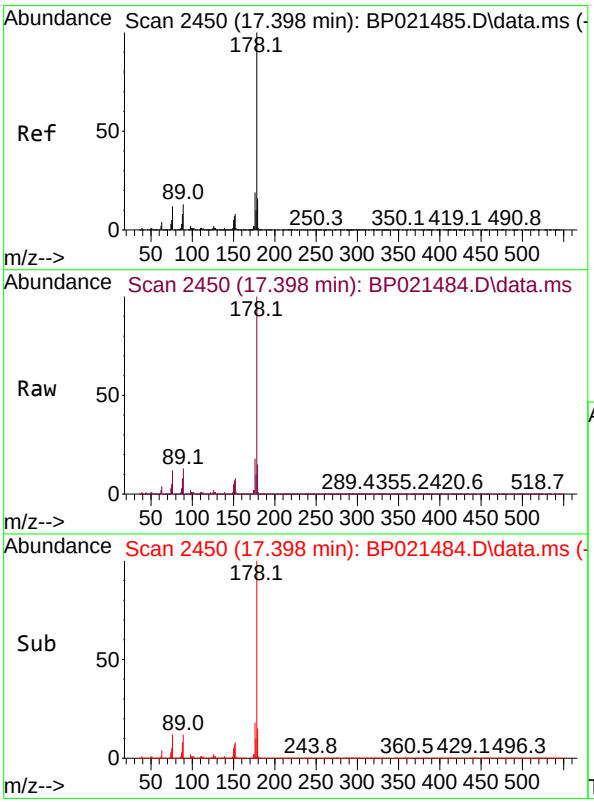
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.0	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

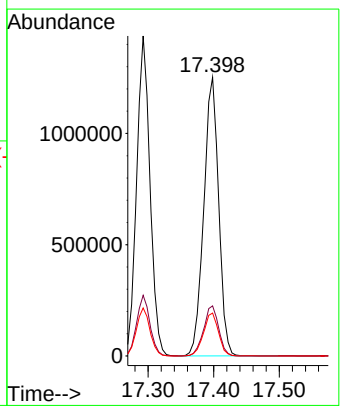
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

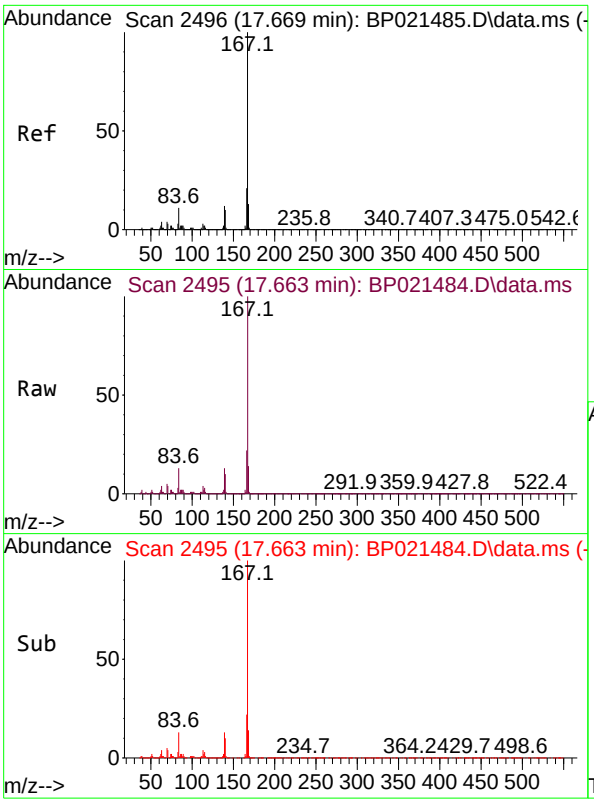


#72
Anthracene
Concen: 20.574 ng
RT: 17.398 min Scan# 2450
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:178 Resp: 1976030

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.9	22.3
179	15.4	12.5	18.7

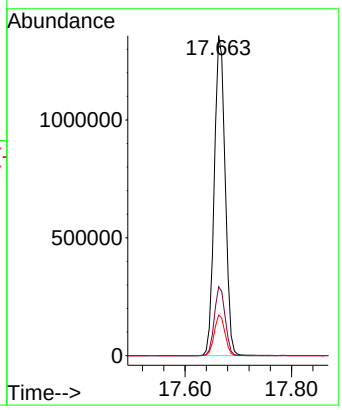




#73
Carbazole
Concen: 20.709 ng
RT: 17.663 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:167 Resp: 191683

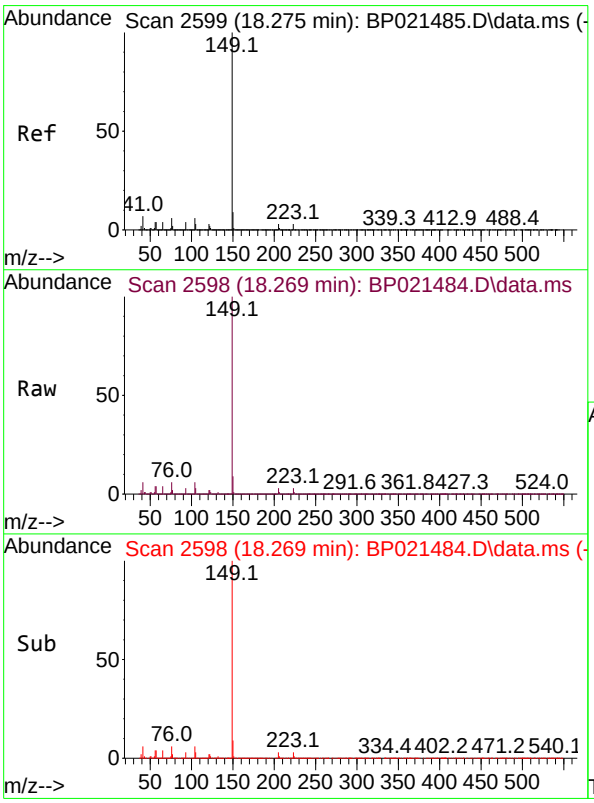
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.4
139	12.7	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

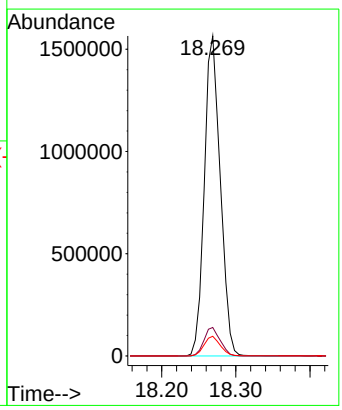
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

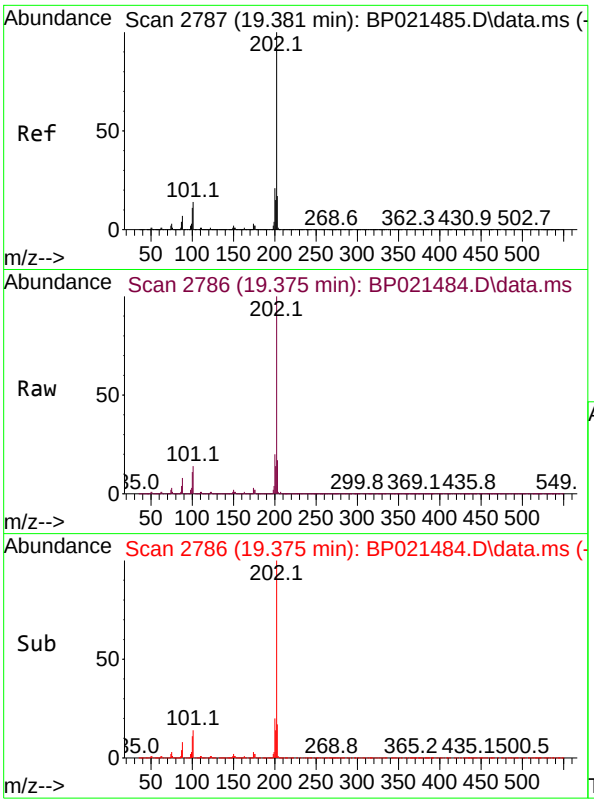


#74
Di-n-butylphthalate
Concen: 20.587 ng
RT: 18.269 min Scan# 2598
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:149 Resp: 2340289

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	6.1	4.9	7.3





#75
Fluoranthene
Concen: 20.902 ng
RT: 19.375 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

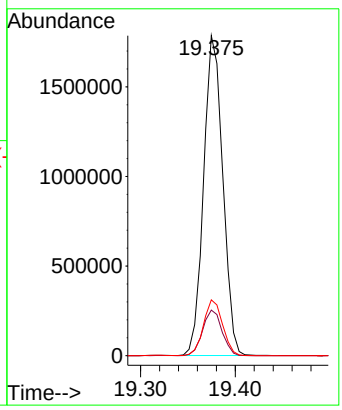
Tgt Ion:202 Resp: 251168

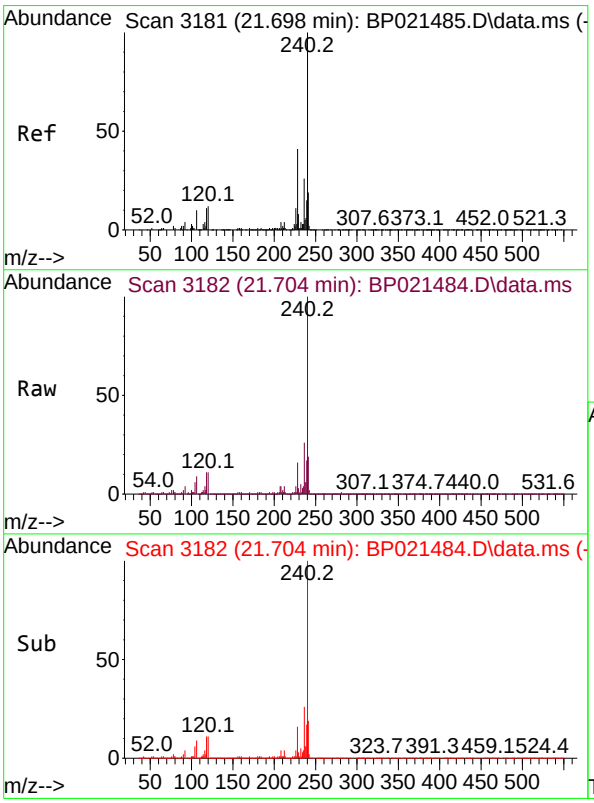
Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	34.0
203	17.4	0.0	37.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

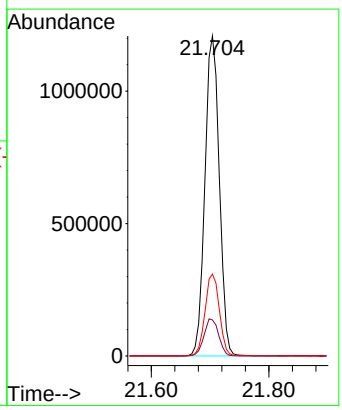


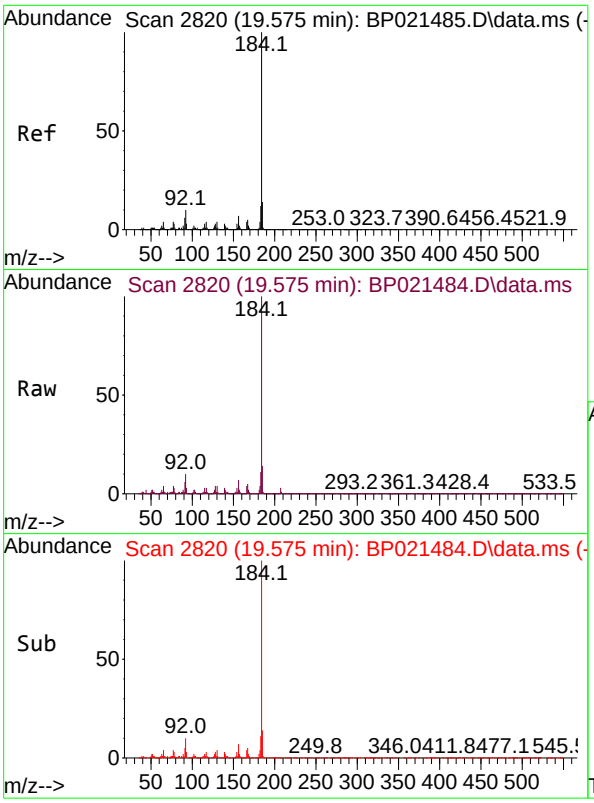


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.704 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:240 Resp: 2051361

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.9	14.9
236	25.6	20.6	30.8

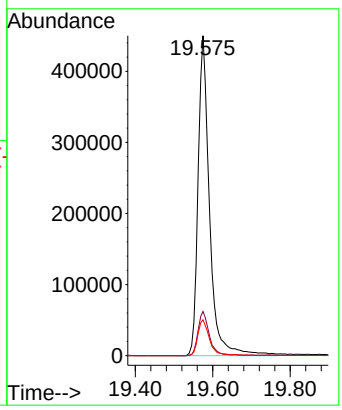




#77
Benzidine
Concen: 20.258 ng
RT: 19.575 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:184 Resp: 92419

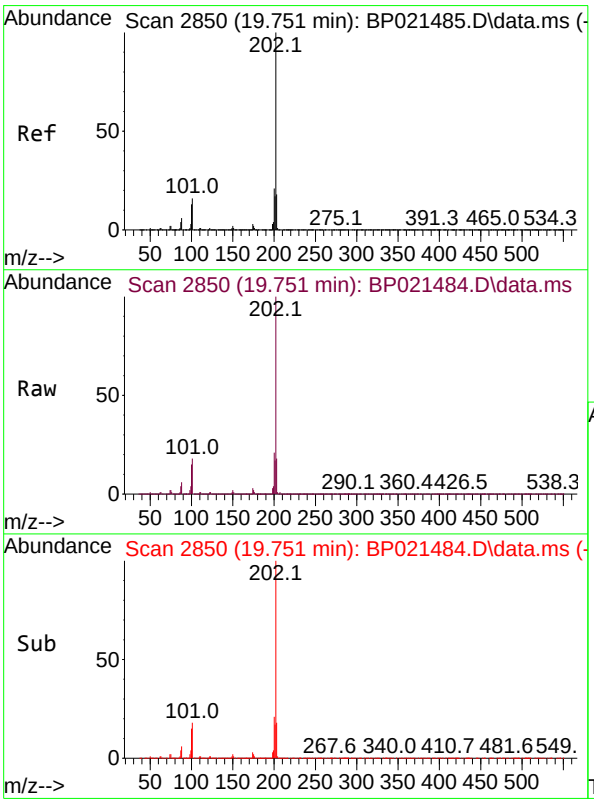
Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.4	17.0
183	11.2	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

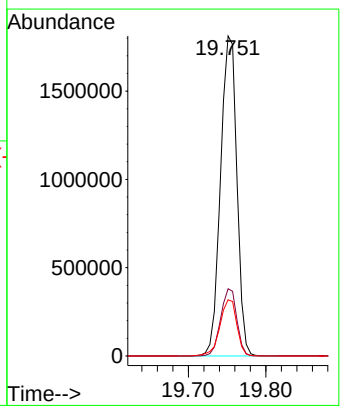
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

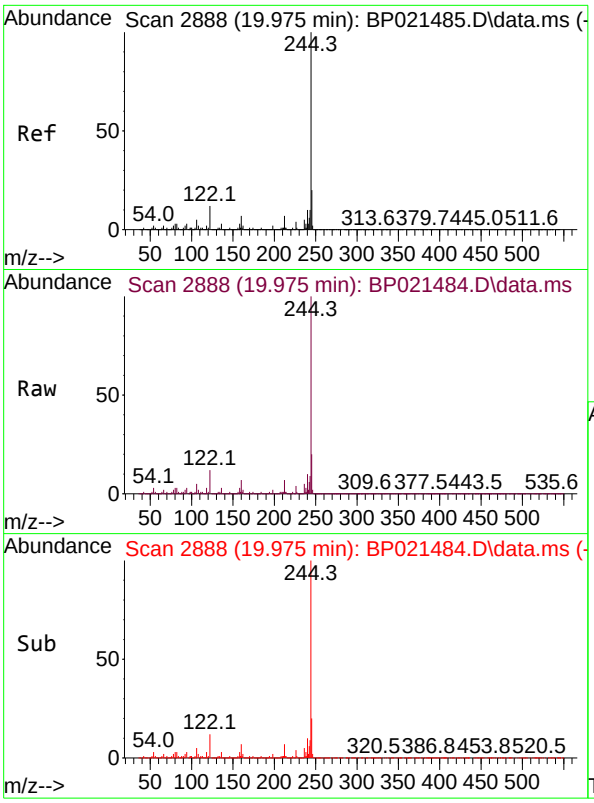


#78
Pyrene
Concen: 19.814 ng
RT: 19.751 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:202 Resp: 2656705

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.5	14.1	21.1





#79
Terphenyl-d14
Concen: 40.160 ng
RT: 19.975 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

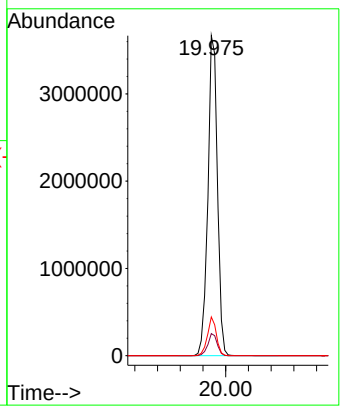
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

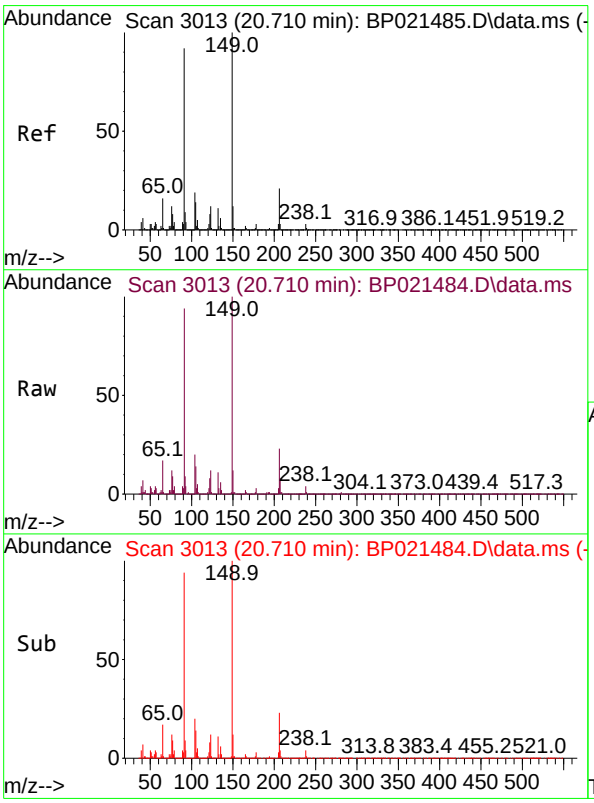
Tgt Ion:244 Resp: 424055

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	12.1	9.4	14.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

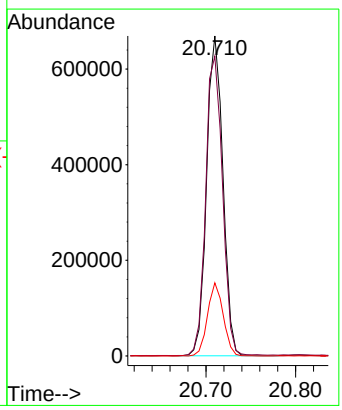


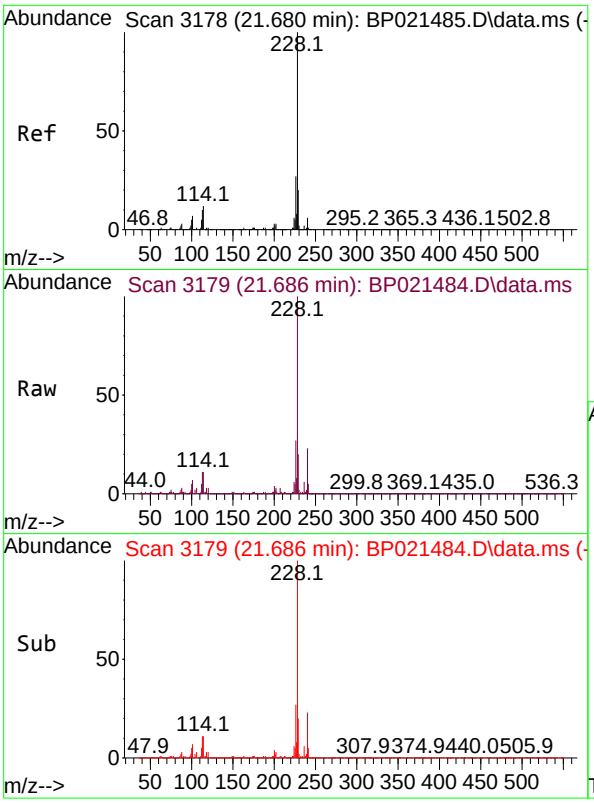


#80
Butylbenzylphthalate
Concen: 18.934 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:149 Resp: 843482

Ion	Ratio	Lower	Upper
149	100		
91	93.7	73.3	109.9
206	22.9	17.1	25.7

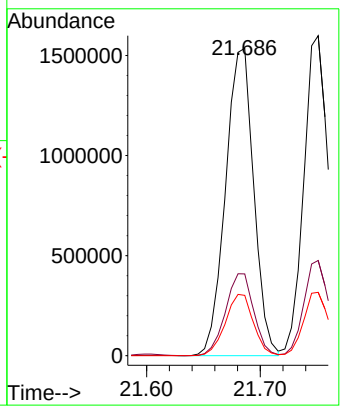




#81
Benzo(a)anthracene
Concen: 20.566 ng
RT: 21.686 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:228 Resp: 264847

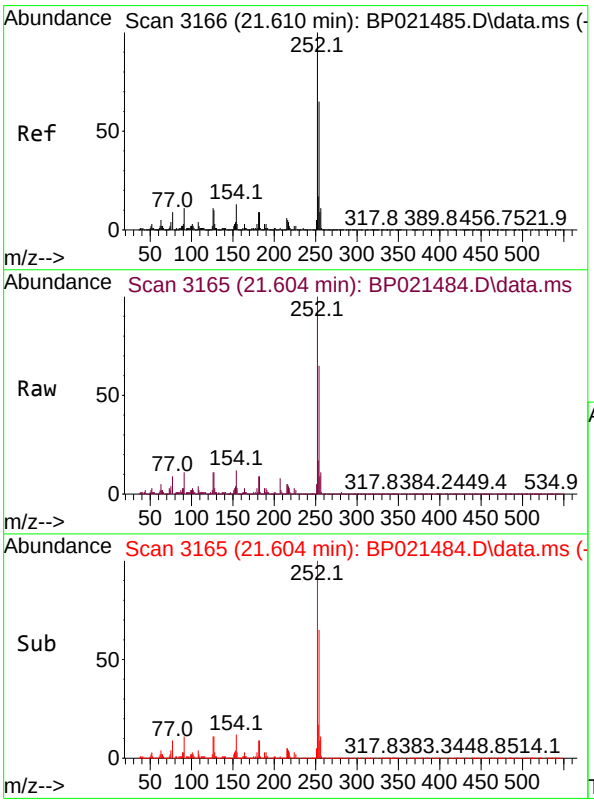
Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.4	32.2
229	19.6	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

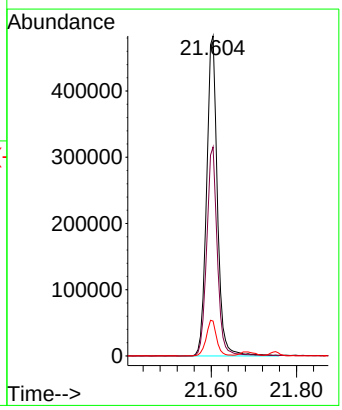
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

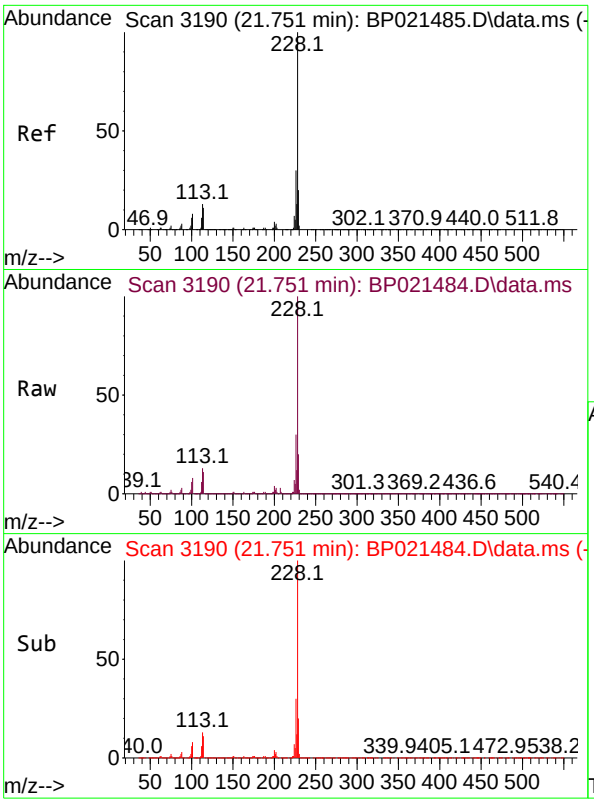


#82
3,3'-Dichlorobenzidine
Concen: 20.526 ng
RT: 21.604 min Scan# 3165
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:252 Resp: 847490

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.7	77.5
126	10.9	8.7	13.1

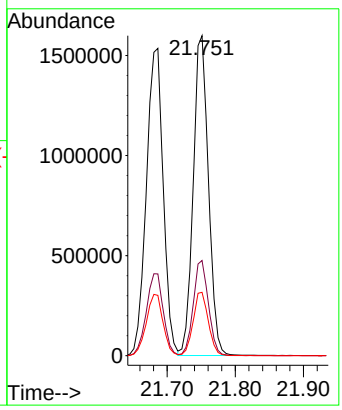




#83
Chrysene
Concen: 20.336 ng
RT: 21.751 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:228 Resp: 247252

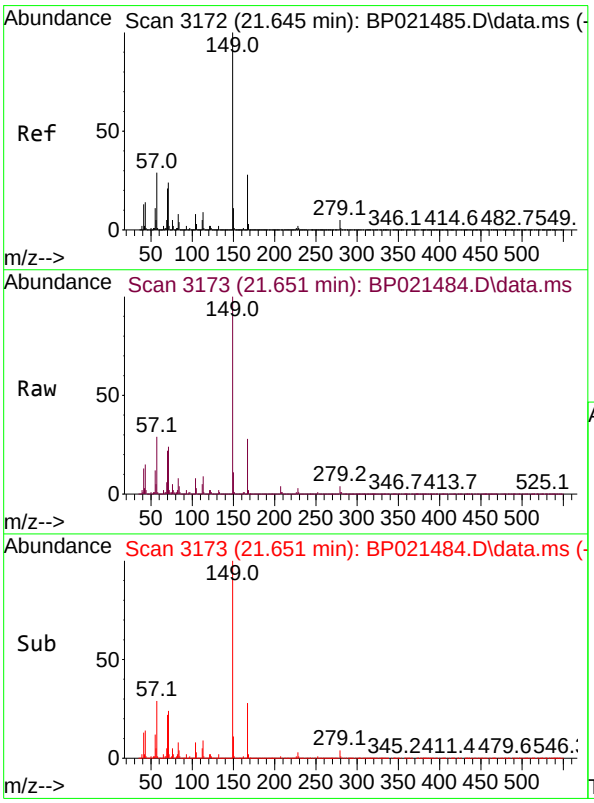
Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	19.8	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

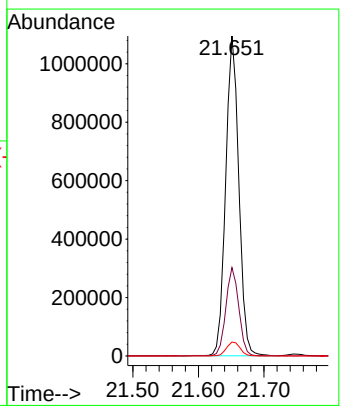
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

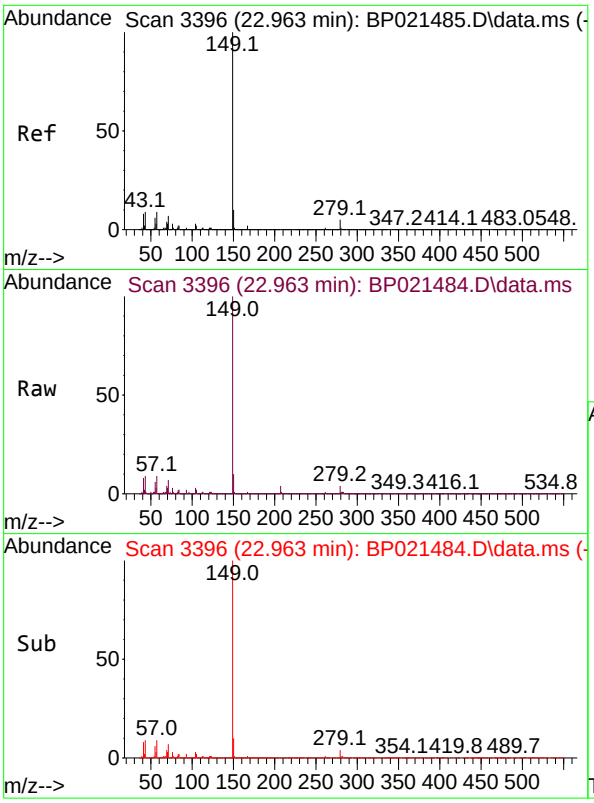


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.981 ng
RT: 21.651 min Scan# 3173
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:149 Resp: 1520788

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.3	33.5
279	4.3	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 20.217 ng
RT: 22.963 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

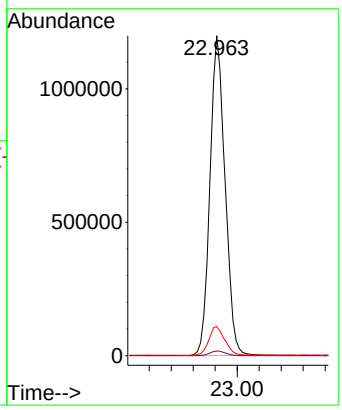
Tgt Ion:149 Resp: 228682

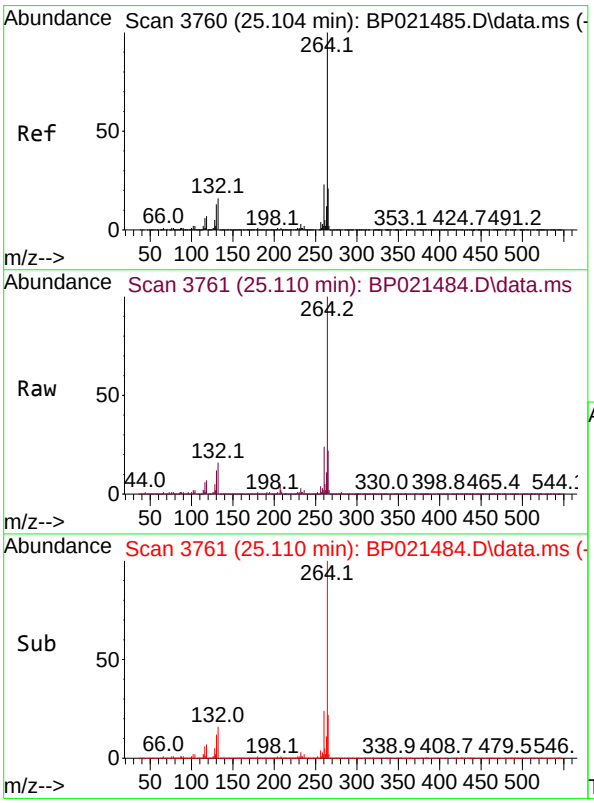
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.4	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

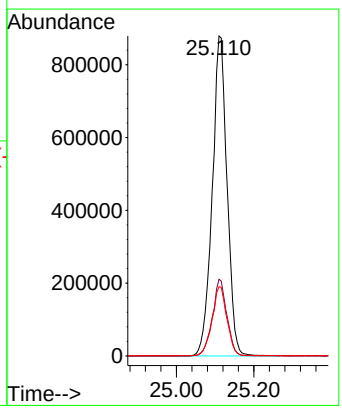


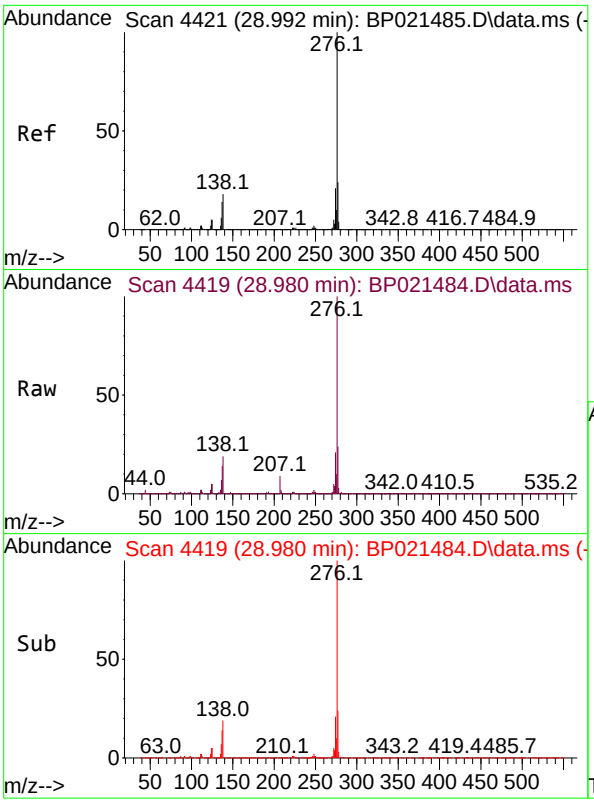


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.110 min Scan# 3761
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:264 Resp: 2332049

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.7	17.1	25.7

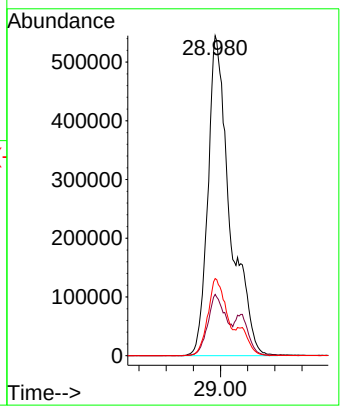




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.320 ng m
RT: 28.980 min Scan# 44
Delta R.T. -0.012 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:276 Resp: 307137

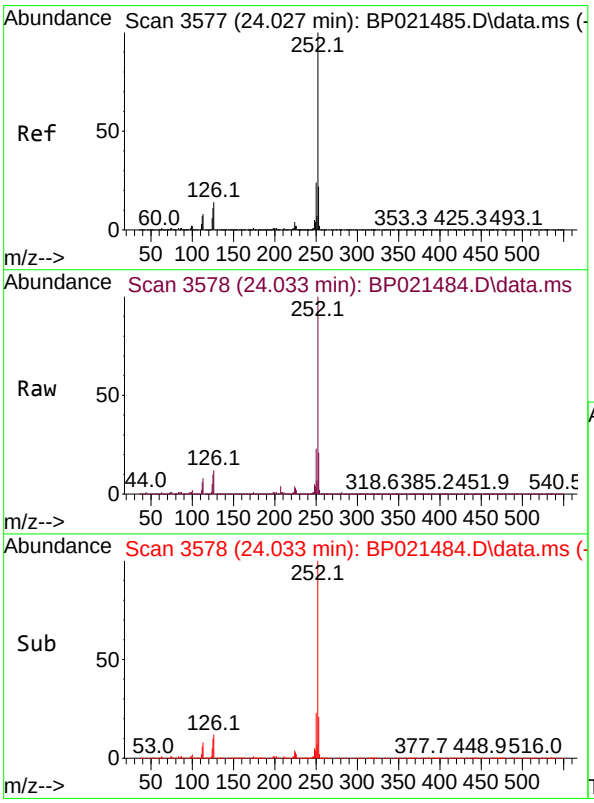
Ion	Ratio	Lower	Upper
276	100		
138	16.1	12.8	19.2
277	20.7	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

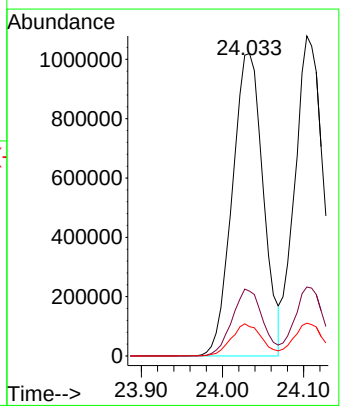
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

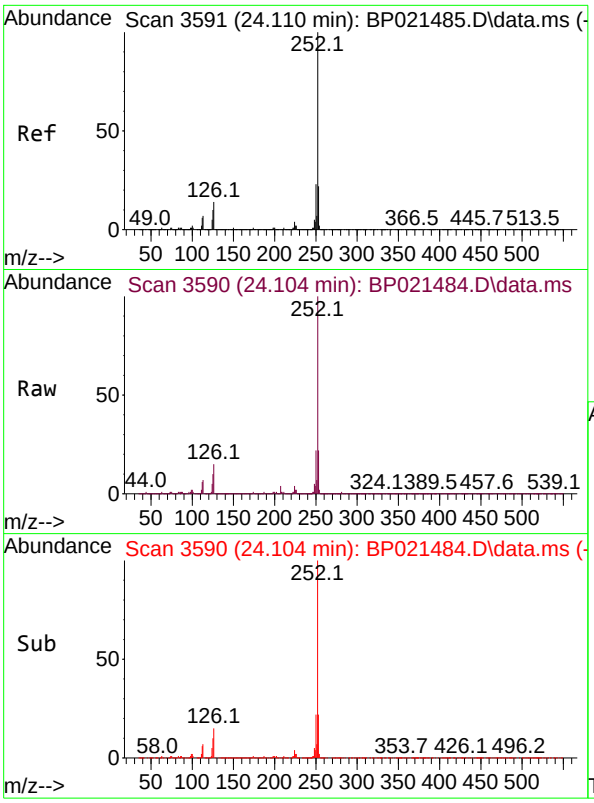


#88
Benzo(b)fluoranthene
Concen: 20.161 ng
RT: 24.033 min Scan# 3578
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:252 Resp: 2700298

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	9.7	8.6	13.0

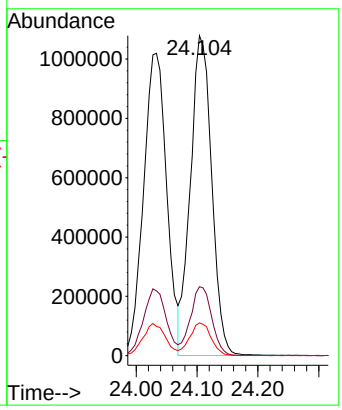




#89
Benzo(k)fluoranthene
Concen: 20.059 ng
RT: 24.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:252 Resp: 262083

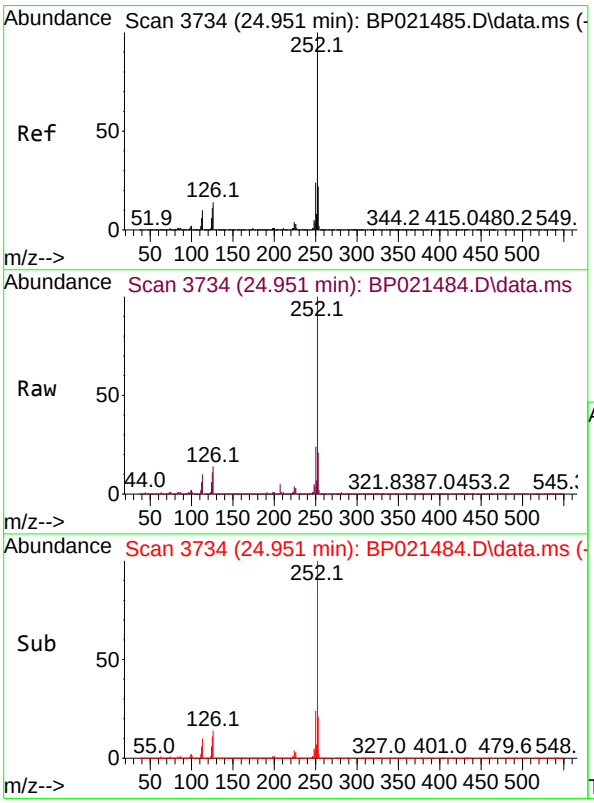
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	10.2	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

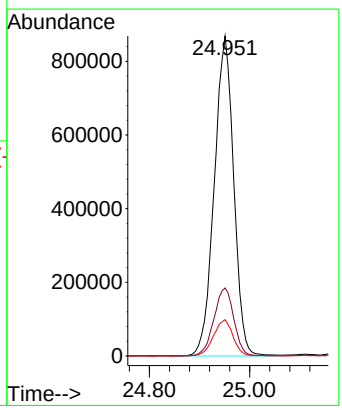
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

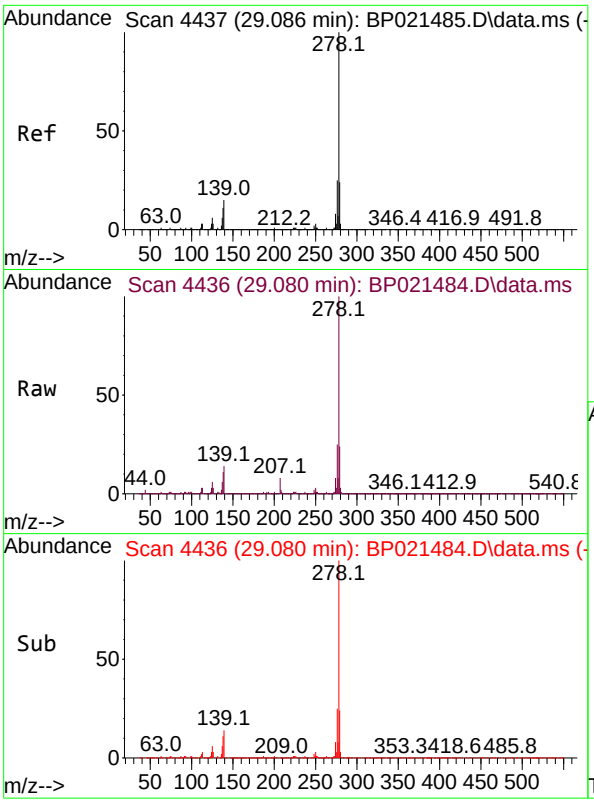


#90
Benzo(a)pyrene
Concen: 20.127 ng
RT: 24.951 min Scan# 3734
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:252 Resp: 2339364

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.7	26.5
125	11.3	8.7	13.1

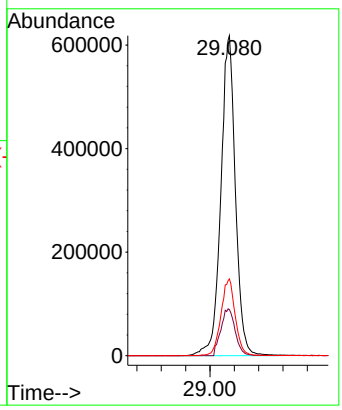




#91
Dibenzo(a,h)anthracene
Concen: 20.539 ng
RT: 29.080 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:278 Resp: 257976

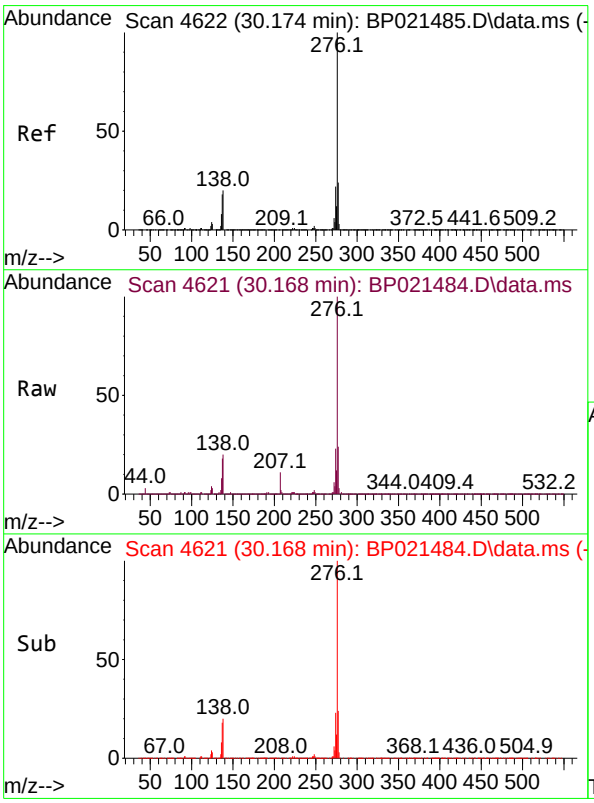
Ion	Ratio	Lower	Upper
278	100		
139	14.4	12.2	18.4
279	24.0	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

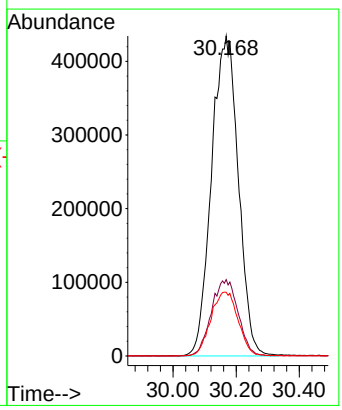
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 20.300 ng
RT: 30.168 min Scan# 4621
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:276 Resp: 2555517

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	19.9	16.0	24.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021485.D
Acq On : 13 Aug 2024 15:26
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:53:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	334672	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	1379126	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	890240	20.000	ng	0.00
64) Phenanthrene-d10	17.251	188	1905279	20.000	ng	0.00
76) Chrysene-d12	21.698	240	1820074	20.000	ng	0.00
86) Perylene-d12	25.104	264	2085332	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1804372	80.056	ng	0.00
7) Phenol-d6	6.964	99	2647910	80.535	ng	0.00
23) Nitrobenzene-d5	8.952	82	2262476	84.675	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	840745	84.855	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	4724987	81.001	ng	0.00
79) Terphenyl-d14	19.975	244	7322059	78.155	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	429612	40.199	ng	100
3) Pyridine	3.705	79	1205871m	40.419	ng	
4) n-Nitrosodimethylamine	3.617	42	356290	39.732	ng	100
6) Aniline	7.134	93	1324158	40.285	ng	100
8) 2-Chlorophenol	7.375	128	836602	40.166	ng	100
9) Benzaldehyde	6.946	77	801968	38.095	ng	100
10) Phenol	6.987	94	1368534	40.195	ng	100
11) bis(2-Chloroethyl)ether	7.228	93	1139337	39.547	ng	100
12) 1,3-Dichlorobenzene	7.699	146	972133	39.292	ng	100
13) 1,4-Dichlorobenzene	7.840	146	987045	39.509	ng	100
14) 1,2-Dichlorobenzene	8.158	146	943886	39.206	ng	100
15) Benzyl Alcohol	8.034	79	947378	40.158	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.334	45	1035140	39.016	ng	100
17) 2-Methylphenol	8.234	107	863176	40.102	ng	100
18) Hexachloroethane	8.893	117	397406	39.668	ng	100
19) n-Nitroso-di-n-propyla...	8.605	70	897052	39.497	ng	100
20) 3+4-Methylphenols	8.558	107	1176757	40.546	ng	100
22) Acetophenone	8.616	105	1688225	39.846	ng	100
24) Nitrobenzene	8.993	77	1221296	42.085	ng	100
25) Isophorone	9.522	82	2519531	39.915	ng	100
26) 2-Nitrophenol	9.699	139	259209	39.575	ng	100
27) 2,4-Dimethylphenol	9.758	122	621559	39.900	ng	100
28) bis(2-Chloroethoxy)met...	10.005	93	1515653	39.336	ng	100
29) 2,4-Dichlorophenol	10.240	162	751870	40.849	ng	100
30) 1,2,4-Trichlorobenzene	10.457	180	938177	39.757	ng	100
31) Naphthalene	10.646	128	2870666	39.845	ng	100
32) Benzoic acid	9.875	122	356582	38.509	ng	100
33) 4-Chloroaniline	10.740	127	1090714	40.303	ng	100
34) Hexachlorobutadiene	10.940	225	594148	39.989	ng	100
35) Caprolactam	11.499	113	314109	41.005	ng	100
36) 4-Chloro-3-methylphenol	11.863	107	1055054	41.323	ng	100
37) 2-Methylnaphthalene	12.263	142	1944719	39.550	ng	100
38) 1-Methylnaphthalene	12.481	142	1921454	39.621	ng	100
40) 1,2,4,5-Tetrachloroben...	12.628	216	1058707	40.588	ng	100
41) Hexachlorocyclopentadiene	12.622	237	341369	41.293	ng	100
43) 2,4,6-Trichlorophenol	12.869	196	610003	42.100	ng	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021485.D
Acq On : 13 Aug 2024 15:26
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:53:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	680956	42.300	ng	100
46) 1,1'-Biphenyl	13.281	154	2542708	40.370	ng	100
47) 2-Chloronaphthalene	13.316	162	1987834	40.538	ng	100
48) 2-Nitroaniline	13.504	65	506883	38.074	ng	100
49) Acenaphthylene	14.169	152	2928814	40.630	ng	100
50) Dimethylphthalate	13.910	163	2408078	40.392	ng	100
51) 2,6-Dinitrotoluene	14.022	165	454687	38.650	ng	100
52) Acenaphthene	14.522	154	1911119	40.406	ng	100
53) 3-Nitroaniline	14.351	138	452937	39.107	ng	100
54) 2,4-Dinitrophenol	14.551	184	116797	38.943	ng	100
55) Dibenzofuran	14.857	168	2936517	40.359	ng	100
56) 4-Nitrophenol	14.651	139	358912	39.073	ng	100
57) 2,4-Dinitrotoluene	14.810	165	570222	38.397	ng	100
58) Fluorene	15.516	166	2410461	40.326	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.087	232	584357	42.766	ng	100
60) Diethylphthalate	15.304	149	2486968	40.656	ng	100
61) 4-Chlorophenyl-phenyle...	15.522	204	1236572	40.022	ng	100
62) 4-Nitroaniline	15.528	138	485672	40.451	ng	100
63) Azobenzene	15.822	77	3052445	40.594	ng	100
65) 4,6-Dinitro-2-methylph...	15.587	198	199156	38.603	ng	100
66) n-Nitrosodiphenylamine	15.740	169	2051265	40.175	ng	100
67) 4-Bromophenyl-phenylether	16.439	248	790673	39.211	ng	100
68) Hexachlorobenzene	16.551	284	958921	40.240	ng	100
69) Atrazine	16.716	200	726072	41.419	ng	100
70) Pentachlorophenol	16.892	266	520400	40.011	ng	100
71) Phenanthrene	17.298	178	3678868	40.150	ng	100
72) Anthracene	17.398	178	3619950	40.283	ng	100
73) Carbazole	17.669	167	3543089	40.912	ng	100
74) Di-n-butylphthalate	18.275	149	4378720	41.170	ng	100
75) Fluoranthene	19.381	202	4572881	40.674	ng	100
77) Benzidine	19.575	184	1735103	41.023	ng	100
78) Pyrene	19.751	202	4694393	39.461	ng	100
80) Butylbenzylphthalate	20.710	149	1712106	38.676	ng	100
81) Benzo(a)anthracene	21.680	228	4615389	40.395	ng	100
82) 3,3'-Dichlorobenzidine	21.610	252	1559563	42.572	ng	100
83) Chrysene	21.751	228	4358695	40.405	ng	100
84) Bis(2-ethylhexyl)phtha...	21.645	149	2841806	42.082	ng	100
85) Di-n-octyl phthalate	22.963	149	4538217	39.238	ng	100
87) Indeno(1,2,3-cd)pyrene	28.992	276	5533549m	40.941	ng	
88) Benzo(b)fluoranthene	24.027	252	4815875	40.211	ng	100
89) Benzo(k)fluoranthene	24.110	252	4757000	40.717	ng	100
90) Benzo(a)pyrene	24.951	252	4221348	40.616	ng	100
91) Dibenzo(a,h)anthracene	29.086	278	4594554	40.908	ng	100
92) Benzo(g,h,i)perylene	30.174	276	4595577	40.824	ng	100

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

ICAL Form

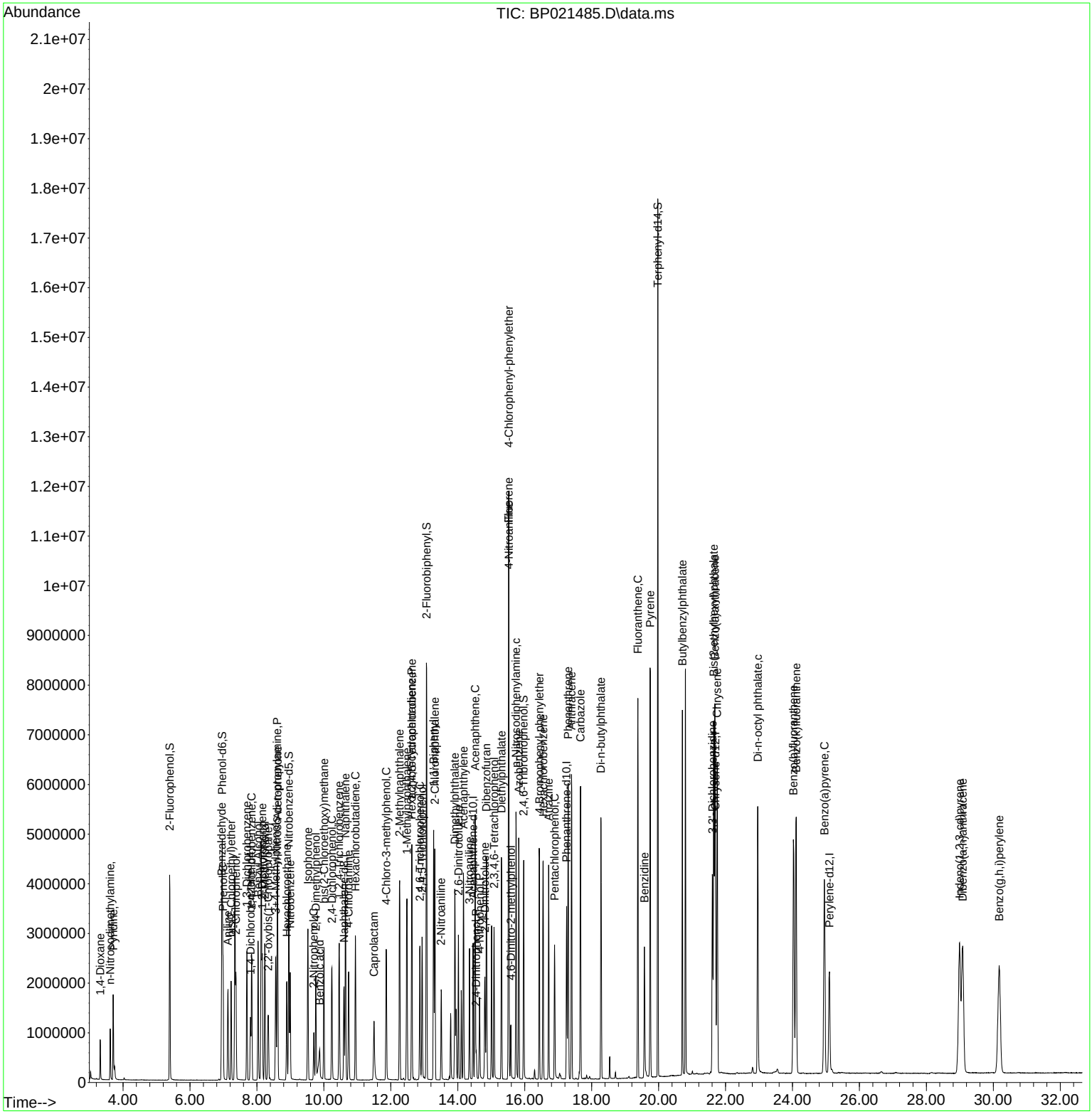
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021485.D
Acq On : 13 Aug 2024 15:26
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

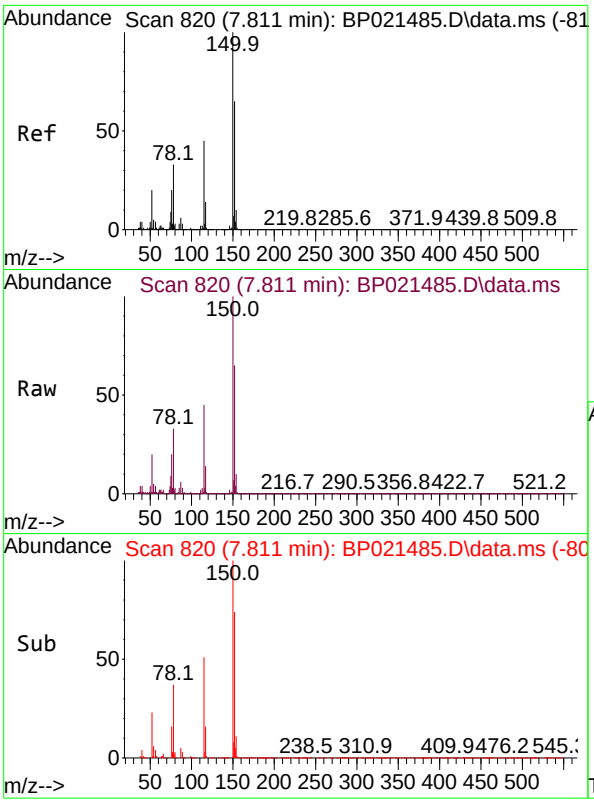
Quant Time: Aug 13 23:53:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

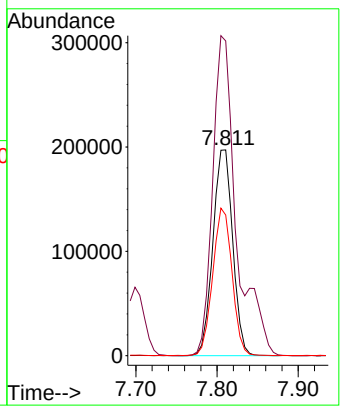




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.811 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:152 Resp: 33467

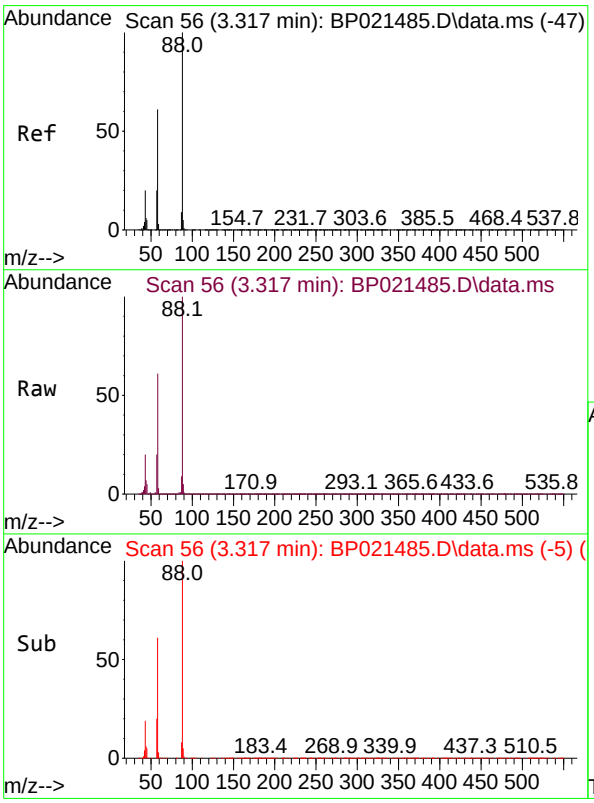
Ion	Ratio	Lower	Upper
152	100		
150	153.0	122.4	183.6
115	68.4	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

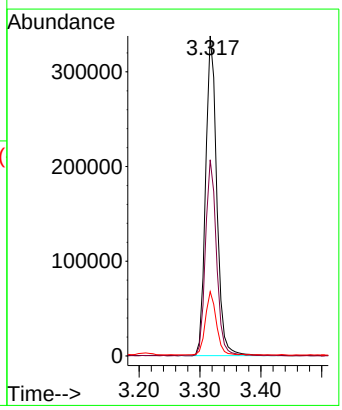
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

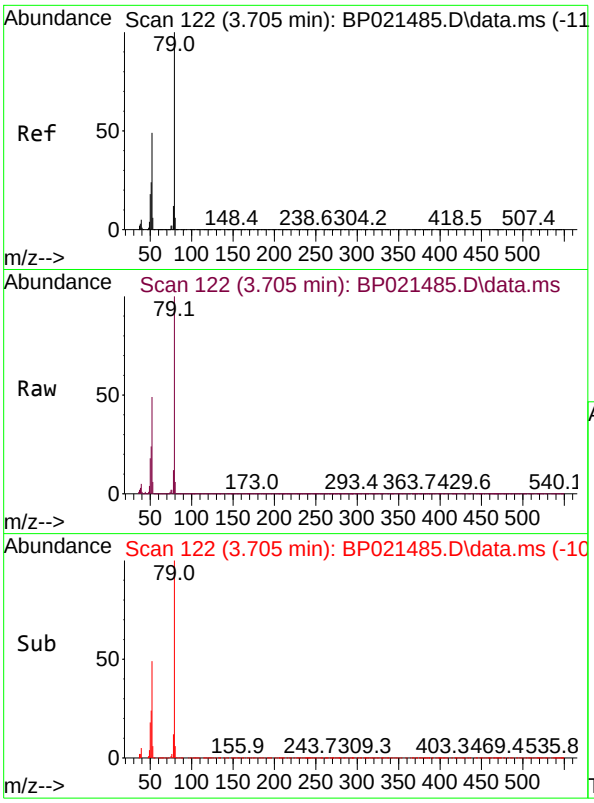


#2
1,4-Dioxane
Concen: 40.199 ng
RT: 3.317 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 88 Resp: 429612

Ion	Ratio	Lower	Upper
88	100		
58	60.9	48.7	73.1
43	19.3	15.4	23.2

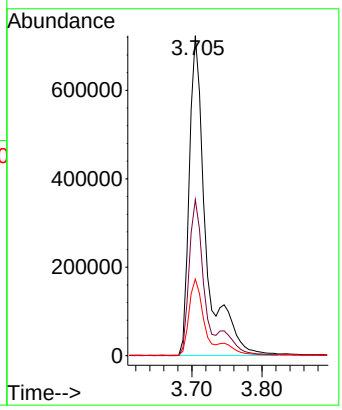




#3
Pyridine
Concen: 40.419 ng m
RT: 3.705 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 79 Resp: 120587

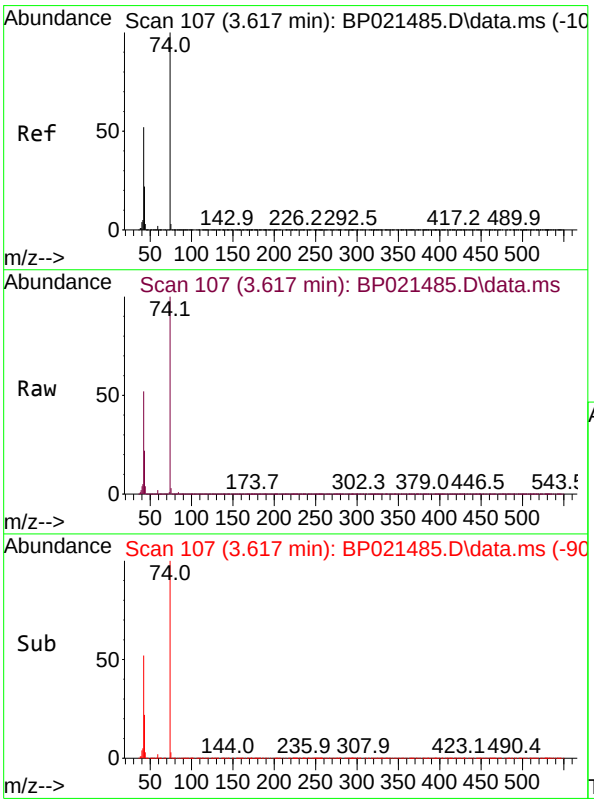
Ion	Ratio	Lower	Upper
79	100		
52	48.8	39.0	58.6
51	24.0	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

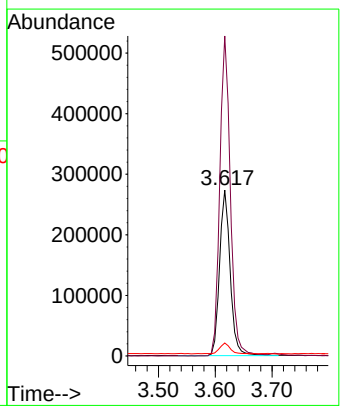
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

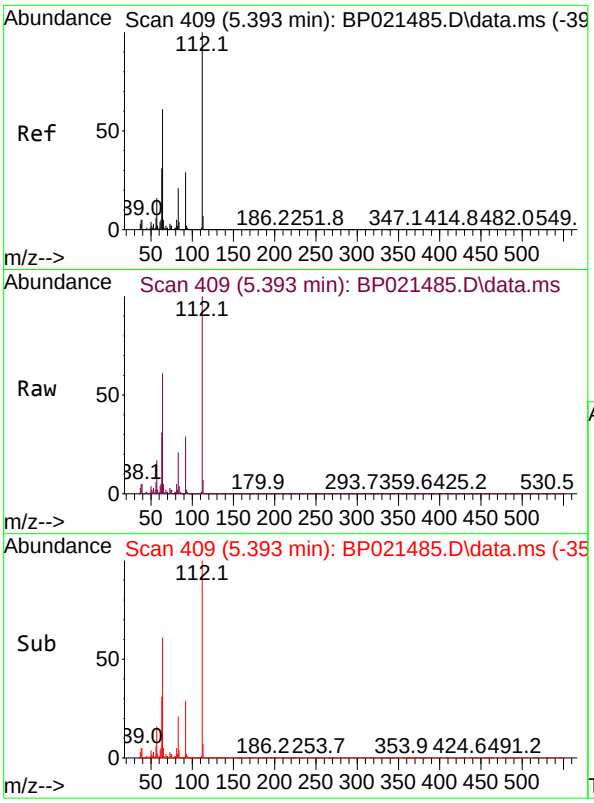


#4
n-Nitrosodimethylamine
Concen: 39.732 ng
RT: 3.617 min Scan# 107
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 42 Resp: 356290

Ion	Ratio	Lower	Upper
42	100		
74	192.9	154.3	231.5
44	7.8	6.2	9.4

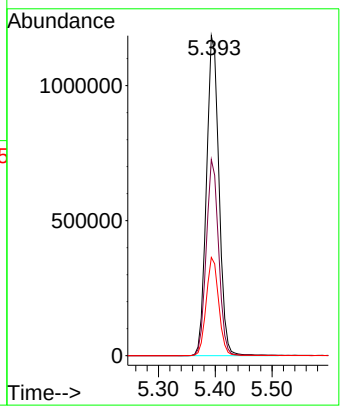




#5
2-Fluorophenol
Concen: 80.056 ng
RT: 5.393 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:112 Resp: 180437

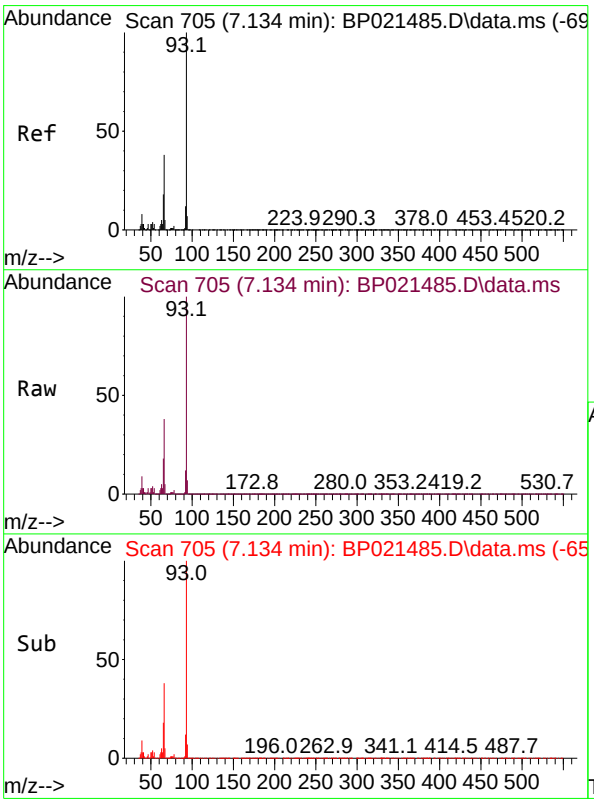
Ion	Ratio	Lower	Upper
112	100		
64	61.3	49.0	73.6
63	30.7	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

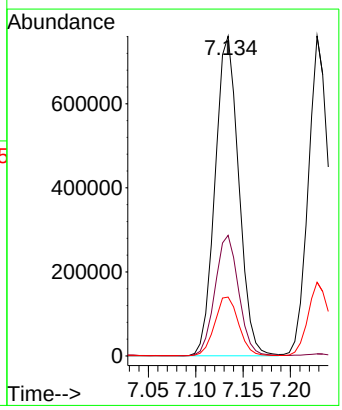
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

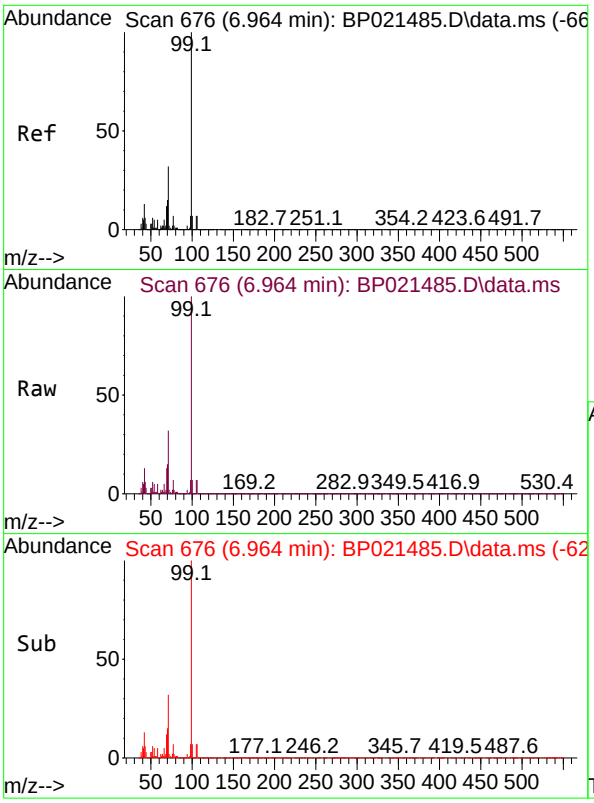


#6
Aniline
Concen: 40.285 ng
RT: 7.134 min Scan# 705
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 93 Resp: 1324158

Ion	Ratio	Lower	Upper
93	100		
66	37.7	30.2	45.2
65	18.4	14.7	22.1

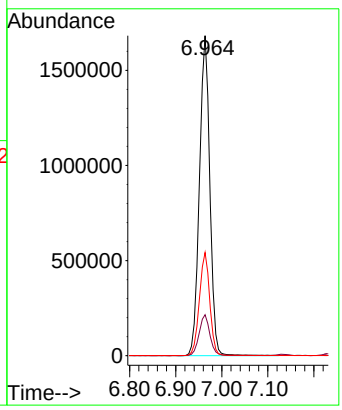




#7
Phenol-d6
Concen: 80.535 ng
RT: 6.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 99 Resp: 264791

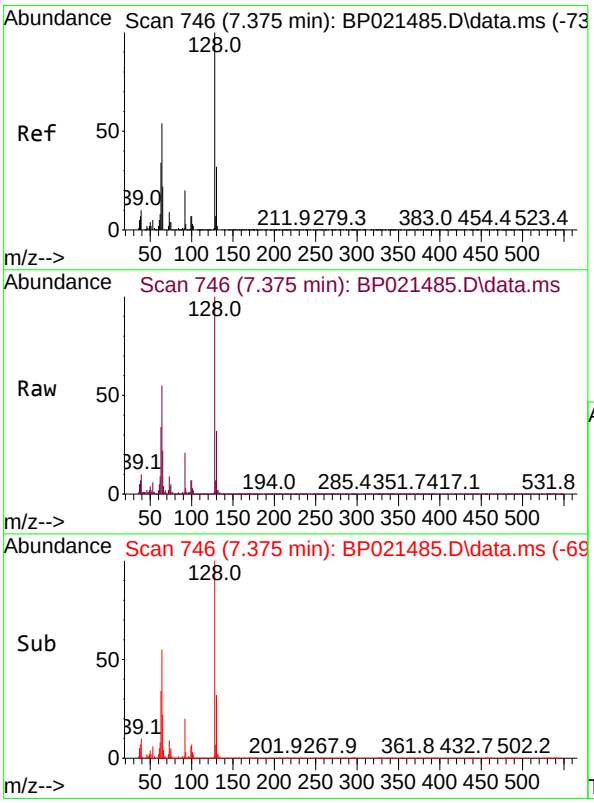
Ion	Ratio	Lower	Upper
99	100		
42	12.8	10.2	15.4
71	32.3	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

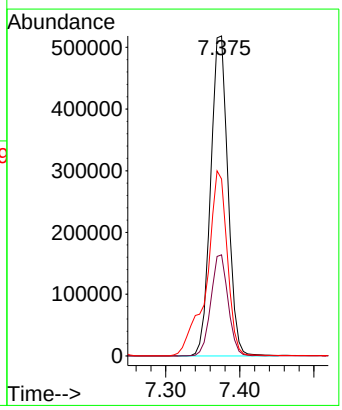
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

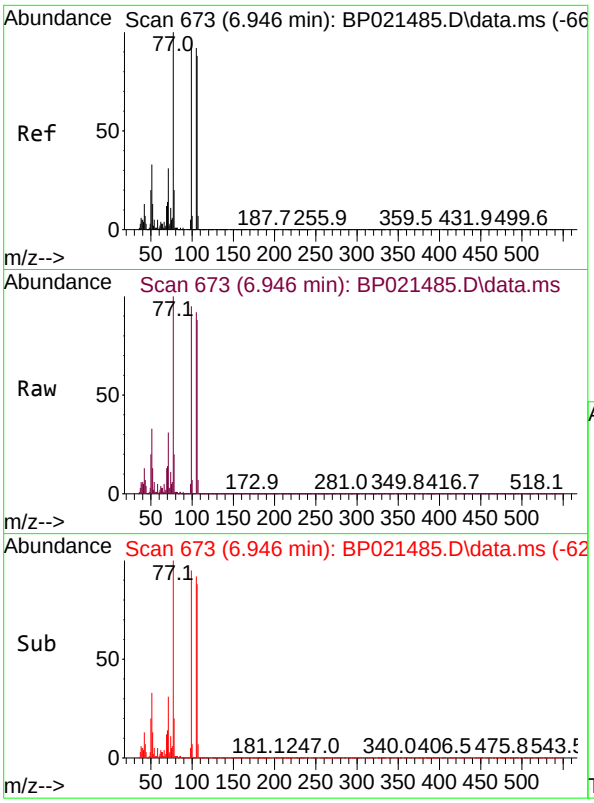


#8
2-Chlorophenol
Concen: 40.166 ng
RT: 7.375 min Scan# 746
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:128 Resp: 836602

Ion	Ratio	Lower	Upper
128	100		
130	31.6	11.6	51.6
64	55.3	35.3	75.3

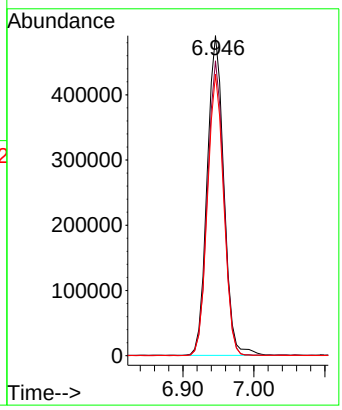




#9
Benzaldehyde
Concen: 38.095 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 77 Resp: 80196

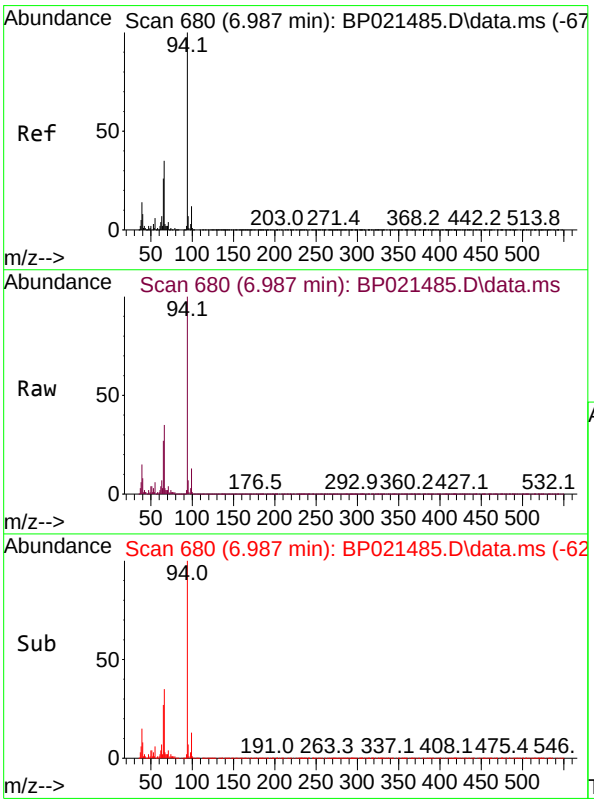
Ion	Ratio	Lower	Upper
77	100		
105	92.1	72.1	112.1
106	87.9	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

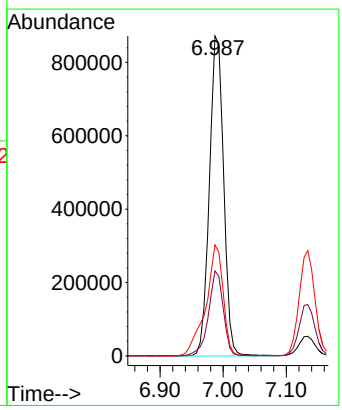
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

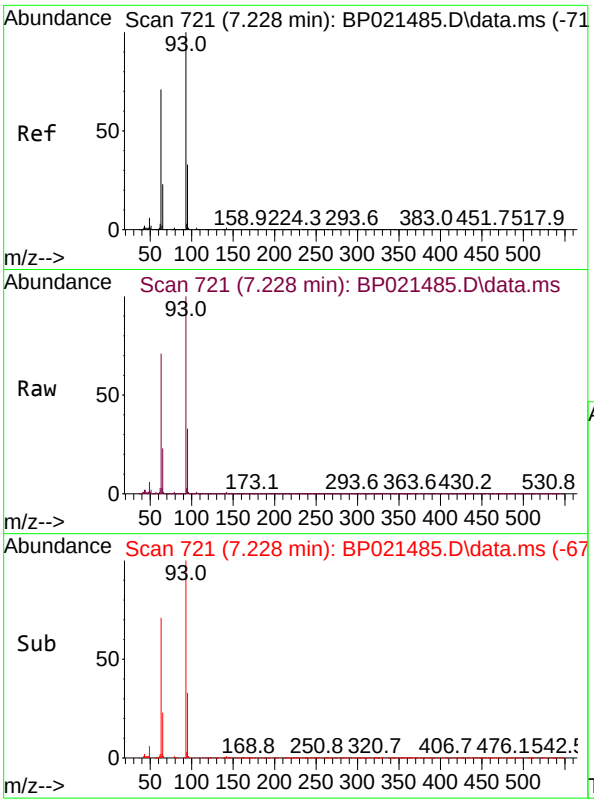


#10
Phenol
Concen: 40.195 ng
RT: 6.987 min Scan# 680
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 94 Resp: 1368534

Ion	Ratio	Lower	Upper
94	100		
65	26.5	6.5	46.5
66	34.7	14.7	54.7





#11
bis(2-Chloroethyl)ether
Concen: 39.547 ng
RT: 7.228 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

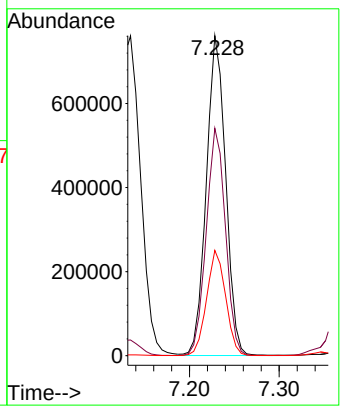
Tgt Ion: 93 Resp: 113933

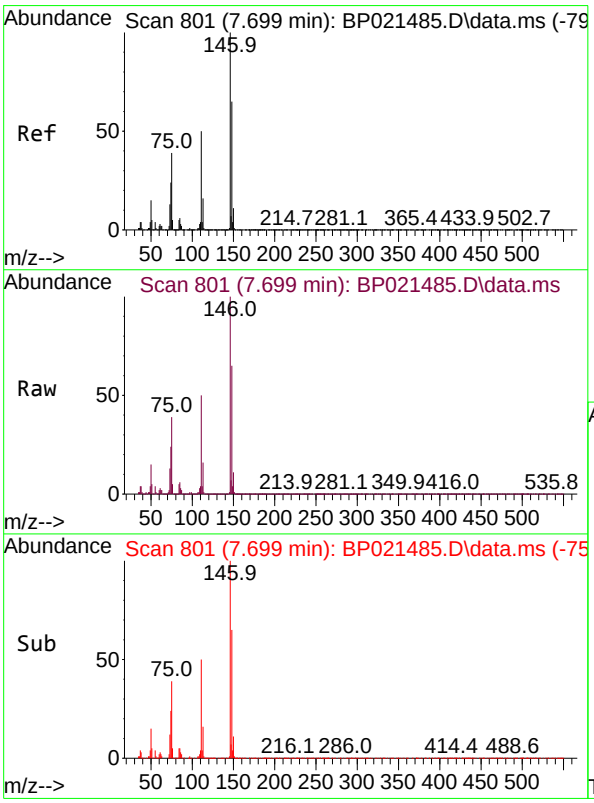
Ion	Ratio	Lower	Upper
93	100		
63	71.0	51.0	91.0
95	32.9	12.9	52.9

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

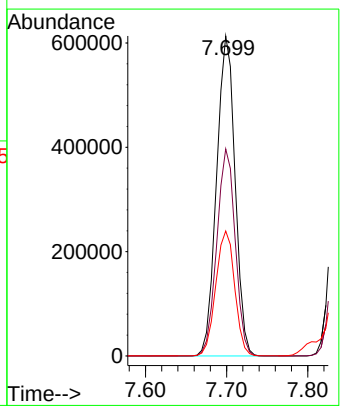


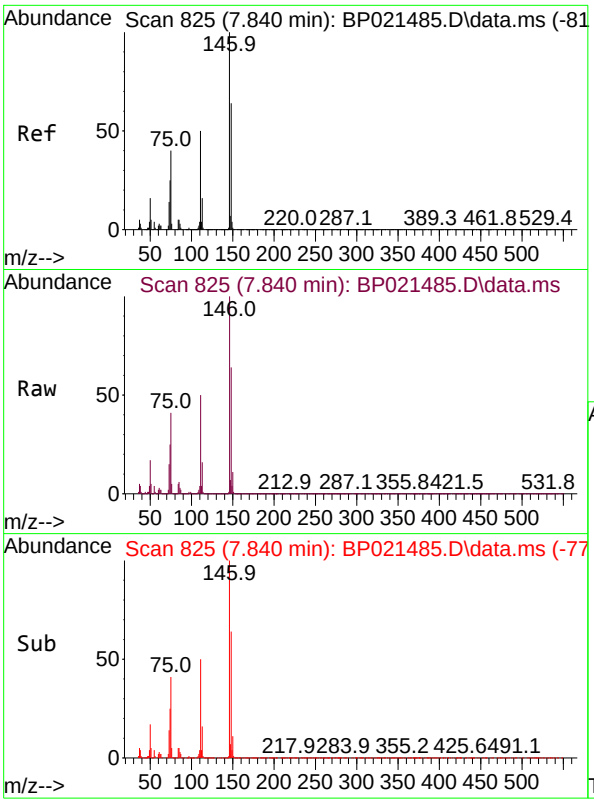


#12
1,3-Dichlorobenzene
Concen: 39.292 ng
RT: 7.699 min Scan# 801
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:146 Resp: 972133

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.8	77.6
75	39.1	31.3	46.9

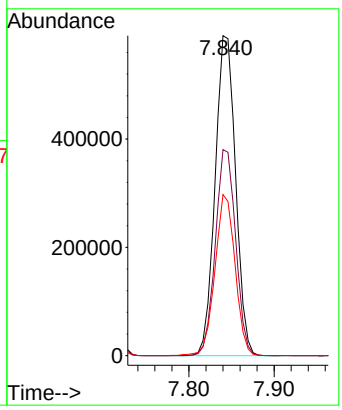




#13
1,4-Dichlorobenzene
Concen: 39.509 ng
RT: 7.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:146 Resp: 98704

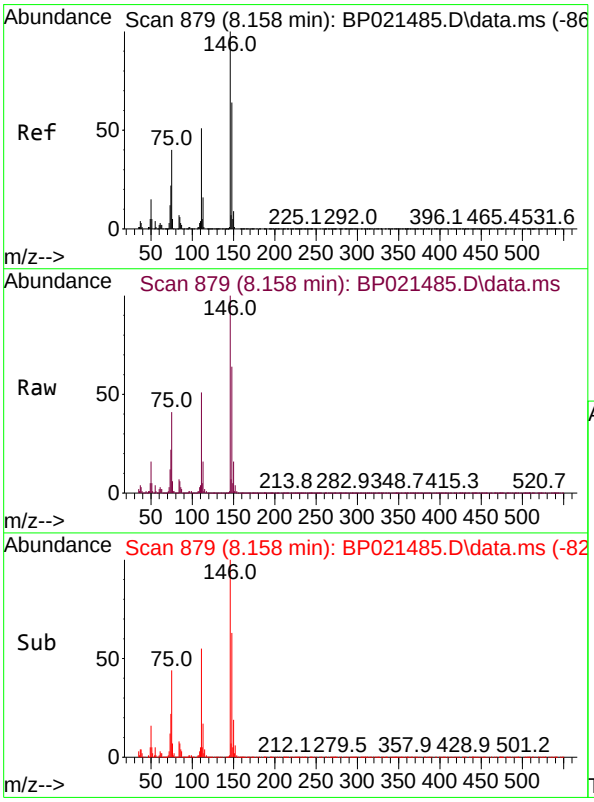
Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	50.4	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

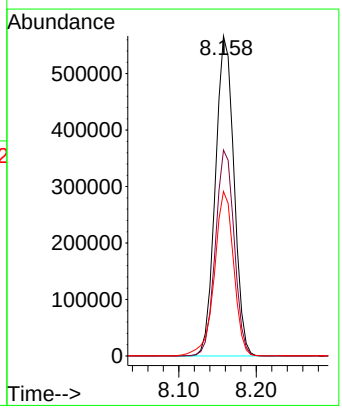
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

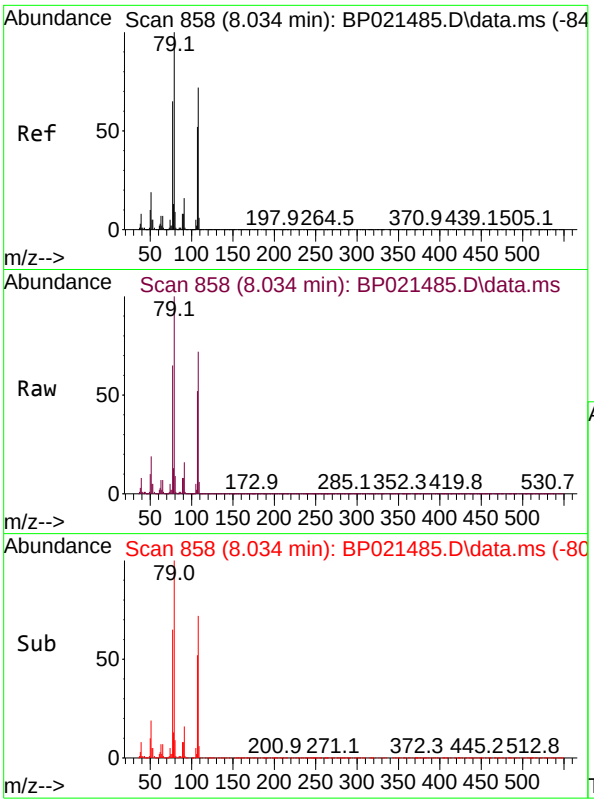


#14
1,2-Dichlorobenzene
Concen: 39.206 ng
RT: 8.158 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:146 Resp: 943886

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	51.4	41.1	61.7

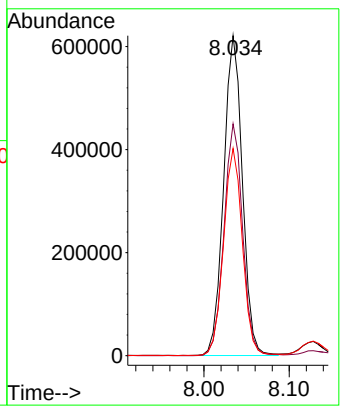




#15
Benzyl Alcohol
Concen: 40.158 ng
RT: 8.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 79 Resp: 94737

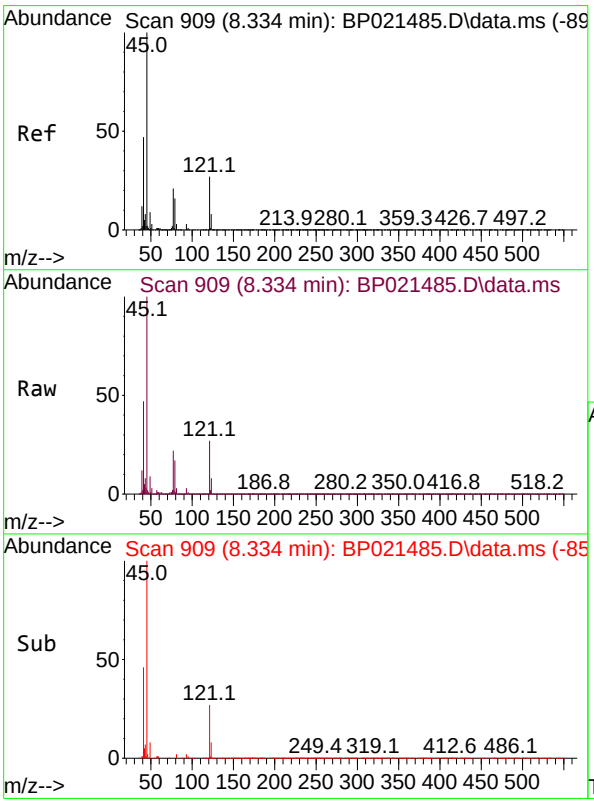
Ion	Ratio	Lower	Upper
79	100		
108	72.4	57.9	86.9
77	64.8	51.8	77.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

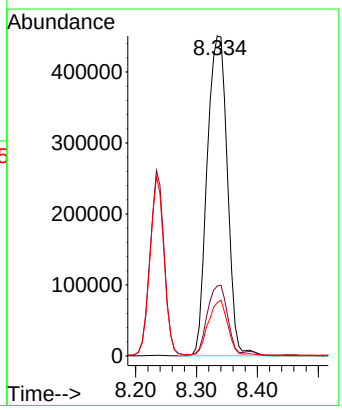
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

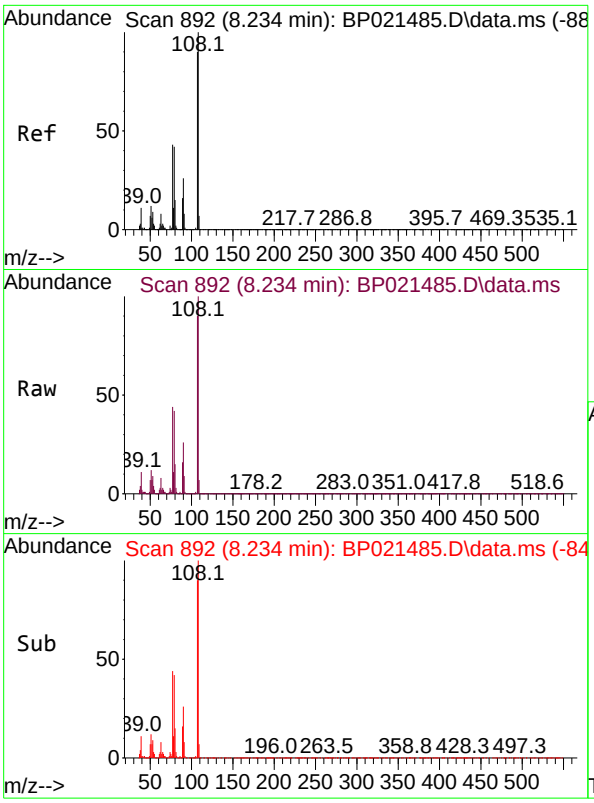


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.016 ng
RT: 8.334 min Scan# 909
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 45 Resp: 1035140

Ion	Ratio	Lower	Upper
45	100		
77	21.9	1.9	41.9
79	16.6	0.0	36.6

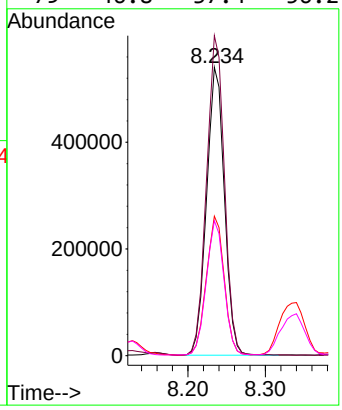




#17
2-Methylphenol
Concen: 40.102 ng
RT: 8.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:107 Resp: 86317

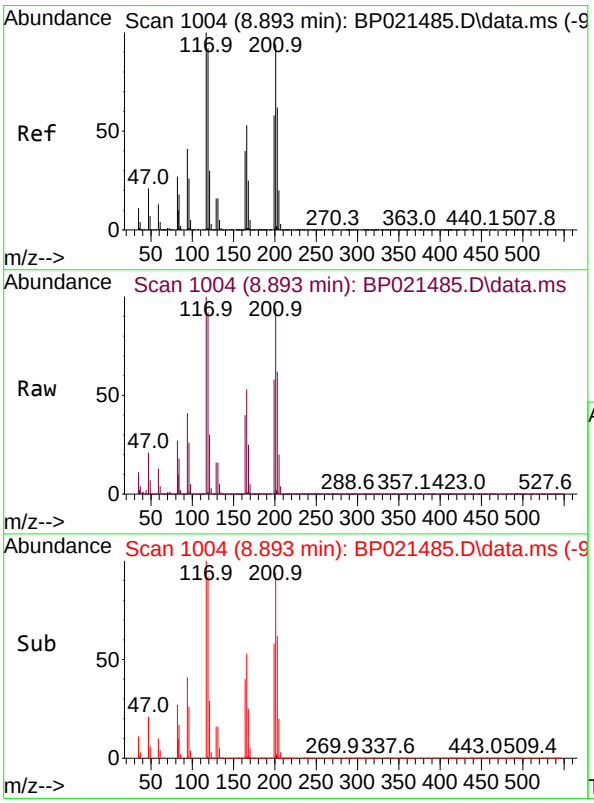
Ion	Ratio	Lower	Upper
107	100		
108	111.0	88.8	133.2
77	48.4	38.7	58.1
79	46.8	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

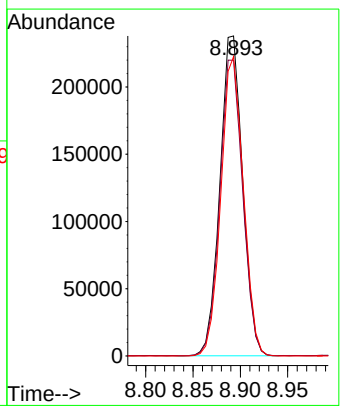
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

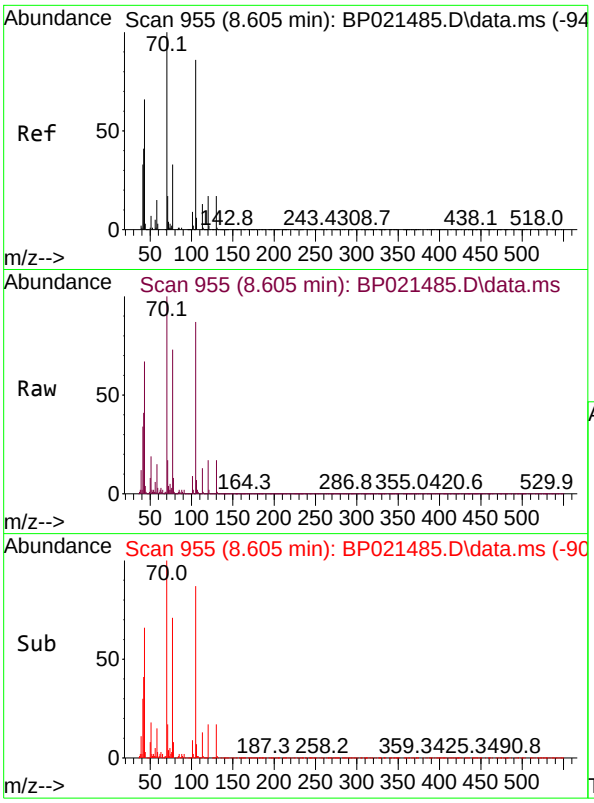


#18
Hexachloroethane
Concen: 39.668 ng
RT: 8.893 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:117 Resp: 397406

Ion	Ratio	Lower	Upper
117	100		
119	92.4	73.9	110.9
201	93.6	74.9	112.3

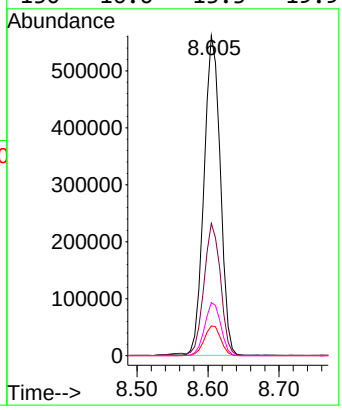




#19
n-Nitroso-di-n-propylamine
Concen: 39.497 ng
RT: 8.605 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 70 Resp: 89705

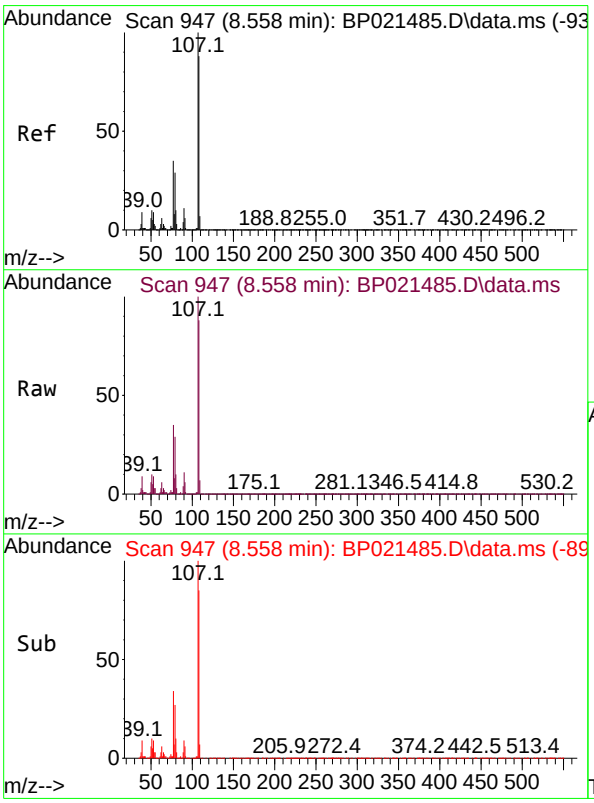
Ion	Ratio	Lower	Upper
70	100		
42	41.4	33.1	49.7
101	9.3	7.4	11.2
130	16.6	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

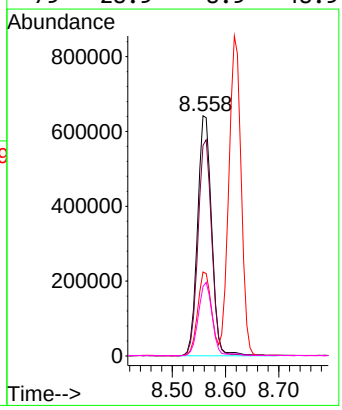
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

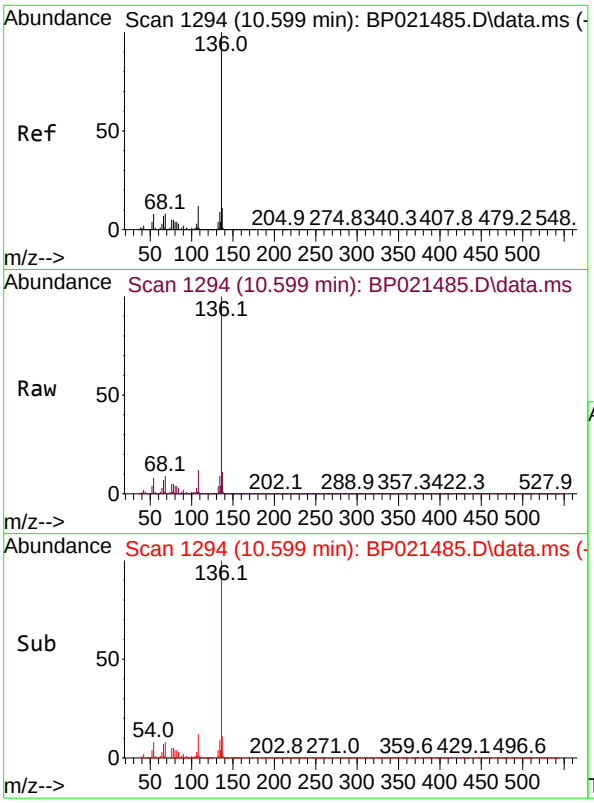


#20
3+4-Methylphenols
Concen: 40.546 ng
RT: 8.558 min Scan# 947
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:107 Resp: 1176757

Ion	Ratio	Lower	Upper
107	100		
108	87.6	67.6	107.6
77	35.0	15.0	55.0
79	28.9	8.9	48.9

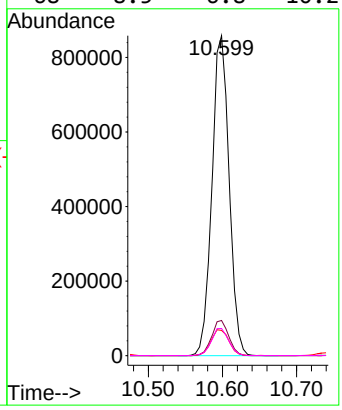




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:136 Resp: 137912

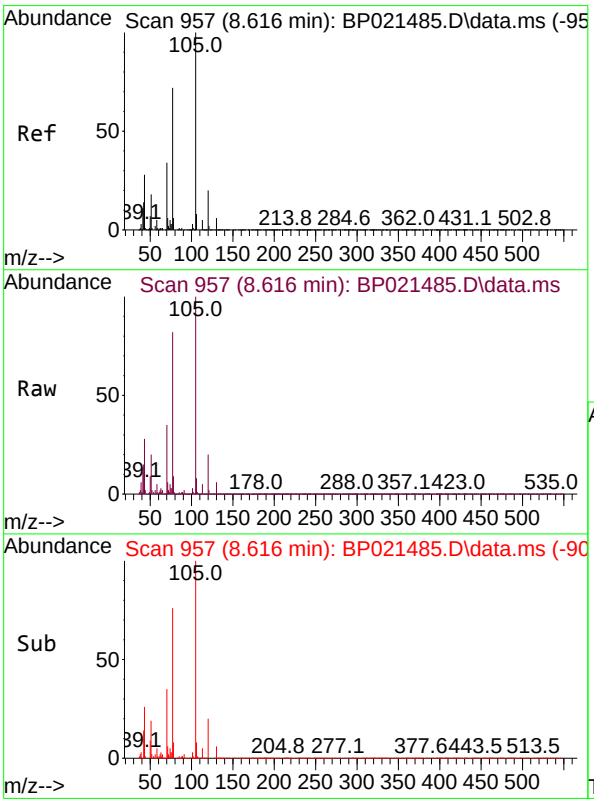
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.9	6.3	9.5
68	8.5	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

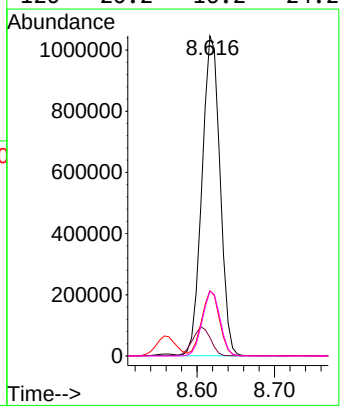
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

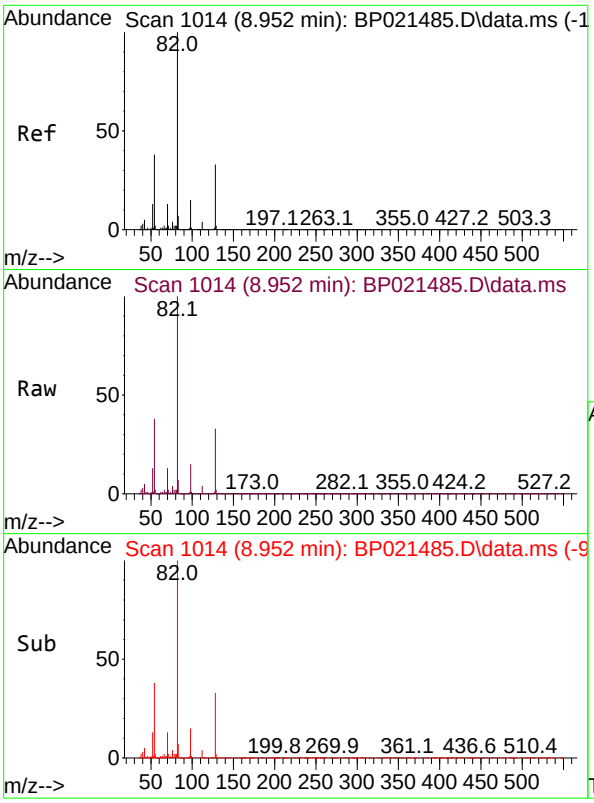


#22
Acetophenone
Concen: 39.846 ng
RT: 8.616 min Scan# 957
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:105 Resp: 1688225

Ion	Ratio	Lower	Upper
105	100		
71	5.8	4.6	7.0
51	20.4	16.3	24.5
120	20.2	16.2	24.2

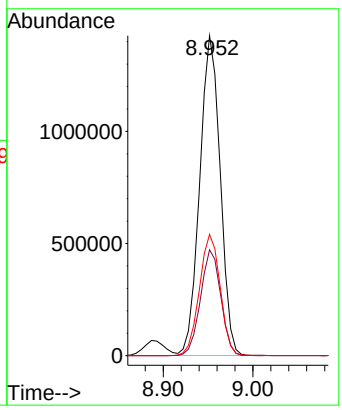




#23
Nitrobenzene-d5
Concen: 84.675 ng
RT: 8.952 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 82 Resp: 226247

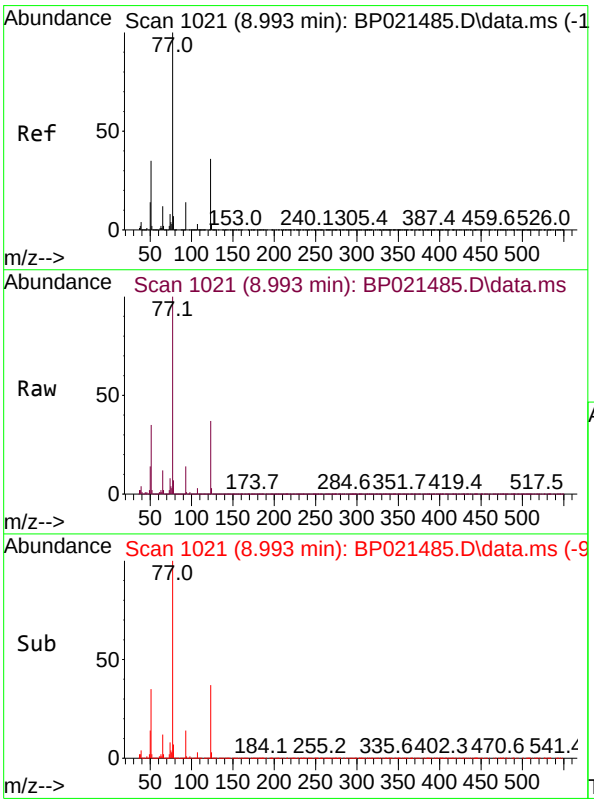
Ion	Ratio	Lower	Upper
82	100		
128	33.1	26.5	39.7
54	37.9	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

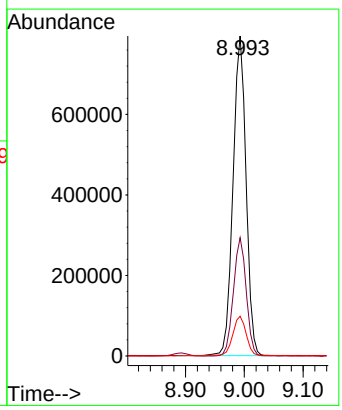
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

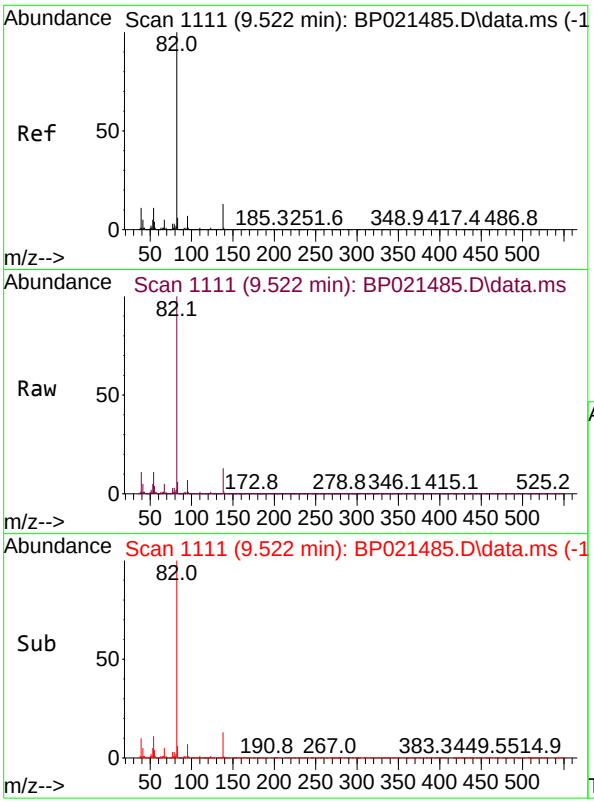


#24
Nitrobenzene
Concen: 42.085 ng
RT: 8.993 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 77 Resp: 1221296

Ion	Ratio	Lower	Upper
77	100		
123	36.9	29.5	44.3
65	12.4	9.9	14.9

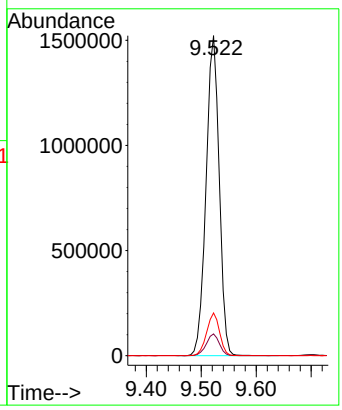




#25
Isophorone
Concen: 39.915 ng
RT: 9.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 82 Resp: 251953

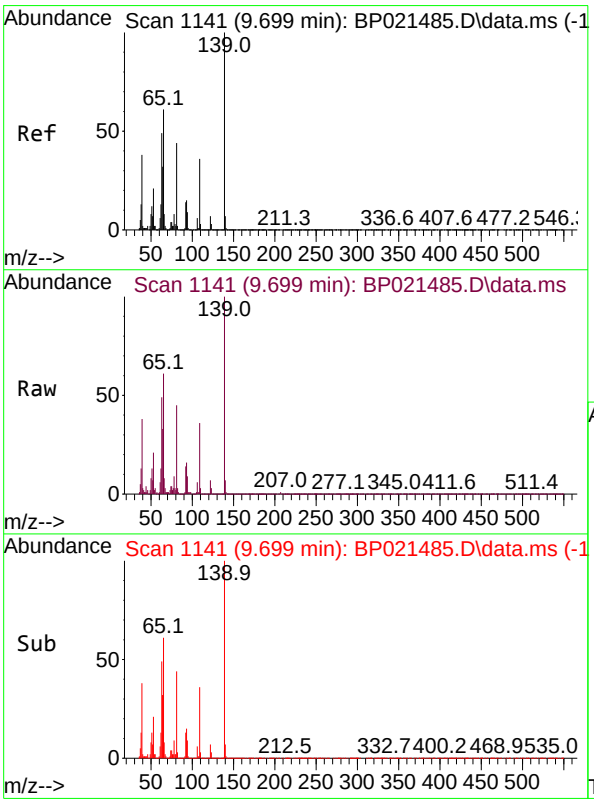
Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

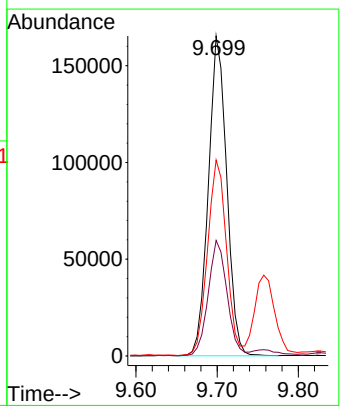
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

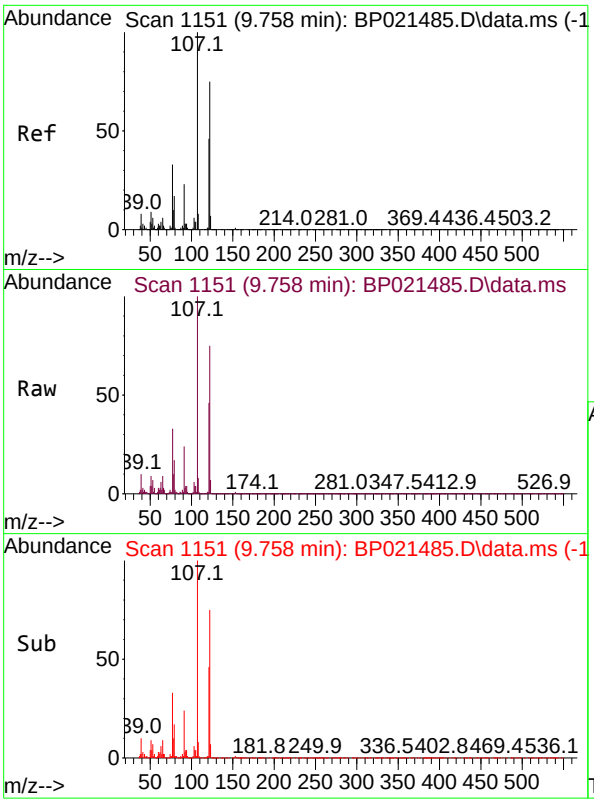


#26
2-Nitrophenol
Concen: 39.575 ng
RT: 9.699 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:139 Resp: 259209

Ion	Ratio	Lower	Upper
139	100		
109	36.1	28.9	43.3
65	61.3	49.0	73.6

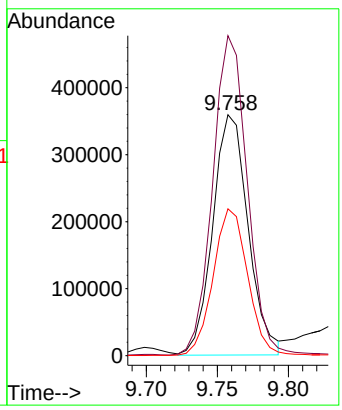




#27
2,4-Dimethylphenol
Concen: 39.900 ng
RT: 9.758 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:122 Resp: 62155

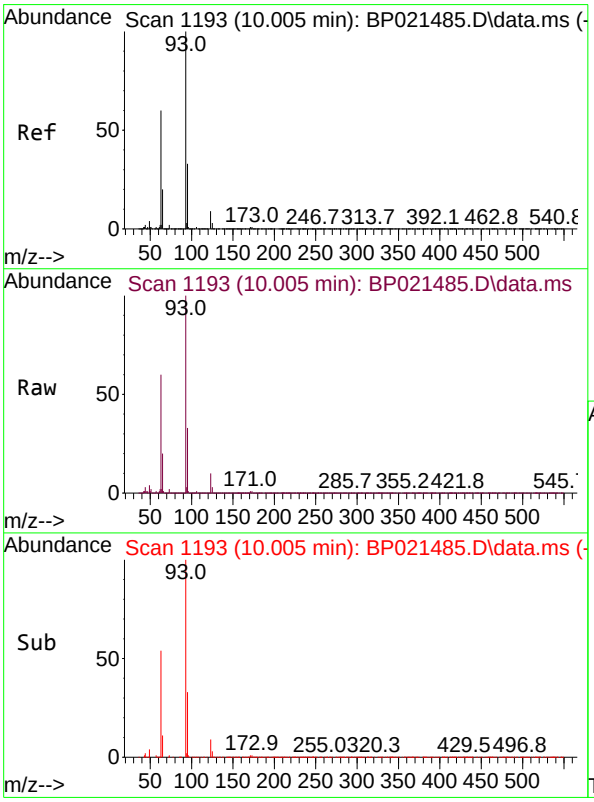
Ion	Ratio	Lower	Upper
122	100		
107	132.8	106.2	159.4
121	61.0	48.8	73.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

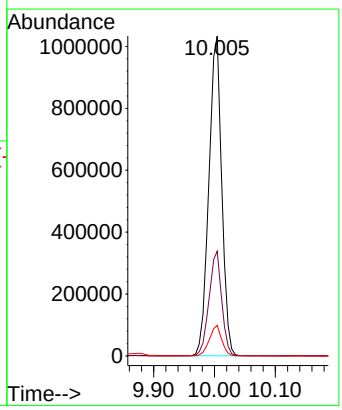
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

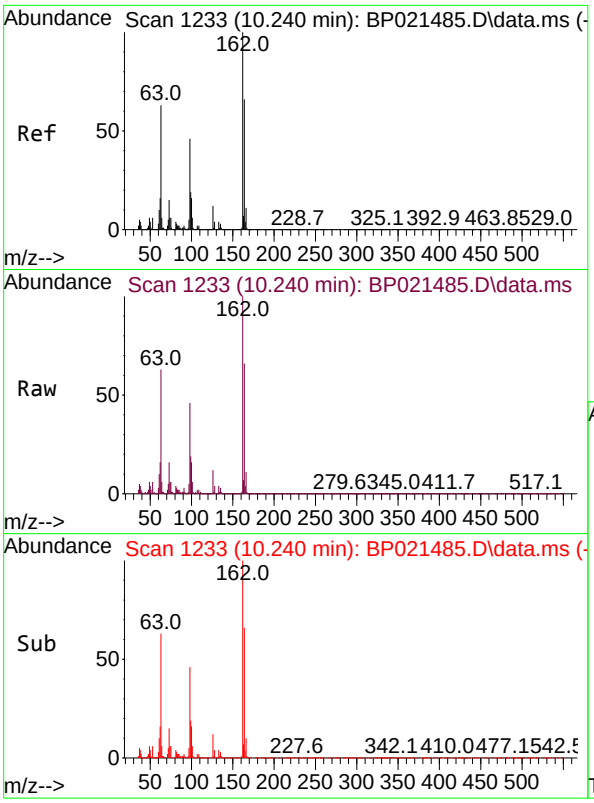


#28
bis(2-Chloroethoxy)methane
Concen: 39.336 ng
RT: 10.005 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 93 Resp: 1515653

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	9.5	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 40.849 ng
RT: 10.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

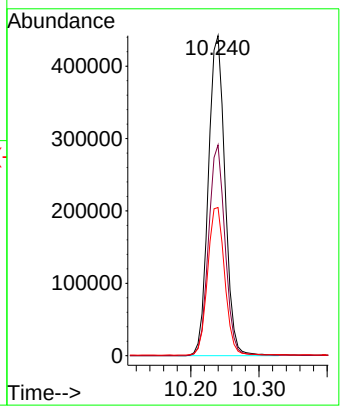
Tgt Ion:162 Resp: 75187

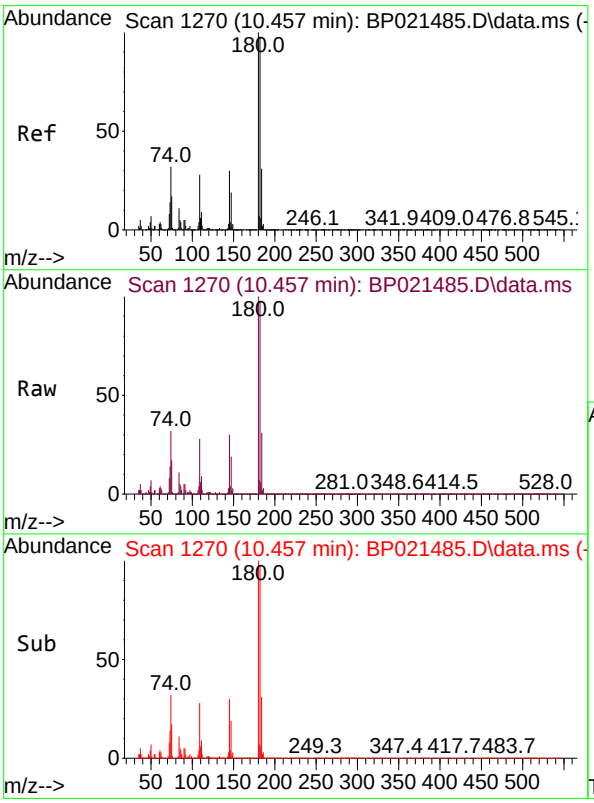
Ion	Ratio	Lower	Upper
162	100		
164	65.9	45.9	85.9
98	46.3	26.3	66.3

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

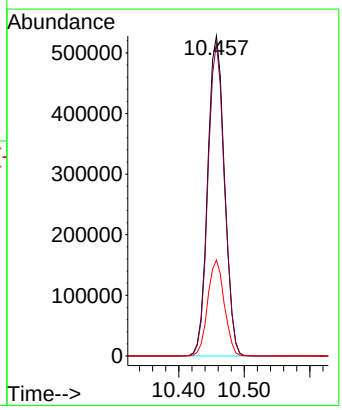


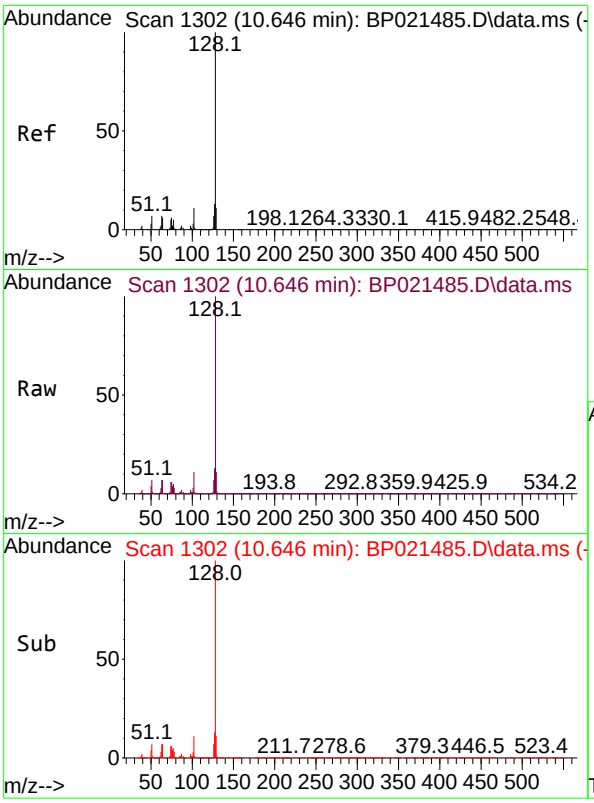


#30
1,2,4-Trichlorobenzene
Concen: 39.757 ng
RT: 10.457 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:180 Resp: 938177

Ion	Ratio	Lower	Upper
180	100		
182	97.9	78.3	117.5
145	30.0	24.0	36.0

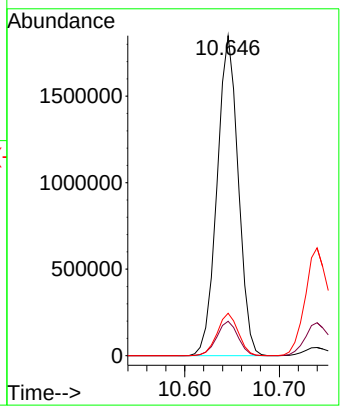




#31
Naphthalene
Concen: 39.845 ng
RT: 10.646 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:128 Resp: 287066

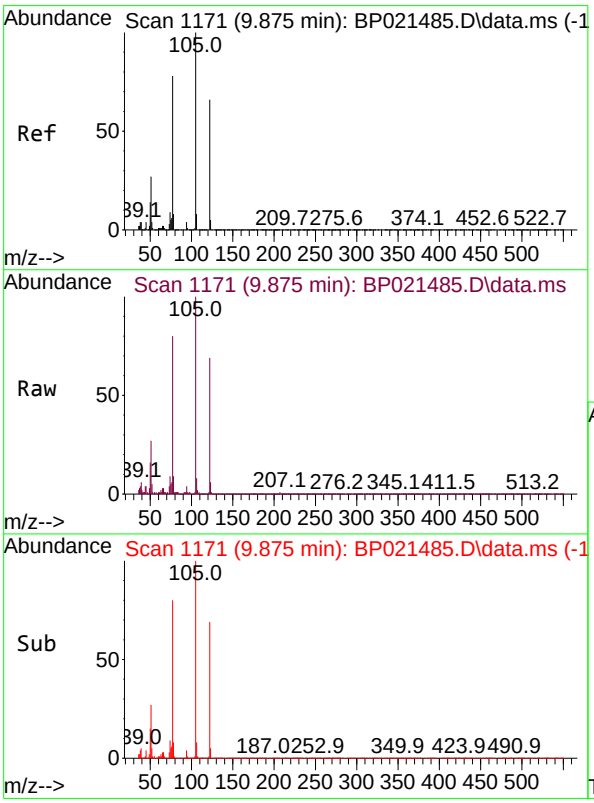
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.2	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

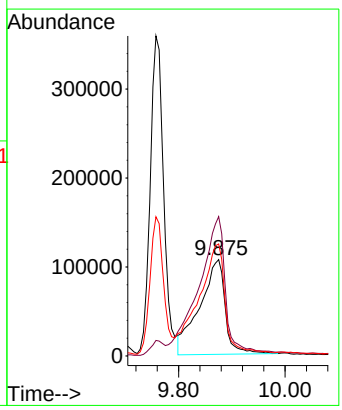
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

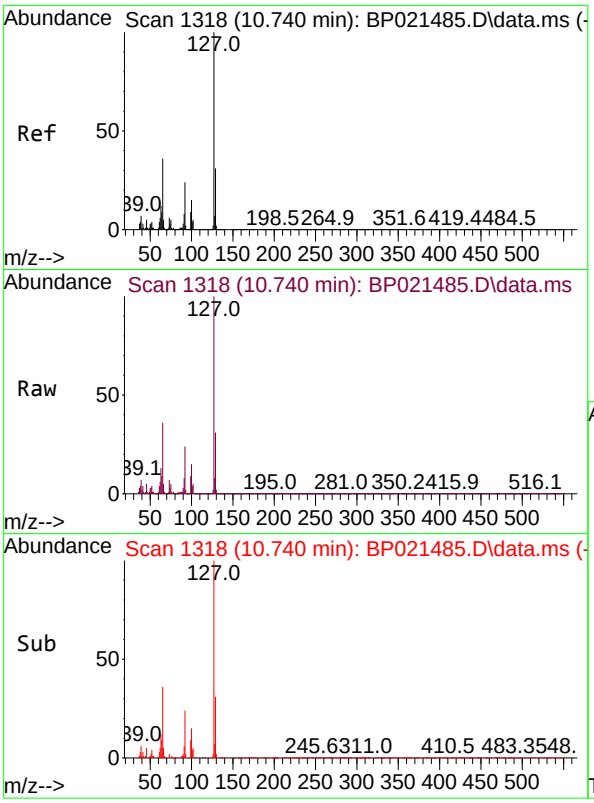


#32
Benzoic acid
Concen: 38.509 ng
RT: 9.875 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:122 Resp: 356582

Ion	Ratio	Lower	Upper
122	100		
105	144.6	124.6	164.6
77	116.2	96.2	136.2

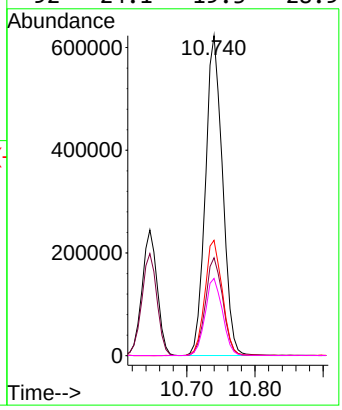




#33
4-Chloroaniline
Concen: 40.303 ng
RT: 10.740 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:127 Resp: 109071

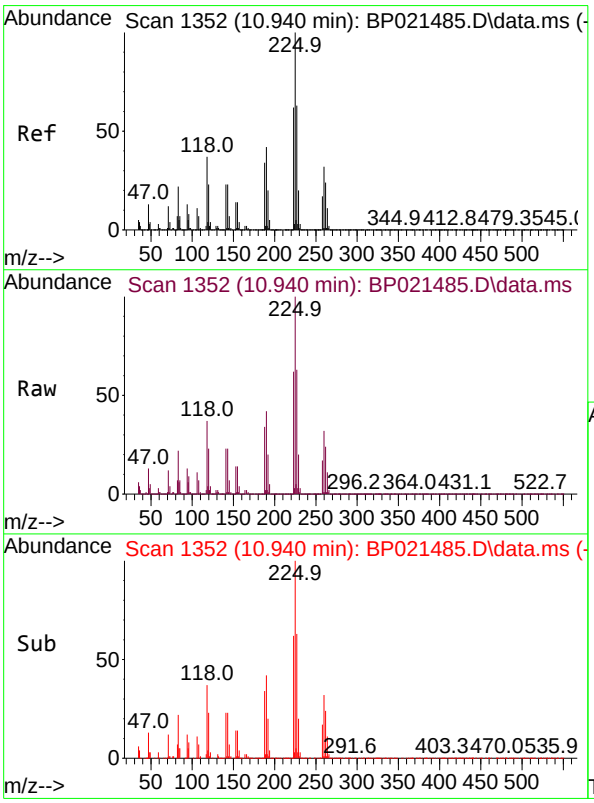
Ion	Ratio	Lower	Upper
127	100		
129	30.6	24.5	36.7
65	36.1	28.9	43.3
92	24.1	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

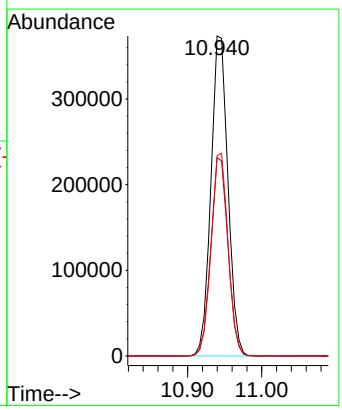
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

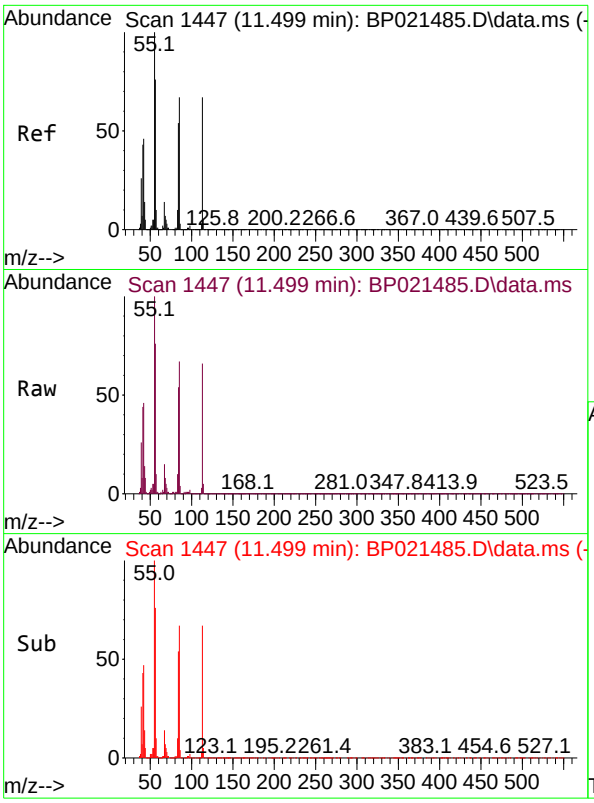


#34
Hexachlorobutadiene
Concen: 39.989 ng
RT: 10.940 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:225 Resp: 594148

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.6	74.4
227	62.6	50.1	75.1





#35
Caprolactam
Concen: 41.005 ng
RT: 11.499 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

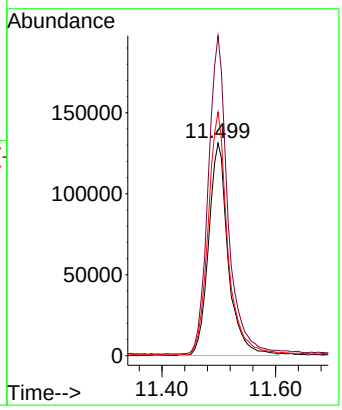
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

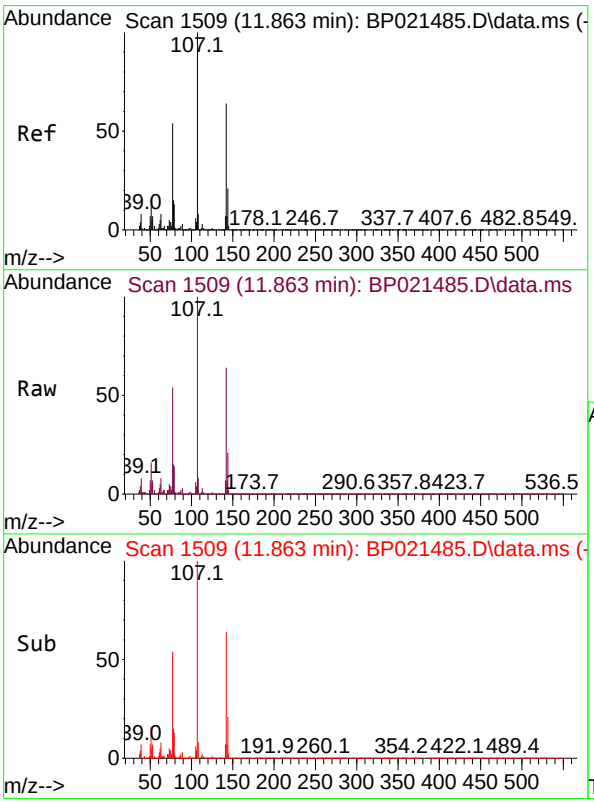
Tgt Ion:113 Resp: 314109

Ion	Ratio	Lower	Upper
113	100		
55	150.6	130.6	170.6
56	114.6	94.6	134.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

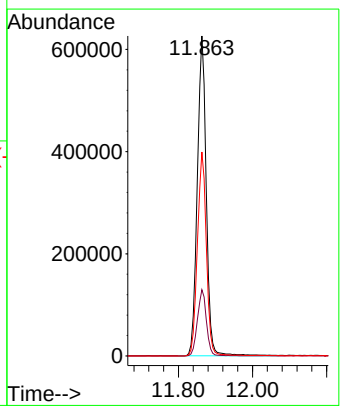


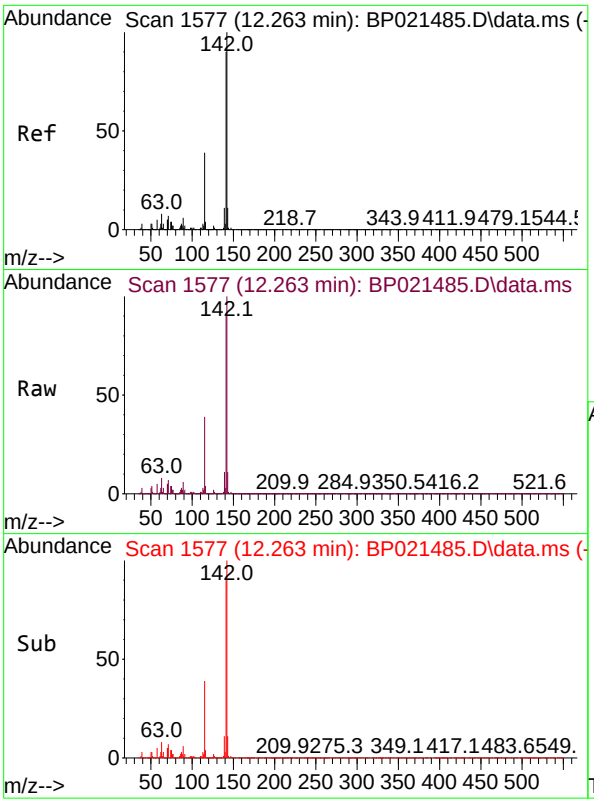


#36
4-Chloro-3-methylphenol
Concen: 41.323 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:107 Resp: 1055054

Ion	Ratio	Lower	Upper
107	100		
144	20.7	16.6	24.8
142	63.7	51.0	76.4

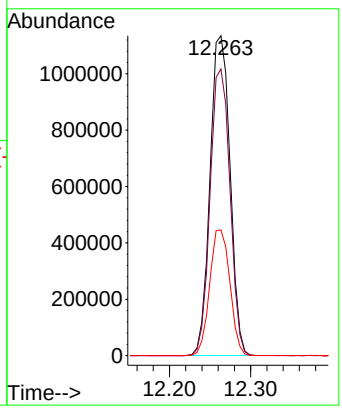




#37
2-Methylnaphthalene
Concen: 39.550 ng
RT: 12.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:142 Resp: 194471

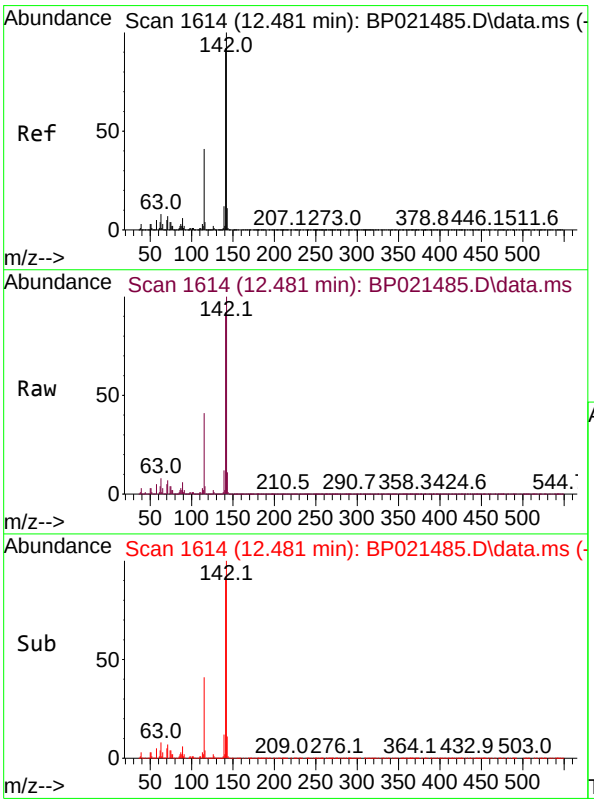
Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.7	107.5
115	39.3	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

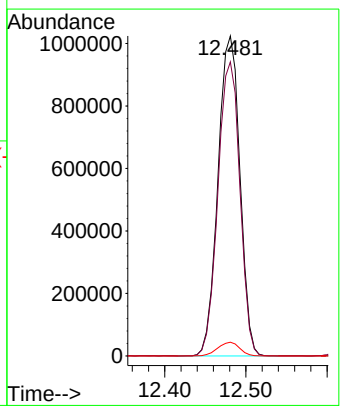
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

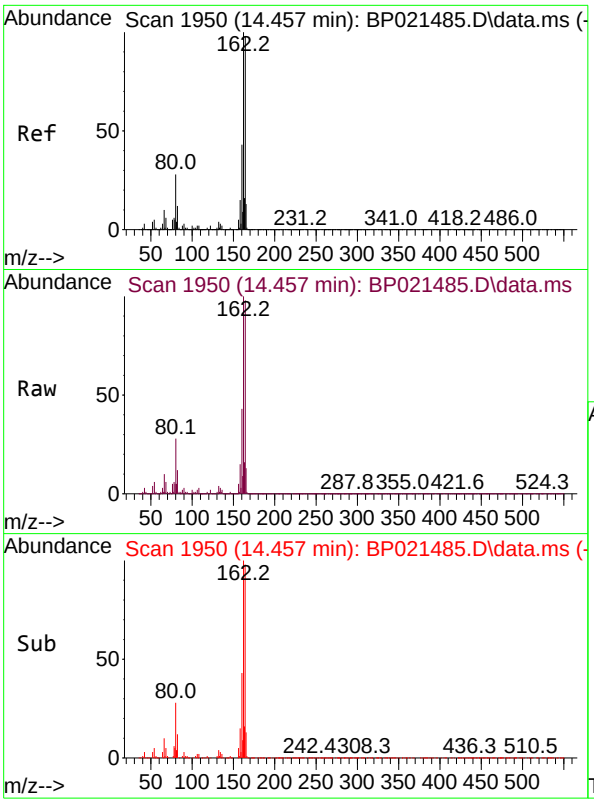


#38
1-Methylnaphthalene
Concen: 39.621 ng
RT: 12.481 min Scan# 1614
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:142 Resp: 1921454

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.5	110.3
116	4.3	3.4	5.2

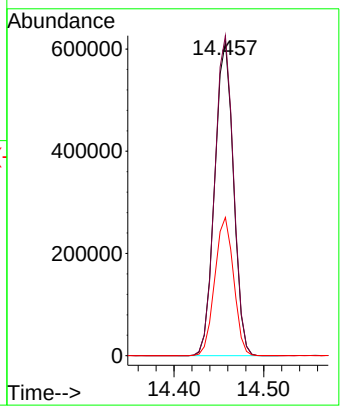




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:164 Resp: 89024

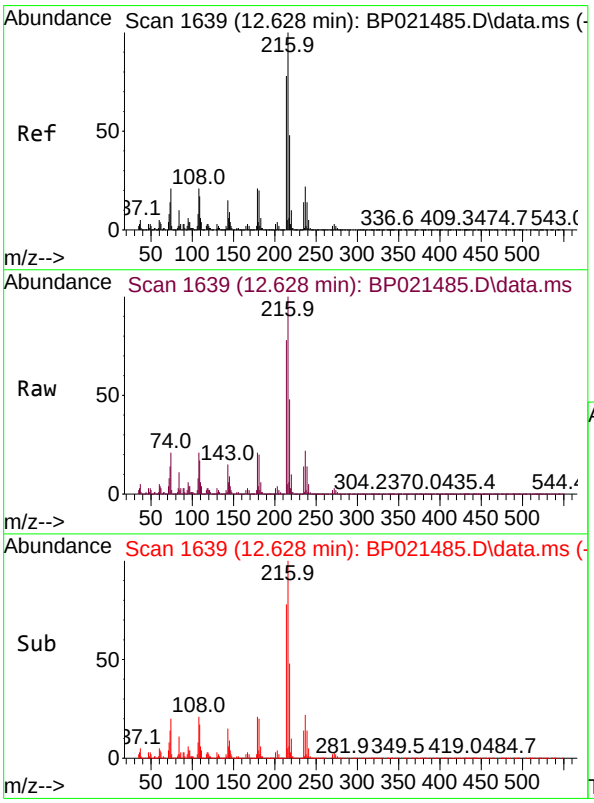
Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.5	122.3
160	44.0	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

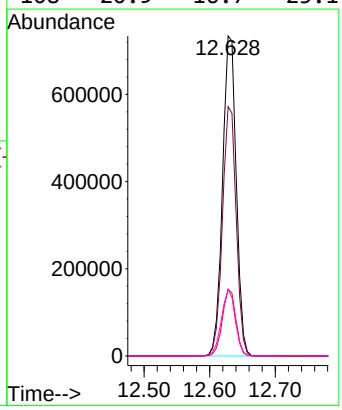
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

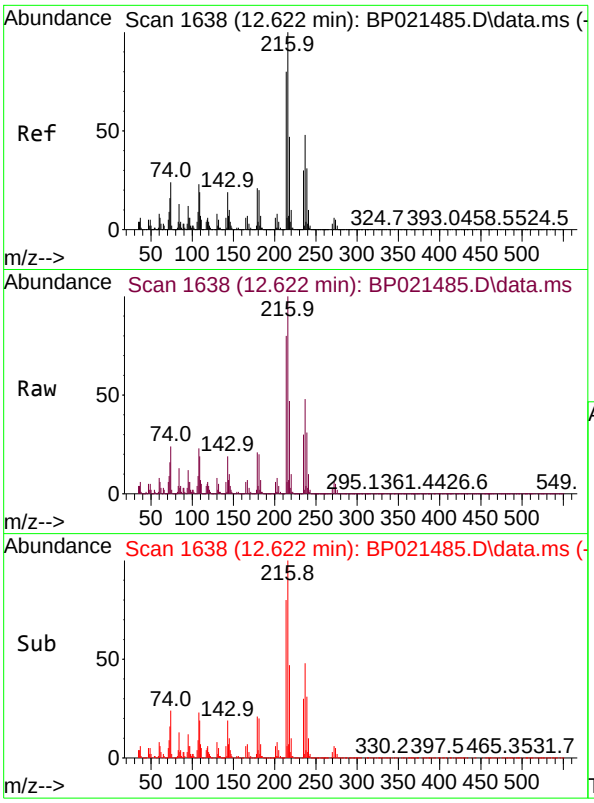


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.588 ng
RT: 12.628 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:216 Resp: 1058707

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.5	93.7
179	20.5	16.4	24.6
108	20.9	16.7	25.1





#41
Hexachlorocyclopentadiene
Concen: 41.293 ng
RT: 12.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

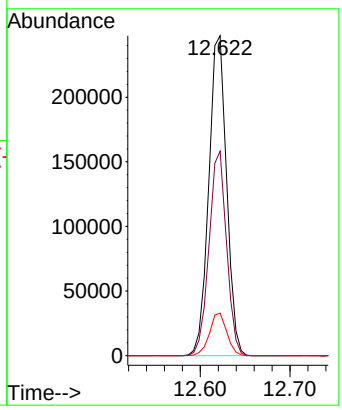
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

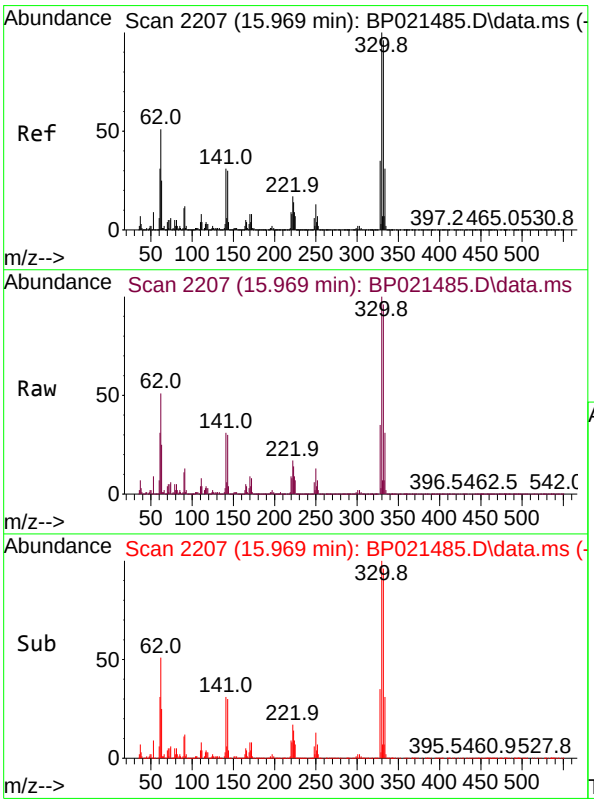
Tgt Ion:237 Resp: 34136

Ion	Ratio	Lower	Upper
237	100		
235	63.9	43.9	83.9
272	13.3	0.0	33.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

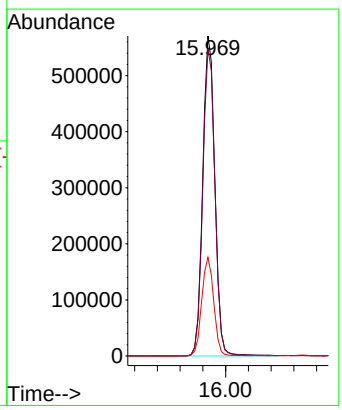


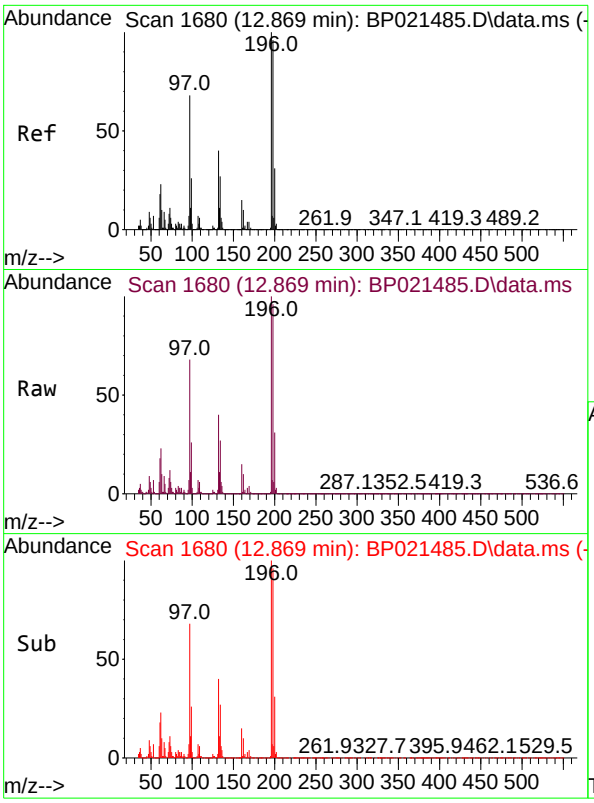


#42
2,4,6-Tribromophenol
Concen: 84.855 ng
RT: 15.969 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:330 Resp: 840745

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.0
141	30.6	24.5	36.7

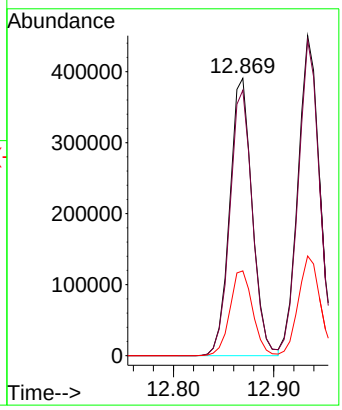




#43
2,4,6-Trichlorophenol
Concen: 42.100 ng
RT: 12.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:196 Resp: 61000

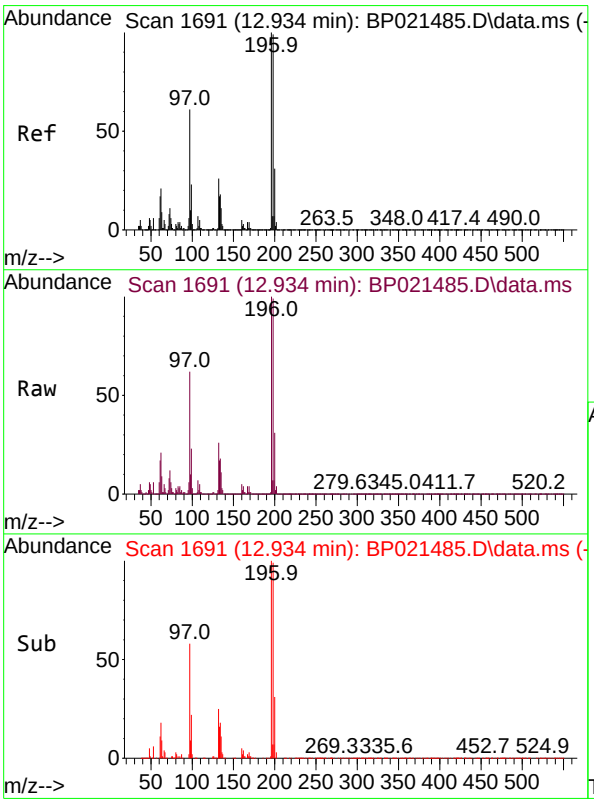
Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.6	114.8
200	30.6	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

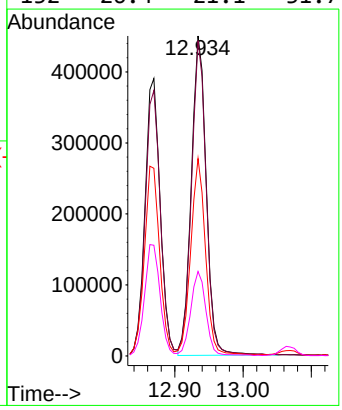
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

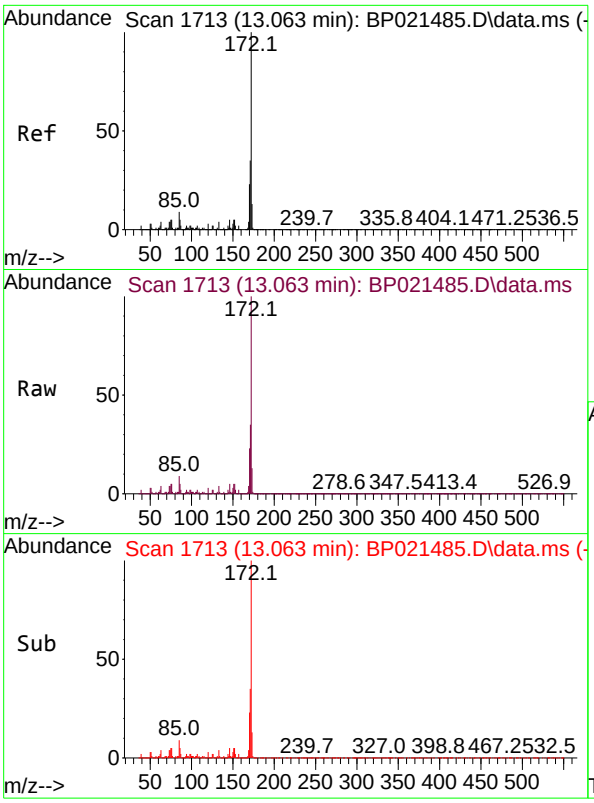


#44
2,4,5-Trichlorophenol
Concen: 42.300 ng
RT: 12.934 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:196 Resp: 680956

Ion	Ratio	Lower	Upper
196	100		
198	98.6	78.9	118.3
97	61.7	49.4	74.0
132	26.4	21.1	31.7

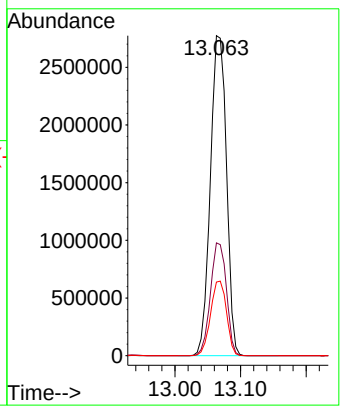




#45
2-Fluorobiphenyl
Concen: 81.001 ng
RT: 13.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:172 Resp: 472498

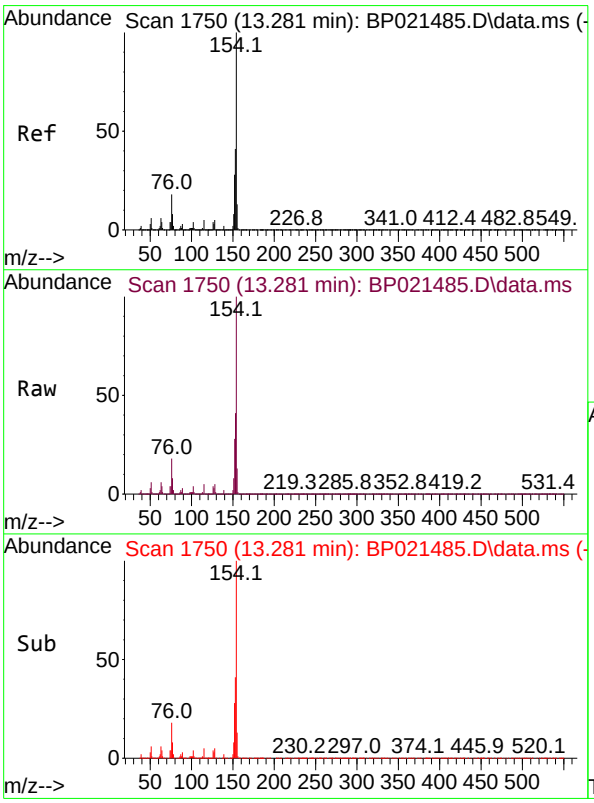
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.0	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

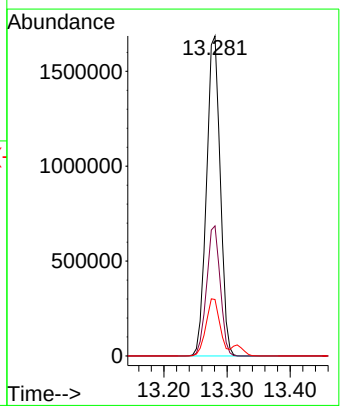
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

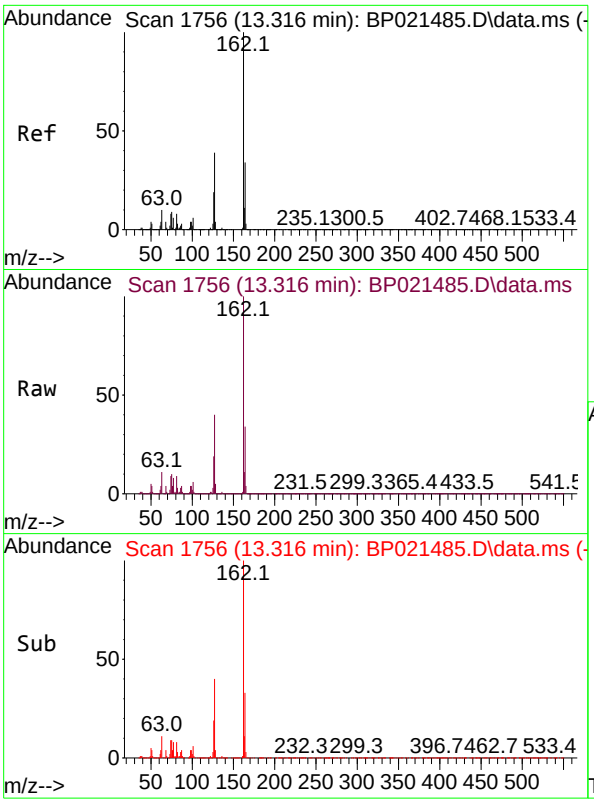


#46
1,1'-Biphenyl
Concen: 40.370 ng
RT: 13.281 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:154 Resp: 2542708

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.7	60.7
76	17.7	0.0	37.7

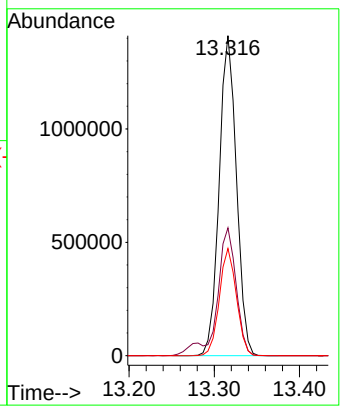




#47
2-Chloronaphthalene
Concen: 40.538 ng
RT: 13.316 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:162 Resp: 198783

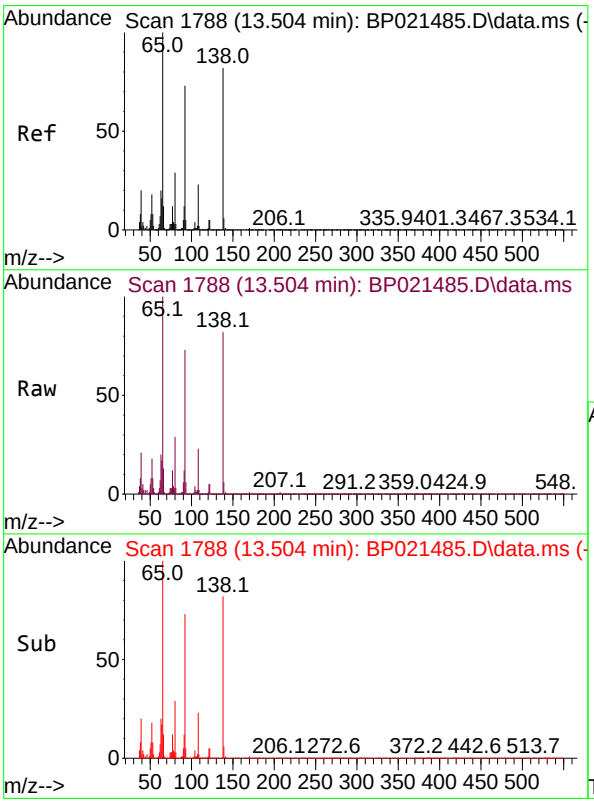
Ion	Ratio	Lower	Upper
162	100		
127	39.9	31.9	47.9
164	33.5	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

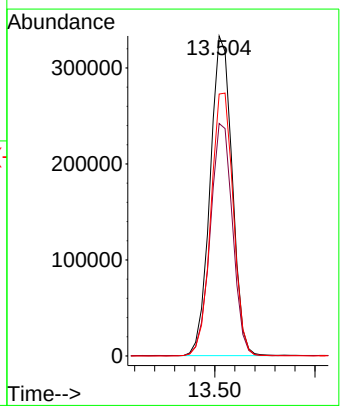
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

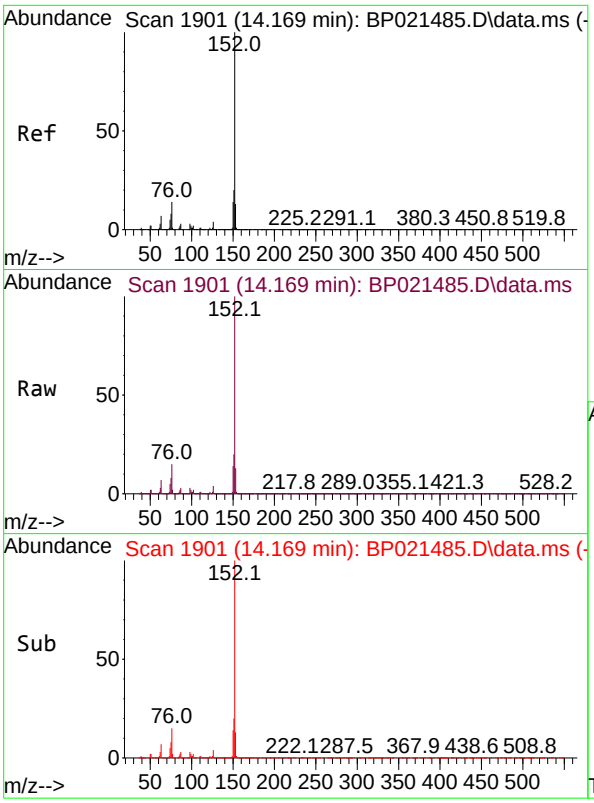


#48
2-Nitroaniline
Concen: 38.074 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 65 Resp: 506883

Ion	Ratio	Lower	Upper
65	100		
92	72.6	58.1	87.1
138	81.9	65.5	98.3





#49
Acenaphthylene
Concen: 40.630 ng
RT: 14.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

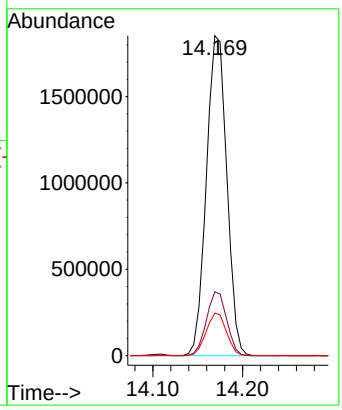
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

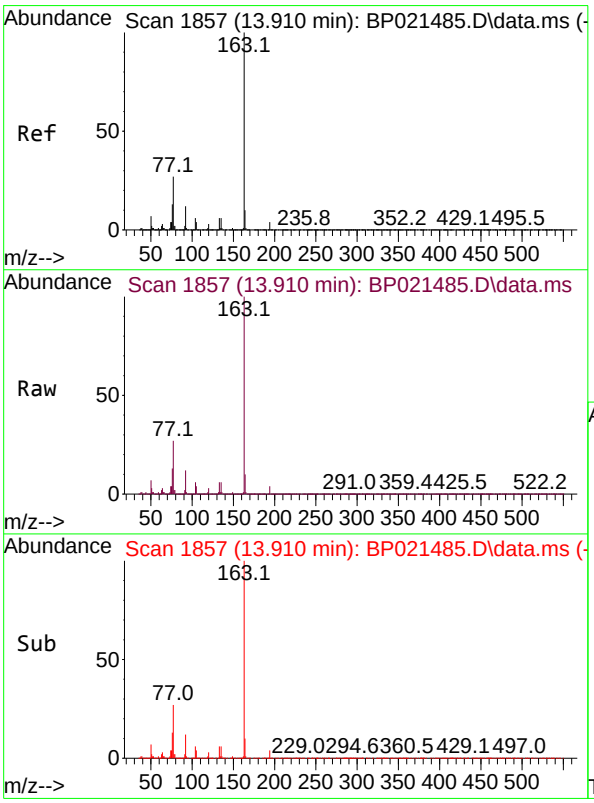
Tgt Ion:152 Resp: 292881

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.3	10.6	16.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

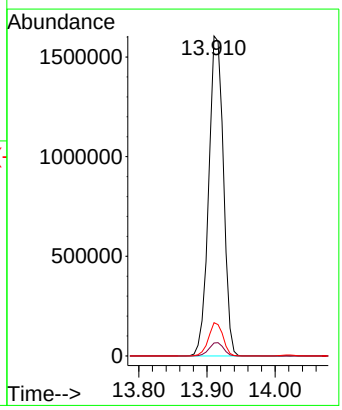


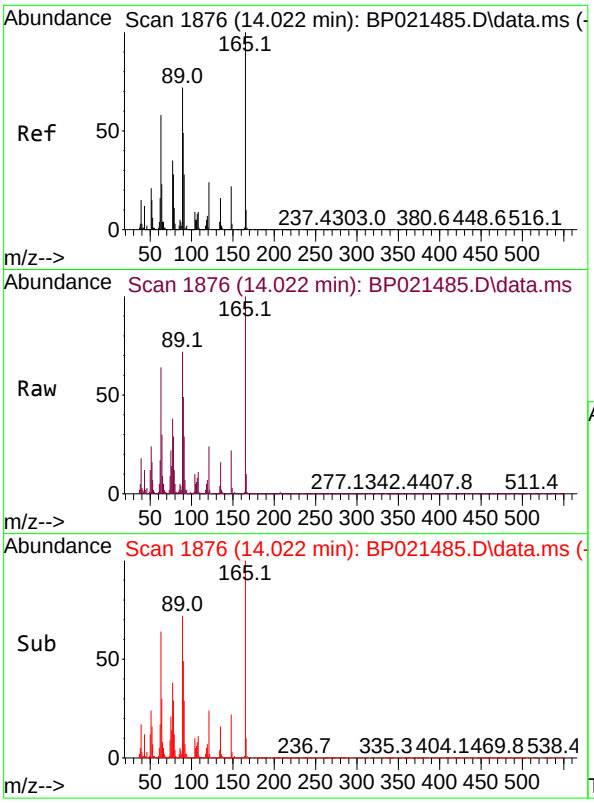


#50
Dimethylphthalate
Concen: 40.392 ng
RT: 13.910 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:163 Resp: 2408078

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.4	8.3	12.5

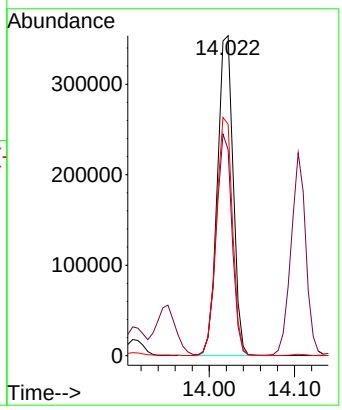




#51
2,6-Dinitrotoluene
Concen: 38.650 ng
RT: 14.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:165 Resp: 45468

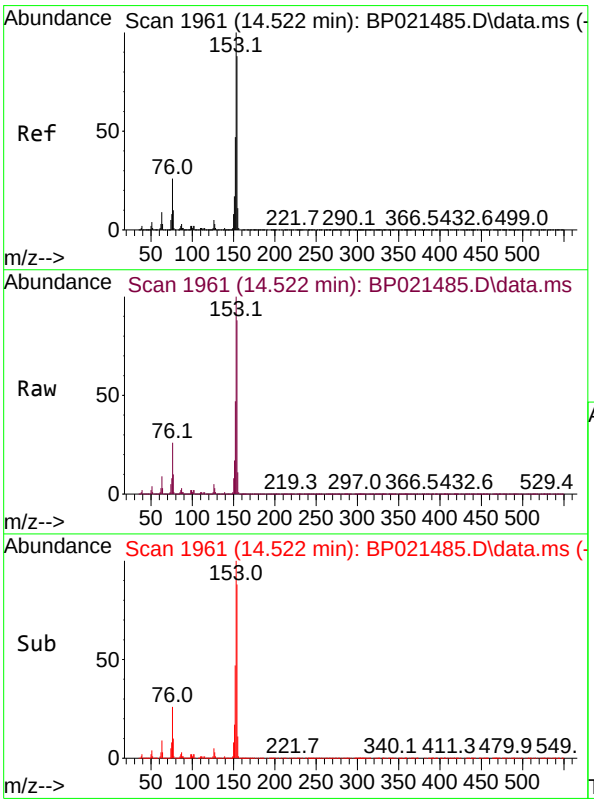
Ion	Ratio	Lower	Upper
165	100		
63	64.4	51.5	77.3
89	72.3	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

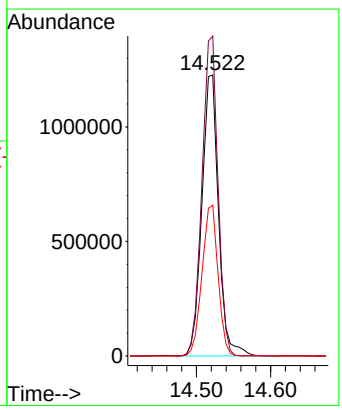
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

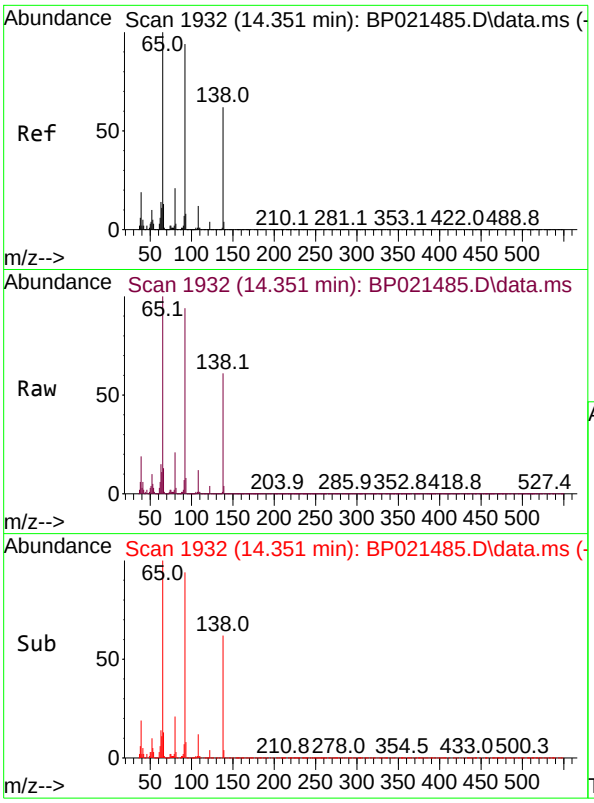


#52
Acenaphthene
Concen: 40.406 ng
RT: 14.522 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:154 Resp: 1911119

Ion	Ratio	Lower	Upper
154	100		
153	113.9	91.1	136.7
152	53.7	43.0	64.4

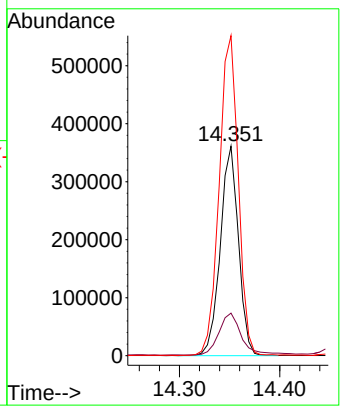




#53
3-Nitroaniline
Concen: 39.107 ng
RT: 14.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:138 Resp: 45293

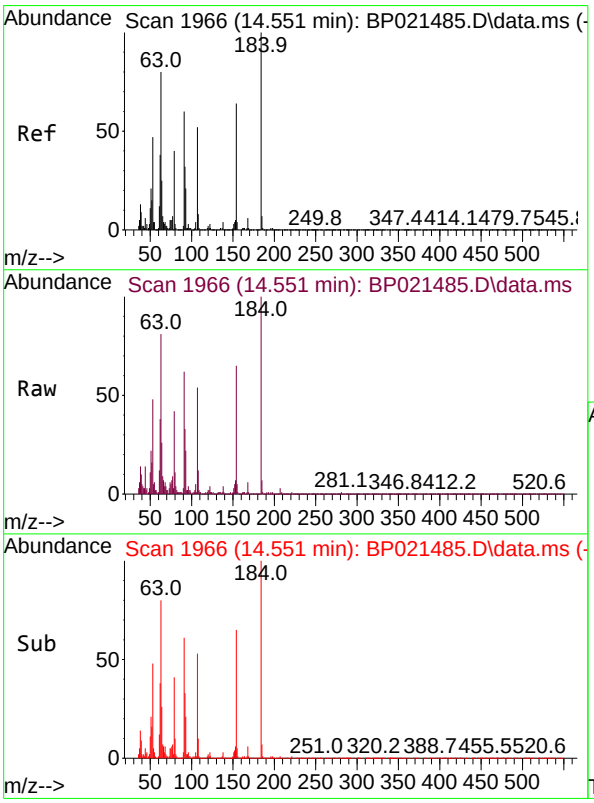
Ion	Ratio	Lower	Upper
138	100		
108	20.3	16.2	24.4
92	152.8	122.2	183.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

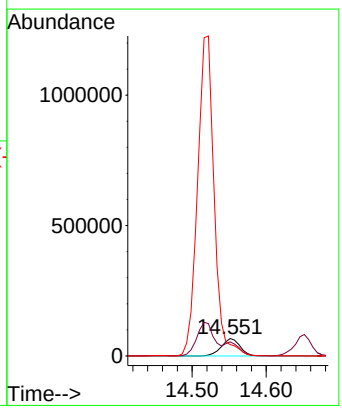
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

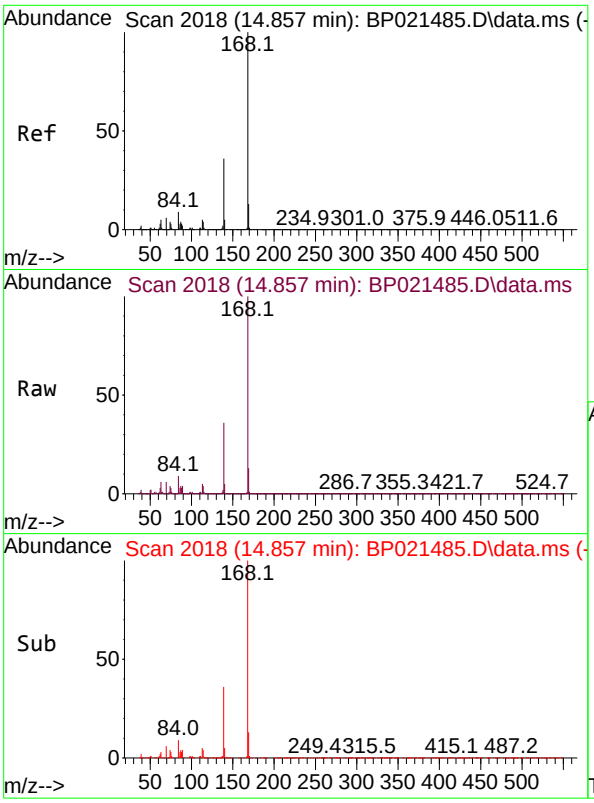


#54
2,4-Dinitrophenol
Concen: 38.943 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:184 Resp: 116797

Ion	Ratio	Lower	Upper
184	100		
63	81.1	64.9	97.3
154	65.1	52.1	78.1

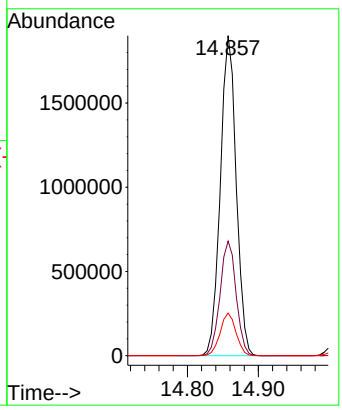




#55
Dibenzofuran
Concen: 40.359 ng
RT: 14.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:168 Resp: 293651

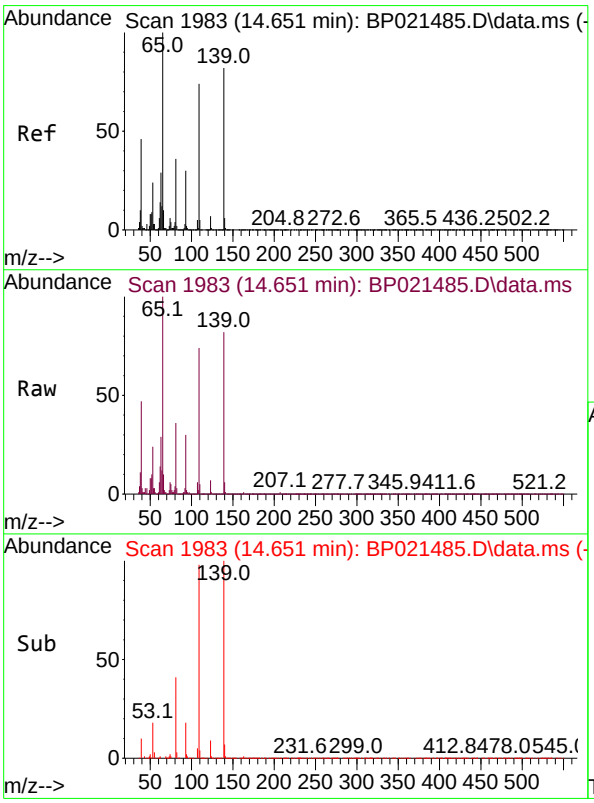
Ion	Ratio	Lower	Upper
168	100		
139	35.8	28.6	43.0
169	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

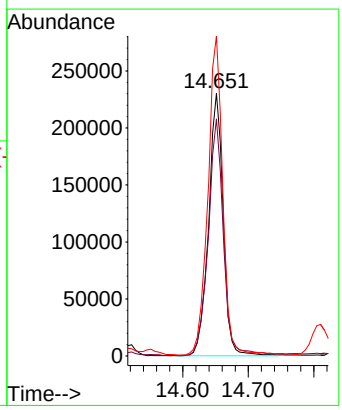
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

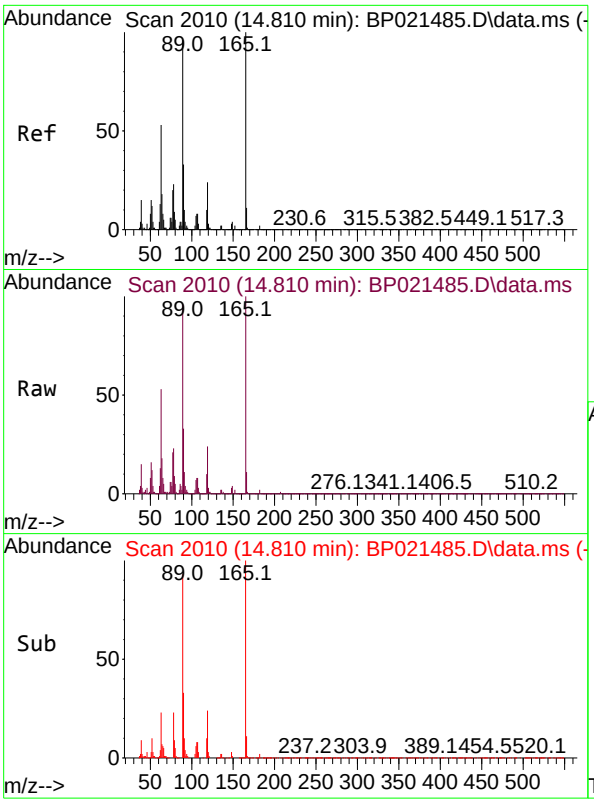


#56
4-Nitrophenol
Concen: 39.073 ng
RT: 14.651 min Scan# 1983
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:139 Resp: 358912

Ion	Ratio	Lower	Upper
139	100		
109	90.2	70.2	110.2
65	121.8	101.8	141.8

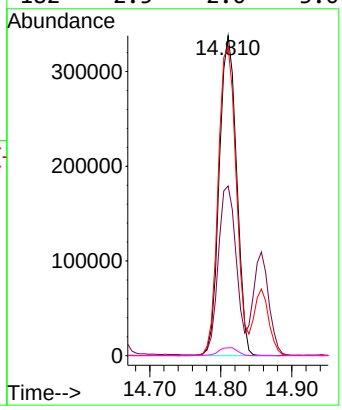




#57
2,4-Dinitrotoluene
Concen: 38.397 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:165 Resp: 57022

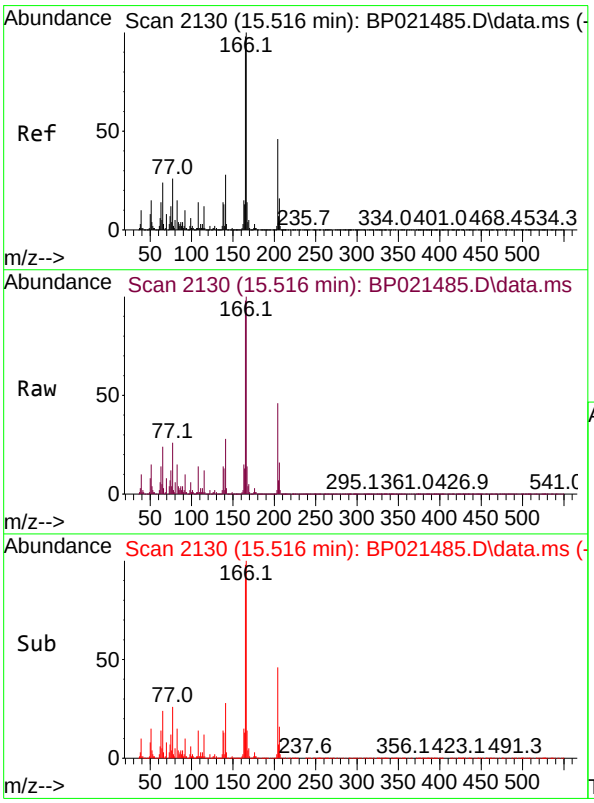
Ion	Ratio	Lower	Upper
165	100		
63	53.1	42.5	63.7
89	96.4	77.1	115.7
182	2.5	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

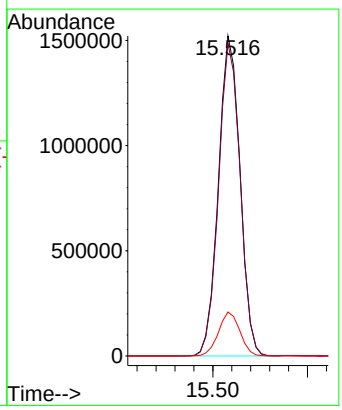
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

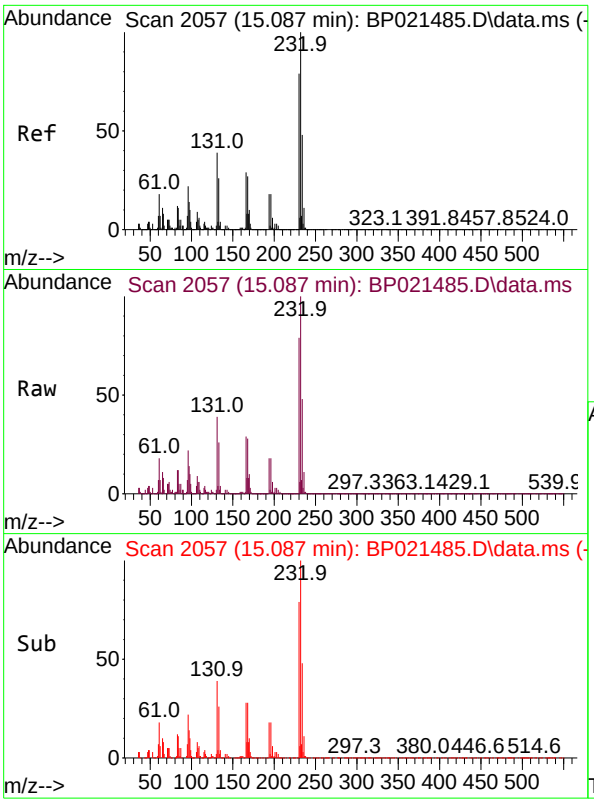


#58
Fluorene
Concen: 40.326 ng
RT: 15.516 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:166 Resp: 2410461

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.1	117.1
167	13.7	11.0	16.4

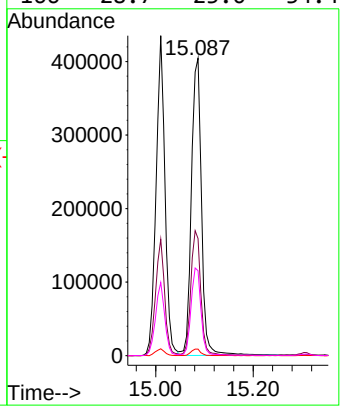




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.766 ng
RT: 15.087 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:232 Resp: 58435

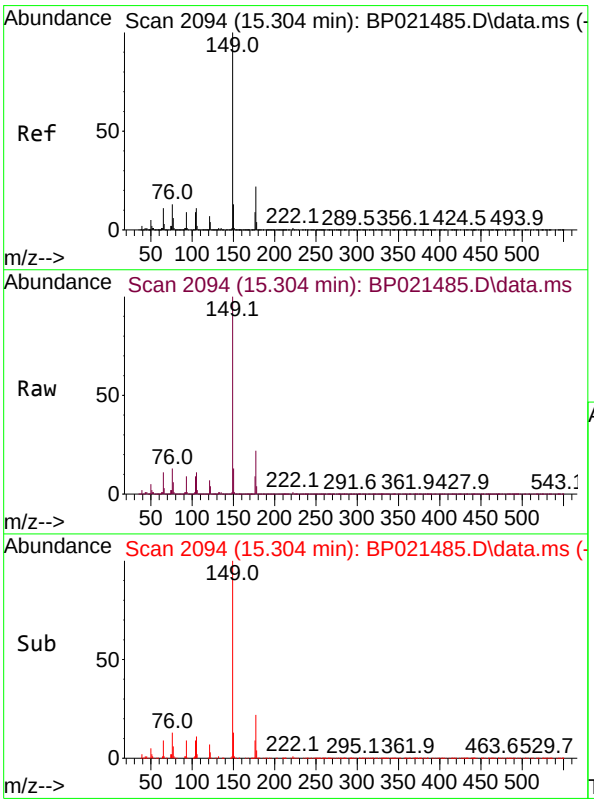
Ion	Ratio	Lower	Upper
232	100		
131	41.4	33.1	49.7
130	2.1	1.7	2.5
166	28.7	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

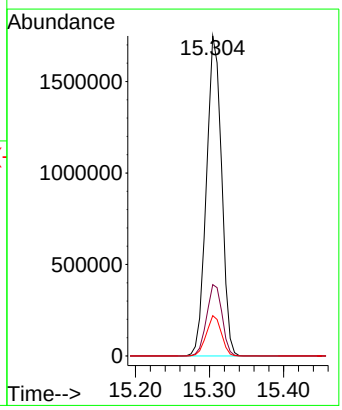
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

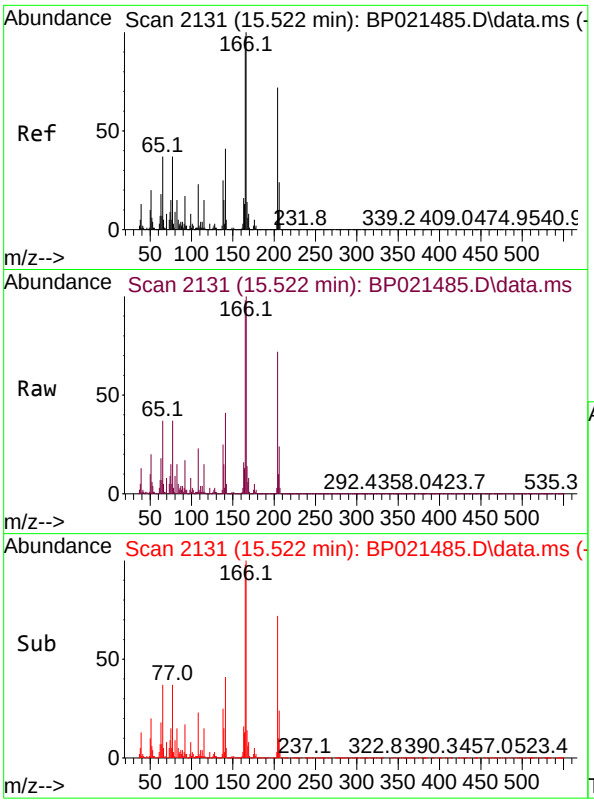


#60
Diethylphthalate
Concen: 40.656 ng
RT: 15.304 min Scan# 2094
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:149 Resp: 2486968

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.8	26.8
150	12.6	10.1	15.1

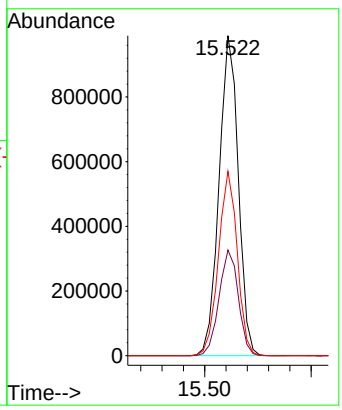




#61
4-Chlorophenyl-phenylether
Concen: 40.022 ng
RT: 15.522 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:204 Resp: 123657

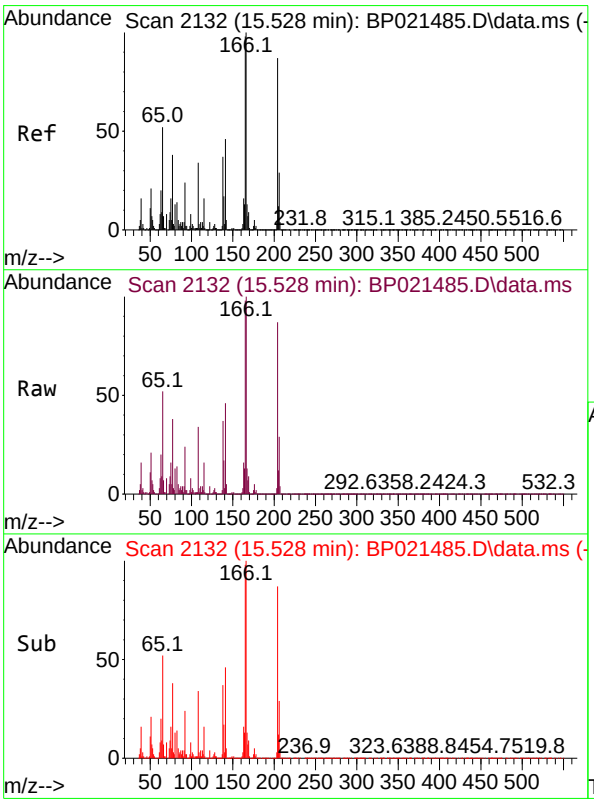
Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	57.6	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

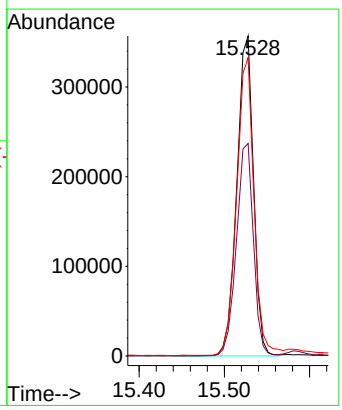
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

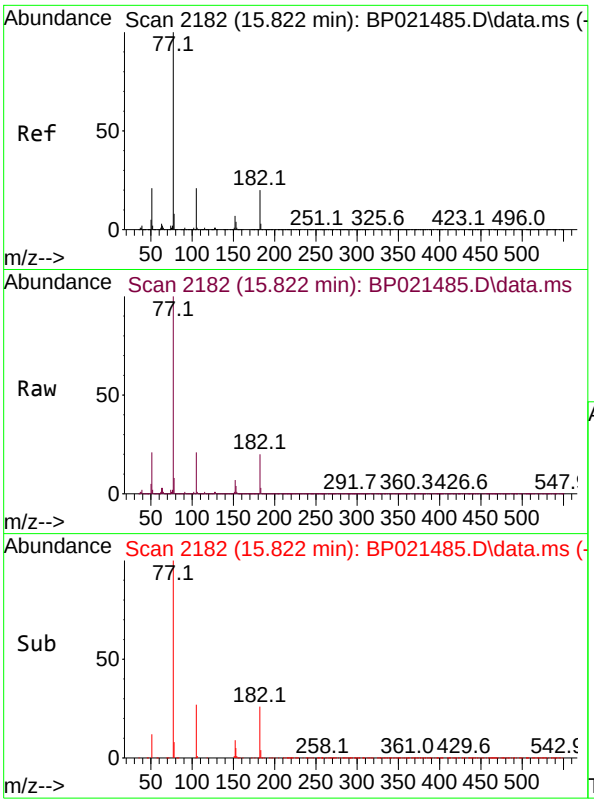


#62
4-Nitroaniline
Concen: 40.451 ng
RT: 15.528 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:138 Resp: 485672

Ion	Ratio	Lower	Upper
138	100		
92	66.4	46.4	86.4
108	93.2	73.2	113.2

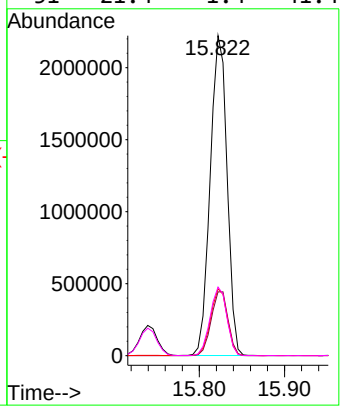




#63
Azobenzene
Concen: 40.594 ng
RT: 15.822 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 77 Resp: 305244

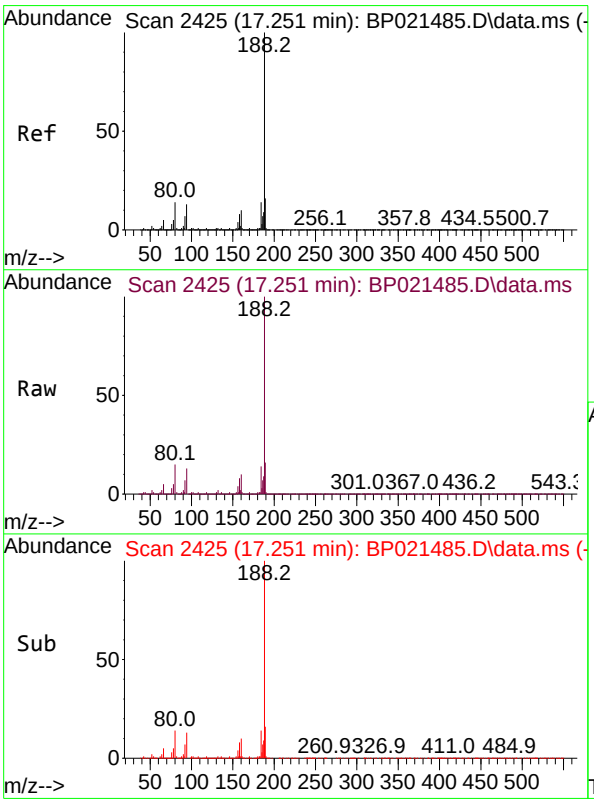
Ion	Ratio	Lower	Upper
77	100		
182	19.9	0.0	39.9
105	20.9	0.9	40.9
51	21.4	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

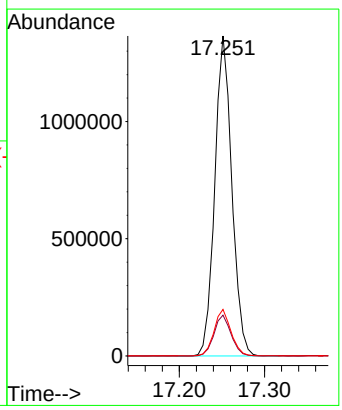
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

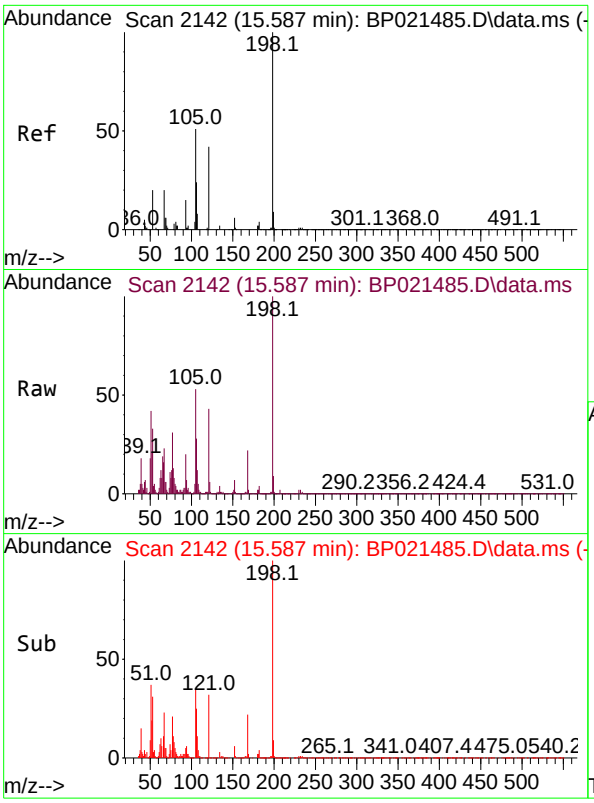


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:188 Resp: 1905279

Ion	Ratio	Lower	Upper
188	100		
94	12.8	10.2	15.4
80	14.5	11.6	17.4

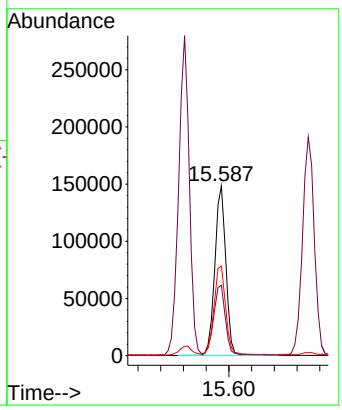




#65
4,6-Dinitro-2-methylphenol
Concen: 38.603 ng
RT: 15.587 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:198 Resp: 19915

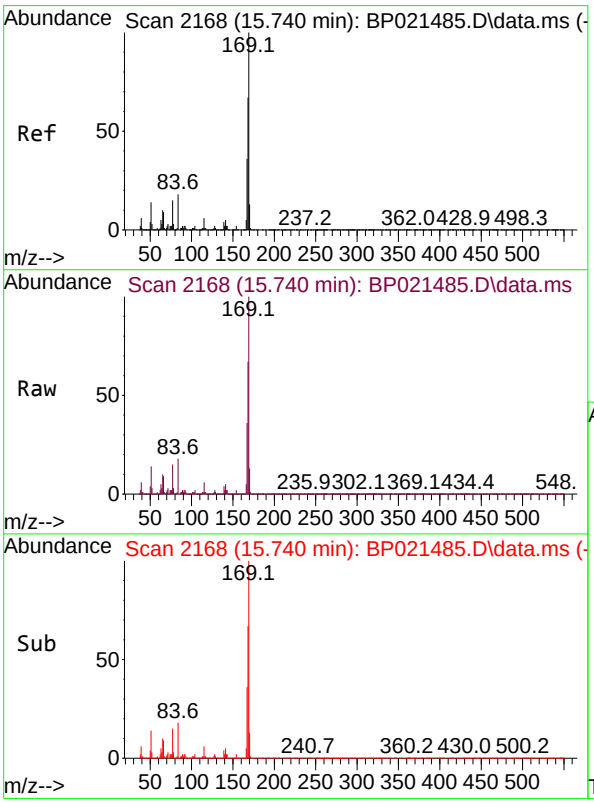
Ion	Ratio	Lower	Upper
198	100		
51	41.5	21.5	61.5
105	52.9	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

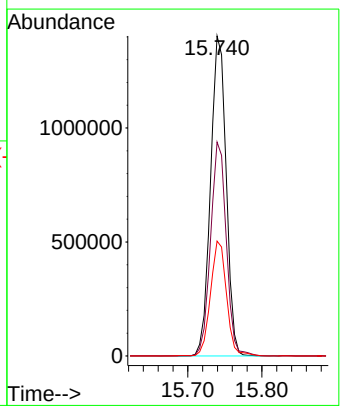
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

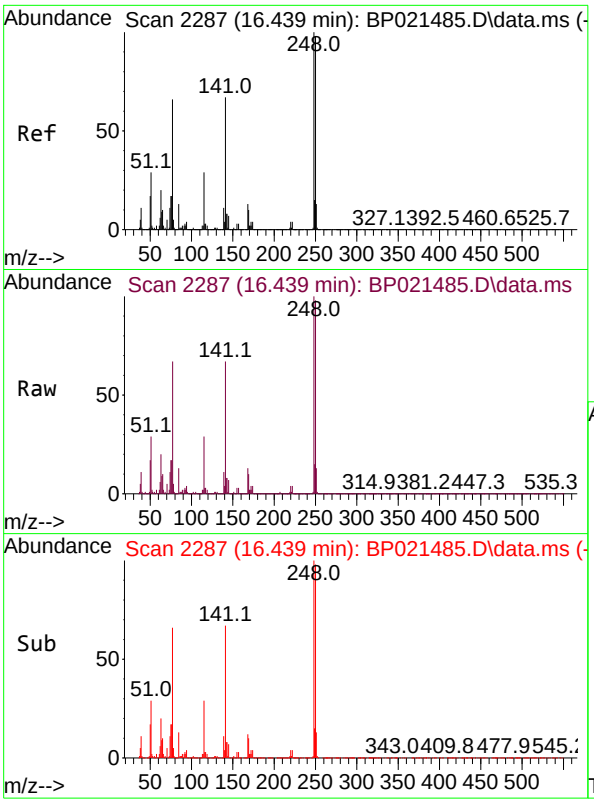


#66
n-Nitrosodiphenylamine
Concen: 40.175 ng
RT: 15.740 min Scan# 2168
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:169 Resp: 2051265

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	35.9	28.7	43.1

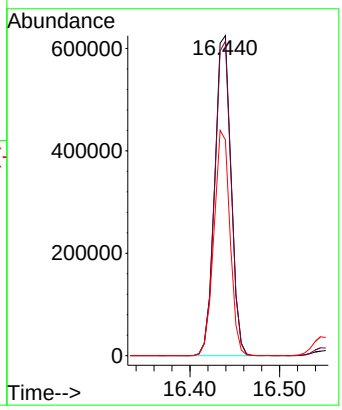




#67
4-Bromophenyl-phenylether
Concen: 39.211 ng
RT: 16.439 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:248 Resp: 79067

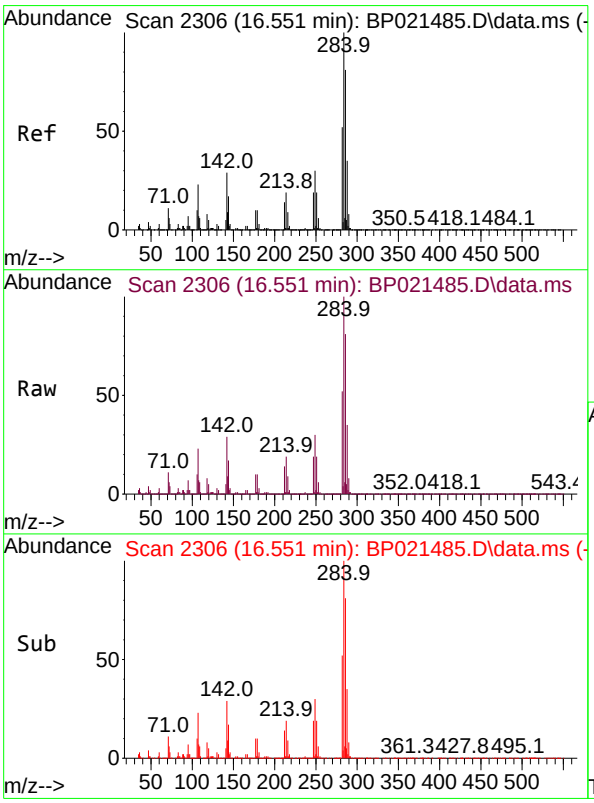
Ion	Ratio	Lower	Upper
248	100		
250	98.2	78.6	117.8
141	67.4	53.9	80.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

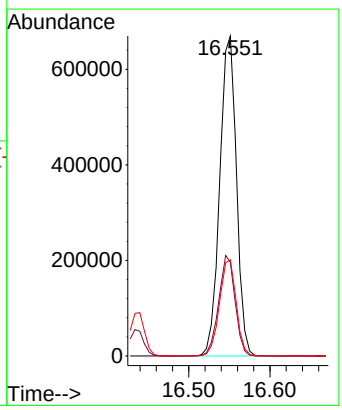
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

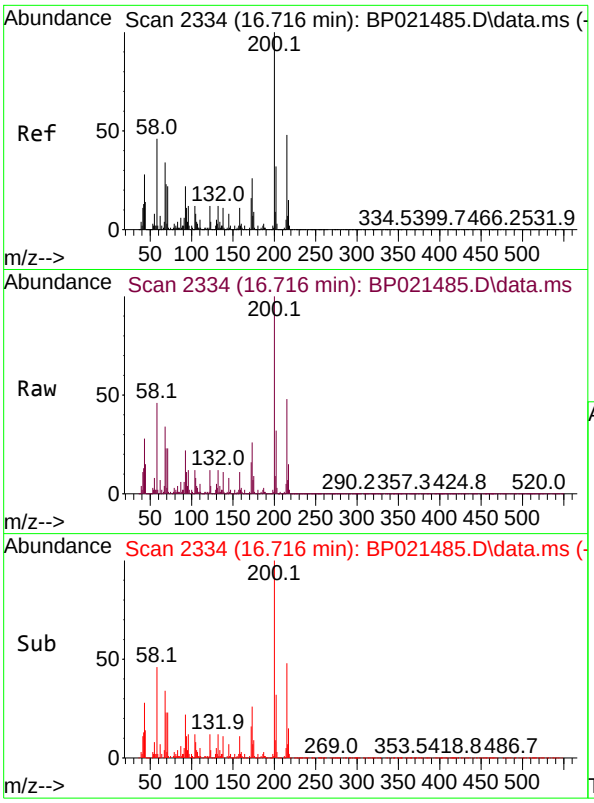


#68
Hexachlorobenzene
Concen: 40.240 ng
RT: 16.551 min Scan# 2306
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:284 Resp: 958921

Ion	Ratio	Lower	Upper
284	100		
142	29.3	23.4	35.2
249	30.1	24.1	36.1





#69
Atrazine
Concen: 41.419 ng
RT: 16.716 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

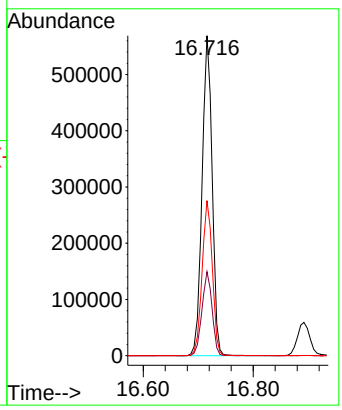
Tgt Ion:200 Resp: 72607

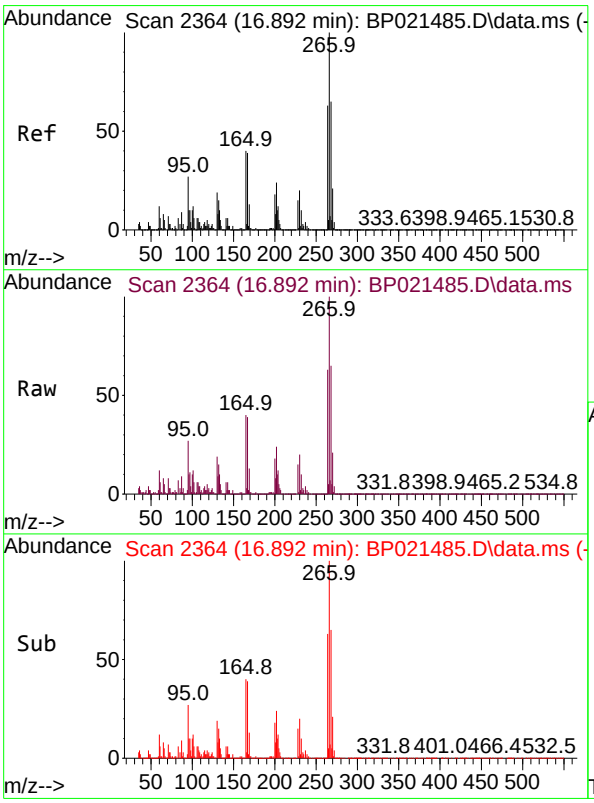
Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.2	46.2
215	48.4	28.4	68.4

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

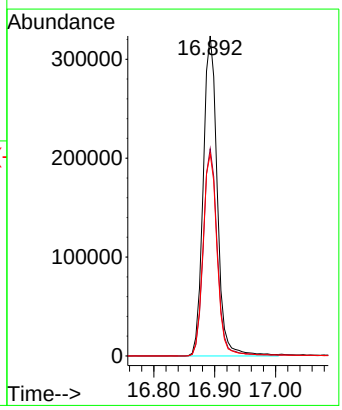


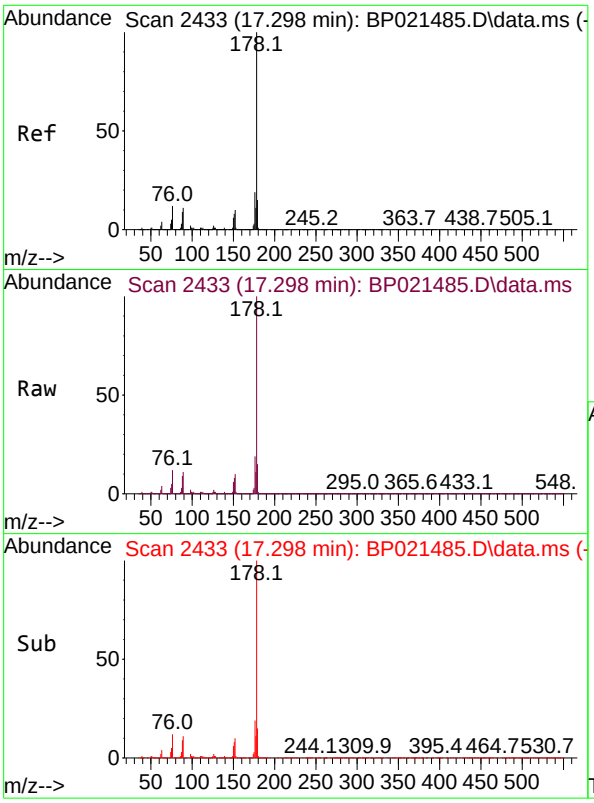


#70
Pentachlorophenol
Concen: 40.011 ng
RT: 16.892 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:266 Resp: 520400

Ion	Ratio	Lower	Upper
266	100		
268	64.7	51.8	77.6
264	63.1	50.5	75.7





#71
Phenanthrene
Concen: 40.150 ng
RT: 17.298 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

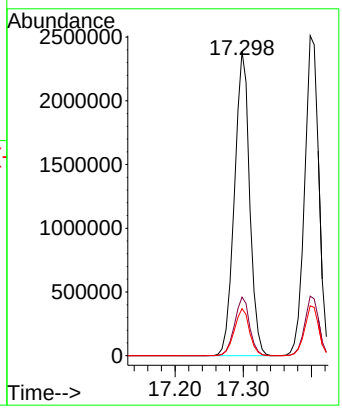
Tgt Ion:178 Resp: 367886

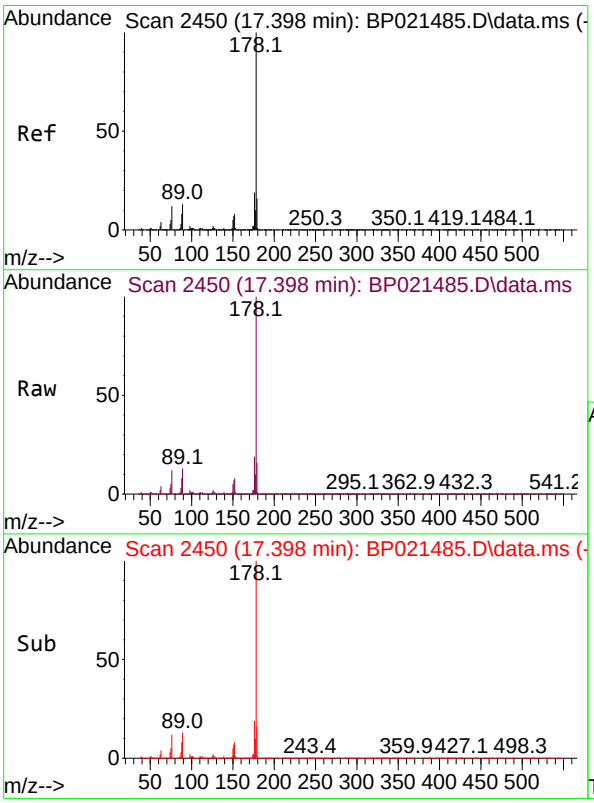
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.5	12.4	18.6

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

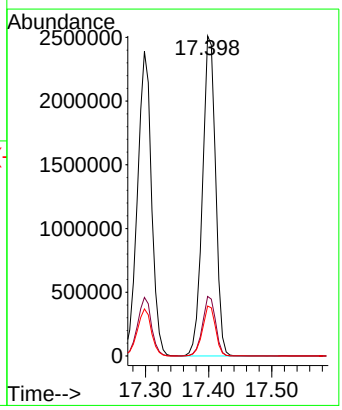


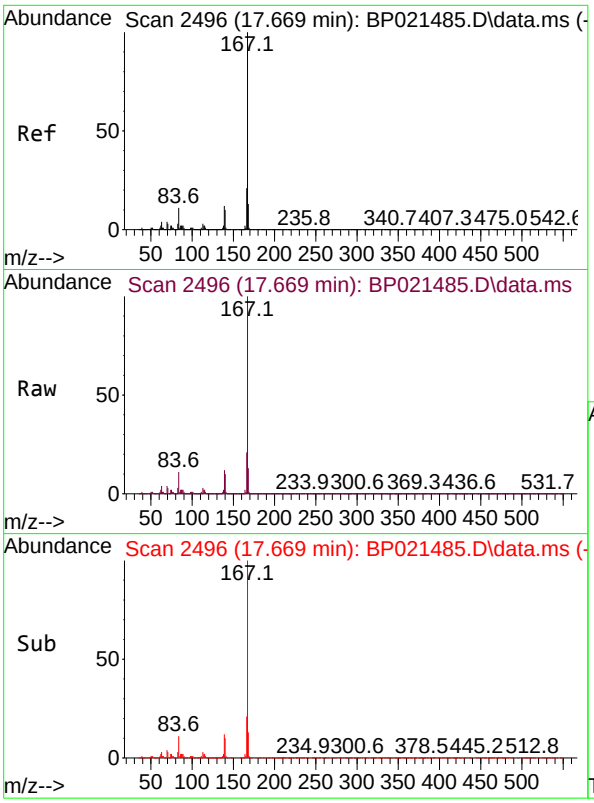


#72
Anthracene
Concen: 40.283 ng
RT: 17.398 min Scan# 2450
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:178 Resp: 3619950

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.6	12.5	18.7

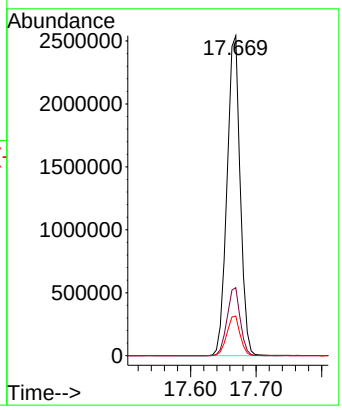




#73
Carbazole
Concen: 40.912 ng
RT: 17.669 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:167 Resp: 354308

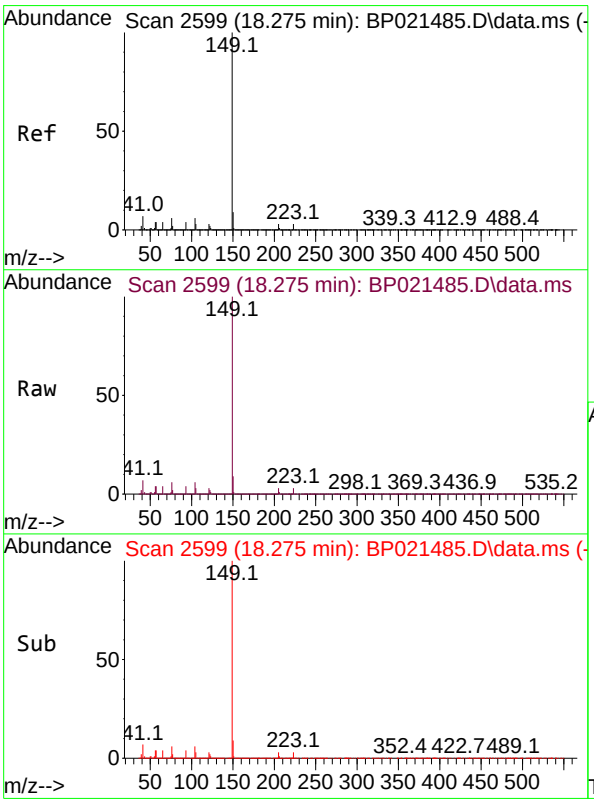
Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.4	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

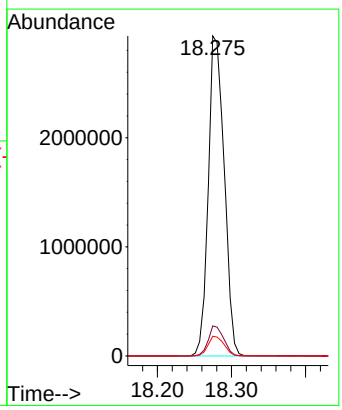
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

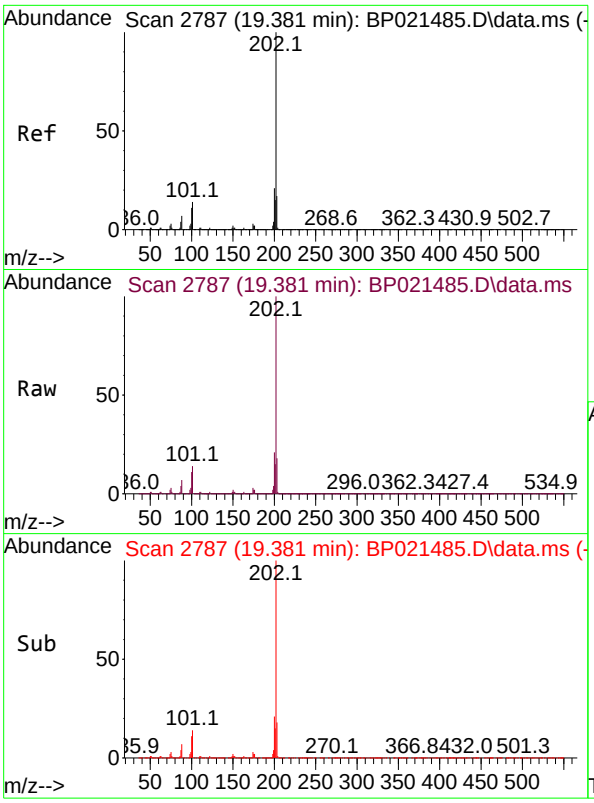


#74
Di-n-butylphthalate
Concen: 41.170 ng
RT: 18.275 min Scan# 2599
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:149 Resp: 4378720

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	6.1	4.9	7.3

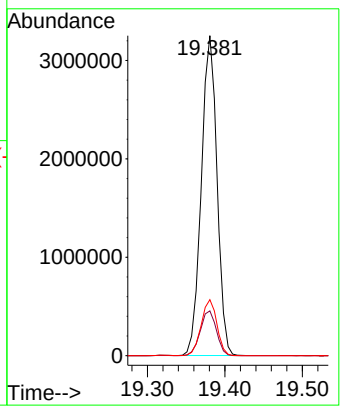




#75
Fluoranthene
Concen: 40.674 ng
RT: 19.381 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:202 Resp: 457288

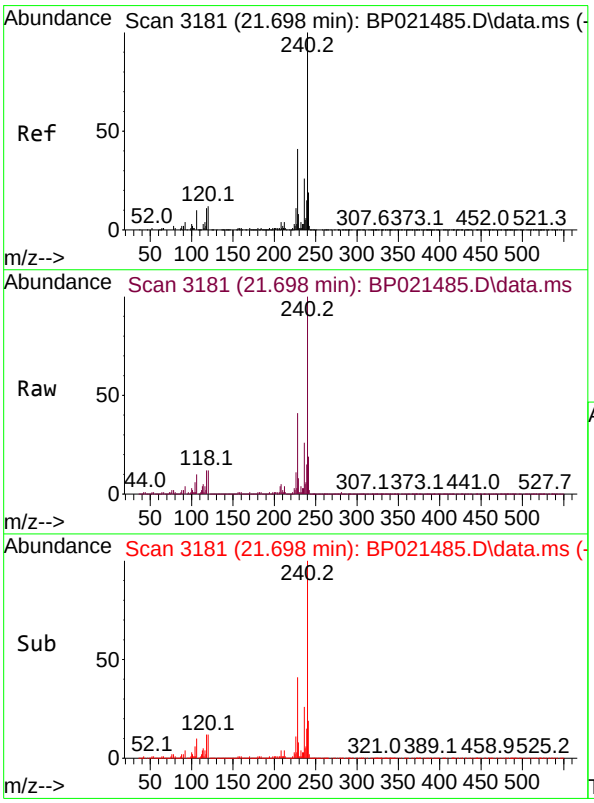
Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.0
203	17.5	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

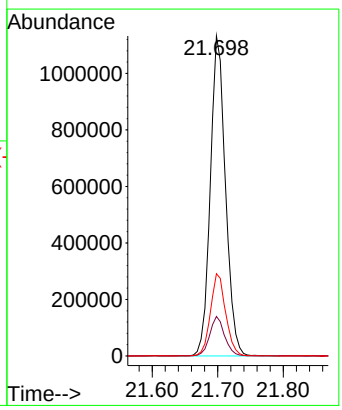
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

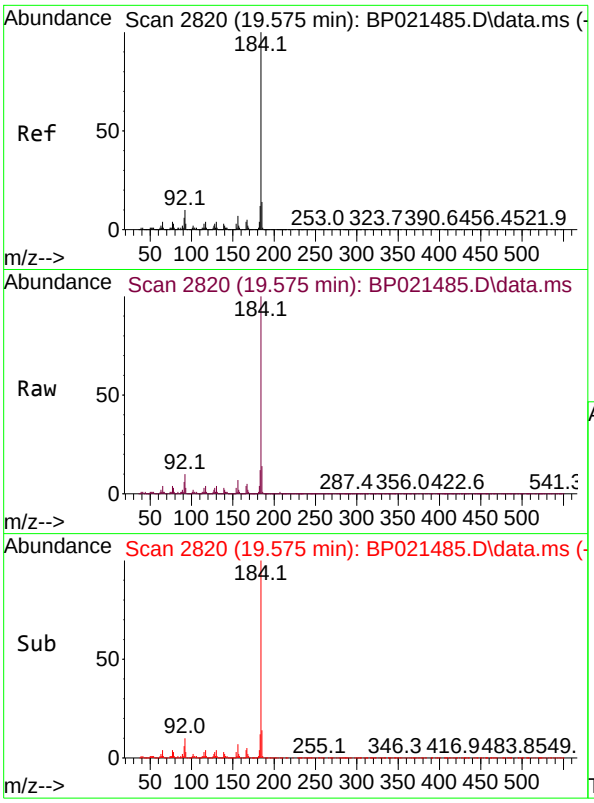


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.698 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:240 Resp: 1820074

Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.9	14.9
236	25.7	20.6	30.8

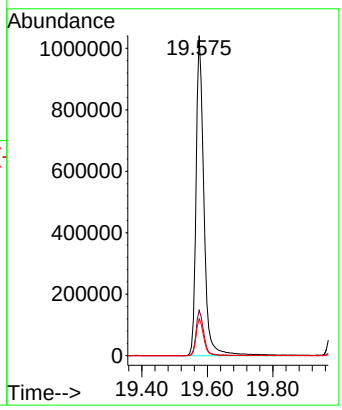




#77
Benzidine
Concen: 41.023 ng
RT: 19.575 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:184 Resp: 173510

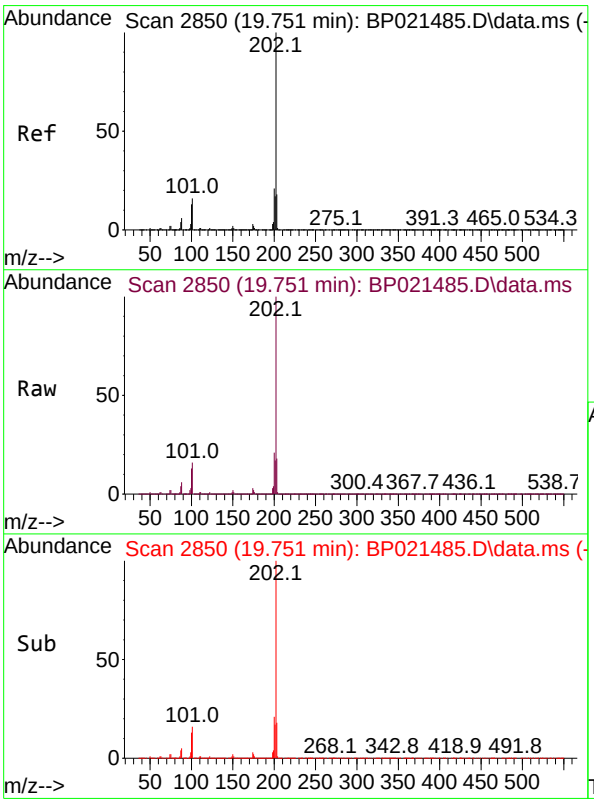
Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.6	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

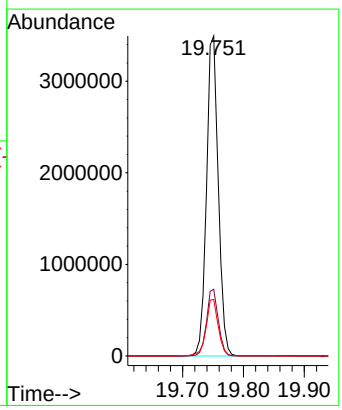
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

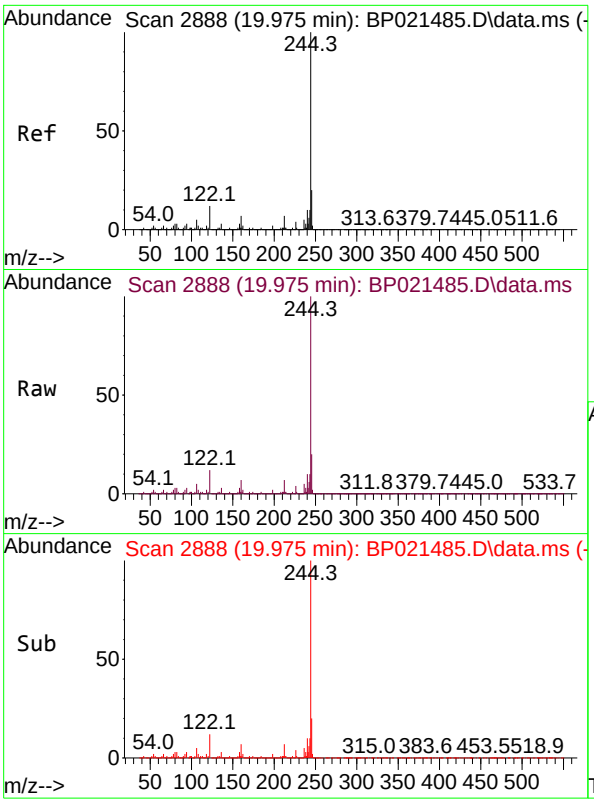


#78
Pyrene
Concen: 39.461 ng
RT: 19.751 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:202 Resp: 4694393

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.6	14.1	21.1

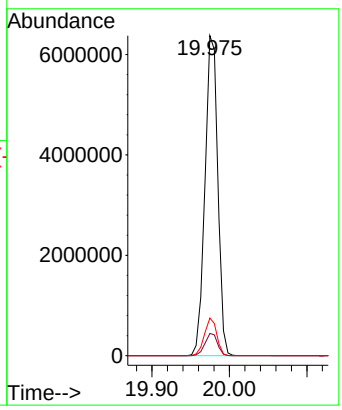




#79
Terphenyl-d14
Concen: 78.155 ng
RT: 19.975 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:244 Resp: 732205

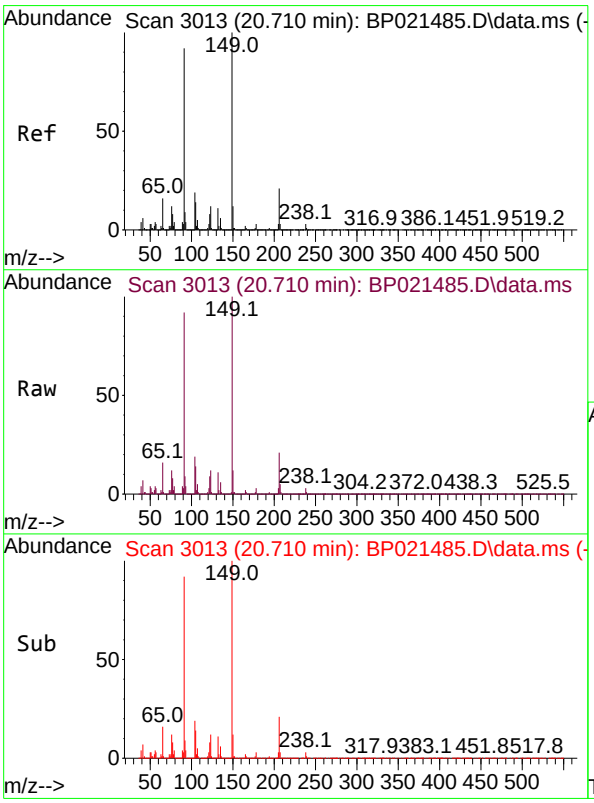
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.8	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

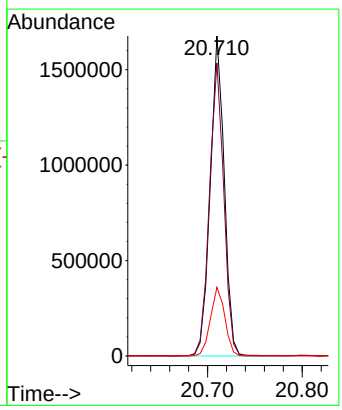
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

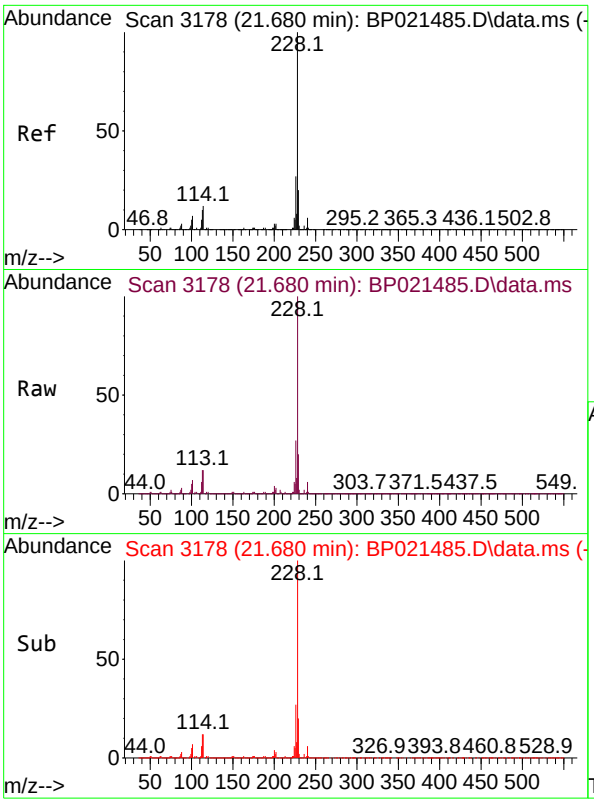


#80
Butylbenzylphthalate
Concen: 38.676 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:149 Resp: 1712106

Ion	Ratio	Lower	Upper
149	100		
91	91.6	73.3	109.9
206	21.4	17.1	25.7

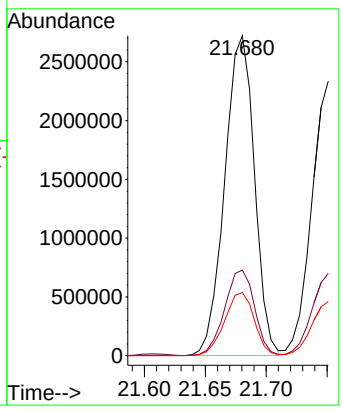




#81
Benzo(a)anthracene
Concen: 40.395 ng
RT: 21.680 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:228 Resp: 461538

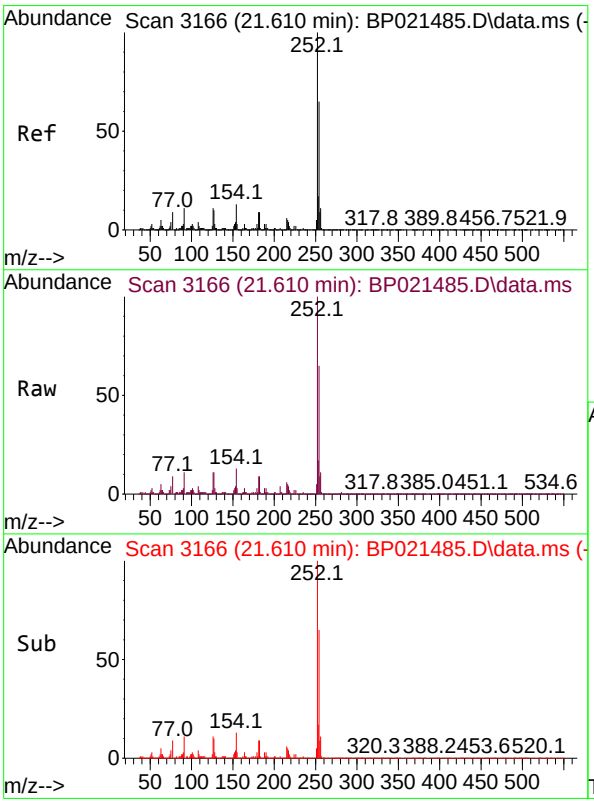
Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.4	32.2
229	19.7	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

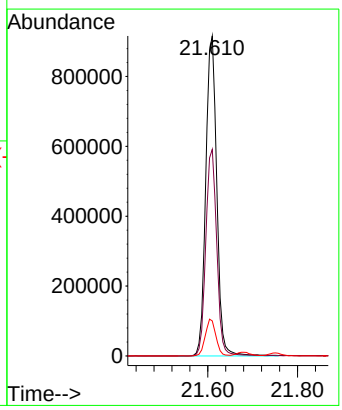
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

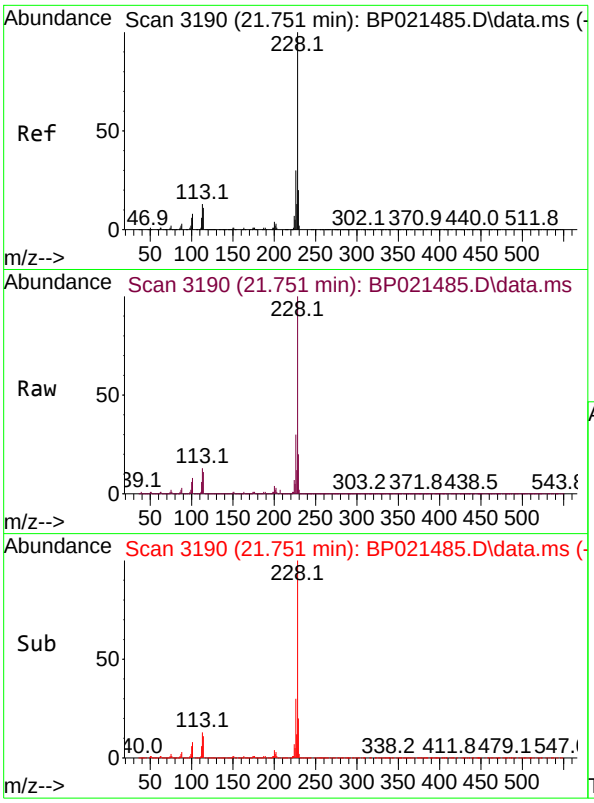


#82
3,3'-Dichlorobenzidine
Concen: 42.572 ng
RT: 21.610 min Scan# 3166
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:252 Resp: 1559563

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	10.9	8.7	13.1





#83
Chrysene
Concen: 40.405 ng
RT: 21.751 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

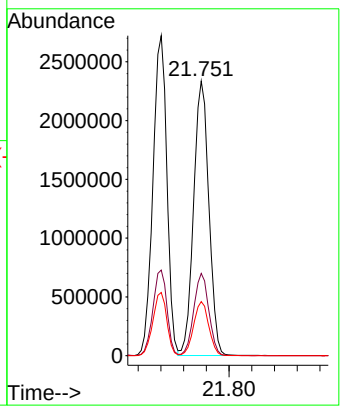
Tgt Ion:228 Resp: 435869

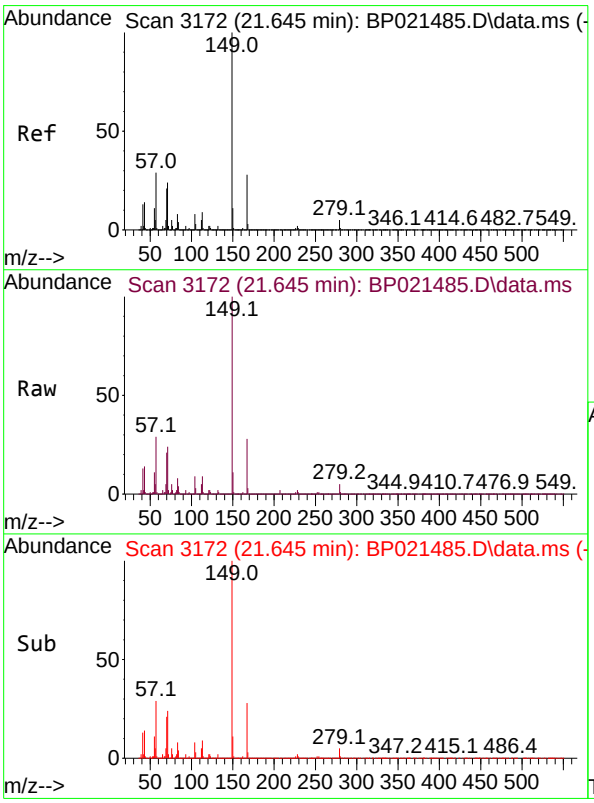
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.7	15.8	23.6

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

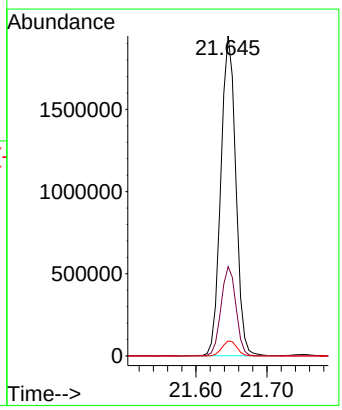


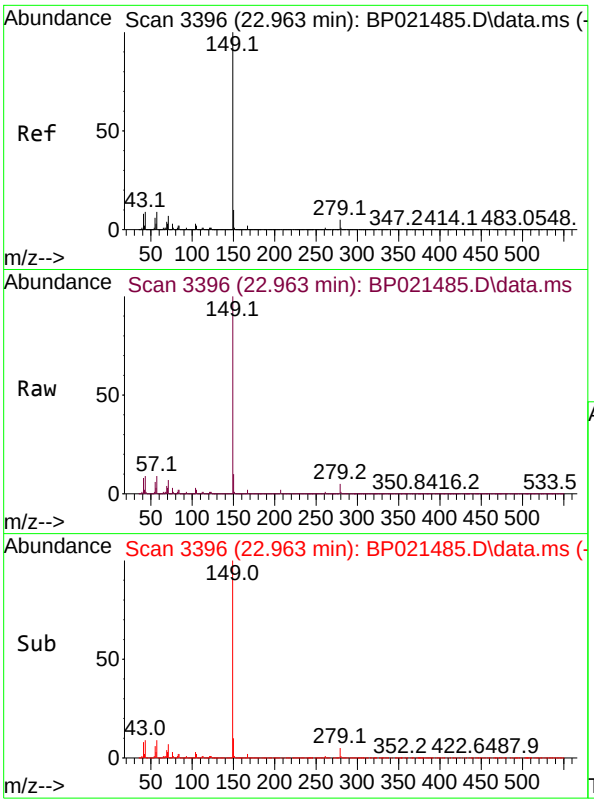


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.082 ng
RT: 21.645 min Scan# 3172
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:149 Resp: 2841806

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.3	33.5
279	4.7	3.8	5.6

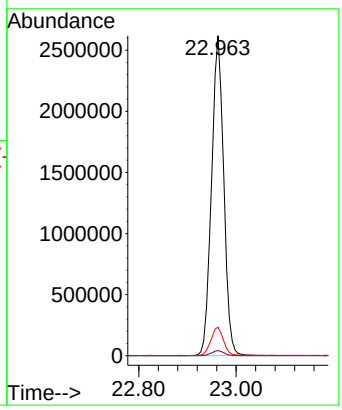




#85
Di-n-octyl phthalate
Concen: 39.238 ng
RT: 22.963 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:149 Resp: 453821

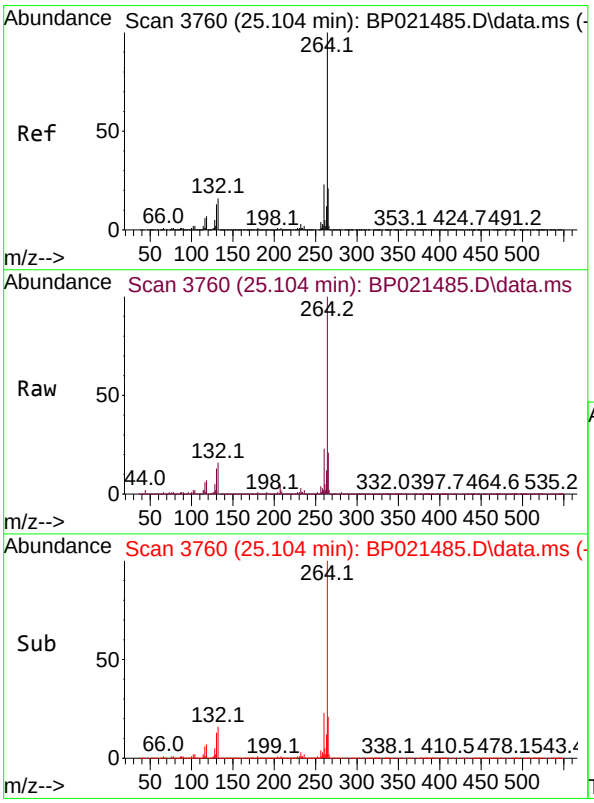
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.1	7.3	10.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

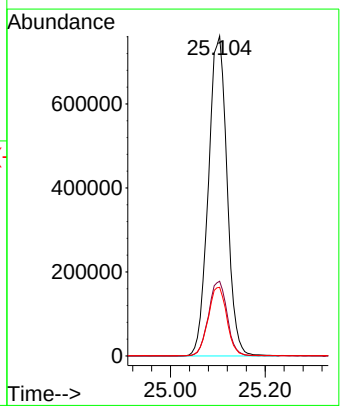
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

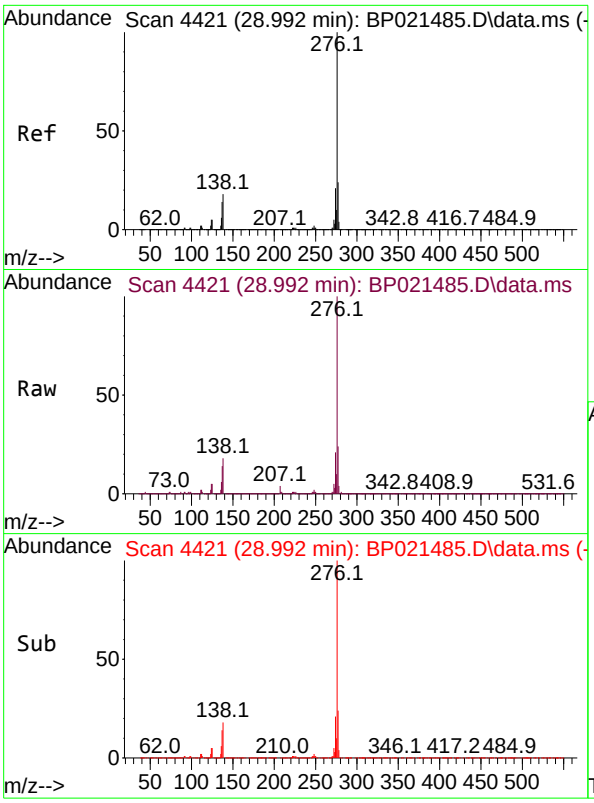


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.104 min Scan# 3760
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:264 Resp: 2085332

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.4	17.1	25.7

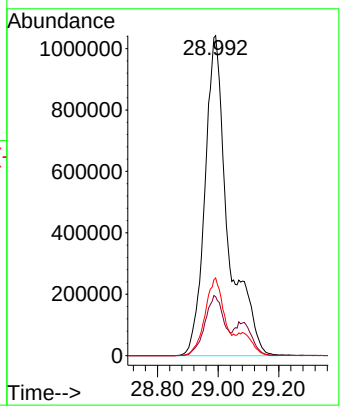




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.941 ng m
RT: 28.992 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:276 Resp: 553354

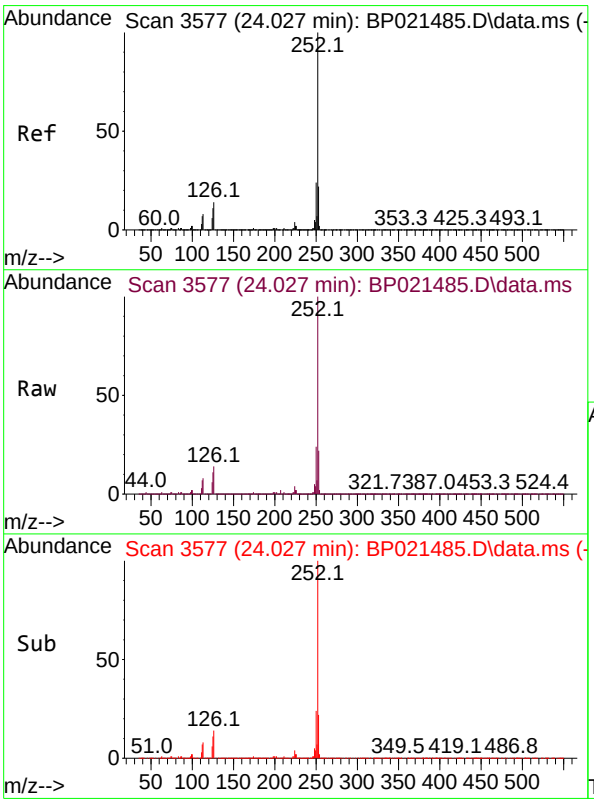
Ion	Ratio	Lower	Upper
276	100		
138	16.0	12.8	19.2
277	20.6	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

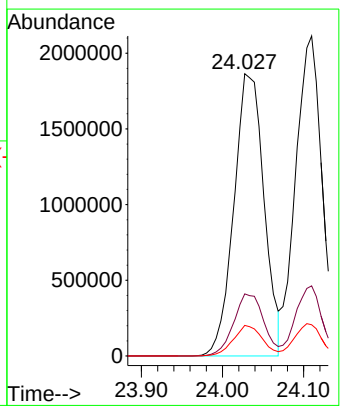
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

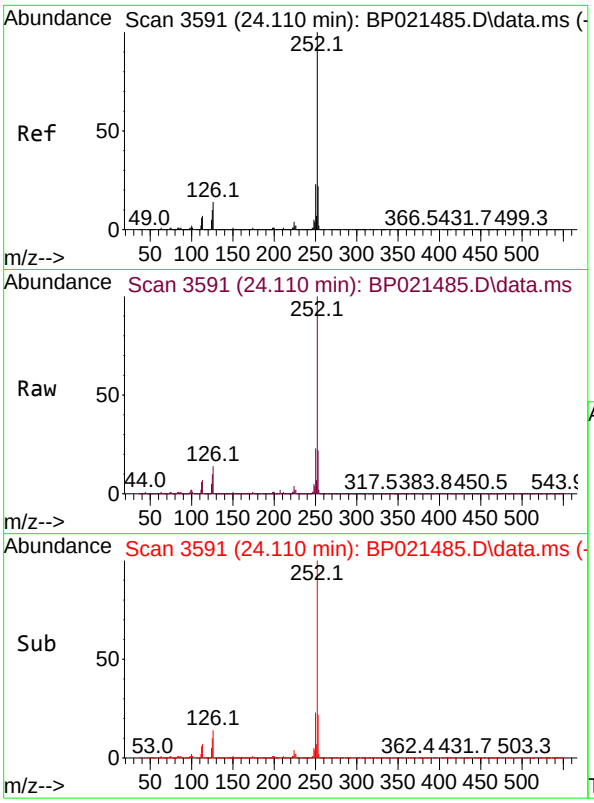


#88
Benzo(b)fluoranthene
Concen: 40.211 ng
RT: 24.027 min Scan# 3577
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:252 Resp: 4815875

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.8	8.6	13.0

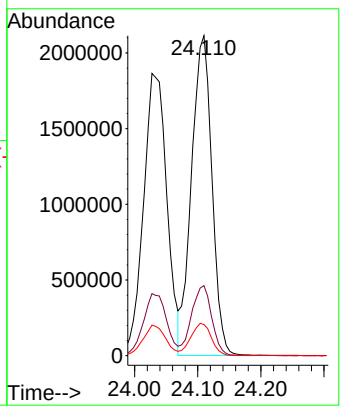




#89
Benzo(k)fluoranthene
Concen: 40.717 ng
RT: 24.110 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:252 Resp: 475700

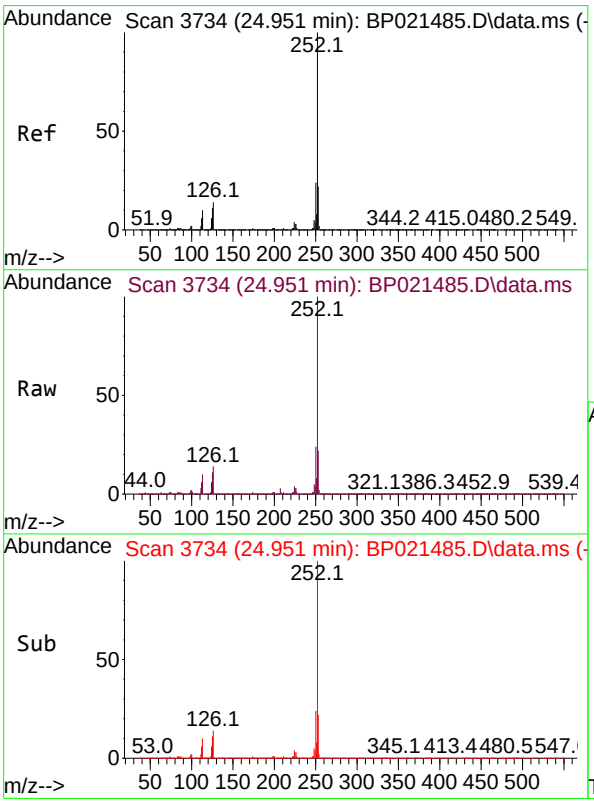
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.8	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

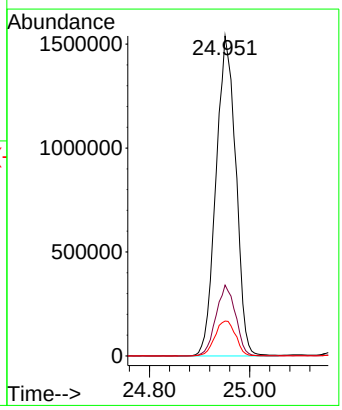
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

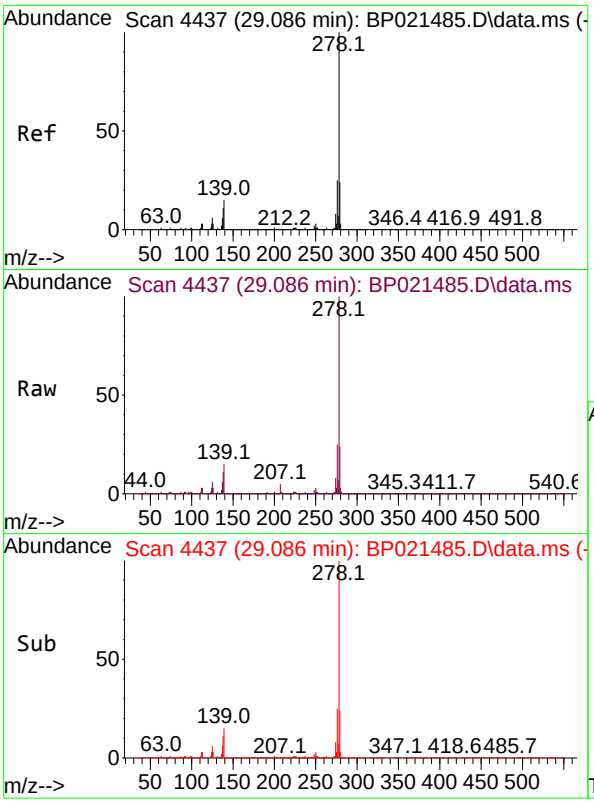


#90
Benzo(a)pyrene
Concen: 40.616 ng
RT: 24.951 min Scan# 3734
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:252 Resp: 4221348

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.9	8.7	13.1

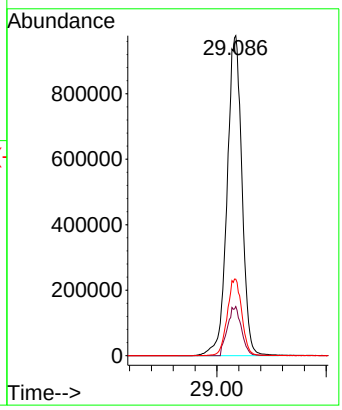




#91
Dibenzo(a,h)anthracene
Concen: 40.908 ng
RT: 29.086 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:278 Resp: 459455

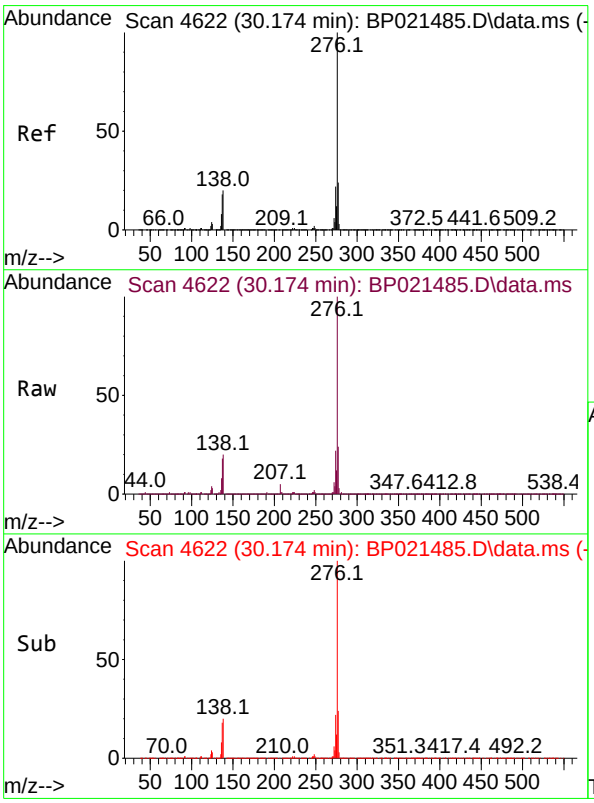
Ion	Ratio	Lower	Upper
278	100		
139	15.3	12.2	18.4
279	23.9	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

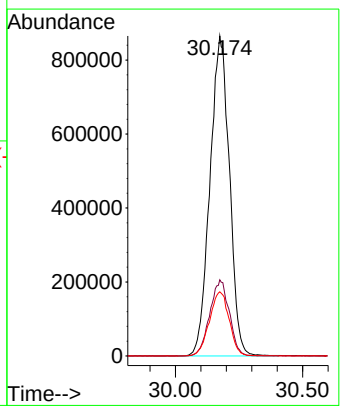
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 40.824 ng
RT: 30.174 min Scan# 4622
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:276 Resp: 4595577

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	20.0	16.0	24.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021486.D
Acq On : 13 Aug 2024 16:09
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:54:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	410033	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	1728756	20.000	ng	0.00
39) Acenaphthene-d10	14.446	164	1119203	20.000	ng	-0.01
64) Phenanthrene-d10	17.257	188	2278560	20.000	ng	0.00
76) Chrysene-d12	21.710	240	2093381	20.000	ng	0.01
86) Perylene-d12	25.121	264	2377136	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	2713912	98.280	ng	0.00
7) Phenol-d6	6.964	99	4004371	99.407	ng	0.00
23) Nitrobenzene-d5	8.958	82	3559213	106.266	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	1295133	103.974	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	7073510	96.455	ng	0.00
79) Terphenyl-d14	19.981	244	10188627	94.554	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	614292	46.916	ng	99
3) Pyridine	3.705	79	1785033m	48.836	ng	
4) n-Nitrosodimethylamine	3.617	42	529008	48.151	ng	99
6) Aniline	7.134	93	1973018	48.993	ng	100
8) 2-Chlorophenol	7.369	128	1266906	49.646	ng	98
9) Benzaldehyde	6.946	77	1099572	42.632	ng	99
10) Phenol	6.987	94	2070173	49.628	ng	99
11) bis(2-Chloroethyl)ether	7.228	93	1722098	48.789	ng	100
12) 1,3-Dichlorobenzene	7.699	146	1457386	48.079	ng	99
13) 1,4-Dichlorobenzene	7.840	146	1470548	48.044	ng	99
14) 1,2-Dichlorobenzene	8.158	146	1411170	47.842	ng	99
15) Benzyl Alcohol	8.034	79	1452516	50.255	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.334	45	1588042	48.854	ng	99
17) 2-Methylphenol	8.234	107	1308851	49.632	ng	99
18) Hexachloroethane	8.887	117	601480	49.004	ng	97
19) n-Nitroso-di-n-propyla...	8.611	70	1340426	48.171	ng	99
20) 3+4-Methylphenols	8.564	107	1777289	49.982	ng	98
22) Acetophenone	8.616	105	2552368	48.058	ng	99
24) Nitrobenzene	8.999	77	1881606	51.725	ng	98
25) Isophorone	9.522	82	3789274	47.889	ng	99
26) 2-Nitrophenol	9.705	139	464597	49.970	ng	98
27) 2,4-Dimethylphenol	9.763	122	956577	48.987	ng	98
28) bis(2-Chloroethoxy)met...	10.005	93	2342749	48.504	ng	100
29) 2,4-Dichlorophenol	10.234	162	1189252	51.545	ng	98
30) 1,2,4-Trichlorobenzene	10.458	180	1428575	48.296	ng	99
31) Naphthalene	10.646	128	4330348	47.949	ng	100
32) Benzoic acid	9.899	122	652668	50.213	ng	99
33) 4-Chloroaniline	10.746	127	1640026	48.345	ng	99
34) Hexachlorobutadiene	10.946	225	906501	48.672	ng	100
35) Caprolactam	11.510	113	469071	48.850	ng	98
36) 4-Chloro-3-methylphenol	11.863	107	1600490	50.008	ng	99
37) 2-Methylnaphthalene	12.263	142	2950679	47.872	ng	100
38) 1-Methylnaphthalene	12.481	142	2908087	47.838	ng	100
40) 1,2,4,5-Tetrachloroben...	12.628	216	1617735	49.332	ng	100
41) Hexachlorocyclopentadiene	12.616	237	546269	52.560	ng	99
43) 2,4,6-Trichlorophenol	12.863	196	949480	52.124	ng	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021486.D
Acq On : 13 Aug 2024 16:09
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 13 23:54:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	1056277	52.191	ng	98
46) 1,1'-Biphenyl	13.275	154	3811862	48.139	ng	100
47) 2-Chloronaphthalene	13.310	162	2979553	48.332	ng	98
48) 2-Nitroaniline	13.504	65	821676	47.603	ng	98
49) Acenaphthylene	14.169	152	4367223	48.190	ng	100
50) Dimethylphthalate	13.910	163	3569162	47.620	ng	99
51) 2,6-Dinitrotoluene	14.010	165	731267	48.330	ng	99
52) Acenaphthene	14.516	154	2861701	48.126	ng	100
53) 3-Nitroaniline	14.340	138	710103	47.788	ng	97
54) 2,4-Dinitrophenol	14.551	184	205628	49.369	ng	97
55) Dibenzofuran	14.857	168	4373407	47.811	ng	100
56) 4-Nitrophenol	14.646	139	562138	47.429	ng	96
57) 2,4-Dinitrotoluene	14.810	165	918371	47.777	ng	98
58) Fluorene	15.522	166	3525015	46.908	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.081	232	885682	51.558	ng	99
60) Diethylphthalate	15.304	149	3687157	47.945	ng	99
61) 4-Chlorophenyl-phenyle...	15.516	204	1836235	47.272	ng	97
62) 4-Nitroaniline	15.522	138	733231	47.987	ng	94
63) Azobenzene	15.810	77	4349860	46.014	ng	99
65) 4,6-Dinitro-2-methylph...	15.587	198	342052	49.749	ng	98
66) n-Nitrosodiphenylamine	15.734	169	2980276	48.807	ng	100
67) 4-Bromophenyl-phenylether	16.434	248	1198687	49.707	ng	98
68) Hexachlorobenzene	16.545	284	1395323	48.961	ng	99
69) Atrazine	16.716	200	1019051	48.608	ng	98
70) Pentachlorophenol	16.892	266	812046	52.206	ng	99
71) Phenanthrene	17.304	178	5308898	48.447	ng	100
72) Anthracene	17.392	178	5212543	48.503	ng	100
73) Carbazole	17.669	167	4974161	48.027	ng	99
74) Di-n-butylphthalate	18.287	149	6454560	50.745	ng	100
75) Fluoranthene	19.386	202	6476130	48.166	ng	99
77) Benzidine	19.575	184	2493655	52.808	ng	100
78) Pyrene	19.757	202	6603640	48.263	ng	99
80) Butylbenzylphthalate	20.710	149	2559896	49.198	ng	98
81) Benzo(a)anthracene	21.686	228	6405297	48.741	ng	99
82) 3,3'-Dichlorobenzidine	21.610	252	2191535	52.013	ng	99
83) Chrysene	21.763	228	6024463	48.555	ng	100
84) Bis(2-ethylhexyl)phtha...	21.645	149	4205342	54.143	ng	100
85) Di-n-octyl phthalate	22.969	149	6722548	49.144	ng	100
87) Indeno(1,2,3-cd)pyrene	29.004	276	7707464m	50.025	ng	
88) Benzo(b)fluoranthene	24.039	252	6647186	48.689	ng	100
89) Benzo(k)fluoranthene	24.116	252	6552987	49.204	ng	99
90) Benzo(a)pyrene	24.957	252	5918922	49.959	ng	99
91) Dibenzo(a,h)anthracene	29.092	278	6420896	50.151	ng	99
92) Benzo(g,h,i)perylene	30.221	276	6383870	49.748	ng	99

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

ICAL Form

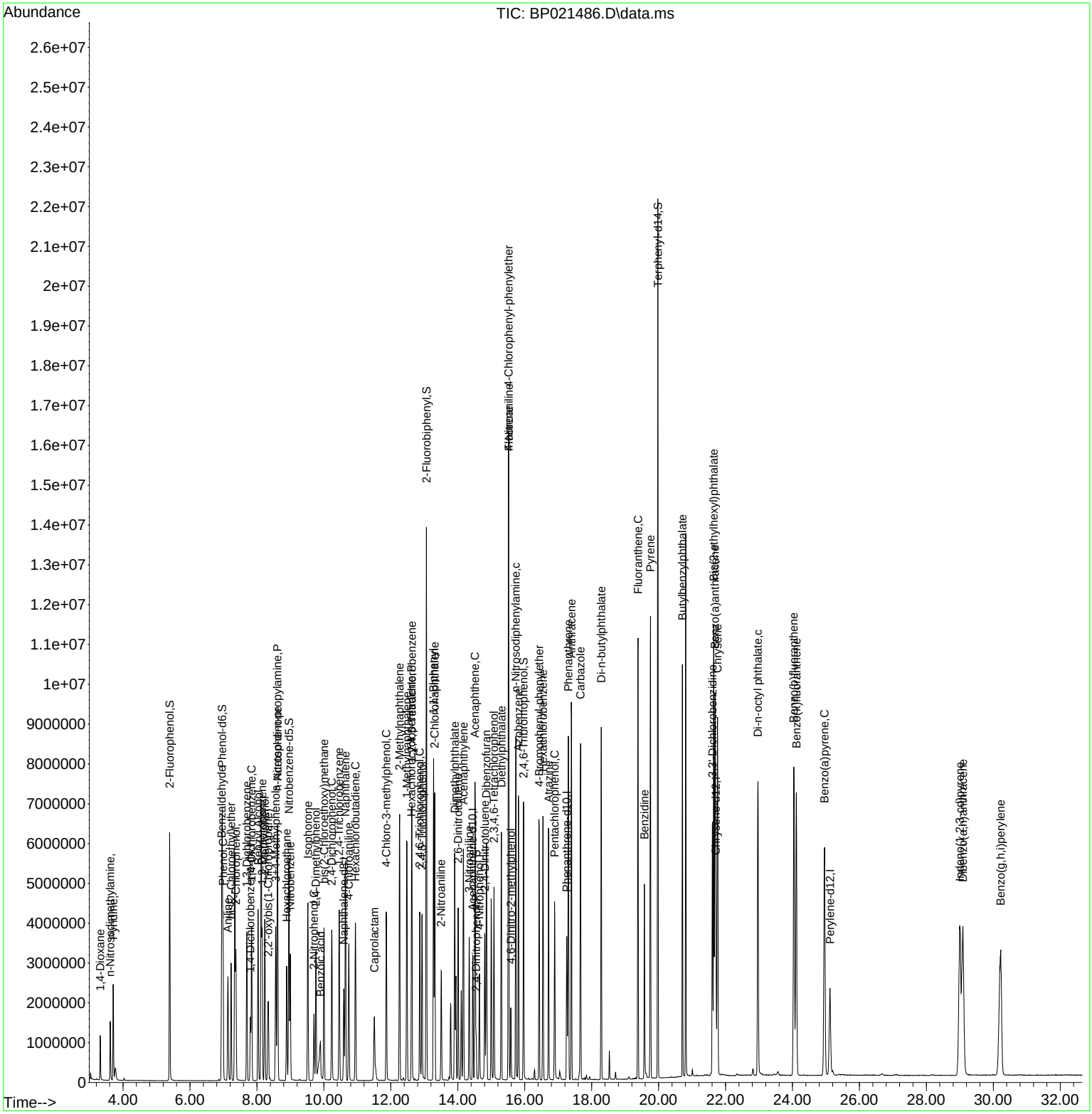
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021486.D
Acq On : 13 Aug 2024 16:09
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

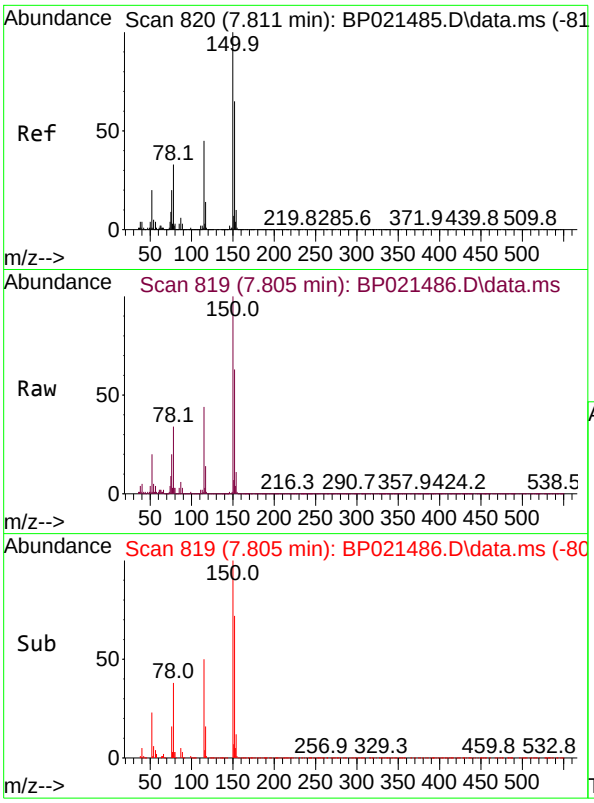
Quant Time: Aug 13 23:54:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

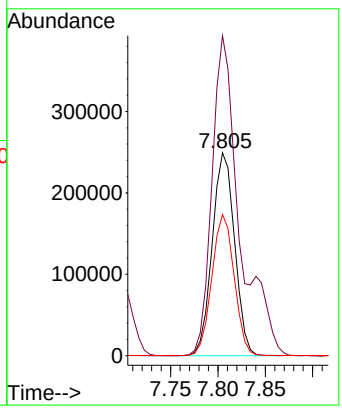




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:152 Resp: 41003

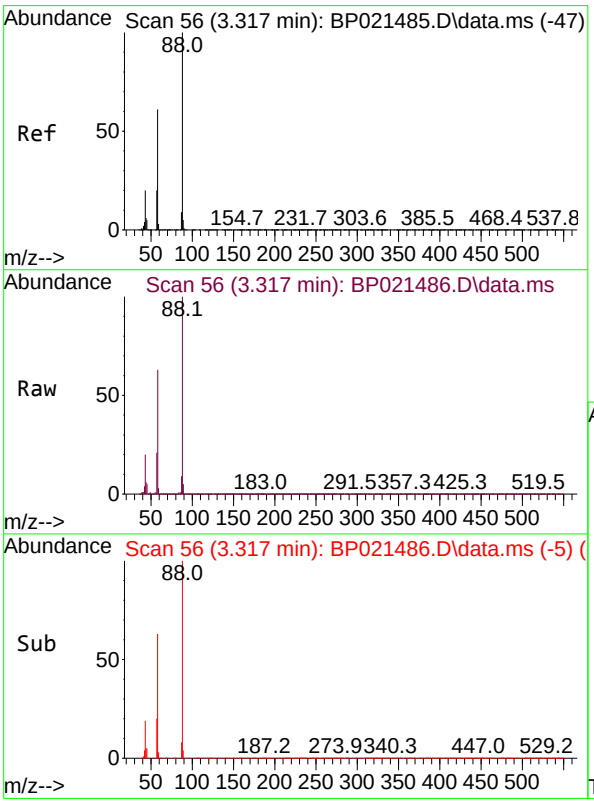
Ion	Ratio	Lower	Upper
152	100		
150	157.8	122.4	183.6
115	69.6	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

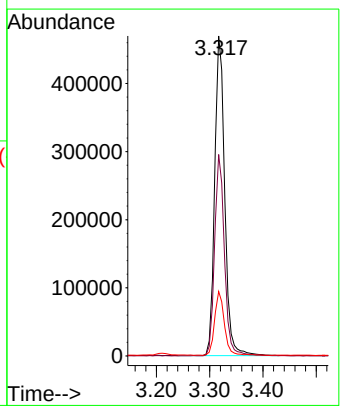
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

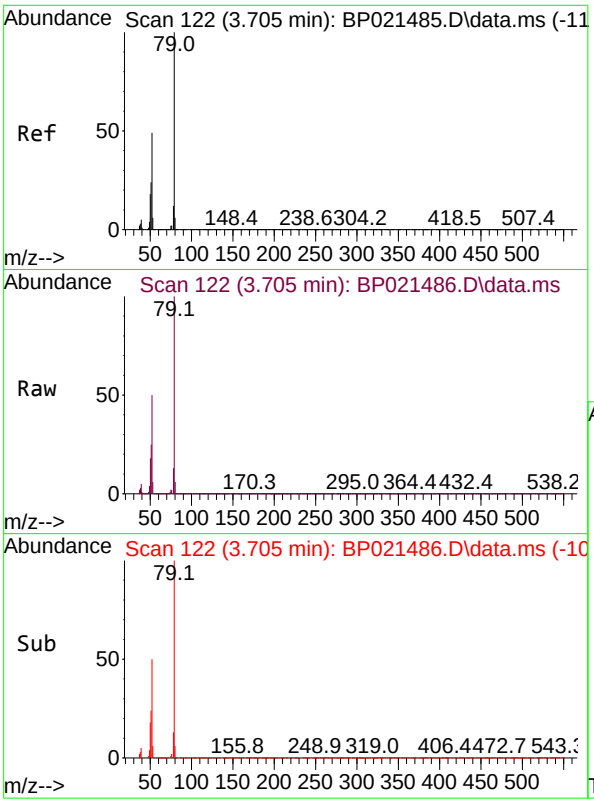


#2
1,4-Dioxane
Concen: 46.916 ng
RT: 3.317 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 88 Resp: 614292

Ion	Ratio	Lower	Upper
88	100		
58	61.9	48.7	73.1
43	19.4	15.4	23.2

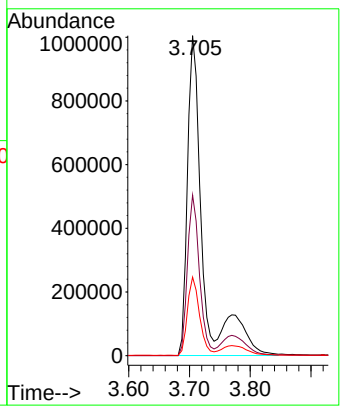




#3
Pyridine
Concen: 48.836 ng m
RT: 3.705 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 79 Resp: 178503

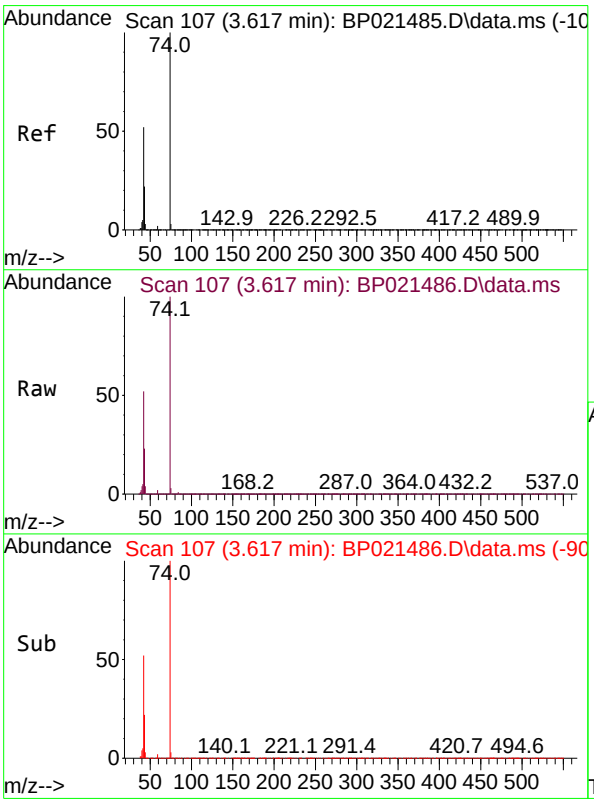
Ion	Ratio	Lower	Upper
79	100		
52	50.2	39.0	58.6
51	24.5	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

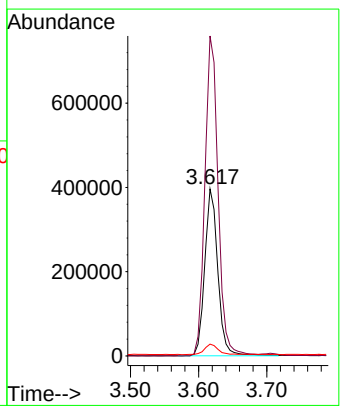
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

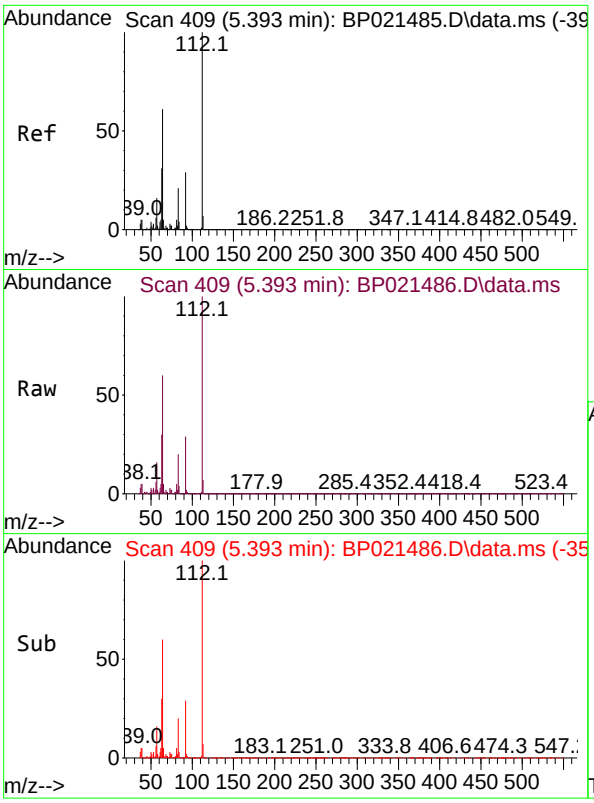


#4
n-Nitrosodimethylamine
Concen: 48.151 ng
RT: 3.617 min Scan# 107
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 42 Resp: 529008

Ion	Ratio	Lower	Upper
42	100		
74	191.6	154.3	231.5
44	7.1	6.2	9.4





#5
2-Fluorophenol
Concen: 98.280 ng
RT: 5.393 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

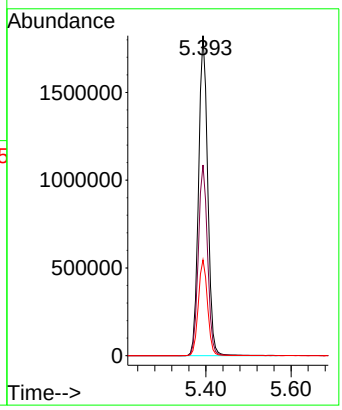
Tgt Ion:112 Resp: 271391

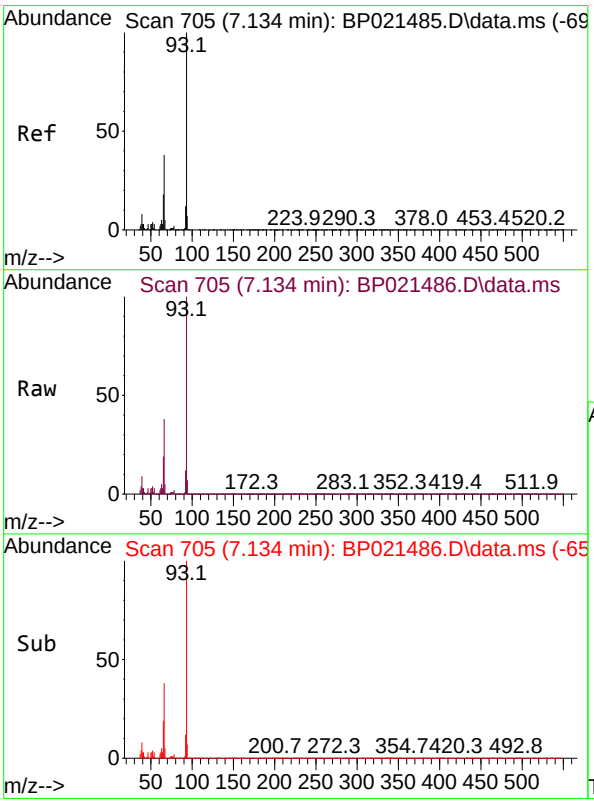
Ion	Ratio	Lower	Upper
112	100		
64	59.6	49.0	73.6
63	29.9	24.6	36.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

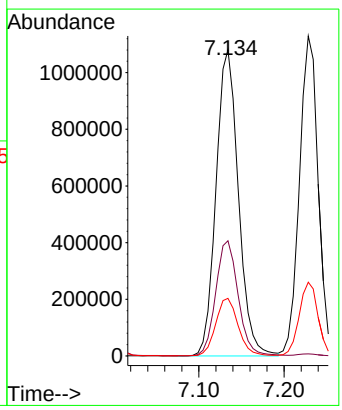


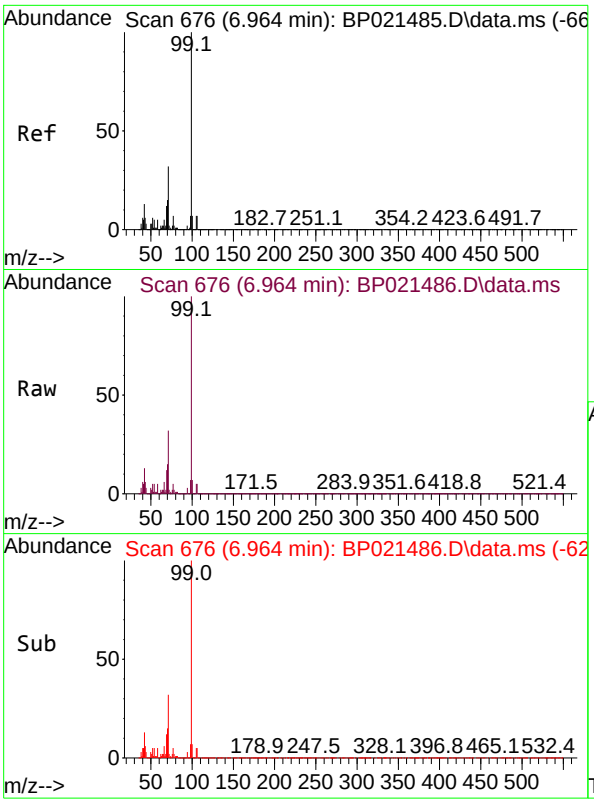


#6
Aniline
Concen: 48.993 ng
RT: 7.134 min Scan# 705
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 93 Resp: 1973018

Ion	Ratio	Lower	Upper
93	100		
66	37.6	30.2	45.2
65	18.8	14.7	22.1

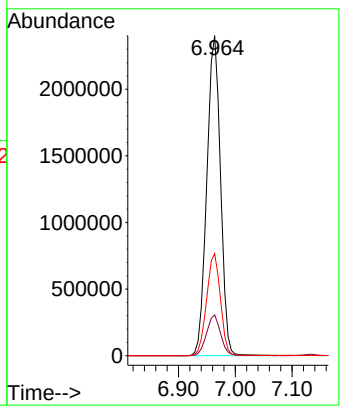




#7
Phenol-d6
Concen: 99.407 ng
RT: 6.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 99 Resp: 400437

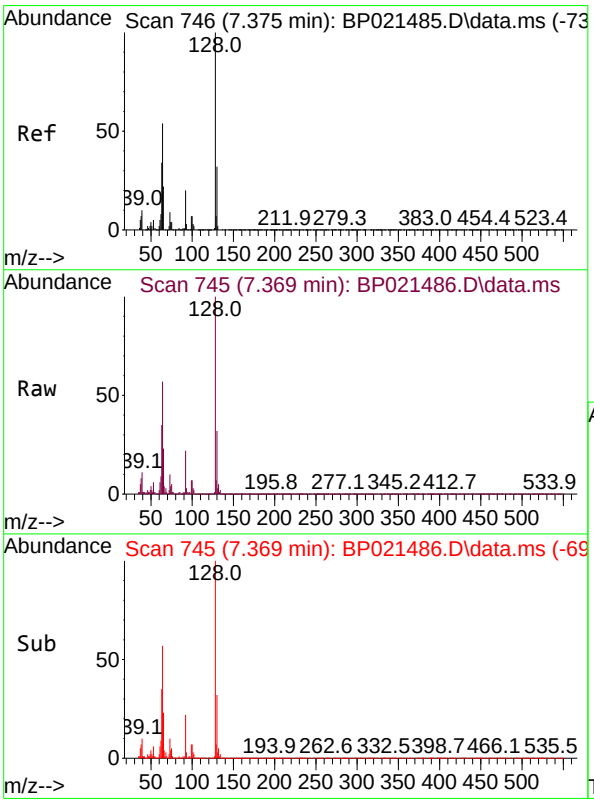
Ion	Ratio	Lower	Upper
99	100		
42	12.8	10.2	15.4
71	31.9	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

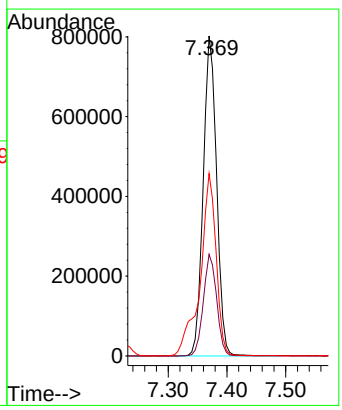
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

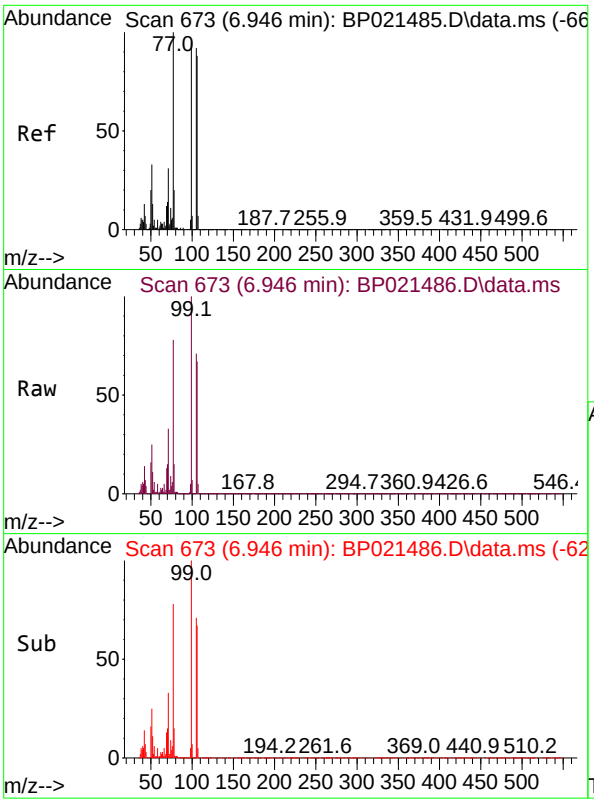


#8
2-Chlorophenol
Concen: 49.646 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:128 Resp: 1266906

Ion	Ratio	Lower	Upper
128	100		
130	31.8	11.6	51.6
64	57.0	35.3	75.3

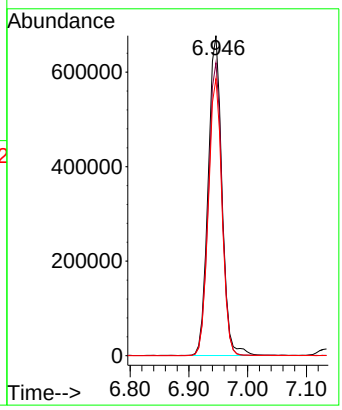




#9
Benzaldehyde
Concen: 42.632 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 77 Resp: 109957

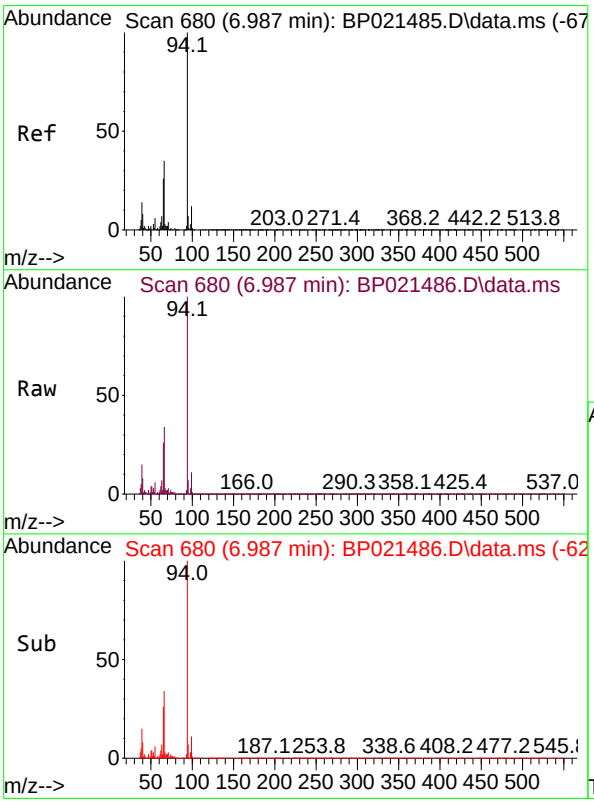
Ion	Ratio	Lower	Upper
77	100		
105	91.6	72.1	112.1
106	86.6	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

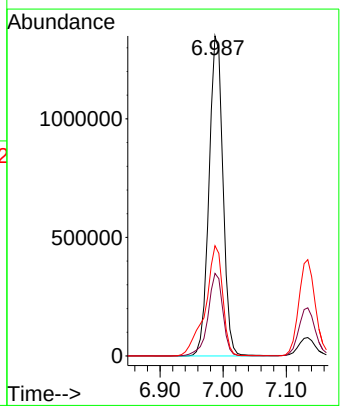
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

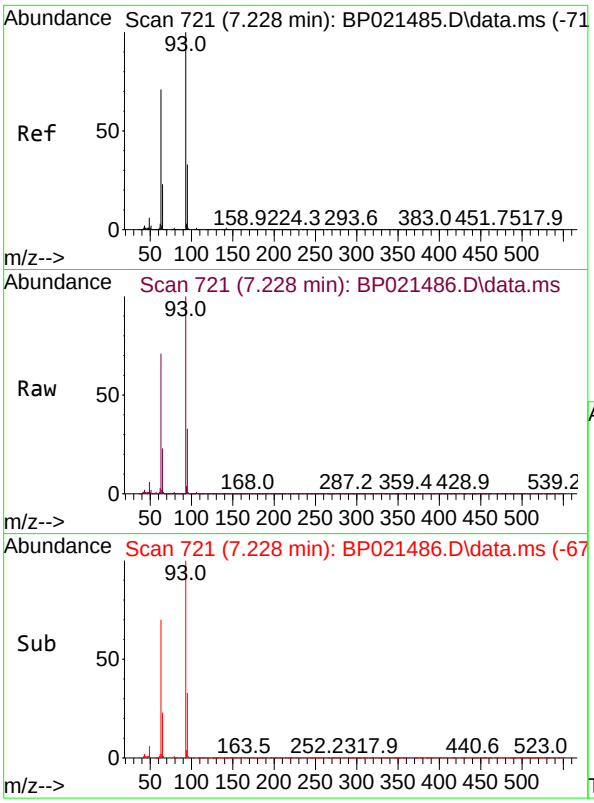


#10
Phenol
Concen: 49.628 ng
RT: 6.987 min Scan# 680
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 94 Resp: 2070173

Ion	Ratio	Lower	Upper
94	100		
65	25.8	6.5	46.5
66	34.5	14.7	54.7

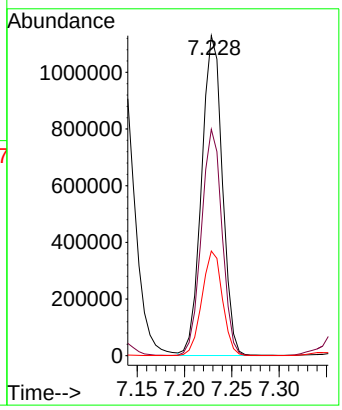




#11
bis(2-Chloroethyl)ether
Concen: 48.789 ng
RT: 7.228 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 93 Resp: 172209

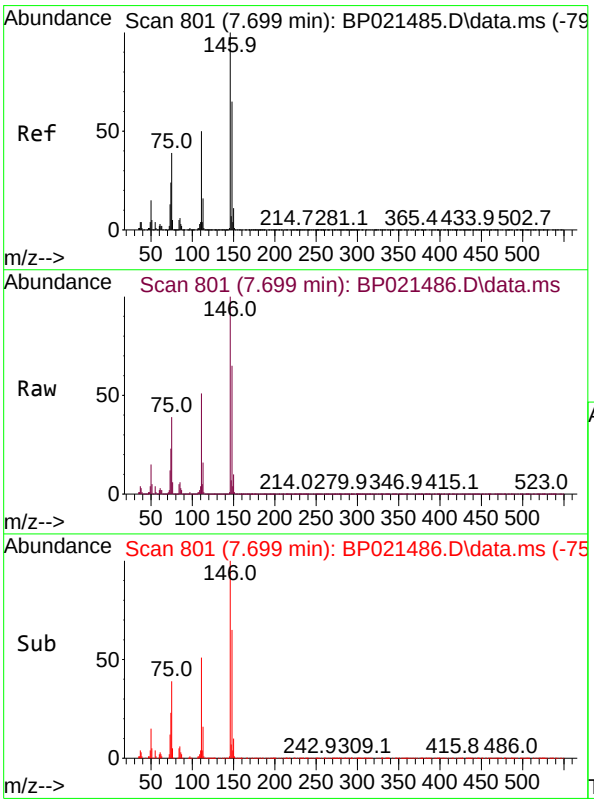
Ion	Ratio	Lower	Upper
93	100		
63	70.8	51.0	91.0
95	32.7	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

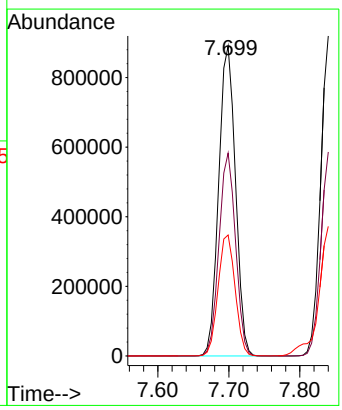
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

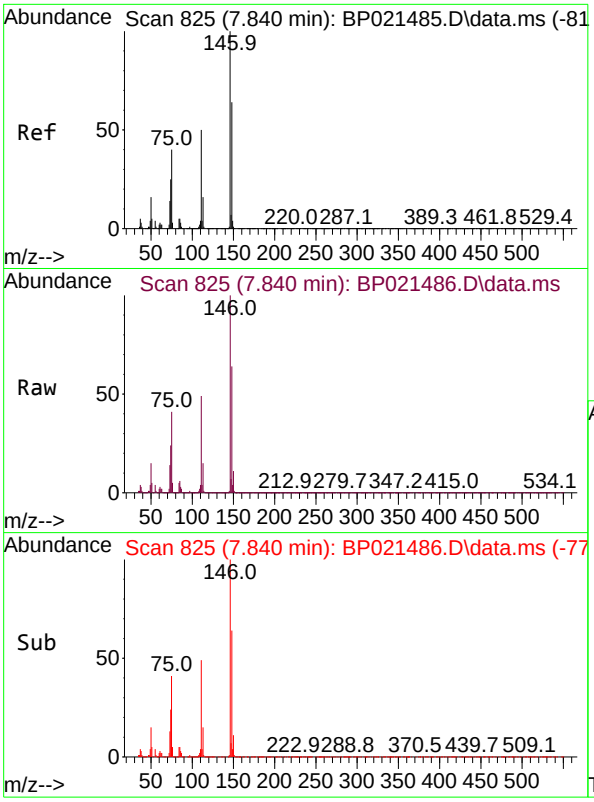


#12
1,3-Dichlorobenzene
Concen: 48.079 ng
RT: 7.699 min Scan# 801
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:146 Resp: 1457386

Ion	Ratio	Lower	Upper
146	100		
148	65.4	51.8	77.6
75	39.0	31.3	46.9

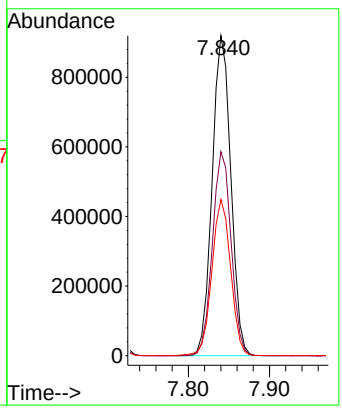




#13
1,4-Dichlorobenzene
Concen: 48.044 ng
RT: 7.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:146 Resp: 147054

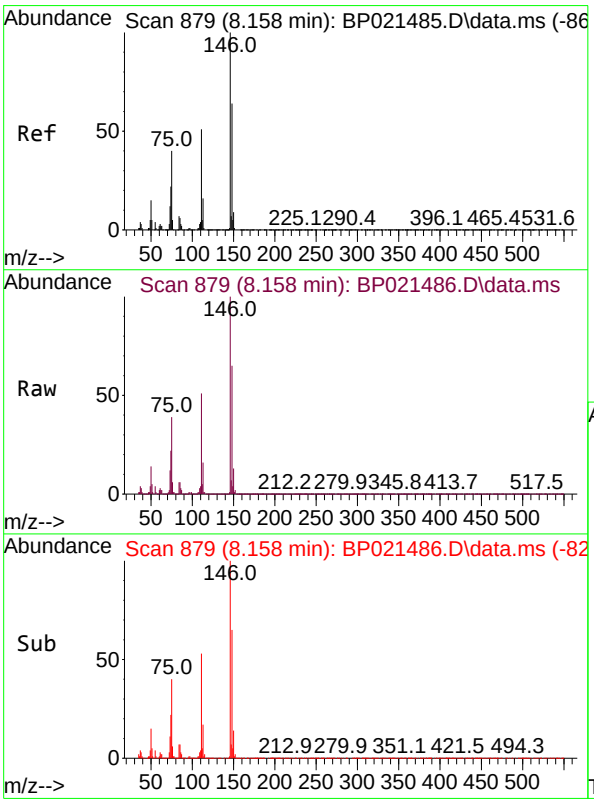
Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.5	77.3
111	48.8	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

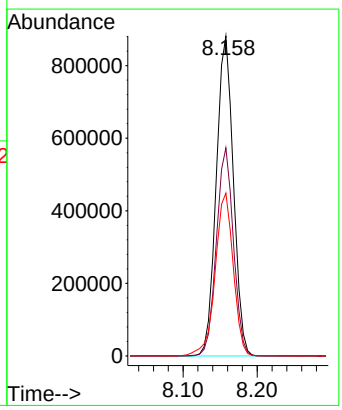
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

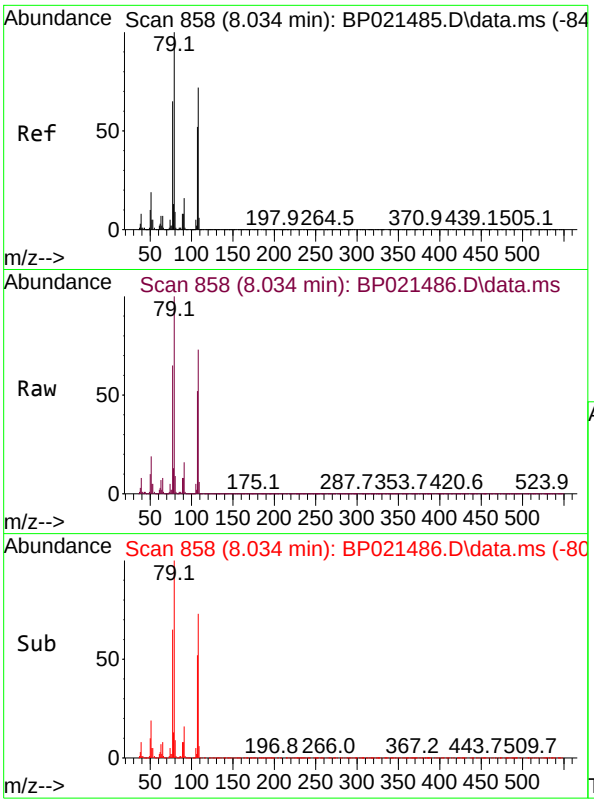


#14
1,2-Dichlorobenzene
Concen: 47.842 ng
RT: 8.158 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:146 Resp: 1411170

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.5	77.3
111	50.9	41.1	61.7





#15
Benzyl Alcohol
Concen: 50.255 ng
RT: 8.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

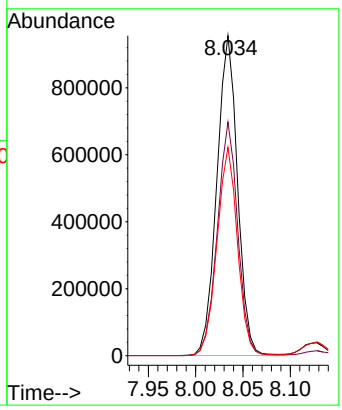
Tgt Ion: 79 Resp: 145251

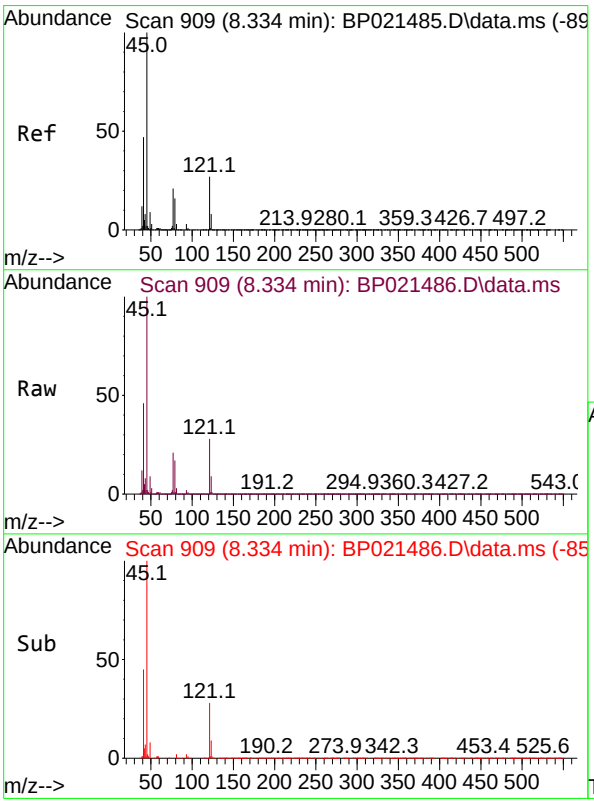
Ion	Ratio	Lower	Upper
79	100		
108	73.0	57.9	86.9
77	65.1	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

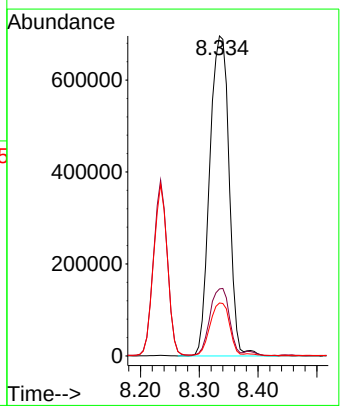


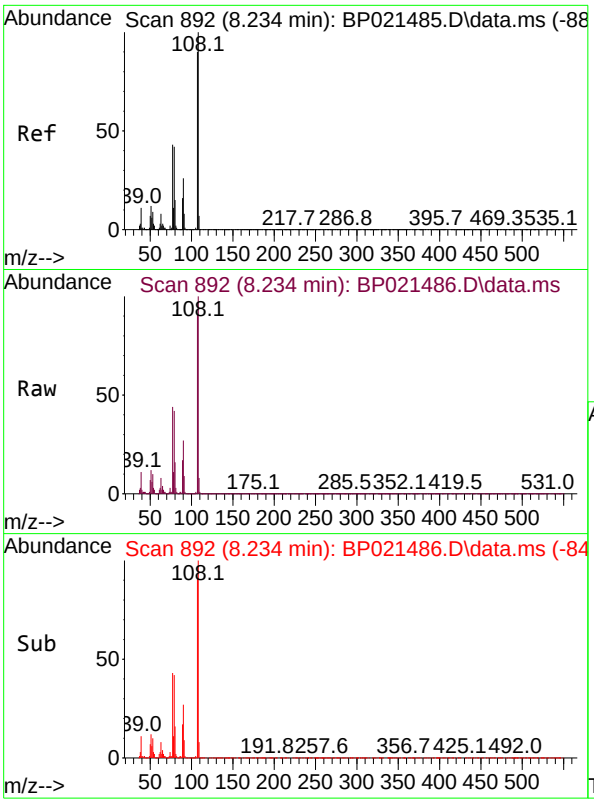


#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.854 ng
RT: 8.334 min Scan# 909
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 45 Resp: 1588042

Ion	Ratio	Lower	Upper
45	100		
77	21.0	1.9	41.9
79	16.5	0.0	36.6

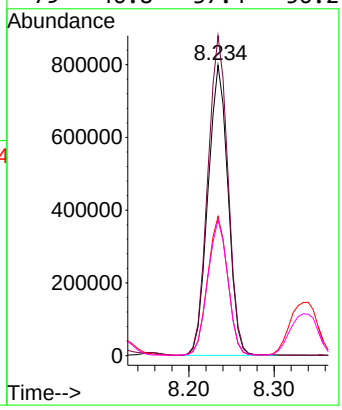




#17
2-Methylphenol
Concen: 49.632 ng
RT: 8.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:107 Resp: 130885

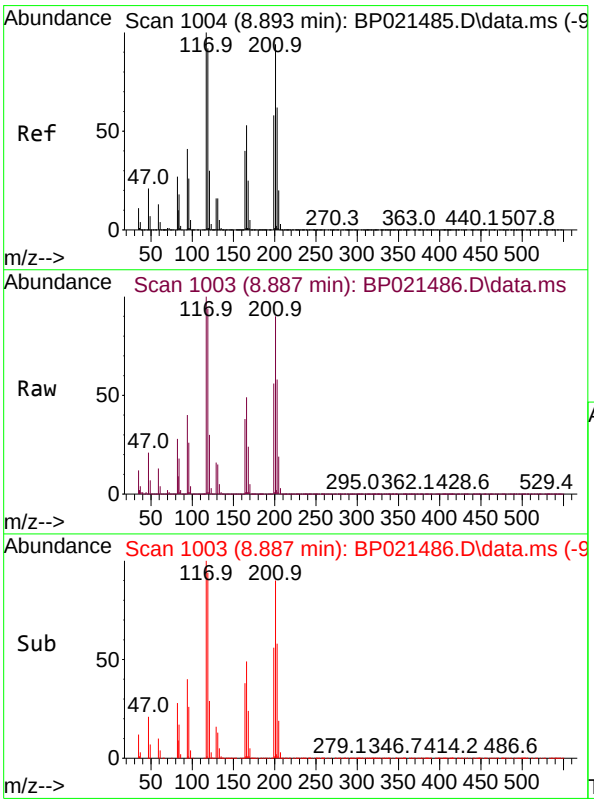
Ion	Ratio	Lower	Upper
107	100		
108	110.2	88.8	133.2
77	47.9	38.7	58.1
79	46.8	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

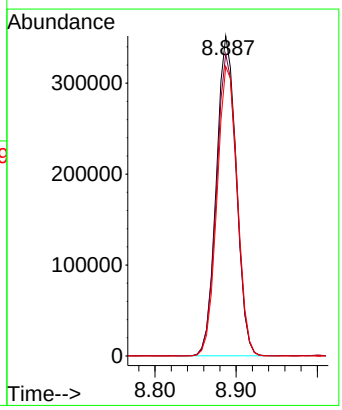
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

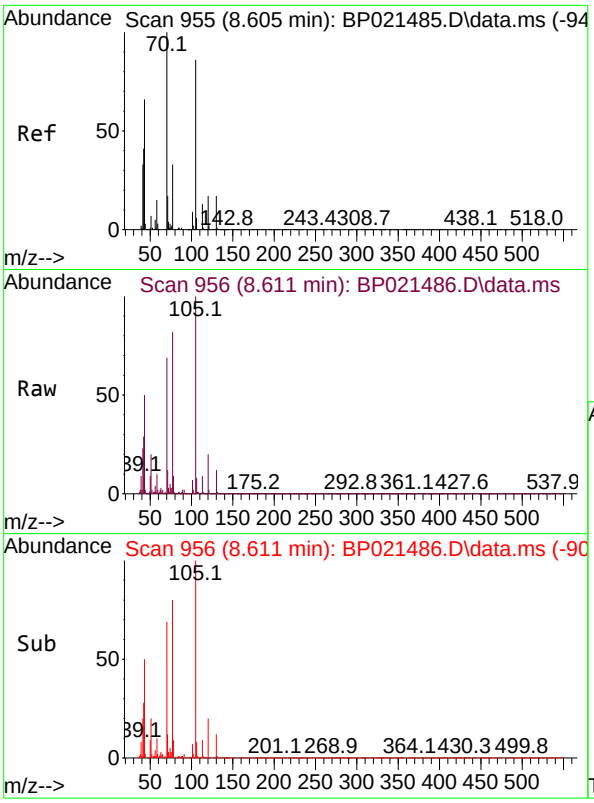


#18
Hexachloroethane
Concen: 49.004 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:117 Resp: 601480

Ion	Ratio	Lower	Upper
117	100		
119	94.4	73.9	110.9
201	90.5	74.9	112.3

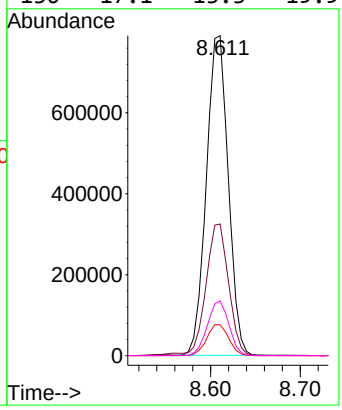




#19
n-Nitroso-di-n-propylamine
Concen: 48.171 ng
RT: 8.611 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 70 Resp: 134042

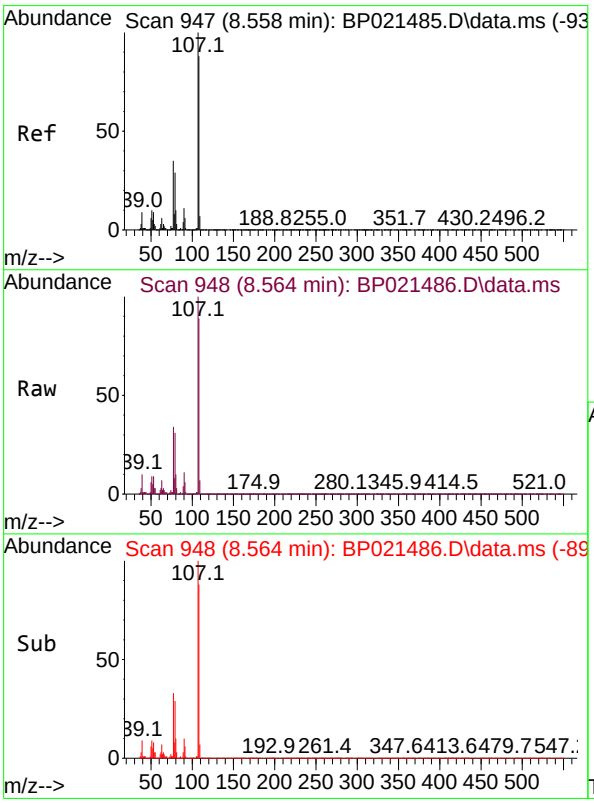
Ion	Ratio	Lower	Upper
70	100		
42	41.2	33.1	49.7
101	9.6	7.4	11.2
130	17.1	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

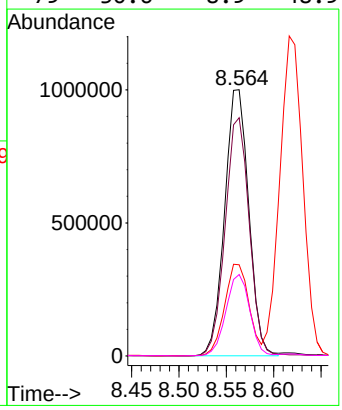
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

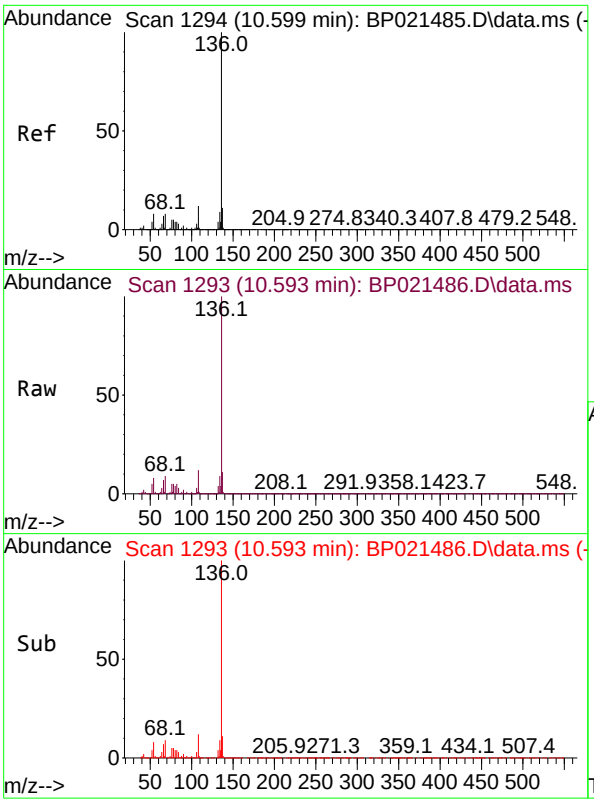


#20
3+4-Methylphenols
Concen: 49.982 ng
RT: 8.564 min Scan# 948
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:107 Resp: 1777289

Ion	Ratio	Lower	Upper
107	100		
108	89.5	67.6	107.6
77	34.2	15.0	55.0
79	30.6	8.9	48.9

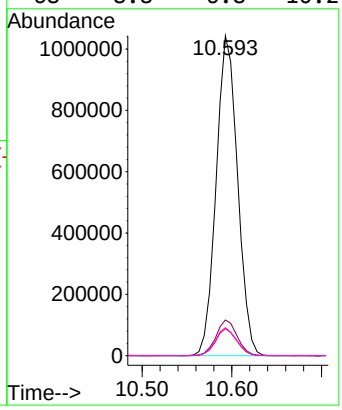




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:136 Resp: 172875

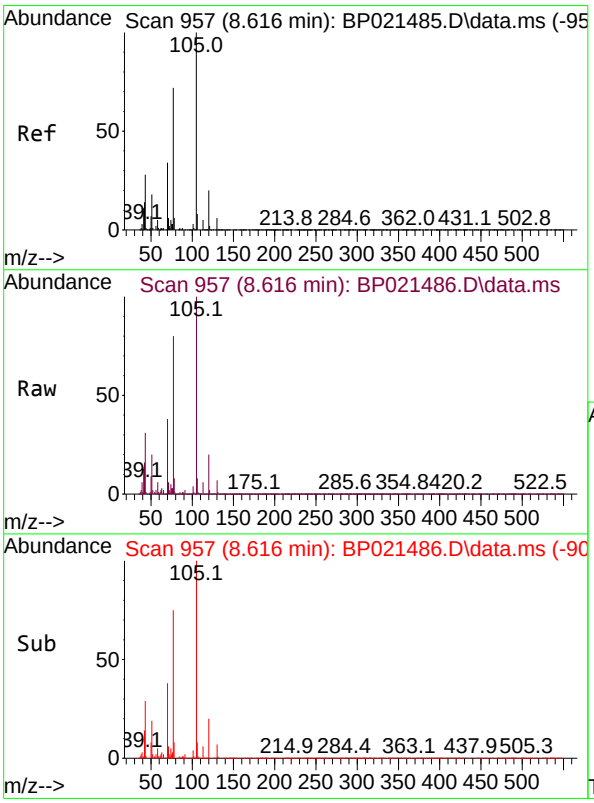
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.5	6.3	9.5
68	8.8	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

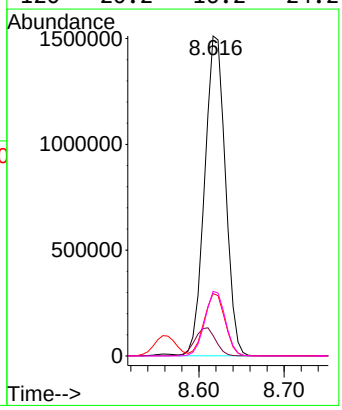
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

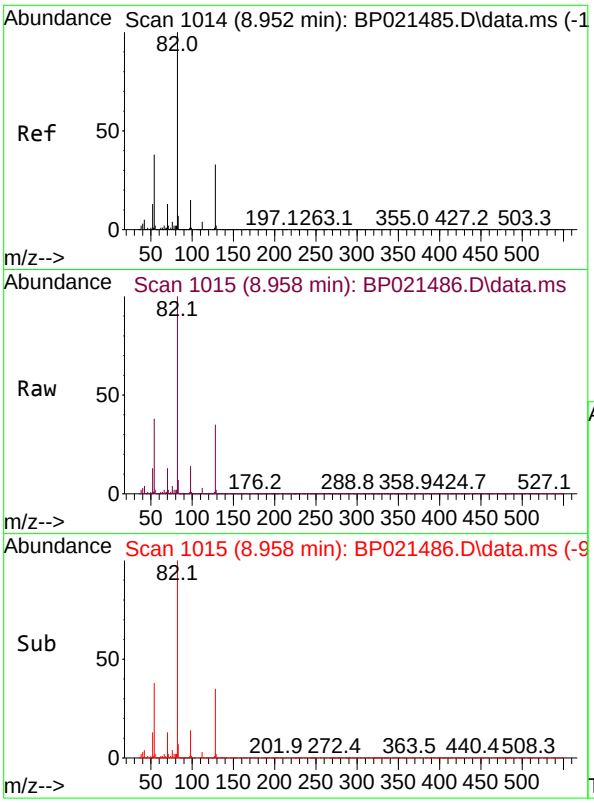


#22
Acetophenone
Concen: 48.058 ng
RT: 8.616 min Scan# 957
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:105 Resp: 2552368

Ion	Ratio	Lower	Upper
105	100		
71	6.4	4.6	7.0
51	19.5	16.3	24.5
120	20.2	16.2	24.2

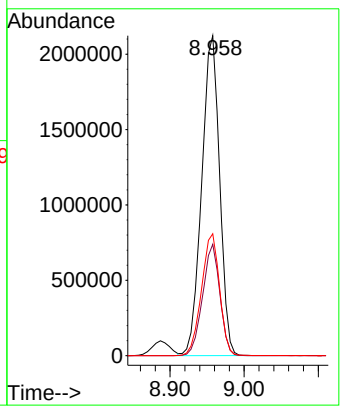




#23
Nitrobenzene-d5
Concen: 106.266 ng
RT: 8.958 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 82 Resp: 355921

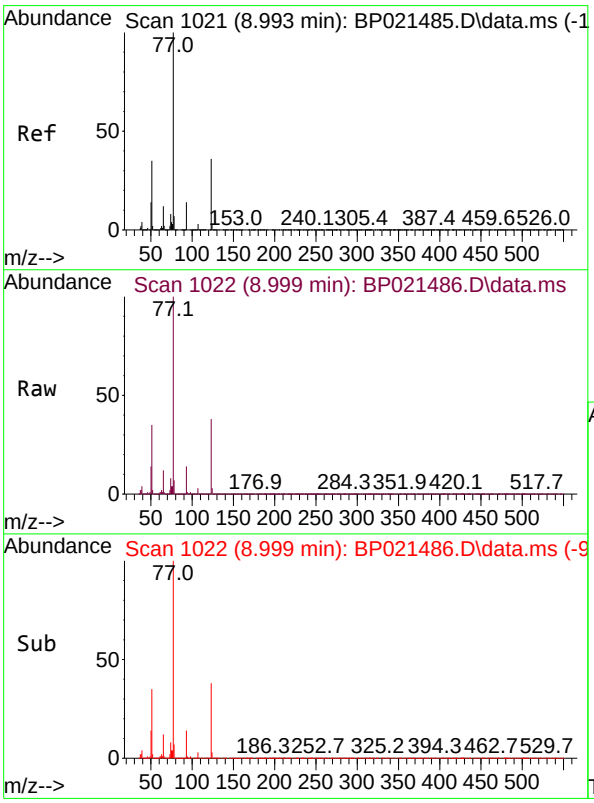
Ion	Ratio	Lower	Upper
82	100		
128	34.8	26.5	39.7
54	38.1	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

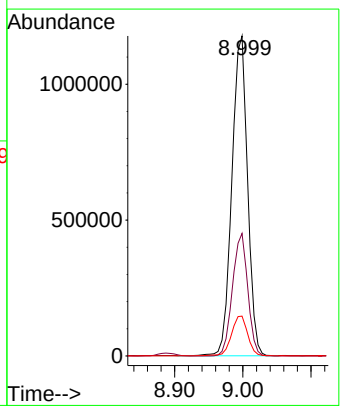
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

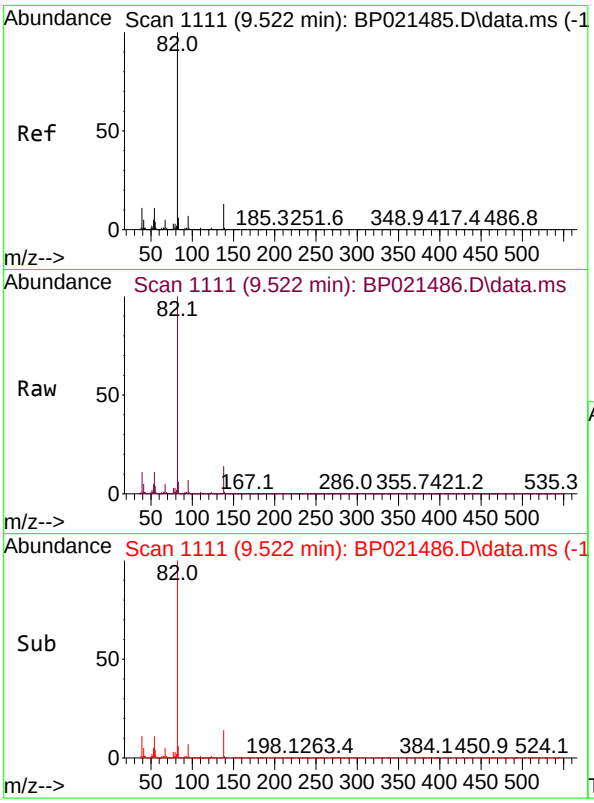


#24
Nitrobenzene
Concen: 51.725 ng
RT: 8.999 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 77 Resp: 1881606

Ion	Ratio	Lower	Upper
77	100		
123	38.3	29.5	44.3
65	12.4	9.9	14.9

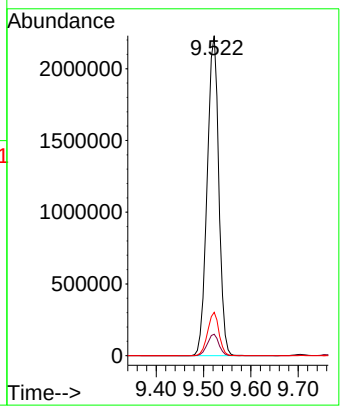




#25
Isophorone
Concen: 47.889 ng
RT: 9.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 82 Resp: 378927

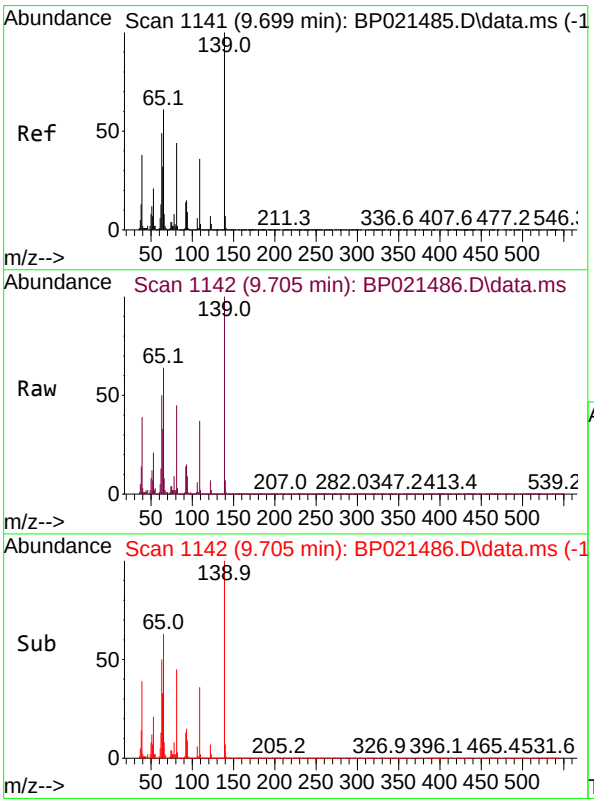
Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

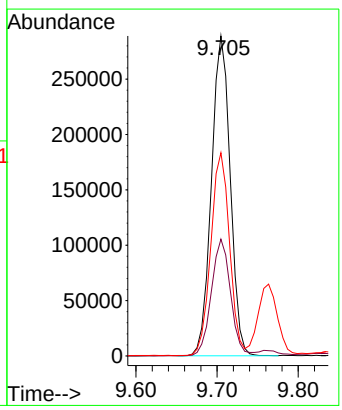
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

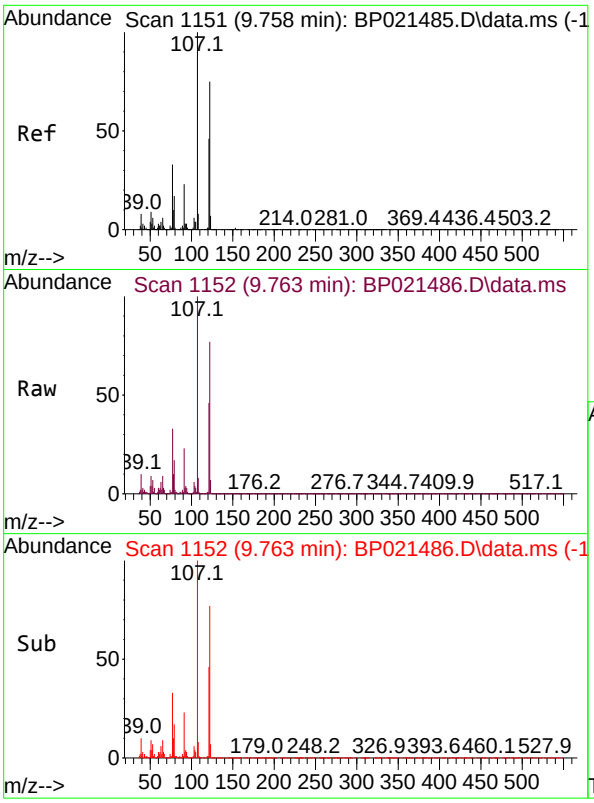


#26
2-Nitrophenol
Concen: 49.970 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:139 Resp: 464597

Ion	Ratio	Lower	Upper
139	100		
109	36.5	28.9	43.3
65	63.5	49.0	73.6

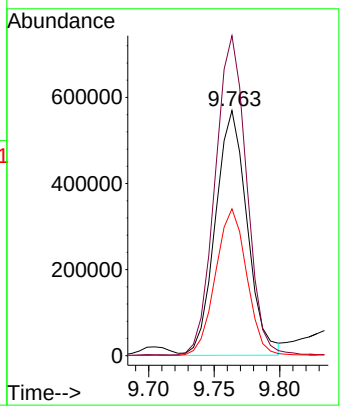




#27
2,4-Dimethylphenol
Concen: 48.987 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:122 Resp: 95657

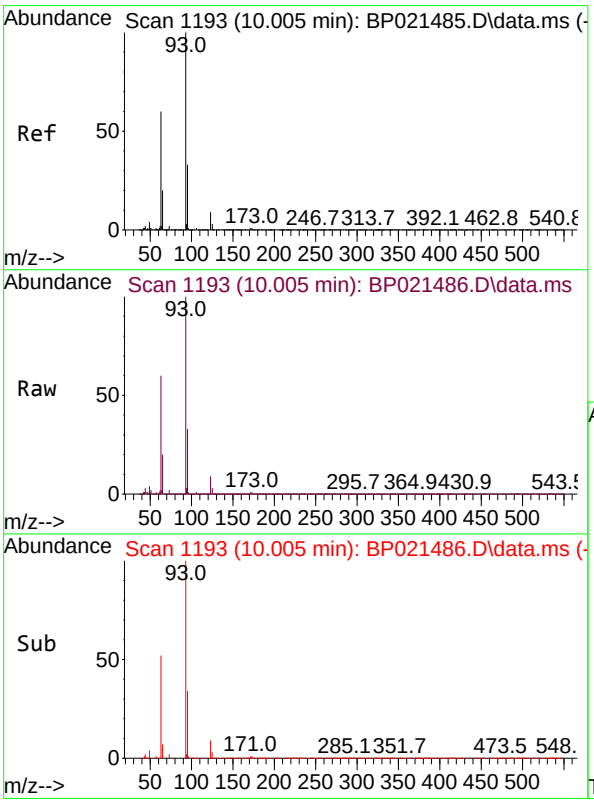
Ion	Ratio	Lower	Upper
122	100		
107	130.6	106.2	159.4
121	60.0	48.8	73.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

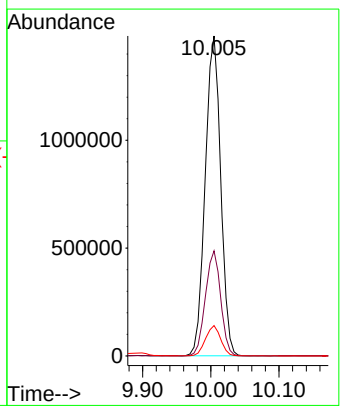
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

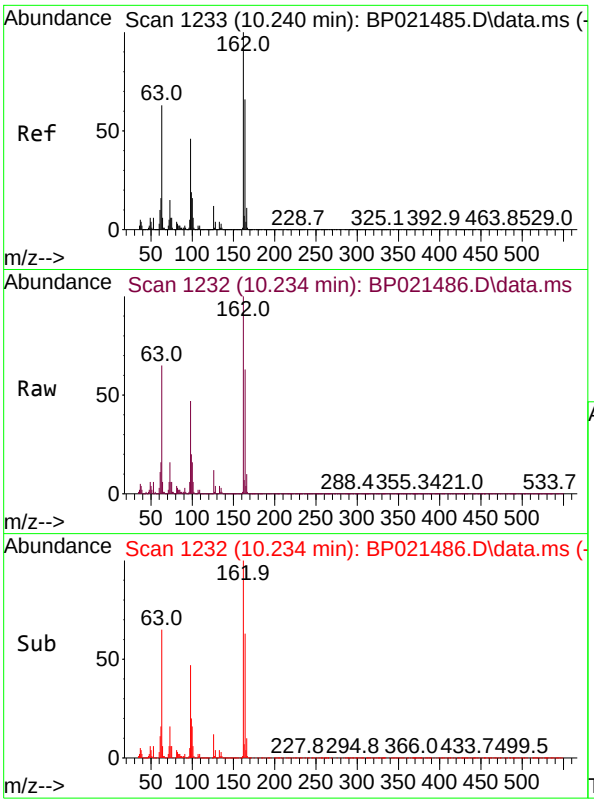


#28
bis(2-Chloroethoxy)methane
Concen: 48.504 ng
RT: 10.005 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 93 Resp: 2342749

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	9.5	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 51.545 ng
RT: 10.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

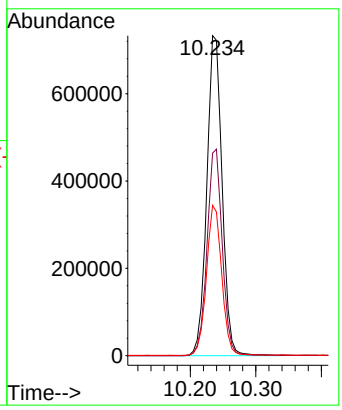
Tgt Ion:162 Resp: 118925

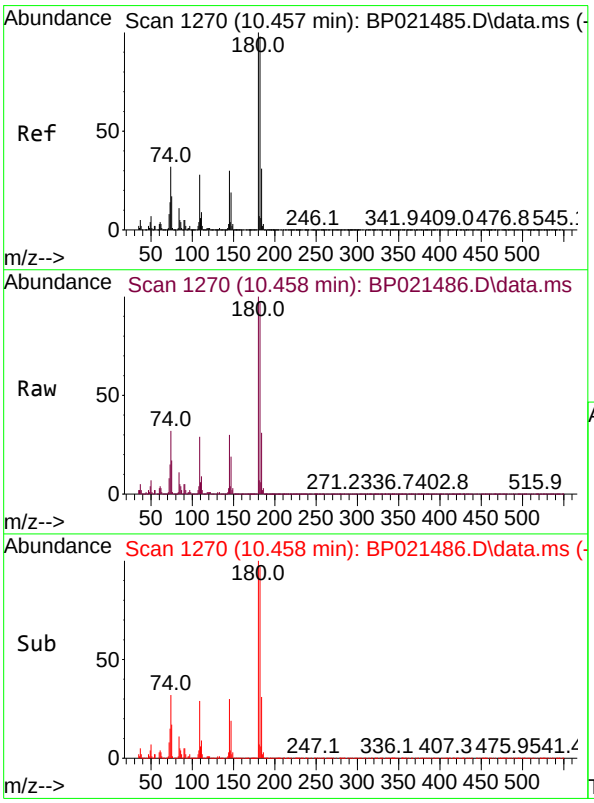
Ion	Ratio	Lower	Upper
162	100		
164	63.3	45.9	85.9
98	47.0	26.3	66.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

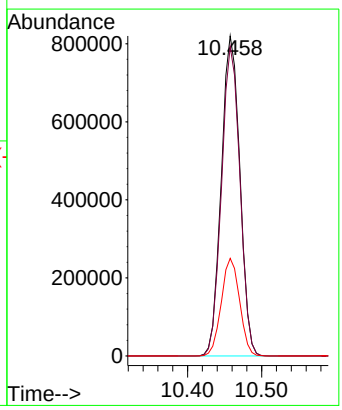


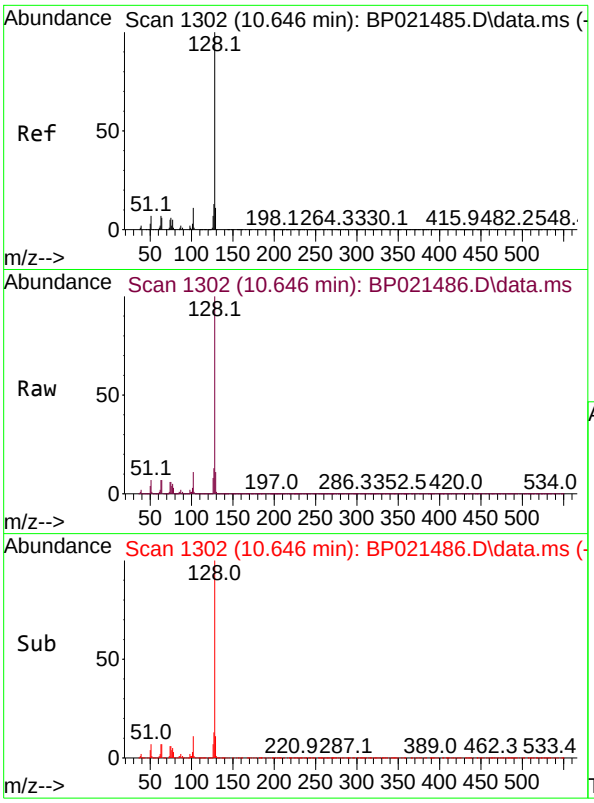


#30
1,2,4-Trichlorobenzene
Concen: 48.296 ng
RT: 10.458 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:180 Resp: 1428575

Ion	Ratio	Lower	Upper
180	100		
182	96.7	78.3	117.5
145	30.5	24.0	36.0





#31
Naphthalene
Concen: 47.949 ng
RT: 10.646 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

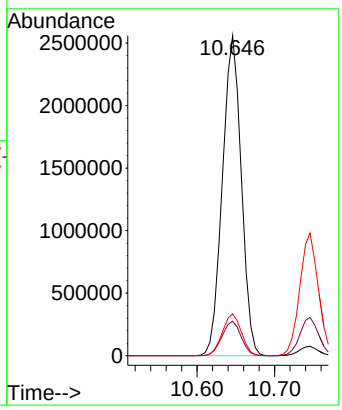
Tgt Ion:128 Resp: 433034

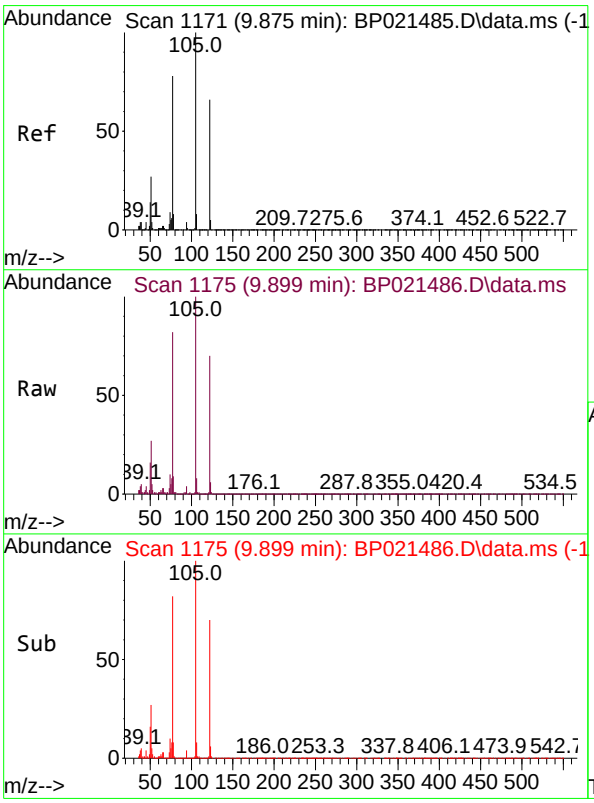
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.1	10.6	15.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

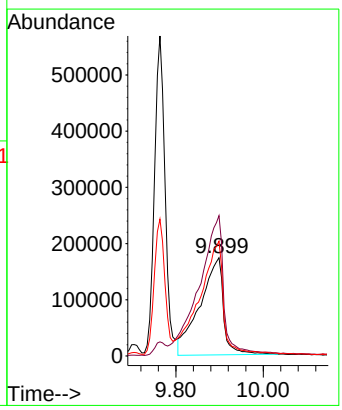


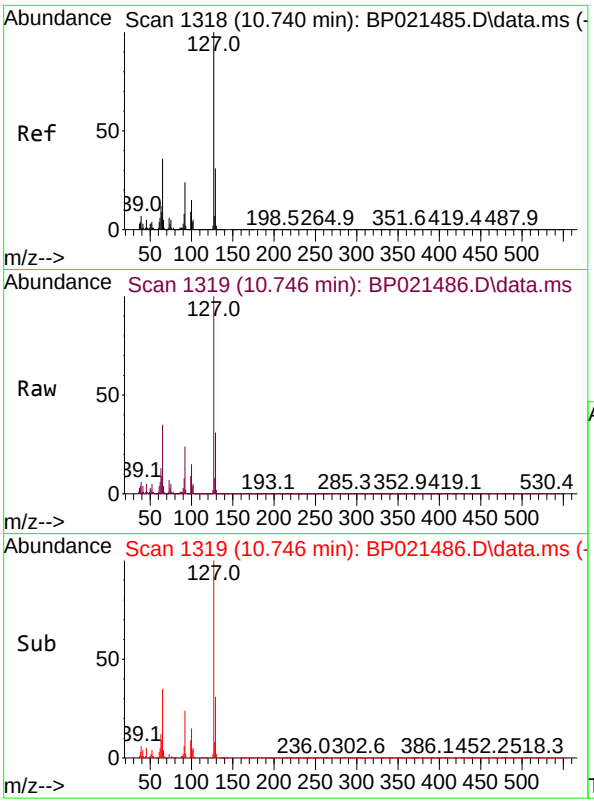


#32
Benzoic acid
Concen: 50.213 ng
RT: 9.899 min Scan# 1175
Delta R.T. 0.024 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:122 Resp: 652668

Ion	Ratio	Lower	Upper
122	100		
105	142.9	124.6	164.6
77	116.7	96.2	136.2

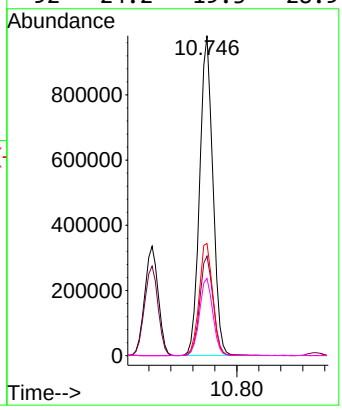




#33
4-Chloroaniline
Concen: 48.345 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:127 Resp: 164002

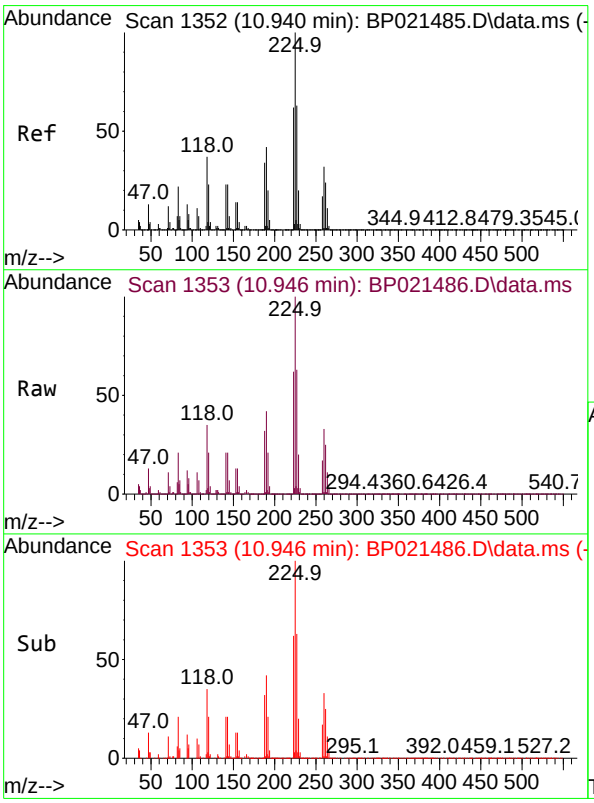
Ion	Ratio	Lower	Upper
127	100		
129	31.2	24.5	36.7
65	35.1	28.9	43.3
92	24.2	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

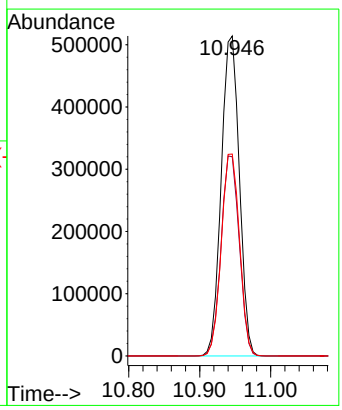
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

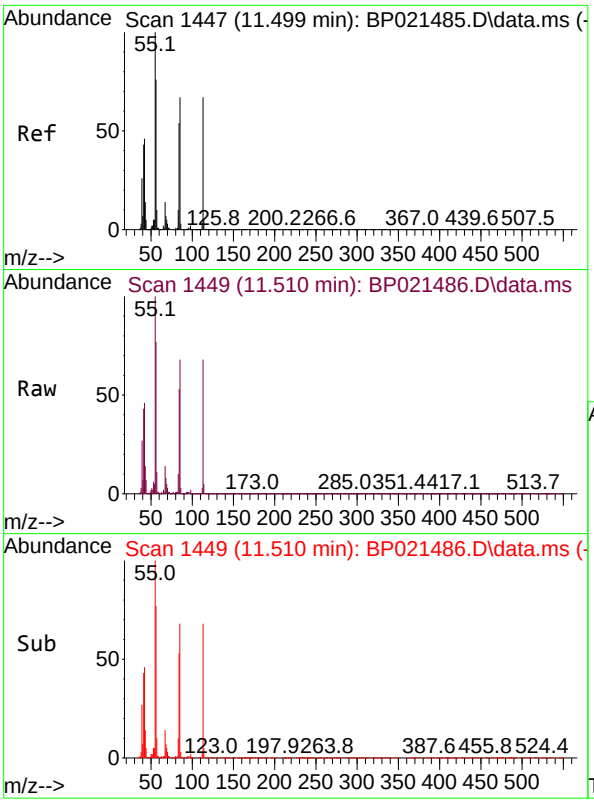


#34
Hexachlorobutadiene
Concen: 48.672 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:225 Resp: 906501

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.6	74.4
227	63.1	50.1	75.1

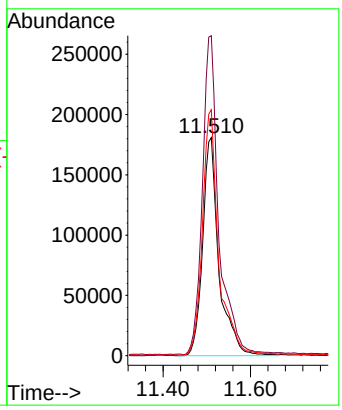




#35
Caprolactam
Concen: 48.850 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:113 Resp: 46907

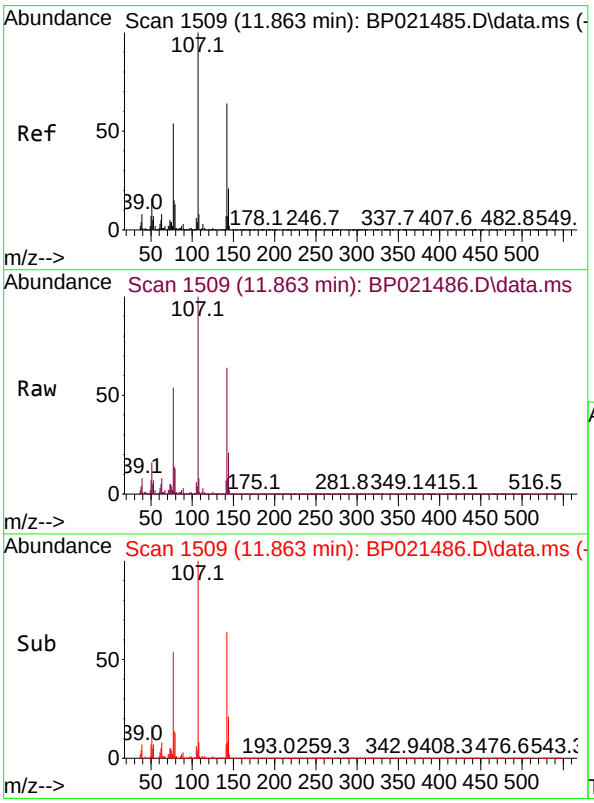
Ion	Ratio	Lower	Upper
113	100		
55	146.7	130.6	170.6
56	112.8	94.6	134.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

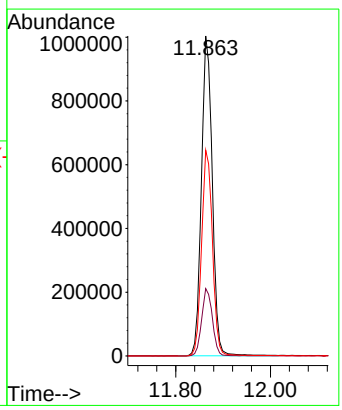
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

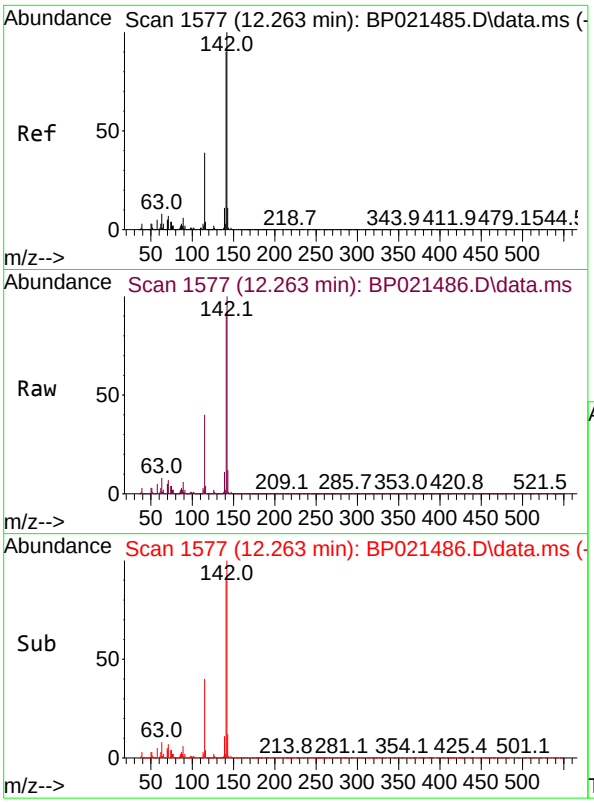


#36
4-Chloro-3-methylphenol
Concen: 50.008 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:107 Resp: 1600490

Ion	Ratio	Lower	Upper
107	100		
144	21.0	16.6	24.8
142	64.3	51.0	76.4

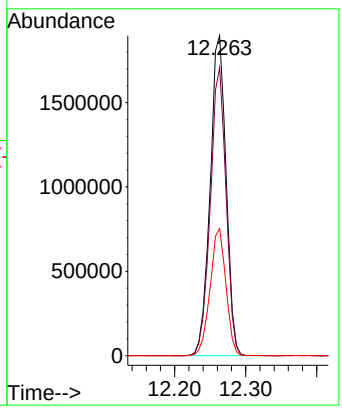




#37
2-Methylnaphthalene
Concen: 47.872 ng
RT: 12.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:142 Resp: 295067

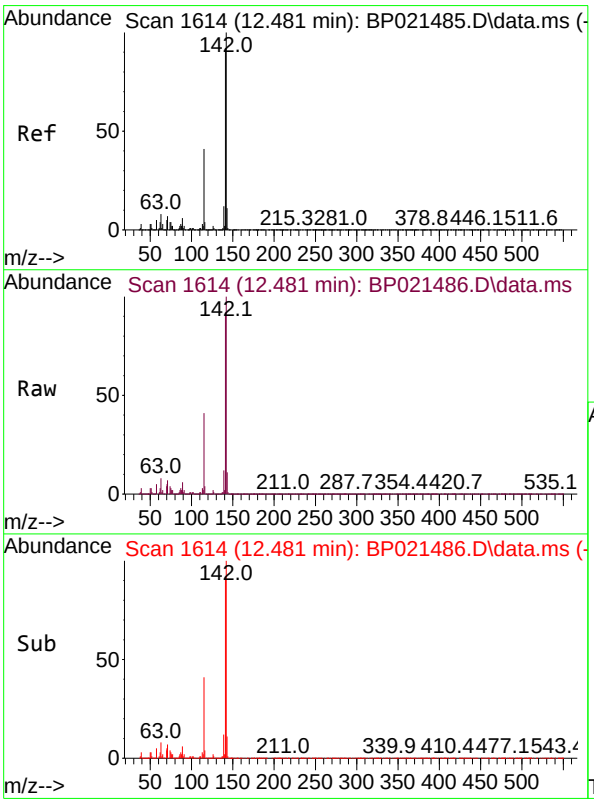
Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.7	107.5
115	39.7	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

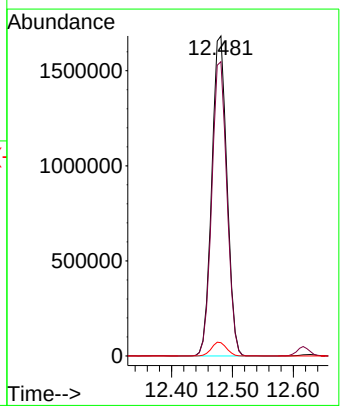
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

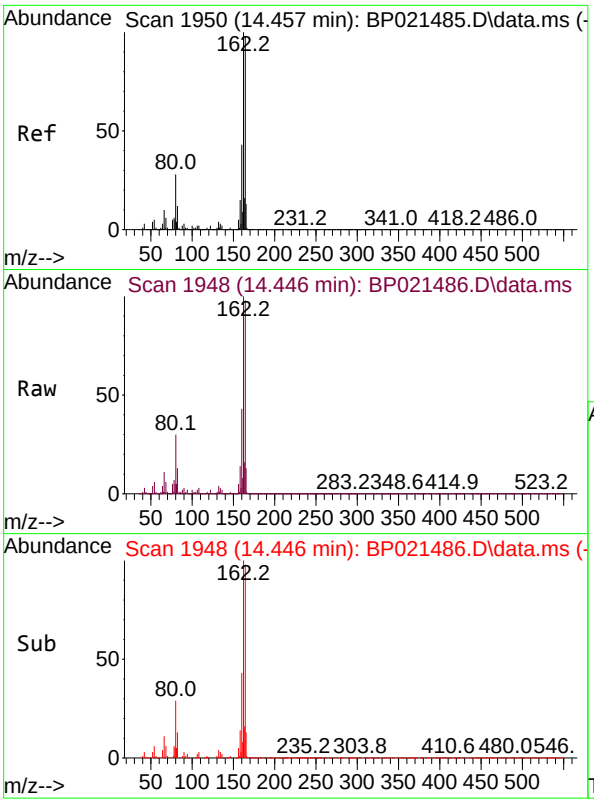


#38
1-Methylnaphthalene
Concen: 47.838 ng
RT: 12.481 min Scan# 1614
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:142 Resp: 2908087

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.5	110.3
116	4.2	3.4	5.2

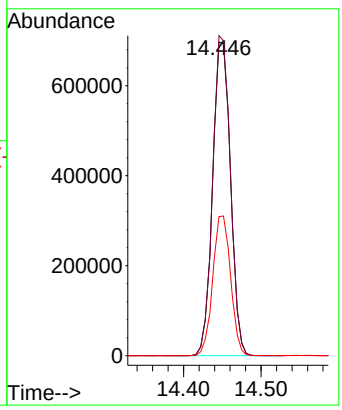




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:164 Resp: 111920

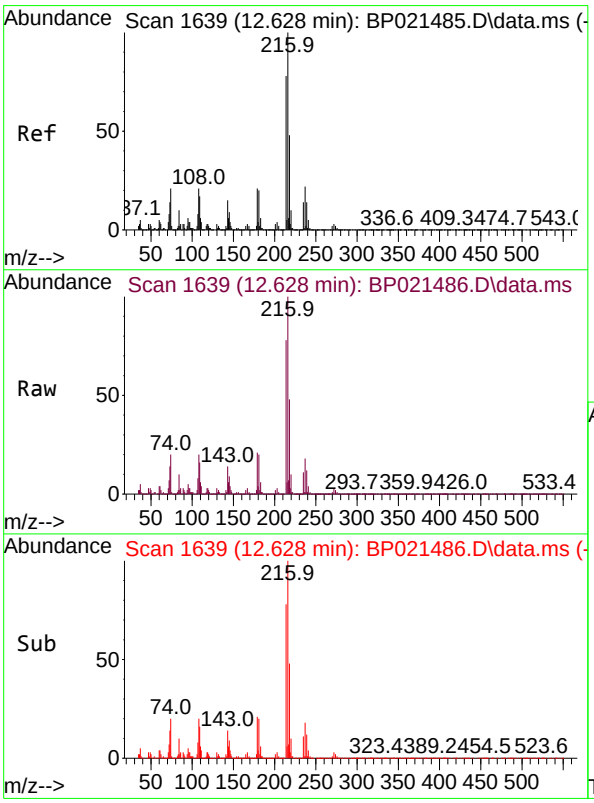
Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.5	122.3
160	44.3	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

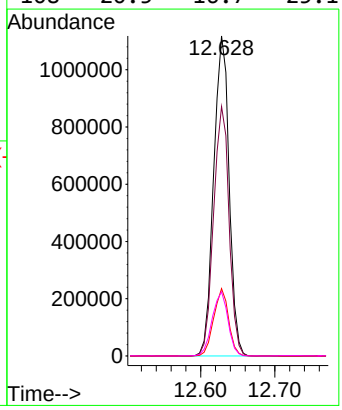
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

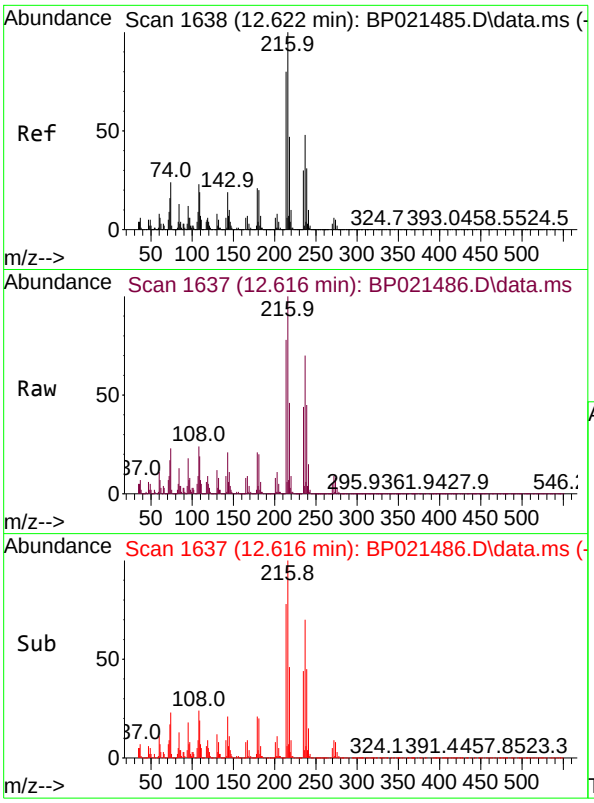


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.332 ng
RT: 12.628 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:216 Resp: 1617735

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.5	93.7
179	20.3	16.4	24.6
108	20.5	16.7	25.1





#41
Hexachlorocyclopentadiene
Concen: 52.560 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

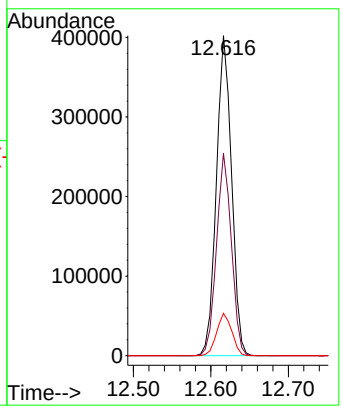
Tgt Ion:237 Resp: 54626

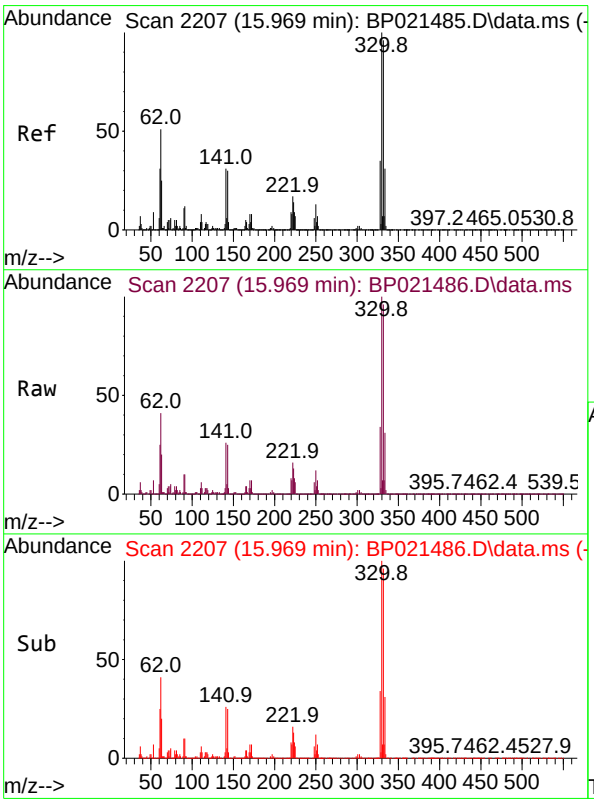
Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.9	83.9
272	13.2	0.0	33.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

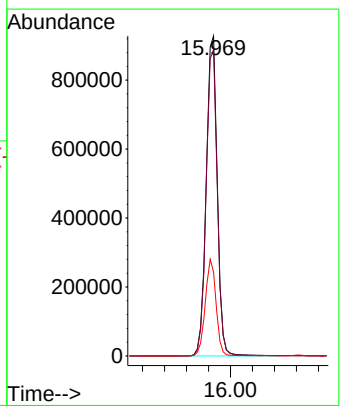


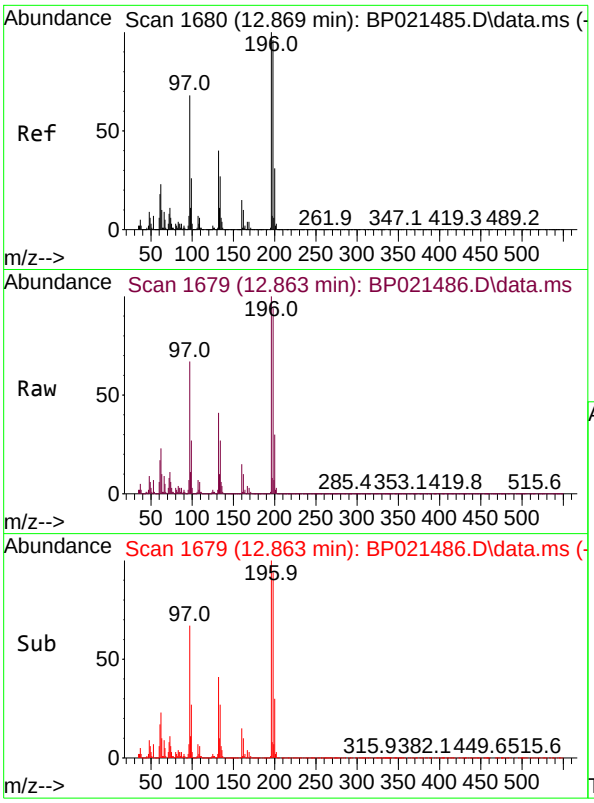


#42
2,4,6-Tribromophenol
Concen: 103.974 ng
RT: 15.969 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:330 Resp: 1295133

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.0
141	29.8	24.5	36.7

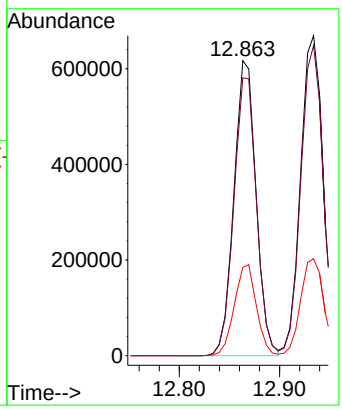




#43
2,4,6-Trichlorophenol
Concen: 52.124 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:196 Resp: 94948

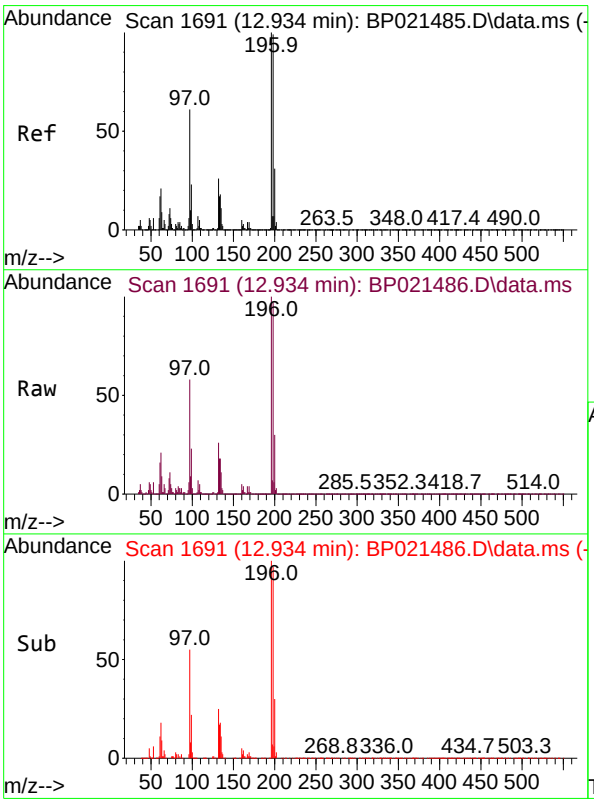
Ion	Ratio	Lower	Upper
196	100		
198	94.2	76.6	114.8
200	30.0	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

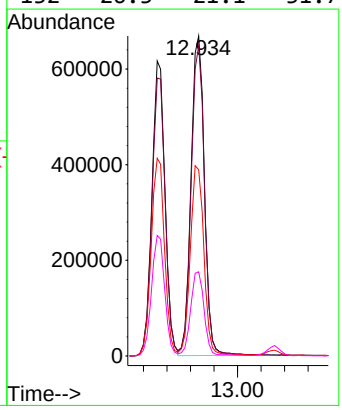
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

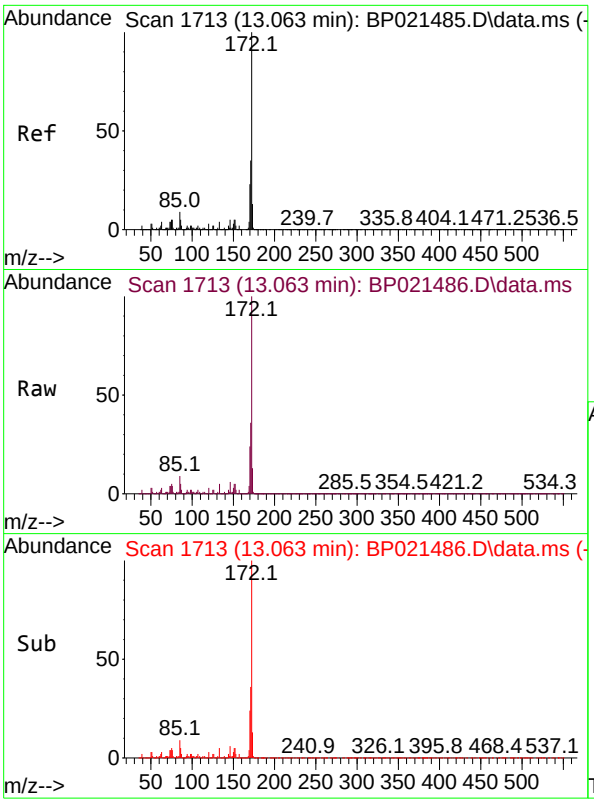


#44
2,4,5-Trichlorophenol
Concen: 52.191 ng
RT: 12.934 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:196 Resp: 1056277

Ion	Ratio	Lower	Upper
196	100		
198	97.0	78.9	118.3
97	58.2	49.4	74.0
132	26.3	21.1	31.7

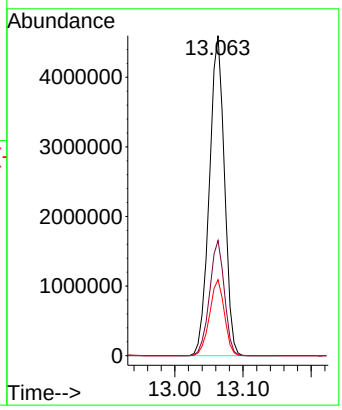




#45
2-Fluorobiphenyl
Concen: 96.455 ng
RT: 13.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:172 Resp: 707351

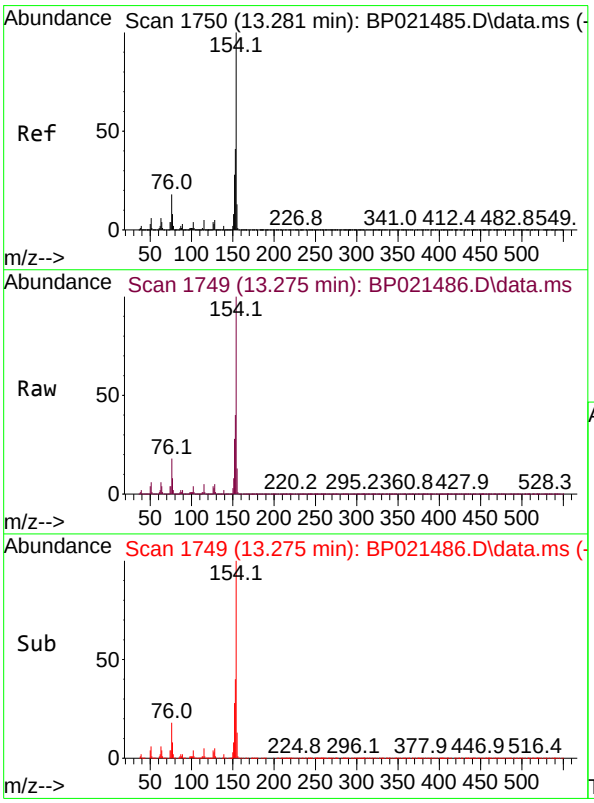
Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.2	42.4
170	23.8	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

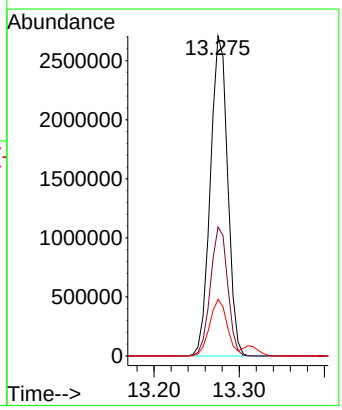
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

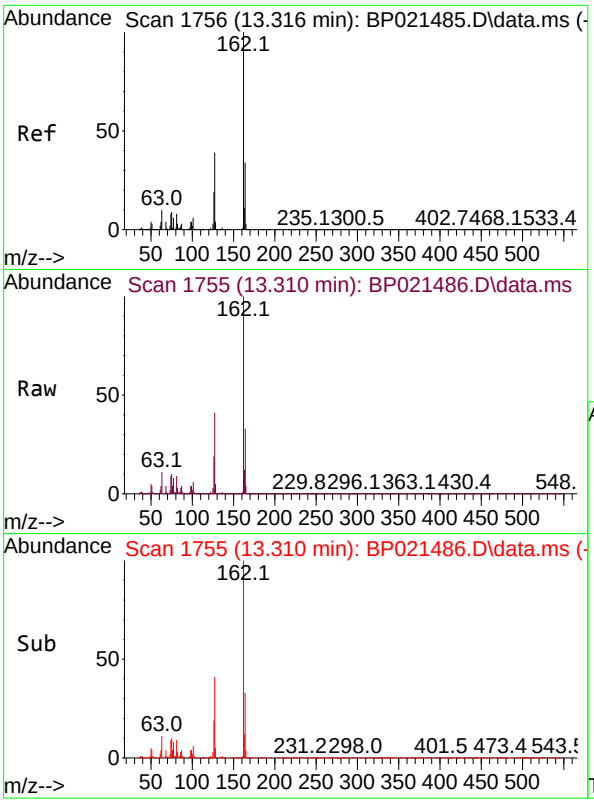


#46
1,1'-Biphenyl
Concen: 48.139 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:154 Resp: 3811862

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.7	60.7
76	17.6	0.0	37.7

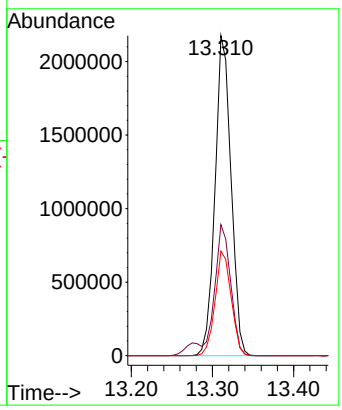




#47
2-Chloronaphthalene
Concen: 48.332 ng
RT: 13.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:162 Resp: 297955

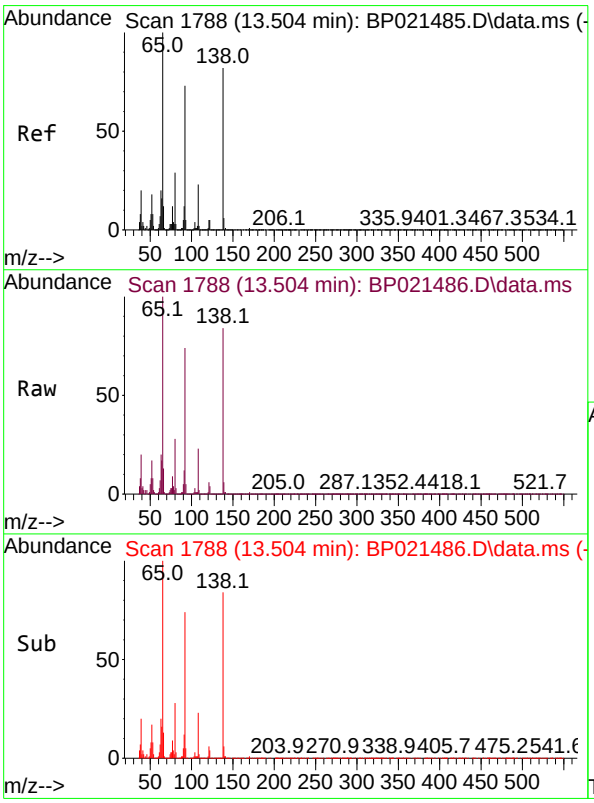
Ion	Ratio	Lower	Upper
162	100		
127	40.9	31.9	47.9
164	32.7	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

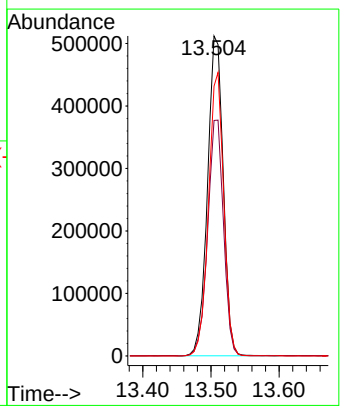
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

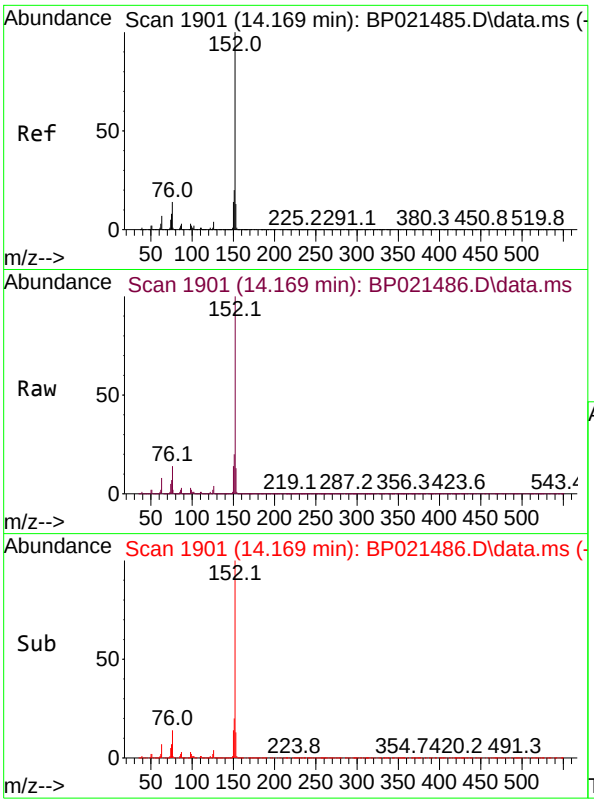


#48
2-Nitroaniline
Concen: 47.603 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 65 Resp: 821676

Ion	Ratio	Lower	Upper
65	100		
92	73.6	58.1	87.1
138	84.3	65.5	98.3





#49
Acenaphthylene
Concen: 48.190 ng
RT: 14.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

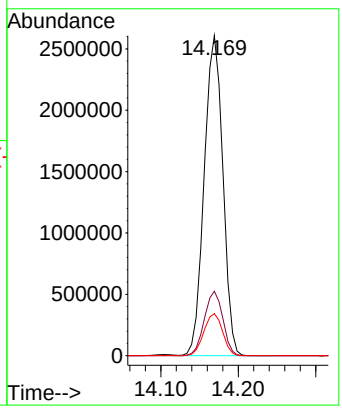
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

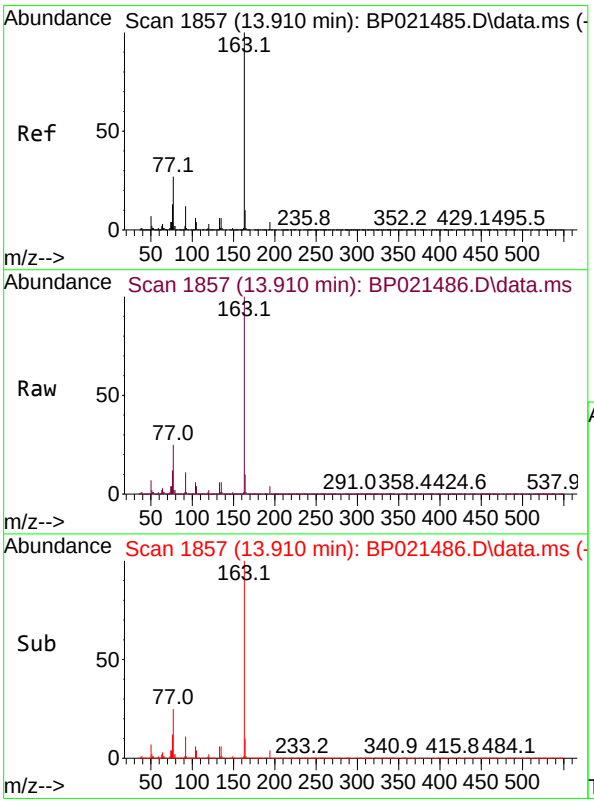
Tgt Ion:152 Resp: 436722

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.2	10.6	16.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

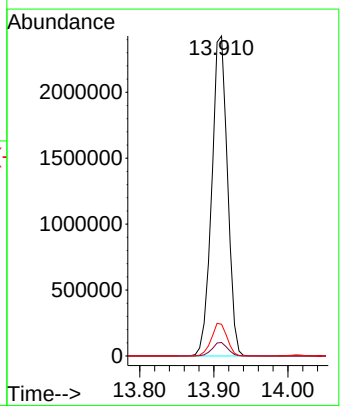


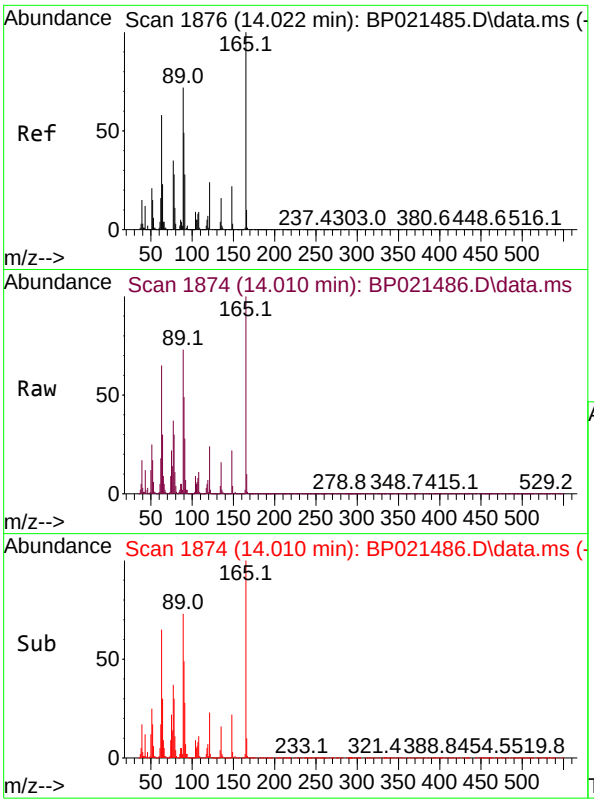


#50
Dimethylphthalate
Concen: 47.620 ng
RT: 13.910 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:163 Resp: 3569162

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	9.9	8.3	12.5

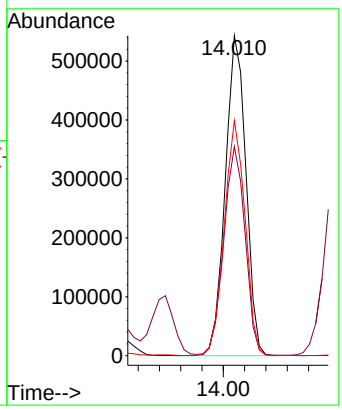




#51
2,6-Dinitrotoluene
Concen: 48.330 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:165 Resp: 73126

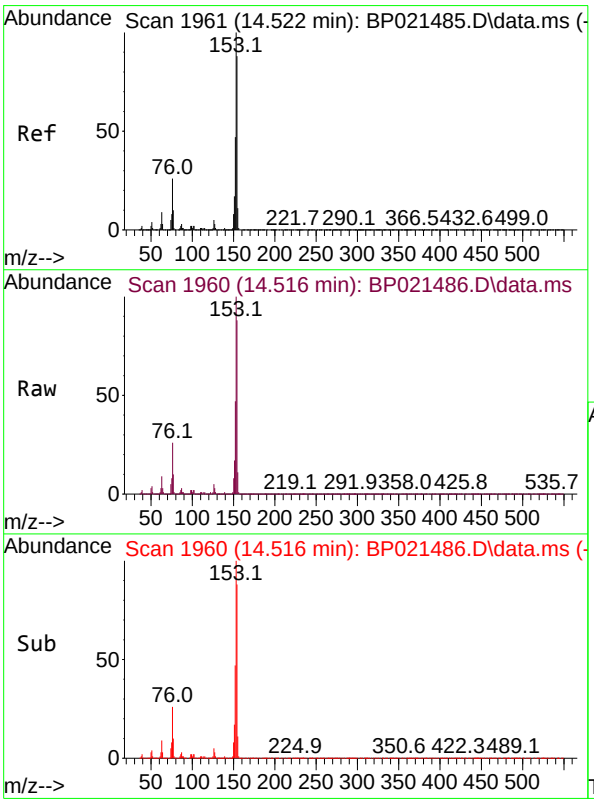
Ion	Ratio	Lower	Upper
165	100		
63	65.3	51.5	77.3
89	73.4	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

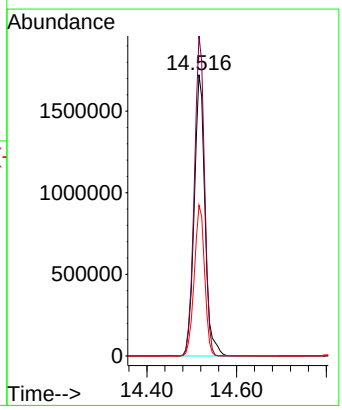
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

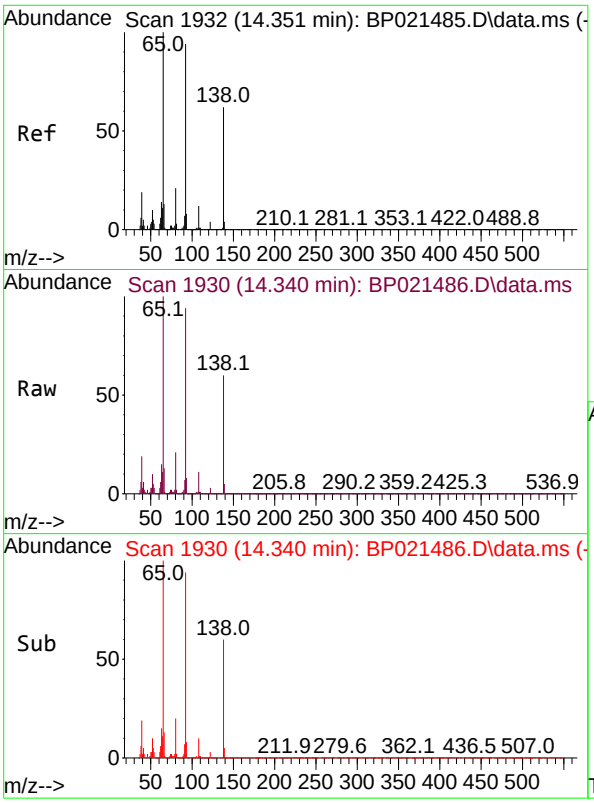


#52
Acenaphthene
Concen: 48.126 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:154 Resp: 2861701

Ion	Ratio	Lower	Upper
154	100		
153	113.8	91.1	136.7
152	53.6	43.0	64.4

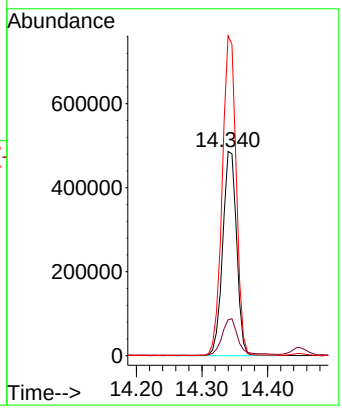




#53
3-Nitroaniline
Concen: 47.788 ng
RT: 14.340 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:138 Resp: 71010

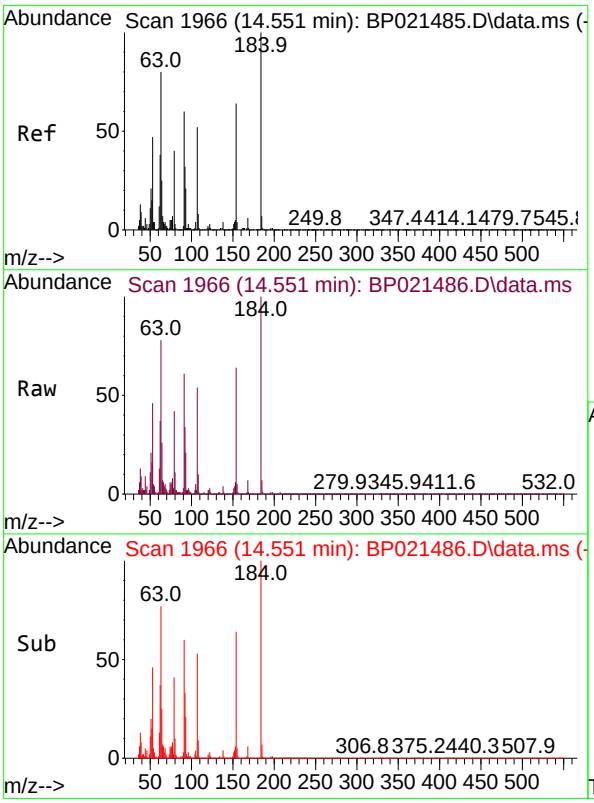
Ion	Ratio	Lower	Upper
138	100		
108	17.7	16.2	24.4
92	156.7	122.2	183.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

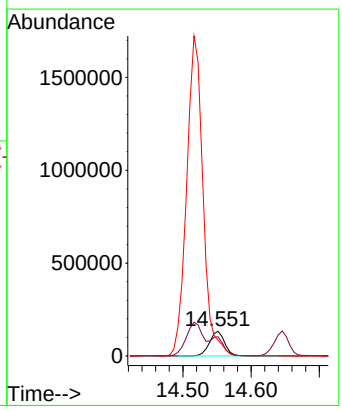
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

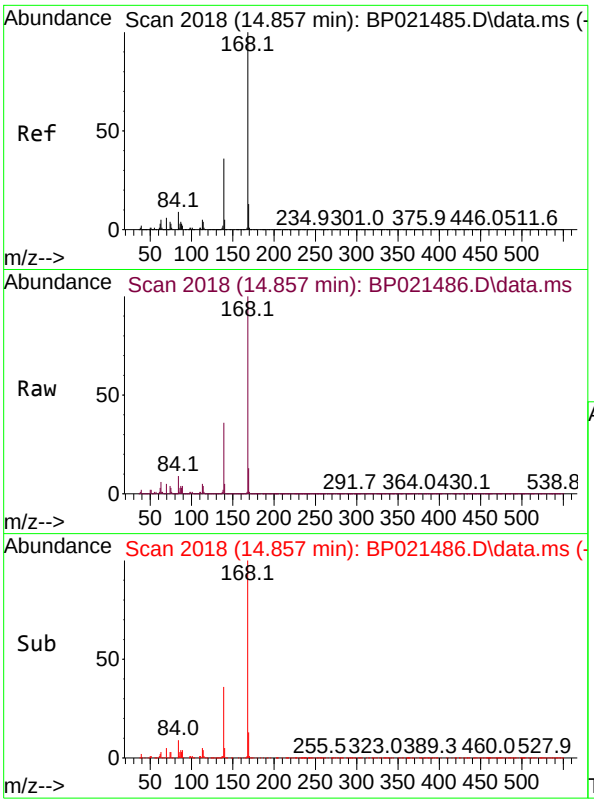


#54
2,4-Dinitrophenol
Concen: 49.369 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:184 Resp: 205628

Ion	Ratio	Lower	Upper
184	100		
63	77.6	64.9	97.3
154	64.3	52.1	78.1

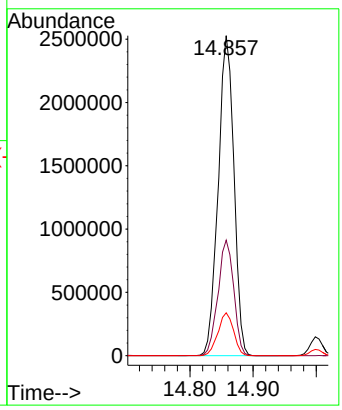




#55
Dibenzofuran
Concen: 47.811 ng
RT: 14.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:168 Resp: 437340

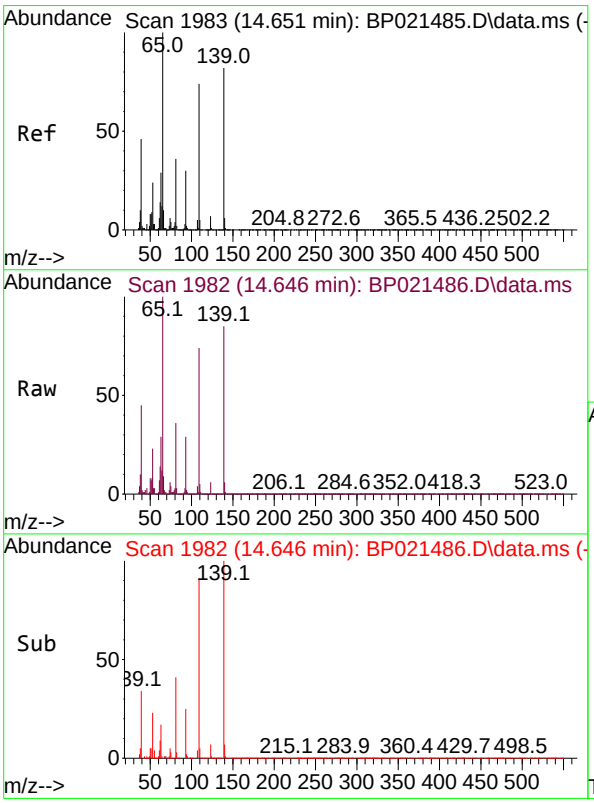
Ion	Ratio	Lower	Upper
168	100		
139	36.1	28.6	43.0
169	13.4	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

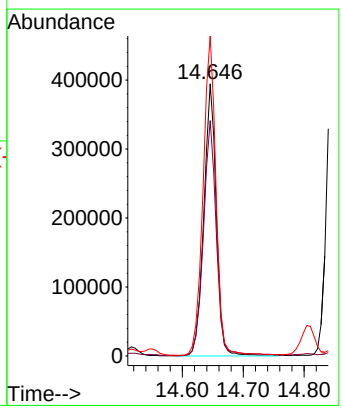
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

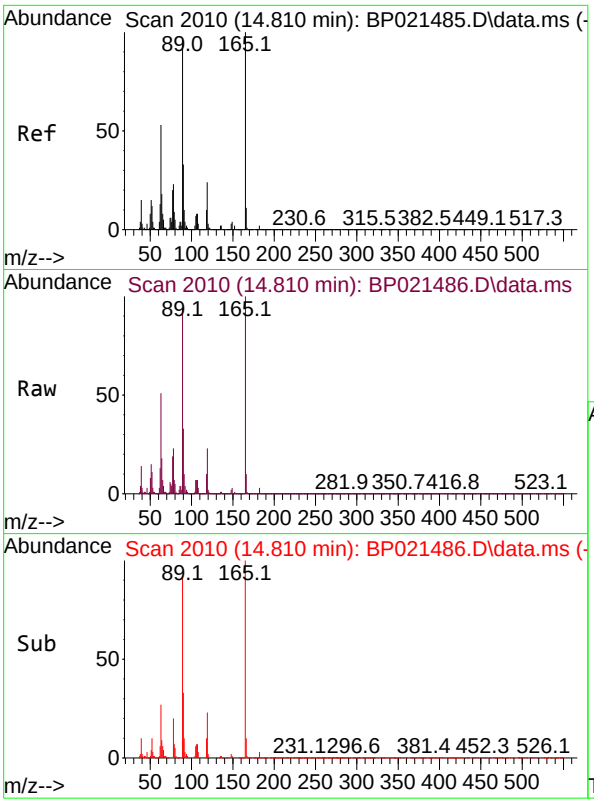


#56
4-Nitrophenol
Concen: 47.429 ng
RT: 14.646 min Scan# 1982
Delta R.T. -0.005 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:139 Resp: 562138

Ion	Ratio	Lower	Upper
139	100		
109	86.5	70.2	110.2
65	117.6	101.8	141.8

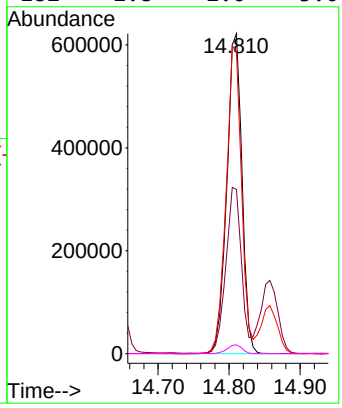




#57
2,4-Dinitrotoluene
Concen: 47.777 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:165 Resp: 91837

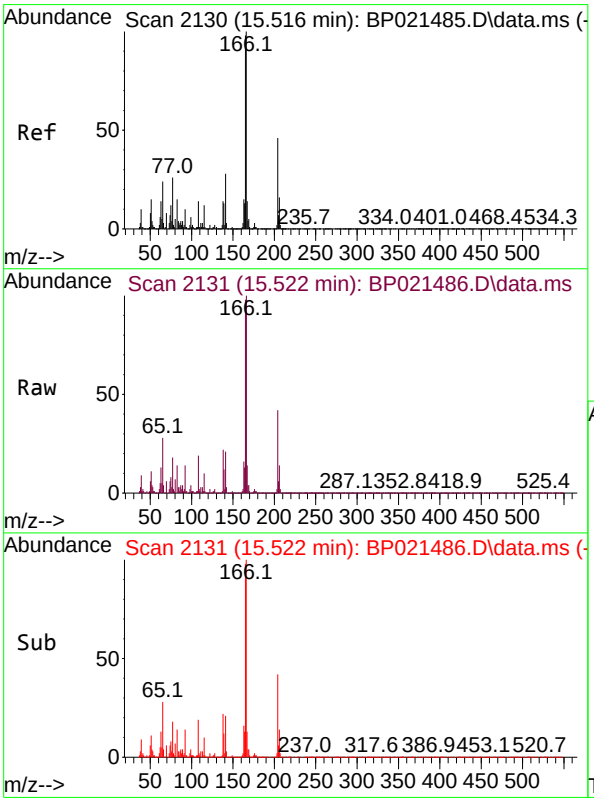
Ion	Ratio	Lower	Upper
165	100		
63	51.3	42.5	63.7
89	94.4	77.1	115.7
182	2.8	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

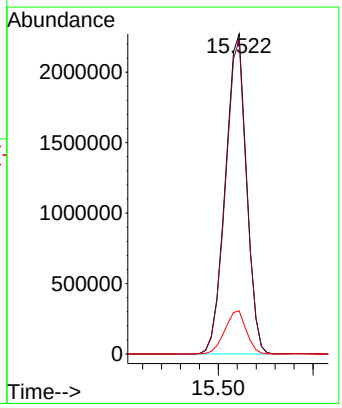
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

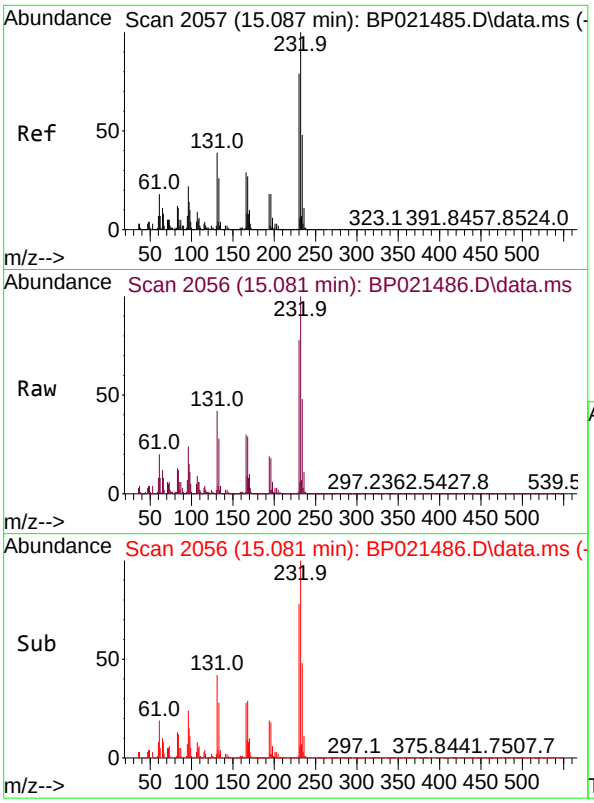


#58
Fluorene
Concen: 46.908 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:166 Resp: 3525015

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.1	117.1
167	13.5	11.0	16.4

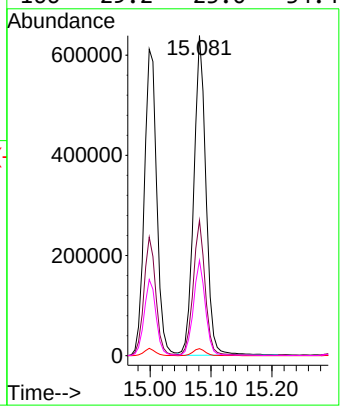




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.558 ng
RT: 15.081 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:232 Resp: 88568

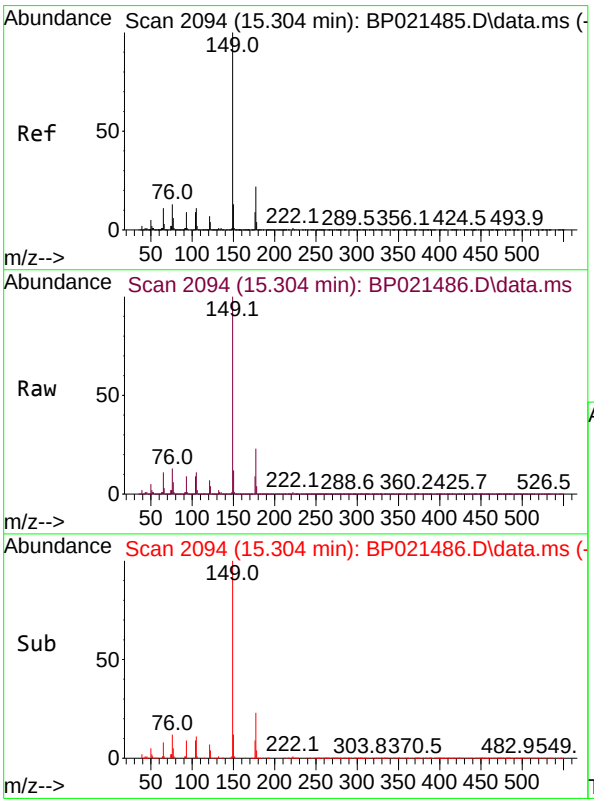
Ion	Ratio	Lower	Upper
232	100		
131	41.1	33.1	49.7
130	2.3	1.7	2.5
166	29.2	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

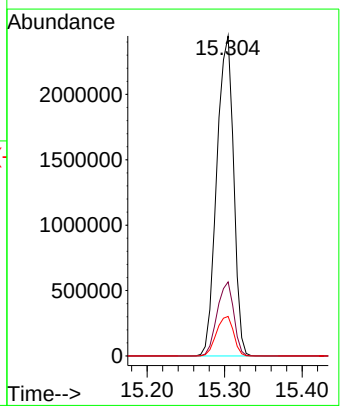
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

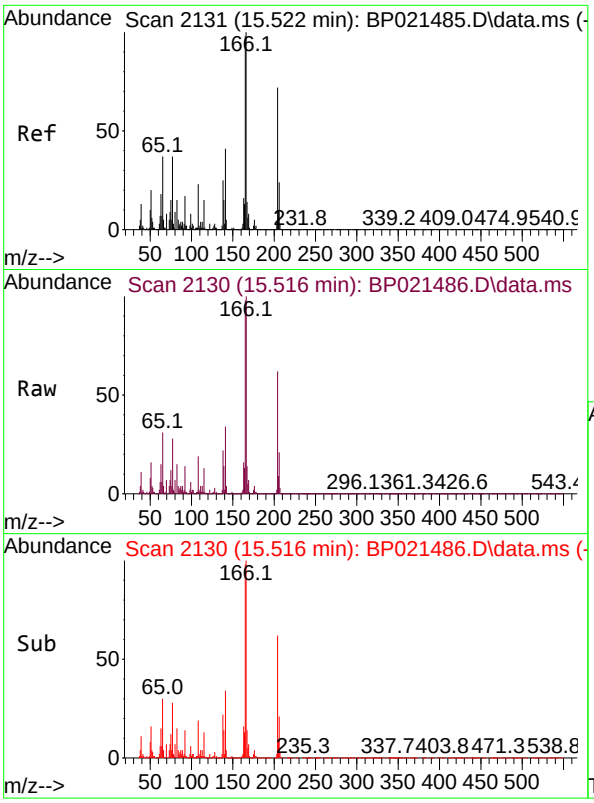


#60
Diethylphthalate
Concen: 47.945 ng
RT: 15.304 min Scan# 2094
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:149 Resp: 3687157

Ion	Ratio	Lower	Upper
149	100		
177	23.2	17.8	26.8
150	12.4	10.1	15.1

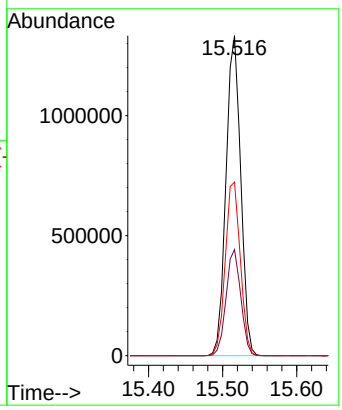




#61
4-Chlorophenyl-phenylether
Concen: 47.272 ng
RT: 15.516 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:204 Resp: 183623

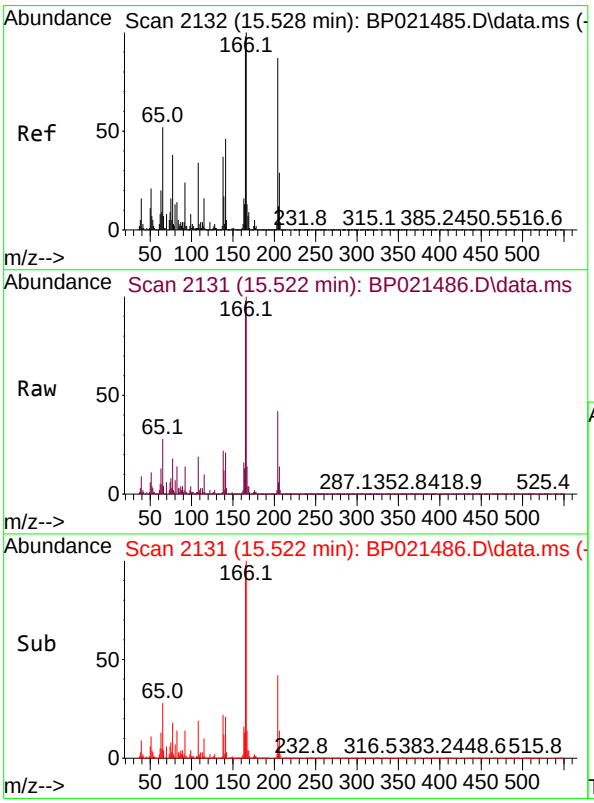
Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.4	39.6
141	54.3	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

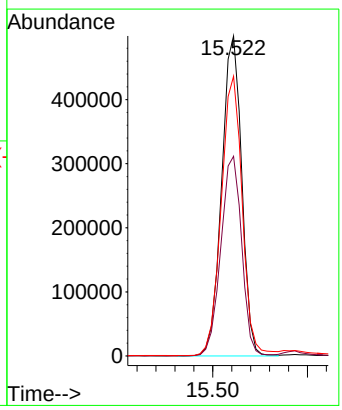
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

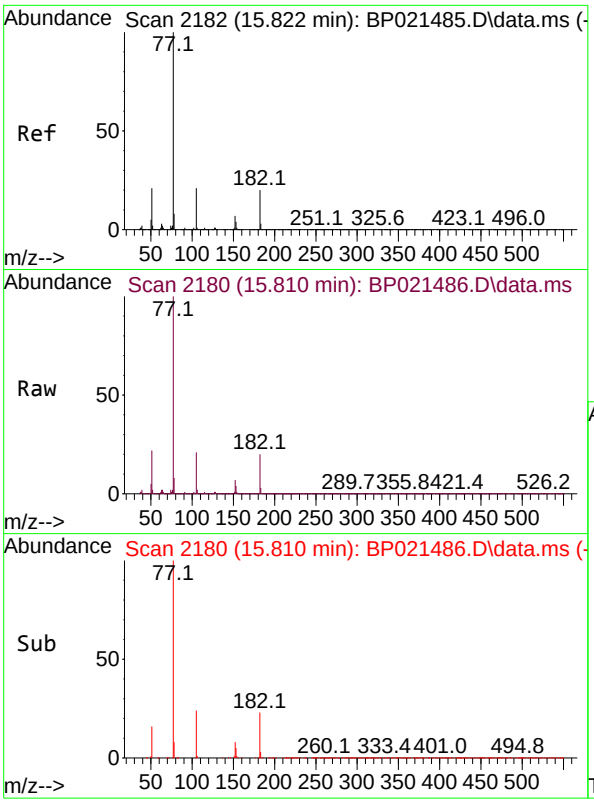


#62
4-Nitroaniline
Concen: 47.987 ng
RT: 15.522 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:138 Resp: 733231

Ion	Ratio	Lower	Upper
138	100		
92	62.4	46.4	86.4
108	87.4	73.2	113.2

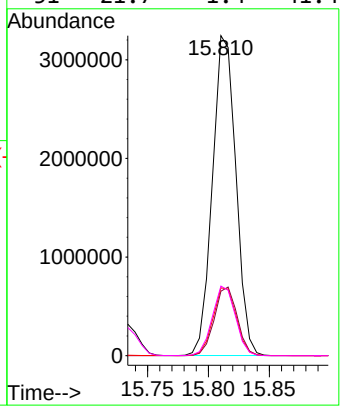




#63
Azobenzene
Concen: 46.014 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 77 Resp: 434986

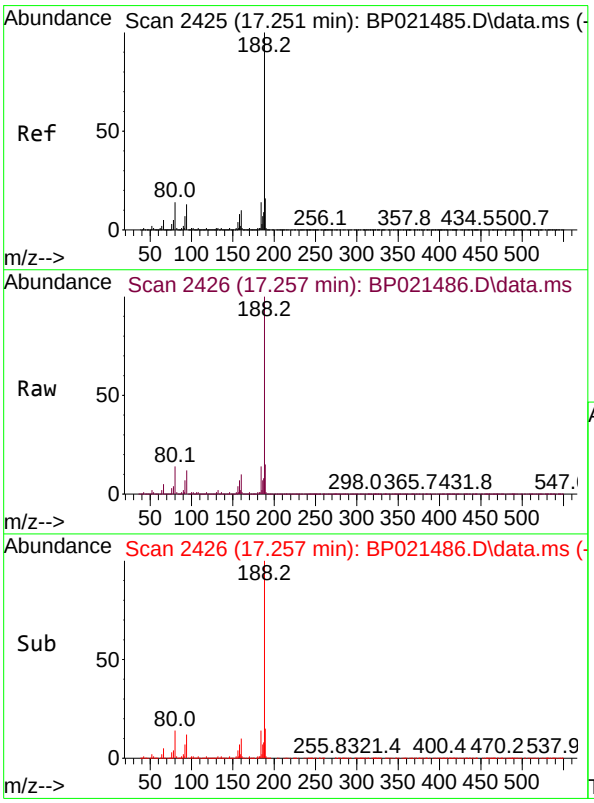
Ion	Ratio	Lower	Upper
77	100		
182	20.1	0.0	39.9
105	21.2	0.9	40.9
51	21.7	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

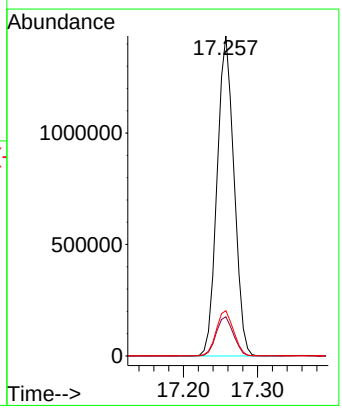
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

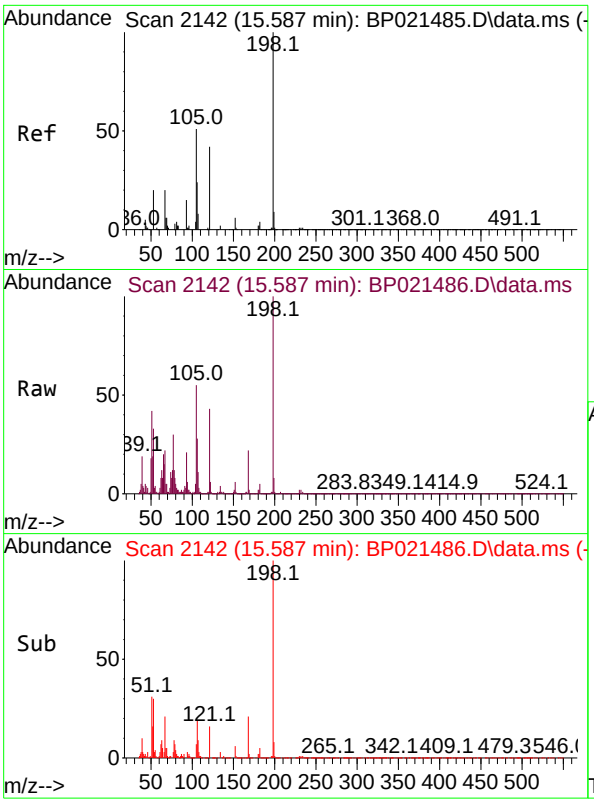


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:188 Resp: 2278560

Ion	Ratio	Lower	Upper
188	100		
94	12.2	10.2	15.4
80	14.1	11.6	17.4

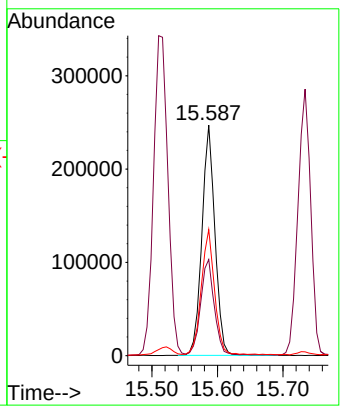




#65
4,6-Dinitro-2-methylphenol
Concen: 49.749 ng
RT: 15.587 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:198 Resp: 34205

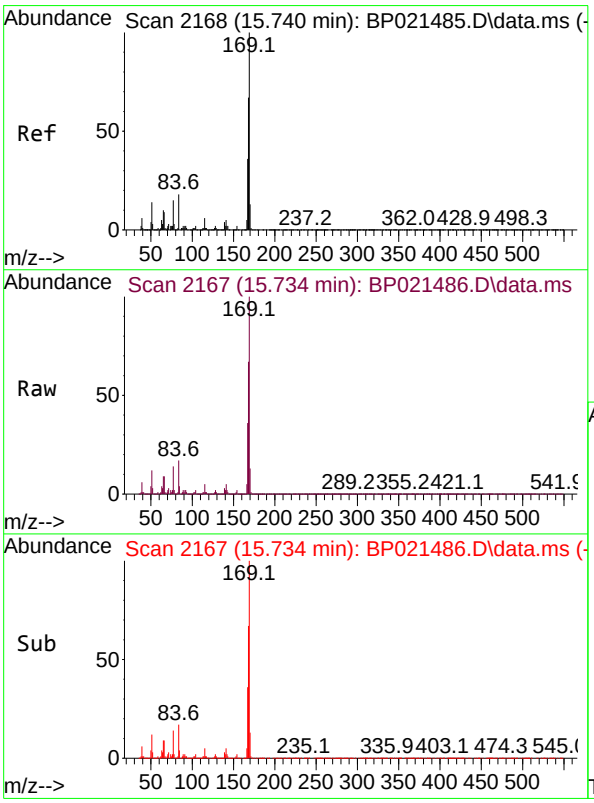
Ion	Ratio	Lower	Upper
198	100		
51	41.7	21.5	61.5
105	54.7	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

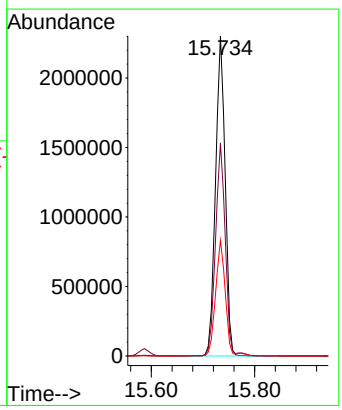
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

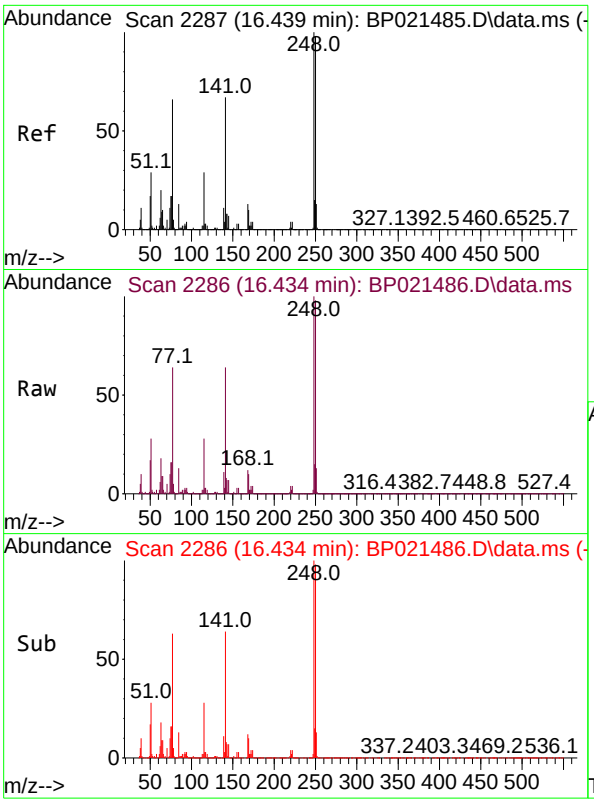


#66
n-Nitrosodiphenylamine
Concen: 48.807 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:169 Resp: 2980276

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.4	80.2
167	36.1	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 49.707 ng
RT: 16.434 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

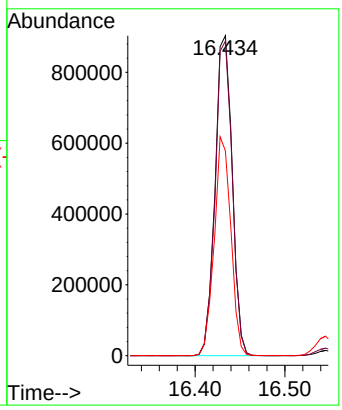
Tgt Ion:248 Resp: 119868

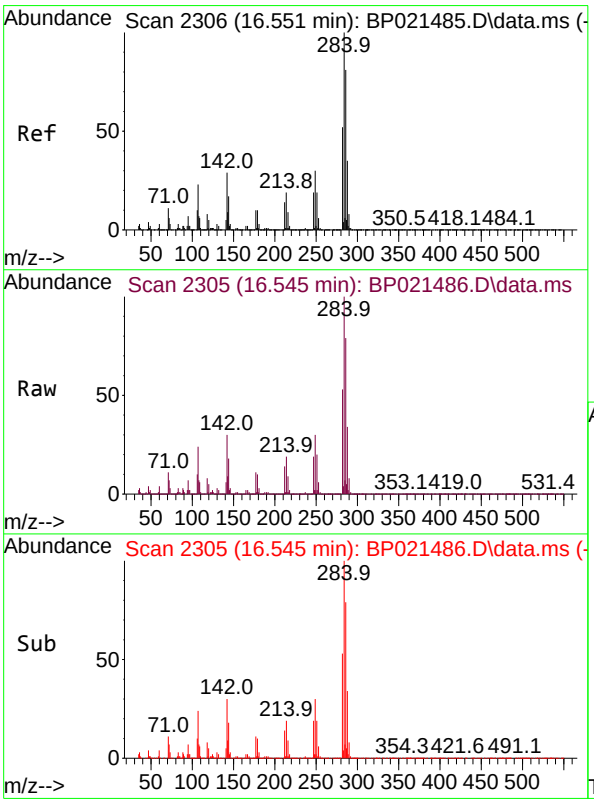
Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.6	117.8
141	64.0	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

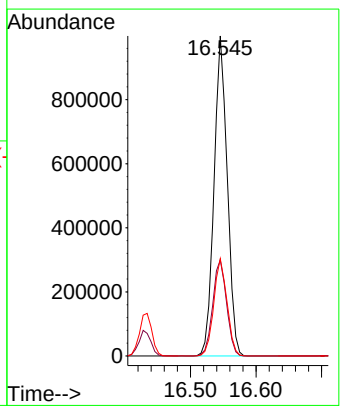


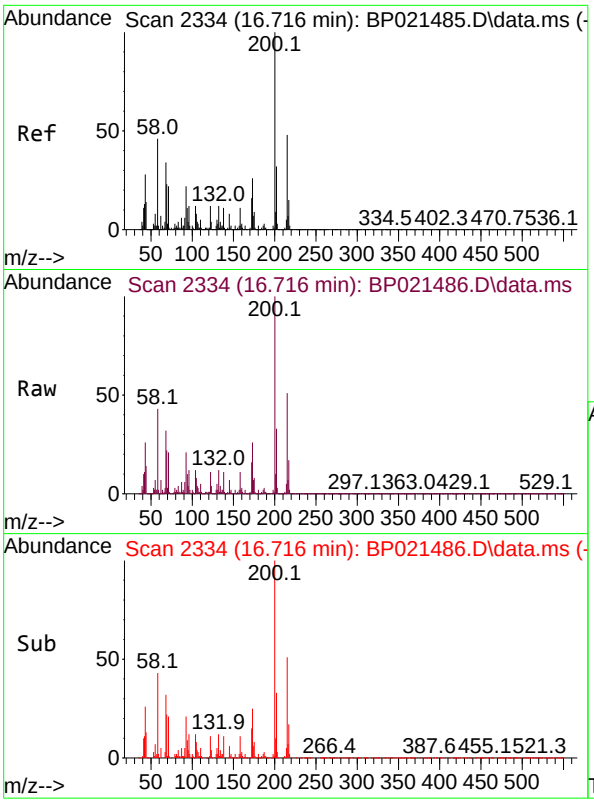


#68
Hexachlorobenzene
Concen: 48.961 ng
RT: 16.545 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:284 Resp: 1395323

Ion	Ratio	Lower	Upper
284	100		
142	30.0	23.4	35.2
249	30.4	24.1	36.1





#69
Atrazine
Concen: 48.608 ng
RT: 16.716 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

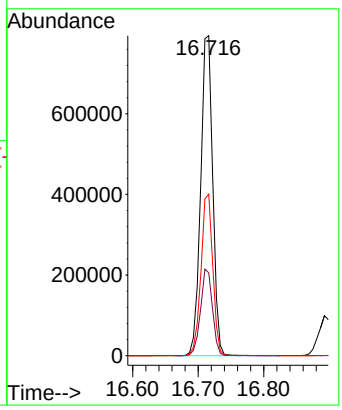
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

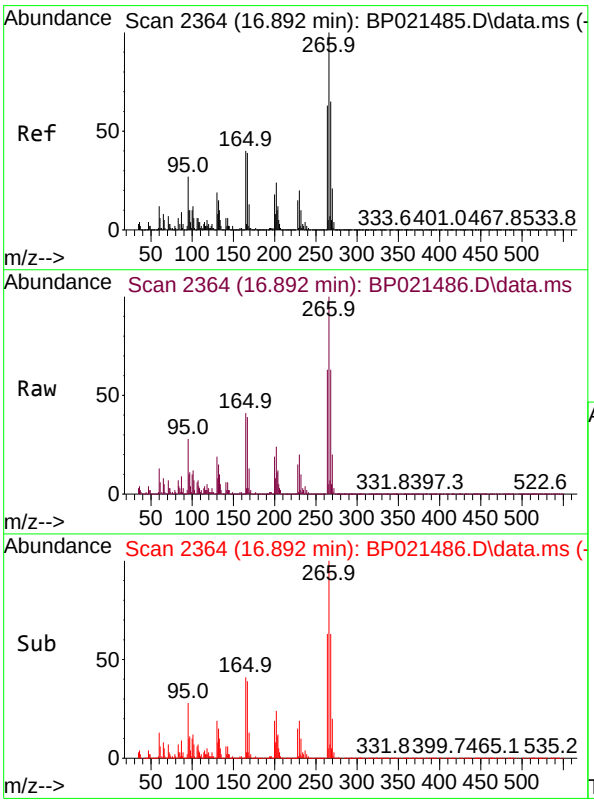
Tgt Ion:200 Resp: 101905

Ion	Ratio	Lower	Upper
200	100		
173	25.9	6.2	46.2
215	50.5	28.4	68.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

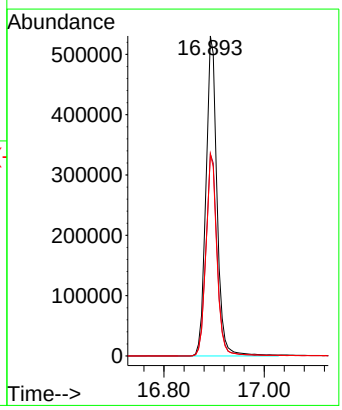


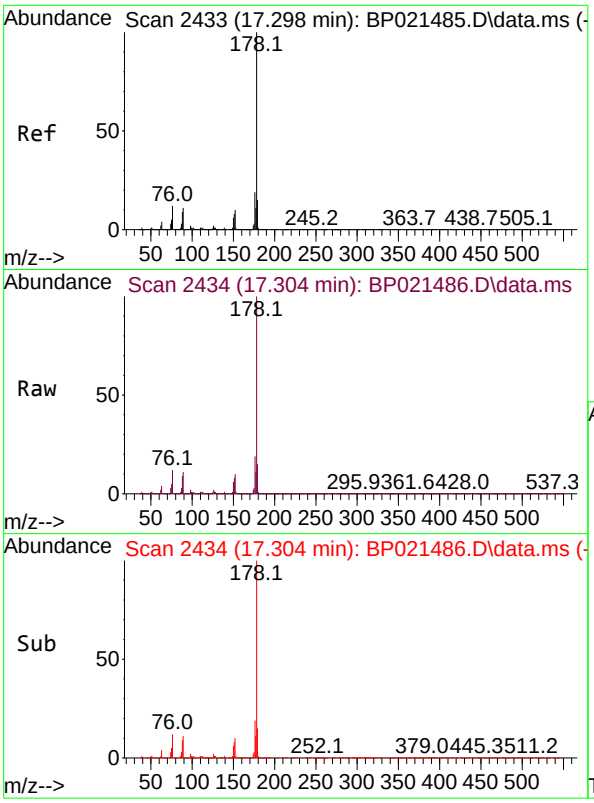


#70
Pentachlorophenol
Concen: 52.206 ng
RT: 16.892 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:266 Resp: 812046

Ion	Ratio	Lower	Upper
266	100		
268	63.1	51.8	77.6
264	63.1	50.5	75.7

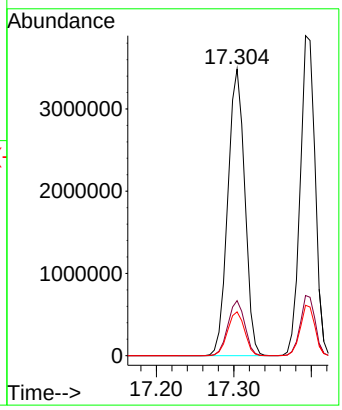




#71
Phenanthrene
Concen: 48.447 ng
RT: 17.304 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:178 Resp: 530889

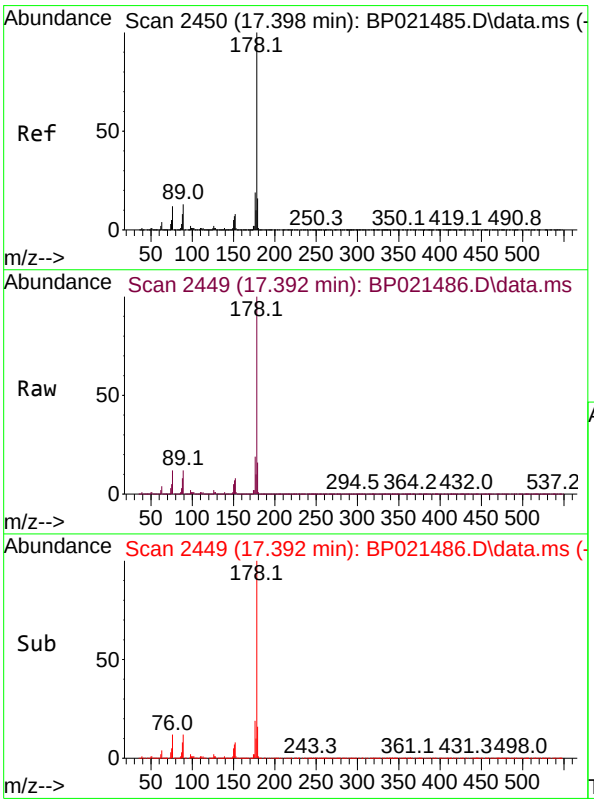
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.3	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

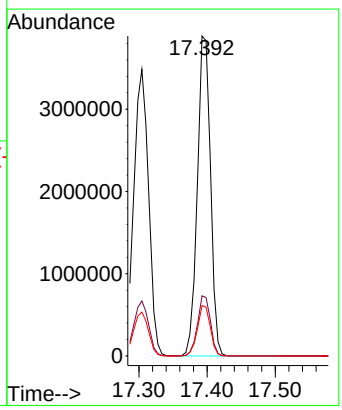
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

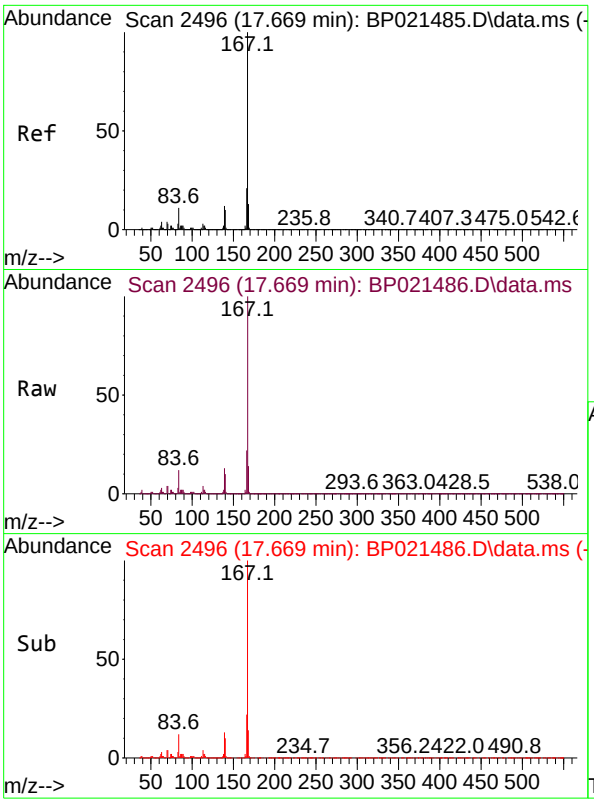


#72
Anthracene
Concen: 48.503 ng
RT: 17.392 min Scan# 2449
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:178 Resp: 5212543

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.8	12.5	18.7





#73
Carbazole
Concen: 48.027 ng
RT: 17.669 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

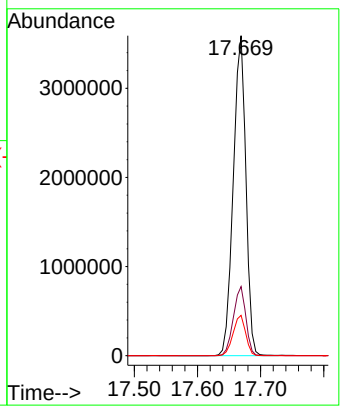
Tgt Ion:167 Resp: 497416

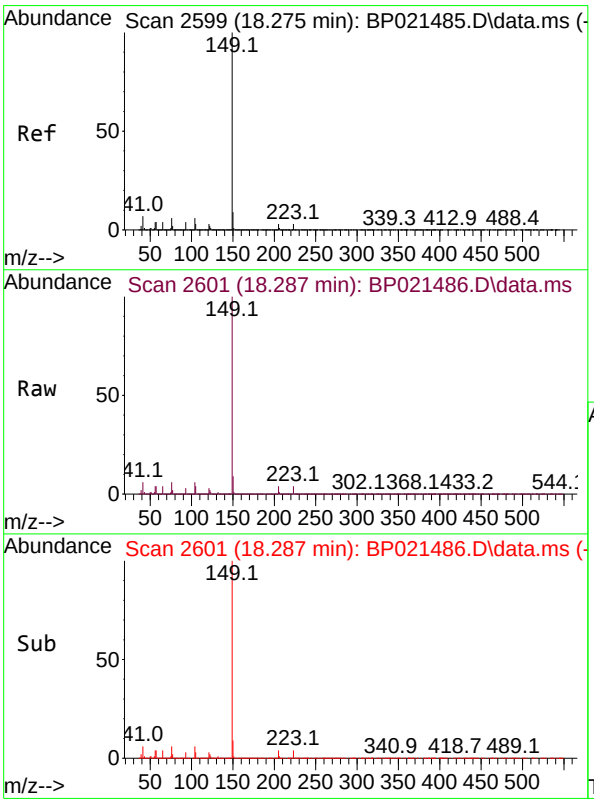
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.4
139	12.6	9.9	14.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

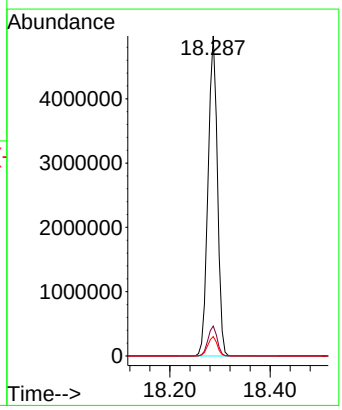


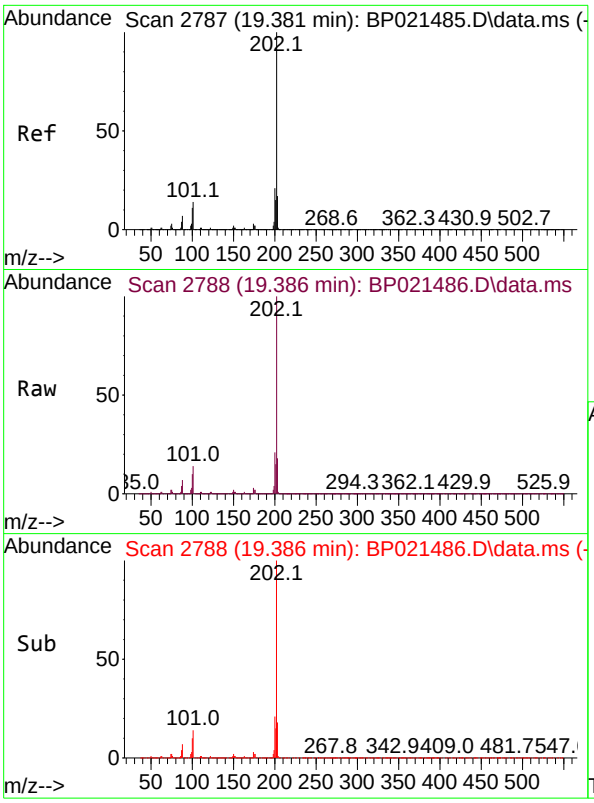


#74
Di-n-butylphthalate
Concen: 50.745 ng
RT: 18.287 min Scan# 2601
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:149 Resp: 6454560

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	6.0	4.9	7.3





#75
Fluoranthene
Concen: 48.166 ng
RT: 19.386 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

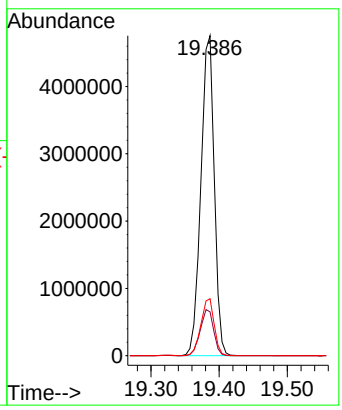
Tgt Ion:202 Resp: 647613

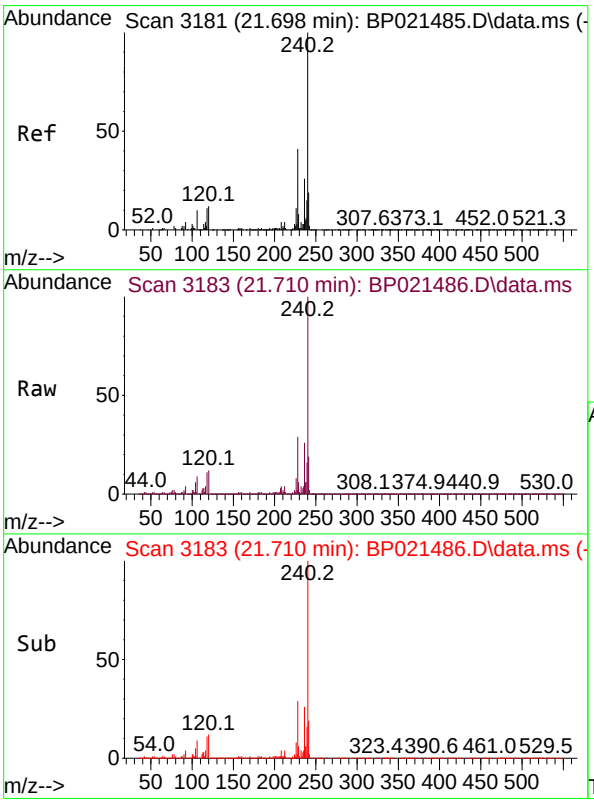
Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	34.0
203	17.8	0.0	37.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

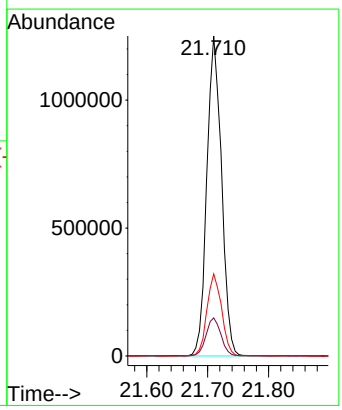


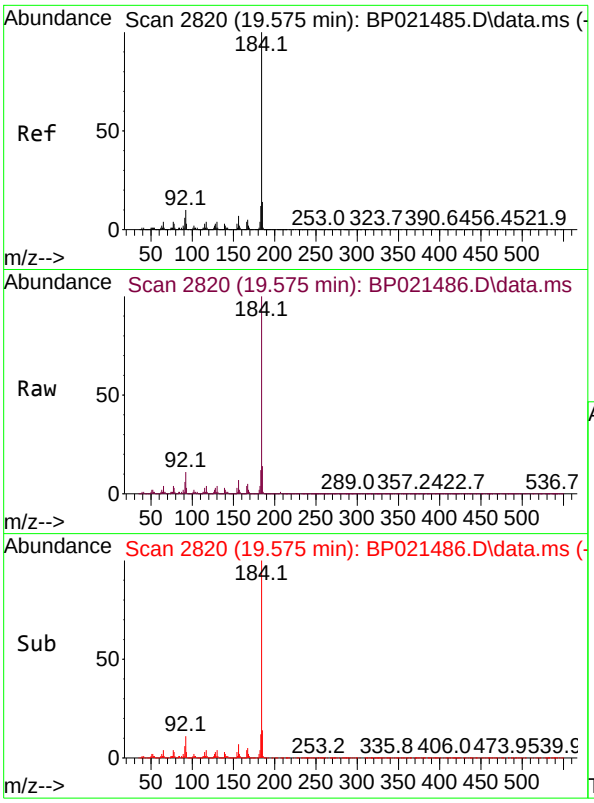


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.710 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:240 Resp: 2093381

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.9	14.9
236	25.7	20.6	30.8

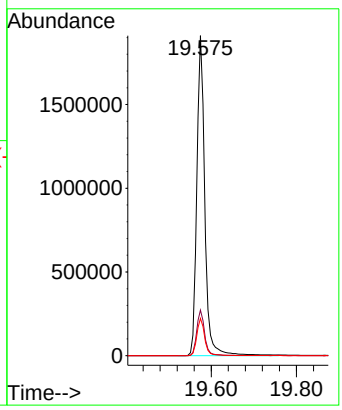




#77
Benzidine
Concen: 52.808 ng
RT: 19.575 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:184 Resp: 249365

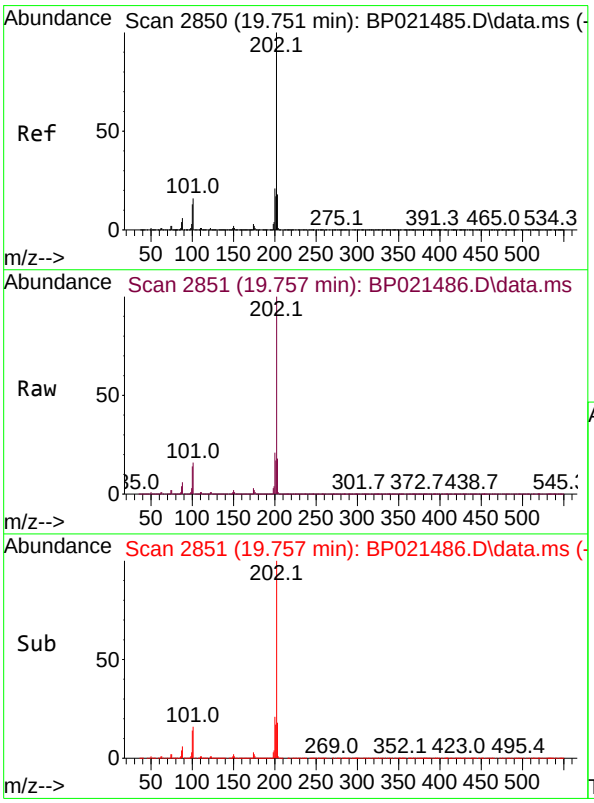
Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.6	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

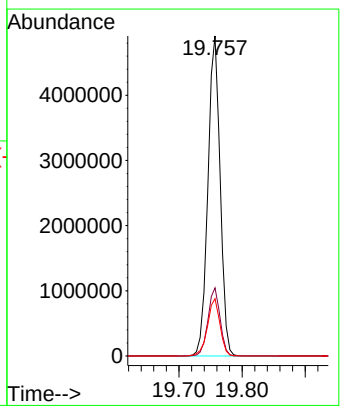
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

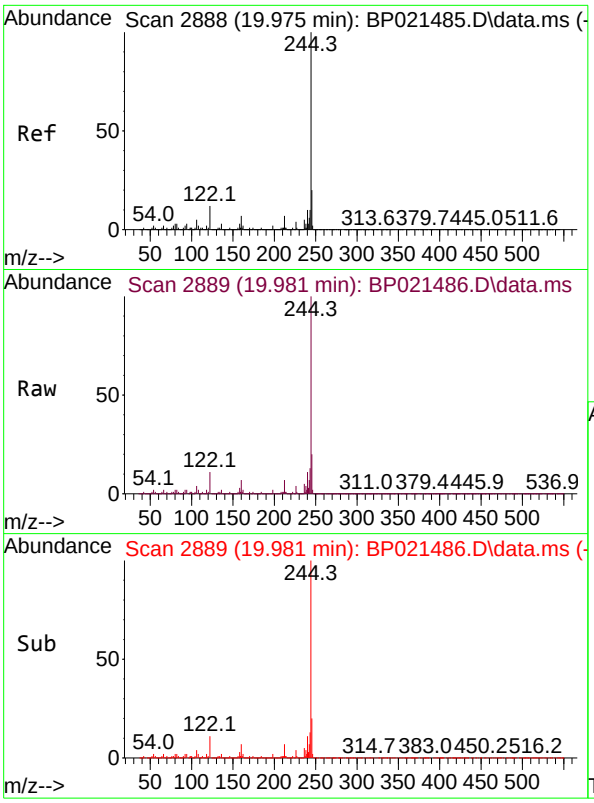


#78
Pyrene
Concen: 48.263 ng
RT: 19.757 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:202 Resp: 6603640

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.9	14.1	21.1





#79
Terphenyl-d14
Concen: 94.554 ng
RT: 19.981 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

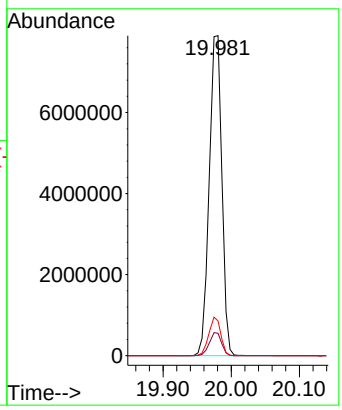
Instrument :
BNA_P
ClientSampleId :
SSTDICC050

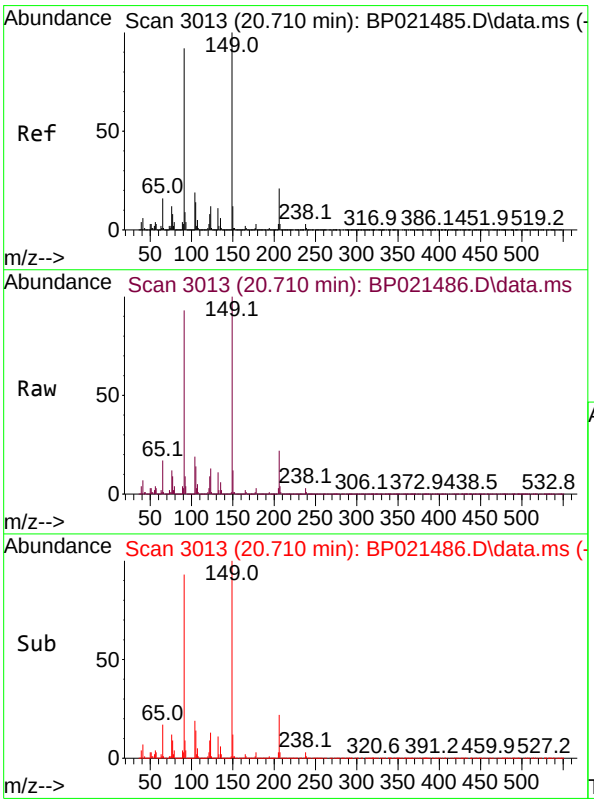
Tgt Ion:244 Resp:1018862

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.8	9.4	14.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

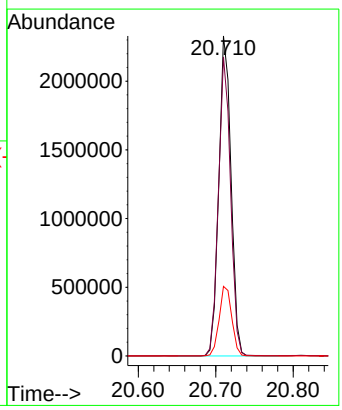


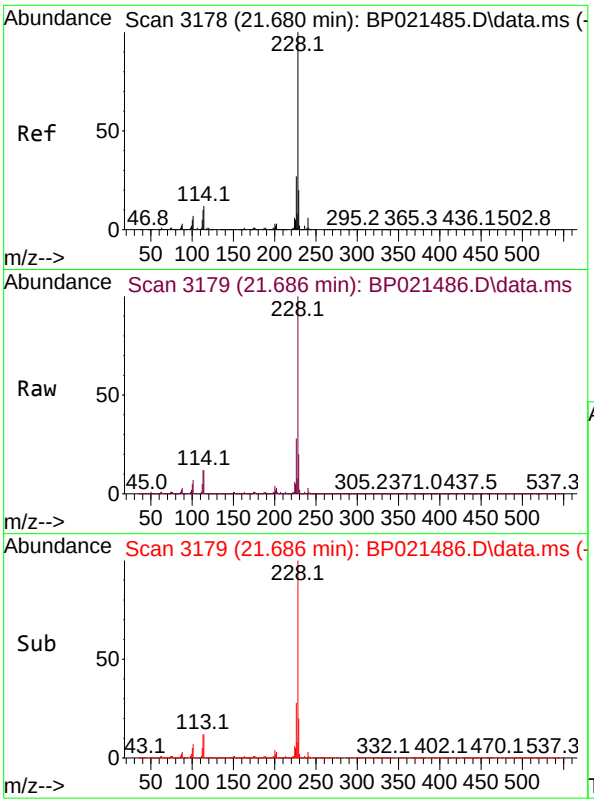


#80
Butylbenzylphthalate
Concen: 49.198 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:149 Resp: 2559896

Ion	Ratio	Lower	Upper
149	100		
91	93.4	73.3	109.9
206	21.8	17.1	25.7

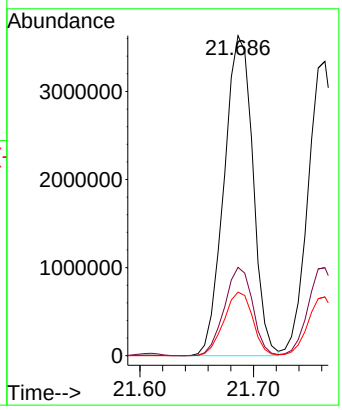




#81
Benzo(a)anthracene
Concen: 48.741 ng
RT: 21.686 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:228 Resp: 640529

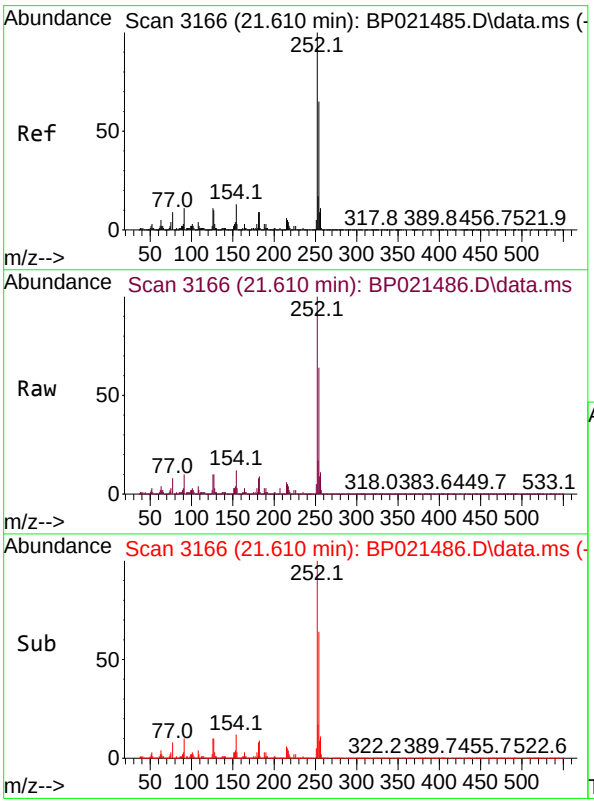
Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.4	32.2
229	19.8	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

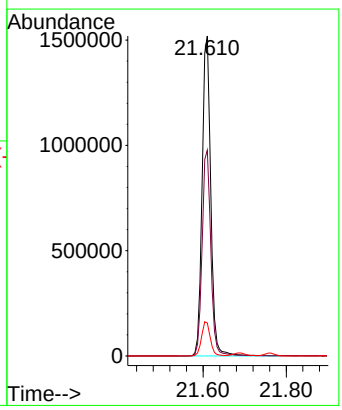
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

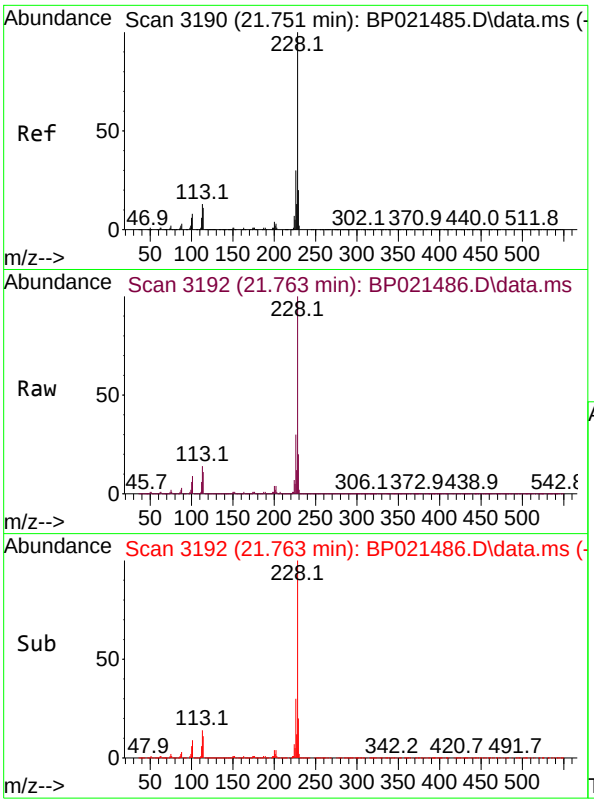


#82
3,3'-Dichlorobenzidine
Concen: 52.013 ng
RT: 21.610 min Scan# 3166
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:252 Resp: 2191535

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.7	77.5
126	10.3	8.7	13.1

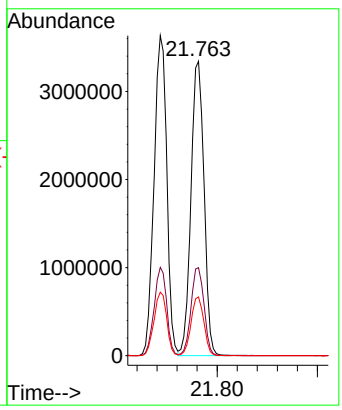




#83
Chrysene
Concen: 48.555 ng
RT: 21.763 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:228 Resp: 602446

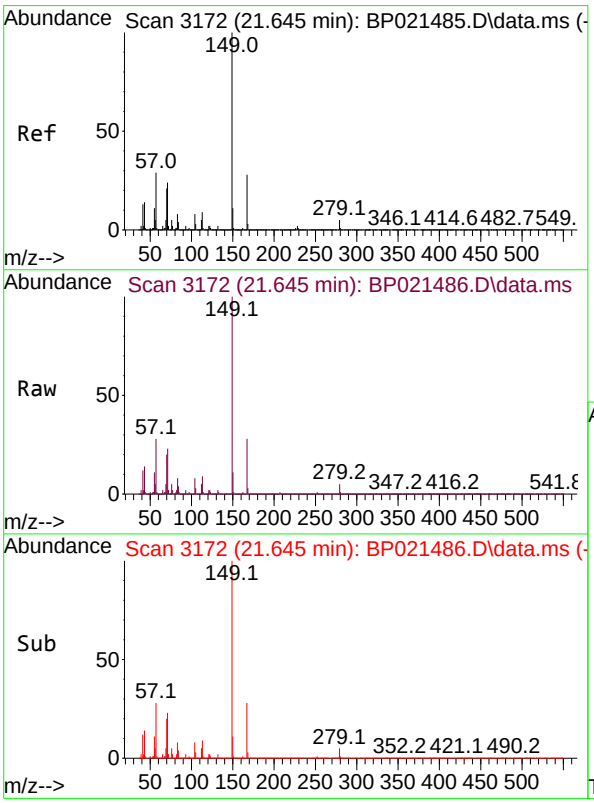
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.9	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

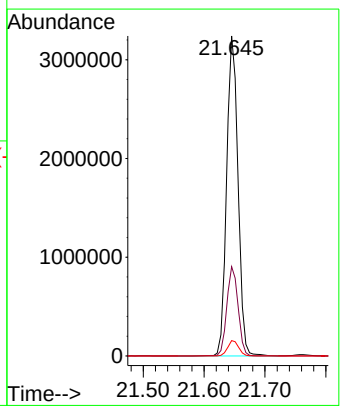
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

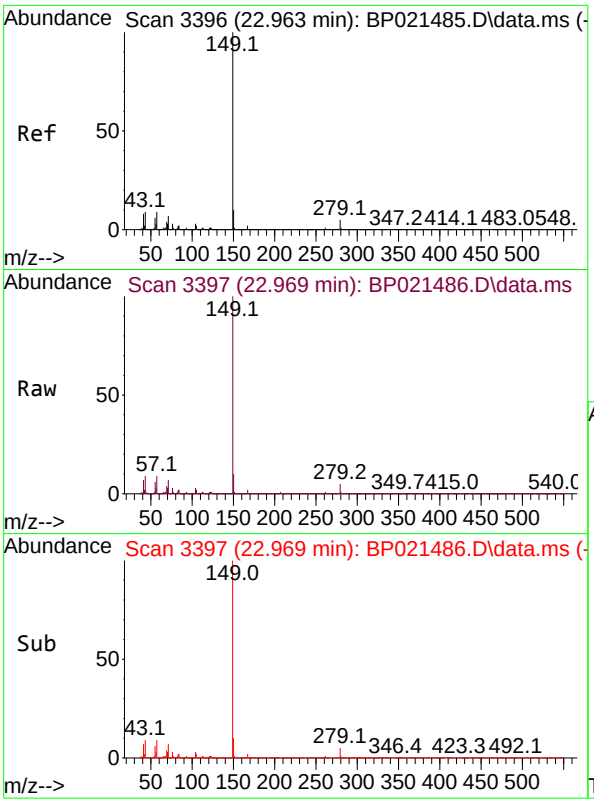


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.143 ng
RT: 21.645 min Scan# 3172
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:149 Resp: 4205342

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.3	33.5
279	4.8	3.8	5.6

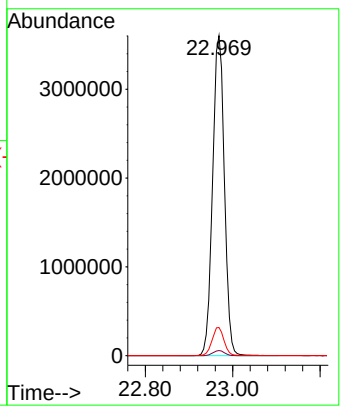




#85
Di-n-octyl phthalate
Concen: 49.144 ng
RT: 22.969 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:149 Resp: 672254

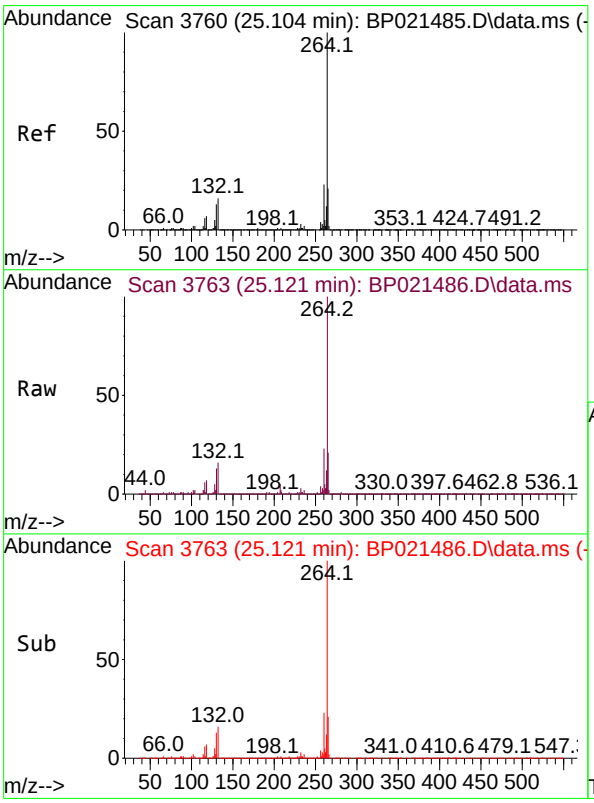
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.9	7.3	10.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

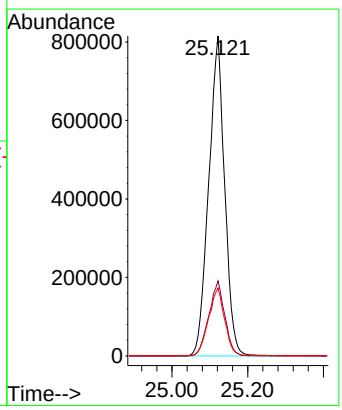
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

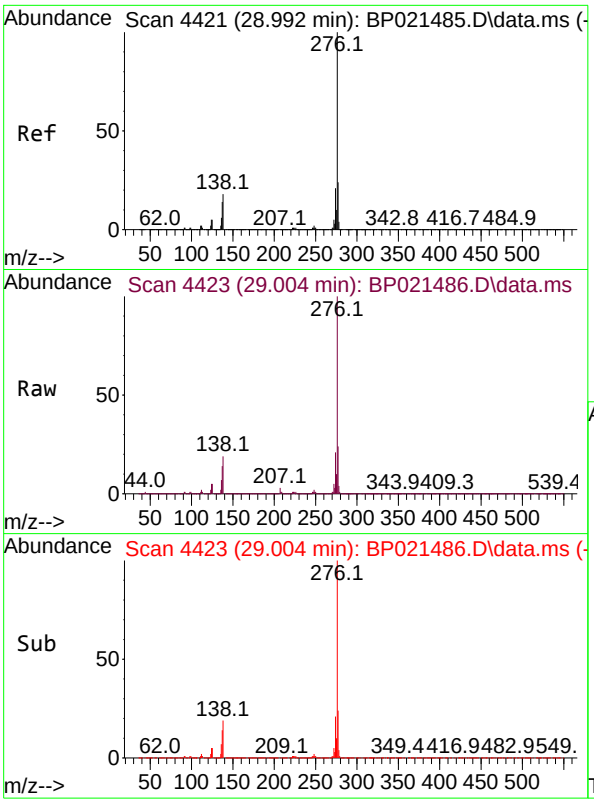


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.121 min Scan# 3763
Delta R.T. 0.018 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:264 Resp: 2377136

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.2	17.1	25.7

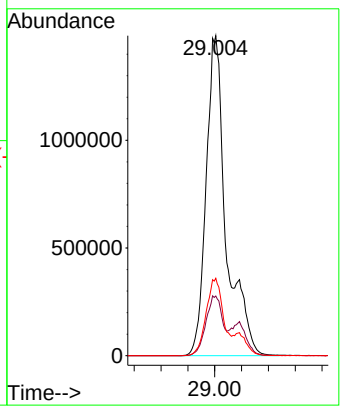




#87
Indeno(1,2,3-cd)pyrene
Concen: 50.025 ng m
RT: 29.004 min Scan# 44
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:276 Resp: 770746

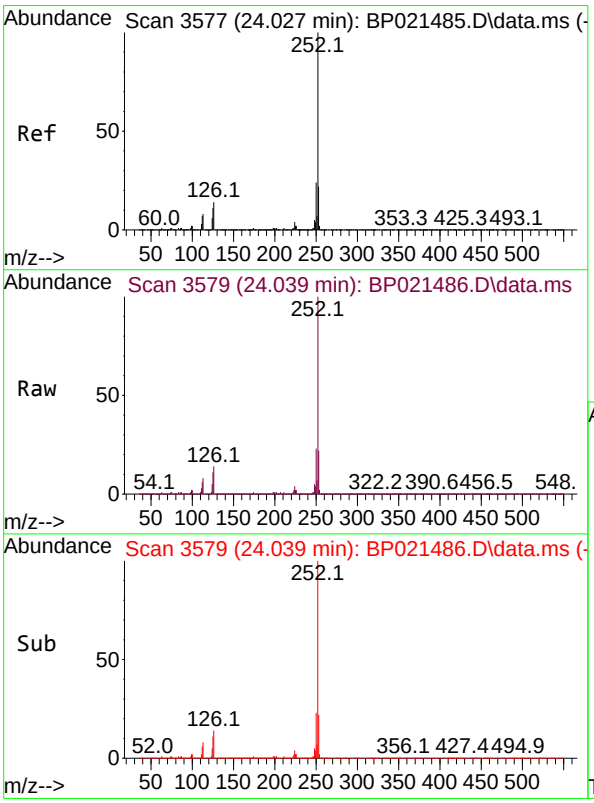
Ion	Ratio	Lower	Upper
276	100		
138	15.5	12.8	19.2
277	20.6	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

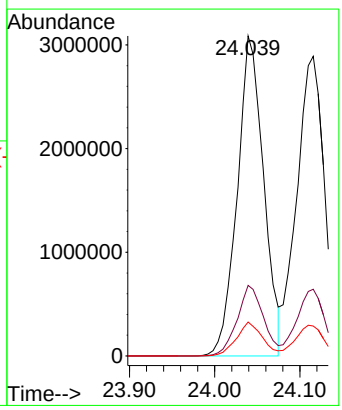
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

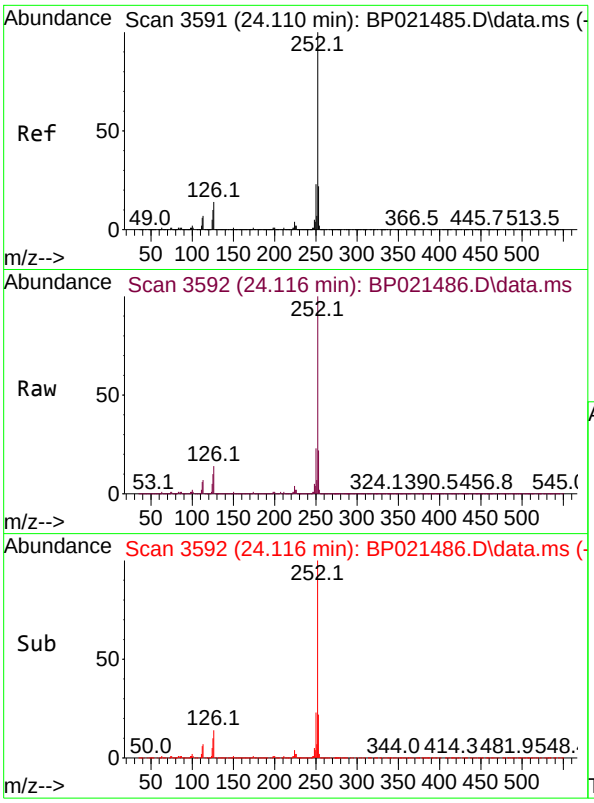


#88
Benzo(b)fluoranthene
Concen: 48.689 ng
RT: 24.039 min Scan# 3579
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:252 Resp: 6647186

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.6	8.6	13.0

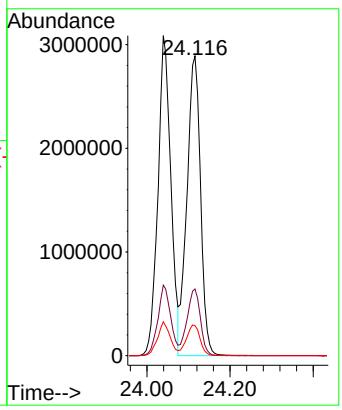




#89
Benzo(k)fluoranthene
Concen: 49.204 ng
RT: 24.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:252 Resp: 655298

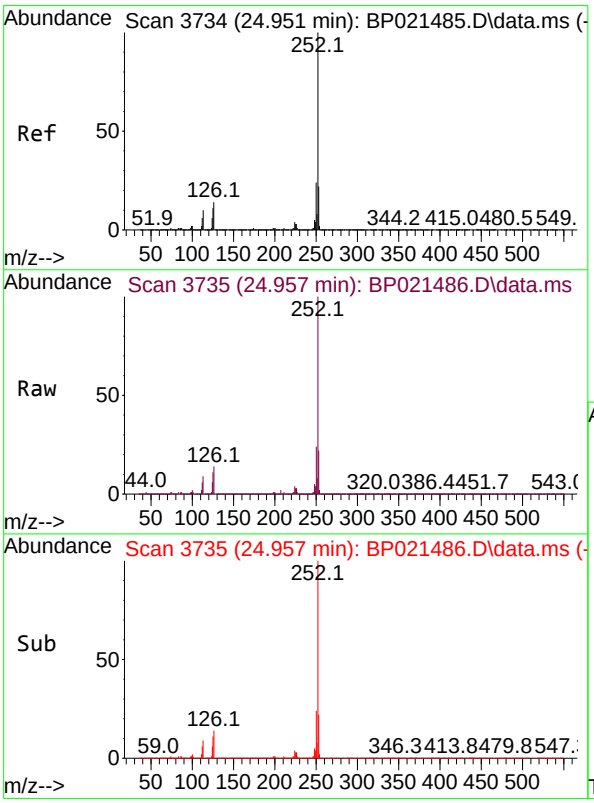
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.0	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

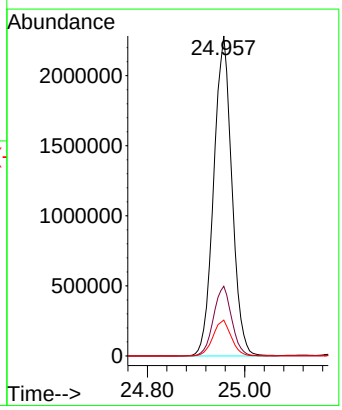
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

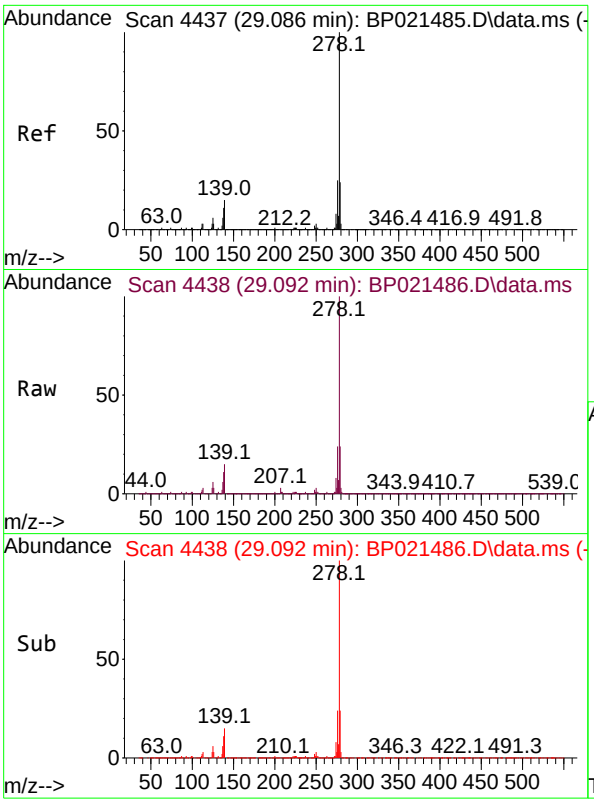


#90
Benzo(a)pyrene
Concen: 49.959 ng
RT: 24.957 min Scan# 3735
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:252 Resp: 5918922

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	11.2	8.7	13.1

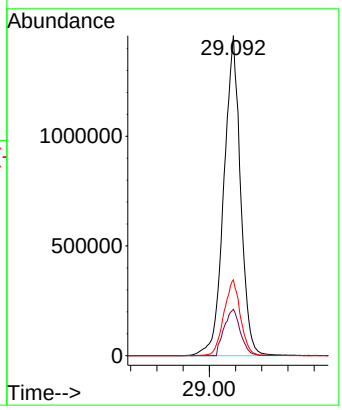




#91
Dibenzo(a,h)anthracene
Concen: 50.151 ng
RT: 29.092 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:278 Resp: 642089

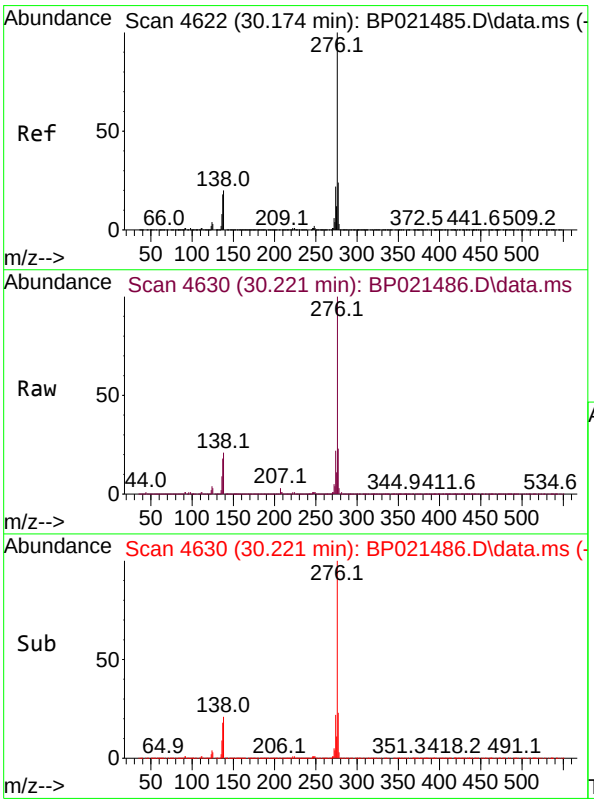
Ion	Ratio	Lower	Upper
278	100		
139	14.5	12.2	18.4
279	23.7	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

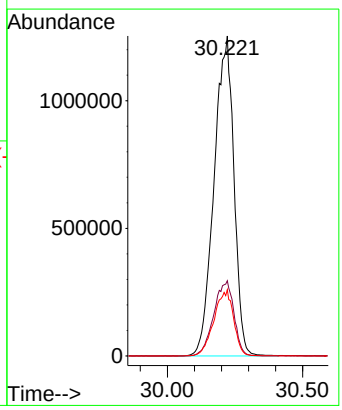
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 49.748 ng
RT: 30.221 min Scan# 4630
Delta R.T. 0.047 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:276 Resp: 6383870

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.6
138	20.7	16.0	24.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021487.D
Acq On : 13 Aug 2024 16:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.810	152	382208	20.000	ng		0.00
21) Naphthalene-d8	10.599	136	1539217	20.000	ng		0.00
39) Acenaphthene-d10	14.457	164	953193	20.000	ng		0.00
64) Phenanthrene-d10	17.257	188	1991489	20.000	ng		0.00
76) Chrysene-d12	21.710	240	1907005	20.000	ng		0.01
86) Perylene-d12	25.121	264	2191159	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	3212821	124.817	ng		0.00
7) Phenol-d6	6.963	99	4582988	122.053	ng		0.00
23) Nitrobenzene-d5	8.957	82	4024825	134.966	ng		0.00
42) 2,4,6-Tribromophenol	15.969	330	1401053	132.067	ng		0.00
45) 2-Fluorobiphenyl	13.069	172	7484438	119.833	ng		0.00
79) Terphenyl-d14	19.986	244	11374626	115.877	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.322	88	739240	60.569	ng		99
3) Pyridine	3.705	79	2102990m	61.723	ng		
4) n-Nitrosodimethylamine	3.622	42	625716	61.099	ng		99
6) Aniline	7.134	93	2239942	59.670	ng		100
8) 2-Chlorophenol	7.375	128	1472845	61.917	ng		98
9) Benzaldehyde	6.946	77	1212390	50.428	ng		98
10) Phenol	6.993	94	2381743	61.254	ng		98
11) bis(2-Chloroethyl)ether	7.234	93	1938063	58.905	ng		99
12) 1,3-Dichlorobenzene	7.699	146	1682261	59.538	ng		100
13) 1,4-Dichlorobenzene	7.846	146	1709124	59.904	ng		99
14) 1,2-Dichlorobenzene	8.157	146	1624118	59.070	ng		100
15) Benzyl Alcohol	8.034	79	1647924	61.166	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.334	45	1756837	57.982	ng		100
17) 2-Methylphenol	8.234	107	1477294	60.098	ng		99
18) Hexachloroethane	8.893	117	704431	61.570	ng		99
19) n-Nitroso-di-n-propyla...	8.610	70	1457549	56.194	ng		99
20) 3+4-Methylphenols	8.563	107	2028575	61.202	ng		99
22) Acetophenone	8.616	105	2813557	59.500	ng	#	99
24) Nitrobenzene	8.999	77	2126322	65.650	ng		98
25) Isophorone	9.522	82	4092218	58.086	ng		99
26) 2-Nitrophenol	9.704	139	554873	60.117	ng		99
27) 2,4-Dimethylphenol	9.763	122	1074335	61.792	ng		97
28) bis(2-Chloroethoxy)met...	10.004	93	2556281	59.443	ng		100
29) 2,4-Dichlorophenol	10.234	162	1331749	64.829	ng		98
30) 1,2,4-Trichlorobenzene	10.457	180	1609924	61.128	ng		98
31) Naphthalene	10.646	128	4829277	60.059	ng		99
32) Benzoic acid	9.904	122	775935	61.192	ng		99
33) 4-Chloroaniline	10.746	127	1798121	59.532	ng		99
34) Hexachlorobutadiene	10.940	225	1011679	61.008	ng		99
35) Caprolactam	11.510	113	522232	61.084	ng		98
36) 4-Chloro-3-methylphenol	11.863	107	1746318	61.283	ng		98
37) 2-Methylnaphthalene	12.257	142	3238044	59.003	ng		99
38) 1-Methylnaphthalene	12.475	142	3163697	58.451	ng		99
40) 1,2,4,5-Tetrachloroben...	12.634	216	1762492	63.107	ng		100
41) Hexachlorocyclopentadiene	12.622	237	610821	69.006	ng		99
43) 2,4,6-Trichlorophenol	12.857	196	1050099	67.687	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021487.D
Acq On : 13 Aug 2024 16:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	1165351	67.609	ng		98
46) 1,1'-Biphenyl	13.275	154	4097218	60.754	ng		100
47) 2-Chloronaphthalene	13.316	162	3228869	61.498	ng		99
48) 2-Nitroaniline	13.504	65	940456	62.204	ng		99
49) Acenaphthylene	14.175	152	4669645	60.501	ng		100
50) Dimethylphthalate	13.904	163	3832687	60.041	ng		100
51) 2,6-Dinitrotoluene	14.016	165	805457	61.336	ng		99
52) Acenaphthene	14.522	154	3066208	60.546	ng		98
53) 3-Nitroaniline	14.345	138	797905	61.781	ng		99
54) 2,4-Dinitrophenol	14.545	184	242951	61.764	ng		95
55) Dibenzofuran	14.857	168	4594089	58.970	ng		99
56) 4-Nitrophenol	14.639	139	644221	62.066	ng		93
57) 2,4-Dinitrotoluene	14.816	165	1034061	61.548	ng	#	94
58) Fluorene	15.522	166	3759913	58.748	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.086	232	973647	66.550	ng		99
60) Diethylphthalate	15.292	149	3911032	59.713	ng		100
61) 4-Chlorophenyl-phenyle...	15.528	204	1945714	58.814	ng		97
62) 4-Nitroaniline	15.534	138	824354	62.407	ng		98
63) Azobenzene	15.822	77	4711824	58.524	ng		98
65) 4,6-Dinitro-2-methylph...	15.586	198	410096	61.846	ng		98
66) n-Nitrosodiphenylamine	15.734	169	3192615	59.821	ng		100
67) 4-Bromophenyl-phenylether	16.433	248	1286048	61.016	ng		97
68) Hexachlorobenzene	16.551	284	1505847	60.456	ng		100
69) Atrazine	16.710	200	1088343	59.397	ng		99
70) Pentachlorophenol	16.892	266	899879	66.192	ng		99
71) Phenanthrene	17.292	178	5685784	59.366	ng		100
72) Anthracene	17.392	178	5636907	60.013	ng		100
73) Carbazole	17.675	167	5454823	60.260	ng		99
74) Di-n-butylphthalate	18.269	149	6834417	61.477	ng		100
75) Fluoranthene	19.380	202	7044903	59.949	ng		99
77) Benzidine	19.569	184	2334836	54.599	ng		100
78) Pyrene	19.757	202	7263907	58.277	ng		100
80) Butylbenzylphthalate	20.710	149	2906885	60.438	ng		98
81) Benzo(a)anthracene	21.692	228	7119658	59.472	ng		99
82) 3,3'-Dichlorobenzidine	21.598	252	2455338	63.969	ng		100
83) Chrysene	21.757	228	6762569	59.831	ng		99
84) Bis(2-ethylhexyl)phtha...	21.645	149	4576797	64.685	ng		100
85) Di-n-octyl phthalate	22.968	149	7622203	59.983	ng		99
87) Indeno(1,2,3-cd)pyrene	28.998	276	9100343m	64.078	ng		
88) Benzo(b)fluoranthene	24.045	252	7812709	62.083	ng		99
89) Benzo(k)fluoranthene	24.121	252	7561966	61.599	ng		99
90) Benzo(a)pyrene	24.974	252	6839630	62.630	ng		99
91) Dibenzo(a,h)anthracene	29.103	278	7520005	63.721	ng		100
92) Benzo(g,h,i)perylene	30.203	276	7563028	63.940	ng		100

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

ICAL Form

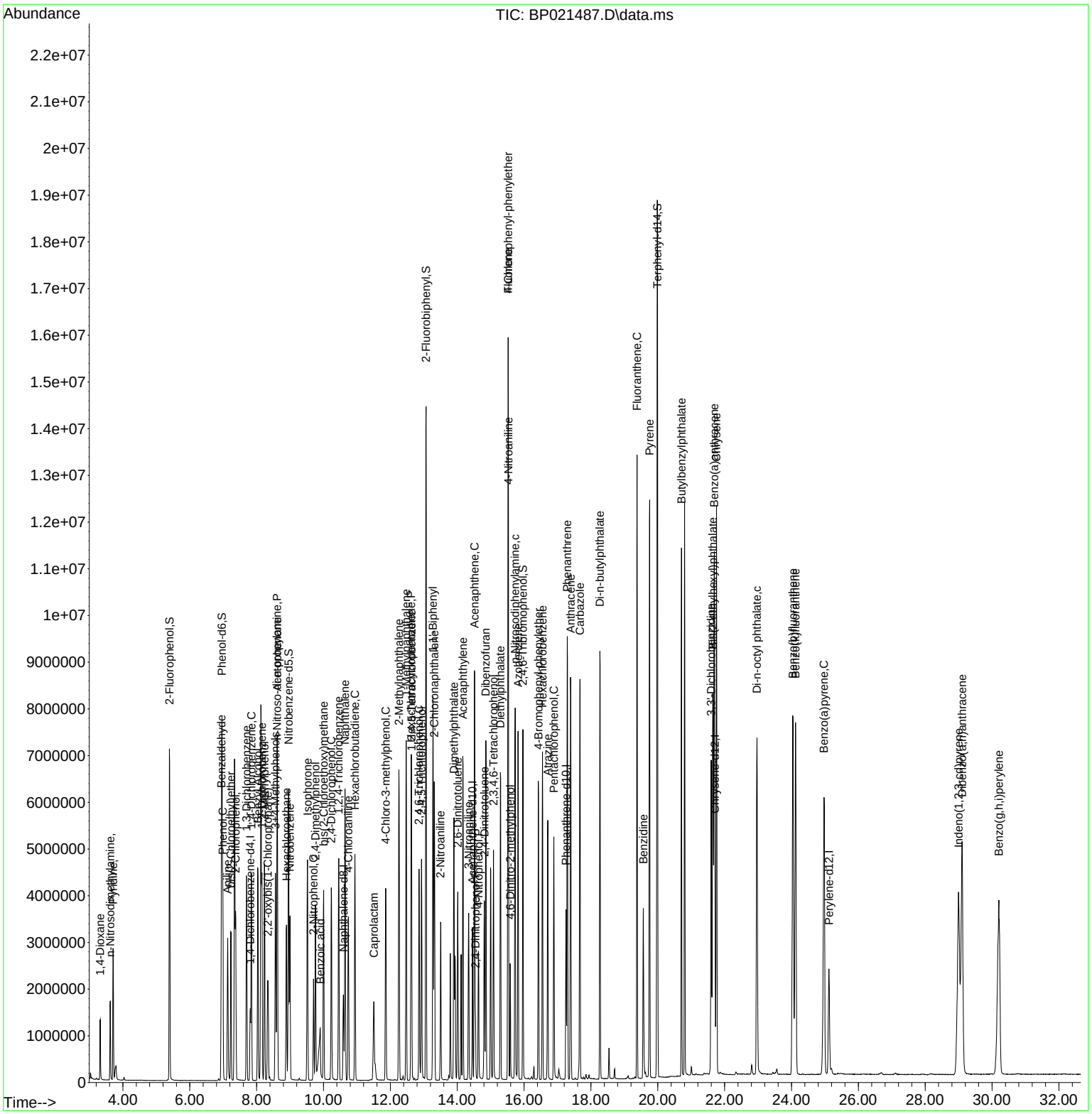
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021487.D
Acq On : 13 Aug 2024 16:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

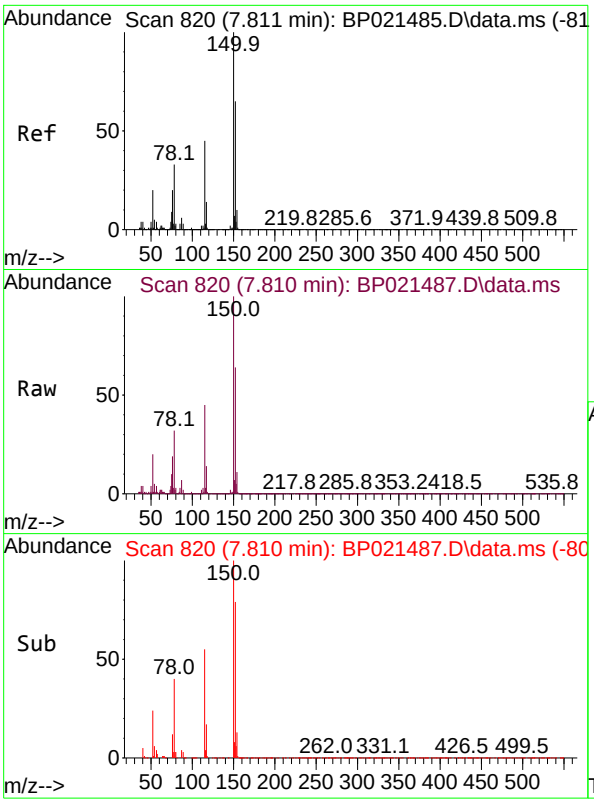
Quant Time: Aug 13 23:48:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

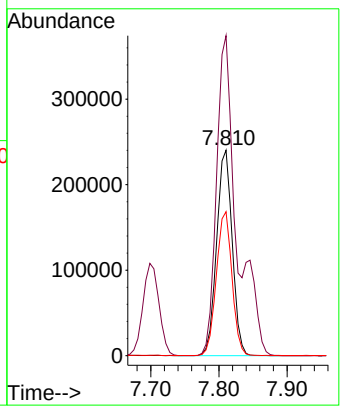




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.001 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:152 Resp: 38220

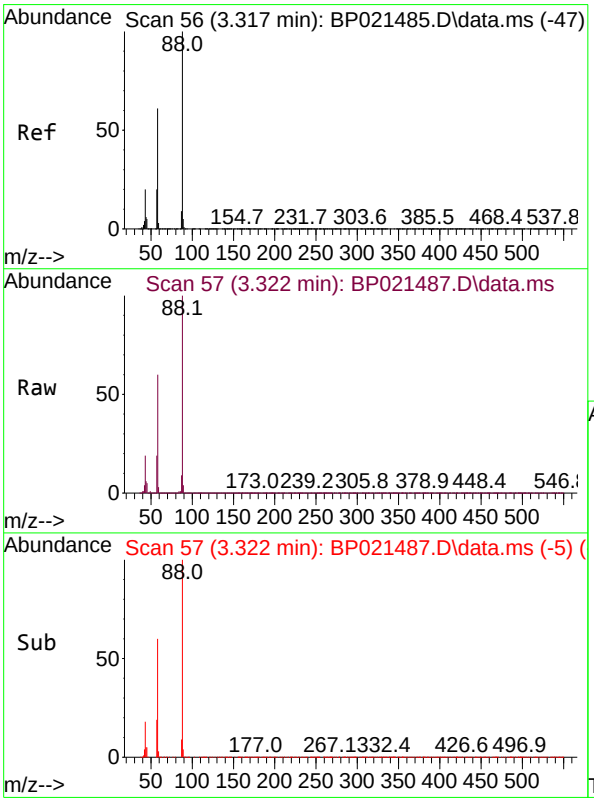
Ion	Ratio	Lower	Upper
152	100		
150	155.8	122.4	183.6
115	70.1	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

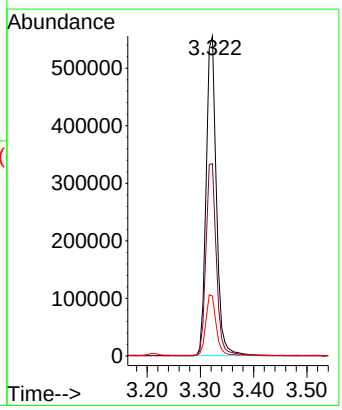
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

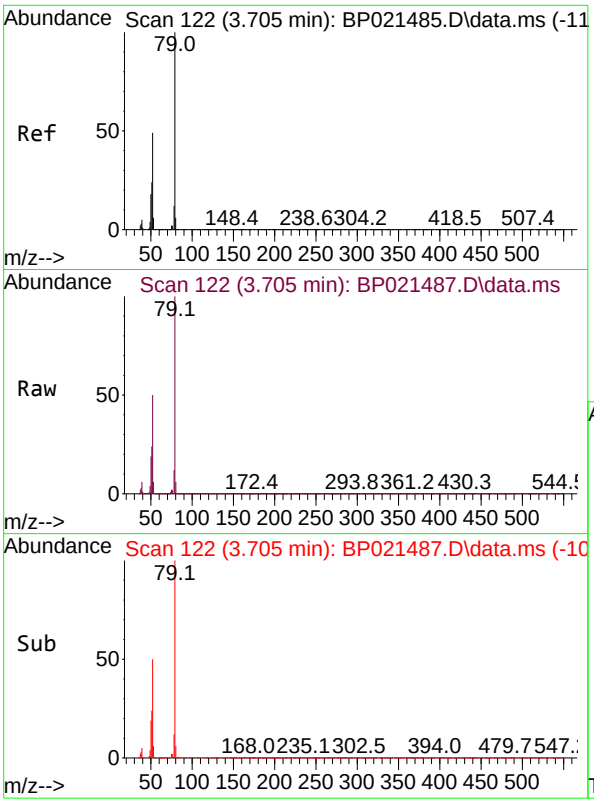


#2
1,4-Dioxane
Concen: 60.569 ng
RT: 3.322 min Scan# 57
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 88 Resp: 739240

Ion	Ratio	Lower	Upper
88	100		
58	61.4	48.7	73.1
43	19.1	15.4	23.2

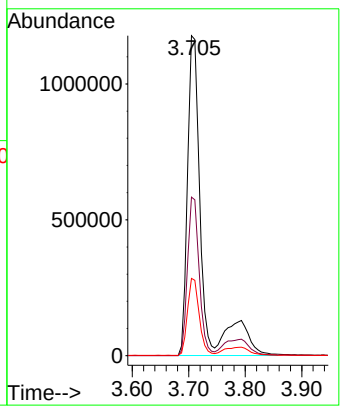




#3
Pyridine
Concen: 61.723 ng m
RT: 3.705 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 79 Resp: 210299

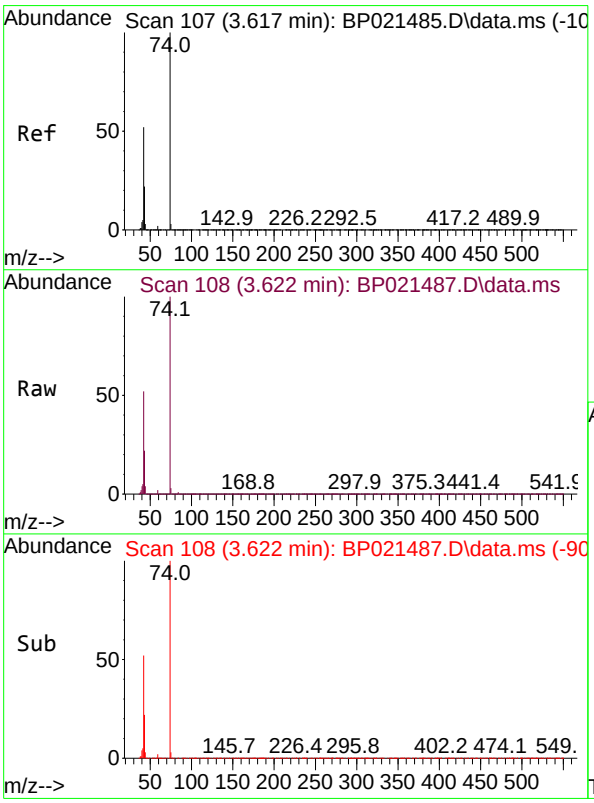
Ion	Ratio	Lower	Upper
79	100		
52	49.5	39.0	58.6
51	24.1	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

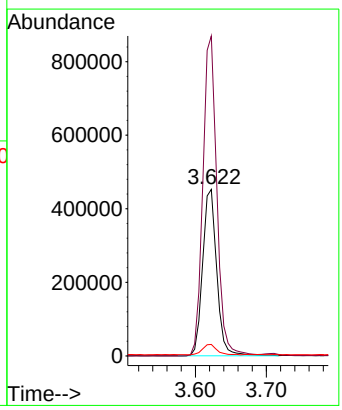
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

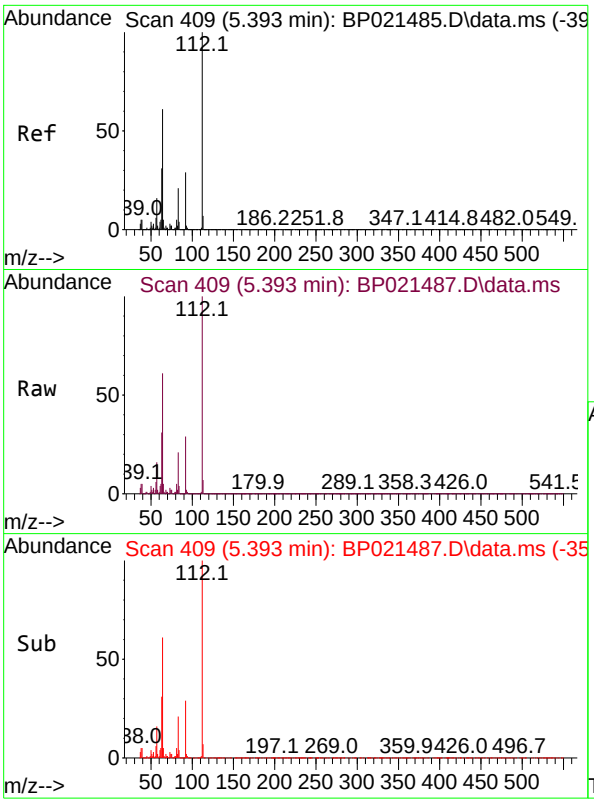


#4
n-Nitrosodimethylamine
Concen: 61.099 ng
RT: 3.622 min Scan# 108
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 42 Resp: 625716

Ion	Ratio	Lower	Upper
42	100		
74	192.1	154.3	231.5
44	7.0	6.2	9.4

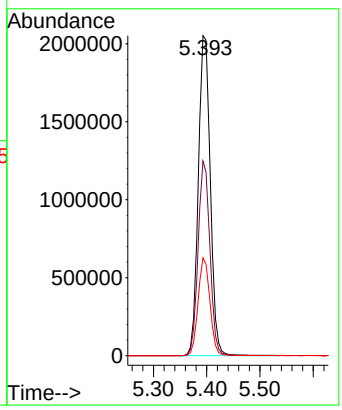




#5
2-Fluorophenol
Concen: 124.817 ng
RT: 5.393 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:112 Resp: 321282

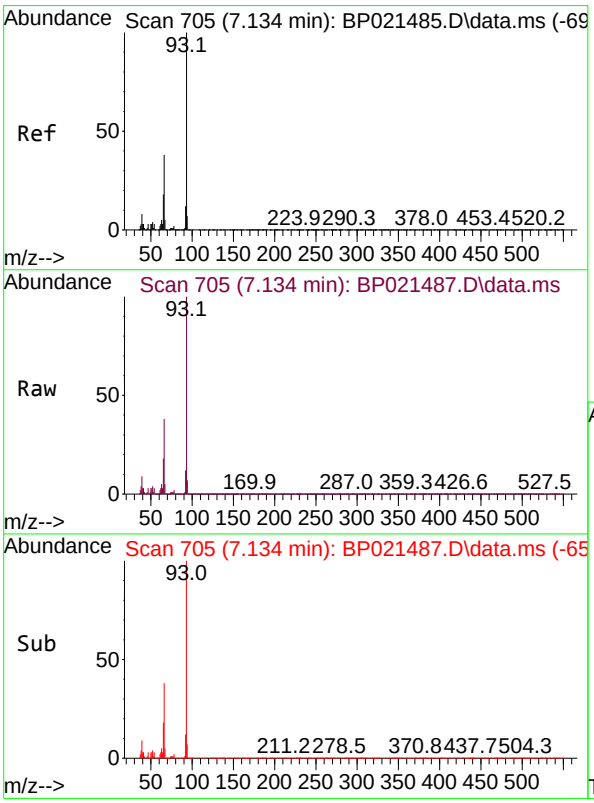
Ion	Ratio	Lower	Upper
112	100		
64	60.8	49.0	73.6
63	30.6	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

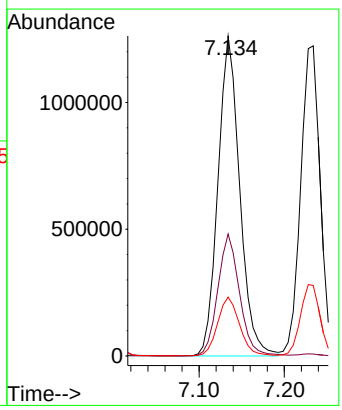
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

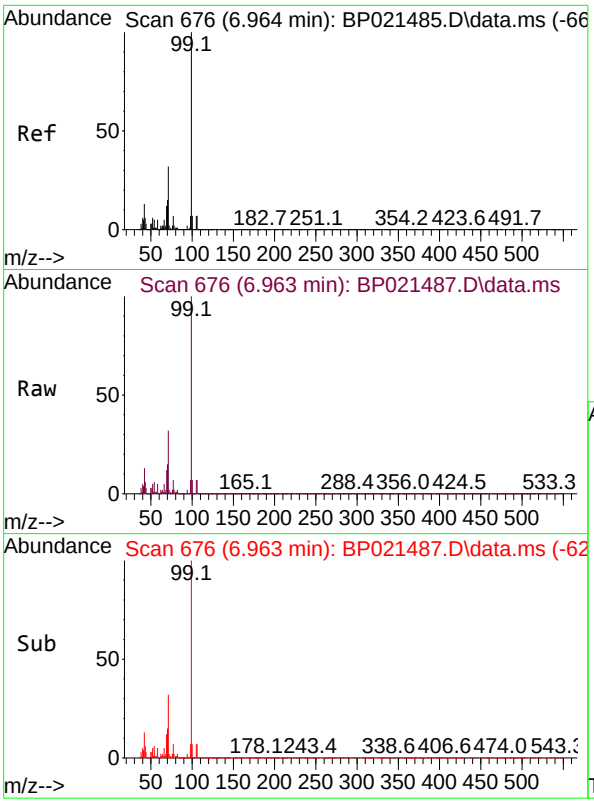


#6
Aniline
Concen: 59.670 ng
RT: 7.134 min Scan# 705
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 93 Resp: 2239942

Ion	Ratio	Lower	Upper
93	100		
66	38.1	30.2	45.2
65	18.4	14.7	22.1

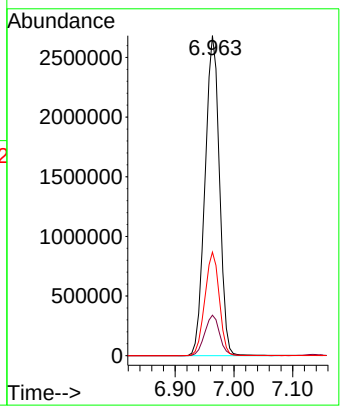




#7
Phenol-d6
Concen: 122.053 ng
RT: 6.963 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 99 Resp: 458298

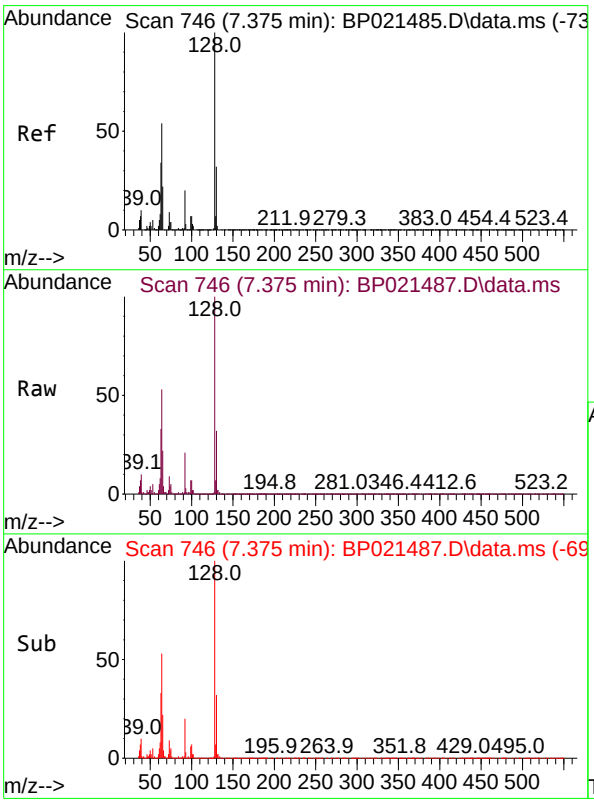
Ion	Ratio	Lower	Upper
99	100		
42	12.6	10.2	15.4
71	32.4	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

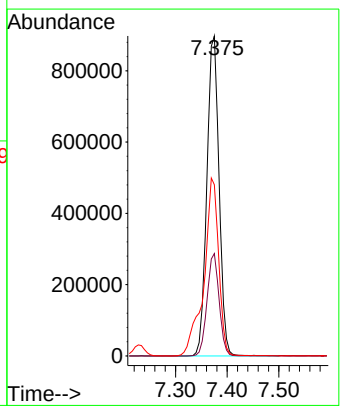
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

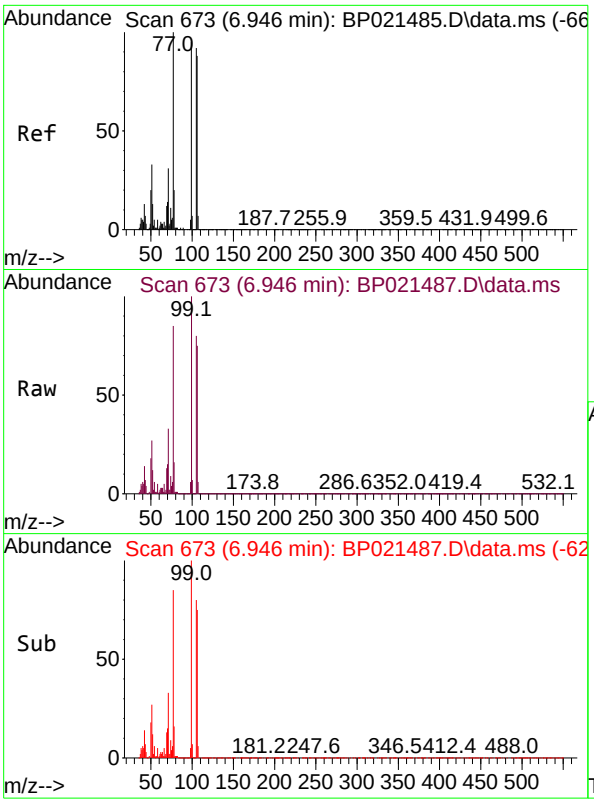


#8
2-Chlorophenol
Concen: 61.917 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:128 Resp: 1472845

Ion	Ratio	Lower	Upper
128	100		
130	32.0	11.6	51.6
64	53.5	35.3	75.3

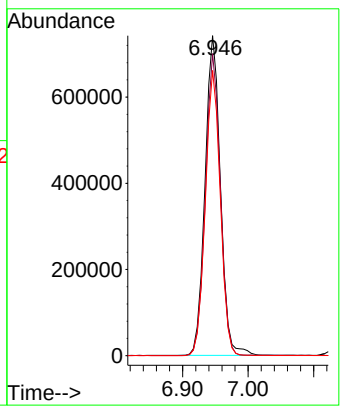




#9
Benzaldehyde
Concen: 50.428 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 77 Resp: 121239

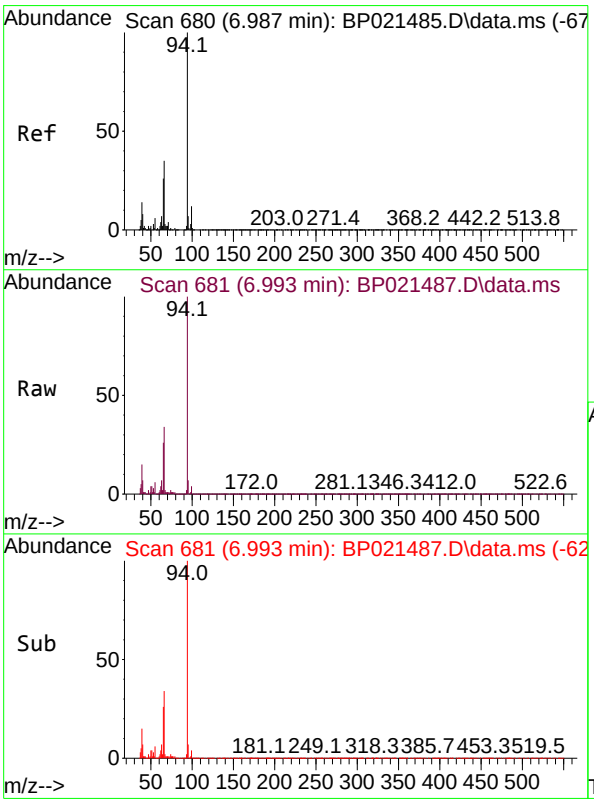
Ion	Ratio	Lower	Upper
77	100		
105	94.4	72.1	112.1
106	89.1	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

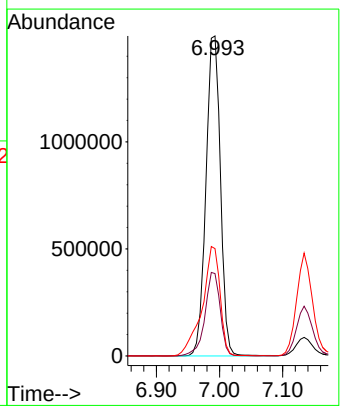
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

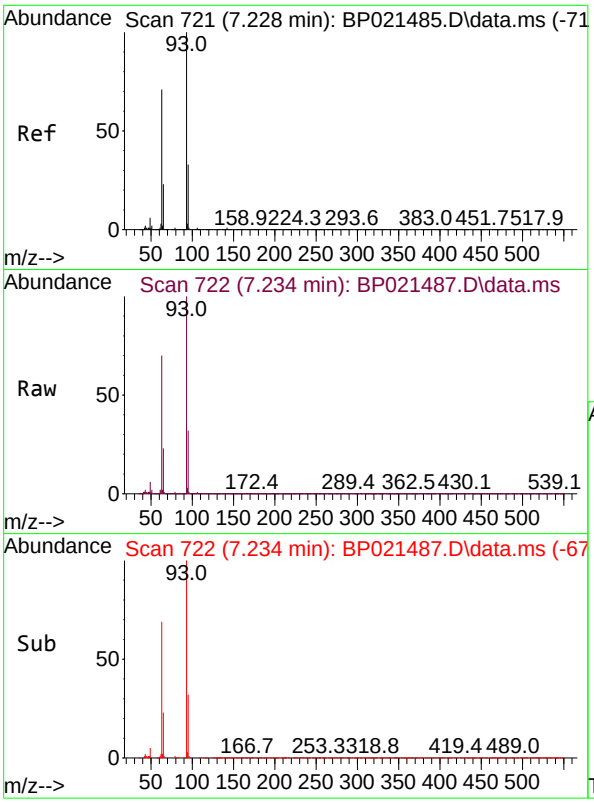


#10
Phenol
Concen: 61.254 ng
RT: 6.993 min Scan# 681
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 94 Resp: 2381743

Ion	Ratio	Lower	Upper
94	100		
65	25.8	6.5	46.5
66	33.6	14.7	54.7

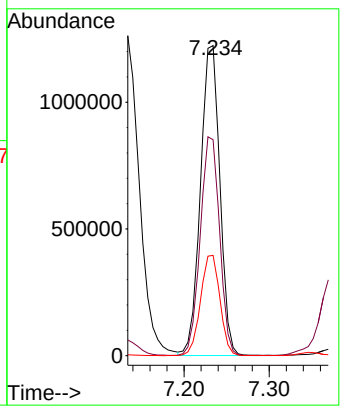




#11
bis(2-Chloroethyl)ether
Concen: 58.905 ng
RT: 7.234 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 93 Resp: 193806

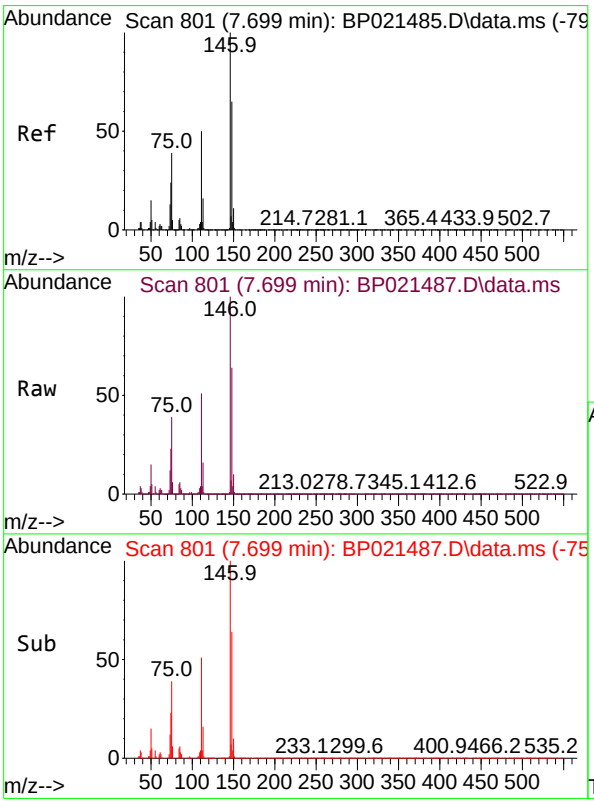
Ion	Ratio	Lower	Upper
93	100		
63	69.6	51.0	91.0
95	32.4	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

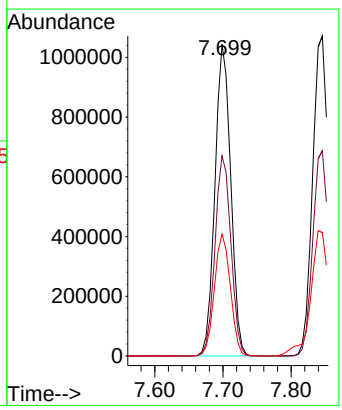
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

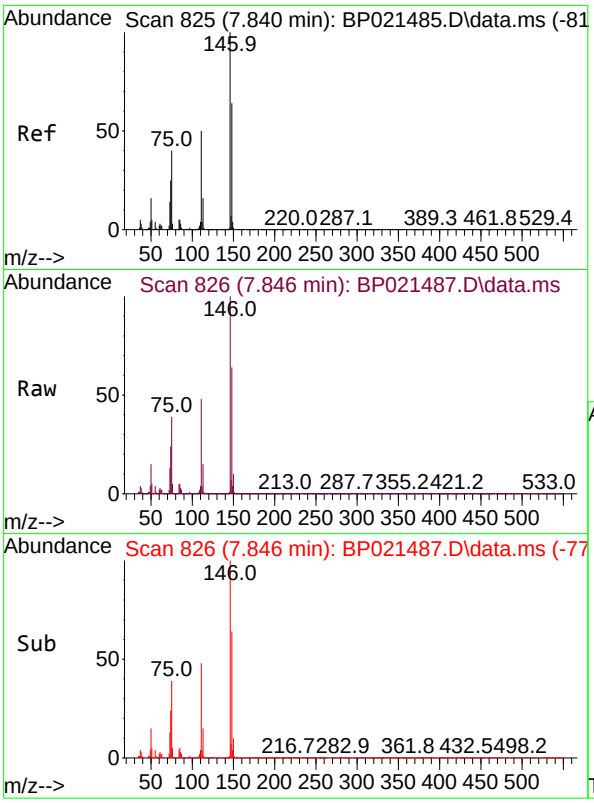


#12
1,3-Dichlorobenzene
Concen: 59.538 ng
RT: 7.699 min Scan# 801
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:146 Resp: 1682261

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.8	77.6
75	39.1	31.3	46.9

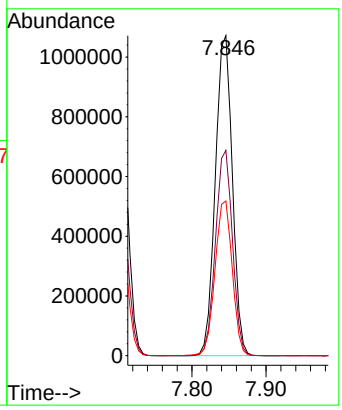




#13
1,4-Dichlorobenzene
Concen: 59.904 ng
RT: 7.846 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:146 Resp: 170912

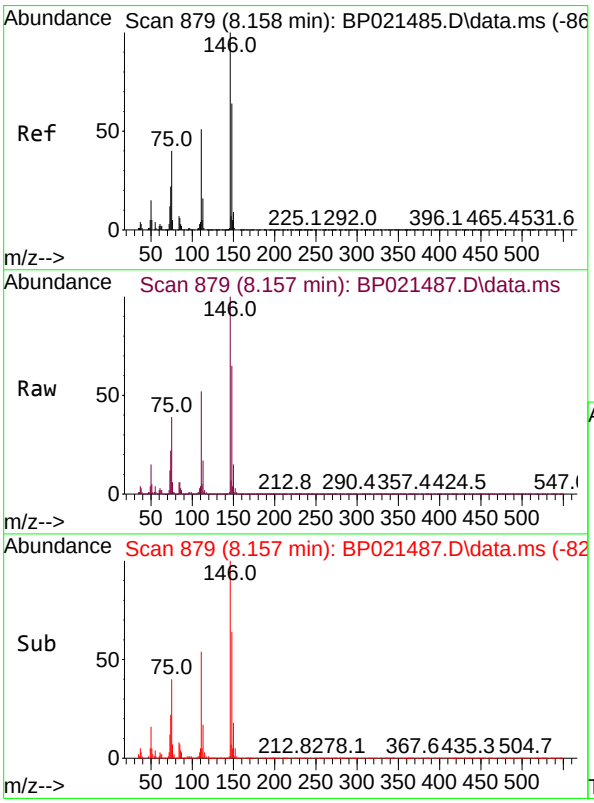
Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.5	77.3
111	48.4	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

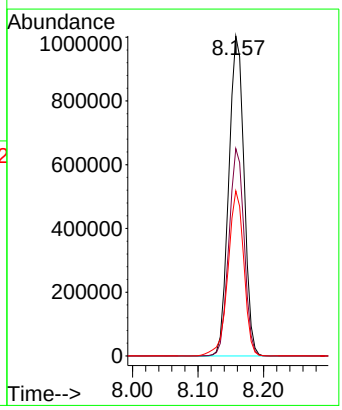
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

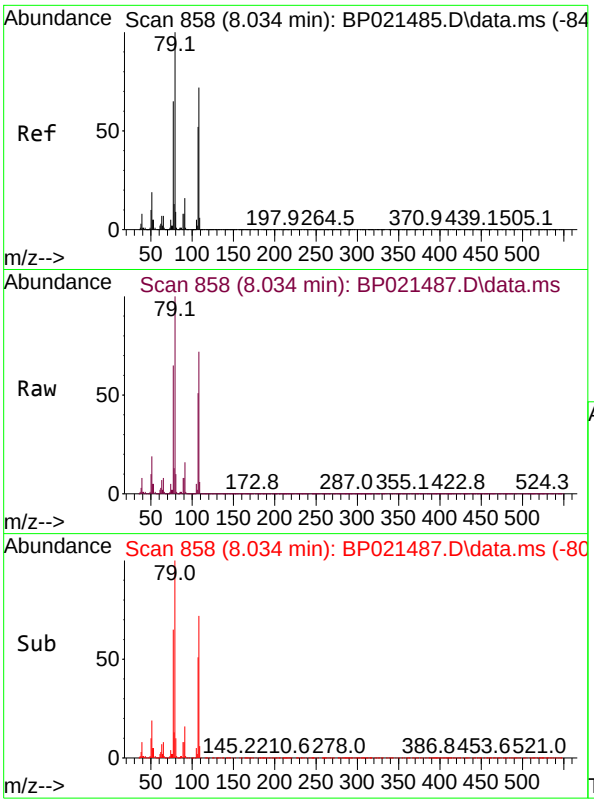


#14
1,2-Dichlorobenzene
Concen: 59.070 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:146 Resp: 1624118

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.5	77.3
111	51.6	41.1	61.7

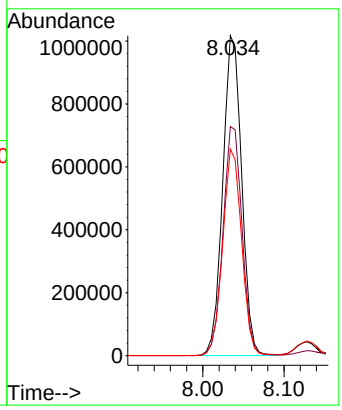




#15
Benzyl Alcohol
Concen: 61.166 ng
RT: 8.034 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 79 Resp: 164792

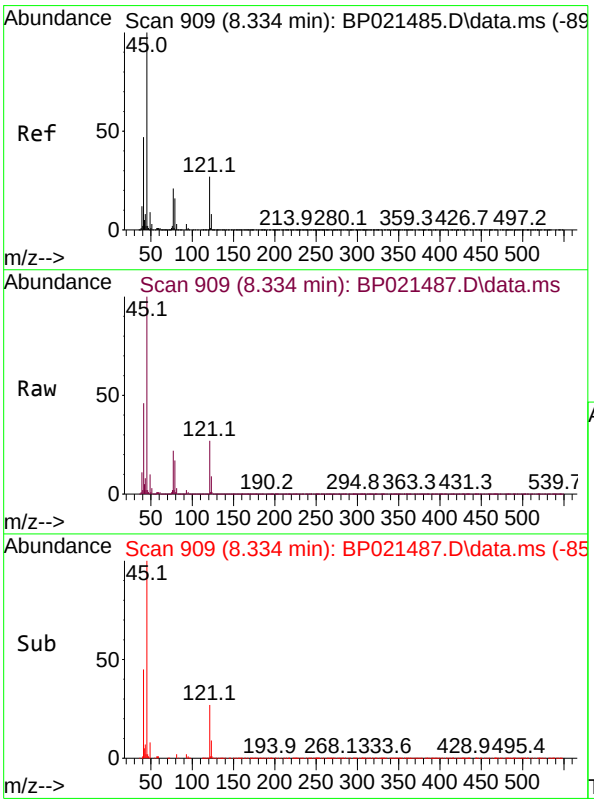
Ion	Ratio	Lower	Upper
79	100		
108	71.6	57.9	86.9
77	64.5	51.8	77.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

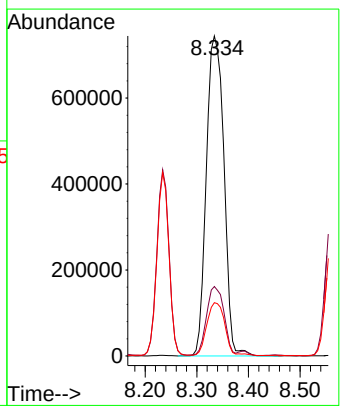
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

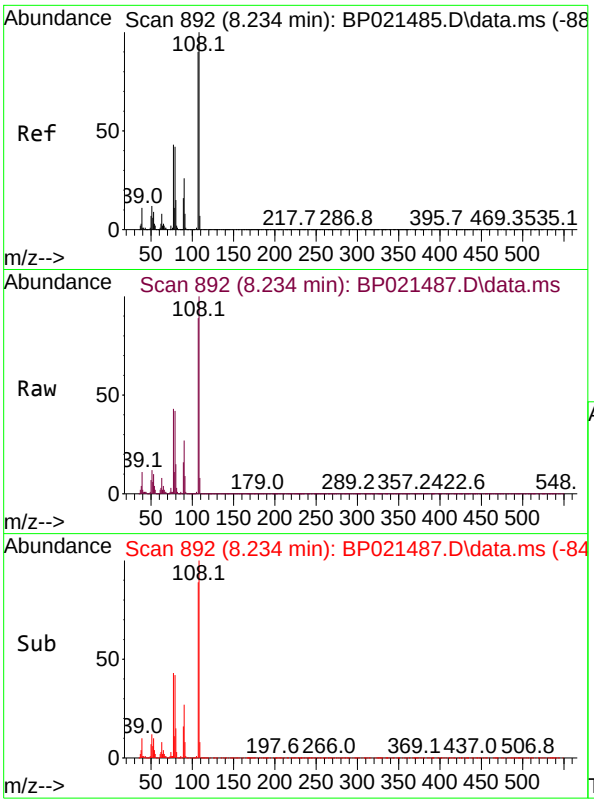


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.982 ng
RT: 8.334 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 45 Resp: 1756837

Ion	Ratio	Lower	Upper
45	100		
77	21.7	1.9	41.9
79	16.6	0.0	36.6

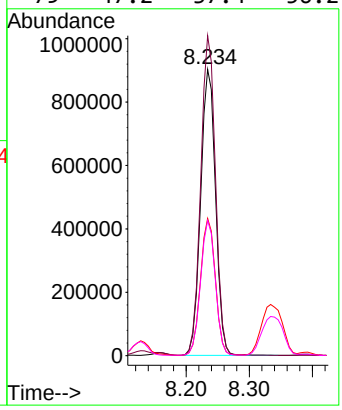




#17
2-Methylphenol
Concen: 60.098 ng
RT: 8.234 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:107 Resp: 147729

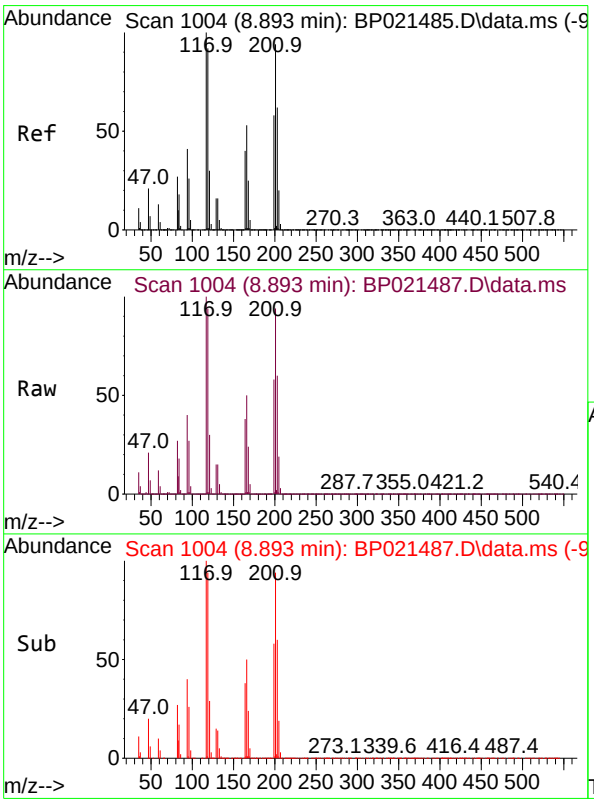
Ion	Ratio	Lower	Upper
107	100		
108	111.8	88.8	133.2
77	48.0	38.7	58.1
79	47.2	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

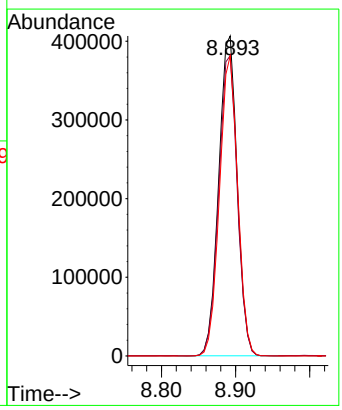
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

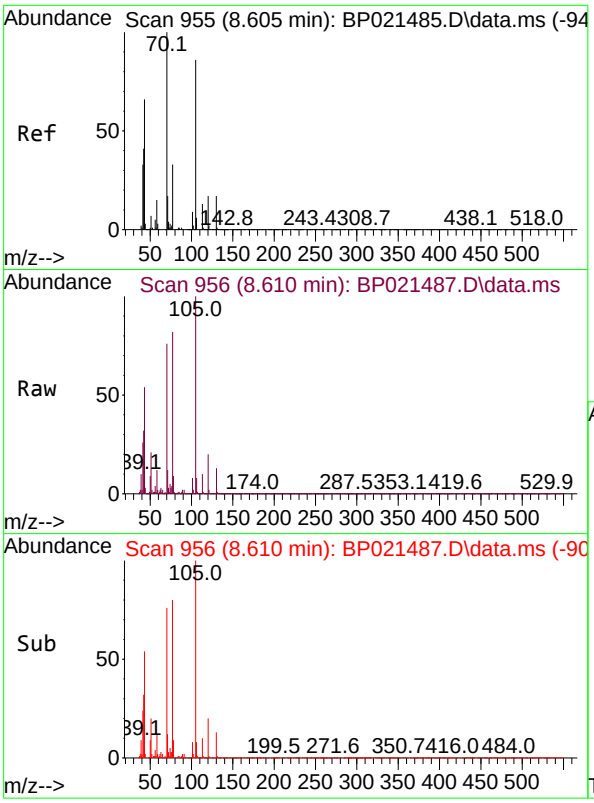


#18
Hexachloroethane
Concen: 61.570 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:117 Resp: 704431

Ion	Ratio	Lower	Upper
117	100		
119	93.9	73.9	110.9
201	93.8	74.9	112.3

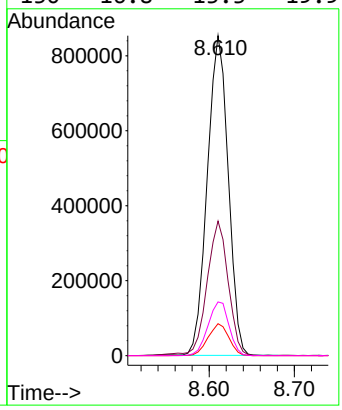




#19
n-Nitroso-di-n-propylamine
Concen: 56.194 ng
RT: 8.610 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 70 Resp: 145754

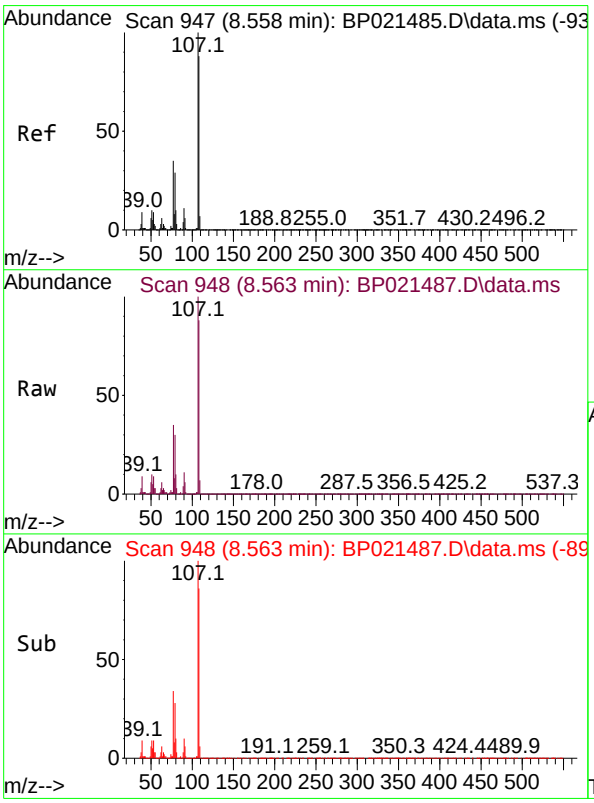
Ion	Ratio	Lower	Upper
70	100		
42	42.0	33.1	49.7
101	10.0	7.4	11.2
130	16.8	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

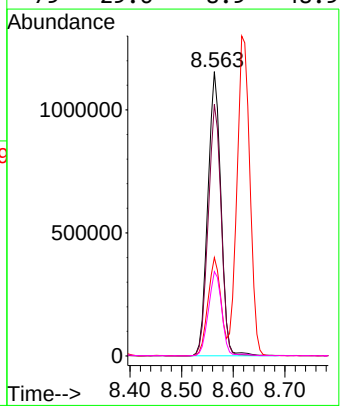
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

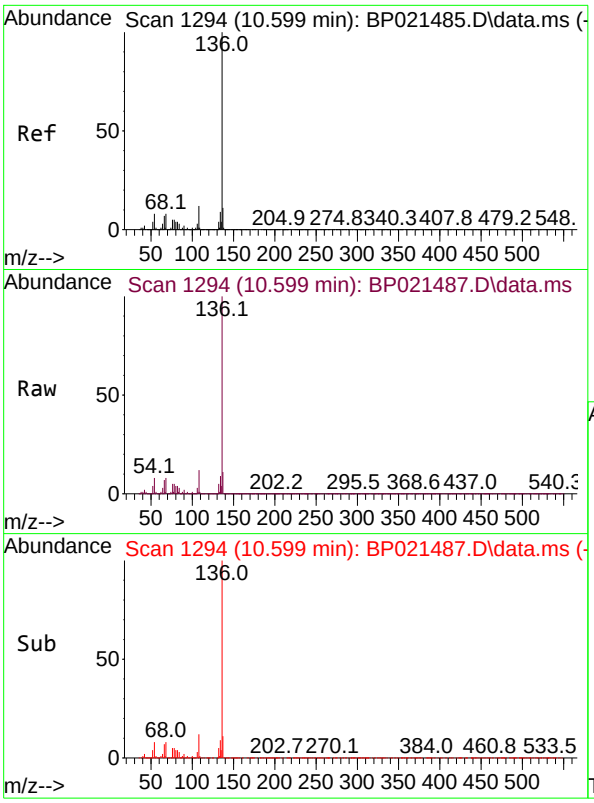


#20
3+4-Methylphenols
Concen: 61.202 ng
RT: 8.563 min Scan# 948
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:107 Resp: 2028575

Ion	Ratio	Lower	Upper
107	100		
108	88.4	67.6	107.6
77	34.6	15.0	55.0
79	29.6	8.9	48.9

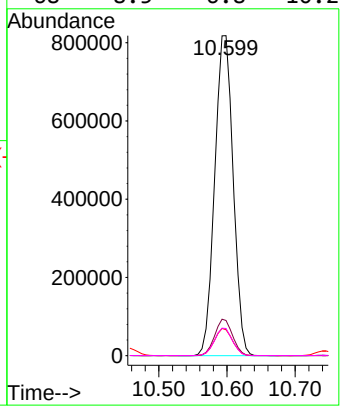




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.001 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:136 Resp: 153921

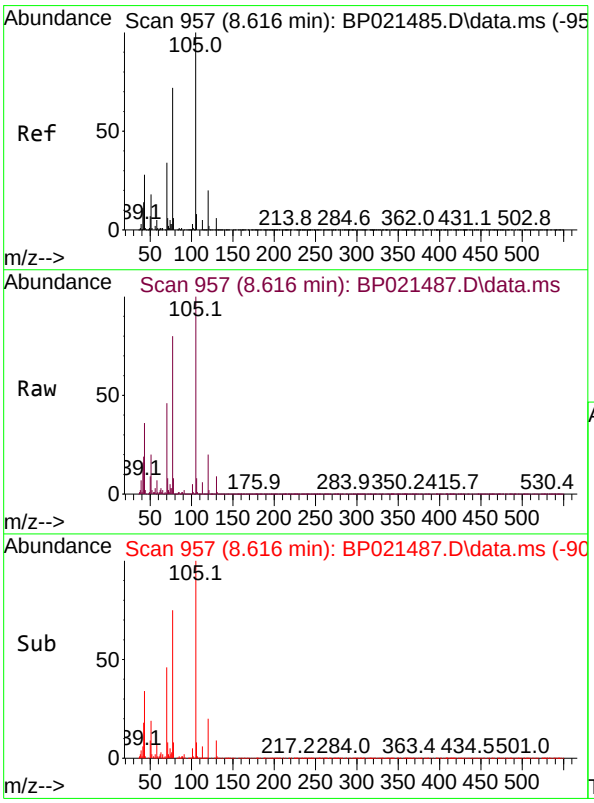
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.1	6.3	9.5
68	8.5	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

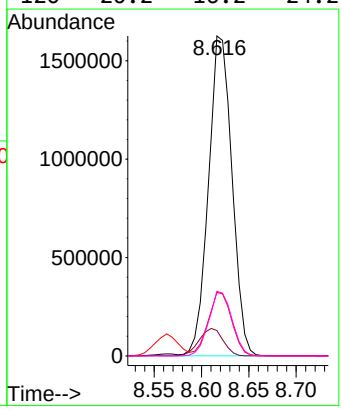
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

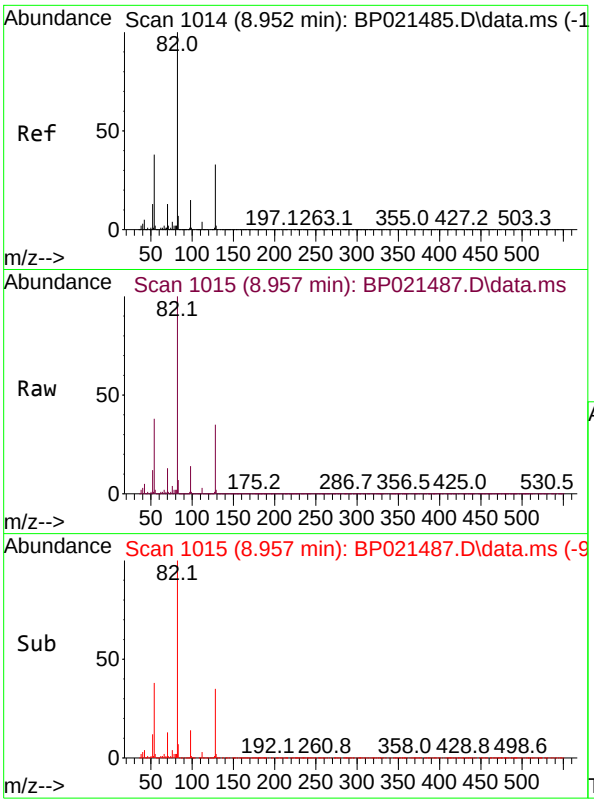


#22
Acetophenone
Concen: 59.500 ng
RT: 8.616 min Scan# 957
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:105 Resp: 2813557

Ion	Ratio	Lower	Upper
105	100		
71	8.0	4.6	7.0#
51	19.9	16.3	24.5
120	20.2	16.2	24.2

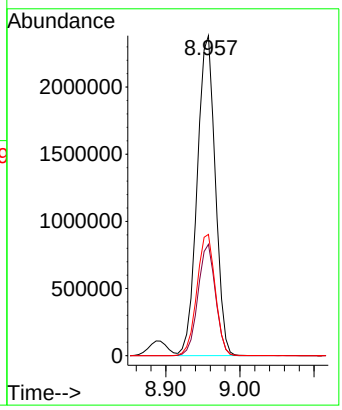




#23
Nitrobenzene-d5
Concen: 134.966 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 82 Resp: 402482

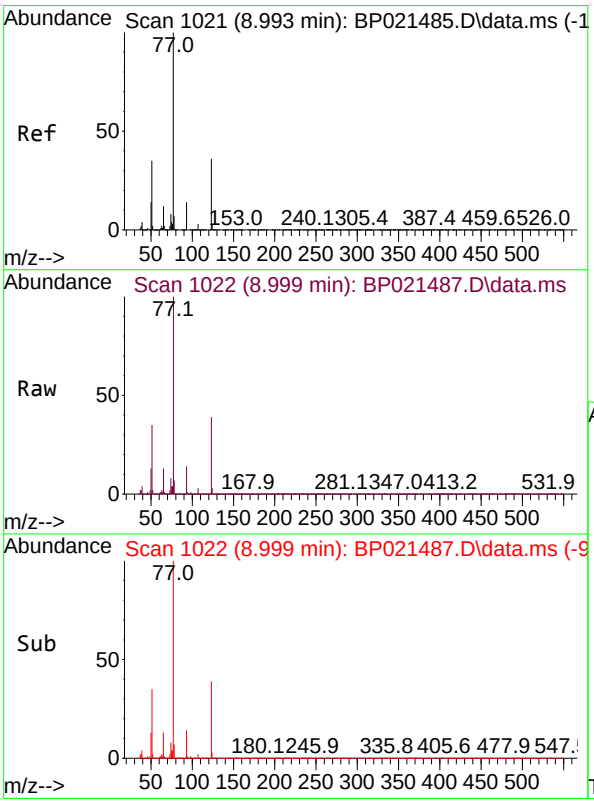
Ion	Ratio	Lower	Upper
82	100		
128	34.8	26.5	39.7
54	37.9	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

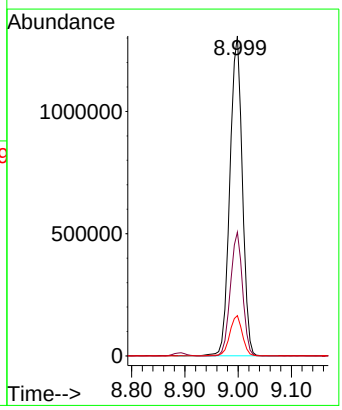
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

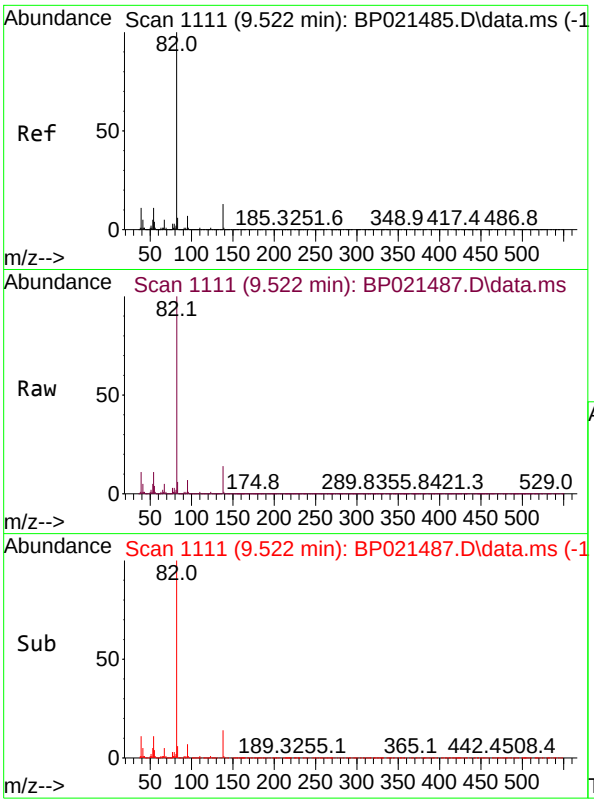


#24
Nitrobenzene
Concen: 65.650 ng
RT: 8.999 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 77 Resp: 2126322

Ion	Ratio	Lower	Upper
77	100		
123	38.7	29.5	44.3
65	12.6	9.9	14.9





#25
Isophorone
Concen: 58.086 ng
RT: 9.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

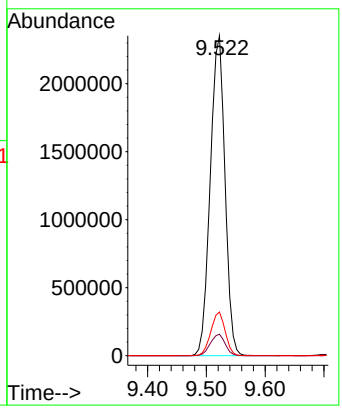
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

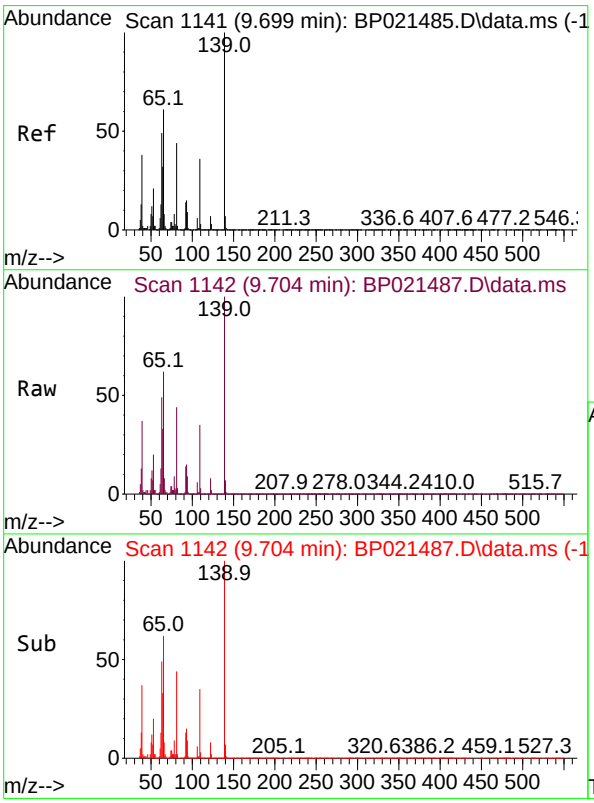
Tgt Ion: 82 Resp: 409221

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	13.6	10.6	16.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

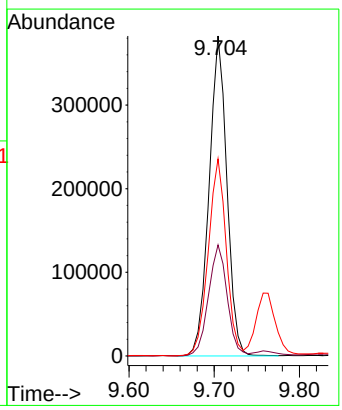


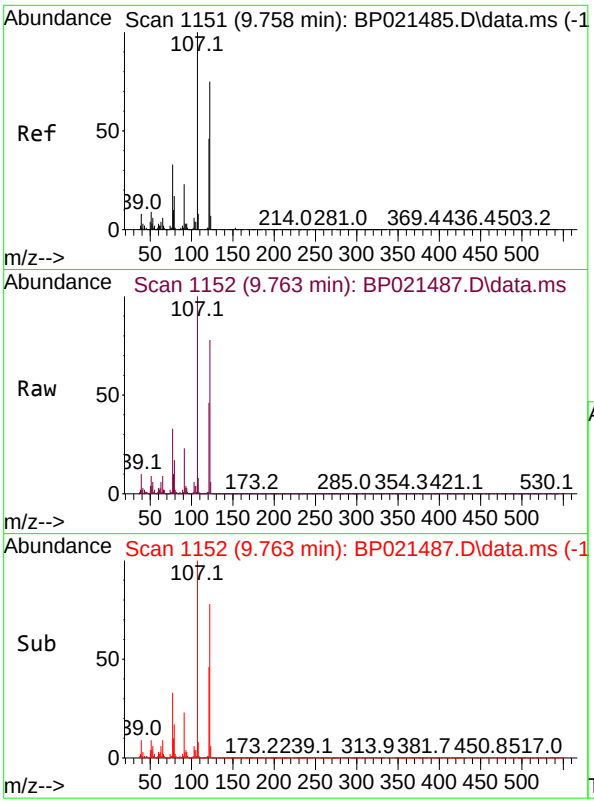


#26
2-Nitrophenol
Concen: 60.117 ng
RT: 9.704 min Scan# 1142
Delta R.T. 0.005 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:139 Resp: 554873

Ion	Ratio	Lower	Upper
139	100		
109	34.7	28.9	43.3
65	61.6	49.0	73.6

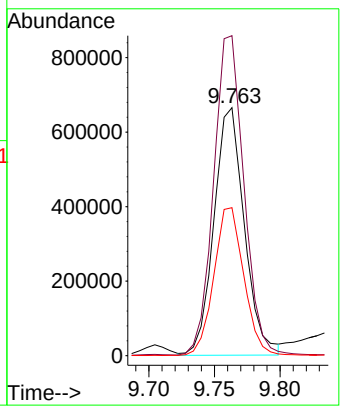




#27
2,4-Dimethylphenol
Concen: 61.792 ng
RT: 9.763 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:122 Resp: 107433

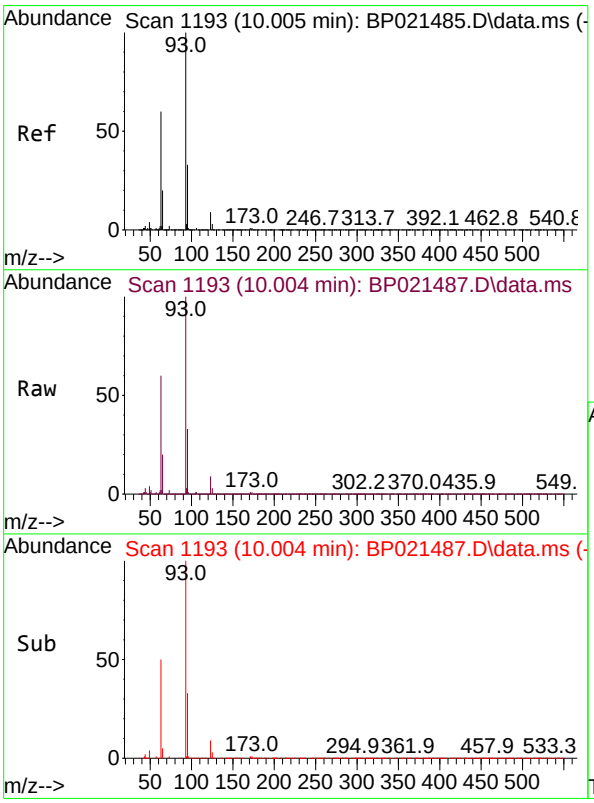
Ion	Ratio	Lower	Upper
122	100		
107	129.0	106.2	159.4
121	59.7	48.8	73.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

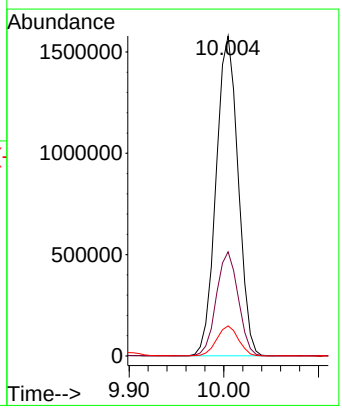
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

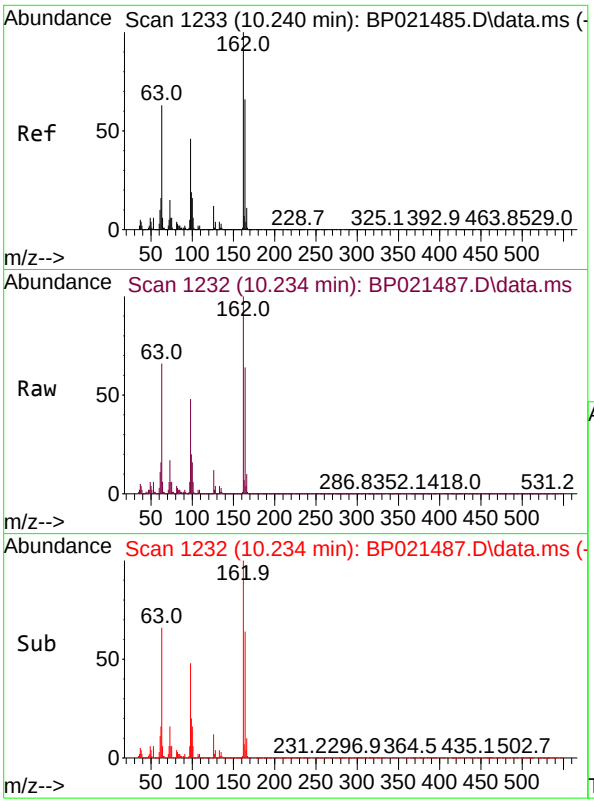


#28
bis(2-Chloroethoxy)methane
Concen: 59.443 ng
RT: 10.004 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 93 Resp: 2556281

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.4
123	9.4	7.6	11.4

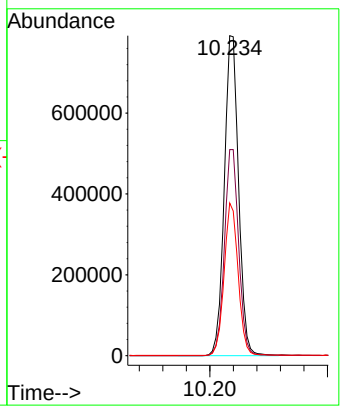




#29
2,4-Dichlorophenol
Concen: 64.829 ng
RT: 10.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:162 Resp: 133174

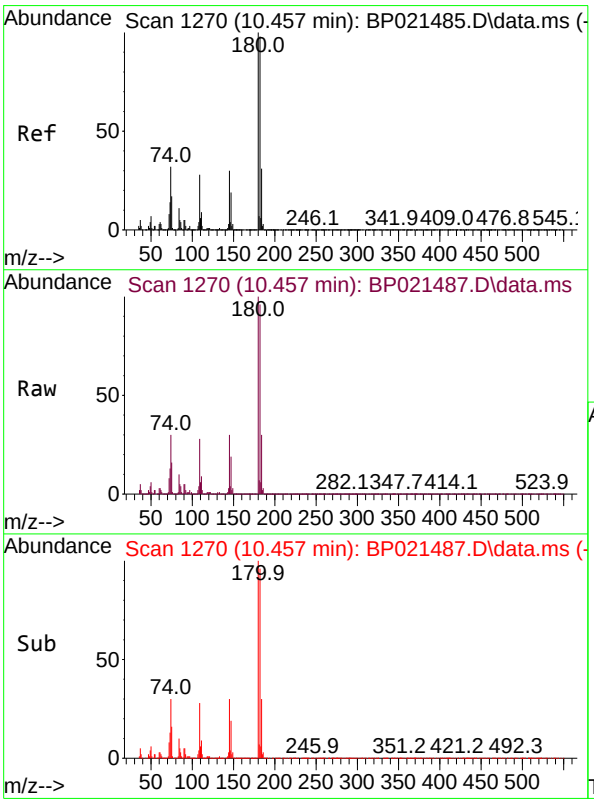
Ion	Ratio	Lower	Upper
162	100		
164	64.4	45.9	85.9
98	47.7	26.3	66.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

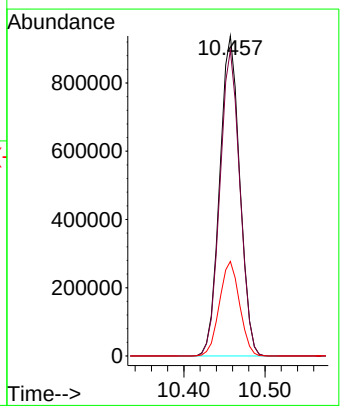
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

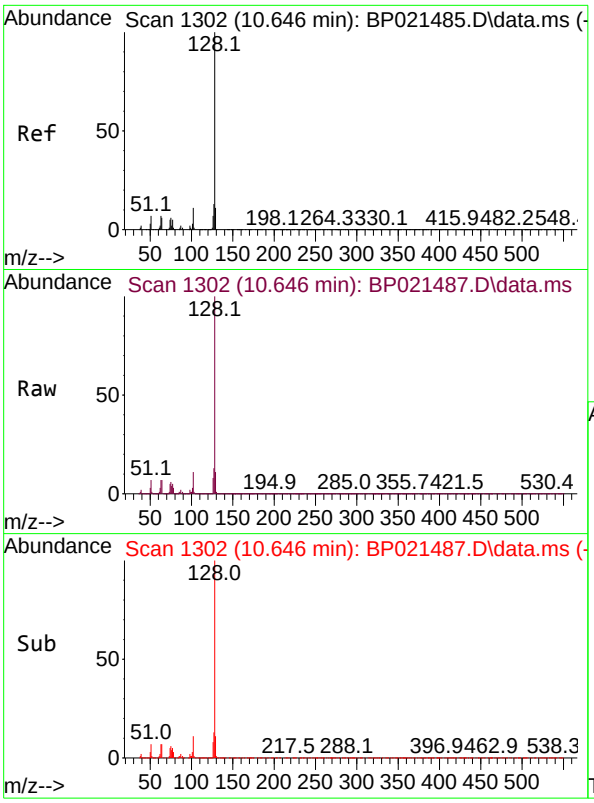


#30
1,2,4-Trichlorobenzene
Concen: 61.128 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:180 Resp: 1609924

Ion	Ratio	Lower	Upper
180	100		
182	95.5	78.3	117.5
145	29.5	24.0	36.0

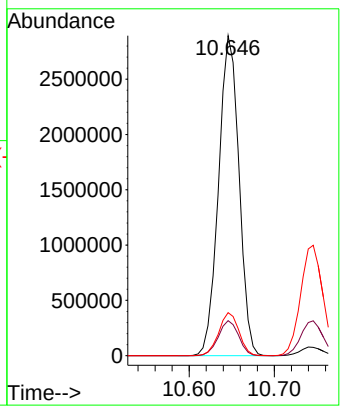




#31
Naphthalene
Concen: 60.059 ng
RT: 10.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:128 Resp: 482927

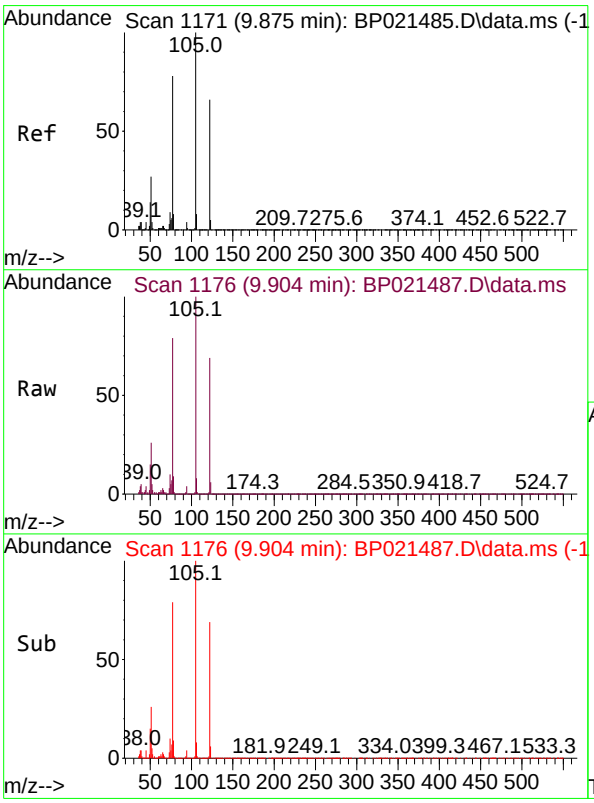
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.4	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

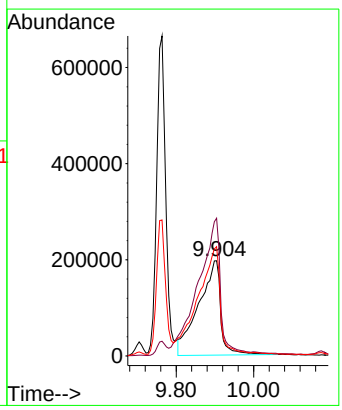
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

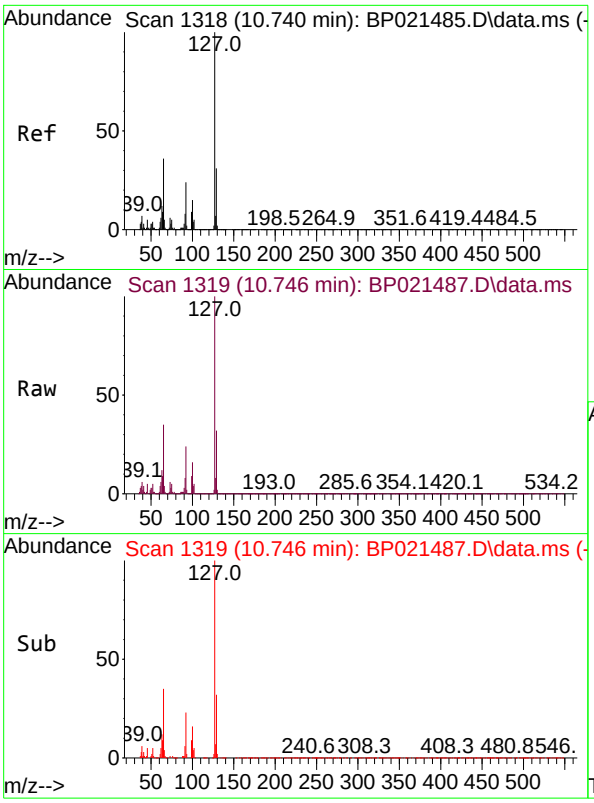


#32
Benzoic acid
Concen: 61.192 ng
RT: 9.904 min Scan# 1176
Delta R.T. 0.029 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:122 Resp: 775935

Ion	Ratio	Lower	Upper
122	100		
105	144.5	124.6	164.6
77	114.7	96.2	136.2

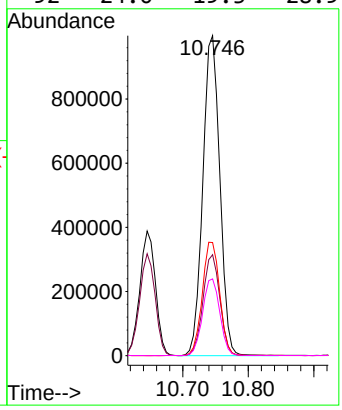




#33
4-Chloroaniline
Concen: 59.532 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:127 Resp: 179812

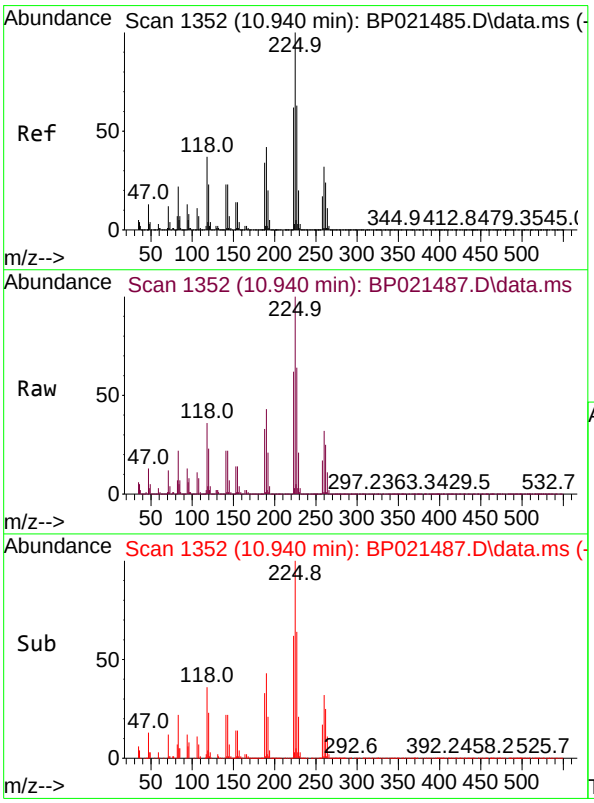
Ion	Ratio	Lower	Upper
127	100		
129	31.6	24.5	36.7
65	35.4	28.9	43.3
92	24.0	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

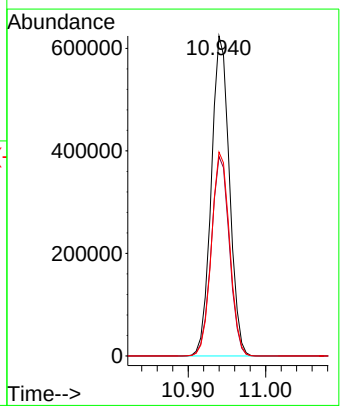
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

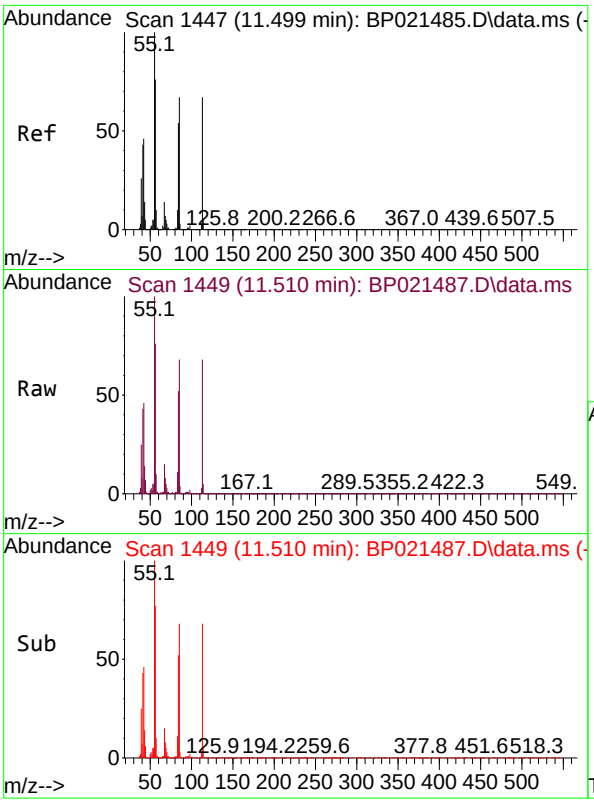


#34
Hexachlorobutadiene
Concen: 61.008 ng
RT: 10.940 min Scan# 1352
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:225 Resp: 1011679

Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.6	74.4
227	63.7	50.1	75.1





#35
Caprolactam
Concen: 61.084 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

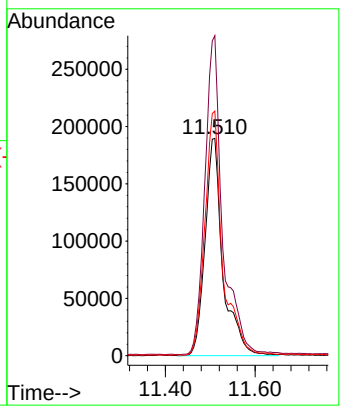
Tgt Ion:113 Resp: 52223

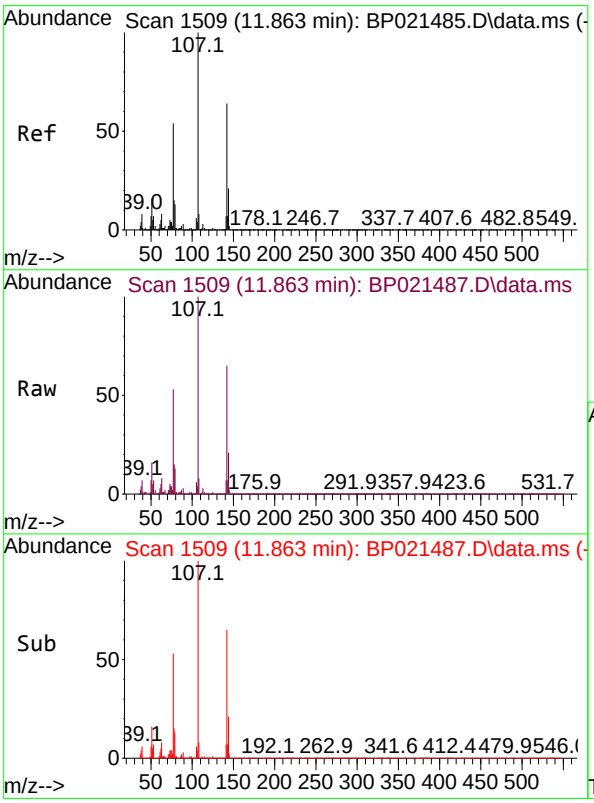
Ion	Ratio	Lower	Upper
113	100		
55	147.3	130.6	170.6
56	112.6	94.6	134.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

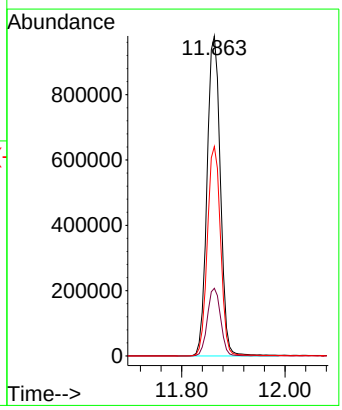


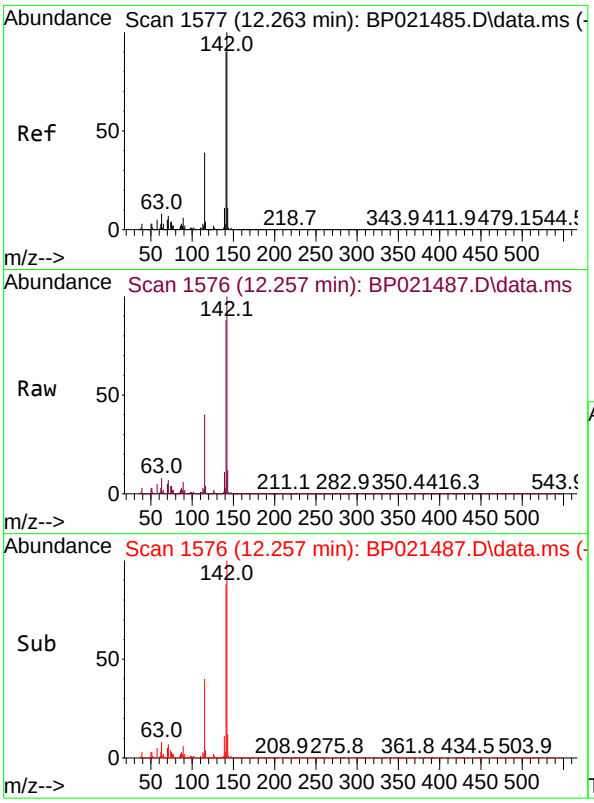


#36
4-Chloro-3-methylphenol
Concen: 61.283 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:107 Resp: 1746318

Ion	Ratio	Lower	Upper
107	100		
144	21.1	16.6	24.8
142	65.4	51.0	76.4

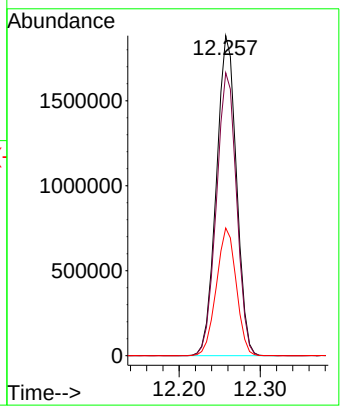




#37
2-Methylnaphthalene
Concen: 59.003 ng
RT: 12.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:142 Resp: 323804

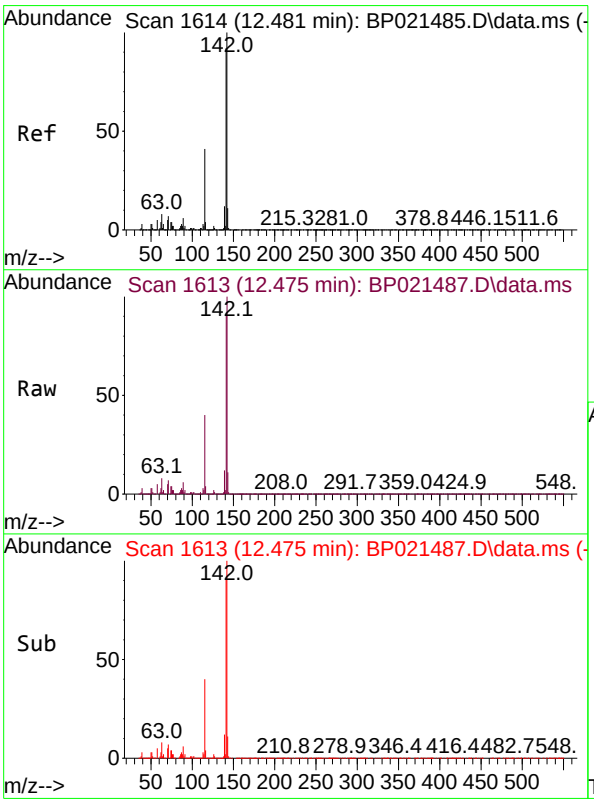
Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.7	107.5
115	39.9	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

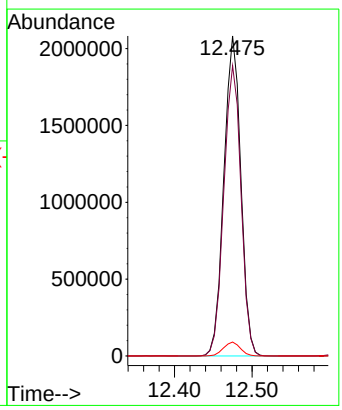
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

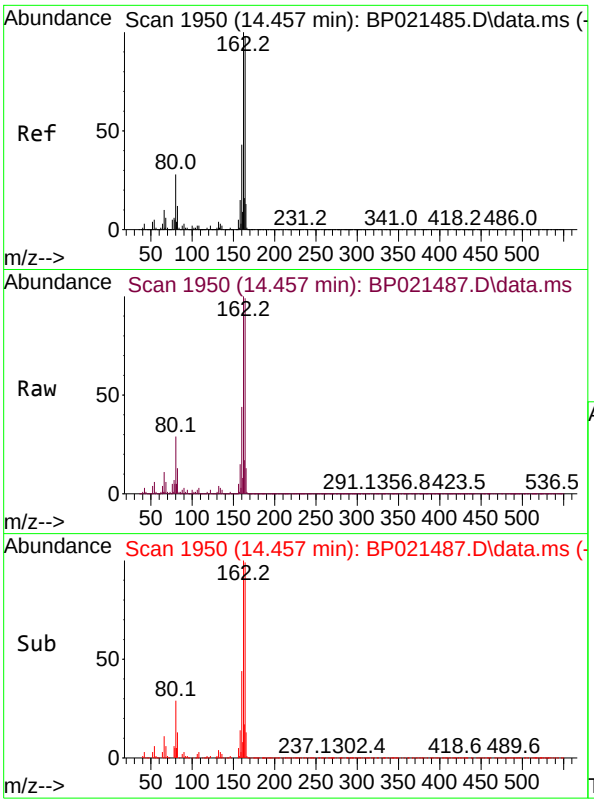


#38
1-Methylnaphthalene
Concen: 58.451 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:142 Resp: 3163697

Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.5	110.3
116	4.4	3.4	5.2

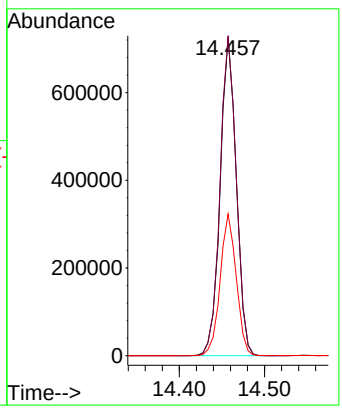




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:164 Resp: 95319

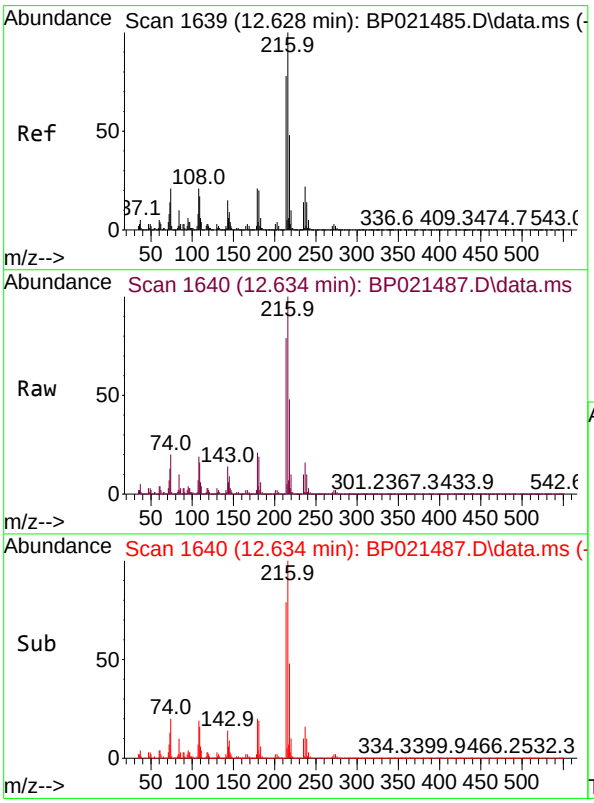
Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.5	122.3
160	44.6	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

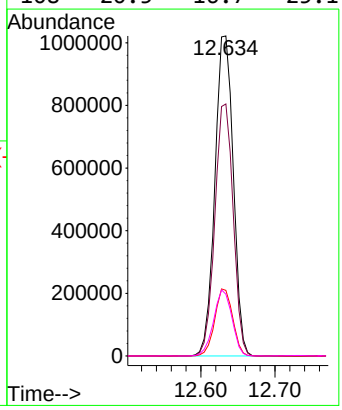
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

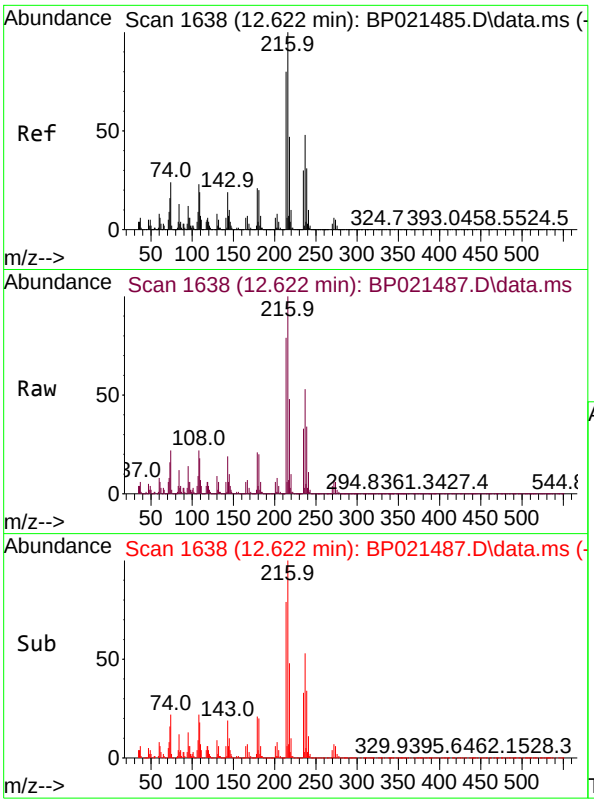


#40
1,2,4,5-Tetrachlorobenzene
Concen: 63.107 ng
RT: 12.634 min Scan# 1640
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:216 Resp: 1762492

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.5	93.7
179	20.4	16.4	24.6
108	20.5	16.7	25.1

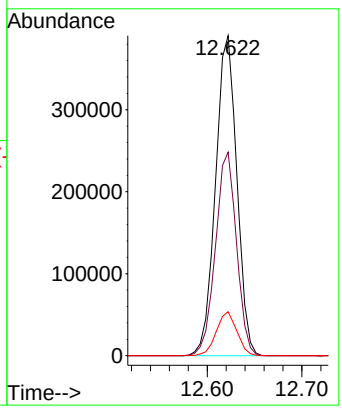




#41
Hexachlorocyclopentadiene
Concen: 69.006 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:237 Resp: 61082

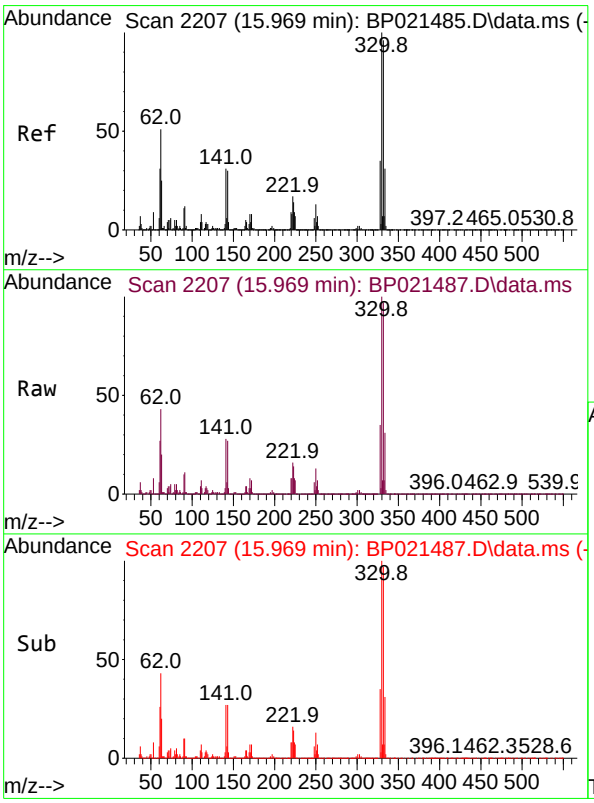
Ion	Ratio	Lower	Upper
237	100		
235	63.6	43.9	83.9
272	13.7	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

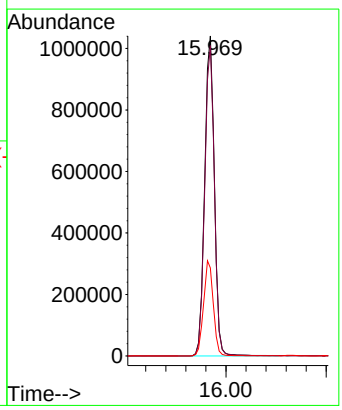
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

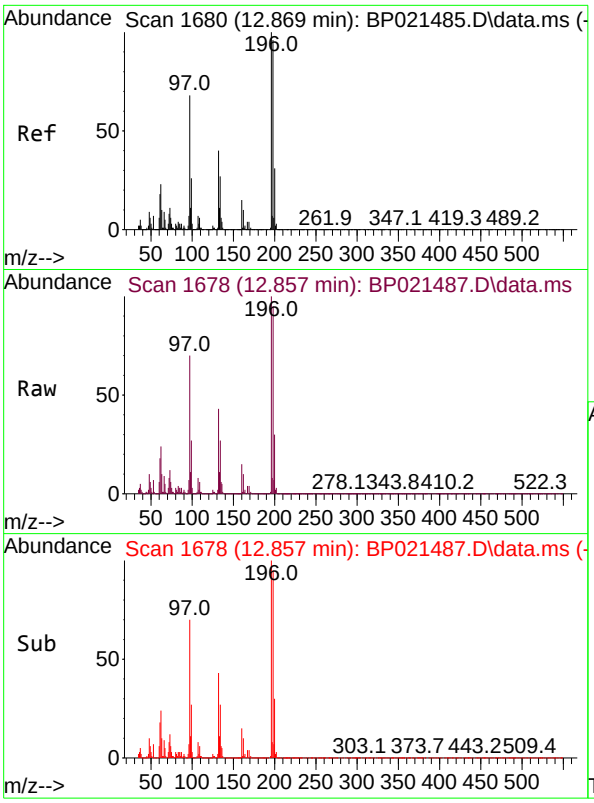


#42
2,4,6-Tribromophenol
Concen: 132.067 ng
RT: 15.969 min Scan# 2207
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:330 Resp: 1401053

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.0
141	29.9	24.5	36.7





#43
2,4,6-Trichlorophenol
Concen: 67.687 ng
RT: 12.857 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

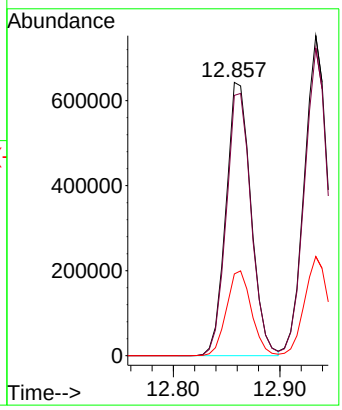
Tgt Ion:196 Resp: 105009

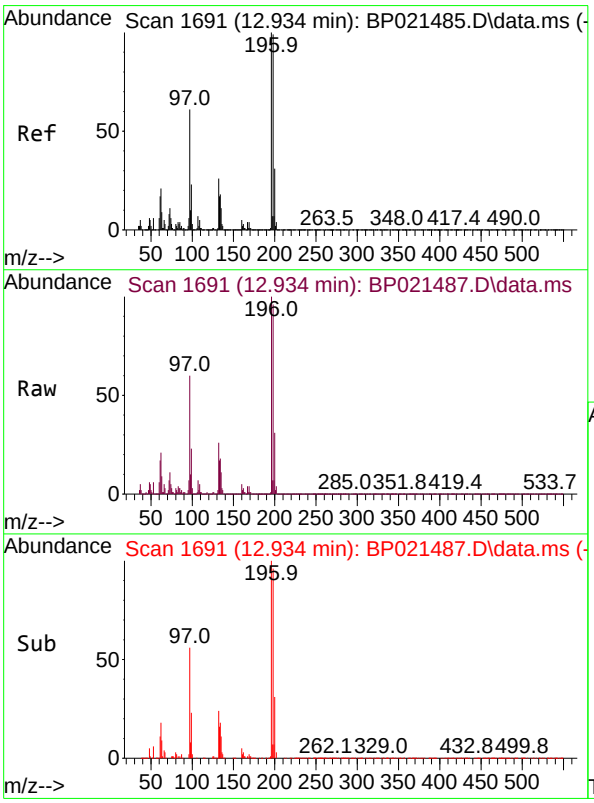
Ion	Ratio	Lower	Upper
196	100		
198	95.3	76.6	114.8
200	29.9	24.5	36.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

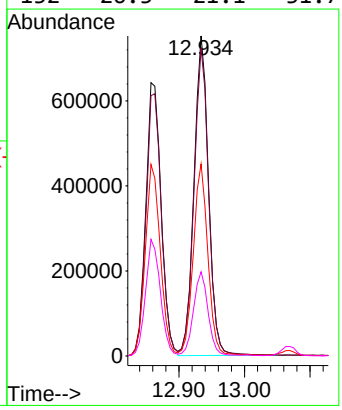


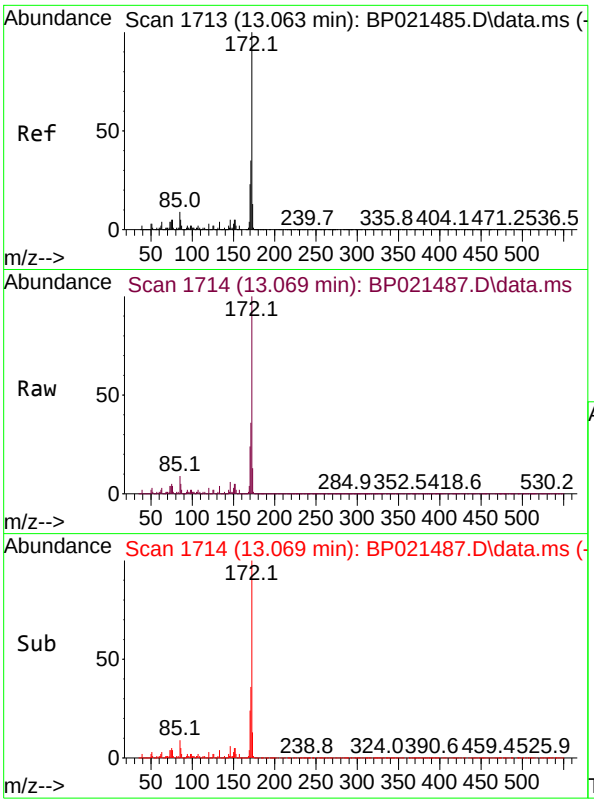


#44
2,4,5-Trichlorophenol
Concen: 67.609 ng
RT: 12.934 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:196 Resp: 1165351

Ion	Ratio	Lower	Upper
196	100		
198	96.1	78.9	118.3
97	60.0	49.4	74.0
132	26.3	21.1	31.7

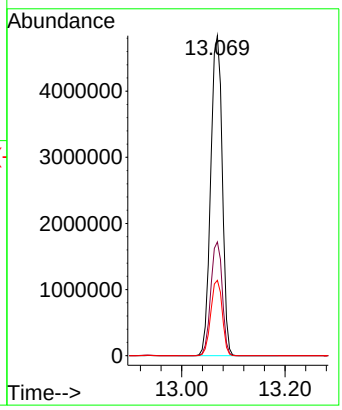




#45
2-Fluorobiphenyl
Concen: 119.833 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:172 Resp: 748443

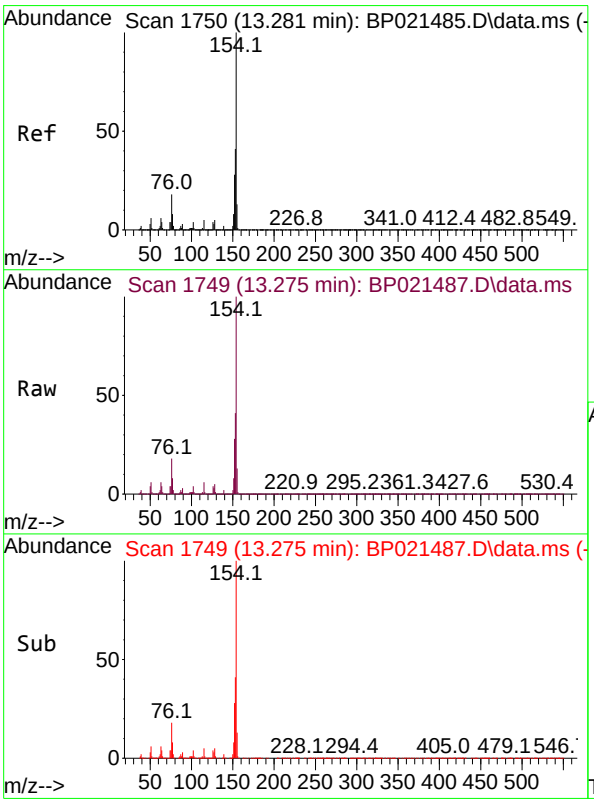
Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.4
170	23.5	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

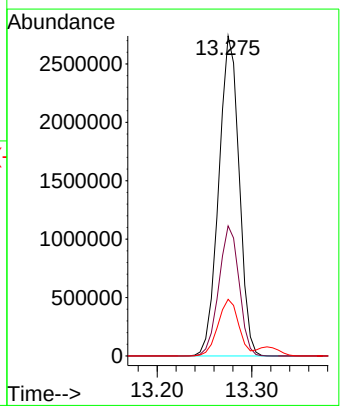
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

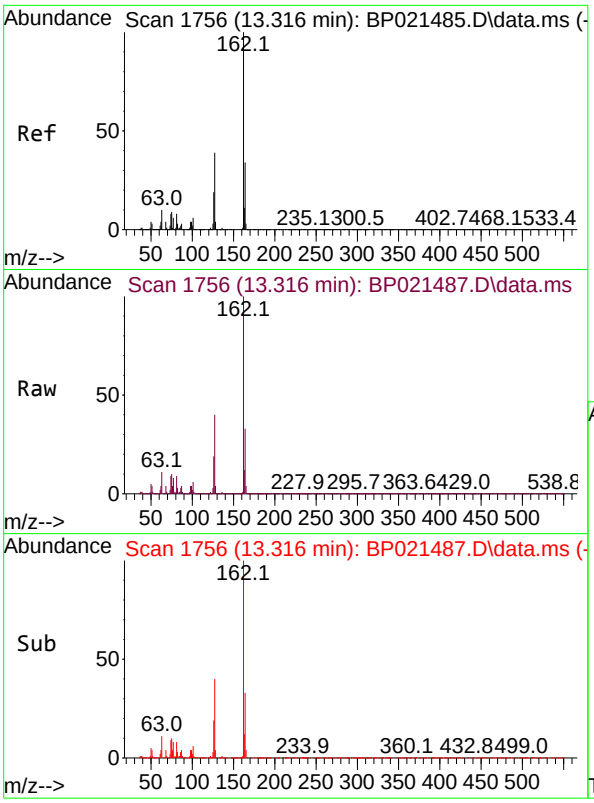


#46
1,1'-Biphenyl
Concen: 60.754 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:154 Resp: 4097218

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.7	60.7
76	17.7	0.0	37.7

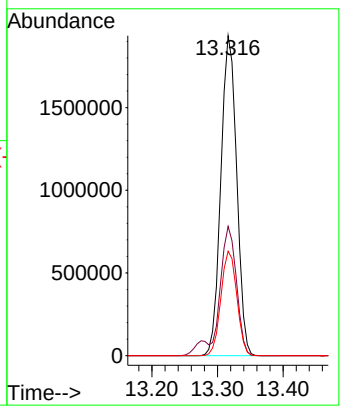




#47
2-Chloronaphthalene
Concen: 61.498 ng
RT: 13.316 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:162 Resp: 322886

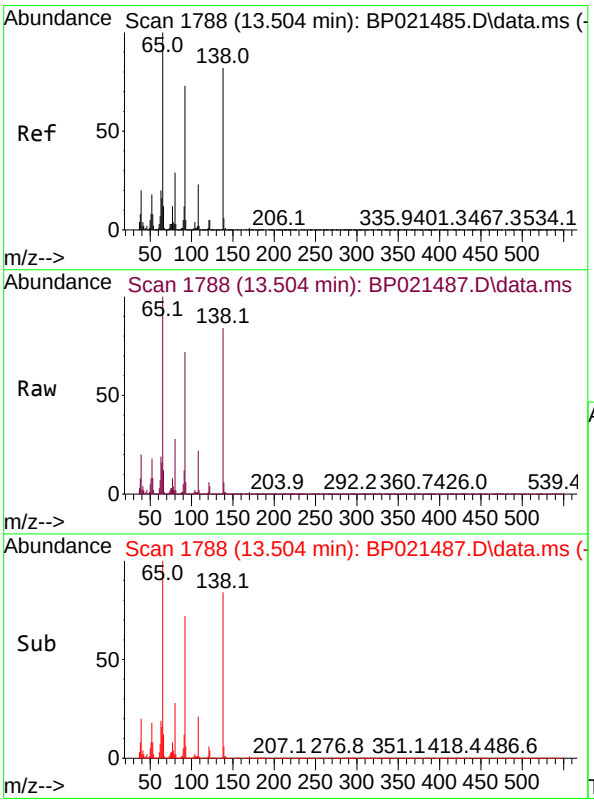
Ion	Ratio	Lower	Upper
162	100		
127	40.4	31.9	47.9
164	32.7	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

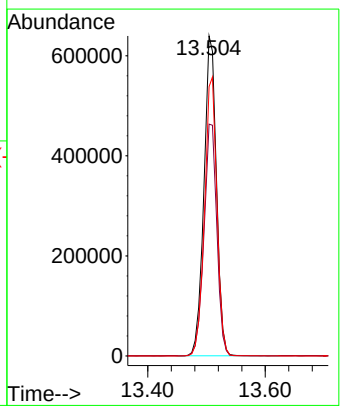
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

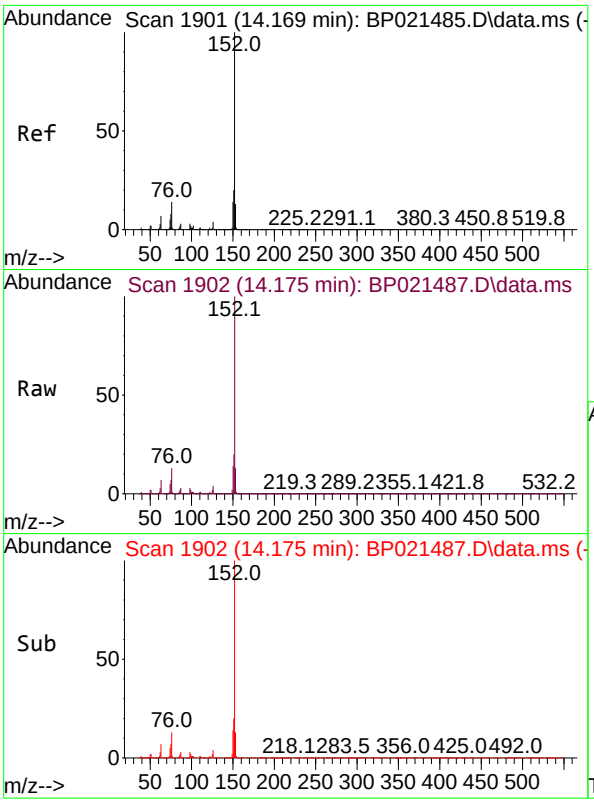


#48
2-Nitroaniline
Concen: 62.204 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 65 Resp: 940456

Ion	Ratio	Lower	Upper
65	100		
92	72.4	58.1	87.1
138	84.1	65.5	98.3

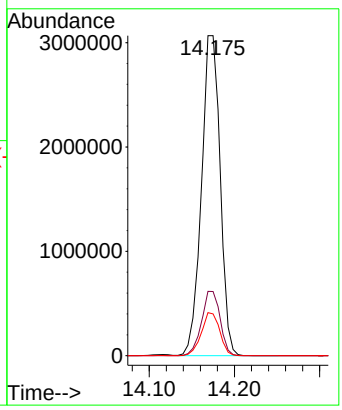




#49
Acenaphthylene
Concen: 60.501 ng
RT: 14.175 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:152 Resp: 466964

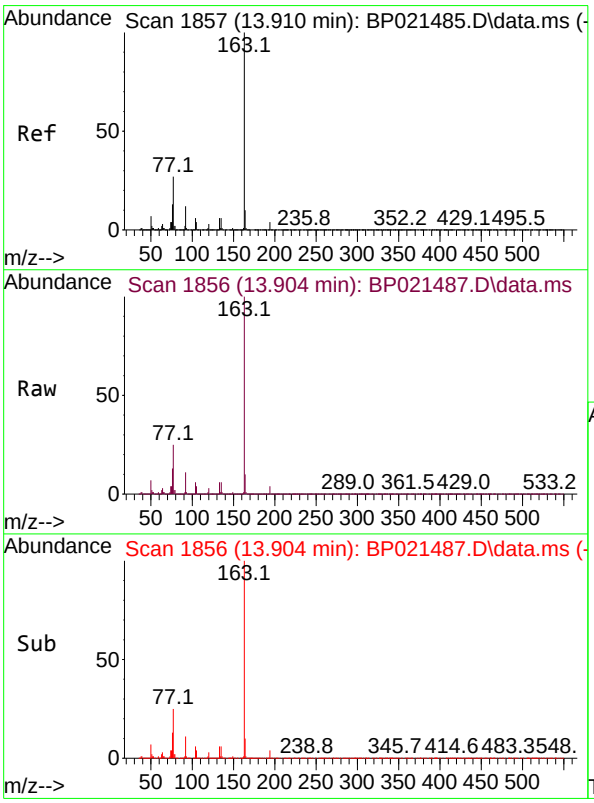
Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.1	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

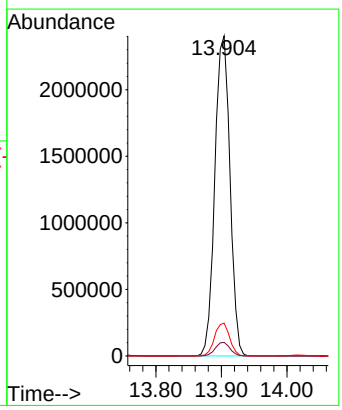
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

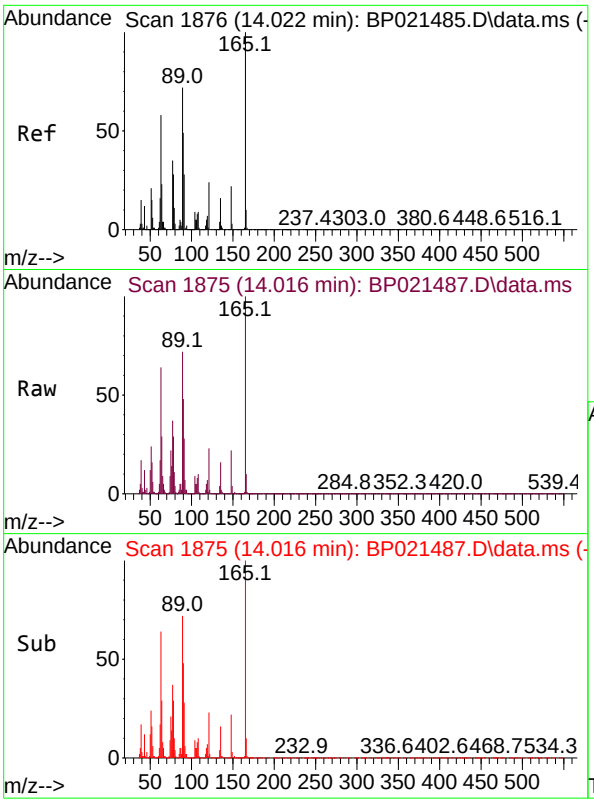


#50
Dimethylphthalate
Concen: 60.041 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:163 Resp: 3832687

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.2	8.3	12.5

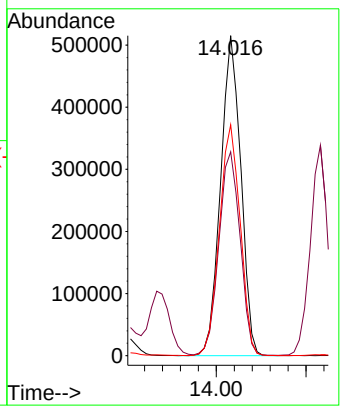




#51
2,6-Dinitrotoluene
Concen: 61.336 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:165 Resp: 80545

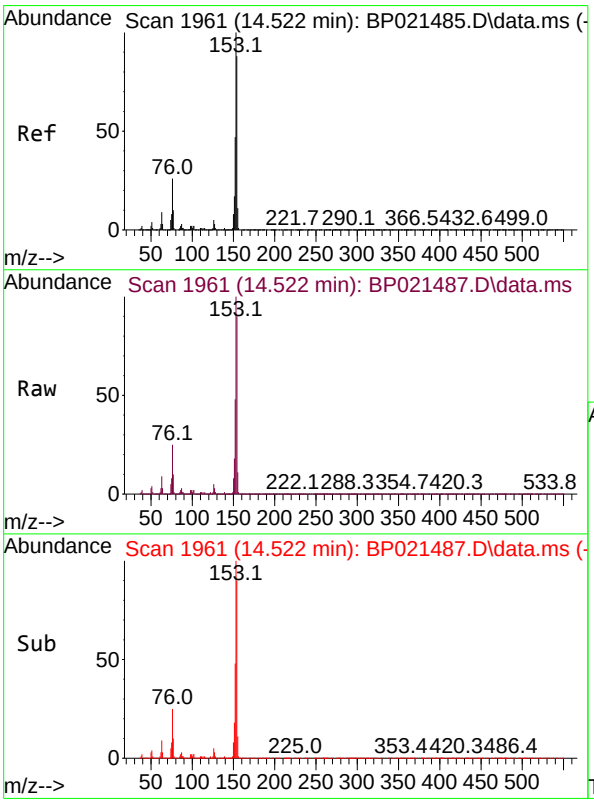
Ion	Ratio	Lower	Upper
165	100		
63	63.7	51.5	77.3
89	72.1	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

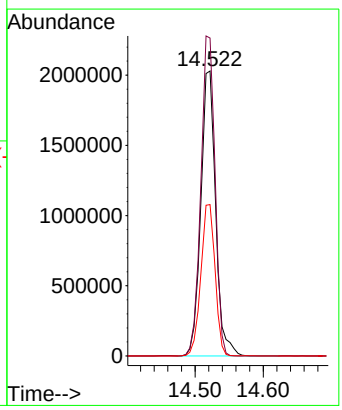
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

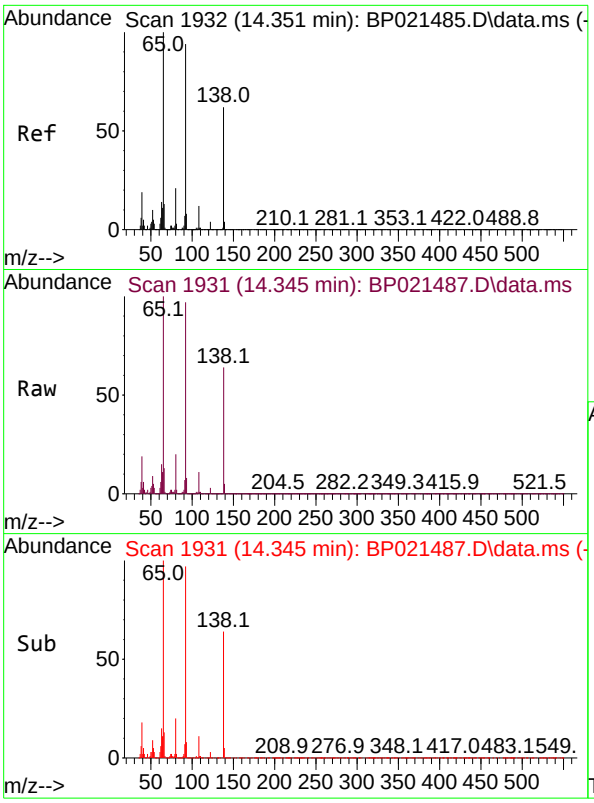


#52
Acenaphthene
Concen: 60.546 ng
RT: 14.522 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:154 Resp: 3066208

Ion	Ratio	Lower	Upper
154	100		
153	111.6	91.1	136.7
152	53.1	43.0	64.4





#53
3-Nitroaniline
Concen: 61.781 ng
RT: 14.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

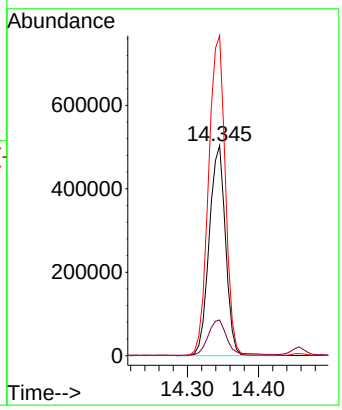
Tgt Ion:138 Resp: 79790

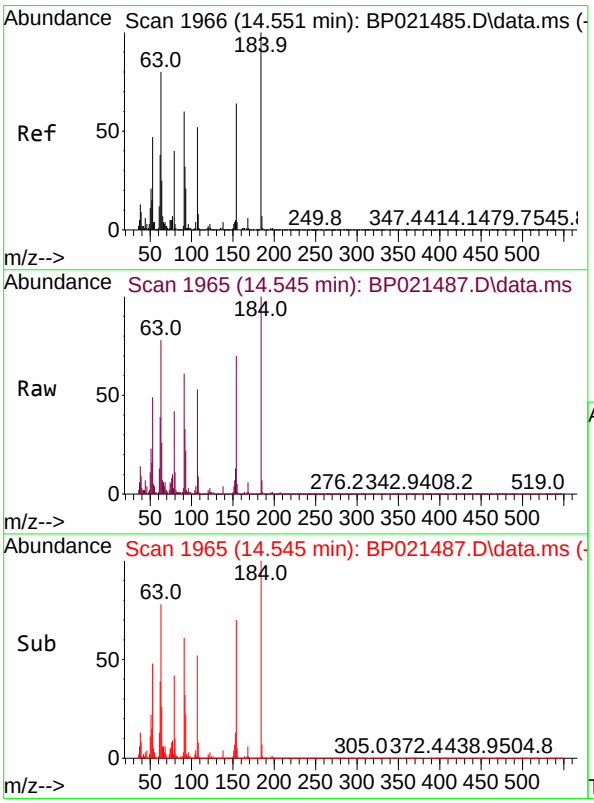
Ion	Ratio	Lower	Upper
138	100		
108	17.0	16.2	24.4
92	152.3	122.2	183.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

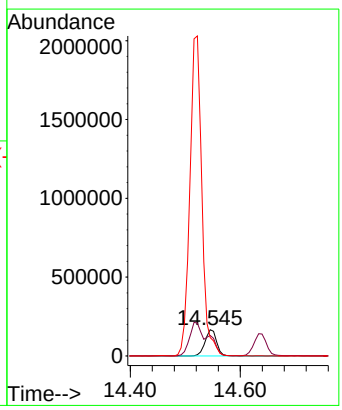


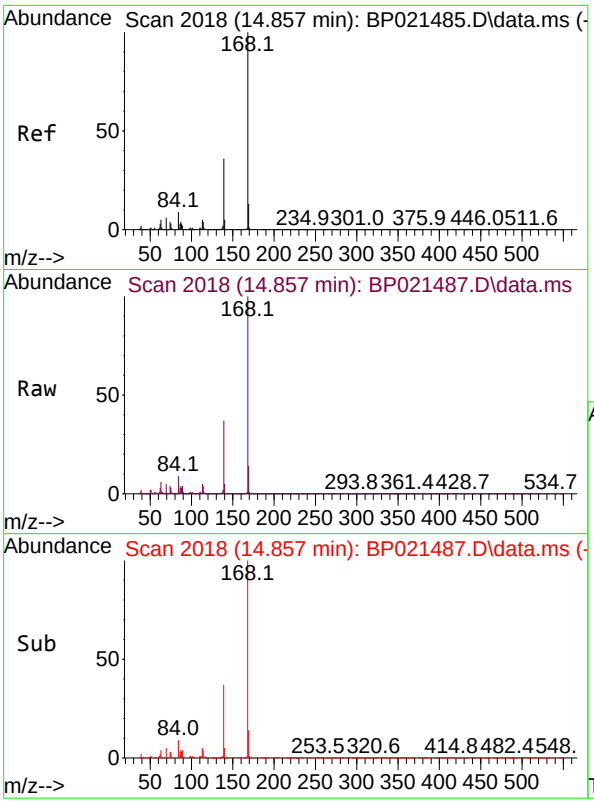


#54
2,4-Dinitrophenol
Concen: 61.764 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:184 Resp: 242951

Ion	Ratio	Lower	Upper
184	100		
63	77.9	64.9	97.3
154	70.2	52.1	78.1

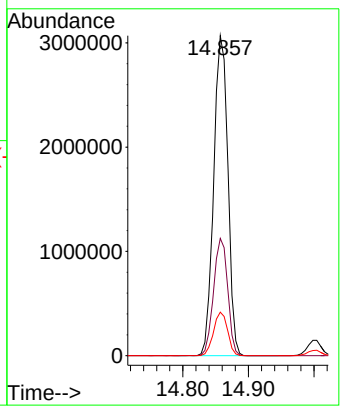




#55
Dibenzofuran
Concen: 58.970 ng
RT: 14.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:168 Resp: 459408

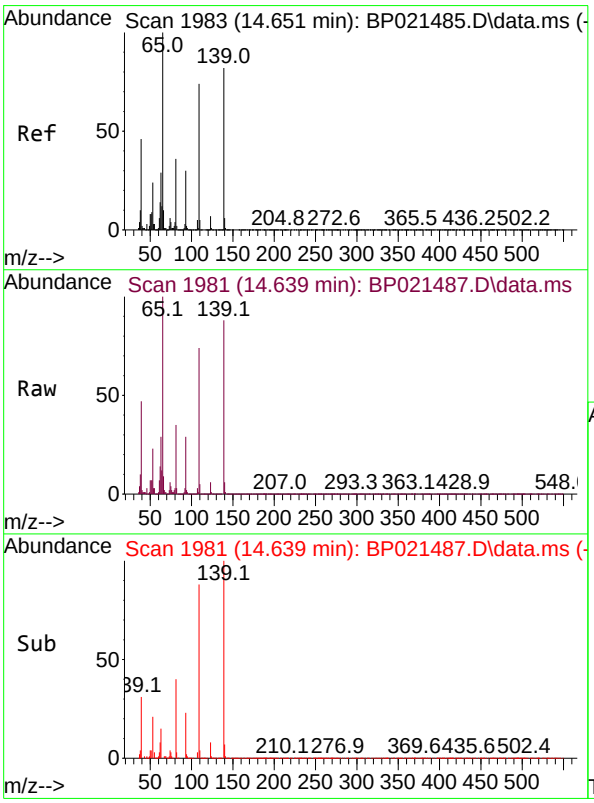
Ion	Ratio	Lower	Upper
168	100		
139	36.7	28.6	43.0
169	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

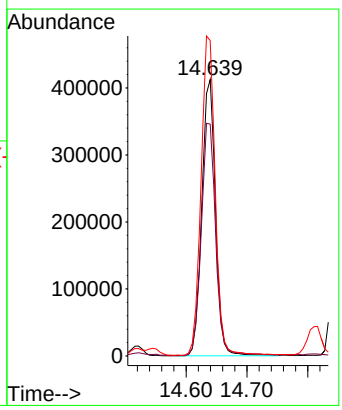
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

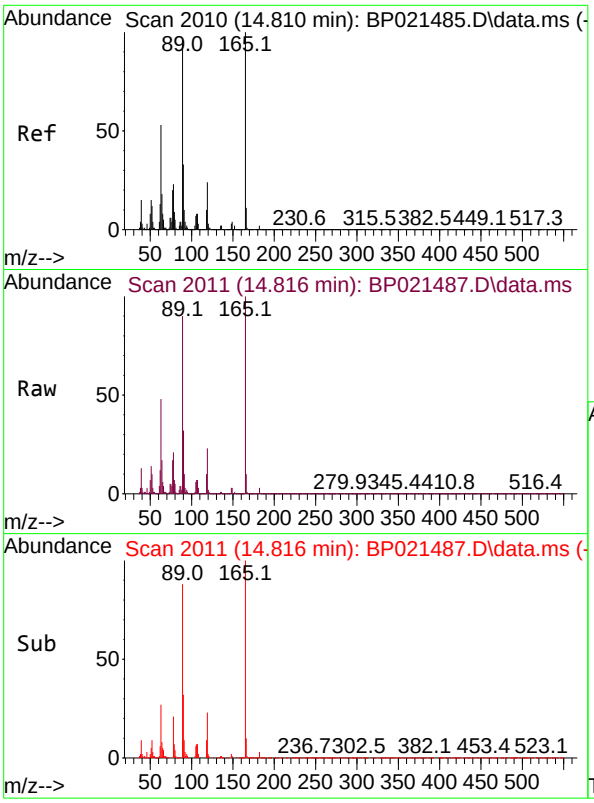


#56
4-Nitrophenol
Concen: 62.066 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:139 Resp: 644221

Ion	Ratio	Lower	Upper
139	100		
109	83.8	70.2	110.2
65	114.0	101.8	141.8

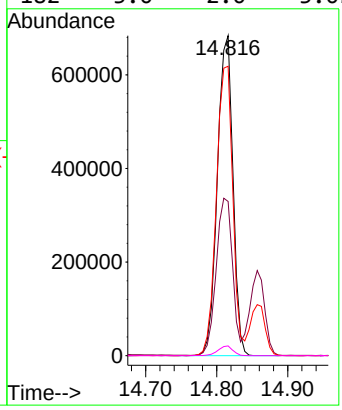




#57
2,4-Dinitrotoluene
Concen: 61.548 ng
RT: 14.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:165 Resp: 103406

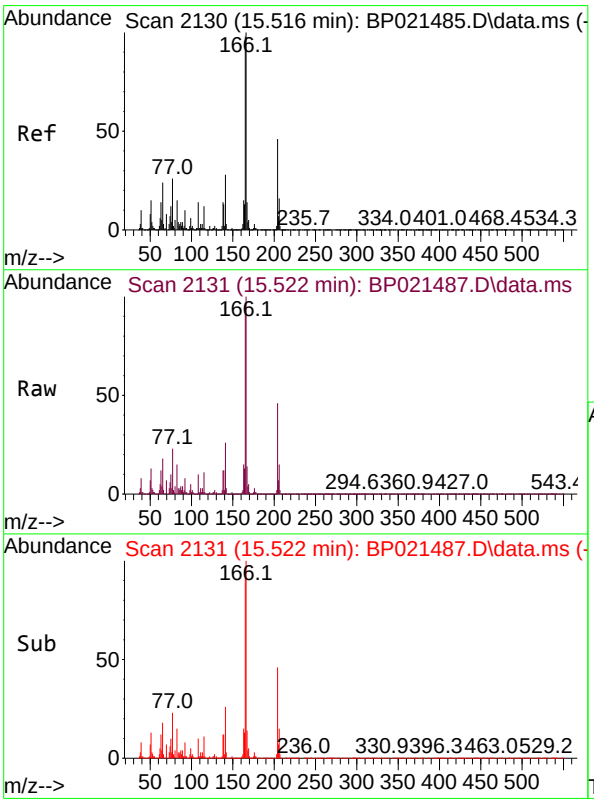
Ion	Ratio	Lower	Upper
165	100		
63	48.2	42.5	63.7
89	90.5	77.1	115.7
182	3.0	2.0	3.0#



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

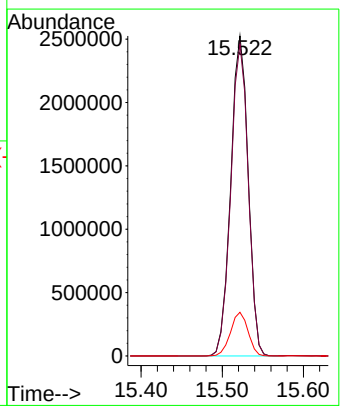
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

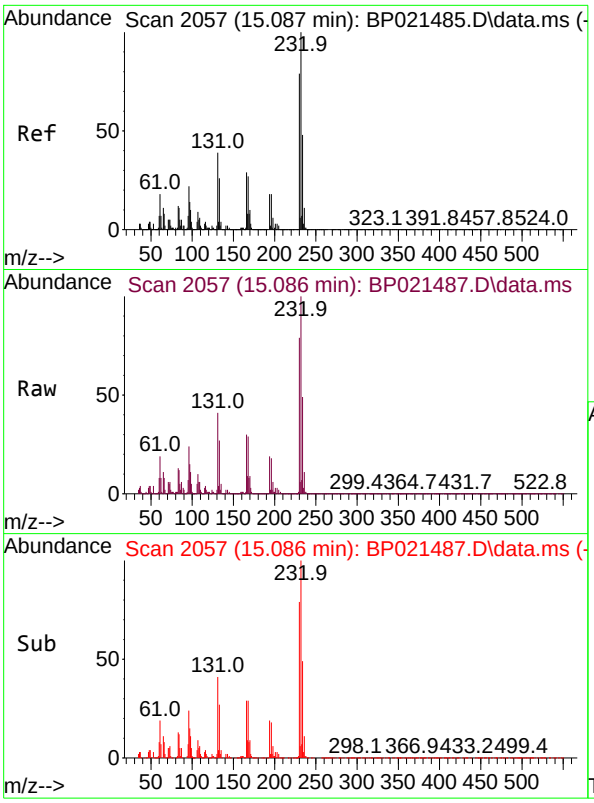


#58
Fluorene
Concen: 58.748 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:166 Resp: 3759913

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.1	117.1
167	13.6	11.0	16.4

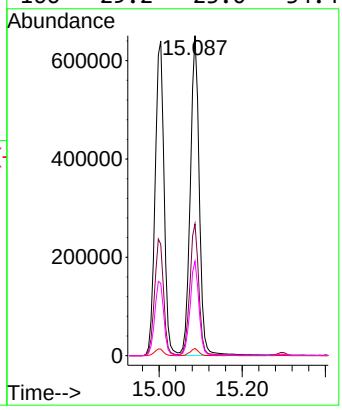




#59
2,3,4,6-Tetrachlorophenol
Concen: 66.550 ng
RT: 15.086 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:232 Resp: 97364

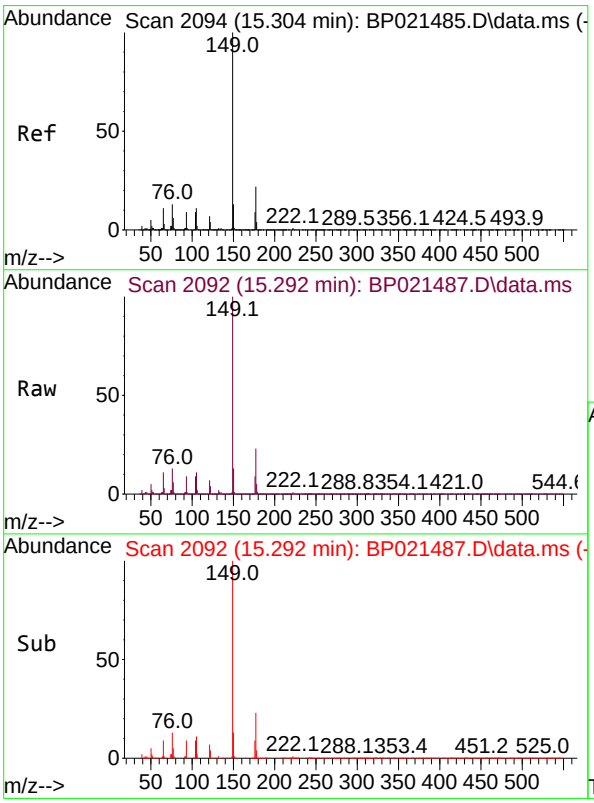
Ion	Ratio	Lower	Upper
232	100		
131	41.0	33.1	49.7
130	2.2	1.7	2.5
166	29.2	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

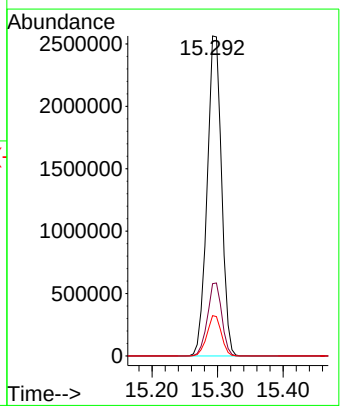
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

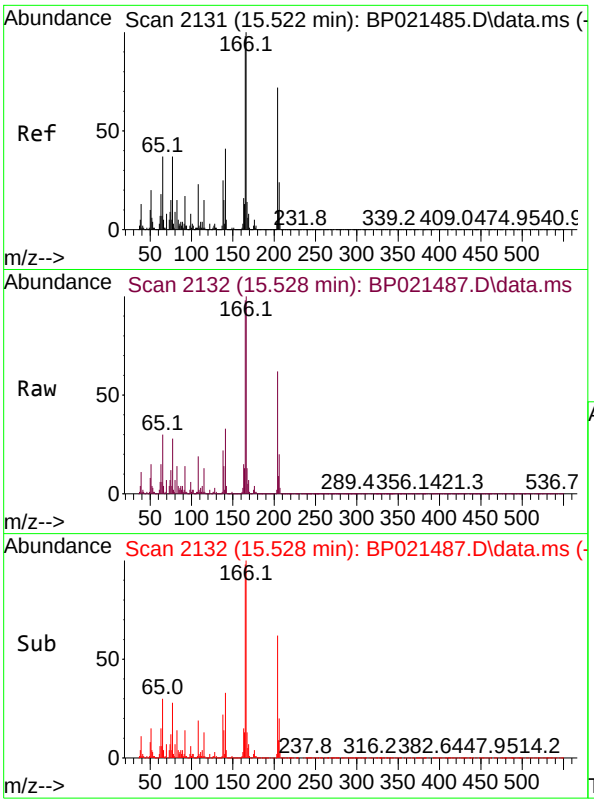


#60
Diethylphthalate
Concen: 59.713 ng
RT: 15.292 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:149 Resp: 3911032

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.8	26.8
150	12.6	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 58.814 ng
RT: 15.528 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

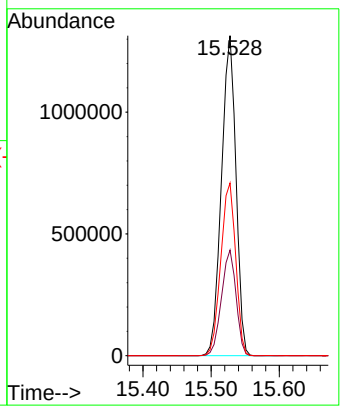
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

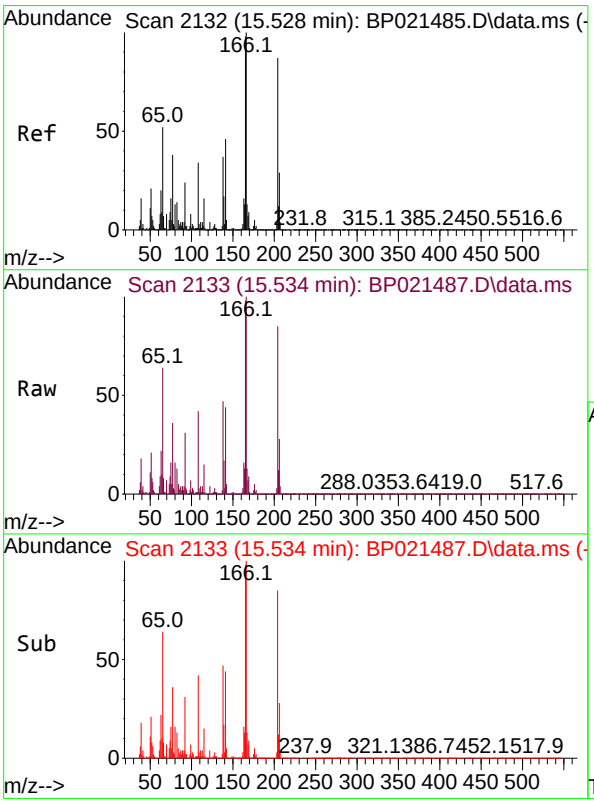
Tgt Ion:204 Resp: 194571

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	53.9	46.1	69.1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

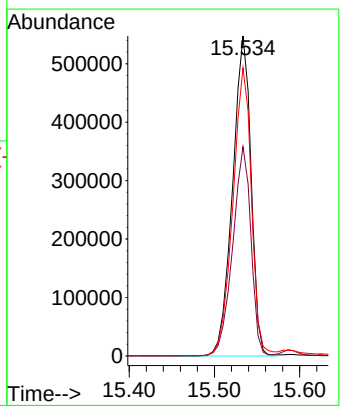


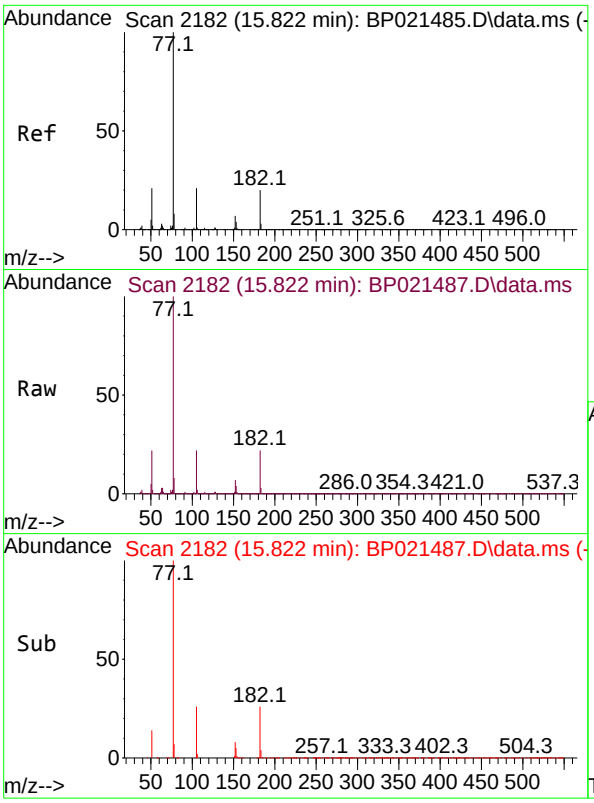


#62
4-Nitroaniline
Concen: 62.407 ng
RT: 15.534 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:138 Resp: 824354

Ion	Ratio	Lower	Upper
138	100		
92	65.4	46.4	86.4
108	90.0	73.2	113.2

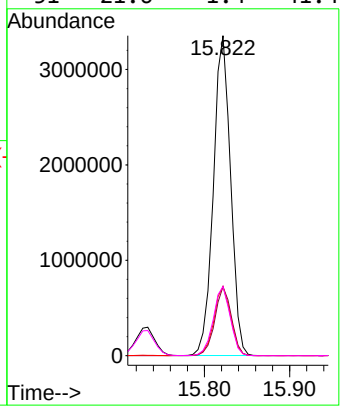




#63
Azobenzene
Concen: 58.524 ng
RT: 15.822 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 77 Resp: 471182

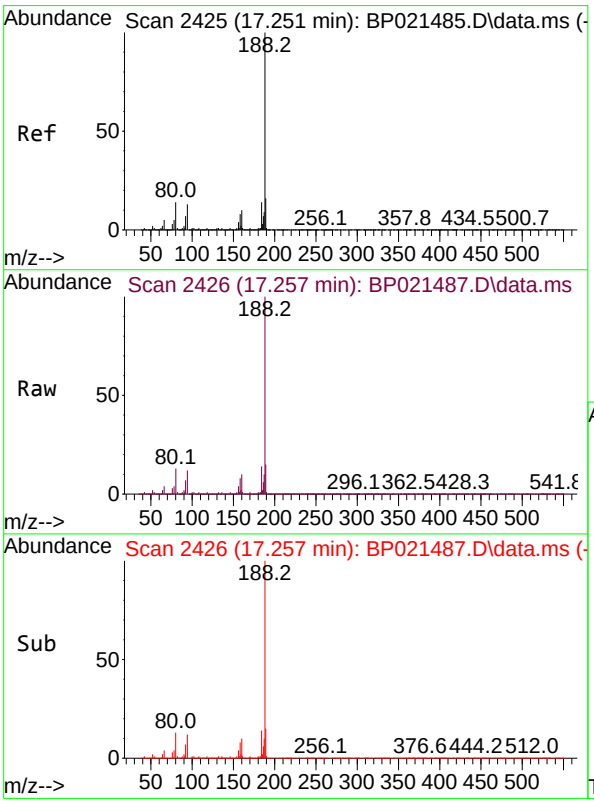
Ion	Ratio	Lower	Upper
77	100		
182	21.5	0.0	39.9
105	21.6	0.9	40.9
51	21.6	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

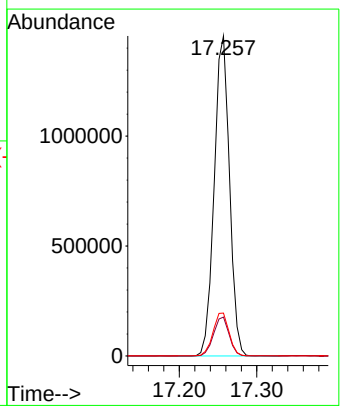
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

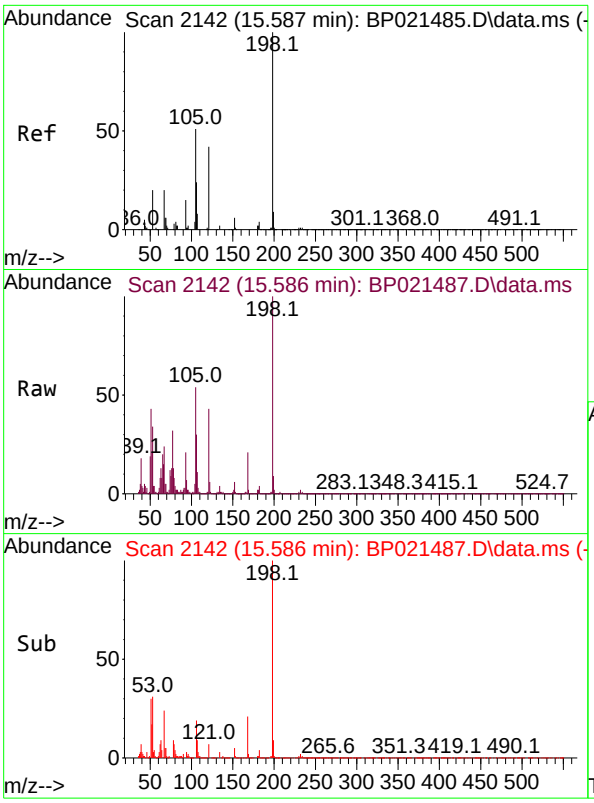


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:188 Resp: 1991489

Ion	Ratio	Lower	Upper
188	100		
94	12.1	10.2	15.4
80	13.4	11.6	17.4





#65
4,6-Dinitro-2-methylphenol
Concen: 61.846 ng
RT: 15.586 min Scan# 21
Delta R.T. -0.001 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

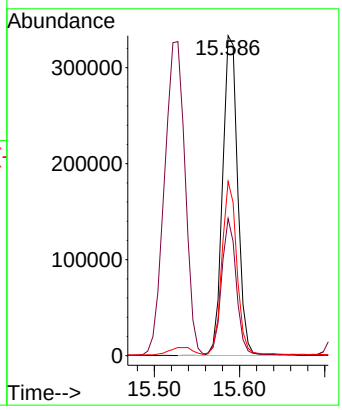
Tgt Ion:198 Resp: 41009

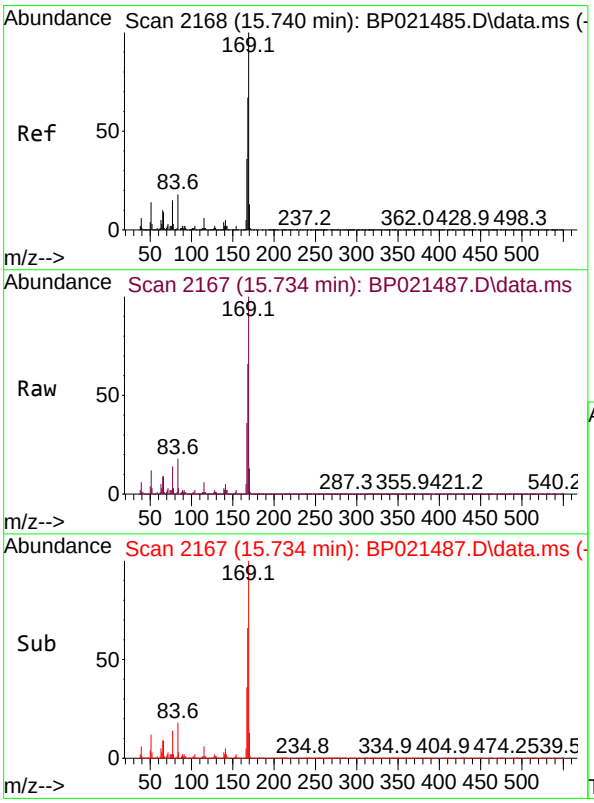
Ion	Ratio	Lower	Upper
198	100		
51	42.9	21.5	61.5
105	54.5	32.9	72.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

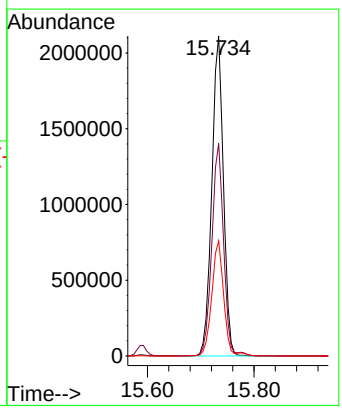


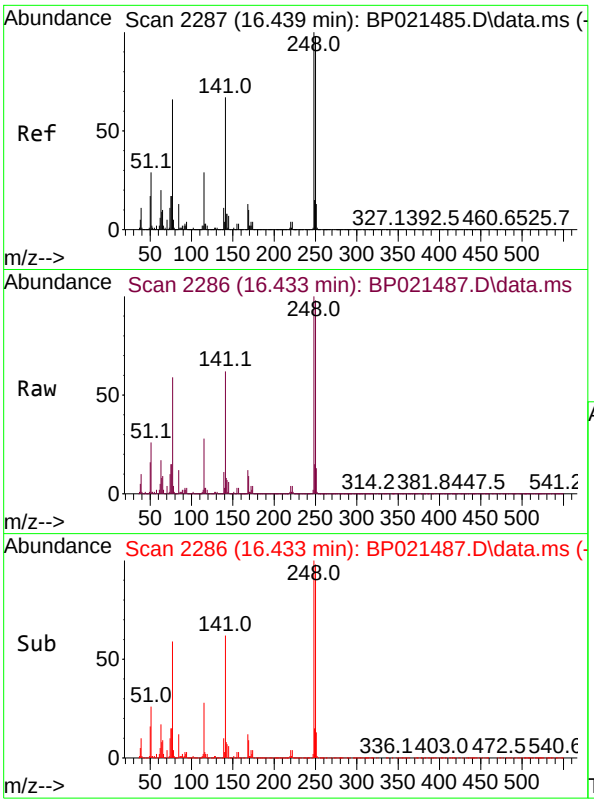


#66
n-Nitrosodiphenylamine
Concen: 59.821 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:169 Resp: 3192615

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.4	80.2
167	36.0	28.7	43.1

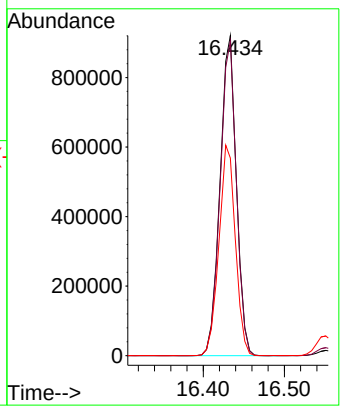




#67
4-Bromophenyl-phenylether
Concen: 61.016 ng
RT: 16.433 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:248 Resp: 128604

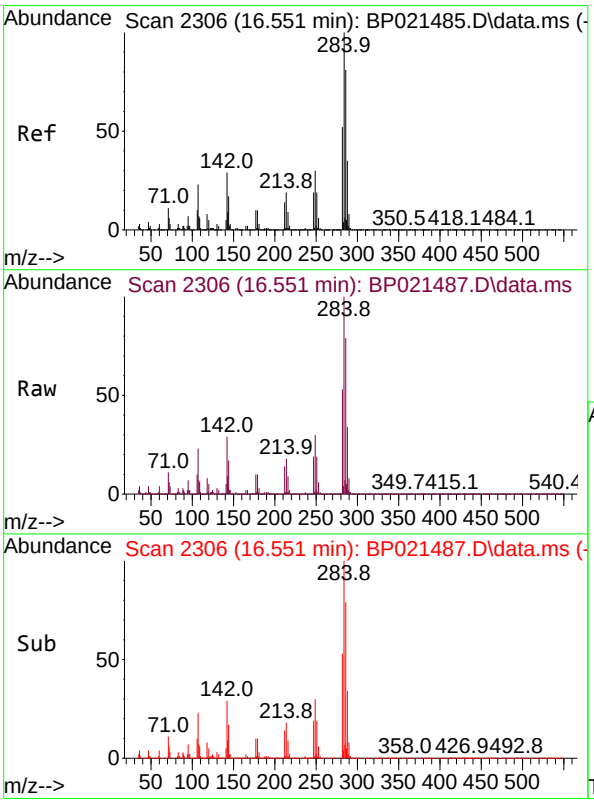
Ion	Ratio	Lower	Upper
248	100		
250	98.4	78.6	117.8
141	61.7	53.9	80.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

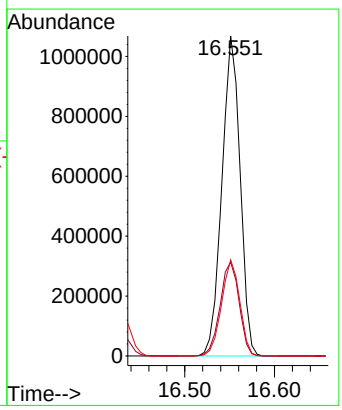
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

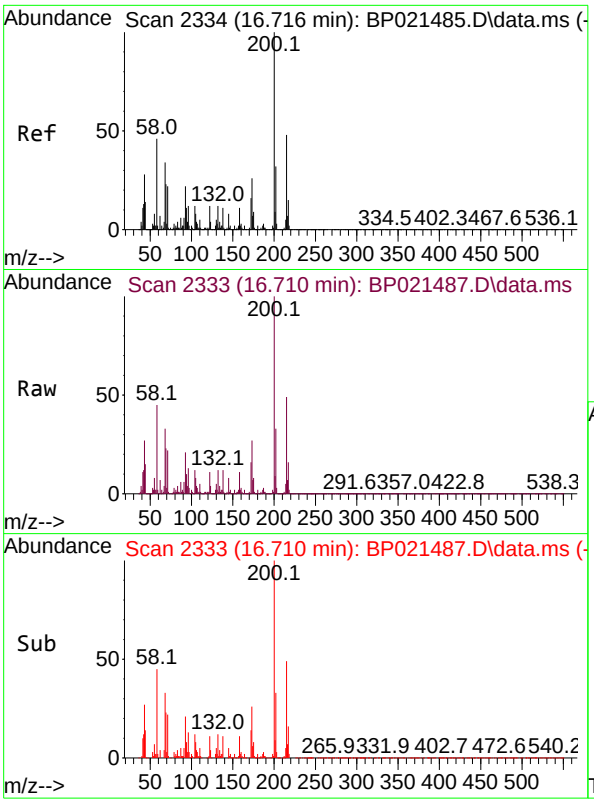


#68
Hexachlorobenzene
Concen: 60.456 ng
RT: 16.551 min Scan# 2306
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:284 Resp: 1505847

Ion	Ratio	Lower	Upper
284	100		
142	29.3	23.4	35.2
249	30.1	24.1	36.1

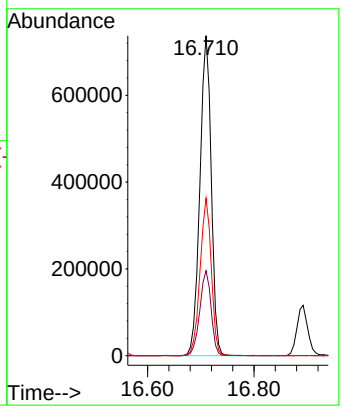




#69
Atrazine
Concen: 59.397 ng
RT: 16.710 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:200 Resp: 108834

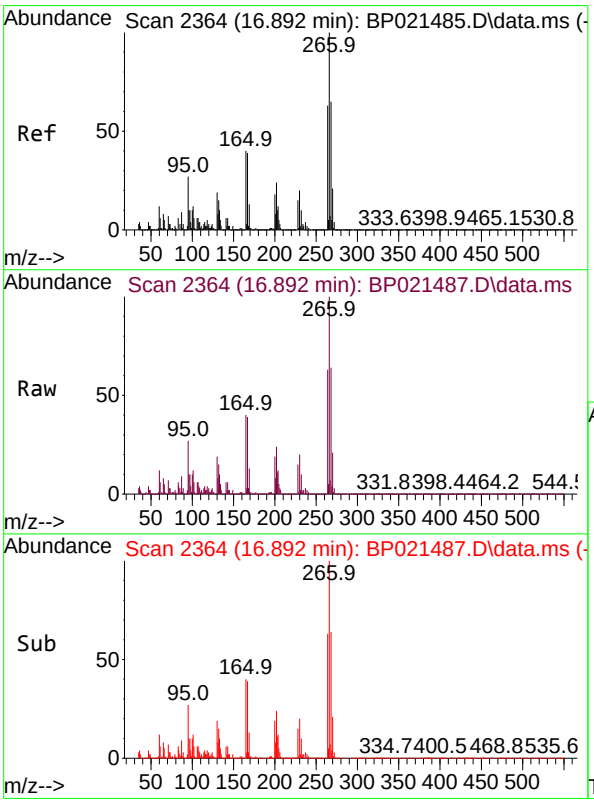
Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.2	46.2
215	49.2	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

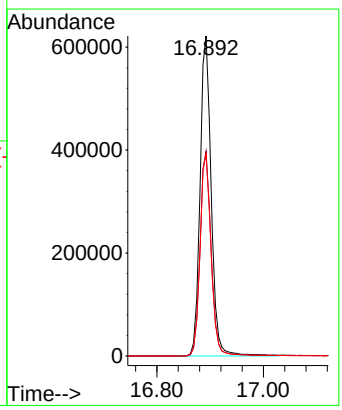
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

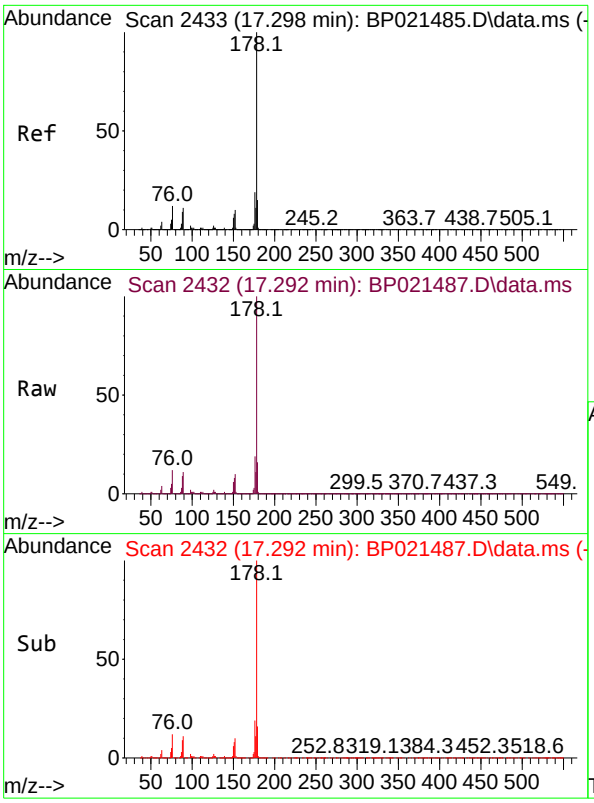


#70
Pentachlorophenol
Concen: 66.192 ng
RT: 16.892 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:266 Resp: 899879

Ion	Ratio	Lower	Upper
266	100		
268	63.9	51.8	77.6
264	63.1	50.5	75.7





#71
Phenanthrene
Concen: 59.366 ng
RT: 17.292 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

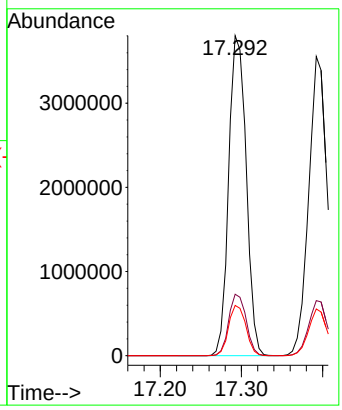
Tgt Ion:178 Resp: 568578

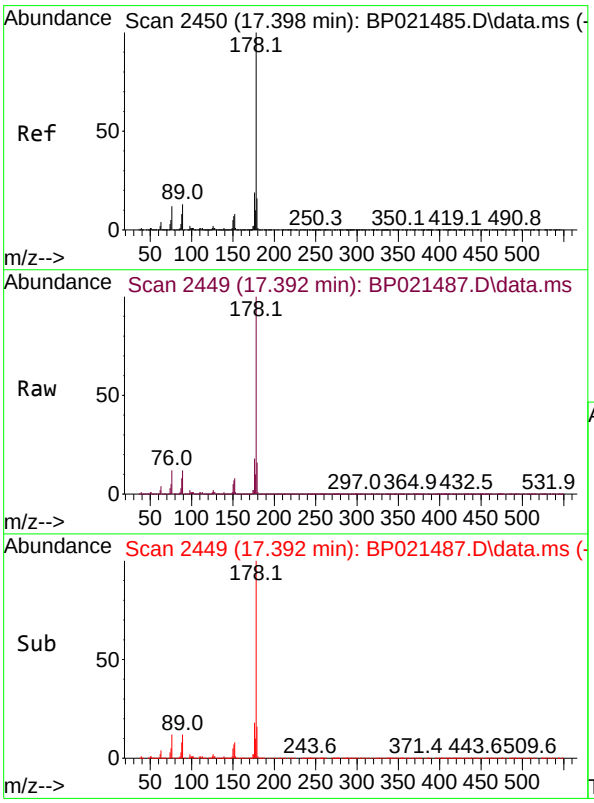
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.7	12.4	18.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

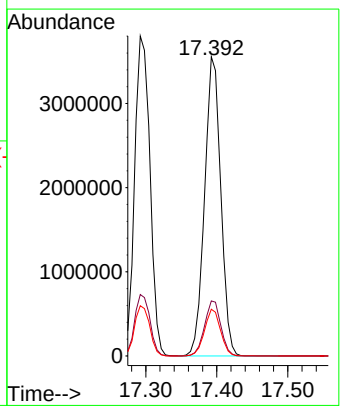


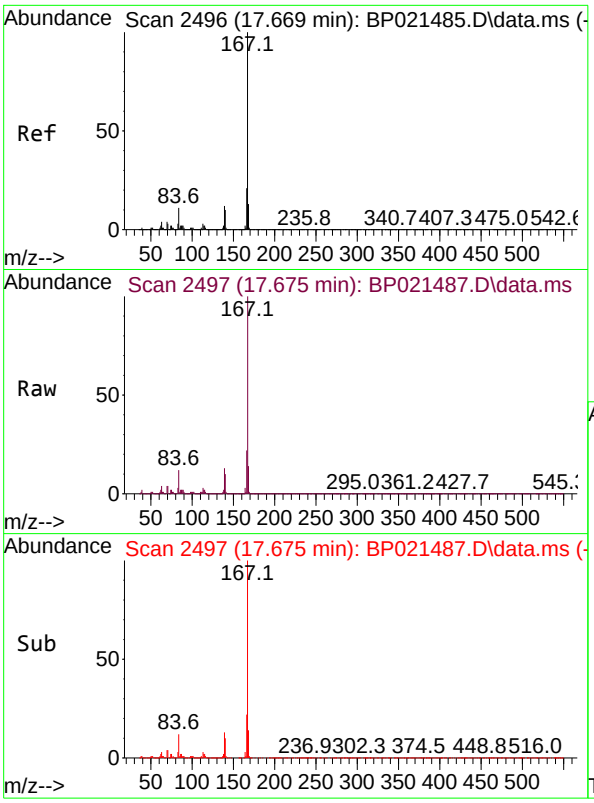


#72
Anthracene
Concen: 60.013 ng
RT: 17.392 min Scan# 2449
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:178 Resp: 5636907

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.9	22.3
179	15.6	12.5	18.7

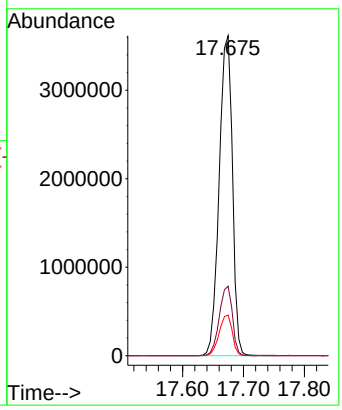




#73
Carbazole
Concen: 60.260 ng
RT: 17.675 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:167 Resp: 545482

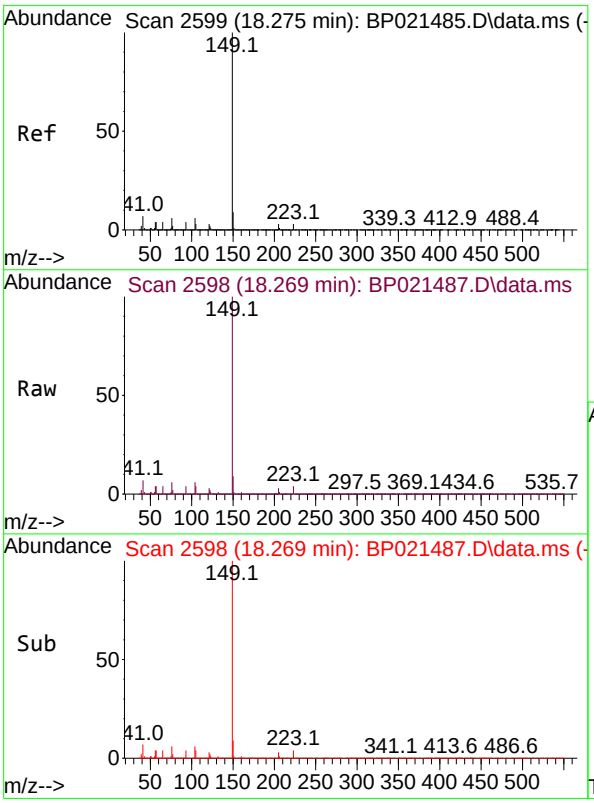
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.4
139	12.7	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

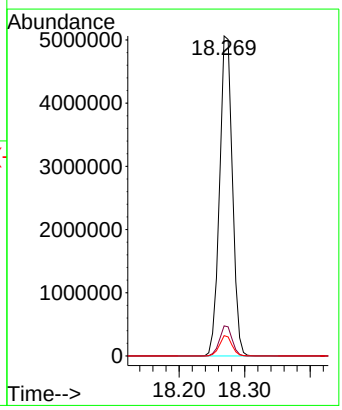
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

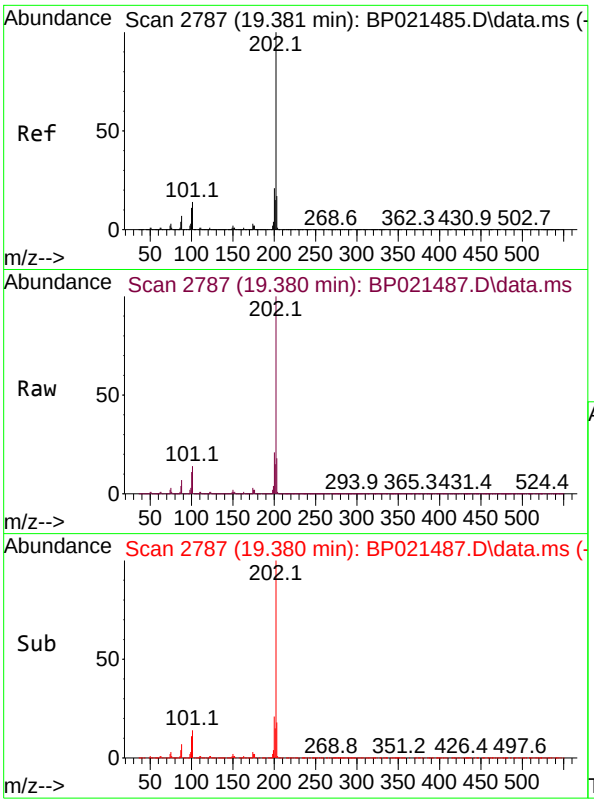


#74
Di-n-butylphthalate
Concen: 61.477 ng
RT: 18.269 min Scan# 2598
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:149 Resp: 6834417

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	6.4	4.9	7.3

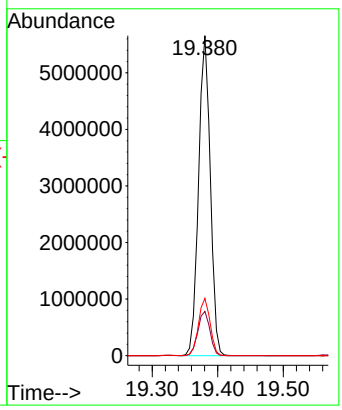




#75
Fluoranthene
Concen: 59.949 ng
RT: 19.380 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:202 Resp: 704490

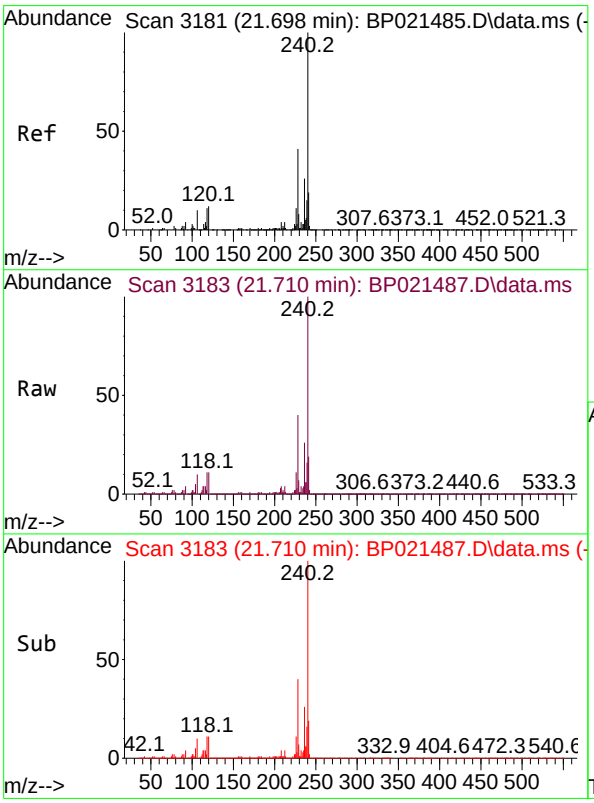
Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.0
203	17.9	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

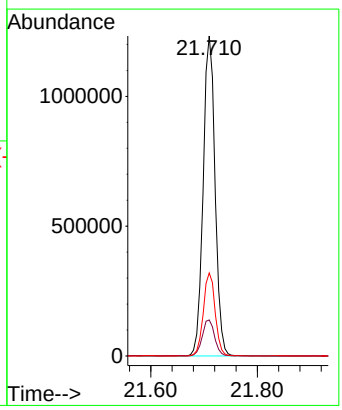
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

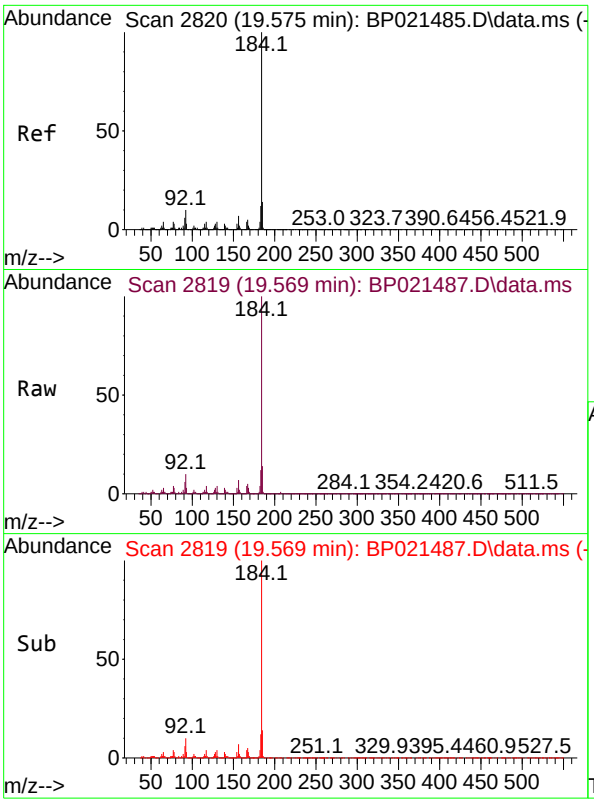


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.710 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:240 Resp: 1907005

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.9	14.9
236	26.0	20.6	30.8

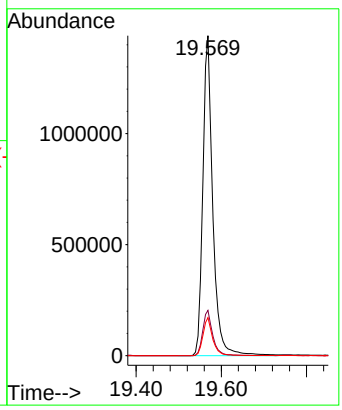




#77
Benzidine
Concen: 54.599 ng
RT: 19.569 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:184 Resp: 233483

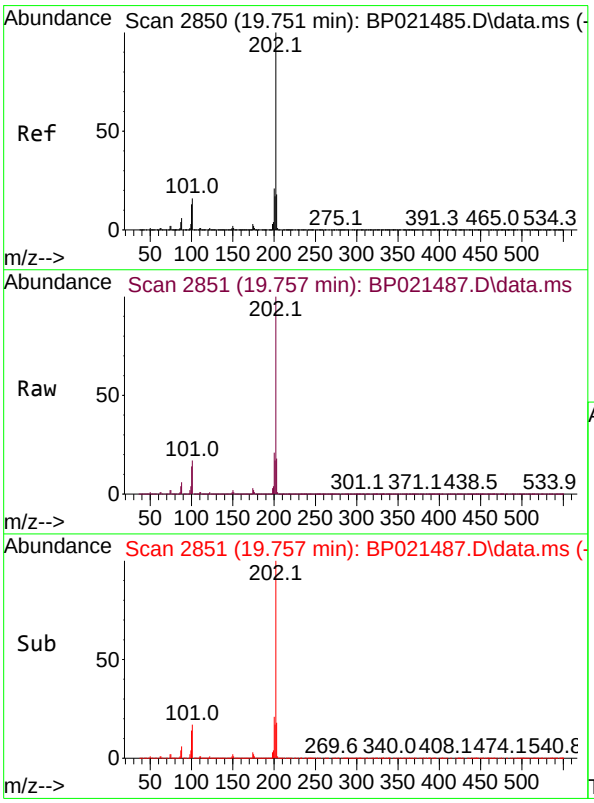
Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.0
183	11.9	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

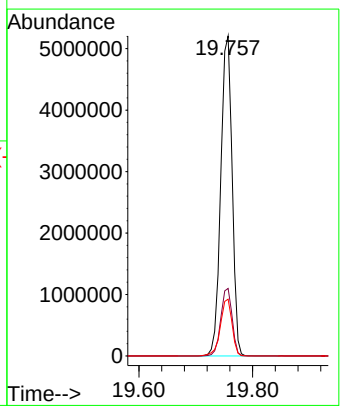
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

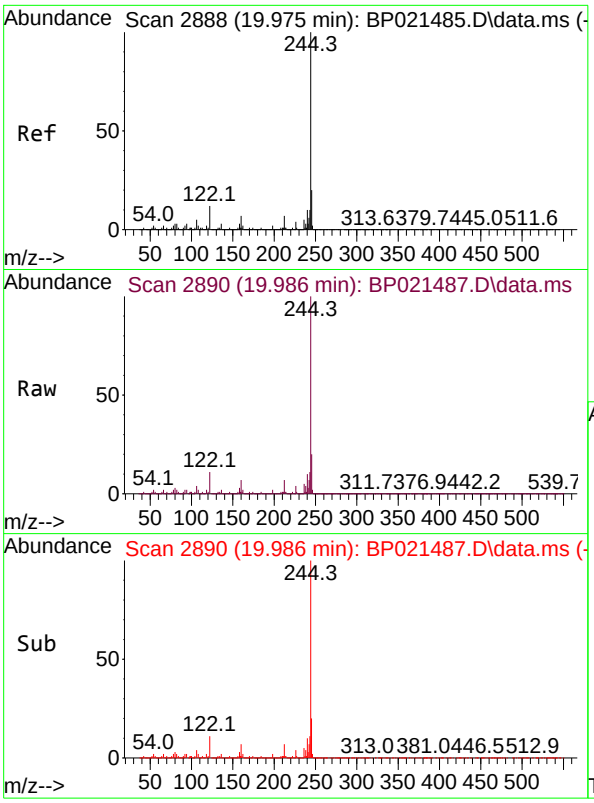


#78
Pyrene
Concen: 58.277 ng
RT: 19.757 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:202 Resp: 7263907

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.7	14.1	21.1

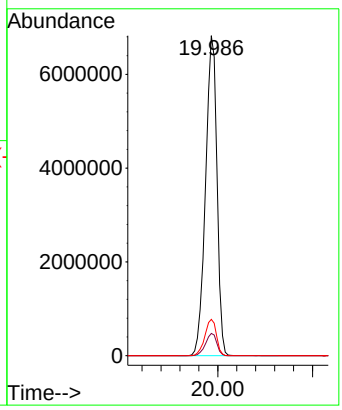




#79
Terphenyl-d14
Concen: 115.877 ng
RT: 19.986 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:244 Resp:1137462

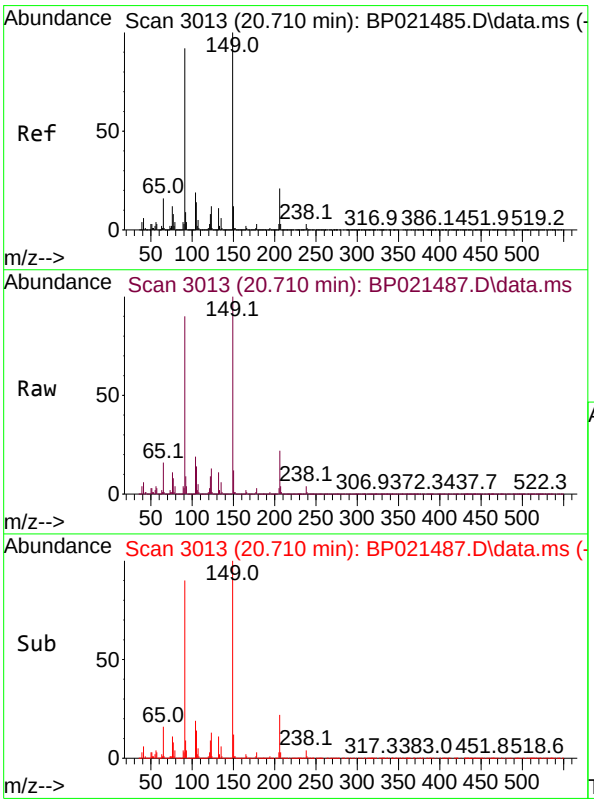
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.3	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

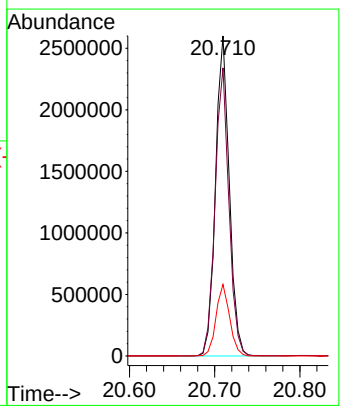
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

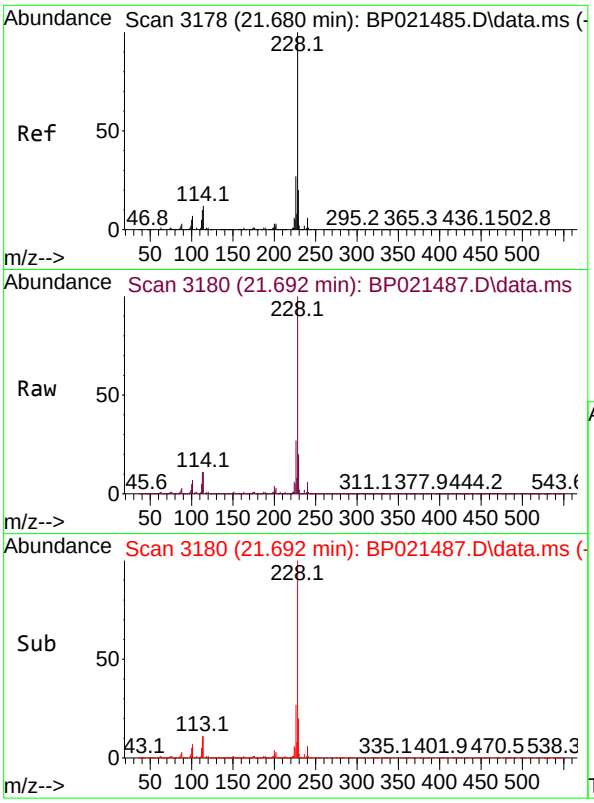


#80
Butylbenzylphthalate
Concen: 60.438 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:149 Resp: 2906885

Ion	Ratio	Lower	Upper
149	100		
91	90.1	73.3	109.9
206	22.3	17.1	25.7





#81
Benzo(a)anthracene
Concen: 59.472 ng
RT: 21.692 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

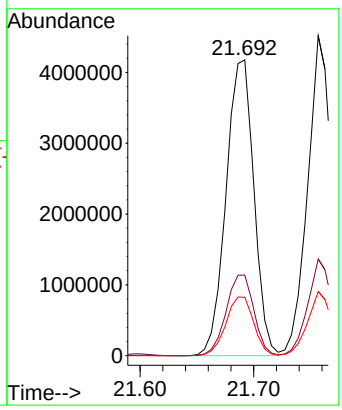
Tgt Ion:228 Resp: 711965

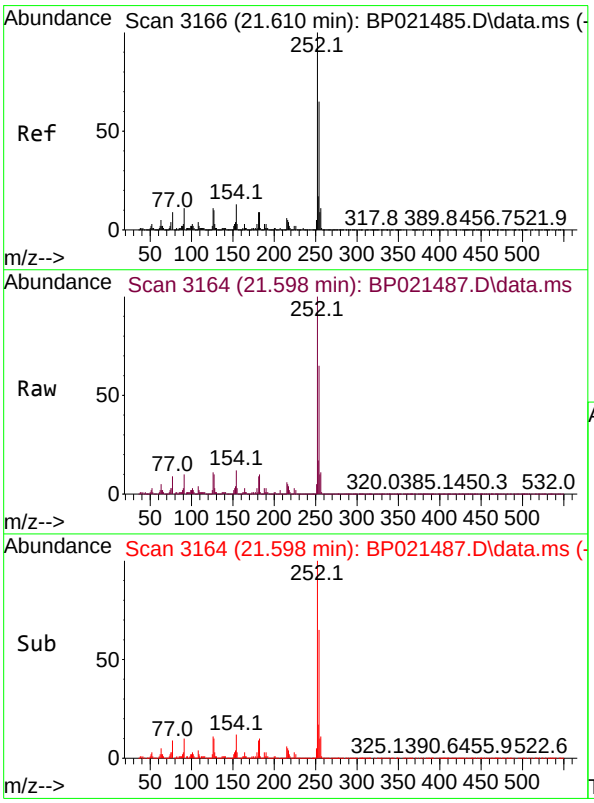
Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.2
229	19.8	15.8	23.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

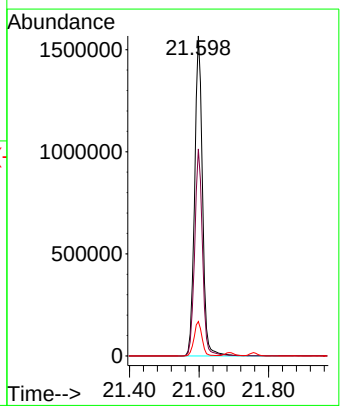


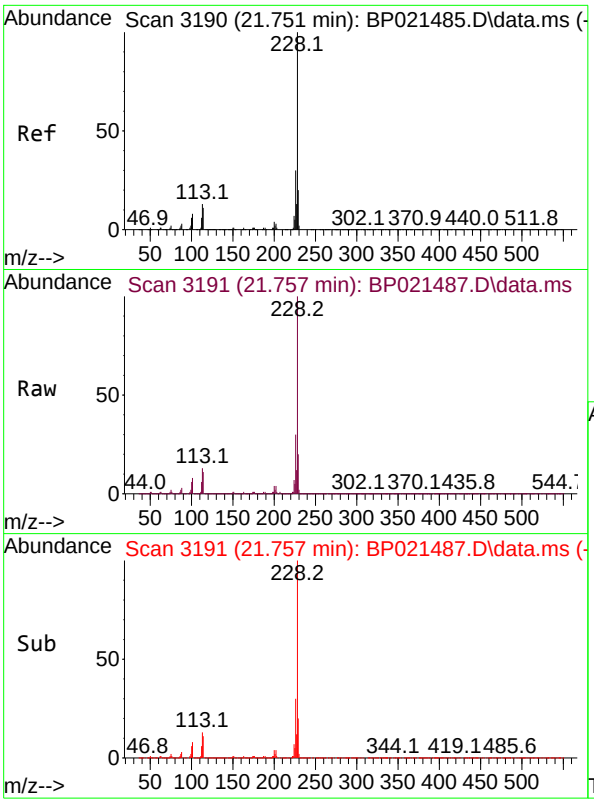


#82
3,3'-Dichlorobenzidine
Concen: 63.969 ng
RT: 21.598 min Scan# 3164
Delta R.T. -0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:252 Resp: 2455338

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.7	77.5
126	10.8	8.7	13.1





#83
Chrysene
Concen: 59.831 ng
RT: 21.757 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

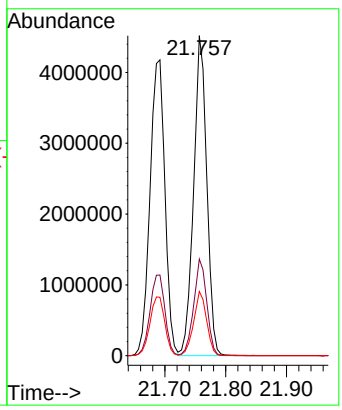
Tgt Ion:228 Resp: 676256

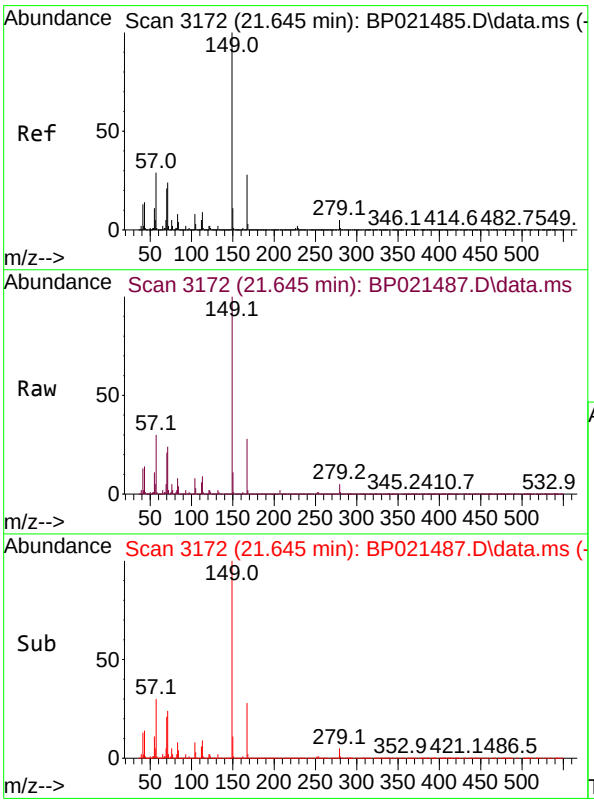
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	20.1	15.8	23.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

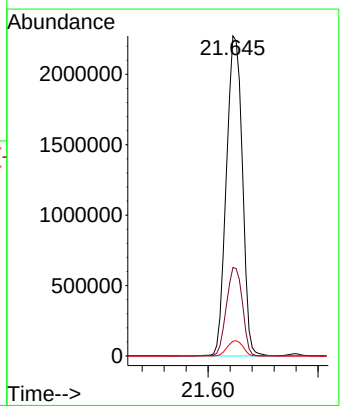


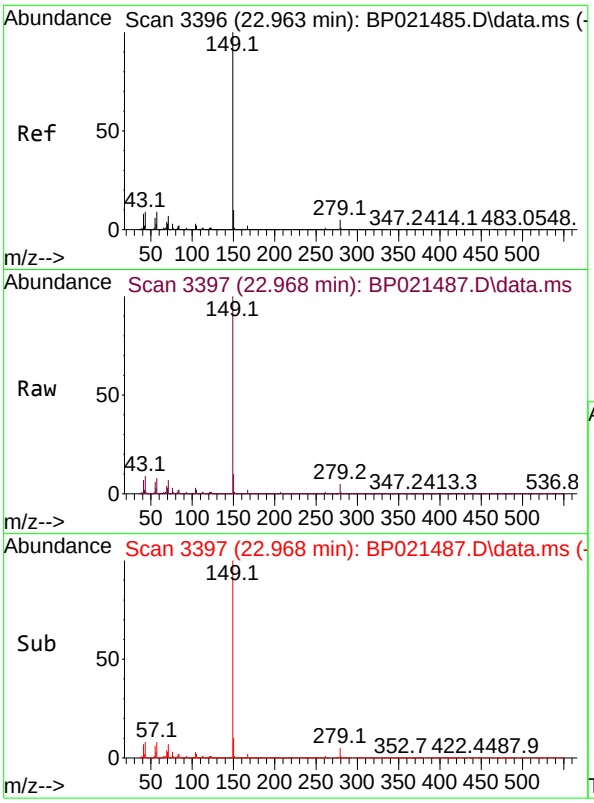


#84
Bis(2-ethylhexyl)phthalate
Concen: 64.685 ng
RT: 21.645 min Scan# 3172
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:149 Resp: 4576797

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.3	33.5
279	4.6	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 59.983 ng
RT: 22.968 min Scan# 3
Delta R.T. 0.005 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

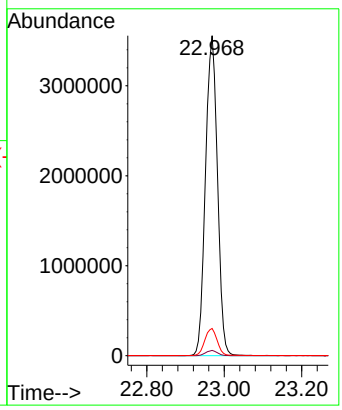
Tgt Ion:149 Resp: 762220

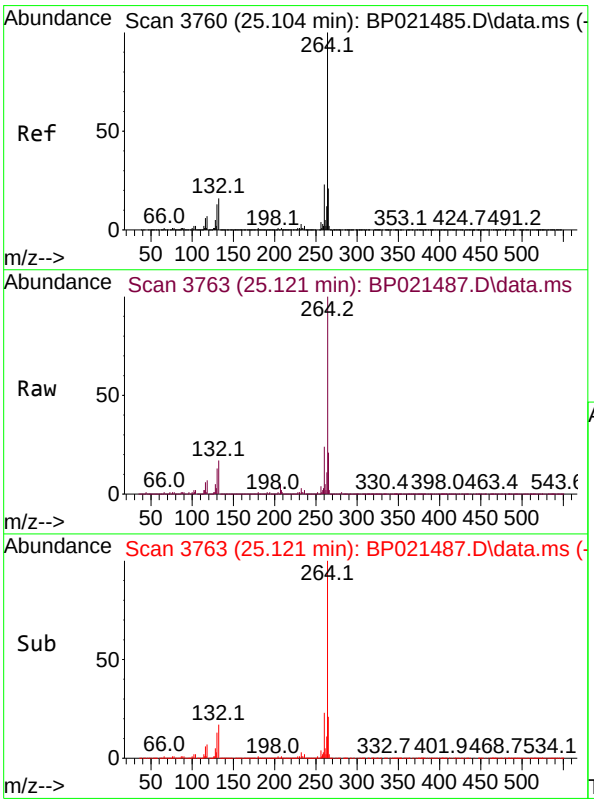
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

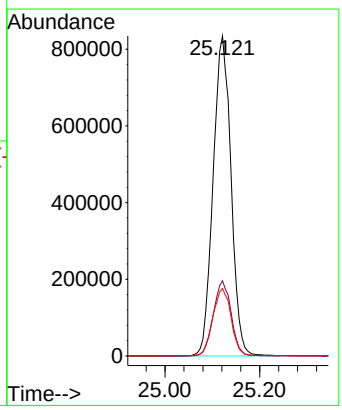


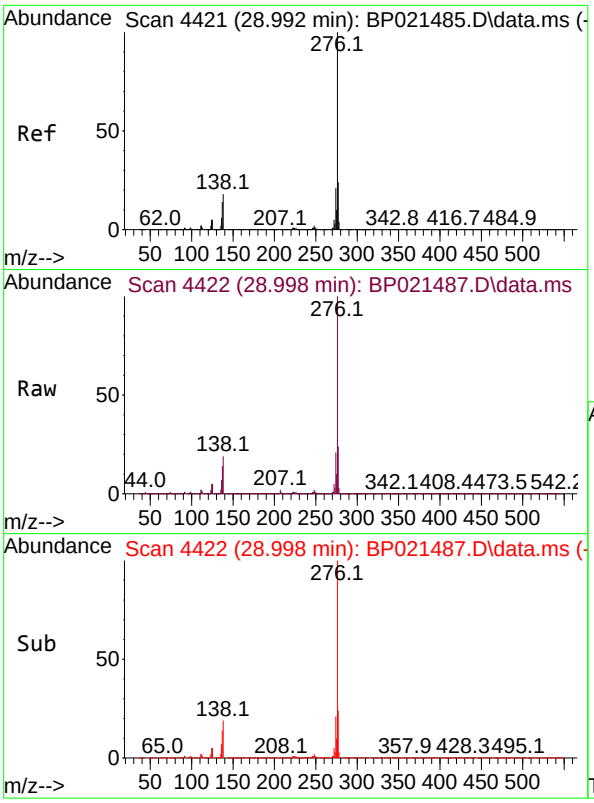


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.121 min Scan# 3763
Delta R.T. 0.018 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:264 Resp: 2191159

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.1	17.1	25.7

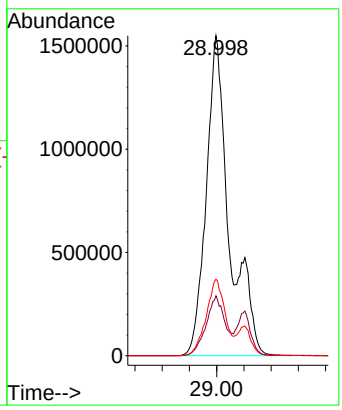




#87
Indeno(1,2,3-cd)pyrene
Concen: 64.078 ng m
RT: 28.998 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:276 Resp: 910034

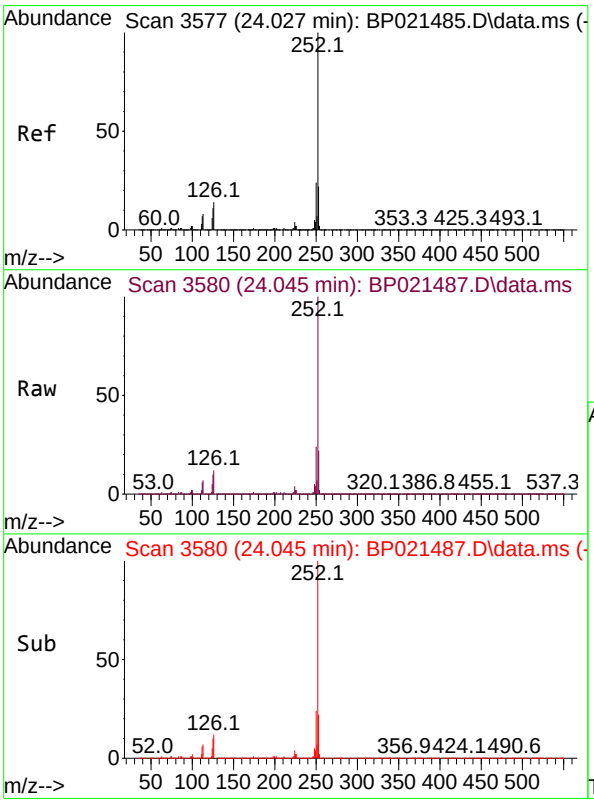
Ion	Ratio	Lower	Upper
276	100		
138	15.7	12.8	19.2
277	19.7	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

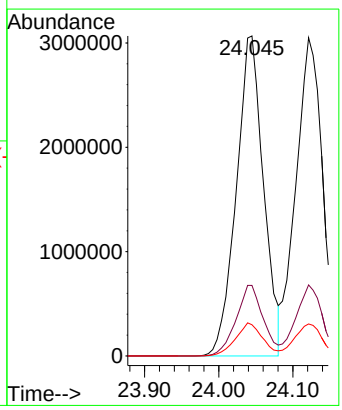
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

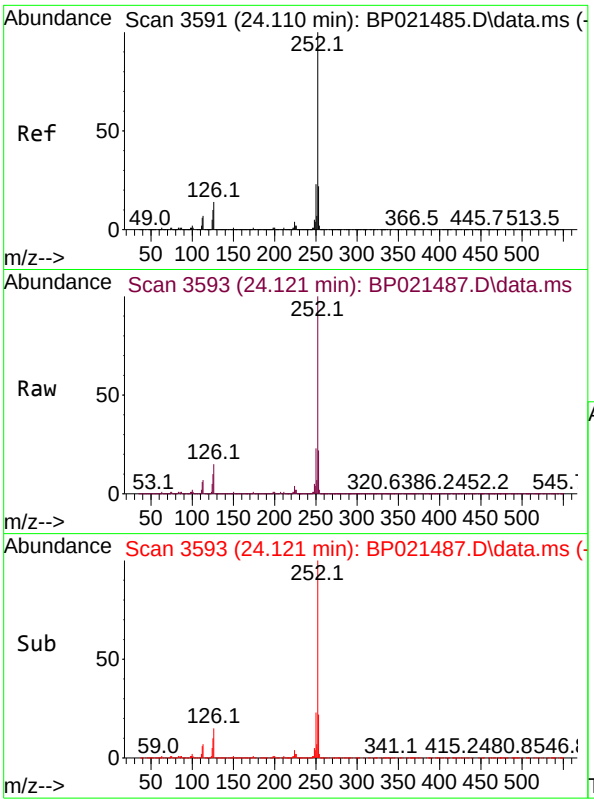


#88
Benzo(b)fluoranthene
Concen: 62.083 ng
RT: 24.045 min Scan# 3580
Delta R.T. 0.018 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:252 Resp: 7812709

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	9.8	8.6	13.0

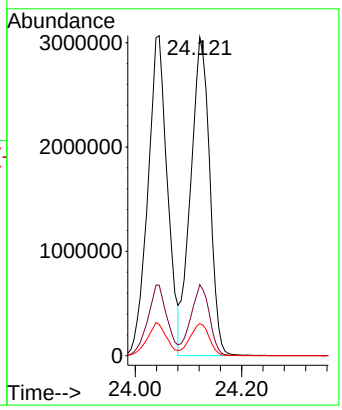




#89
Benzo(k)fluoranthene
Concen: 61.599 ng
RT: 24.121 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:252 Resp: 756196

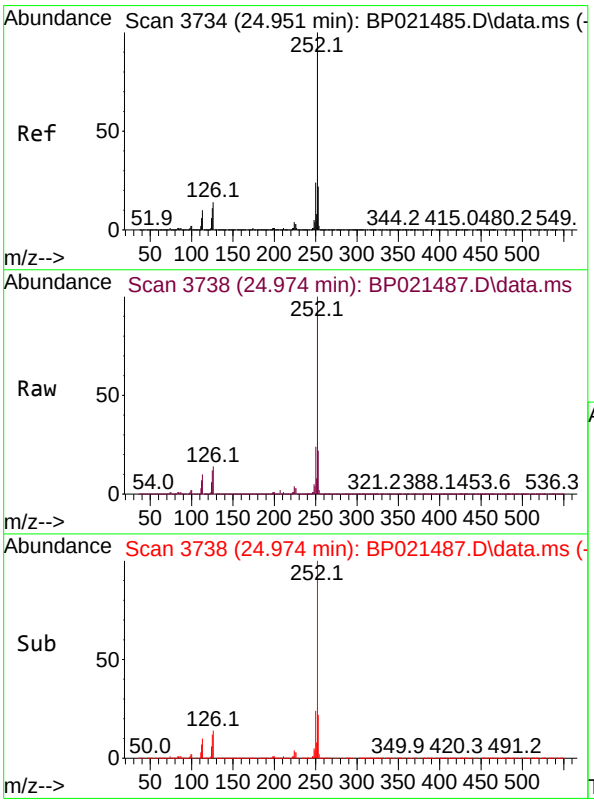
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.0	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

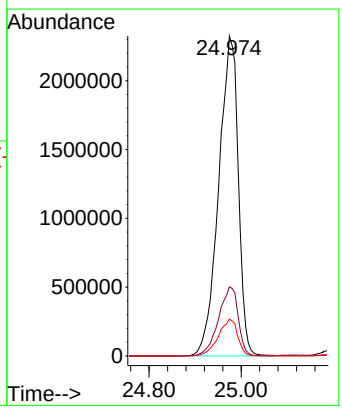
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

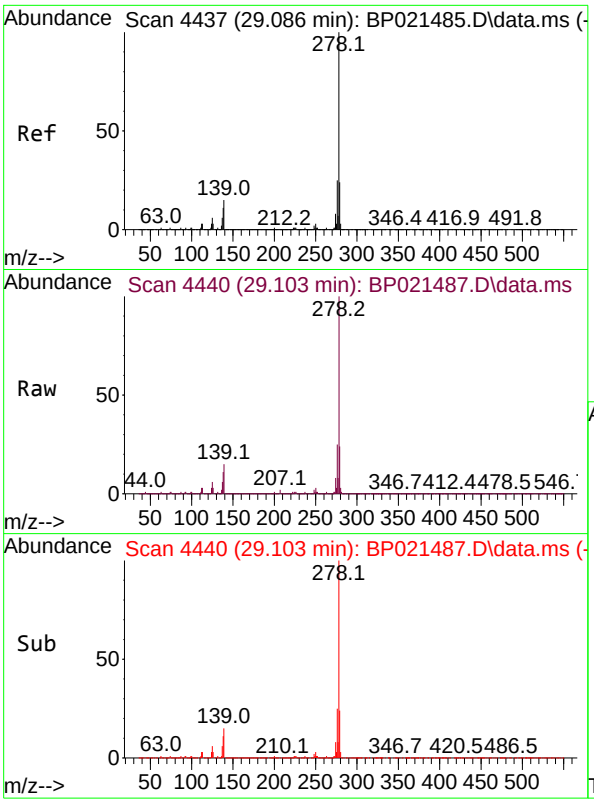


#90
Benzo(a)pyrene
Concen: 62.630 ng
RT: 24.974 min Scan# 3738
Delta R.T. 0.023 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:252 Resp: 6839630

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	11.5	8.7	13.1

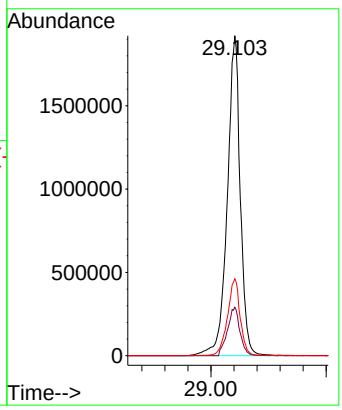




#91
Dibenzo(a,h)anthracene
Concen: 63.721 ng
RT: 29.103 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:278 Resp: 752000

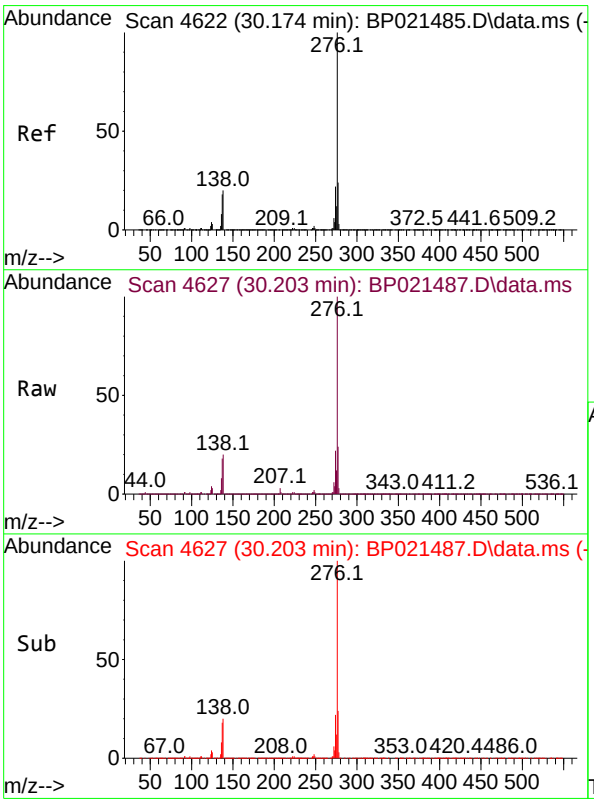
Ion	Ratio	Lower	Upper
278	100		
139	15.2	12.2	18.4
279	24.0	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

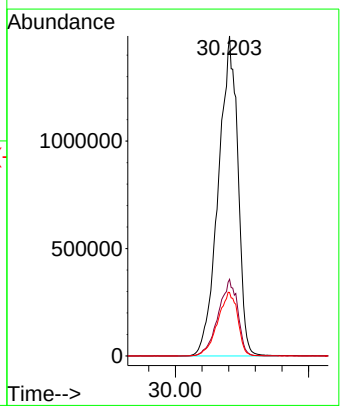
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 63.940 ng
RT: 30.203 min Scan# 4627
Delta R.T. 0.029 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:276 Resp: 7563028

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.6
138	19.8	16.0	24.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021488.D
Acq On : 13 Aug 2024 17:36
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	405636	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	1590621	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	991938	20.000	ng	0.00
64) Phenanthrene-d10	17.239	188	2007991	20.000	ng	-0.01
76) Chrysene-d12	21.698	240	1834396	20.000	ng	0.00
86) Perylene-d12	25.110	264	2148798	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	4326213	158.364	ng	0.00
7) Phenol-d6	6.969	99	6182538	155.142	ng	0.00
23) Nitrobenzene-d5	8.957	82	5476064	177.696	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	1902622	172.341	ng	-0.02
45) 2-Fluorobiphenyl	13.063	172	9945684	153.020	ng	0.00
79) Terphenyl-d14	19.969	244	13720759	145.311	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	981936	75.807	ng	99
3) Pyridine	3.705	79	2799665m	77.425	ng	
4) n-Nitrosodimethylamine	3.617	42	842879	77.551	ng	100
6) Aniline	7.140	93	2987211	74.981	ng	99
8) 2-Chlorophenol	7.375	128	1999068	79.186	ng	100
10) Phenol	6.993	94	3198266	77.502	ng	98
11) bis(2-Chloroethyl)ether	7.234	93	2653675	75.997	ng	98
12) 1,3-Dichlorobenzene	7.699	146	2278631	75.987	ng	99
13) 1,4-Dichlorobenzene	7.840	146	2292726	75.717	ng	99
14) 1,2-Dichlorobenzene	8.158	146	2200854	75.423	ng	100
15) Benzyl Alcohol	8.040	79	2214742	77.457	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.334	45	2391178	74.359	ng	99
17) 2-Methylphenol	8.234	107	1995331	76.484	ng	100
18) Hexachloroethane	8.887	117	957451	78.852	ng	98
19) n-Nitroso-di-n-propyla...	8.610	70	1923242	69.865	ng	99
20) 3+4-Methylphenols	8.563	107	2709790	77.033	ng	99
22) Acetophenone	8.622	105	3753281	76.808	ng	99
24) Nitrobenzene	8.999	77	2888411	86.298	ng	97
25) Isophorone	9.522	82	5496234	75.494	ng	100
27) 2,4-Dimethylphenol	9.763	122	1443721	80.354	ng	99
28) bis(2-Chloroethoxy)met...	10.004	93	3455210	77.749	ng	99
29) 2,4-Dichlorophenol	10.240	162	1832311	86.313	ng	100
30) 1,2,4-Trichlorobenzene	10.457	180	2181467	80.153	ng	99
31) Naphthalene	10.646	128	6530682	78.593	ng	99
32) Benzoic acid	9.922	122	1191515	79.618	ng	99
33) 4-Chloroaniline	10.746	127	2421138	77.568	ng	99
34) Hexachlorobutadiene	10.946	225	1379696	80.513	ng	97
35) Caprolactam	11.522	113	702638m	79.529	ng	
36) 4-Chloro-3-methylphenol	11.869	107	2368621	80.436	ng	98
37) 2-Methylnaphthalene	12.257	142	4347439	76.659	ng	100
38) 1-Methylnaphthalene	12.481	142	4237982	75.769	ng	99
40) 1,2,4,5-Tetrachloroben...	12.628	216	2395337	82.416	ng	100
41) Hexachlorocyclopentadiene	12.616	237	847184	91.971	ng	98
43) 2,4,6-Trichlorophenol	12.863	196	1454749	90.107	ng	100
44) 2,4,5-Trichlorophenol	12.928	196	1603816	89.412	ng	97
46) 1,1'-Biphenyl	13.275	154	5498161	78.343	ng	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021488.D
Acq On : 13 Aug 2024 17:36
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-Chloronaphthalene	13.310	162	4315309	78.980	ng		99
48) 2-Nitroaniline	13.504	65	1301093	81.000	ng		93
49) Acenaphthylene	14.169	152	6229370	77.556	ng		100
50) Dimethylphthalate	13.904	163	5104657	76.844	ng		99
51) 2,6-Dinitrotoluene	14.010	165	1121870	80.745	ng		97
52) Acenaphthene	14.510	154	4136001	78.480	ng		99
53) 3-Nitroaniline	14.340	138	1100154	80.567	ng	#	95
54) 2,4-Dinitrophenol	14.545	184	370353	79.528	ng		92
55) Dibenzofuran	14.851	168	6247950	77.067	ng		99
56) 4-Nitrophenol	14.640	139	885944	80.388	ng		97
57) 2,4-Dinitrotoluene	14.804	165	1449693	81.172	ng		96
58) Fluorene	15.510	166	4891299	73.441	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.075	232	1322486	86.863	ng		100
60) Diethylphthalate	15.292	149	5198353	76.268	ng		99
61) 4-Chlorophenyl-phenyle...	15.510	204	2556419	74.256	ng		98
62) 4-Nitroaniline	15.522	138	1101954	79.329	ng		94
63) Azobenzene	15.804	77	6169252	73.633	ng		97
65) 4,6-Dinitro-2-methylph...	15.575	198	600088	79.442	ng		100
66) n-Nitrosodiphenylamine	15.722	169	4264380	79.247	ng		99
67) 4-Bromophenyl-phenylether	16.416	248	1731598	81.480	ng		98
68) Hexachlorobenzene	16.534	284	1994136	79.402	ng		99
69) Atrazine	16.698	200	1395641	75.542	ng		98
70) Pentachlorophenol	16.881	266	1256277	91.649	ng		100
71) Phenanthrene	17.286	178	7482235	77.481	ng		99
72) Anthracene	17.381	178	7350512	77.613	ng		100
73) Carbazole	17.651	167	7163944	78.491	ng		99
74) Di-n-butylphthalate	18.257	149	9044596	80.689	ng		100
75) Fluoranthene	19.369	202	9185836	77.525	ng		99
77) Benzidine	19.557	184	3000610	82.290	ng		99
78) Pyrene	19.745	202	9406096	78.450	ng		99
80) Butylbenzylphthalate	20.704	149	3806046	80.964	ng		98
81) Benzo(a)anthracene	21.680	228	9116699	79.168	ng		98
82) 3,3'-Dichlorobenzidine	21.598	252	3092890	83.768	ng		100
83) Chrysene	21.751	228	8577622	78.894	ng		98
84) Bis(2-ethylhexyl)phtha...	21.639	149	6062099	89.068	ng		100
85) Di-n-octyl phthalate	22.957	149	10099312	80.797	ng		99
87) Indeno(1,2,3-cd)pyrene	29.009	276	11599453m	83.285	ng		
88) Benzo(b)fluoranthene	24.045	252	9994213	80.984	ng		100
89) Benzo(k)fluoranthene	24.121	252	9544162	79.279	ng		99
90) Benzo(a)pyrene	24.962	252	8757562	81.773	ng		100
91) Dibenzo(a,h)anthracene	29.098	278	9530458	82.349	ng		100
92) Benzo(g,h,i)perylene	30.209	276	9695156	83.581	ng		100

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

ICAL Form

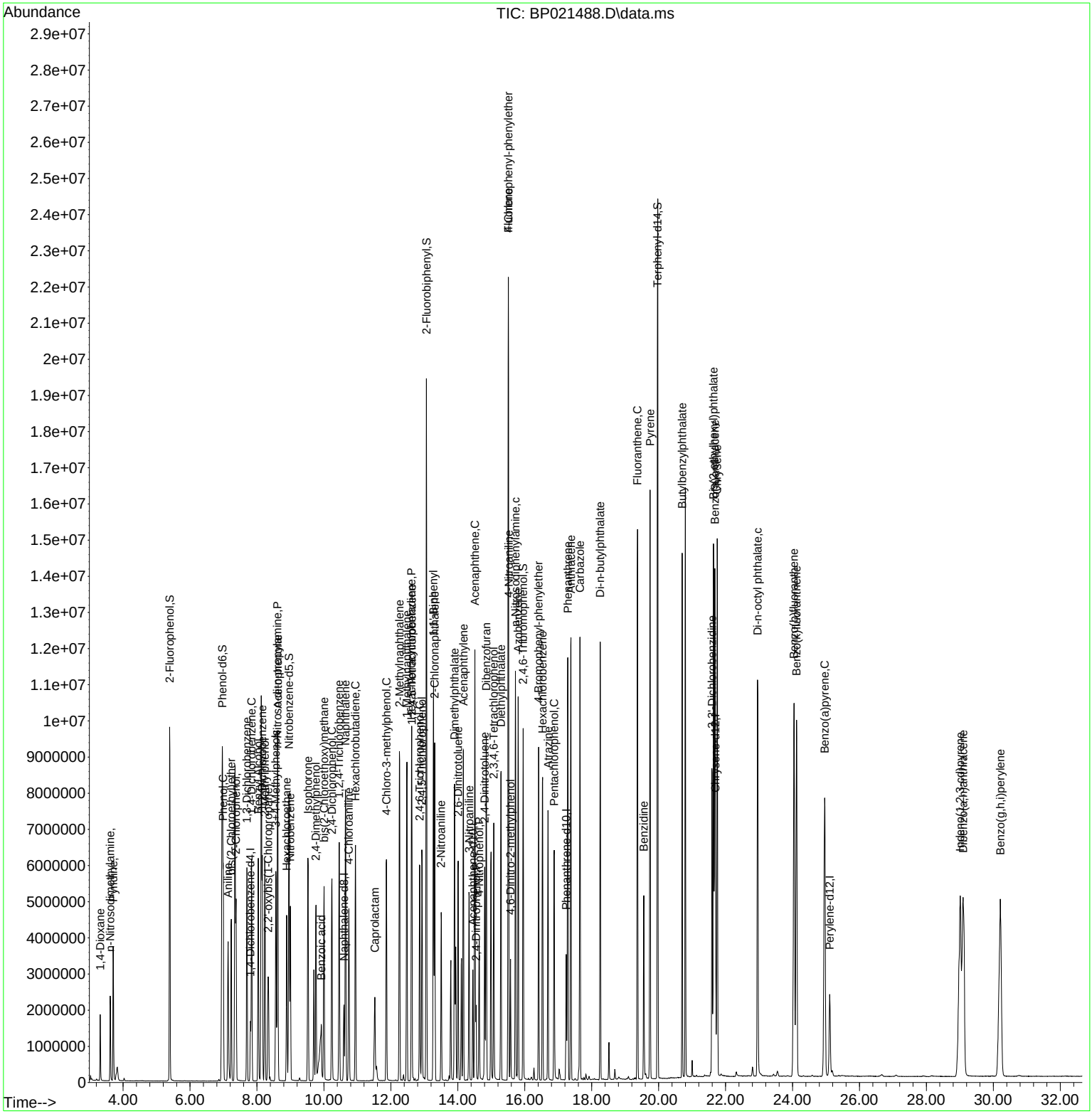
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021488.D
Acq On : 13 Aug 2024 17:36
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

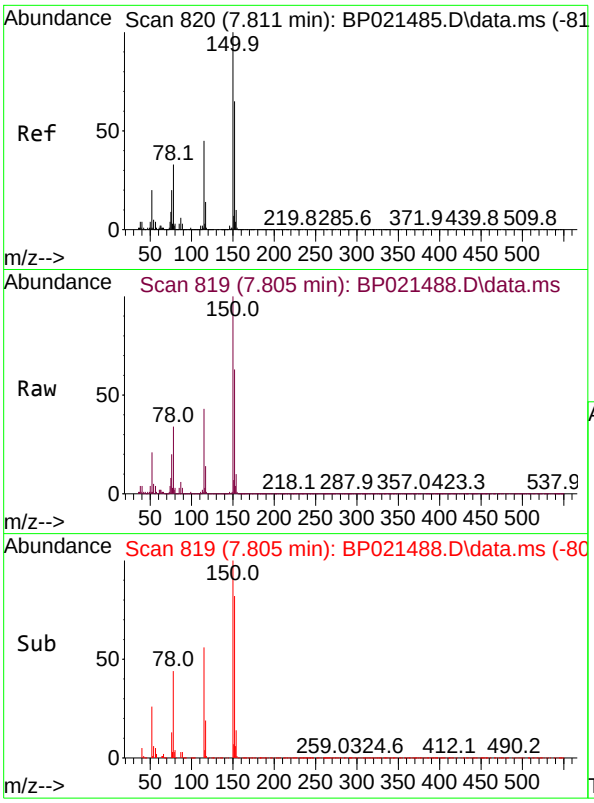
Quant Time: Aug 13 23:48:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

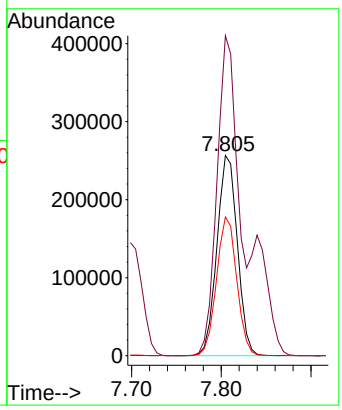




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:152 Resp: 40563

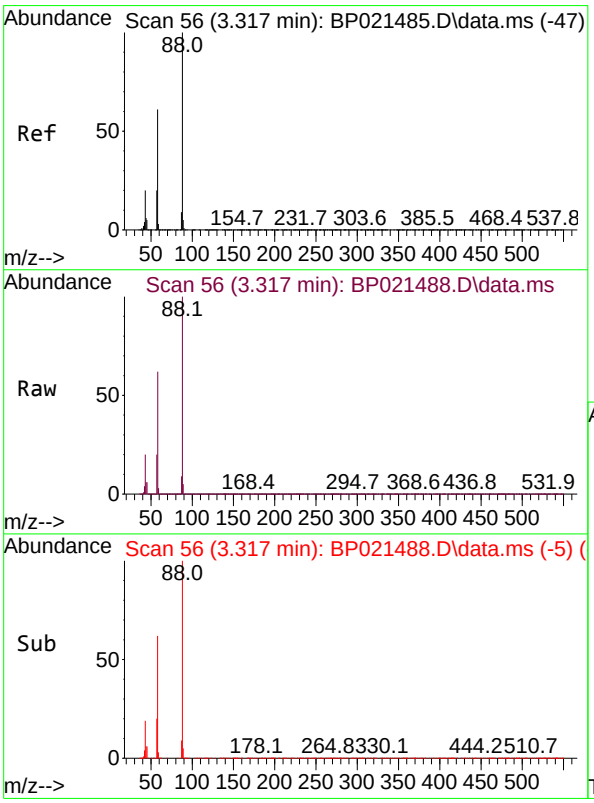
Ion	Ratio	Lower	Upper
152	100		
150	159.8	122.4	183.6
115	69.3	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

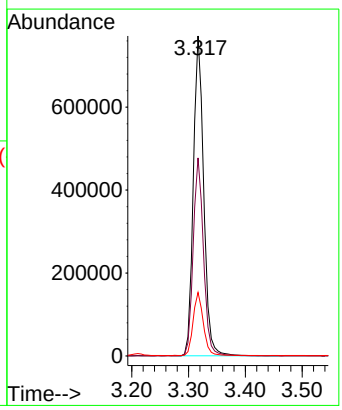
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

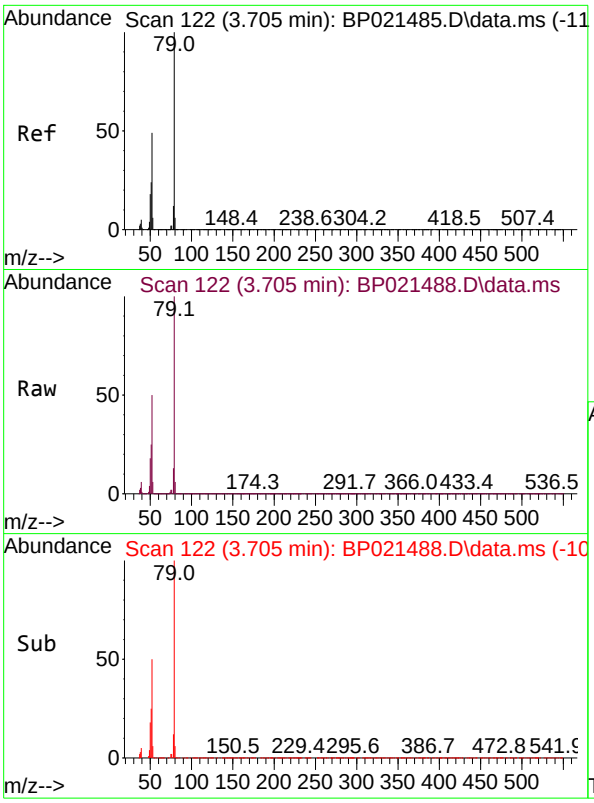


#2
1,4-Dioxane
Concen: 75.807 ng
RT: 3.317 min Scan# 56
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 88 Resp: 981936

Ion	Ratio	Lower	Upper
88	100		
58	61.6	48.7	73.1
43	19.6	15.4	23.2

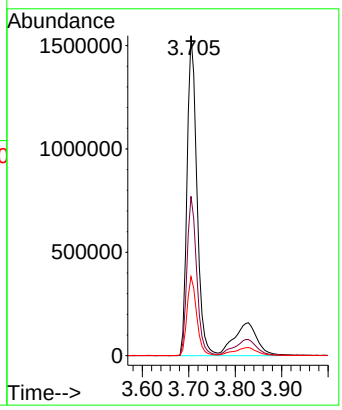




#3
Pyridine
Concen: 77.425 ng m
RT: 3.705 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 79 Resp: 279966

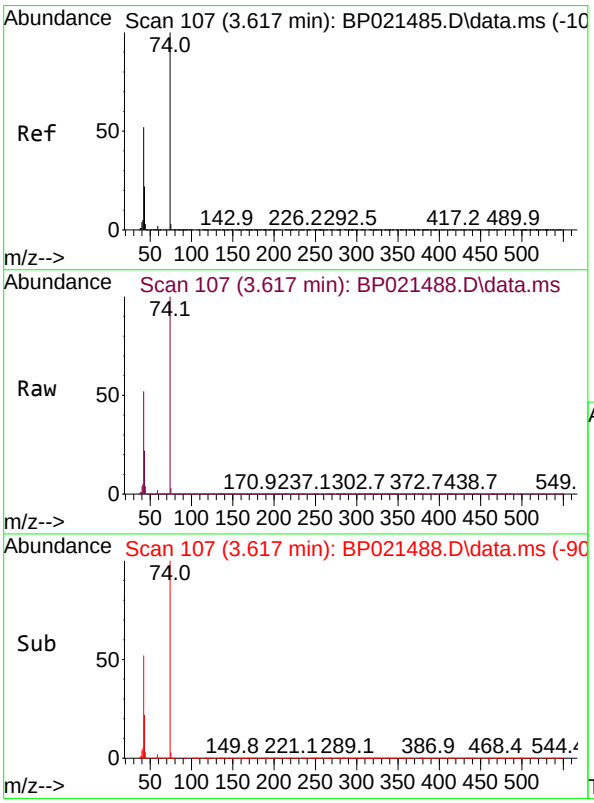
Ion	Ratio	Lower	Upper
79	100		
52	49.8	39.0	58.6
51	24.7	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

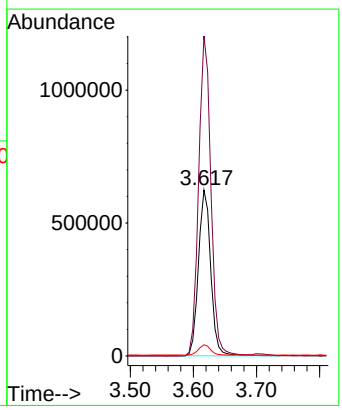
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

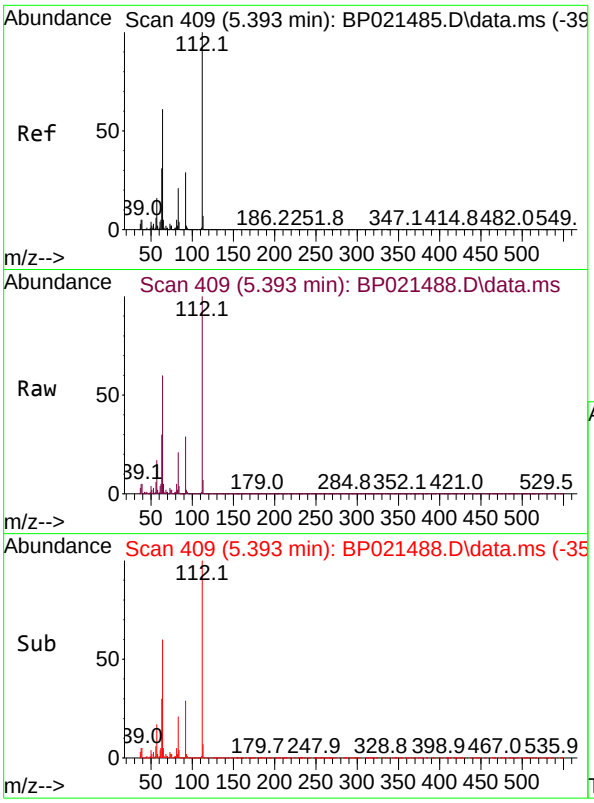


#4
n-Nitrosodimethylamine
Concen: 77.551 ng
RT: 3.617 min Scan# 107
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 42 Resp: 842879

Ion	Ratio	Lower	Upper
42	100		
74	192.8	154.3	231.5
44	6.8	6.2	9.4

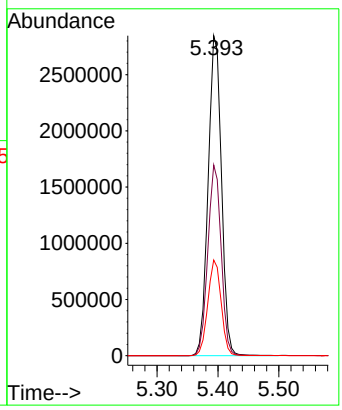




#5
2-Fluorophenol
Concen: 158.364 ng
RT: 5.393 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:112 Resp: 432621

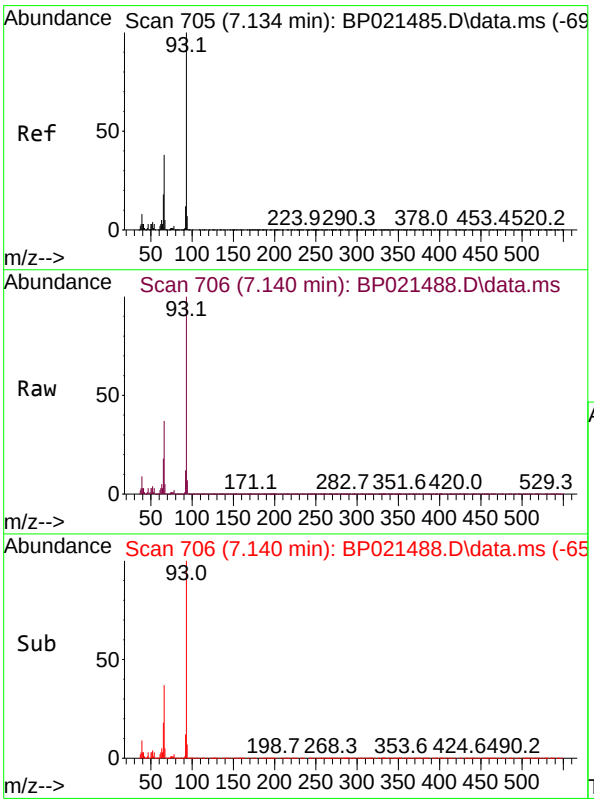
Ion	Ratio	Lower	Upper
112	100		
64	59.6	49.0	73.6
63	29.9	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

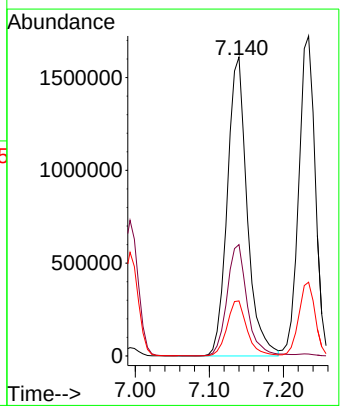
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

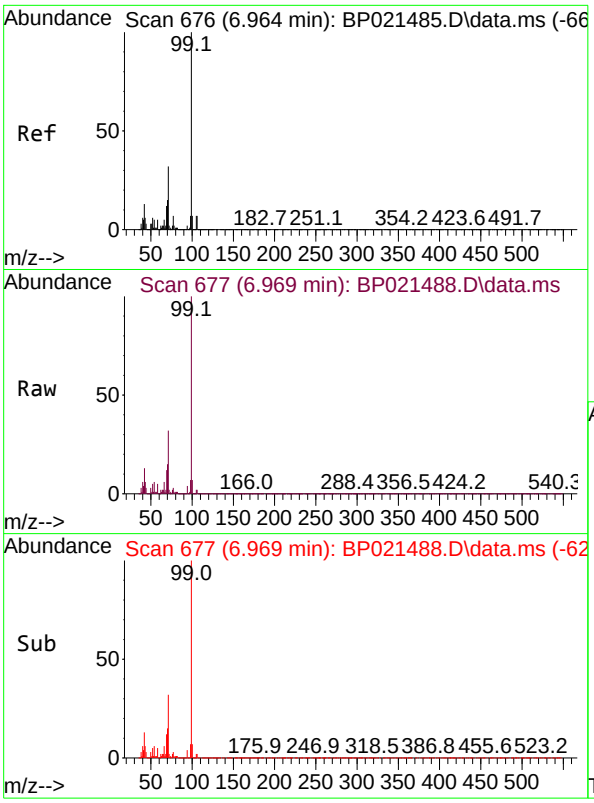


#6
Aniline
Concen: 74.981 ng
RT: 7.140 min Scan# 706
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 93 Resp: 2987211

Ion	Ratio	Lower	Upper
93	100		
66	37.3	30.2	45.2
65	18.4	14.7	22.1

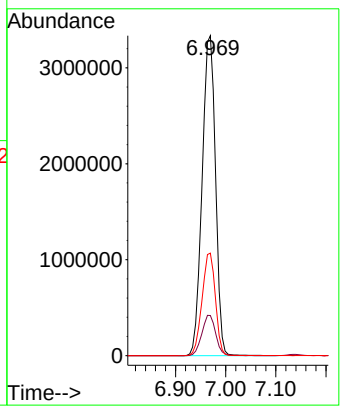




#7
Phenol-d6
Concen: 155.142 ng
RT: 6.969 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 99 Resp: 618253

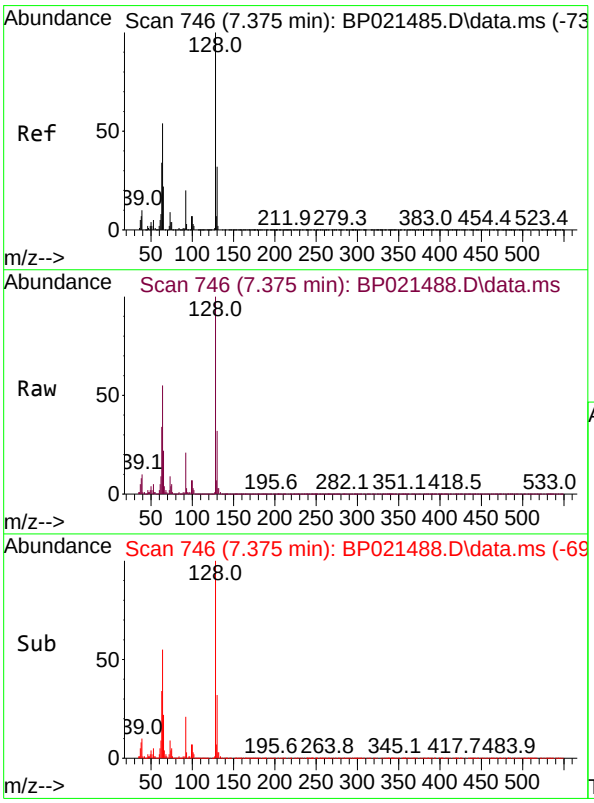
Ion	Ratio	Lower	Upper
99	100		
42	12.5	10.2	15.4
71	32.1	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

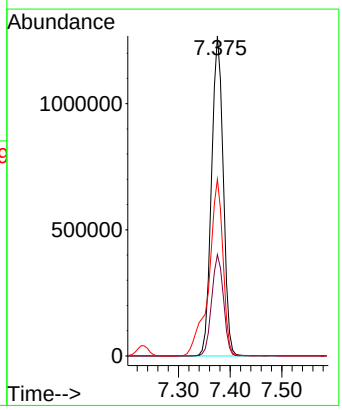
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

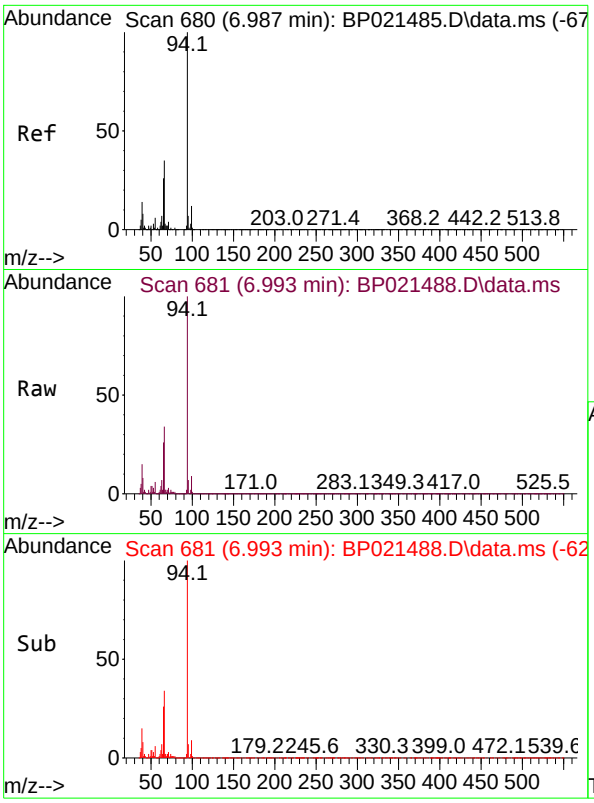


#8
2-Chlorophenol
Concen: 79.186 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:128 Resp: 1999068

Ion	Ratio	Lower	Upper
128	100		
130	31.7	11.6	51.6
64	55.2	35.3	75.3

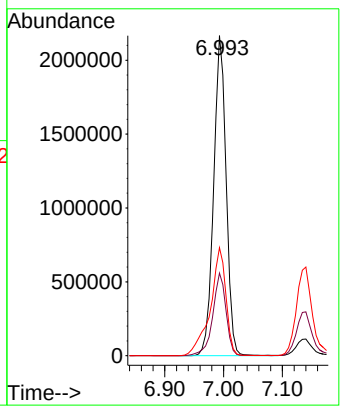




#10
Phenol
Concen: 77.502 ng
RT: 6.993 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 94 Resp: 319826

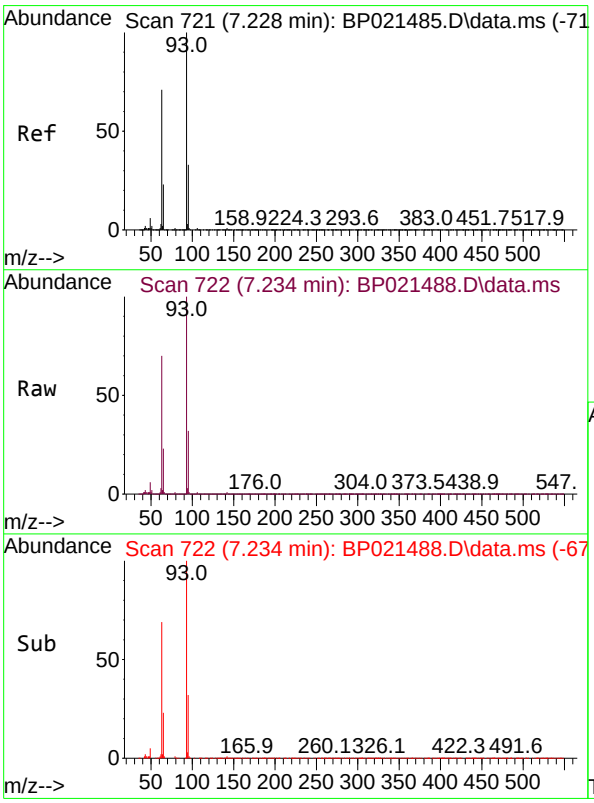
Ion	Ratio	Lower	Upper
94	100		
65	25.8	6.5	46.5
66	33.7	14.7	54.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

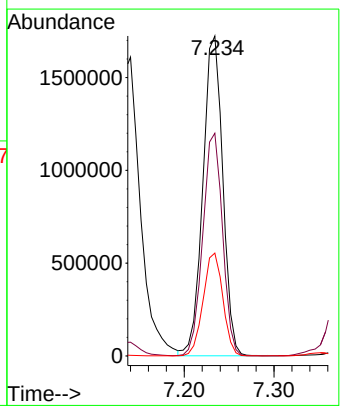
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

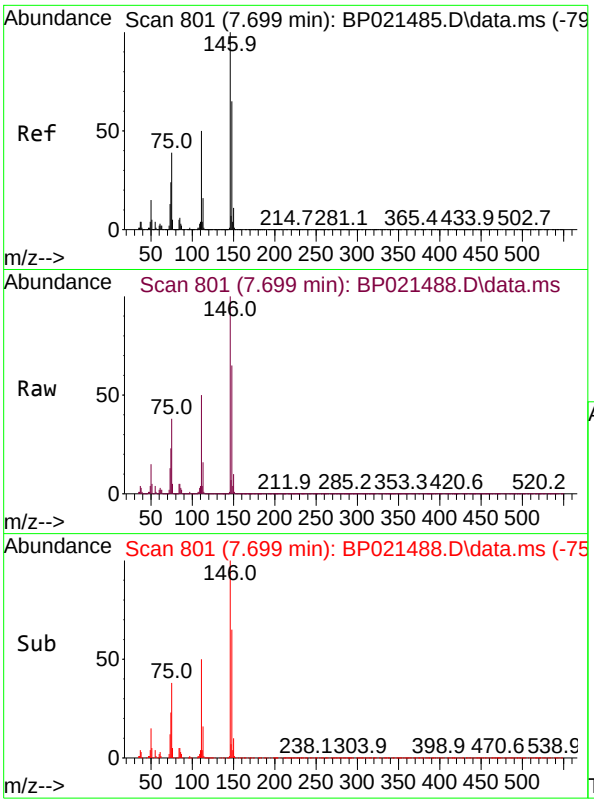


#11
bis(2-Chloroethyl)ether
Concen: 75.997 ng
RT: 7.234 min Scan# 722
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 93 Resp: 2653675

Ion	Ratio	Lower	Upper
93	100		
63	69.6	51.0	91.0
95	32.2	12.9	52.9





#12
1,3-Dichlorobenzene
Concen: 75.987 ng
RT: 7.699 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

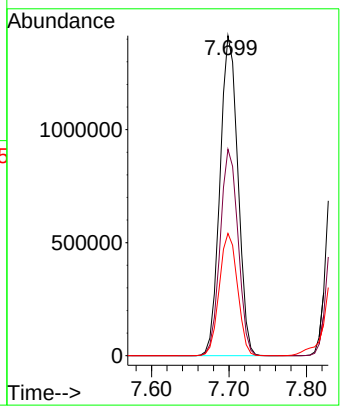
Tgt Ion:146 Resp: 227863

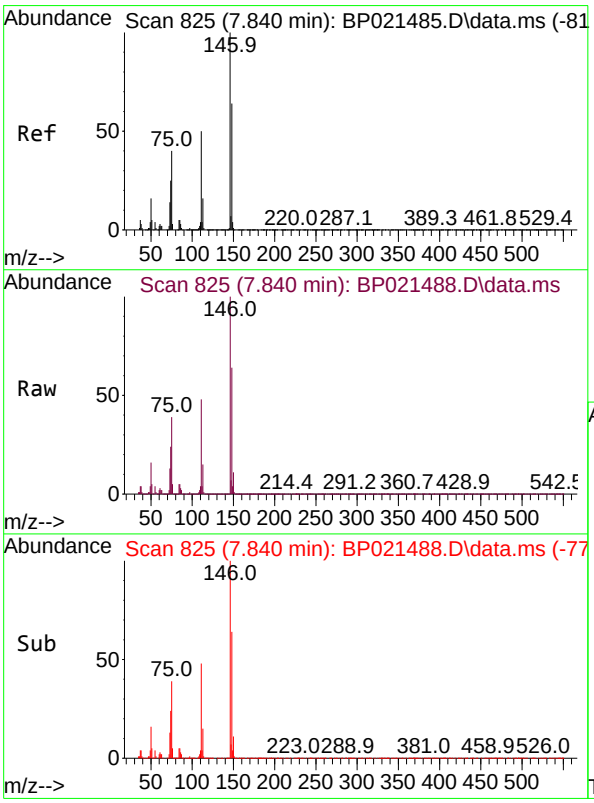
Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.8	77.6
75	38.2	31.3	46.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

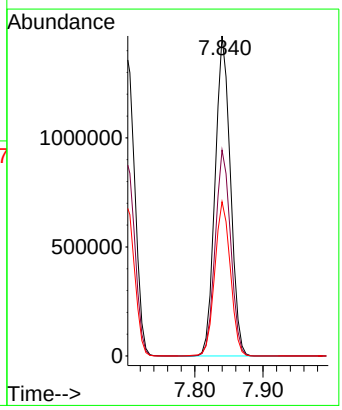


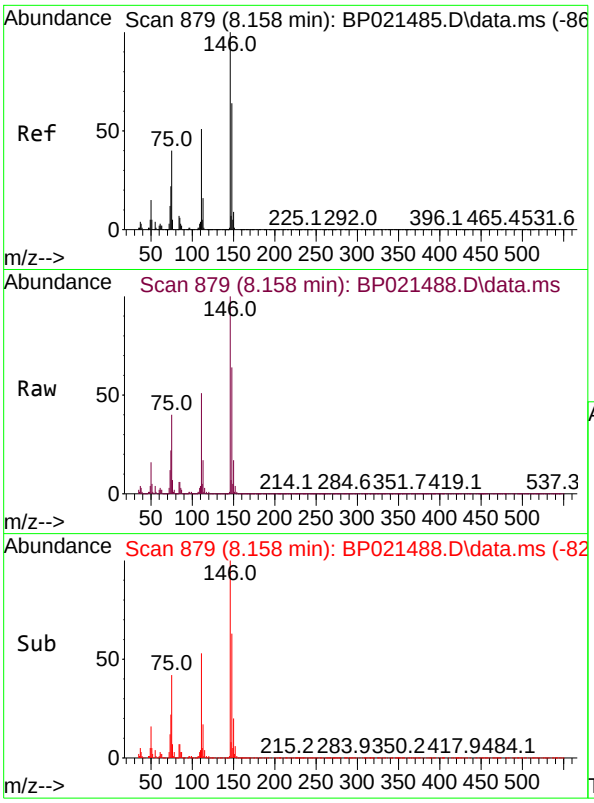


#13
1,4-Dichlorobenzene
Concen: 75.717 ng
RT: 7.840 min Scan# 825
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:146 Resp: 2292726

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	48.2	40.3	60.5

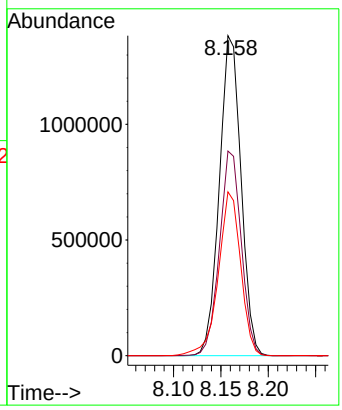




#14
1,2-Dichlorobenzene
Concen: 75.423 ng
RT: 8.158 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:146 Resp: 220085

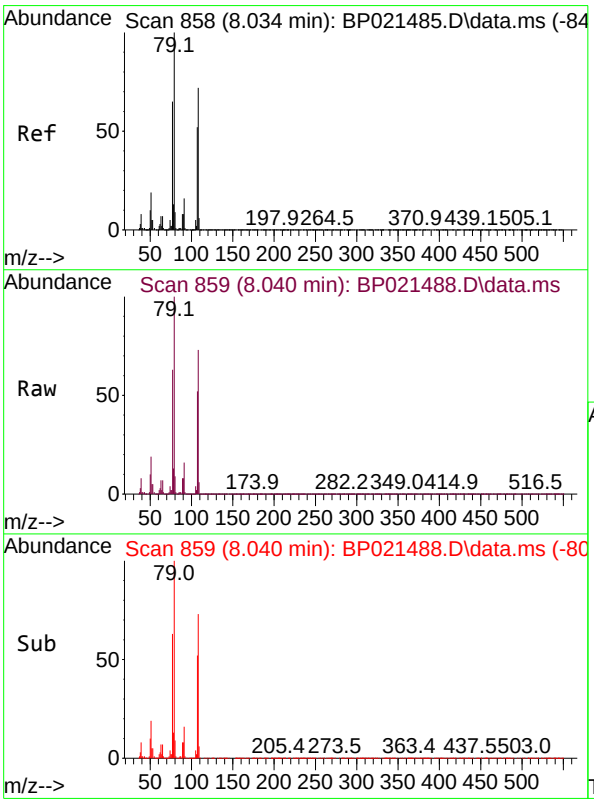
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.5	77.3
111	51.2	41.1	61.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

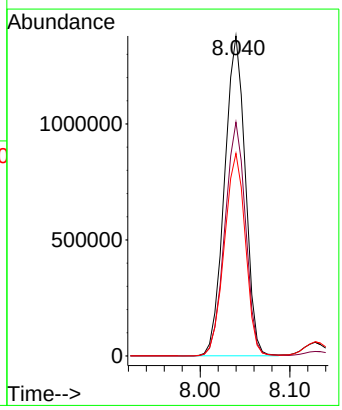
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

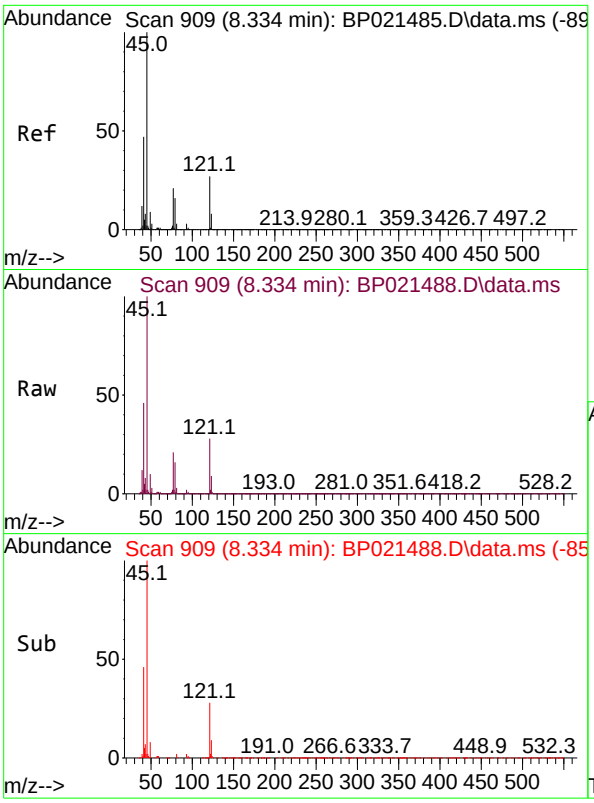


#15
Benzyl Alcohol
Concen: 77.457 ng
RT: 8.040 min Scan# 859
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 79 Resp: 2214742

Ion	Ratio	Lower	Upper
79	100		
108	73.1	57.9	86.9
77	63.3	51.8	77.8

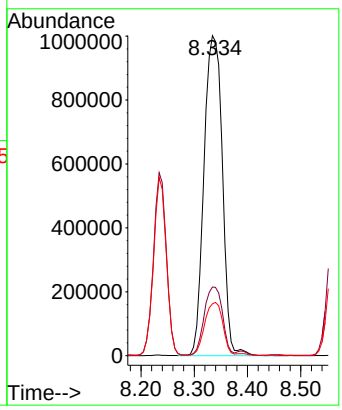




#16
2,2'-oxybis(1-Chloropropane)
Concen: 74.359 ng
RT: 8.334 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 45 Resp: 239117

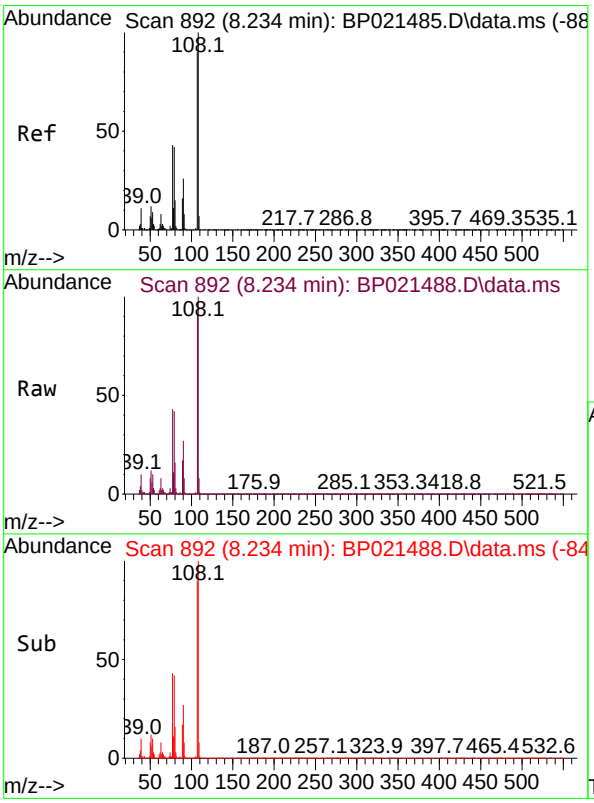
Ion	Ratio	Lower	Upper
45	100		
77	21.4	1.9	41.9
79	16.2	0.0	36.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

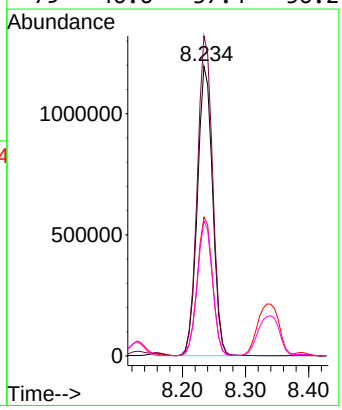
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

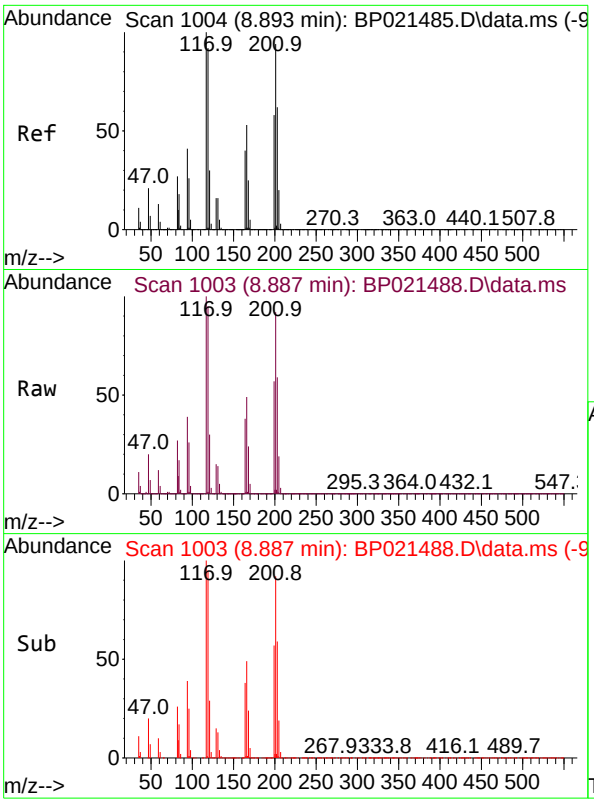


#17
2-Methylphenol
Concen: 76.484 ng
RT: 8.234 min Scan# 892
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:107 Resp: 1995331

Ion	Ratio	Lower	Upper
107	100		
108	110.5	88.8	133.2
77	47.9	38.7	58.1
79	46.6	37.4	56.2

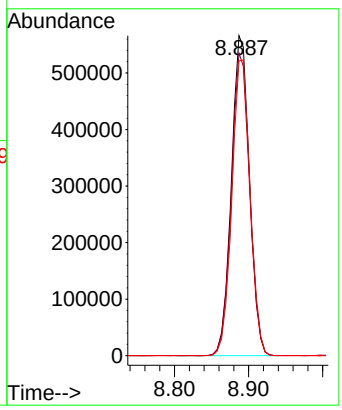




#18
Hexachloroethane
Concen: 78.852 ng
RT: 8.887 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:117 Resp: 95745

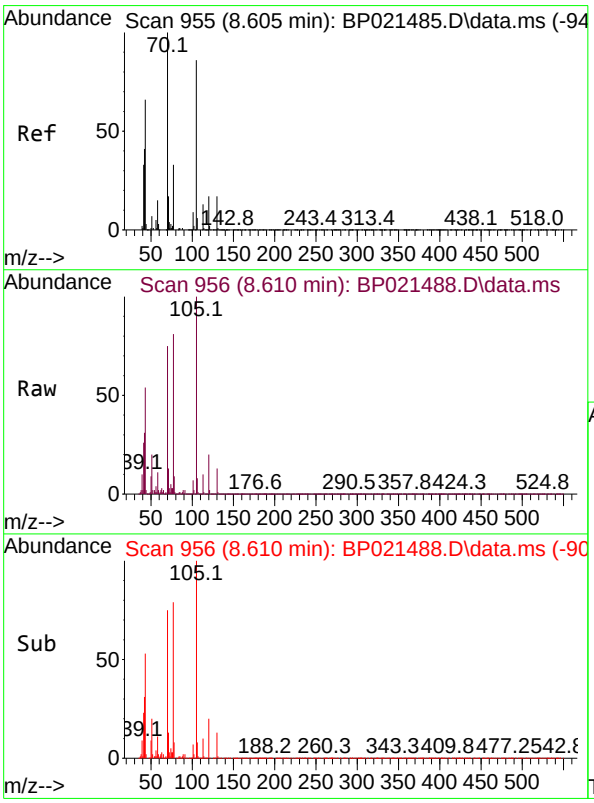
Ion	Ratio	Lower	Upper
117	100		
119	94.5	73.9	110.9
201	92.1	74.9	112.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

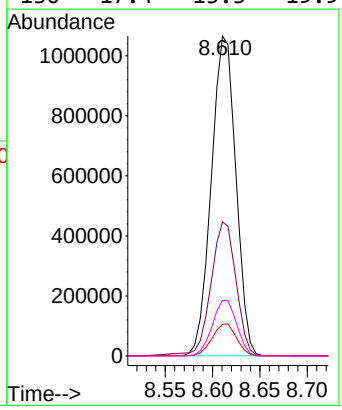
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

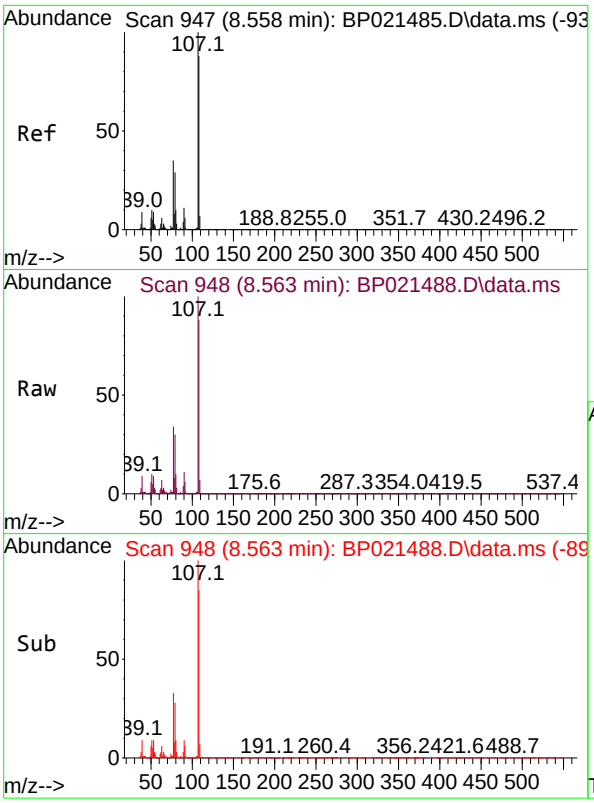


#19
n-Nitroso-di-n-propylamine
Concen: 69.865 ng
RT: 8.610 min Scan# 956
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 70 Resp: 1923242

Ion	Ratio	Lower	Upper
70	100		
42	41.9	33.1	49.7
101	9.9	7.4	11.2
130	17.4	13.3	19.9

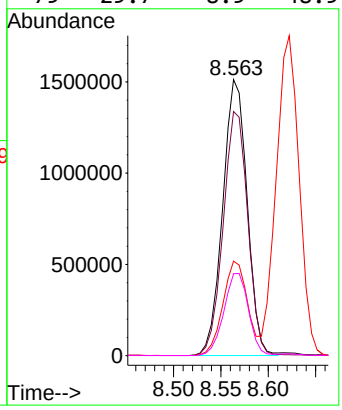




#20
3+4-Methylphenols
Concen: 77.033 ng
RT: 8.563 min Scan# 94
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:107 Resp: 270979

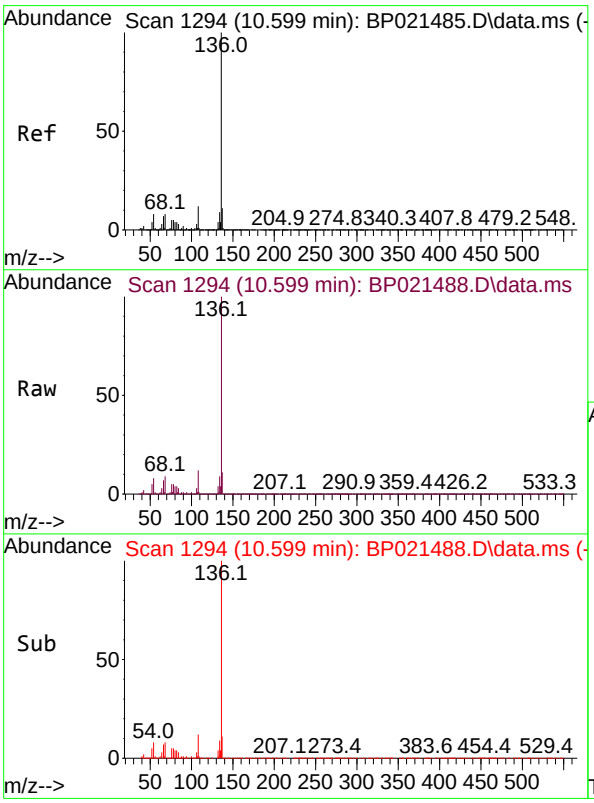
Ion	Ratio	Lower	Upper
107	100		
108	88.4	67.6	107.6
77	34.2	15.0	55.0
79	29.7	8.9	48.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

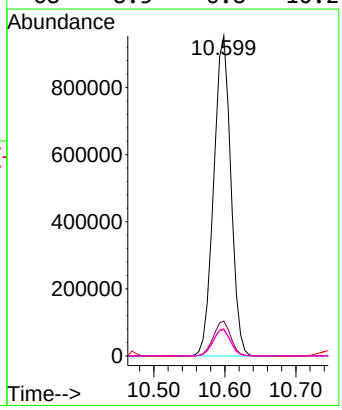
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

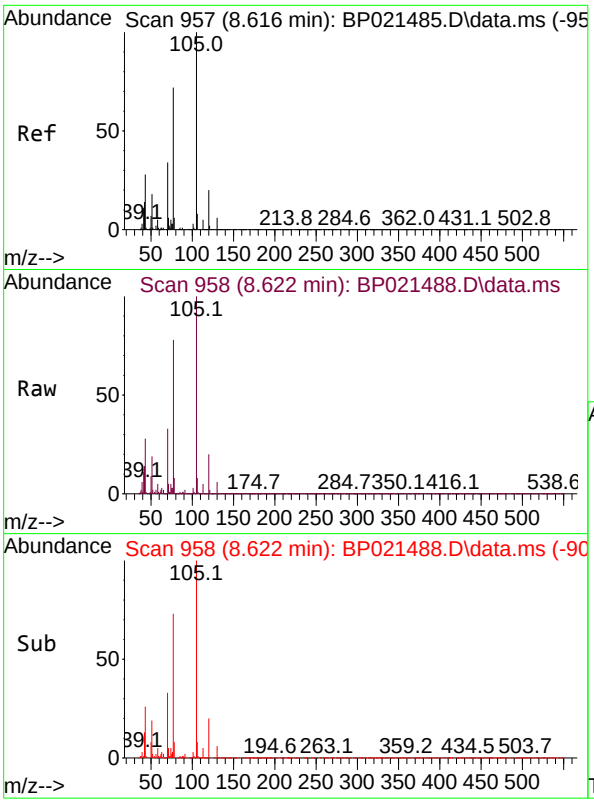


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:136 Resp: 1590621

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.2	6.3	9.5
68	8.5	6.8	10.2

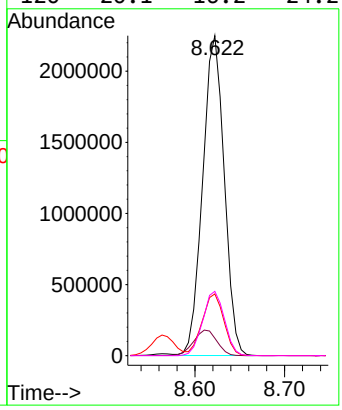




#22
Acetophenone
Concen: 76.808 ng
RT: 8.622 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:105 Resp: 375328

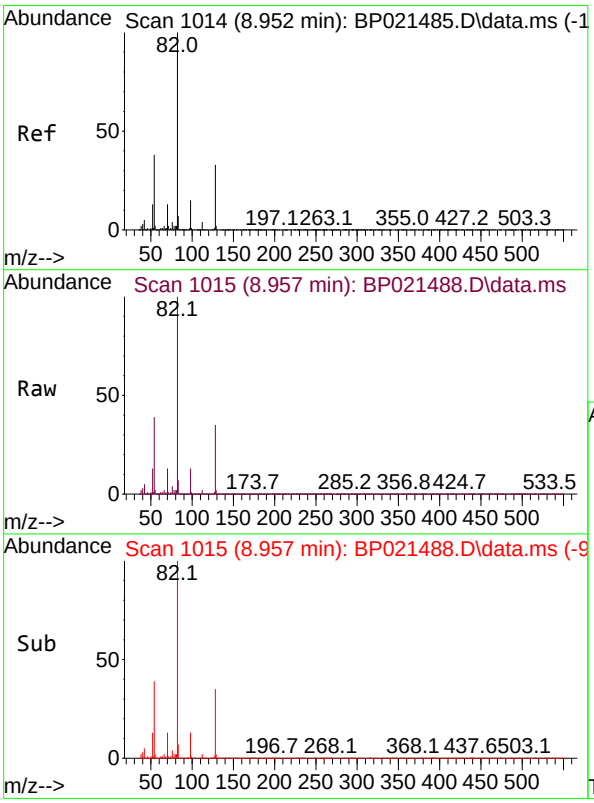
Ion	Ratio	Lower	Upper
105	100		
71	5.5	4.6	7.0
51	19.3	16.3	24.5
120	20.1	16.2	24.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

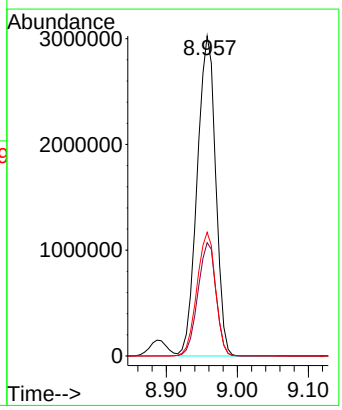
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

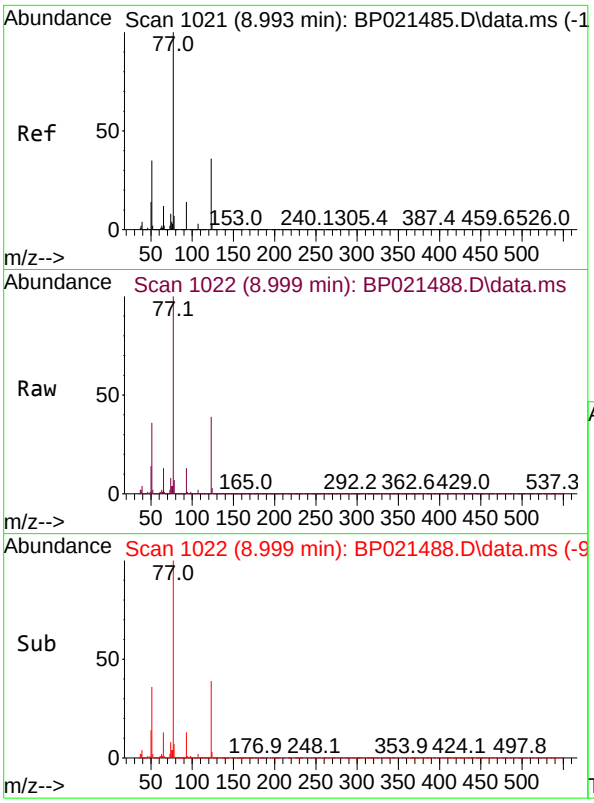


#23
Nitrobenzene-d5
Concen: 177.696 ng
RT: 8.957 min Scan# 1015
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 82 Resp: 5476064

Ion	Ratio	Lower	Upper
82	100		
128	35.4	26.5	39.7
54	38.7	30.3	45.5





#24
Nitrobenzene
Concen: 86.298 ng
RT: 8.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

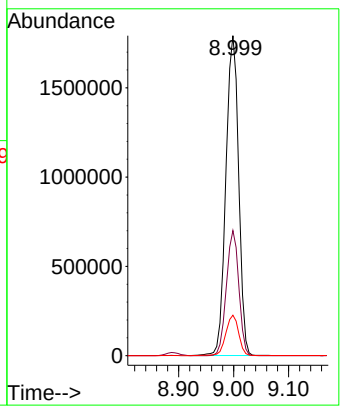
Tgt Ion: 77 Resp: 288841

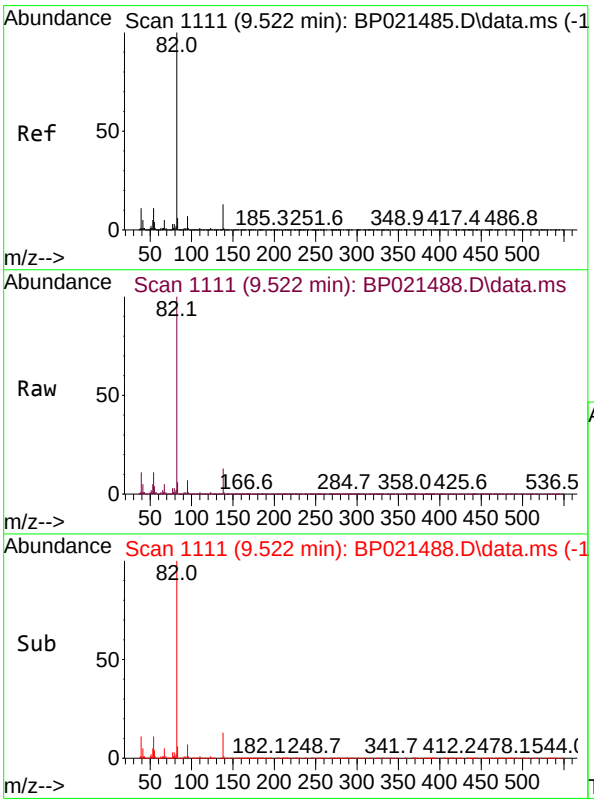
Ion	Ratio	Lower	Upper
77	100		
123	39.1	29.5	44.3
65	12.7	9.9	14.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

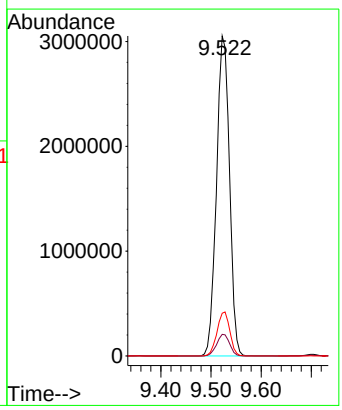


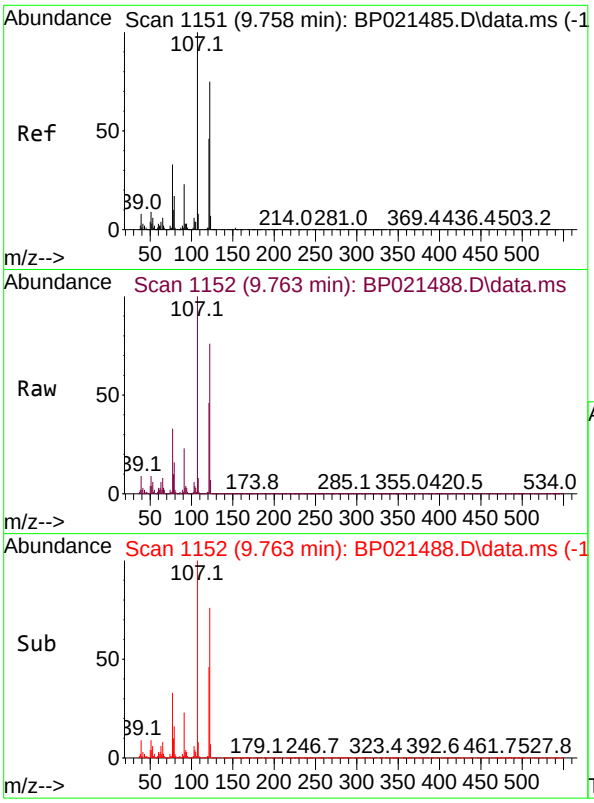


#25
Isophorone
Concen: 75.494 ng
RT: 9.522 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 82 Resp: 5496234

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	13.3	10.6	16.0

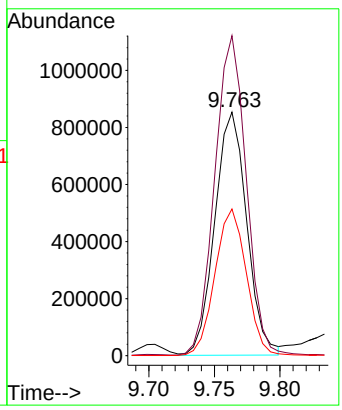




#27
2,4-Dimethylphenol
Concen: 80.354 ng
RT: 9.763 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:122 Resp: 144372

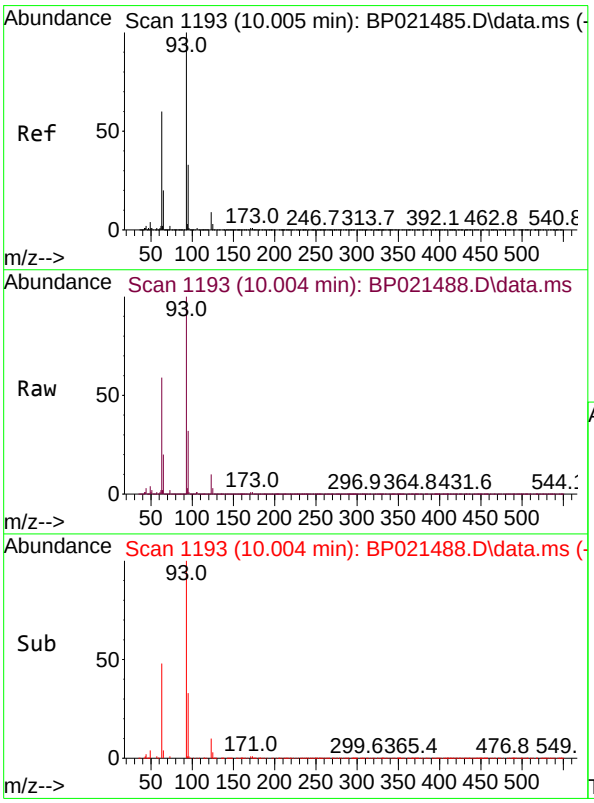
Ion	Ratio	Lower	Upper
122	100		
107	131.4	106.2	159.4
121	60.3	48.8	73.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

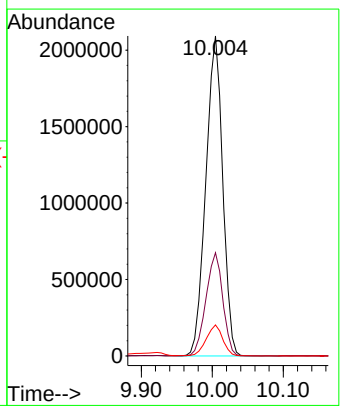
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

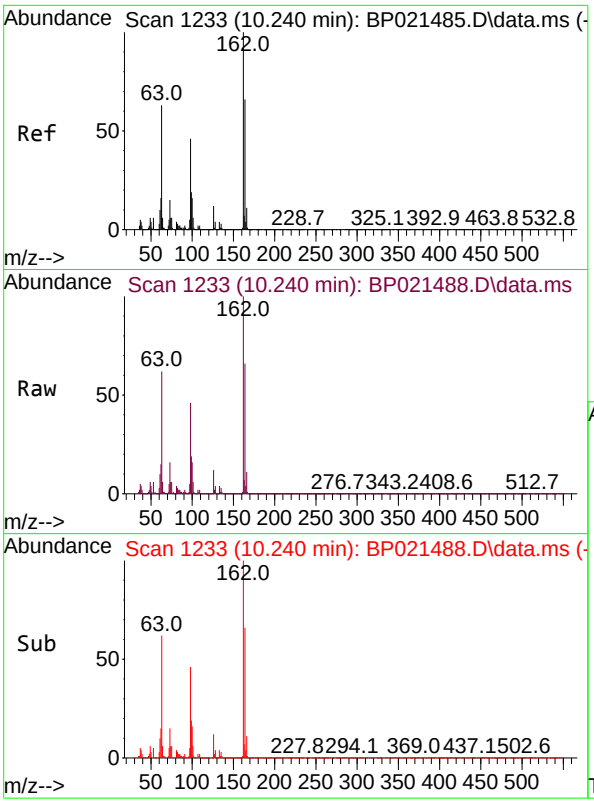


#28
bis(2-Chloroethoxy)methane
Concen: 77.749 ng
RT: 10.004 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 93 Resp: 3455210

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.4
123	9.7	7.6	11.4

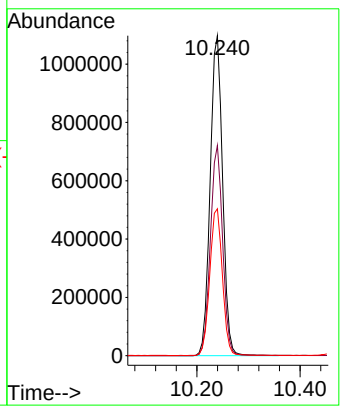




#29
2,4-Dichlorophenol
Concen: 86.313 ng
RT: 10.240 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:162 Resp: 183231

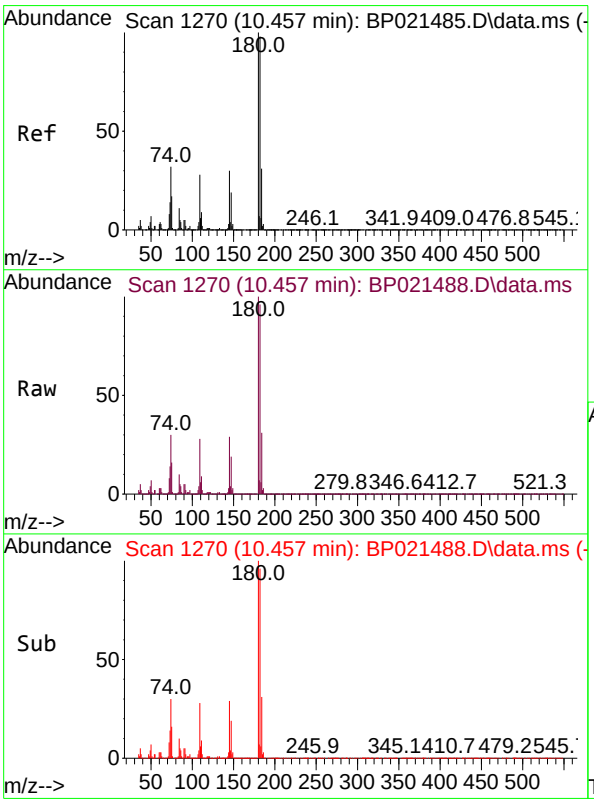
Ion	Ratio	Lower	Upper
162	100		
164	65.7	45.9	85.9
98	45.9	26.3	66.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

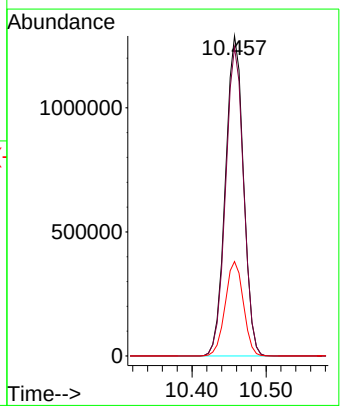
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

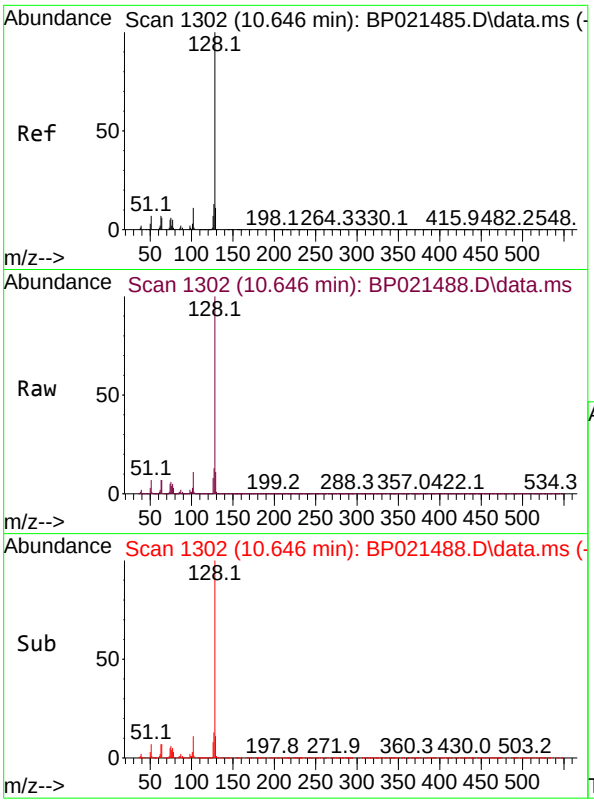


#30
1,2,4-Trichlorobenzene
Concen: 80.153 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:180 Resp: 2181467

Ion	Ratio	Lower	Upper
180	100		
182	96.4	78.3	117.5
145	29.5	24.0	36.0





#31
Naphthalene
Concen: 78.593 ng
RT: 10.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

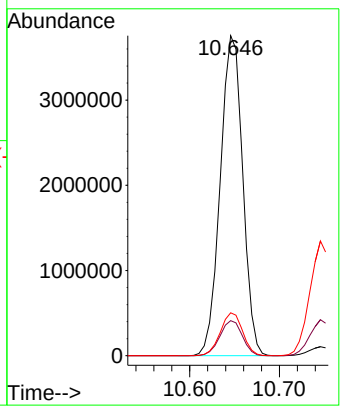
Tgt Ion:128 Resp: 653068

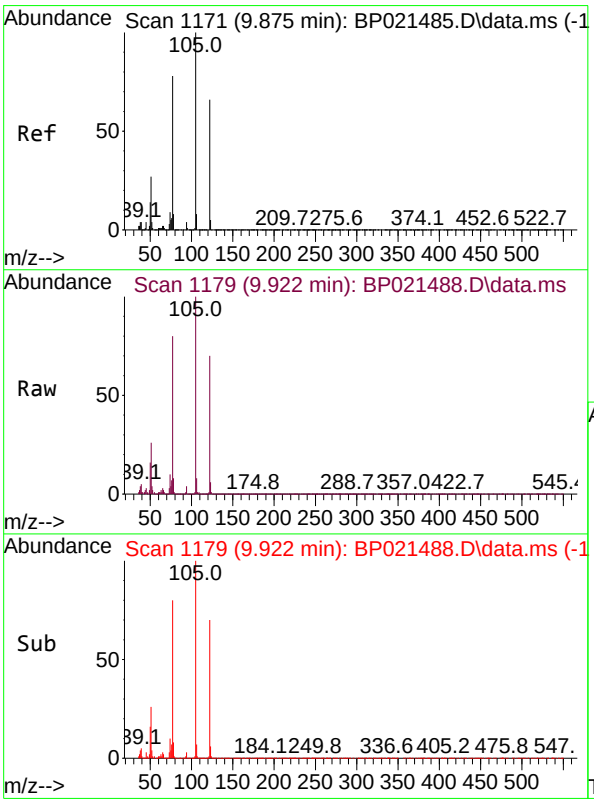
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.4	10.6	15.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

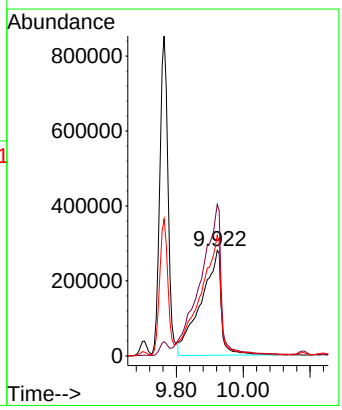


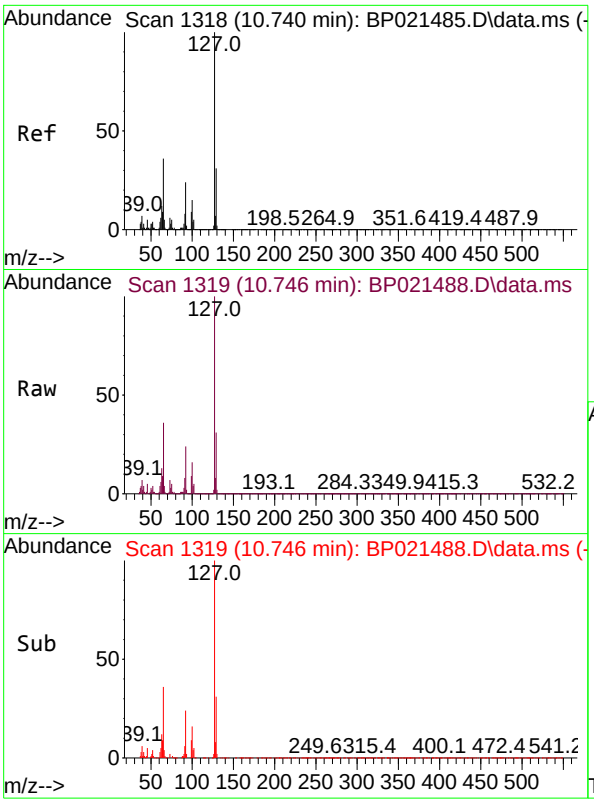


#32
Benzoic acid
Concen: 79.618 ng
RT: 9.922 min Scan# 1179
Delta R.T. 0.047 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:122 Resp: 1191515

Ion	Ratio	Lower	Upper
122	100		
105	143.7	124.6	164.6
77	114.4	96.2	136.2

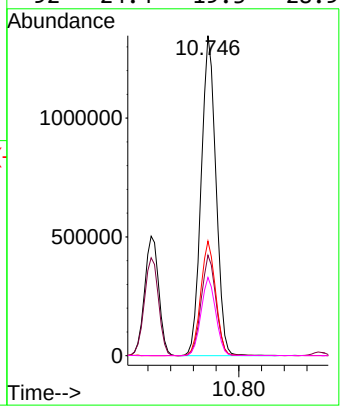




#33
4-Chloroaniline
Concen: 77.568 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:127 Resp: 242113

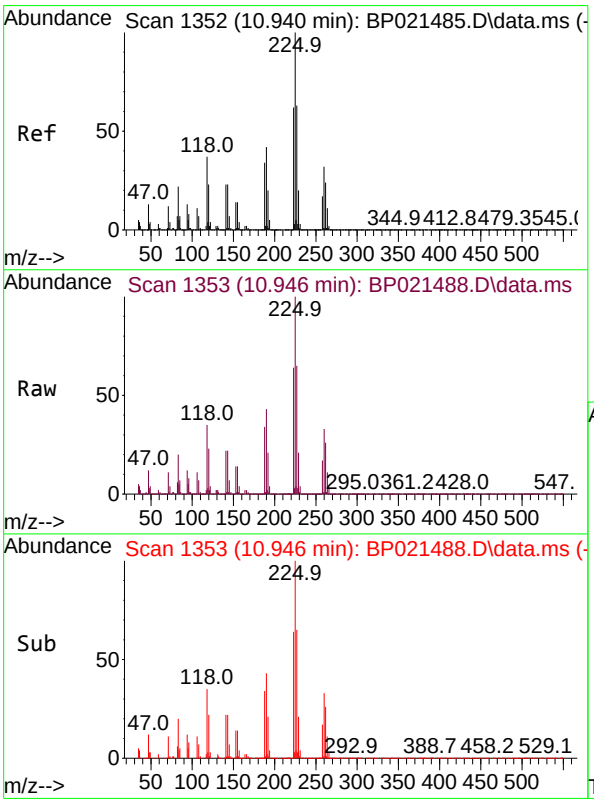
Ion	Ratio	Lower	Upper
127	100		
129	31.4	24.5	36.7
65	35.8	28.9	43.3
92	24.4	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

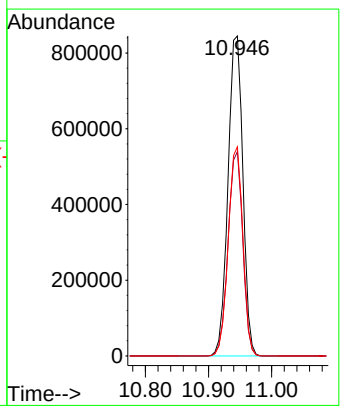
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

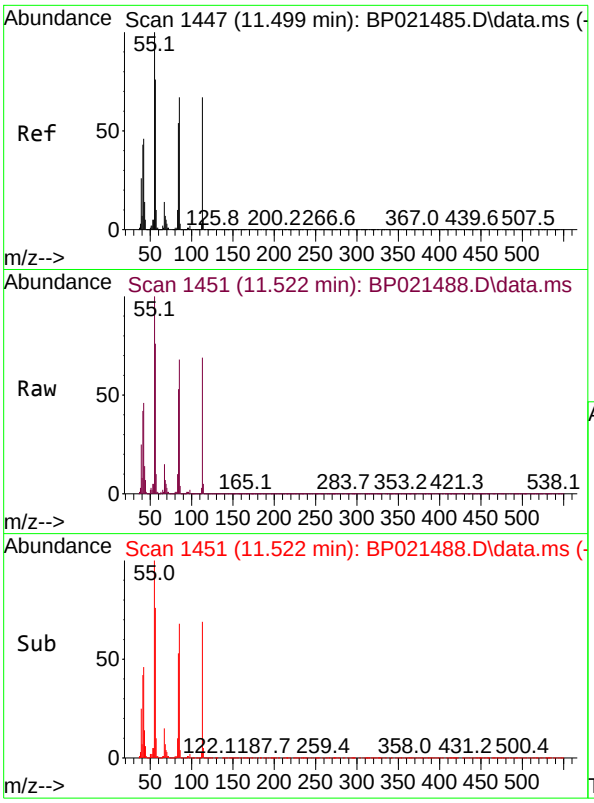


#34
Hexachlorobutadiene
Concen: 80.513 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:225 Resp: 1379696

Ion	Ratio	Lower	Upper
225	100		
223	63.8	49.6	74.4
227	65.3	50.1	75.1

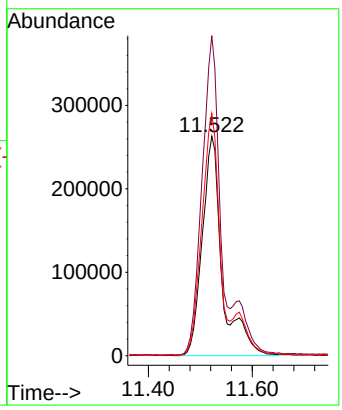




#35
Caprolactam
Concen: 79.529 ng m
RT: 11.522 min Scan# 14
Delta R.T. 0.023 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:113 Resp: 70263

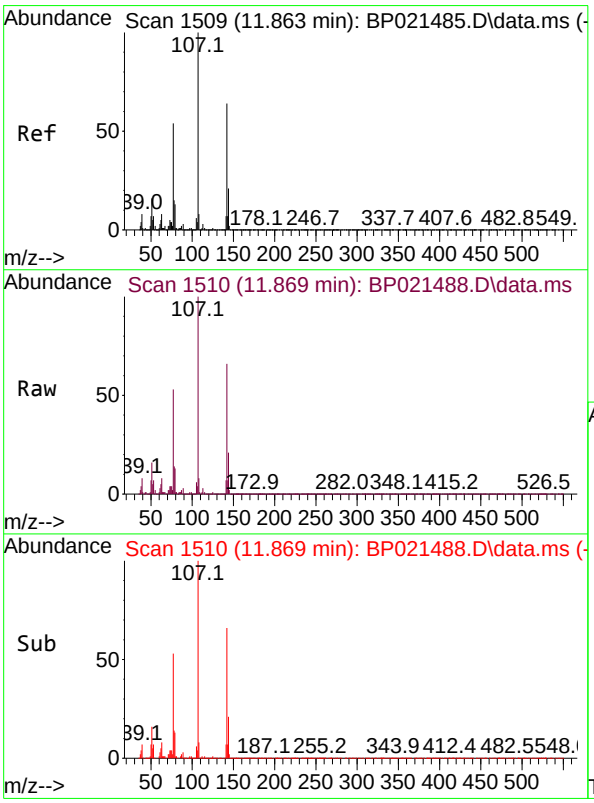
Ion	Ratio	Lower	Upper
113	100		
55	145.9	130.6	170.6
56	110.6	94.6	134.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

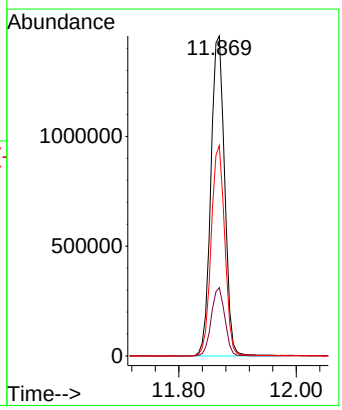
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

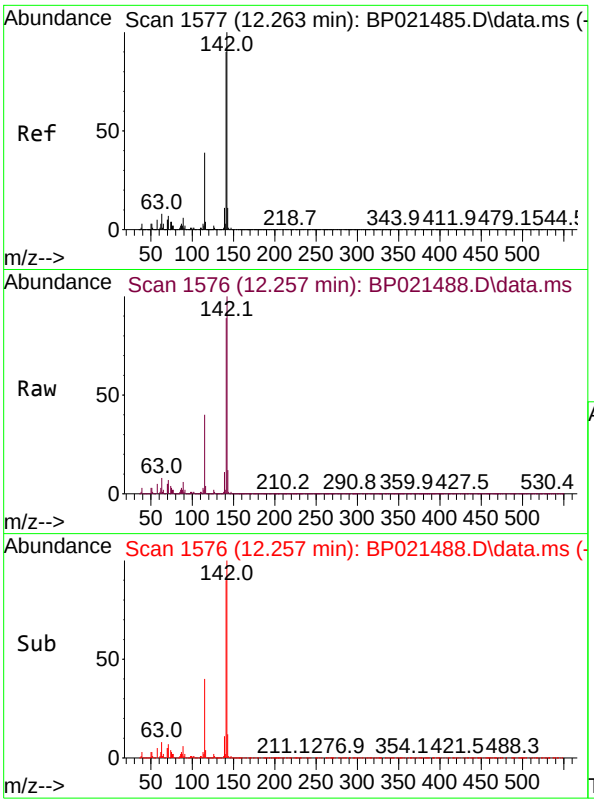


#36
4-Chloro-3-methylphenol
Concen: 80.436 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:107 Resp: 2368621

Ion	Ratio	Lower	Upper
107	100		
144	21.4	16.6	24.8
142	65.8	51.0	76.4

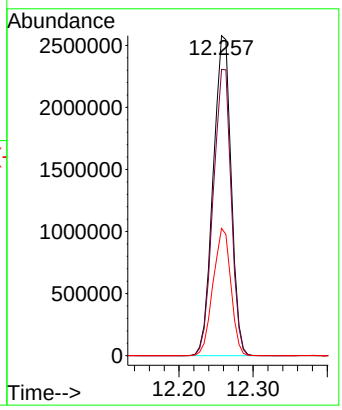




#37
2-Methylnaphthalene
Concen: 76.659 ng
RT: 12.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:142 Resp: 434743

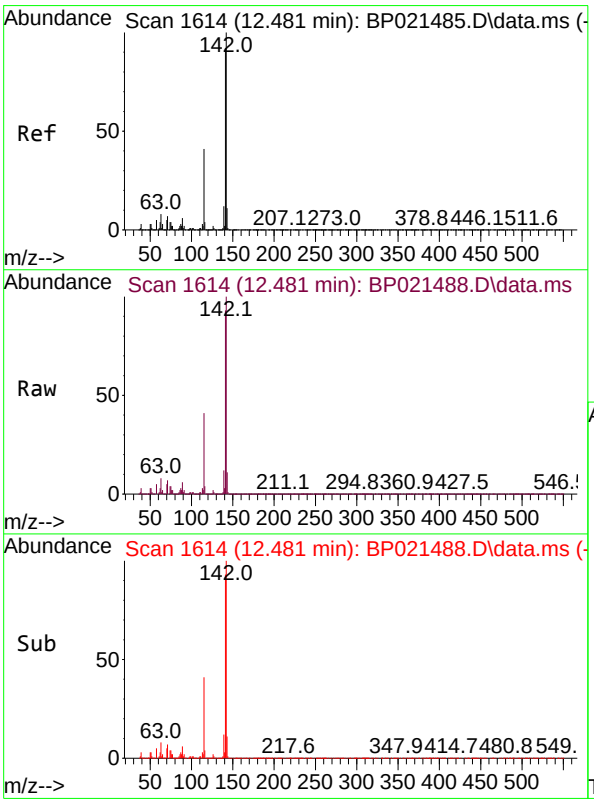
Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.7	107.5
115	39.8	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

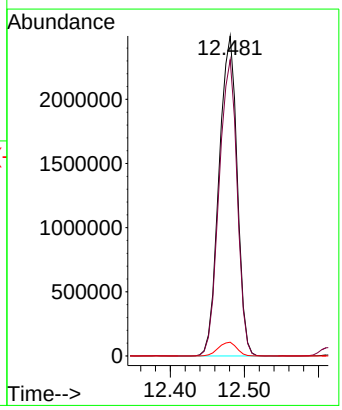
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

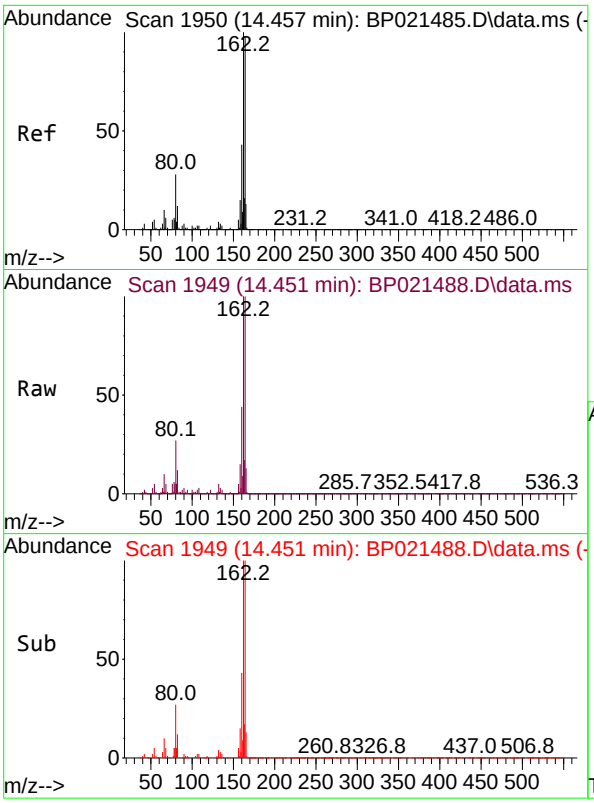


#38
1-Methylnaphthalene
Concen: 75.769 ng
RT: 12.481 min Scan# 1614
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:142 Resp: 4237982

Ion	Ratio	Lower	Upper
142	100		
141	92.6	73.5	110.3
116	4.3	3.4	5.2

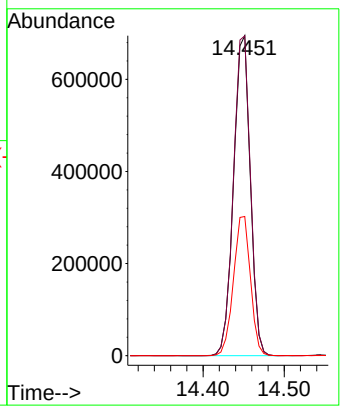




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:164 Resp: 99193

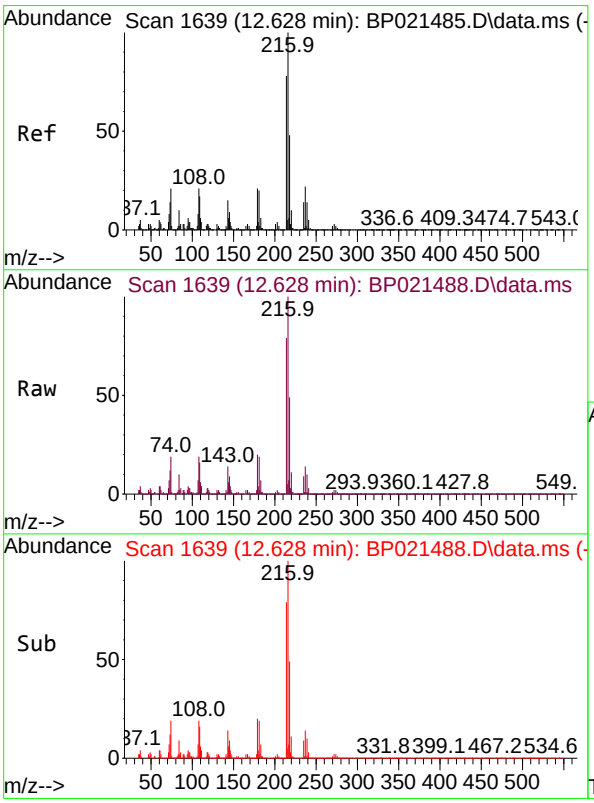
Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.5	122.3
160	43.5	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

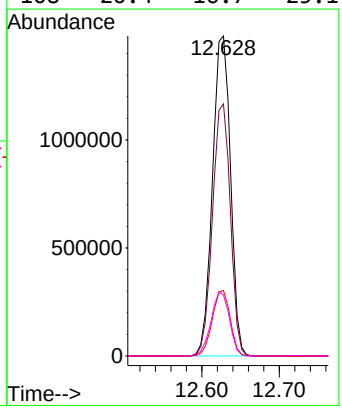
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

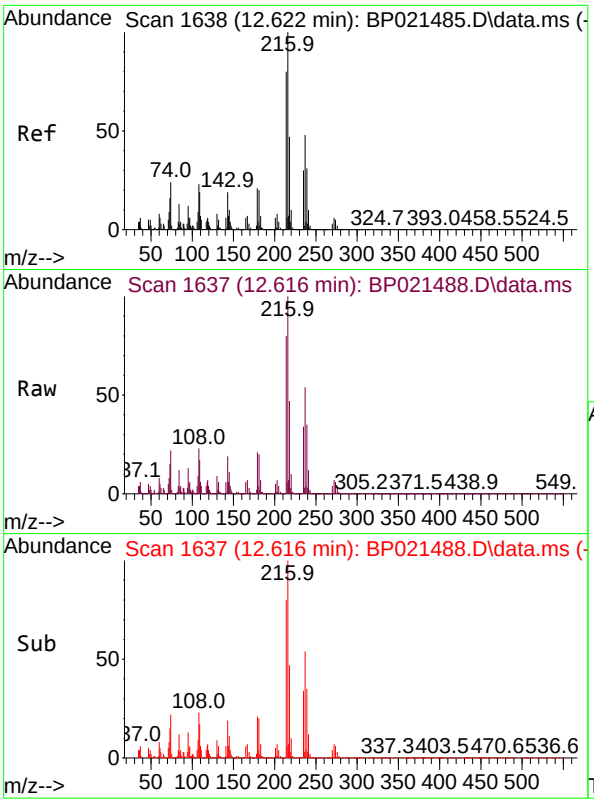


#40
1,2,4,5-Tetrachlorobenzene
Concen: 82.416 ng
RT: 12.628 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:216 Resp: 2395337

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.5	93.7
179	20.3	16.4	24.6
108	20.4	16.7	25.1

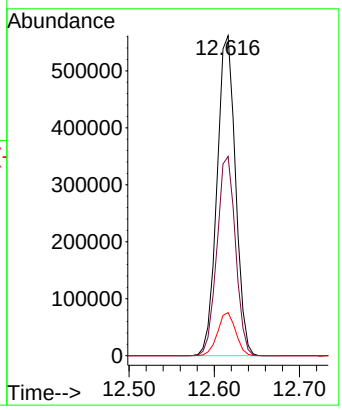




#41
Hexachlorocyclopentadiene
Concen: 91.971 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:237 Resp: 84718

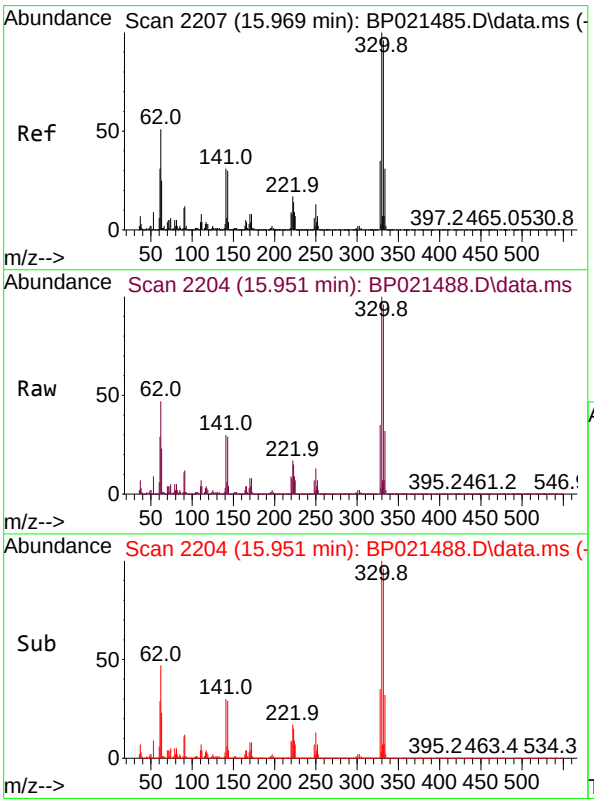
Ion	Ratio	Lower	Upper
237	100		
235	62.3	43.9	83.9
272	13.4	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

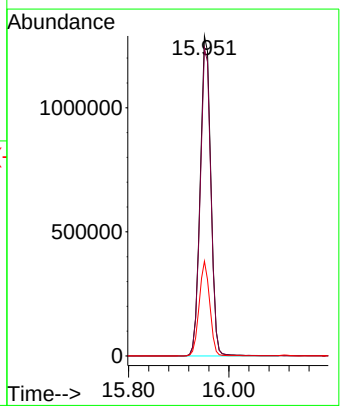
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

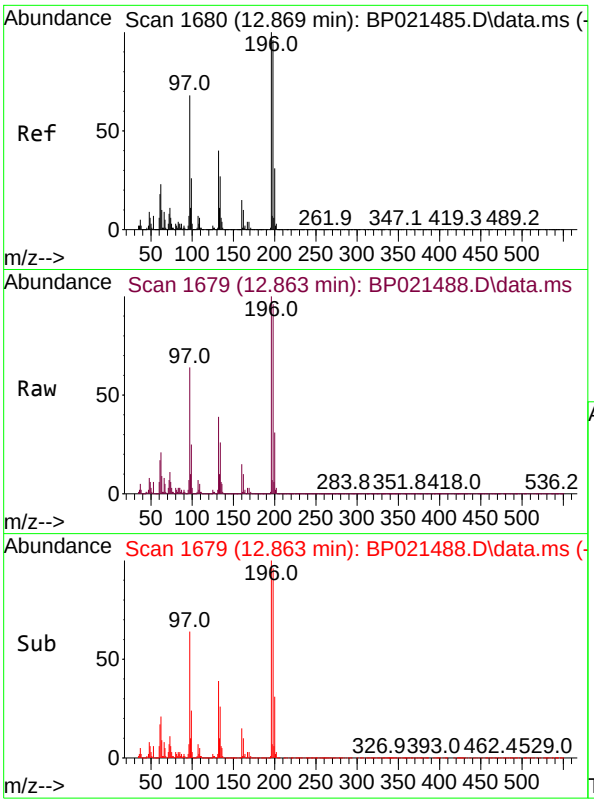


#42
2,4,6-Tribromophenol
Concen: 172.341 ng
RT: 15.951 min Scan# 2204
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:330 Resp: 1902622

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.0
141	29.3	24.5	36.7

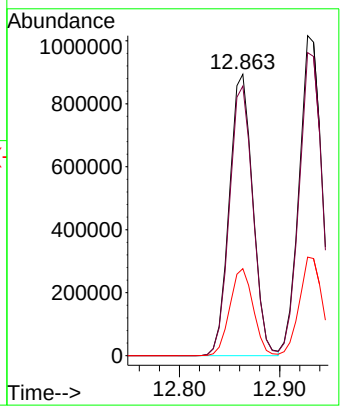




#43
2,4,6-Trichlorophenol
Concen: 90.107 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:196 Resp: 145474

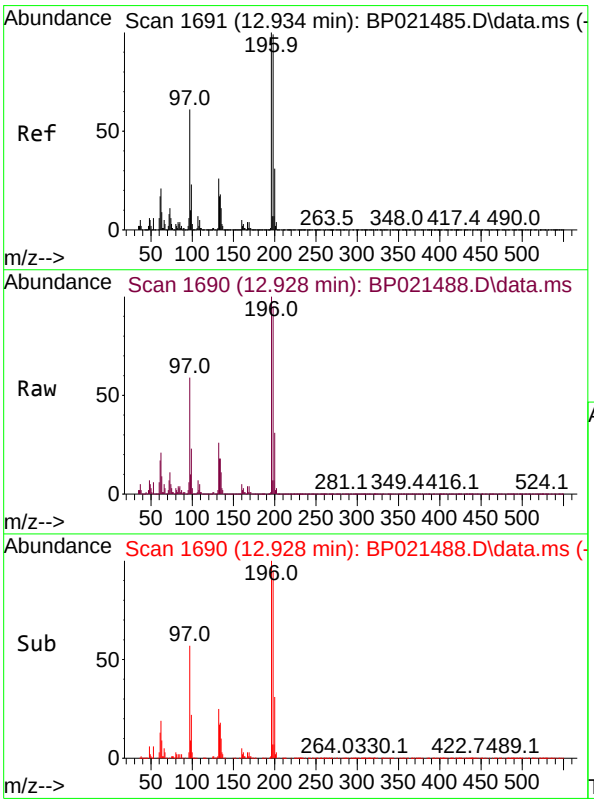
Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.6	114.8
200	30.9	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

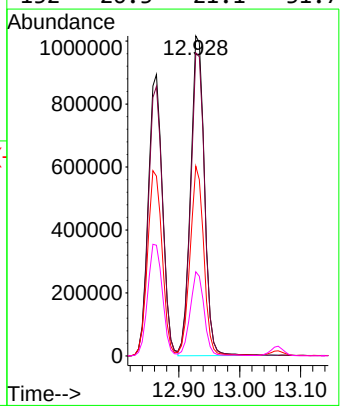
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

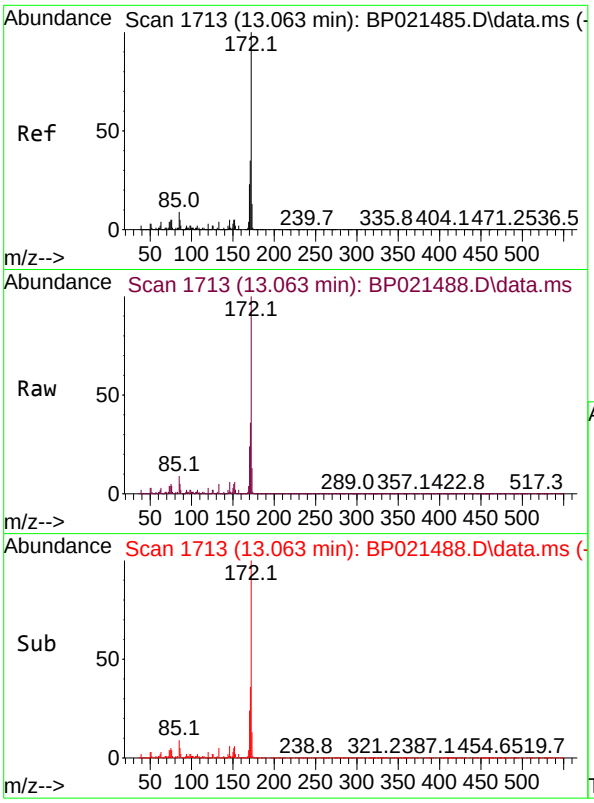


#44
2,4,5-Trichlorophenol
Concen: 89.412 ng
RT: 12.928 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:196 Resp: 1603816

Ion	Ratio	Lower	Upper
196	100		
198	94.7	78.9	118.3
97	59.3	49.4	74.0
132	26.3	21.1	31.7

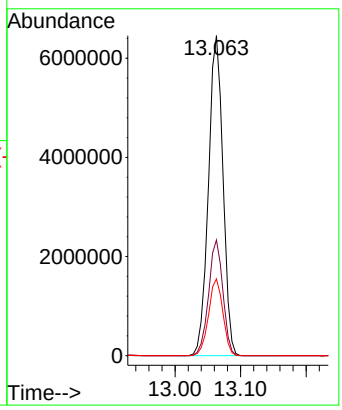




#45
2-Fluorobiphenyl
Concen: 153.020 ng
RT: 13.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:172 Resp: 994568

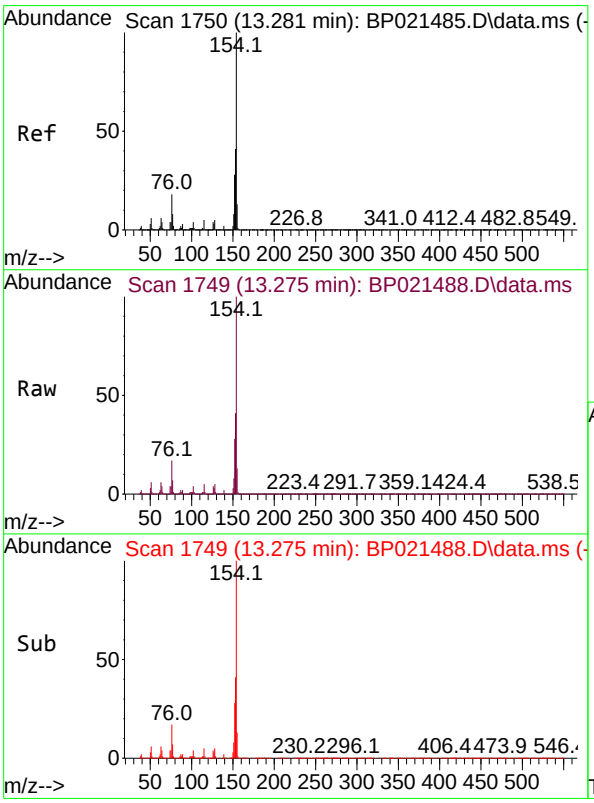
Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.2	42.4
170	24.0	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

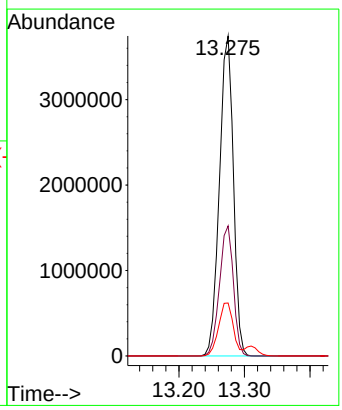
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

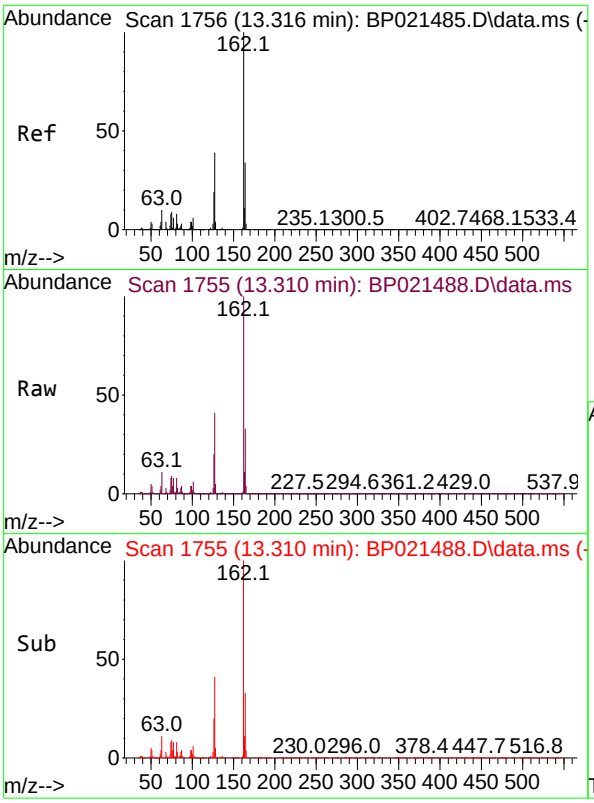


#46
1,1'-Biphenyl
Concen: 78.343 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:154 Resp: 5498161

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.7	60.7
76	16.6	0.0	37.7

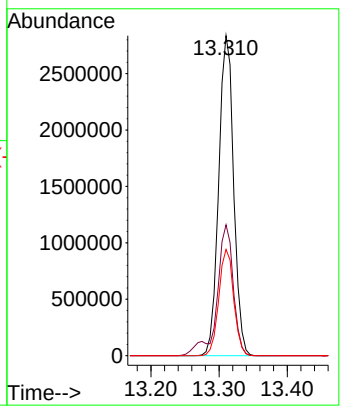




#47
2-Chloronaphthalene
Concen: 78.980 ng
RT: 13.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:162 Resp: 431530

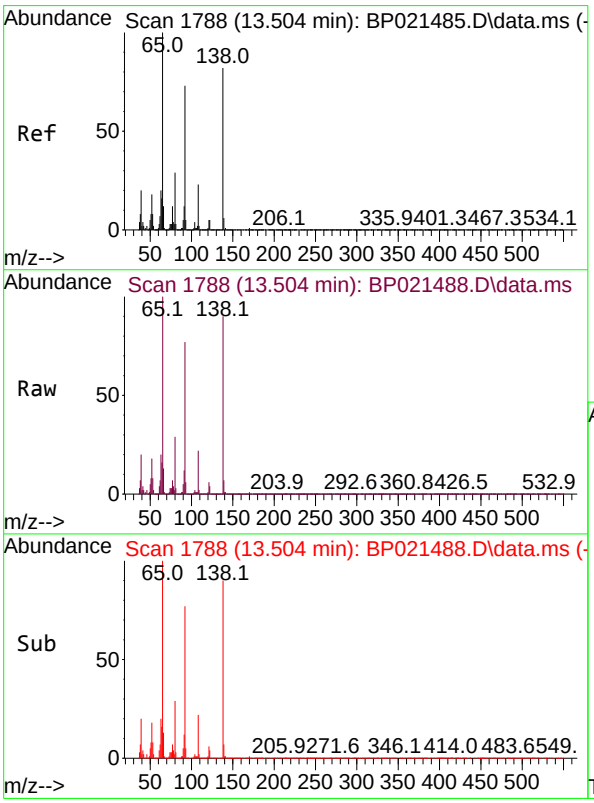
Ion	Ratio	Lower	Upper
162	100		
127	40.9	31.9	47.9
164	33.2	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

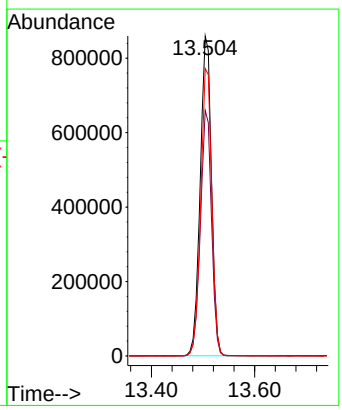
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

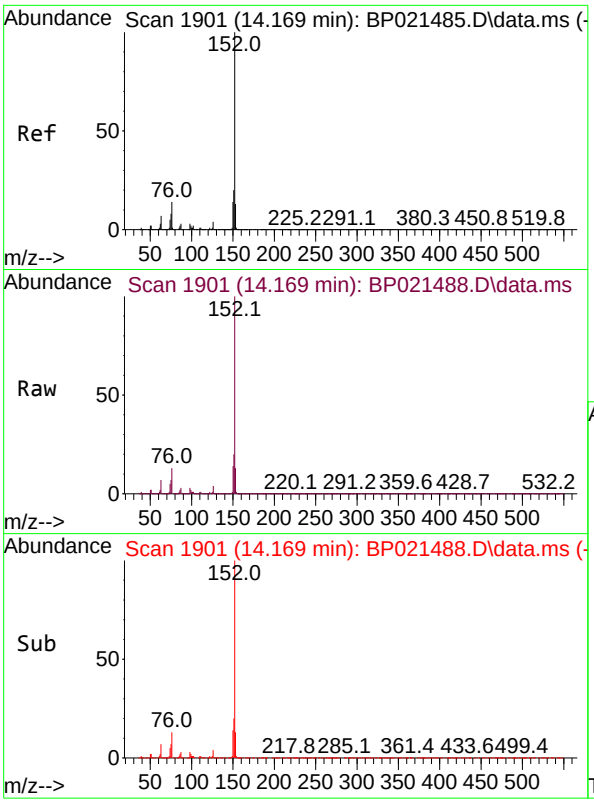


#48
2-Nitroaniline
Concen: 81.000 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 65 Resp: 1301093

Ion	Ratio	Lower	Upper
65	100		
92	76.7	58.1	87.1
138	89.8	65.5	98.3

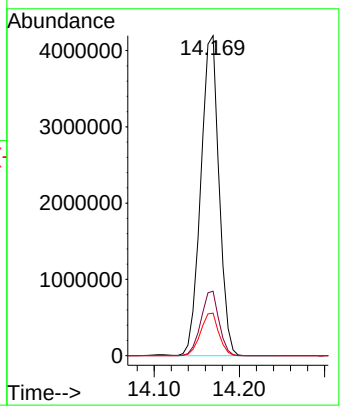




#49
Acenaphthylene
Concen: 77.556 ng
RT: 14.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:152 Resp: 622937

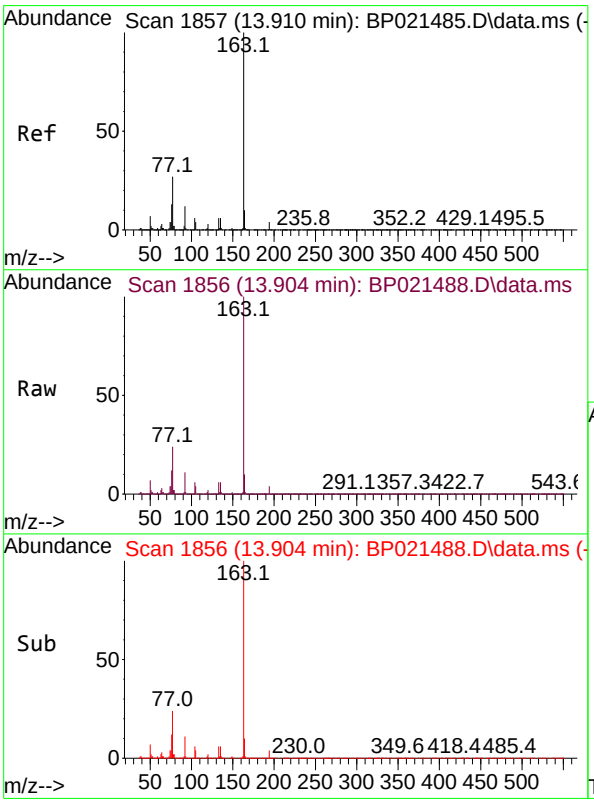
Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

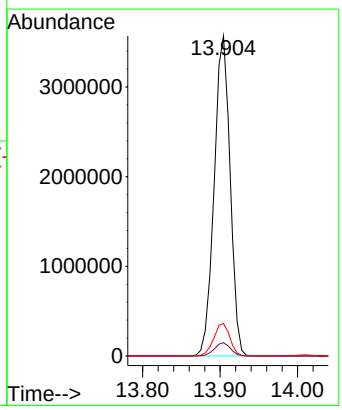
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

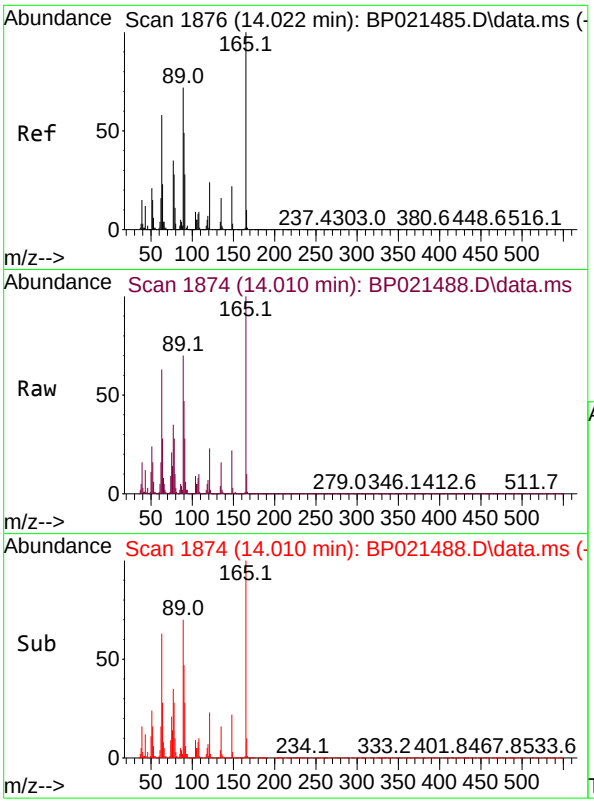


#50
Dimethylphthalate
Concen: 76.844 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:163 Resp: 5104657

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.2	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 80.745 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

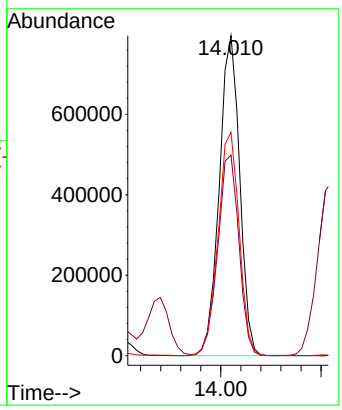
Tgt Ion:165 Resp: 112187

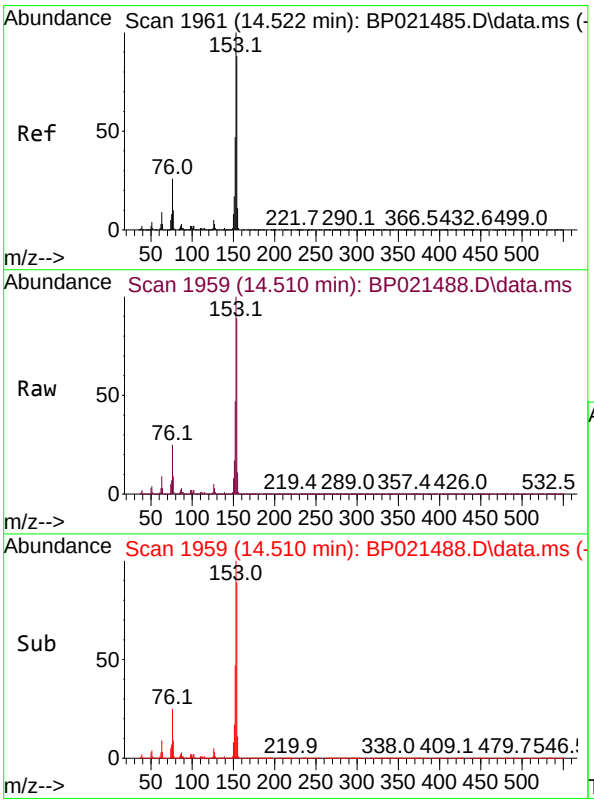
Ion	Ratio	Lower	Upper
165	100		
63	62.7	51.5	77.3
89	69.8	57.8	86.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

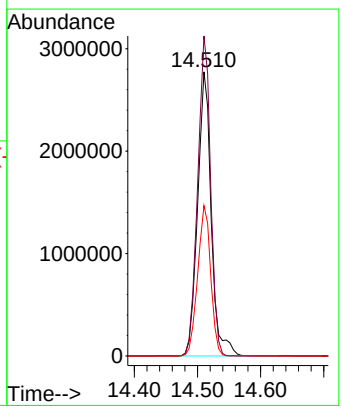


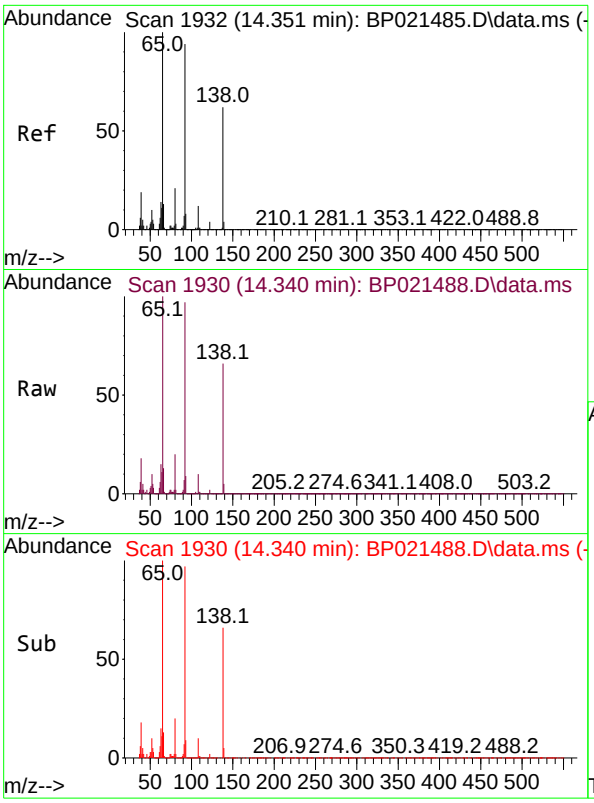


#52
Acenaphthene
Concen: 78.480 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:154 Resp: 4136001

Ion	Ratio	Lower	Upper
154	100		
153	112.6	91.1	136.7
152	52.9	43.0	64.4

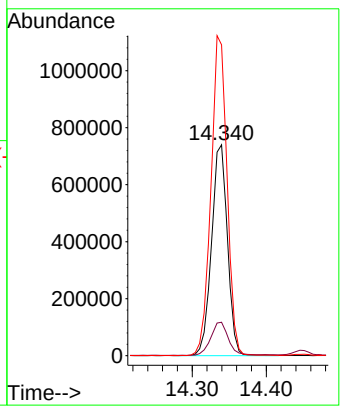




#53
3-Nitroaniline
Concen: 80.567 ng
RT: 14.340 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:138 Resp: 110015

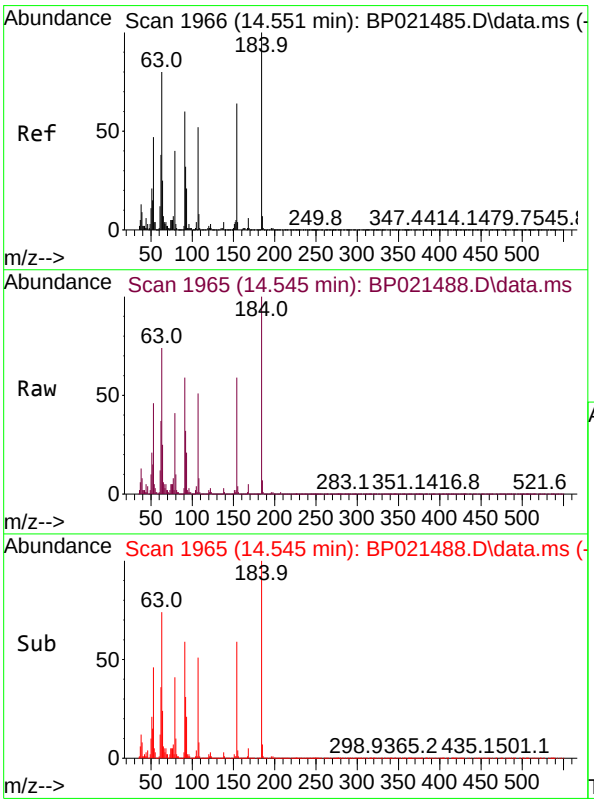
Ion	Ratio	Lower	Upper
138	100		
108	15.9	16.2	24.4
92	147.4	122.2	183.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

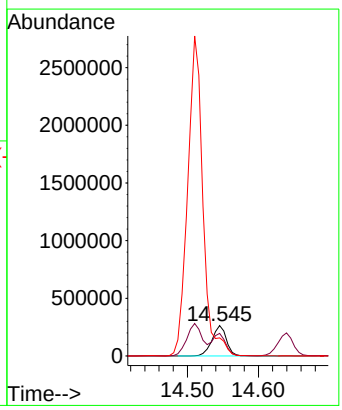
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

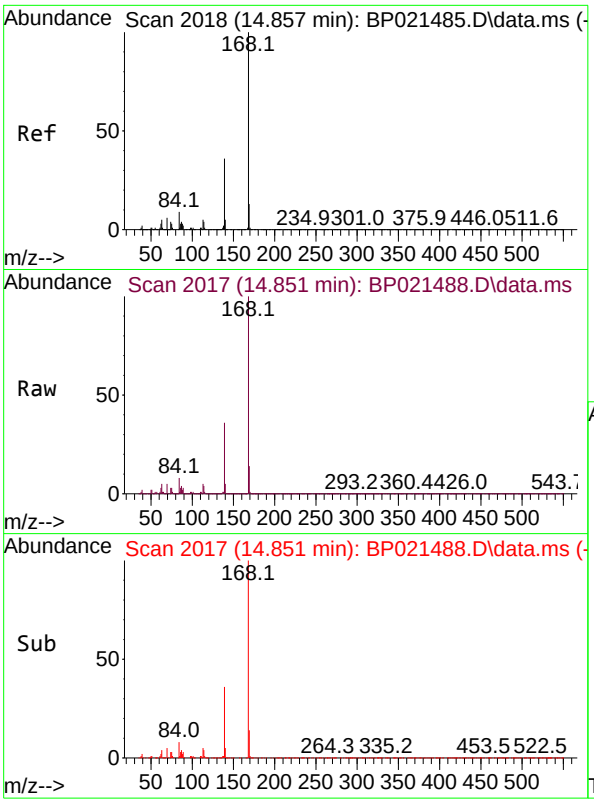


#54
2,4-Dinitrophenol
Concen: 79.528 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:184 Resp: 370353

Ion	Ratio	Lower	Upper
184	100		
63	74.3	64.9	97.3
154	59.3	52.1	78.1

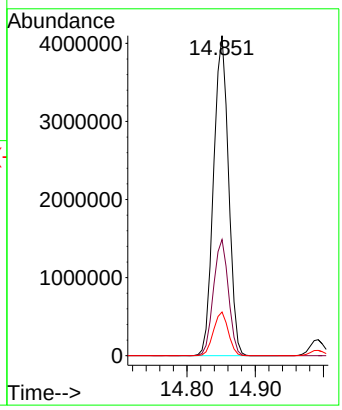




#55
Dibenzofuran
Concen: 77.067 ng
RT: 14.851 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:168 Resp: 624795

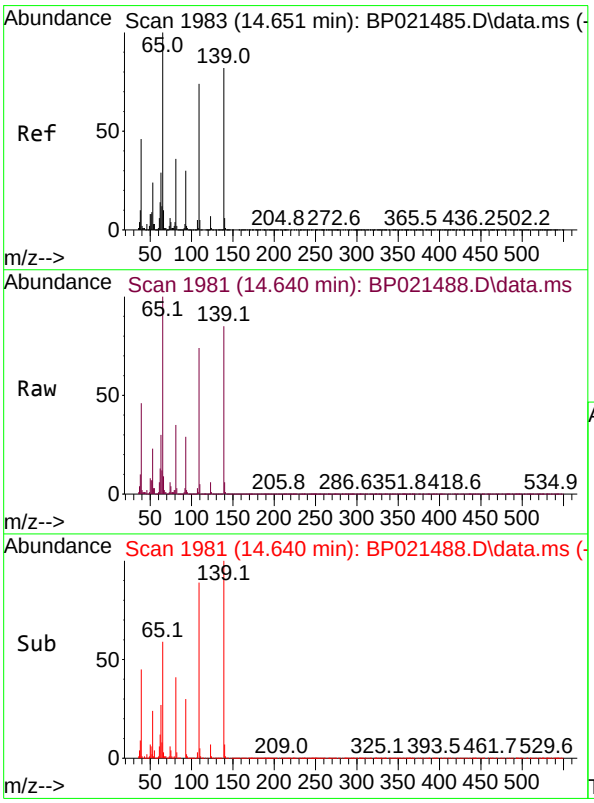
Ion	Ratio	Lower	Upper
168	100		
139	36.3	28.6	43.0
169	13.7	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

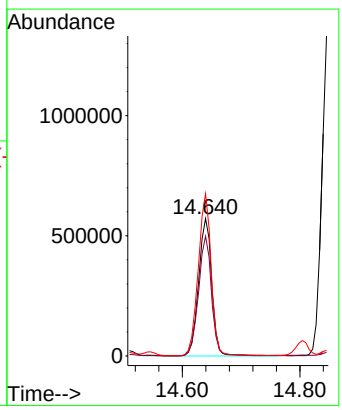
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

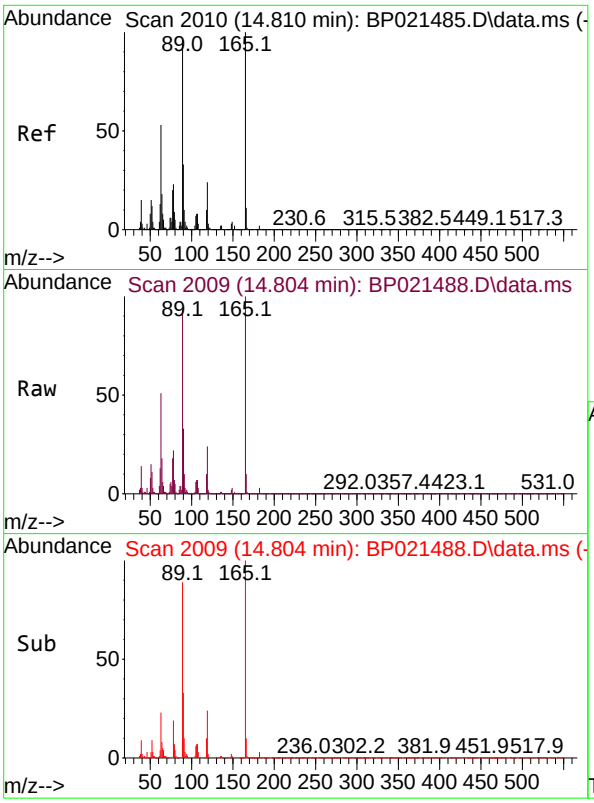


#56
4-Nitrophenol
Concen: 80.388 ng
RT: 14.640 min Scan# 1981
Delta R.T. -0.011 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:139 Resp: 885944

Ion	Ratio	Lower	Upper
139	100		
109	87.2	70.2	110.2
65	117.9	101.8	141.8

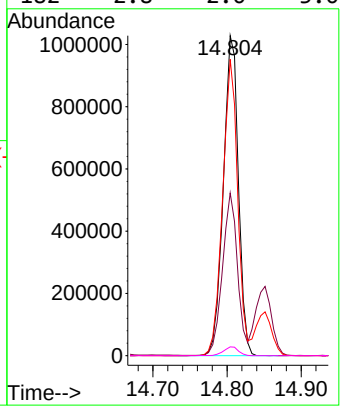




#57
2,4-Dinitrotoluene
Concen: 81.172 ng
RT: 14.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:165 Resp: 144969

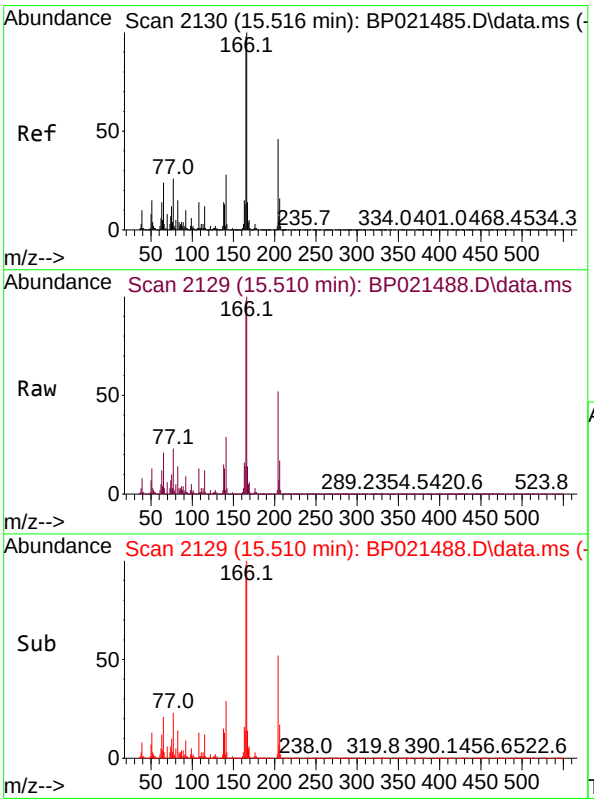
Ion	Ratio	Lower	Upper
165	100		
63	50.8	42.5	63.7
89	92.6	77.1	115.7
182	2.8	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

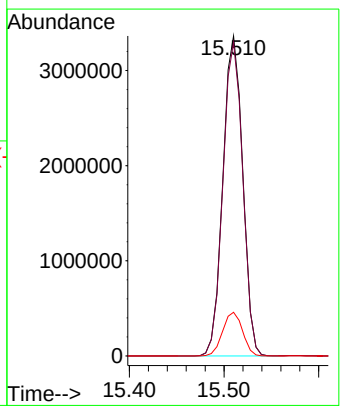
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

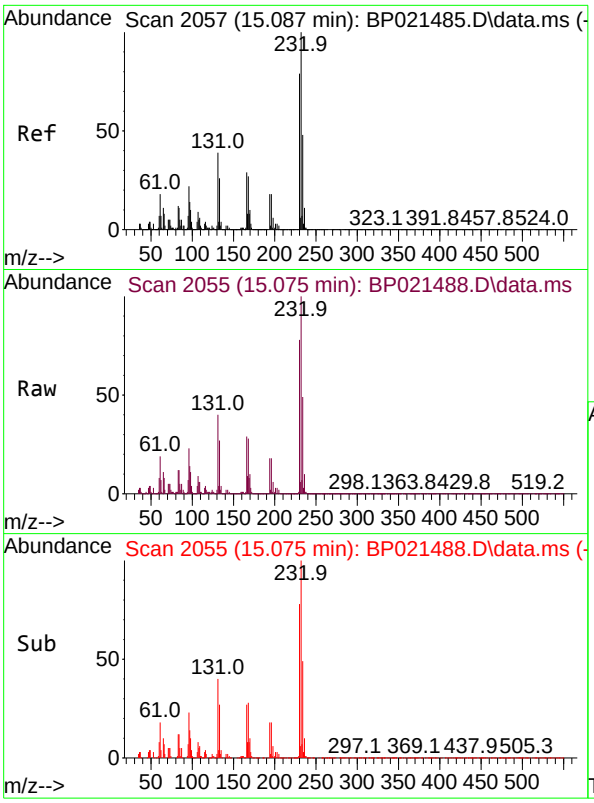


#58
Fluorene
Concen: 73.441 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:166 Resp: 4891299

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.1	117.1
167	13.6	11.0	16.4

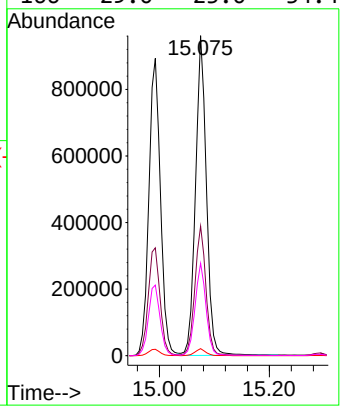




#59
2,3,4,6-Tetrachlorophenol
Concen: 86.863 ng
RT: 15.075 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:232 Resp: 132248

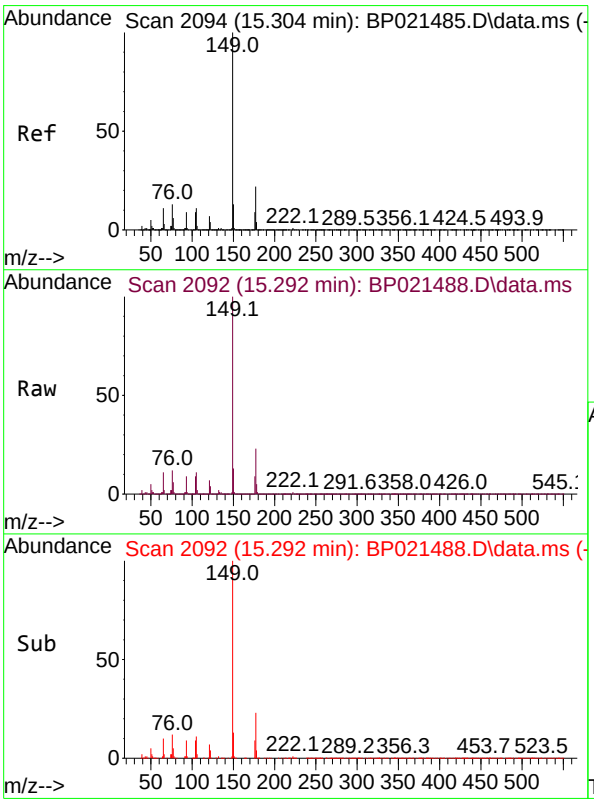
Ion	Ratio	Lower	Upper
232	100		
131	41.2	33.1	49.7
130	2.1	1.7	2.5
166	29.0	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

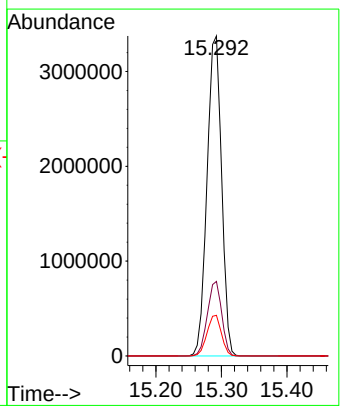
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

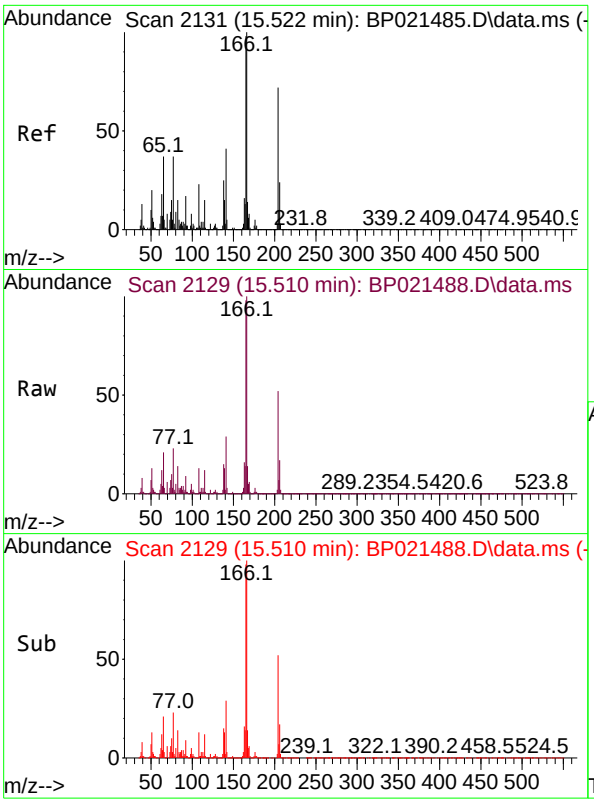


#60
Diethylphthalate
Concen: 76.268 ng
RT: 15.292 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:149 Resp: 5198353

Ion	Ratio	Lower	Upper
149	100		
177	23.3	17.8	26.8
150	12.7	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 74.256 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

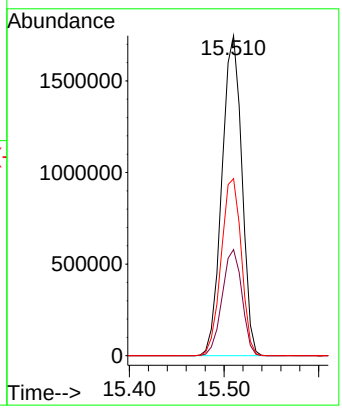
Tgt Ion:204 Resp: 255641

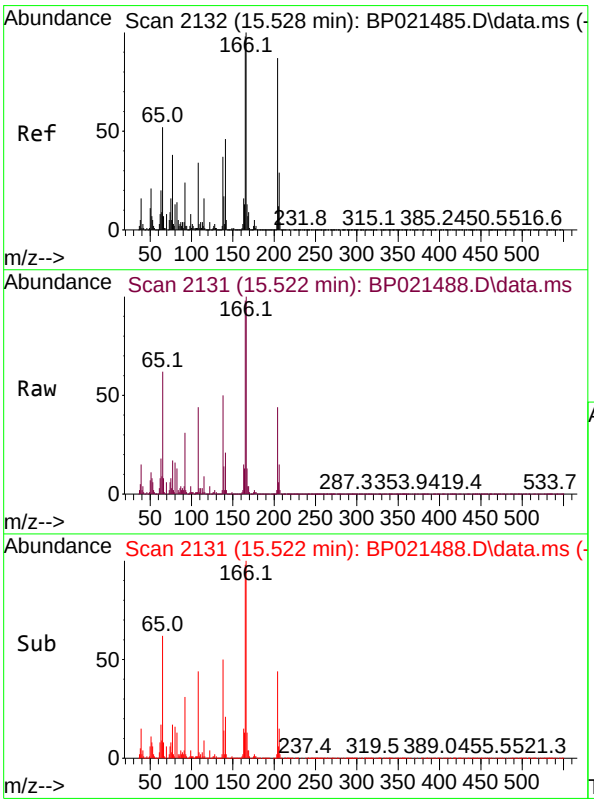
Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.4	39.6
141	55.3	46.1	69.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

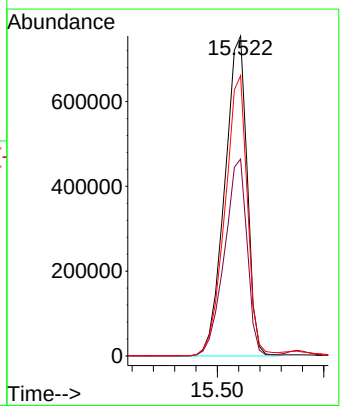


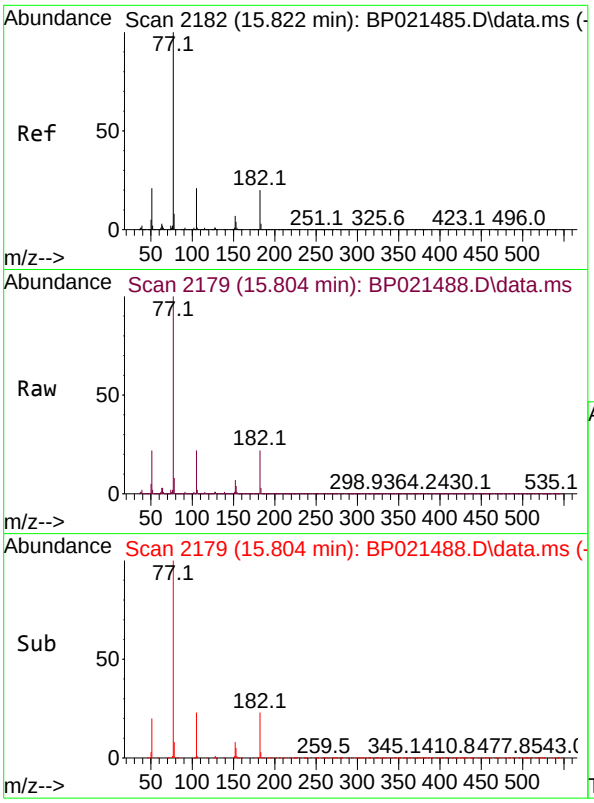


#62
4-Nitroaniline
Concen: 79.329 ng
RT: 15.522 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:138 Resp: 1101954

Ion	Ratio	Lower	Upper
138	100		
92	61.5	46.4	86.4
108	87.6	73.2	113.2

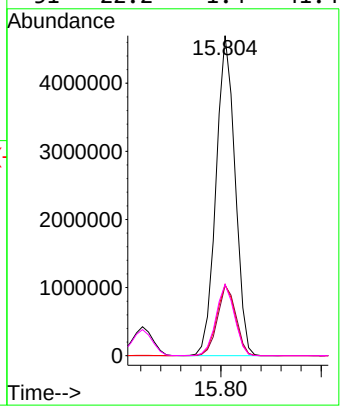




#63
Azobenzene
Concen: 73.633 ng
RT: 15.804 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 77 Resp: 616925

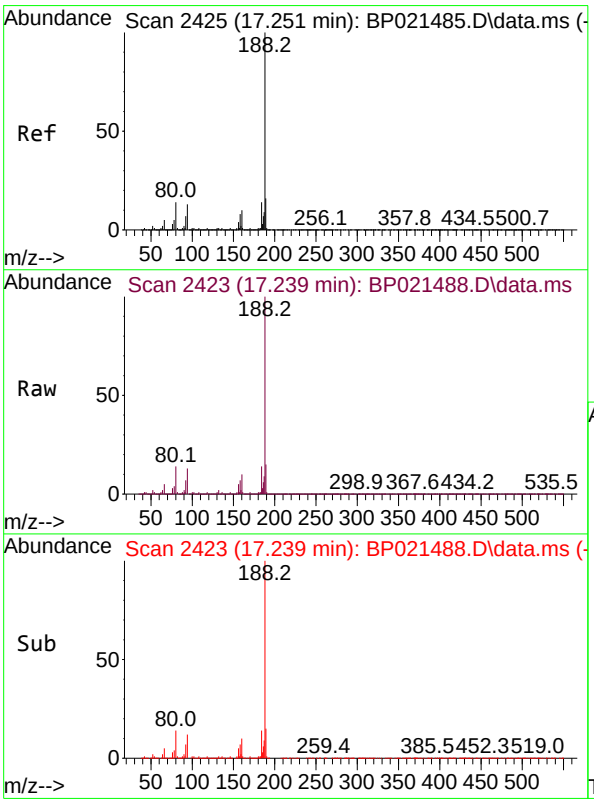
Ion	Ratio	Lower	Upper
77	100		
182	22.0	0.0	39.9
105	22.2	0.9	40.9
51	22.2	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

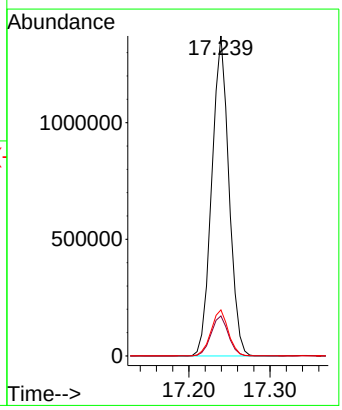
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

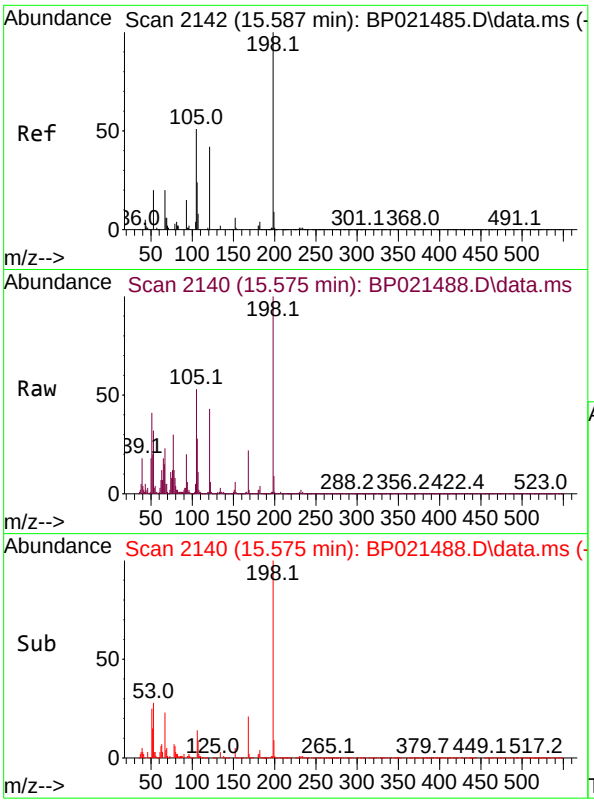


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:188 Resp: 2007991

Ion	Ratio	Lower	Upper
188	100		
94	12.5	10.2	15.4
80	14.4	11.6	17.4

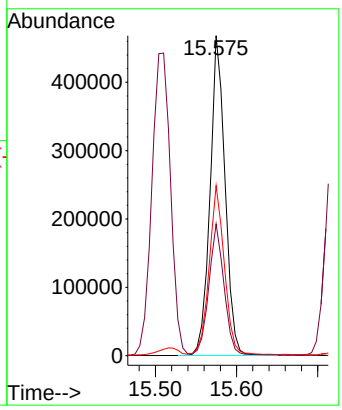




#65
4,6-Dinitro-2-methylphenol
Concen: 79.442 ng
RT: 15.575 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:198 Resp: 60008

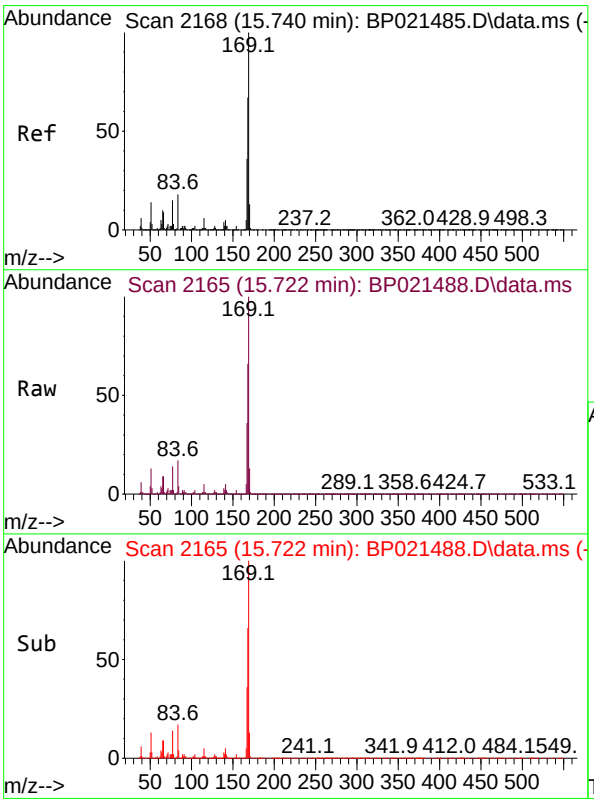
Ion	Ratio	Lower	Upper
198	100		
51	41.2	21.5	61.5
105	53.1	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

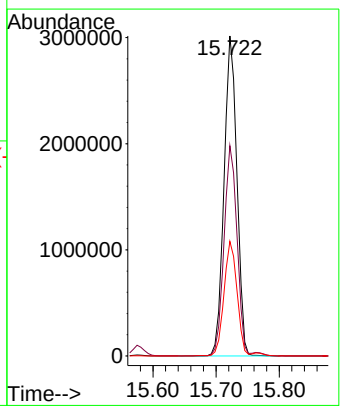
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

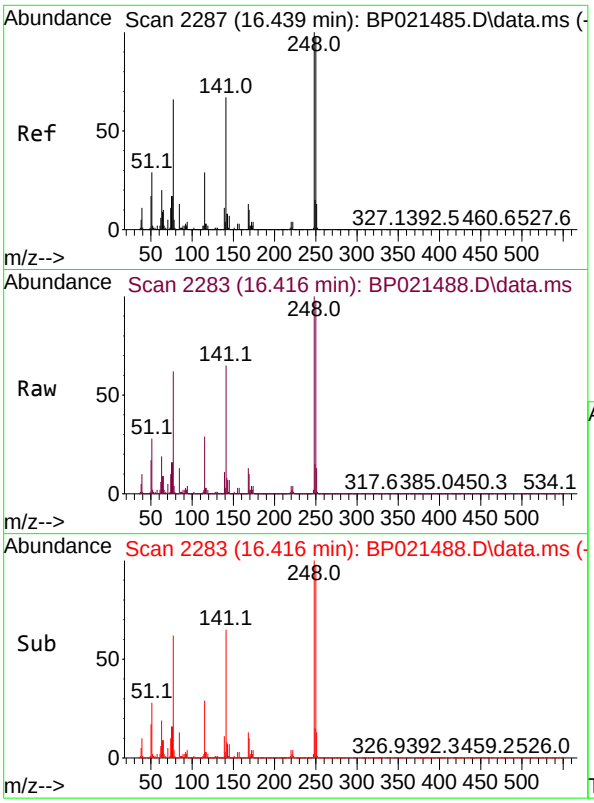


#66
n-Nitrosodiphenylamine
Concen: 79.247 ng
RT: 15.722 min Scan# 2165
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:169 Resp: 4264380

Ion	Ratio	Lower	Upper
169	100		
168	65.7	53.4	80.2
167	35.8	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 81.480 ng
RT: 16.416 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

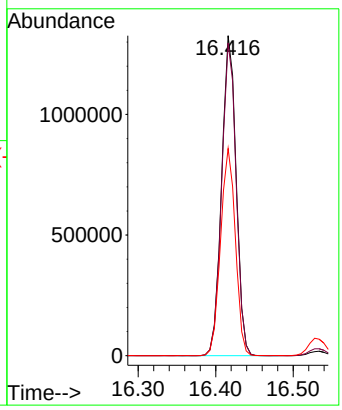
Tgt Ion:248 Resp: 173159

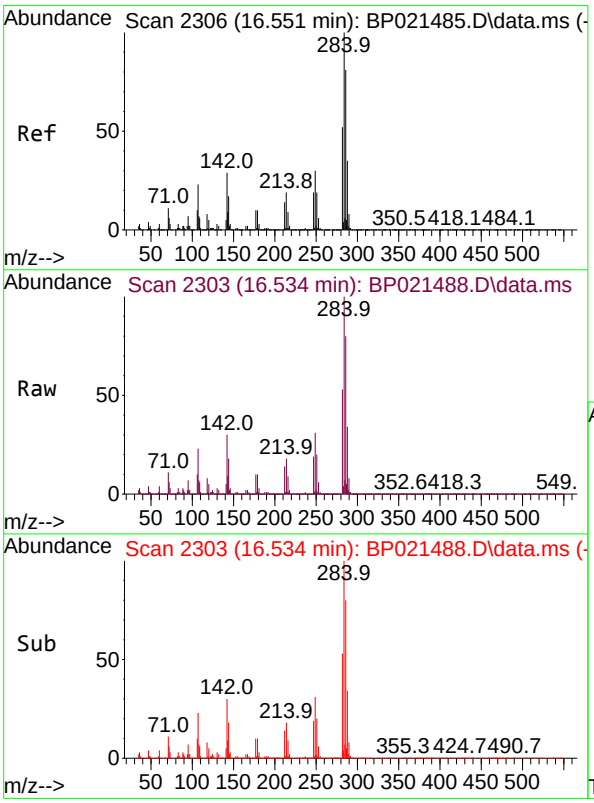
Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.6	117.8
141	64.7	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

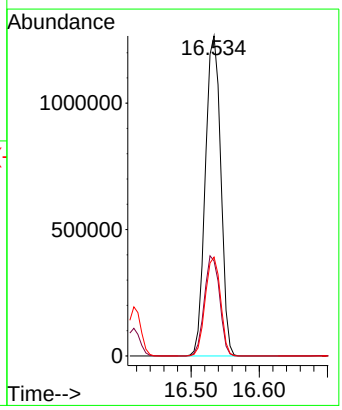


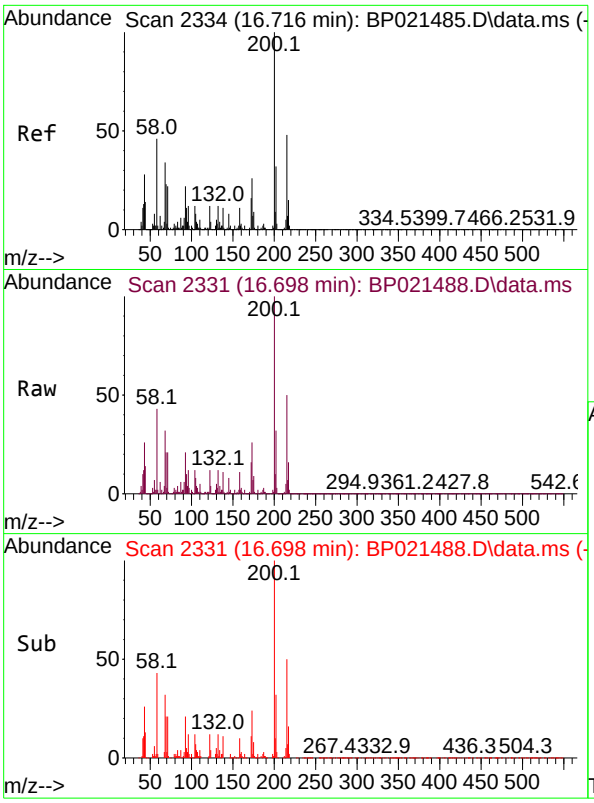


#68
Hexachlorobenzene
Concen: 79.402 ng
RT: 16.534 min Scan# 2303
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:284 Resp: 1994136

Ion	Ratio	Lower	Upper
284	100		
142	29.7	23.4	35.2
249	30.9	24.1	36.1

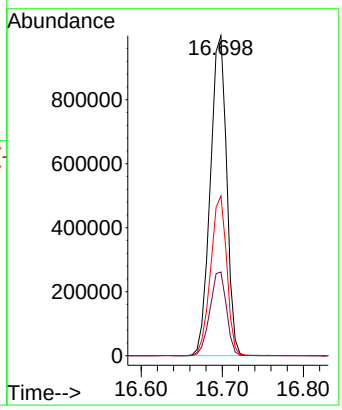




#69
Atrazine
Concen: 75.542 ng
RT: 16.698 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:200 Resp: 139564

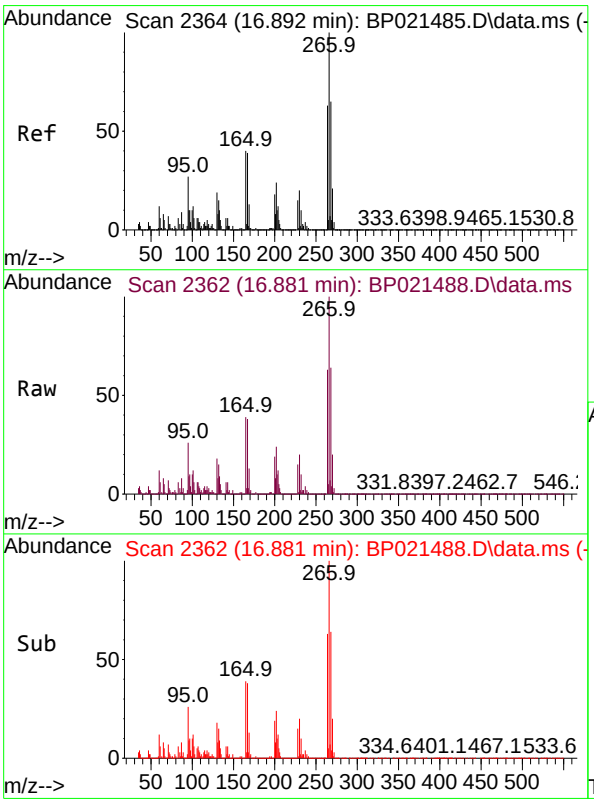
Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.2	46.2
215	49.9	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

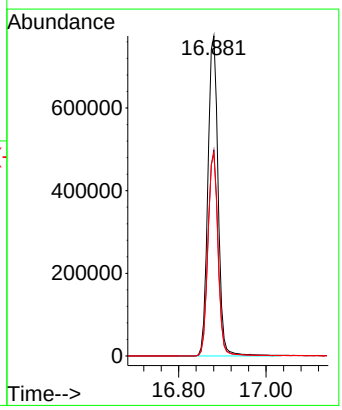
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

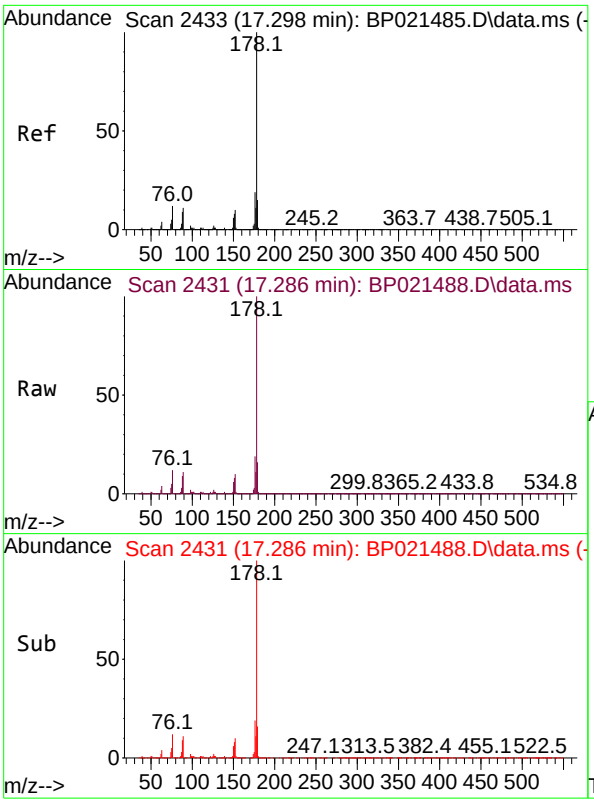


#70
Pentachlorophenol
Concen: 91.649 ng
RT: 16.881 min Scan# 2362
Delta R.T. -0.011 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:266 Resp: 1256277

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.8	77.6
264	63.3	50.5	75.7

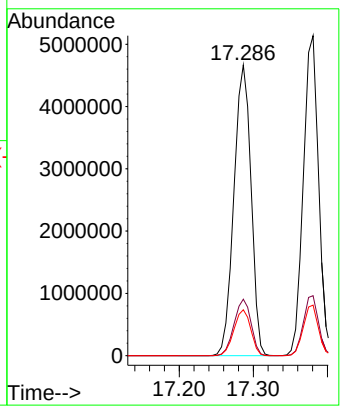




#71
Phenanthrene
Concen: 77.481 ng
RT: 17.286 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:178 Resp: 748223

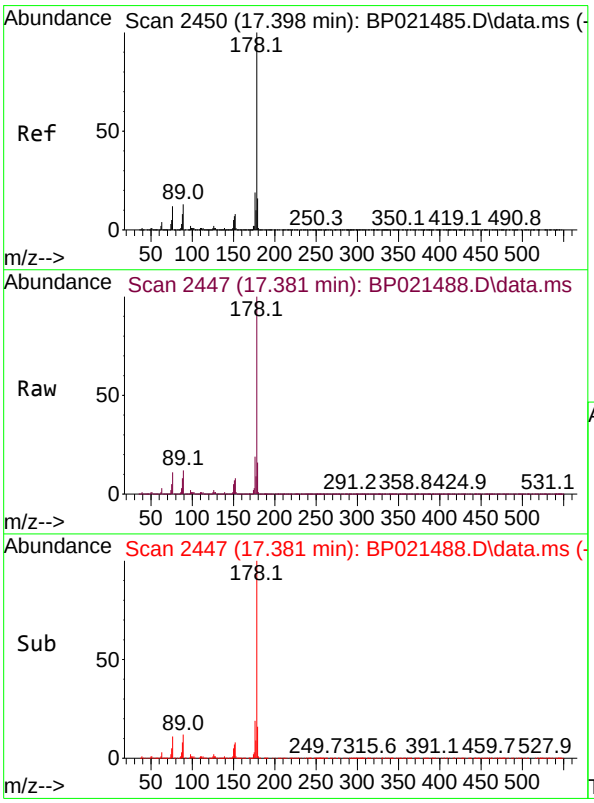
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.8	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

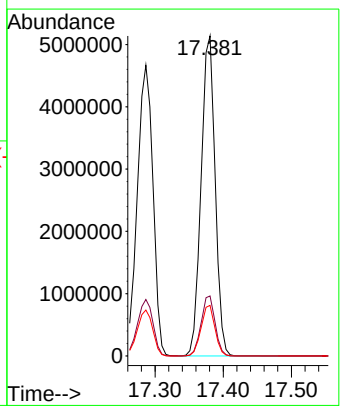
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

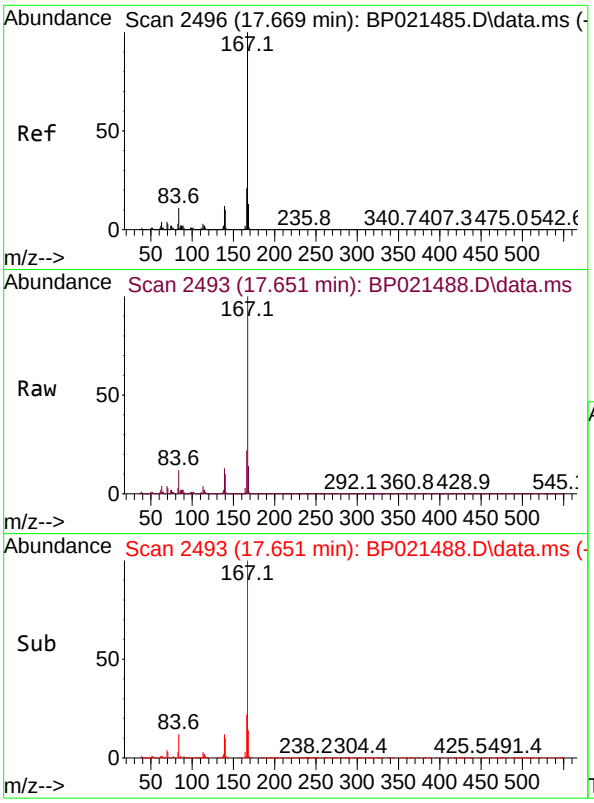


#72
Anthracene
Concen: 77.613 ng
RT: 17.381 min Scan# 2447
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:178 Resp: 7350512

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.8	12.5	18.7

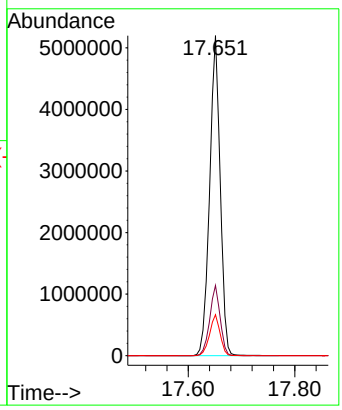




#73
Carbazole
Concen: 78.491 ng
RT: 17.651 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:167 Resp: 716394

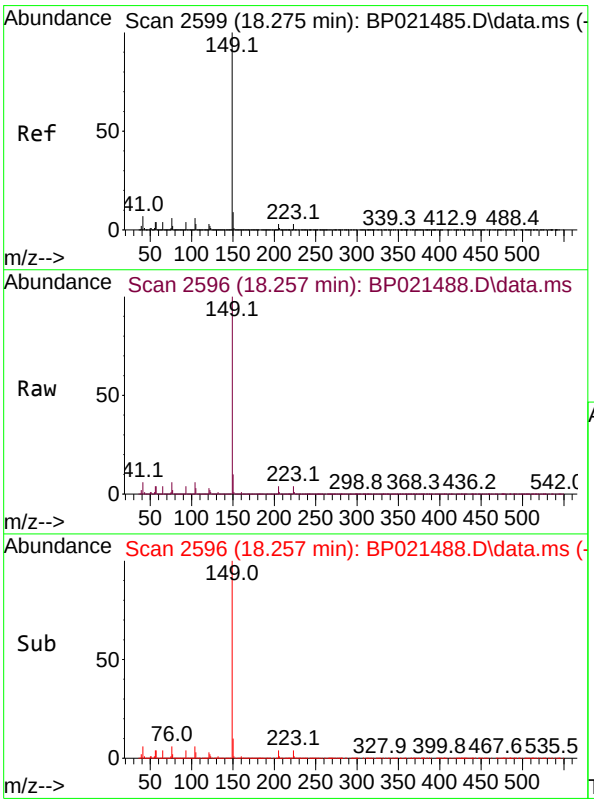
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.0	25.4
139	12.8	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

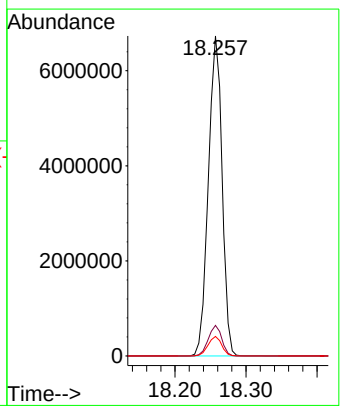
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

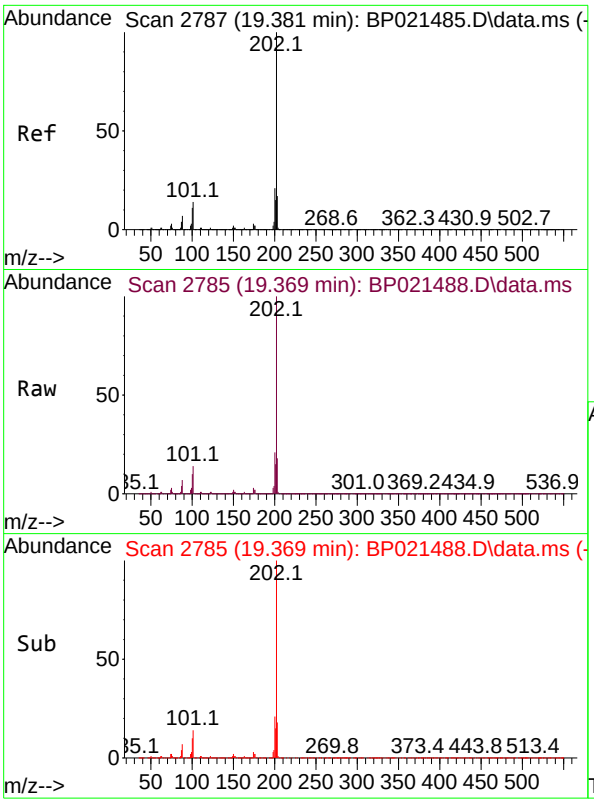


#74
Di-n-butylphthalate
Concen: 80.689 ng
RT: 18.257 min Scan# 2596
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:149 Resp: 9044596

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.5	11.3
104	6.1	4.9	7.3

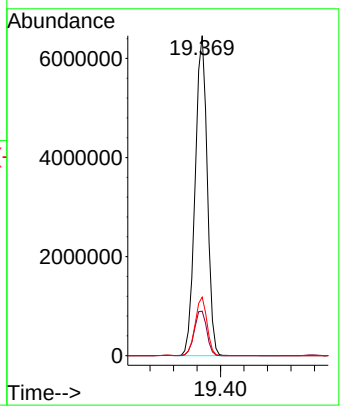




#75
Fluoranthene
Concen: 77.525 ng
RT: 19.369 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:202 Resp: 918583

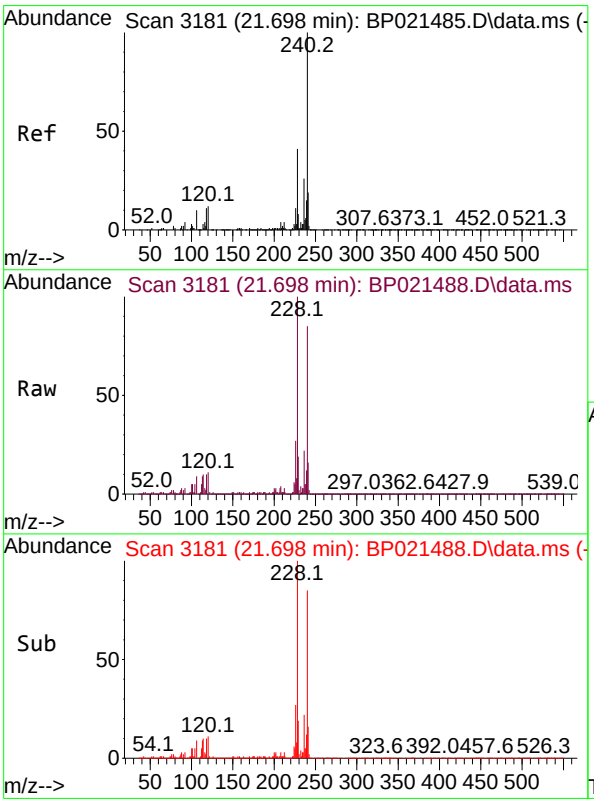
Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.0
203	18.3	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

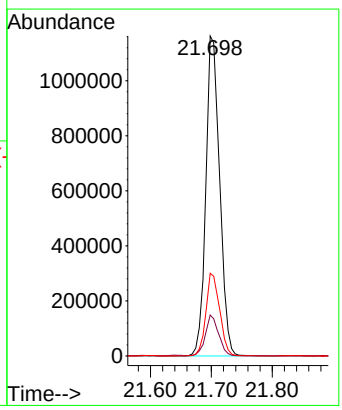
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

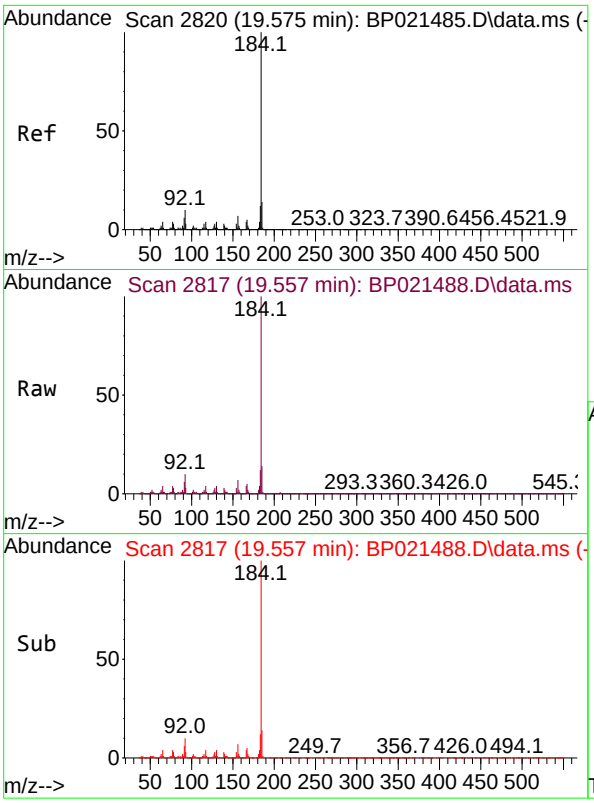


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.698 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:240 Resp: 1834396

Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.9	14.9
236	25.8	20.6	30.8

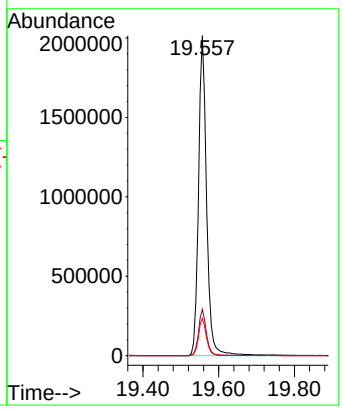




#77
Benzidine
Concen: 82.290 ng
RT: 19.557 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:184 Resp: 300061

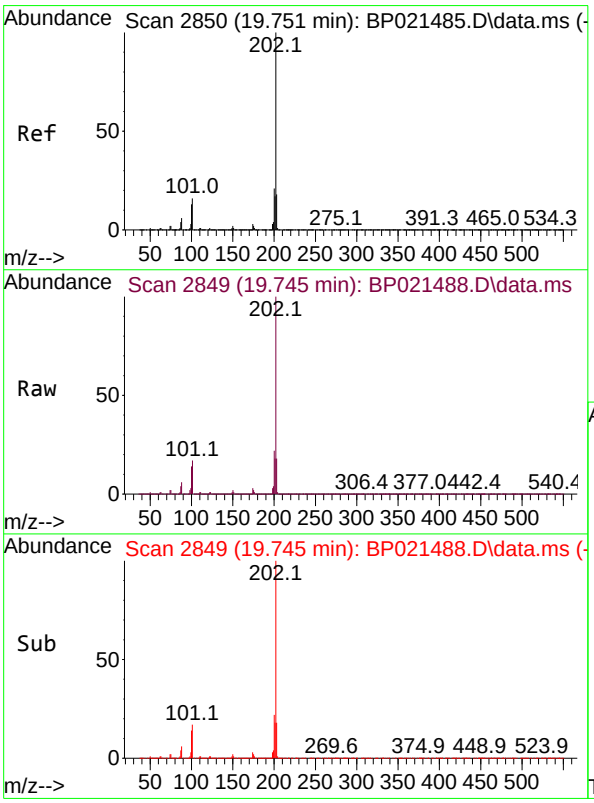
Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.4	17.0
183	11.7	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

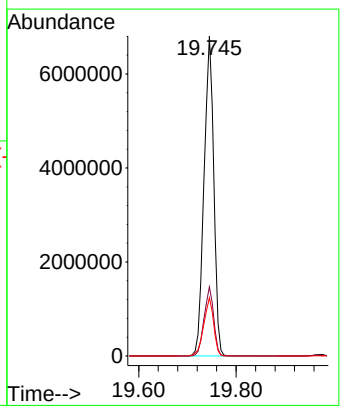
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

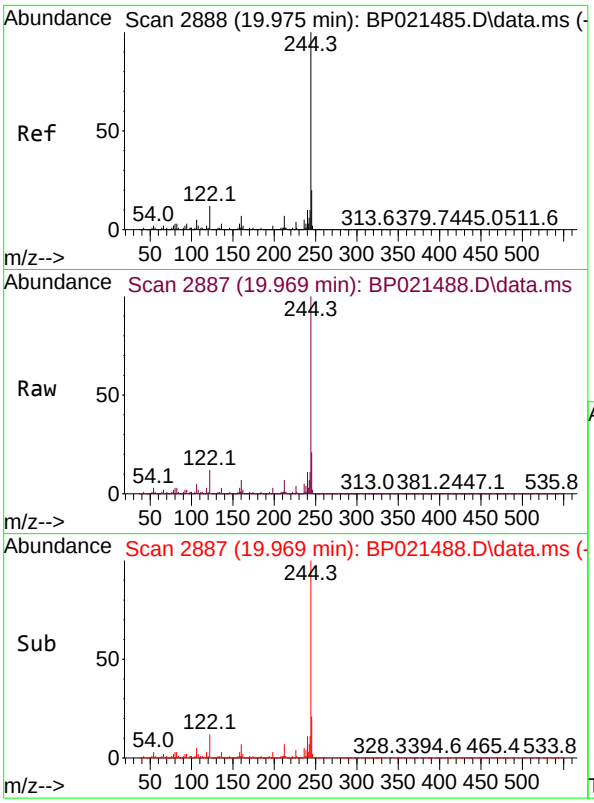


#78
Pyrene
Concen: 78.450 ng
RT: 19.745 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:202 Resp: 9406096

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.7	25.1
203	18.1	14.1	21.1

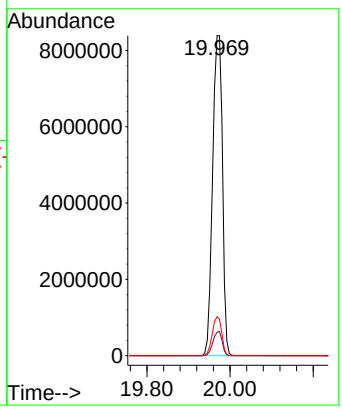




#79
Terphenyl-d14
Concen: 145.311 ng
RT: 19.969 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:244 Resp:1372075

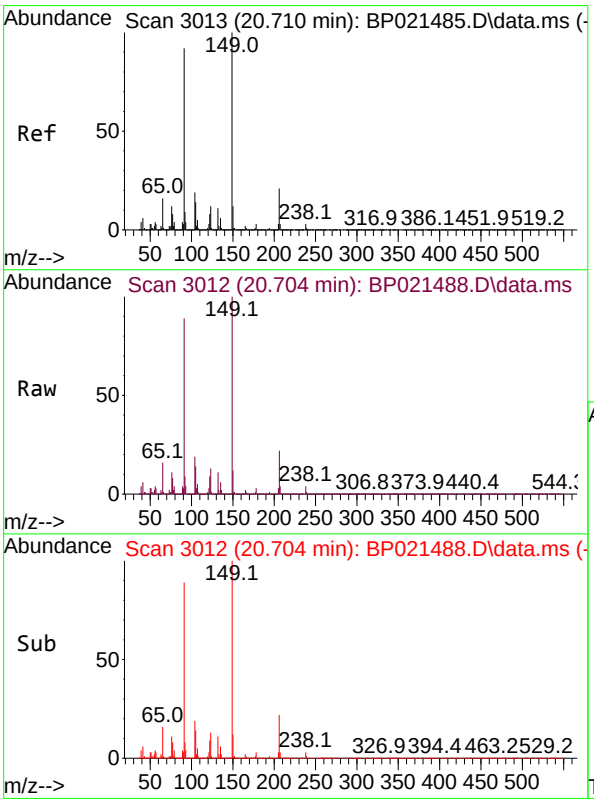
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	12.1	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

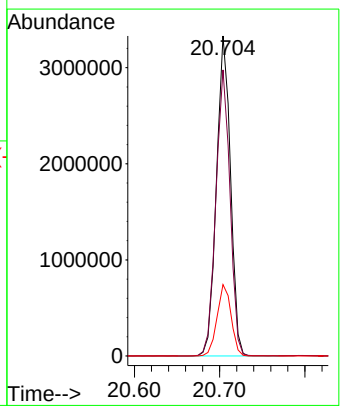
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

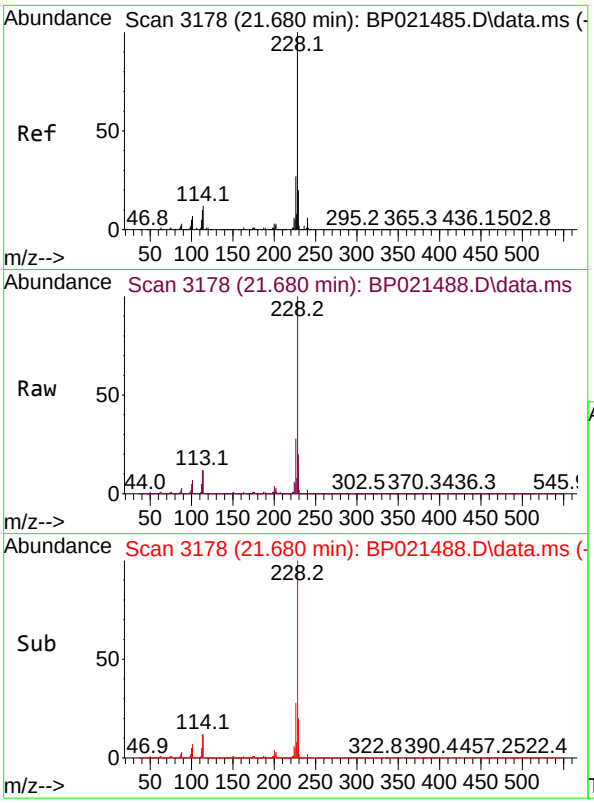


#80
Butylbenzylphthalate
Concen: 80.964 ng
RT: 20.704 min Scan# 3012
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:149 Resp: 3806046

Ion	Ratio	Lower	Upper
149	100		
91	89.4	73.3	109.9
206	22.3	17.1	25.7





#81
Benzo(a)anthracene
Concen: 79.168 ng
RT: 21.680 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

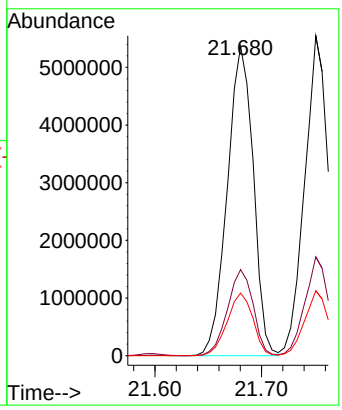
Tgt Ion:228 Resp: 911669

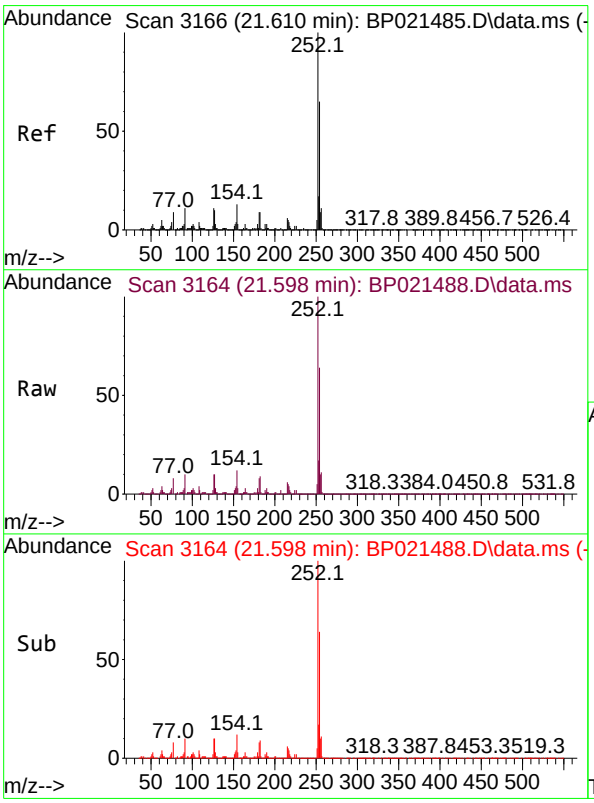
Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.4	32.2
229	20.2	15.8	23.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

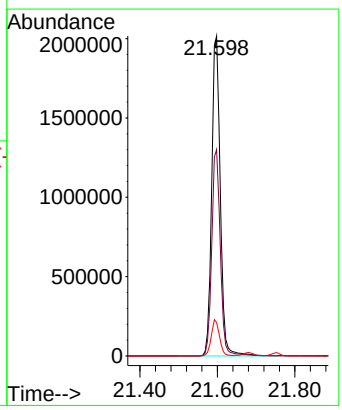


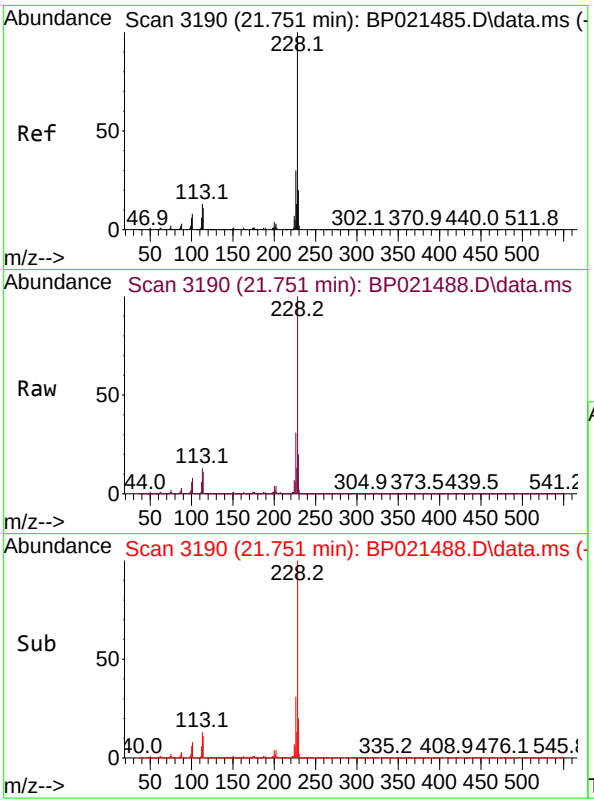


#82
3,3'-Dichlorobenzidine
Concen: 83.768 ng
RT: 21.598 min Scan# 3164
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:252 Resp: 3092890

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.7	77.5
126	10.4	8.7	13.1

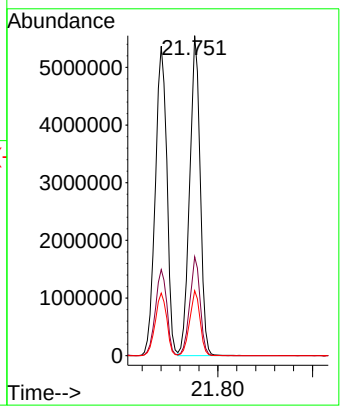




#83
Chrysene
Concen: 78.894 ng
RT: 21.751 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:228 Resp: 857762

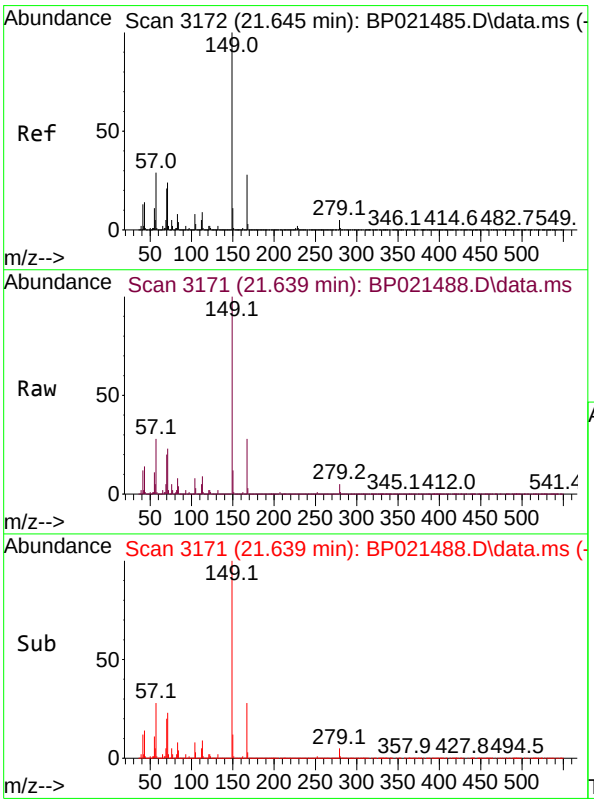
Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.9	35.9
229	20.3	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

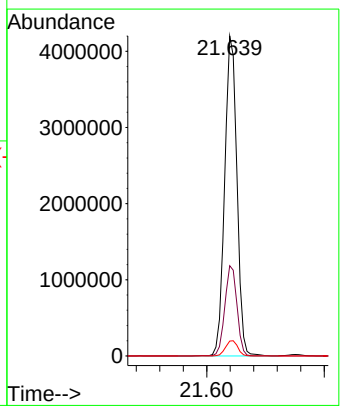
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

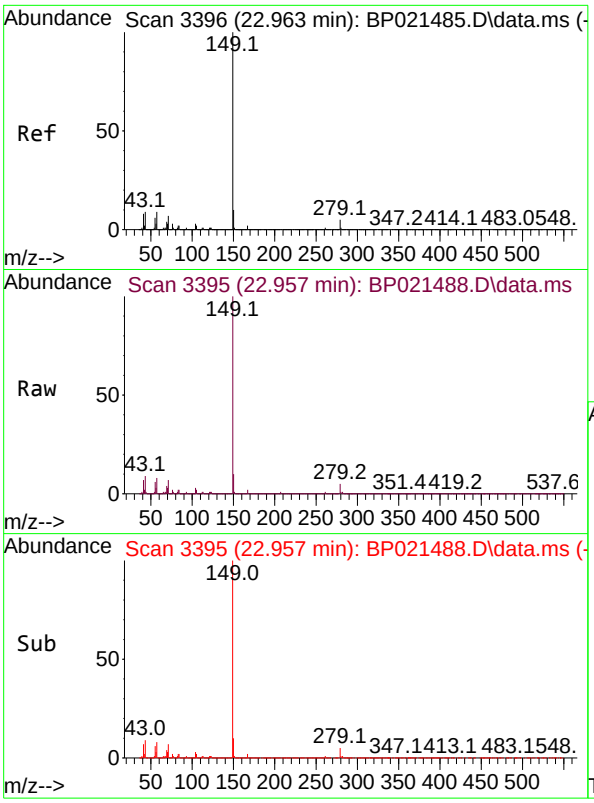


#84
Bis(2-ethylhexyl)phthalate
Concen: 89.068 ng
RT: 21.639 min Scan# 3171
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:149 Resp: 6062099

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.3	33.5
279	4.7	3.8	5.6

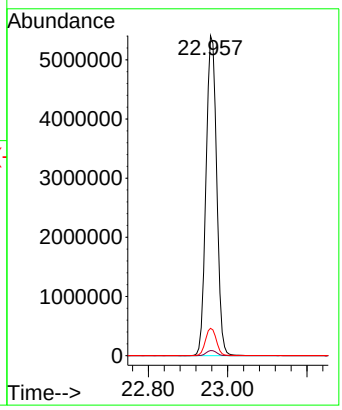




#85
Di-n-octyl phthalate
Concen: 80.797 ng
RT: 22.957 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:149 Resp:1009931

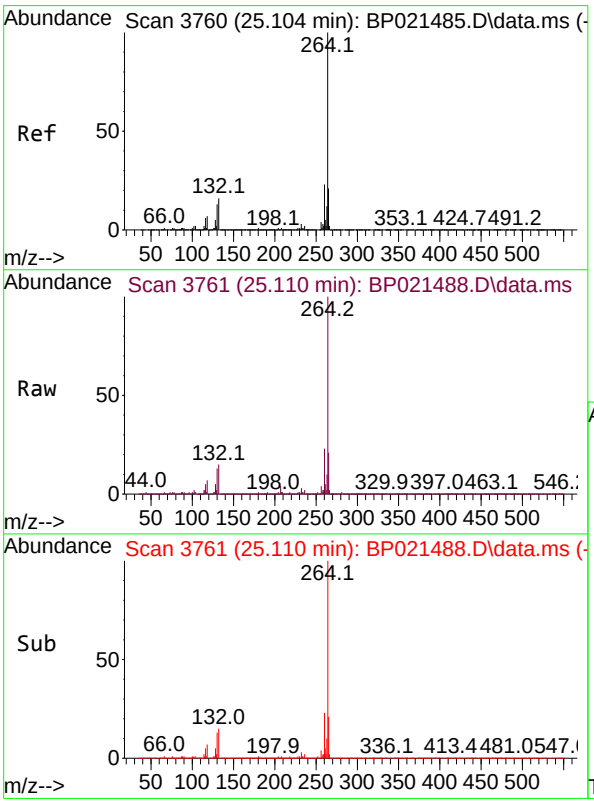
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	7.3	10.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

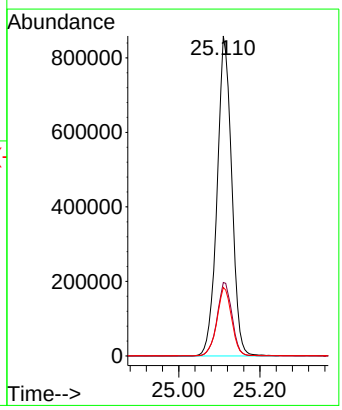
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

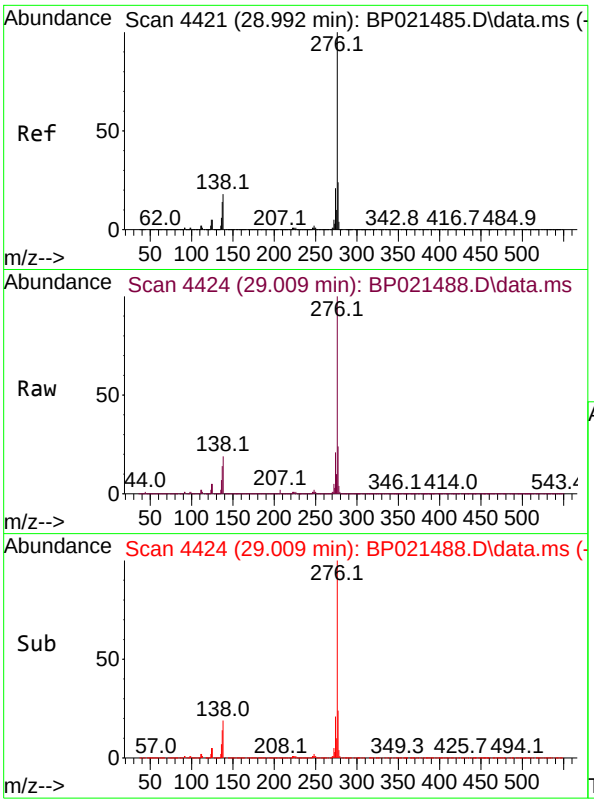


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.110 min Scan# 3761
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:264 Resp: 2148798

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	21.4	17.1	25.7

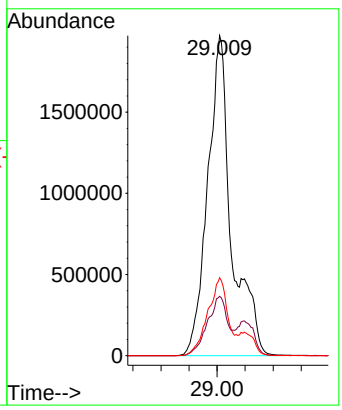




#87
Indeno(1,2,3-cd)pyrene
Concen: 83.285 ng m
RT: 29.009 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:276 Resp:1159945

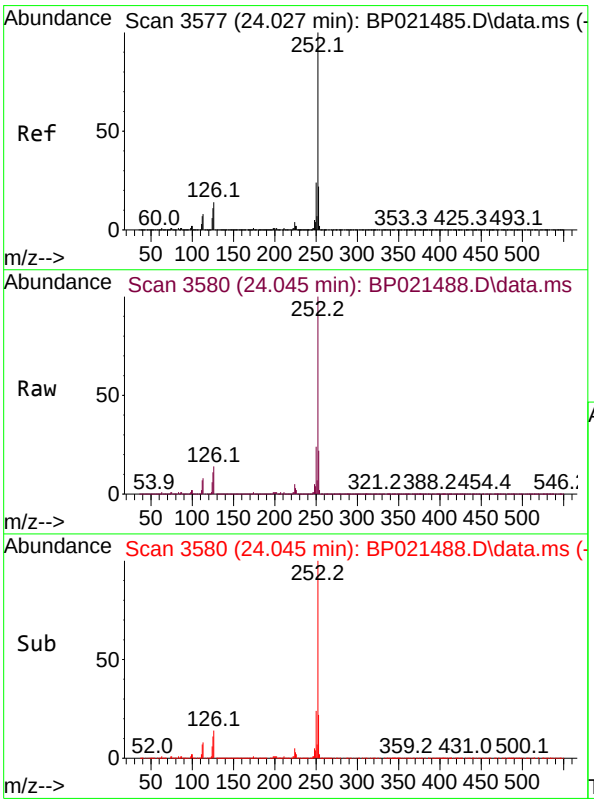
Ion	Ratio	Lower	Upper
276	100		
138	16.3	12.8	19.2
277	20.9	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

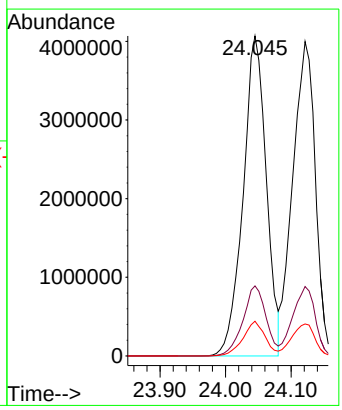
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

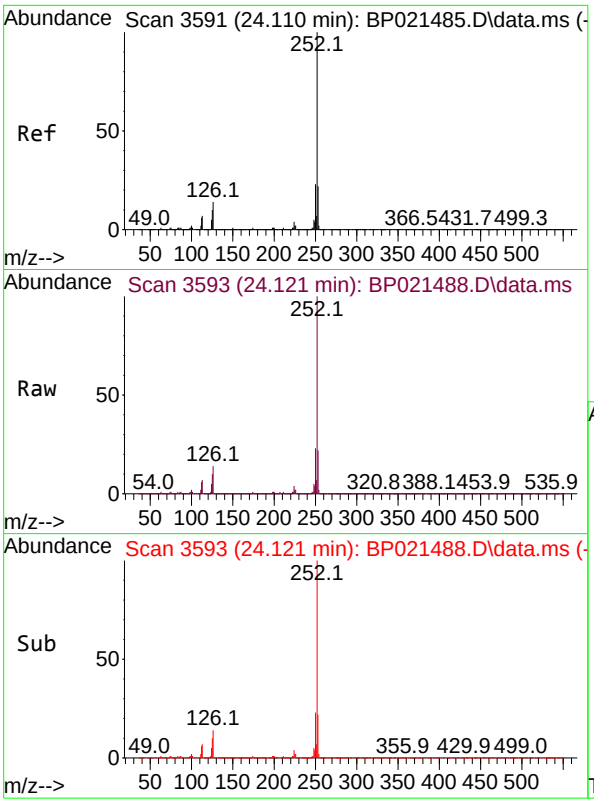


#88
Benzo(b)fluoranthene
Concen: 80.984 ng
RT: 24.045 min Scan# 3580
Delta R.T. 0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:252 Resp: 9994213

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.9	8.6	13.0

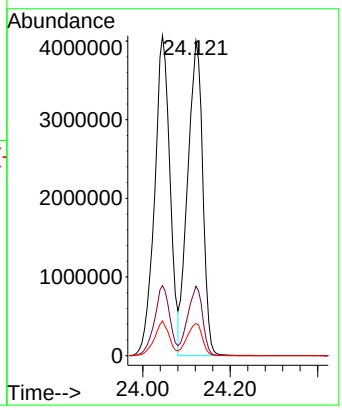




#89
Benzo(k)fluoranthene
Concen: 79.279 ng
RT: 24.121 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:252 Resp: 954416

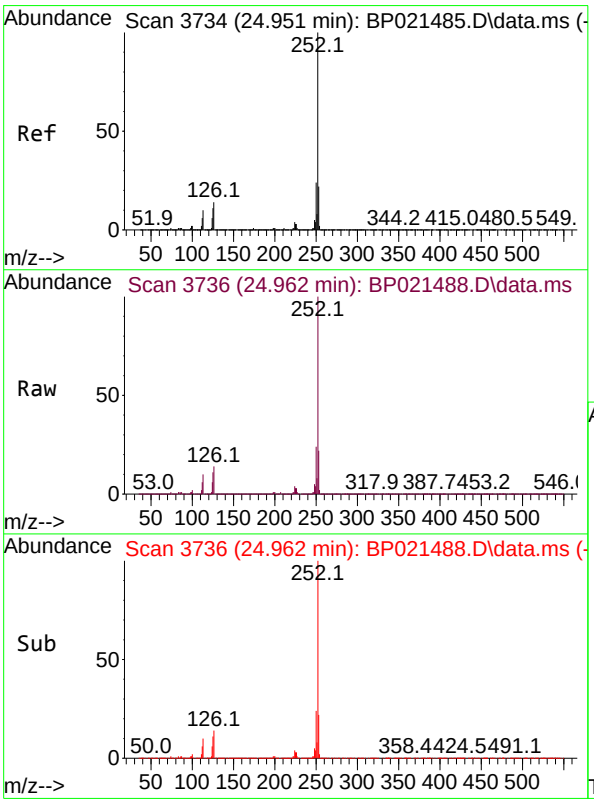
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.2	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

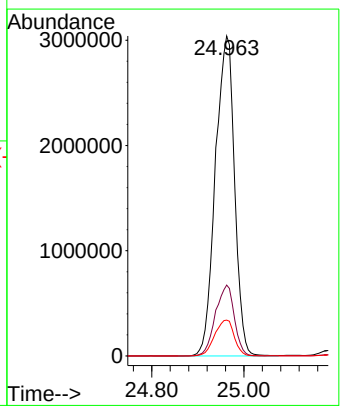
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

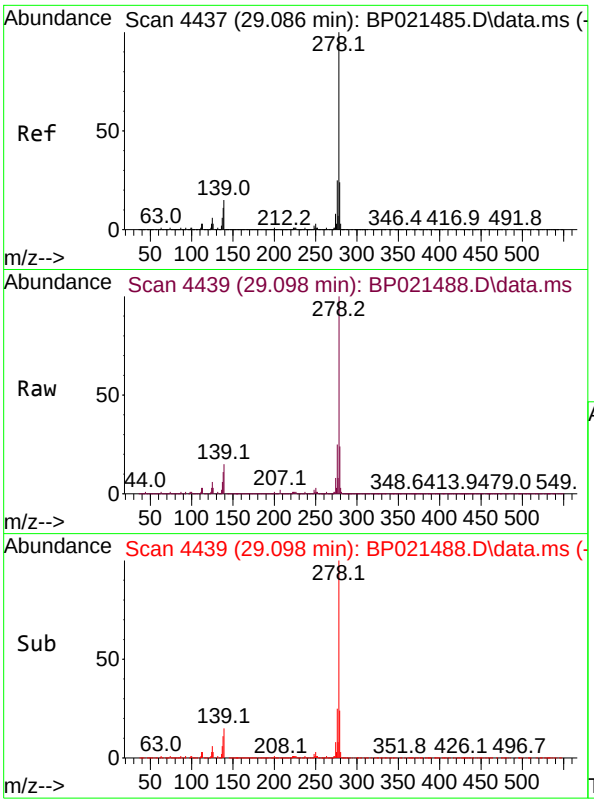


#90
Benzo(a)pyrene
Concen: 81.773 ng
RT: 24.962 min Scan# 3736
Delta R.T. 0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:252 Resp: 8757562

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.2	8.7	13.1

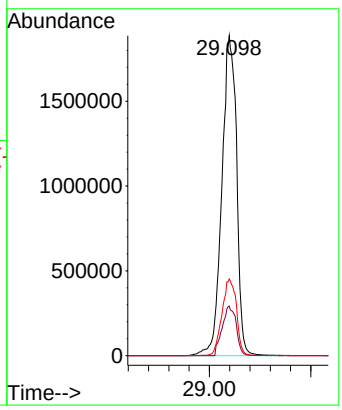




#91
Dibenzo(a,h)anthracene
Concen: 82.349 ng
RT: 29.098 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:278 Resp: 953045

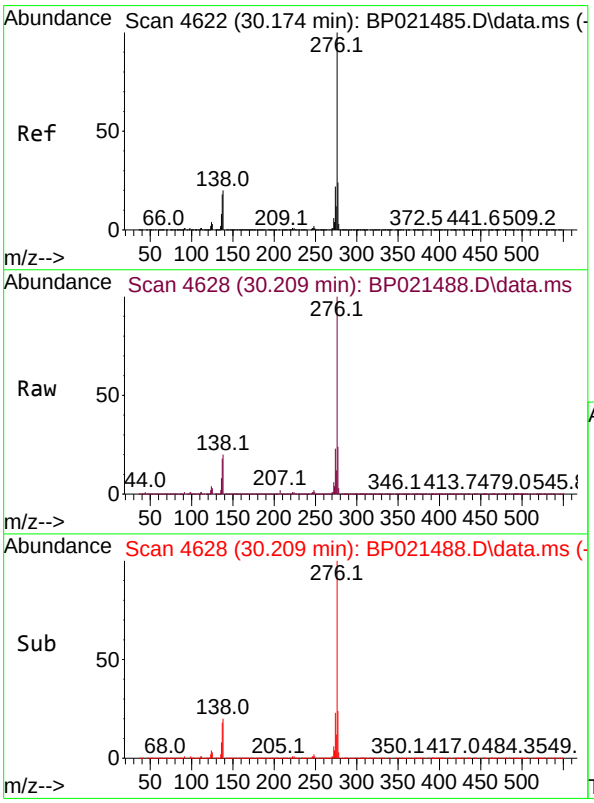
Ion	Ratio	Lower	Upper
278	100		
139	15.5	12.2	18.4
279	24.0	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

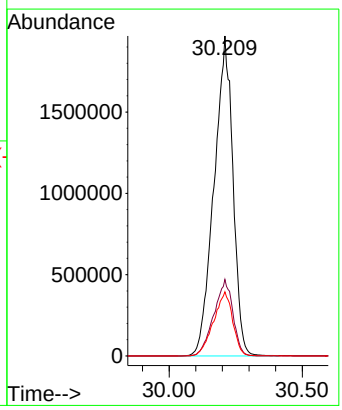
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 83.581 ng
RT: 30.209 min Scan# 4628
Delta R.T. 0.035 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:276 Resp: 9695156

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.6
138	20.1	16.0	24.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	443421	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	2000407	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	1334240	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	2538103	20.000	ng	0.00
76) Chrysene-d12	21.716	240	1932921	20.000	ng	0.02
86) Perylene-d12	25.121	264	2127555	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	2413201	80.810	ng	0.00
7) Phenol-d6	6.964	99	3740158	85.856	ng	0.00
23) Nitrobenzene-d5	8.958	82	3463320	89.361	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	1239599	83.477	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	6875867	78.649	ng	0.00
79) Terphenyl-d14	19.986	244	8578102	86.216	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	537338	37.948	ng	100
3) Pyridine	3.705	79	1598732m	40.445	ng	
4) n-Nitrosodimethylamine	3.617	42	478013	40.233	ng	100
6) Aniline	7.128	93	1811514	41.596	ng	100
8) 2-Chlorophenol	7.375	128	1167341	42.300	ng	99
9) Benzaldehyde	6.946	77	1127798	40.434	ng	99
10) Phenol	6.993	94	1922019	42.607	ng	97
11) bis(2-Chloroethyl)ether	7.228	93	1585750	41.543	ng	100
12) 1,3-Dichlorobenzene	7.699	146	1300530	39.674	ng	99
13) 1,4-Dichlorobenzene	7.840	146	1309606	39.564	ng	99
14) 1,2-Dichlorobenzene	8.158	146	1271884	39.873	ng	99
15) Benzyl Alcohol	8.034	79	1390052	44.472	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.340	45	1471975	41.875	ng	99
17) 2-Methylphenol	8.234	107	1245871	43.687	ng	100
18) Hexachloroethane	8.893	117	540967	40.755	ng	99
19) n-Nitroso-di-n-propyla...	8.611	70	1303123	43.304	ng	99
20) 3+4-Methylphenols	8.563	107	1724643	44.850	ng	98
22) Acetophenone	8.622	105	2454249	39.936	ng	98
24) Nitrobenzene	8.999	77	1820293	43.244	ng	98
25) Isophorone	9.516	82	3726496	40.700	ng	100
26) 2-Nitrophenol	9.705	139	501343	47.780	ng	99
27) 2,4-Dimethylphenol	9.758	122	930478	41.179	ng	99
28) bis(2-Chloroethoxy)met...	10.005	93	2260063	40.438	ng	99
29) 2,4-Dichlorophenol	10.240	162	1159801	43.442	ng	99
30) 1,2,4-Trichlorobenzene	10.458	180	1339874	39.146	ng	97
31) Naphthalene	10.646	128	4141293	39.629	ng	99
32) Benzoic acid	9.899	122	747114	49.839	ng	98
33) 4-Chloroaniline	10.746	127	1594388	40.617	ng	99
34) Hexachlorobutadiene	10.946	225	842702	39.102	ng	99
35) Caprolactam	11.505	113	464342	41.786	ng	97
36) 4-Chloro-3-methylphenol	11.857	107	1591956	42.987	ng	99
37) 2-Methylnaphthalene	12.263	142	2882235	40.412	ng	99
38) 1-Methylnaphthalene	12.475	142	2825877	40.173	ng	100
40) 1,2,4,5-Tetrachloroben...	12.640	216	1573947	40.261	ng	100
41) Hexachlorocyclopentadiene	12.622	237	535050	43.183	ng	99
43) 2,4,6-Trichlorophenol	12.869	196	960914	44.249	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.940	196	1071161	44.396	ng		98
46) 1,1'-Biphenyl	13.281	154	3732699	39.542	ng		99
47) 2-Chloronaphthalene	13.322	162	2917301	39.695	ng		99
48) 2-Nitroaniline	13.510	65	874355	43.044	ng		98
49) Acenaphthylene	14.181	152	4270895	39.531	ng		100
50) Dimethylphthalate	13.910	163	3496130	39.127	ng		99
51) 2,6-Dinitrotoluene	14.022	165	735994	41.424	ng		97
52) Acenaphthene	14.528	154	2790584	39.366	ng		99
53) 3-Nitroaniline	14.351	138	705420	40.483	ng		97
54) 2,4-Dinitrophenol	14.546	184	215120	45.065	ng	#	56
55) Dibenzofuran	14.863	168	4202990	38.543	ng		99
56) 4-Nitrophenol	14.640	139	545969	39.582	ng		98
57) 2,4-Dinitrotoluene	14.810	165	917790	40.864	ng		93
58) Fluorene	15.522	166	3409197	38.055	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.093	232	866459	42.310	ng		99
60) Diethylphthalate	15.293	149	3461071	37.752	ng		99
61) 4-Chlorophenyl-phenyle...	15.528	204	1795669	38.777	ng		98
62) 4-Nitroaniline	15.534	138	685273	38.254	ng		99
63) Azobenzene	15.828	77	4263599	37.833	ng		99
65) 4,6-Dinitro-2-methylph...	15.593	198	343500	46.281	ng		99
66) n-Nitrosodiphenylamine	15.734	169	2863059	42.093	ng		100
67) 4-Bromophenyl-phenylether	16.440	248	1135965	42.289	ng		99
68) Hexachlorobenzene	16.551	284	1306627	41.161	ng		97
69) Atrazine	16.710	200	907263	38.851	ng		99
70) Pentachlorophenol	16.898	266	770079	44.446	ng		100
71) Phenanthrene	17.298	178	4826486	39.541	ng		100
72) Anthracene	17.398	178	4745227	39.639	ng		100
73) Carbazole	17.675	167	4321248	37.457	ng		99
74) Di-n-butylphthalate	18.281	149	5456093	38.509	ng		100
75) Fluoranthene	19.386	202	5434874	36.288	ng		99
77) Benzidine	19.569	184	1367550	30.320	ng		99
78) Pyrene	19.763	202	5438173	43.044	ng		100
80) Butylbenzylphthalate	20.710	149	1972270	41.647	ng		97
81) Benzo(a)anthracene	21.692	228	4874495	40.172	ng		100
82) 3,3'-Dichlorobenzidine	21.604	252	1592617	40.936	ng		100
83) Chrysene	21.763	228	4554886	39.759	ng		100
84) Bis(2-ethylhexyl)phtha...	21.657	149	3111178	43.381	ng		100
85) Di-n-octyl phthalate	22.974	149	4908258	39.871	ng		100
87) Indeno(1,2,3-cd)pyrene	28.986	276	5668848m	41.105	ng		
88) Benzo(b)fluoranthene	24.039	252	4934155	40.381	ng		99
89) Benzo(k)fluoranthene	24.121	252	4765945	39.984	ng		99
90) Benzo(a)pyrene	24.968	252	4311183	40.657	ng		100
91) Dibenzo(a,h)anthracene	29.104	278	4717815	41.172	ng		99
92) Benzo(g,h,i)perylene	30.203	276	4769954	41.532	ng		99

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

ICAL Form

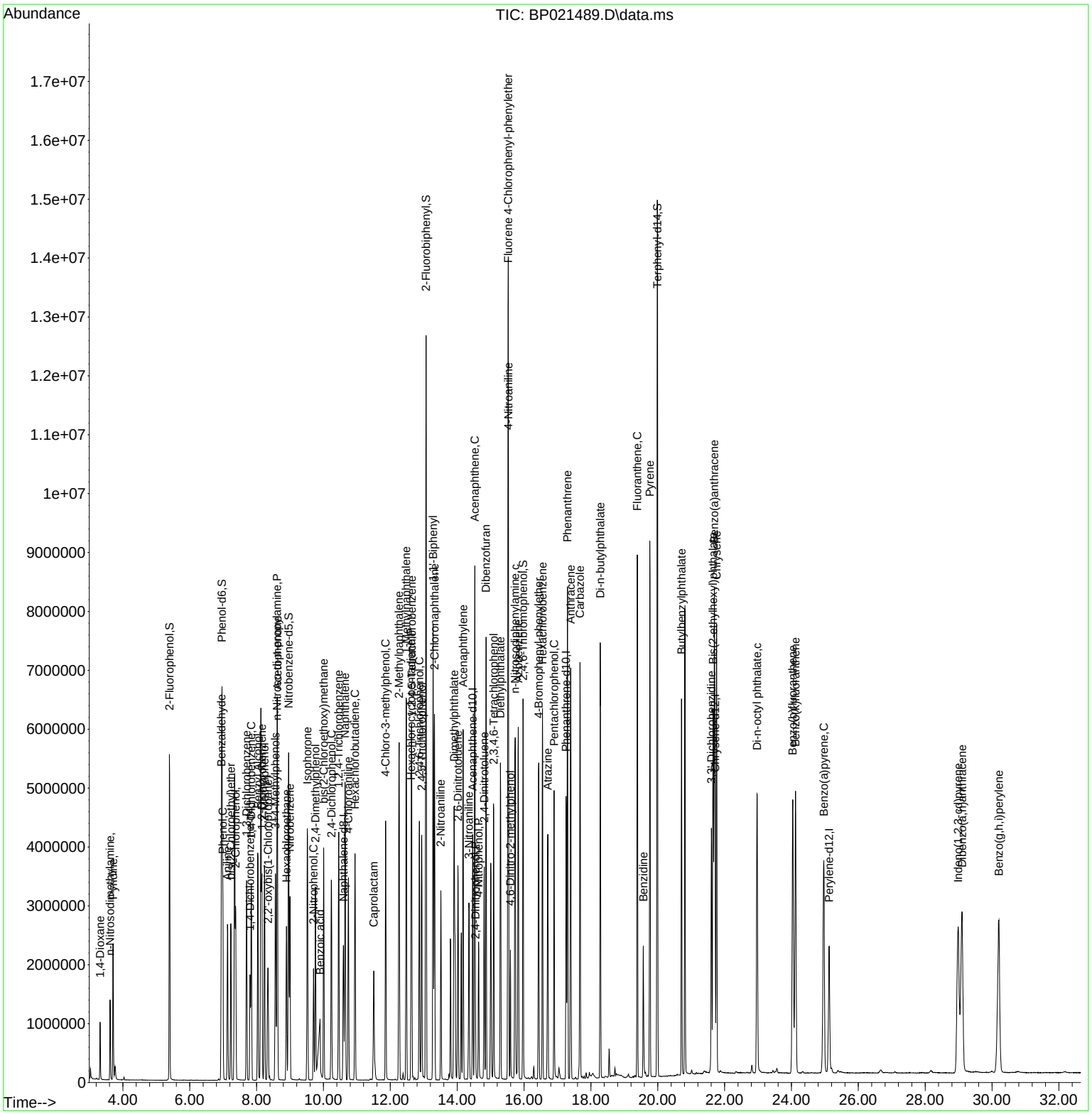
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

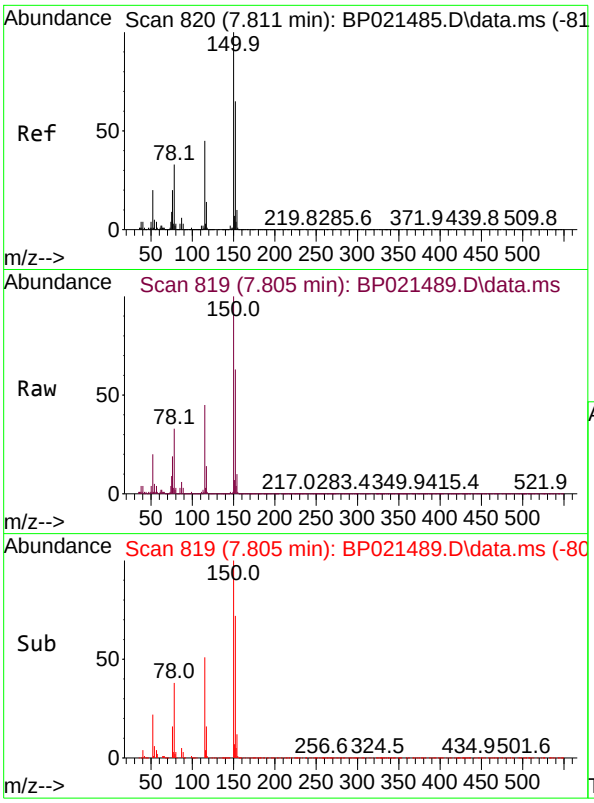
Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

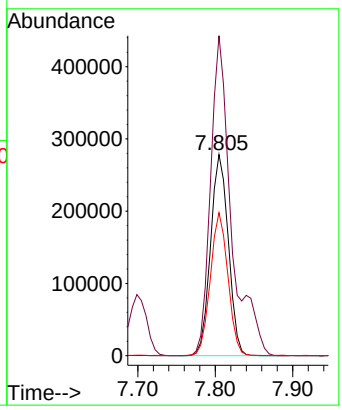




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:152 Resp: 44342

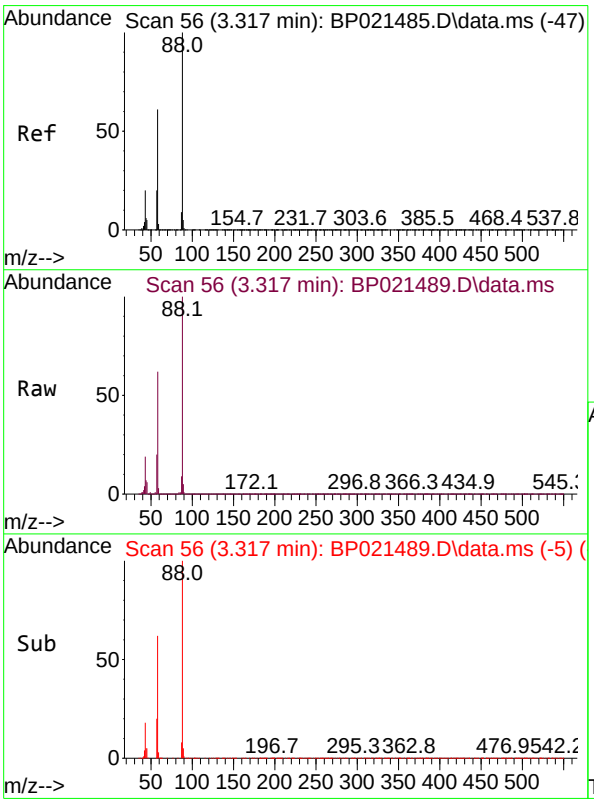
Ion	Ratio	Lower	Upper
152	100		
150	159.1	122.4	183.6
115	71.2	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

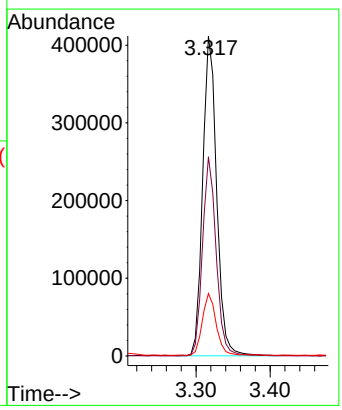
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

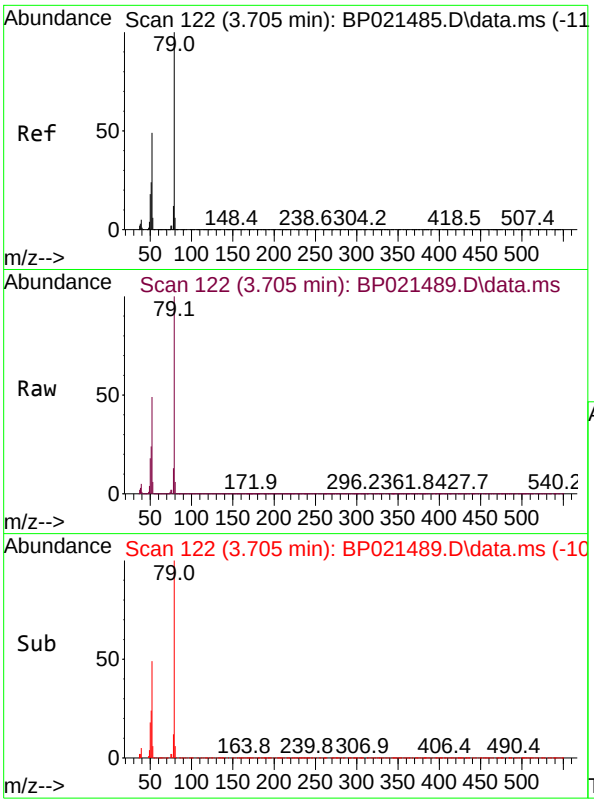


#2
1,4-Dioxane
Concen: 37.948 ng
RT: 3.317 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 88 Resp: 537338

Ion	Ratio	Lower	Upper
88	100		
58	61.0	48.7	73.1
43	19.3	15.4	23.2

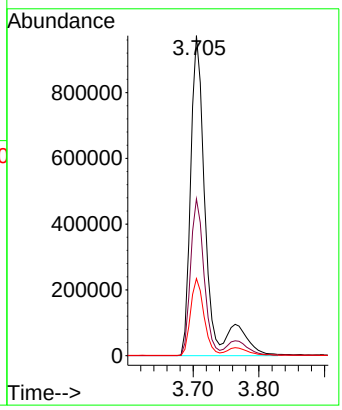




#3
Pyridine
Concen: 40.445 ng m
RT: 3.705 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 79 Resp: 159873

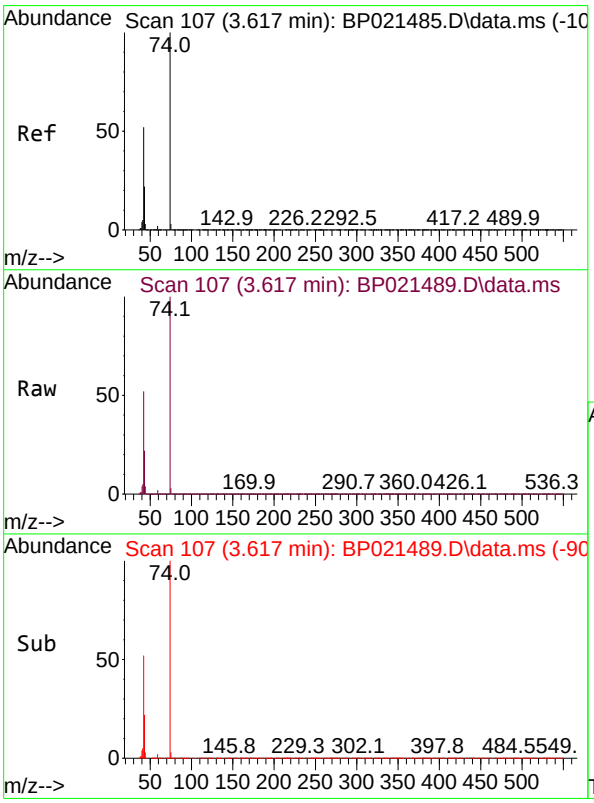
Ion	Ratio	Lower	Upper
79	100		
52	49.0	39.0	58.6
51	24.1	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

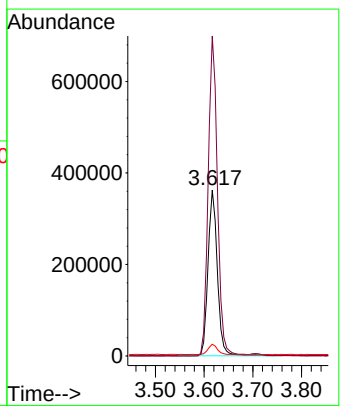
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

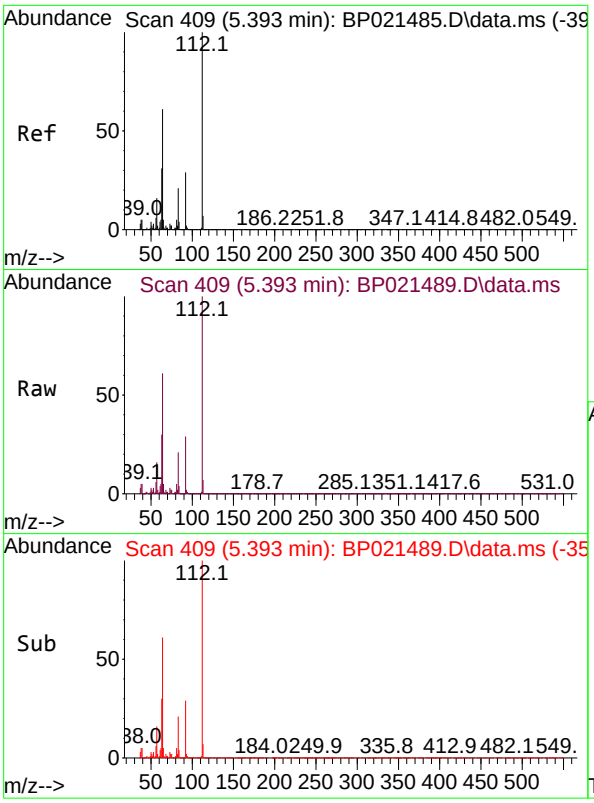


#4
n-Nitrosodimethylamine
Concen: 40.233 ng
RT: 3.617 min Scan# 107
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 42 Resp: 478013

Ion	Ratio	Lower	Upper
42	100		
74	192.8	154.3	231.5
44	7.0	6.2	9.4





#5
2-Fluorophenol
Concen: 80.810 ng
RT: 5.393 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

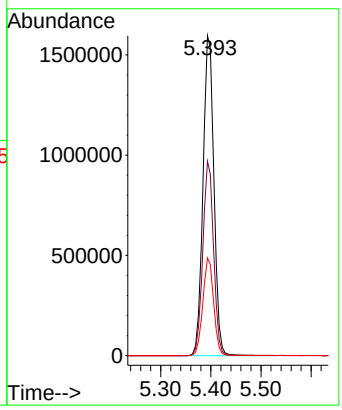
Tgt Ion:112 Resp: 241320

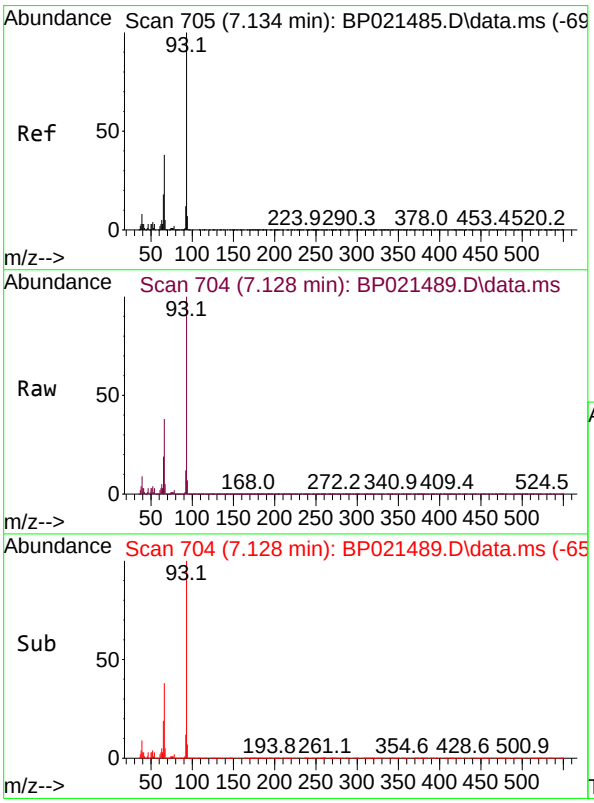
Ion	Ratio	Lower	Upper
112	100		
64	60.7	49.0	73.6
63	30.5	24.6	36.8

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

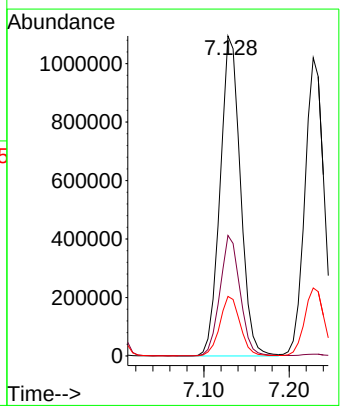


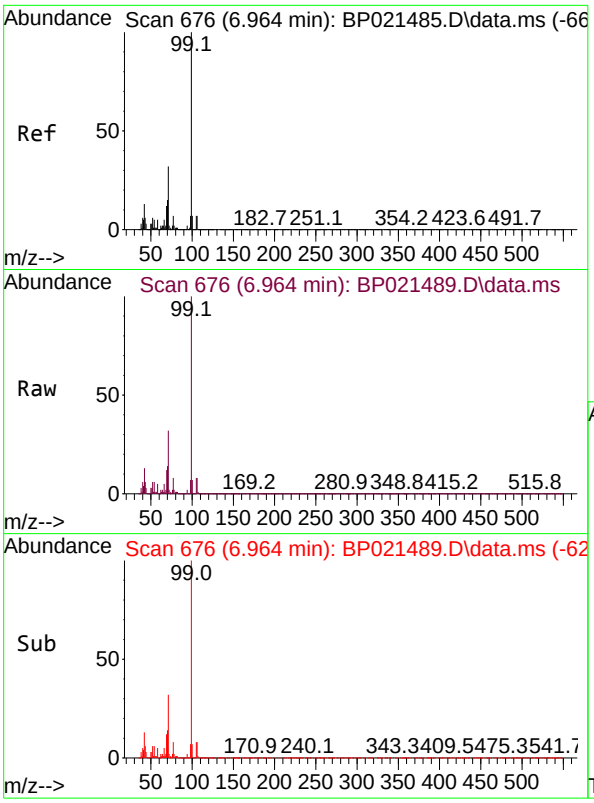


#6
Aniline
Concen: 41.596 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 93 Resp: 1811514

Ion	Ratio	Lower	Upper
93	100		
66	37.7	30.2	45.2
65	18.6	14.7	22.1

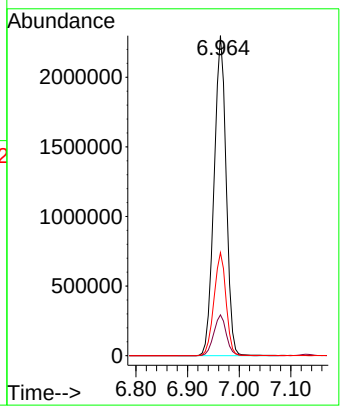




#7
Phenol-d6
Concen: 85.856 ng
RT: 6.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 99 Resp: 374015

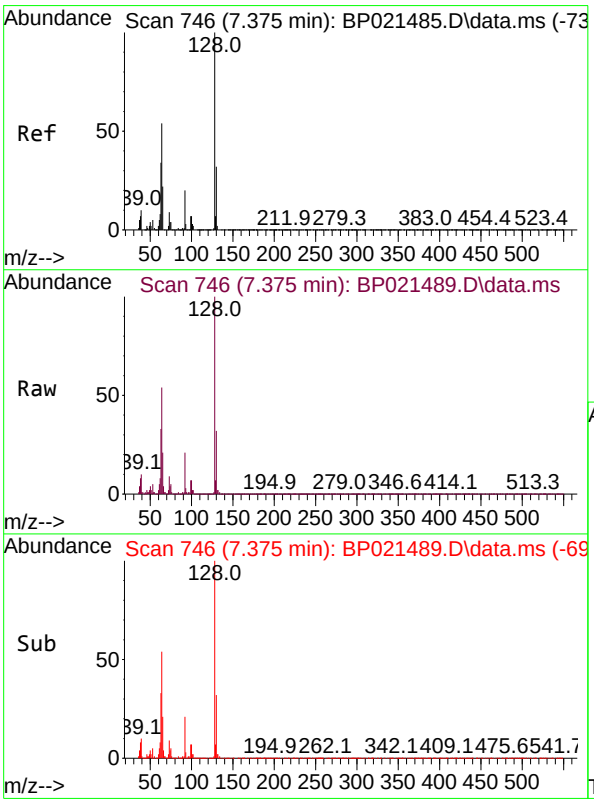
Ion	Ratio	Lower	Upper
99	100		
42	12.8	10.2	15.4
71	32.2	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

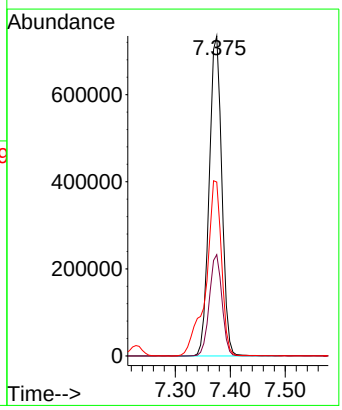
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

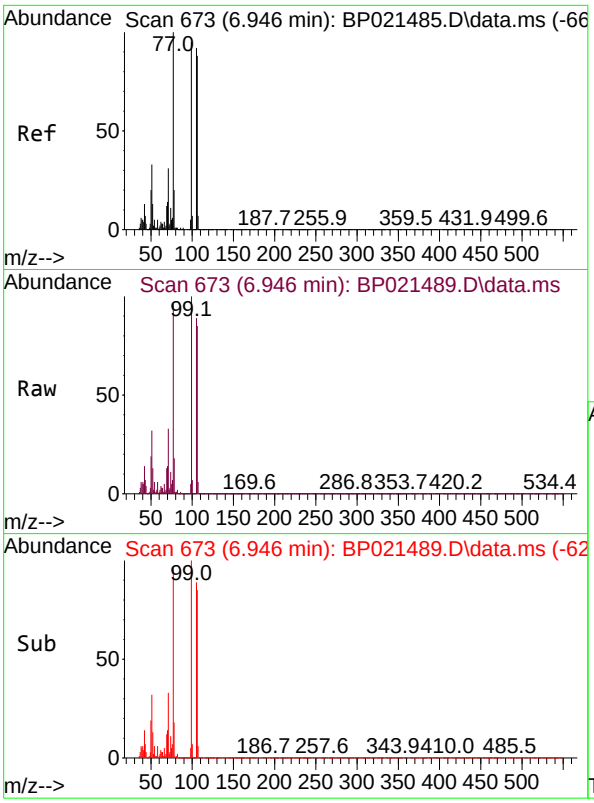


#8
2-Chlorophenol
Concen: 42.300 ng
RT: 7.375 min Scan# 746
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:128 Resp: 1167341

Ion	Ratio	Lower	Upper
128	100		
130	31.7	11.6	51.6
64	54.4	35.3	75.3

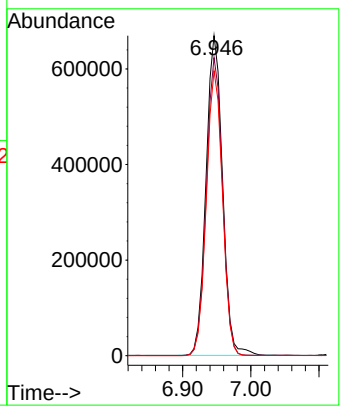




#9
Benzaldehyde
Concen: 40.434 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 77 Resp: 112779

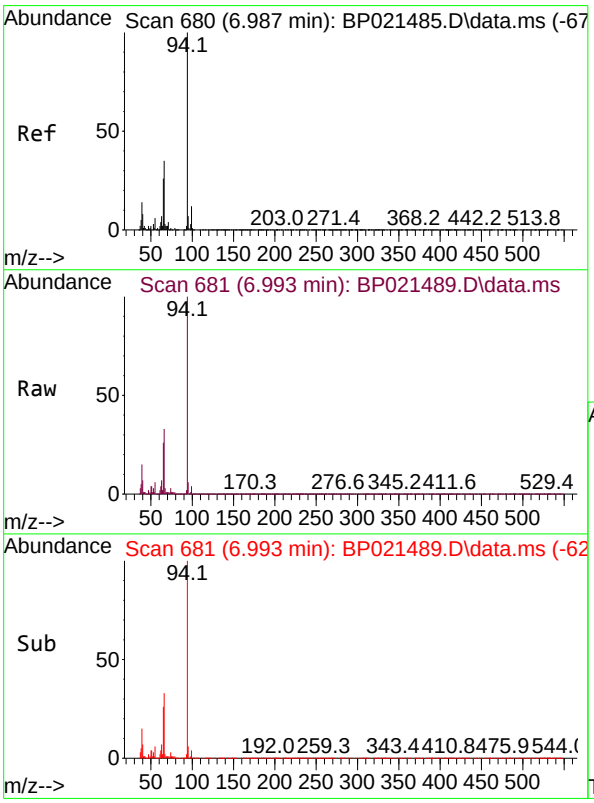
Ion	Ratio	Lower	Upper
77	100		
105	93.2	72.1	112.1
106	89.0	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

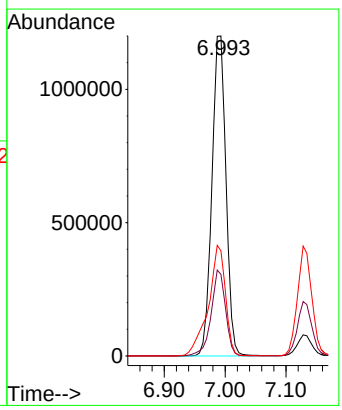
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

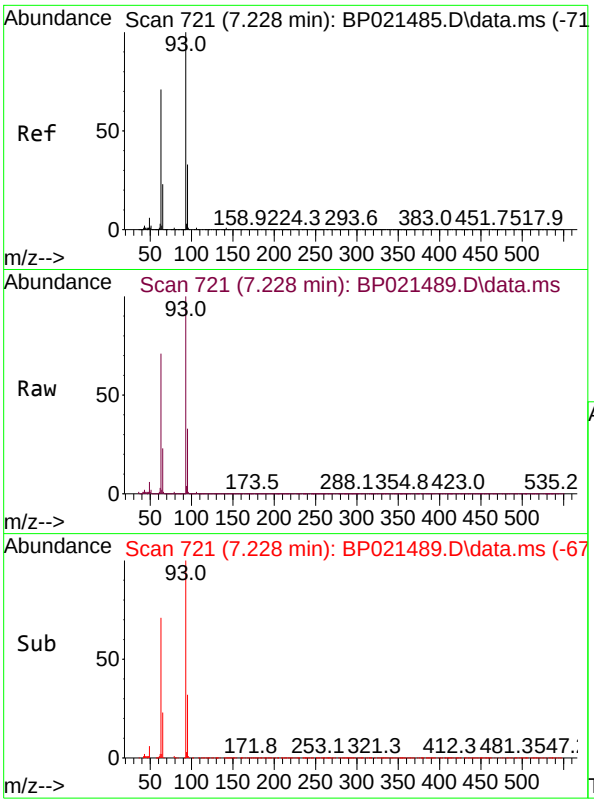


#10
Phenol
Concen: 42.607 ng
RT: 6.993 min Scan# 681
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 94 Resp: 1922019

Ion	Ratio	Lower	Upper
94	100		
65	25.5	6.5	46.5
66	32.9	14.7	54.7

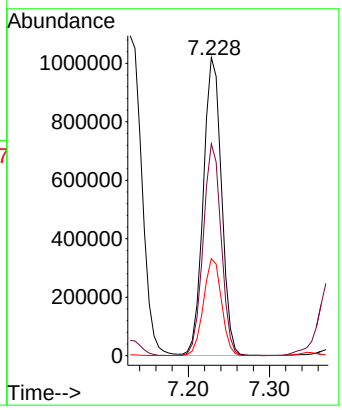




#11
bis(2-Chloroethyl)ether
Concen: 41.543 ng
RT: 7.228 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 93 Resp: 158575

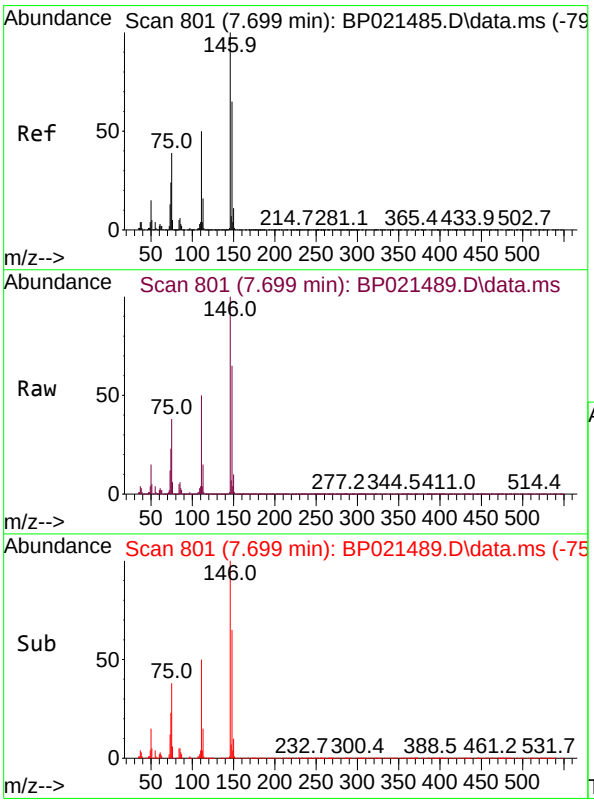
Ion	Ratio	Lower	Upper
93	100		
63	71.1	51.0	91.0
95	32.5	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

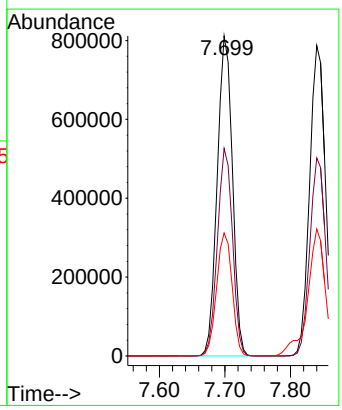
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

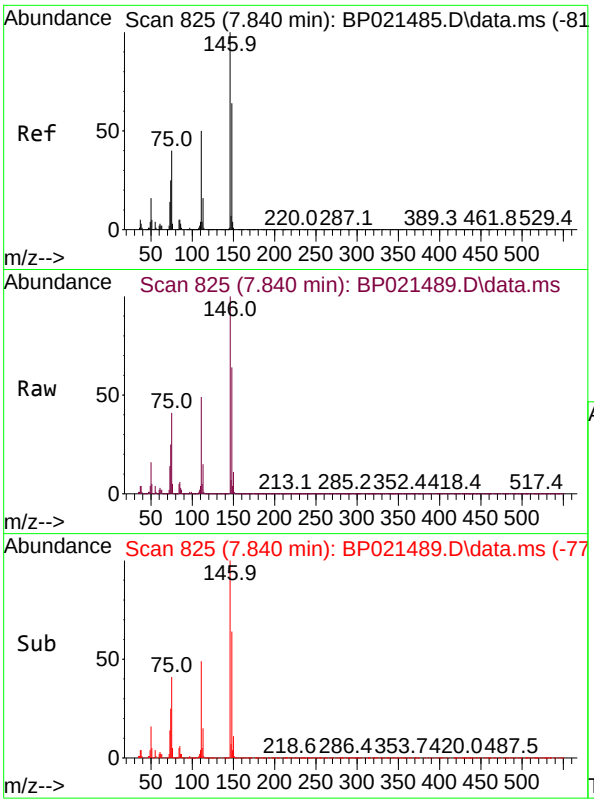


#12
1,3-Dichlorobenzene
Concen: 39.674 ng
RT: 7.699 min Scan# 801
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:146 Resp: 1300530

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.8	77.6
75	38.5	31.3	46.9

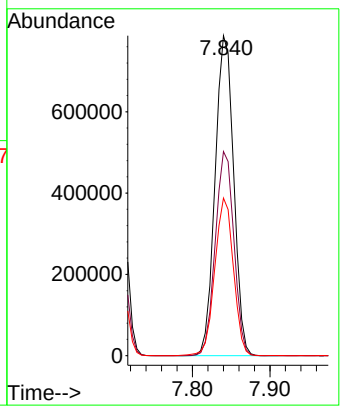




#13
1,4-Dichlorobenzene
Concen: 39.564 ng
RT: 7.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:146 Resp: 130960

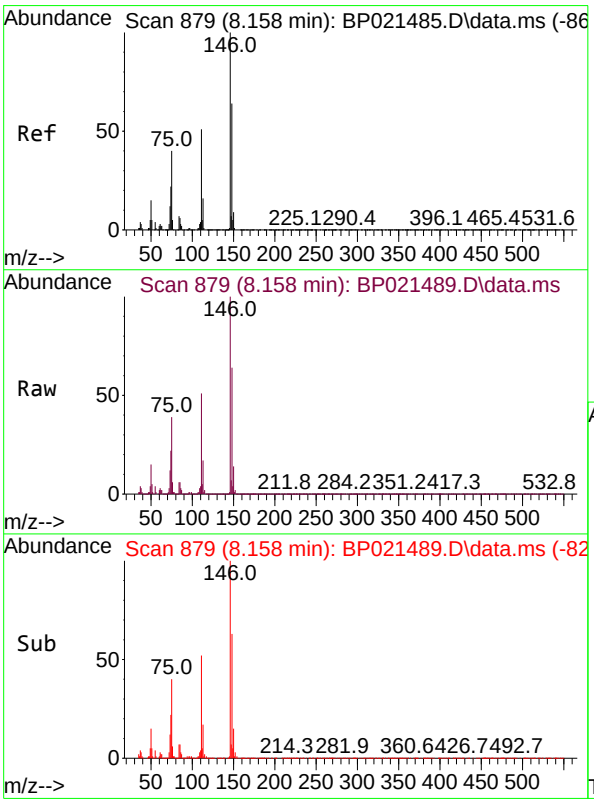
Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.5	77.3
111	49.2	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

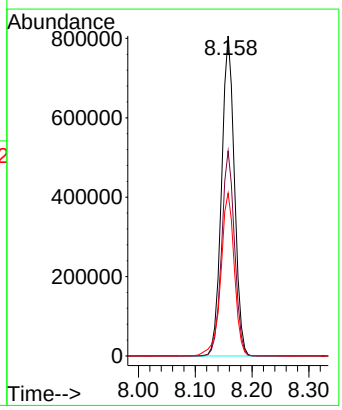
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

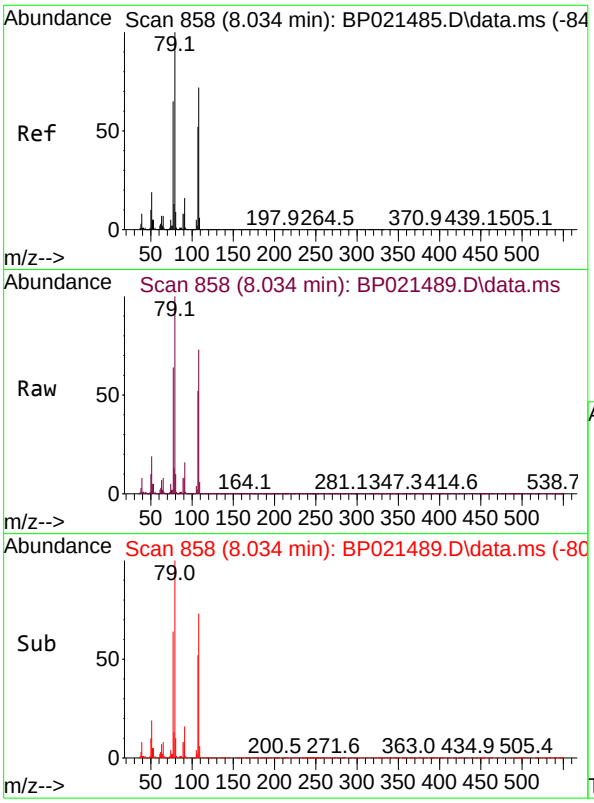


#14
1,2-Dichlorobenzene
Concen: 39.873 ng
RT: 8.158 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:146 Resp: 1271884

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.5	77.3
111	50.9	41.1	61.7





#15
Benzyl Alcohol
Concen: 44.472 ng
RT: 8.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

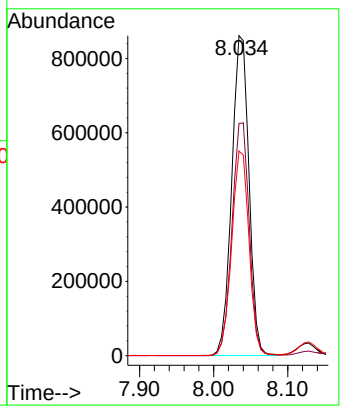
Tgt Ion: 79 Resp: 139005

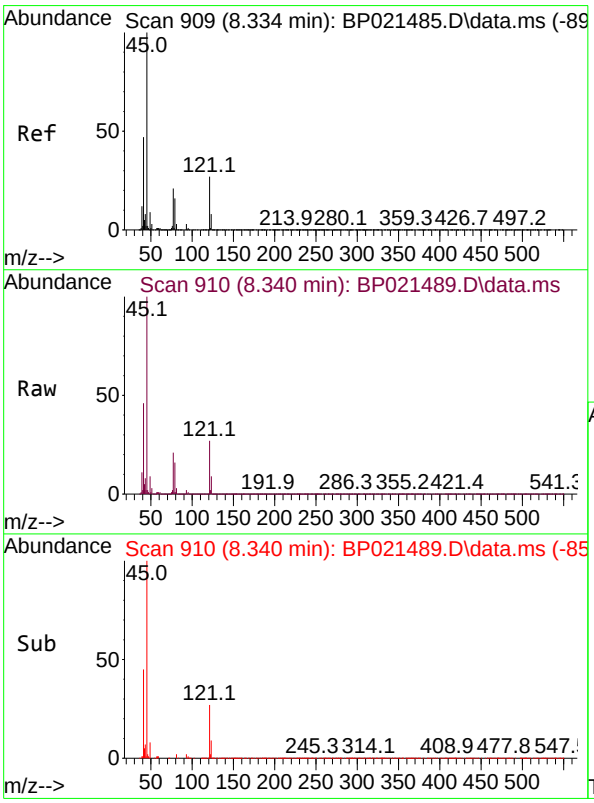
Ion	Ratio	Lower	Upper
79	100		
108	72.6	57.9	86.9
77	64.0	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

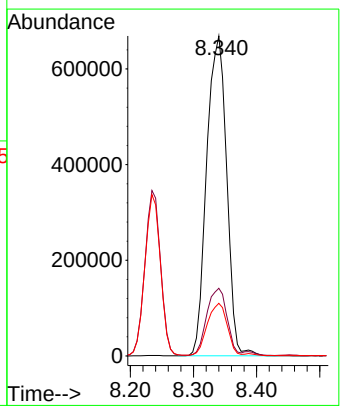


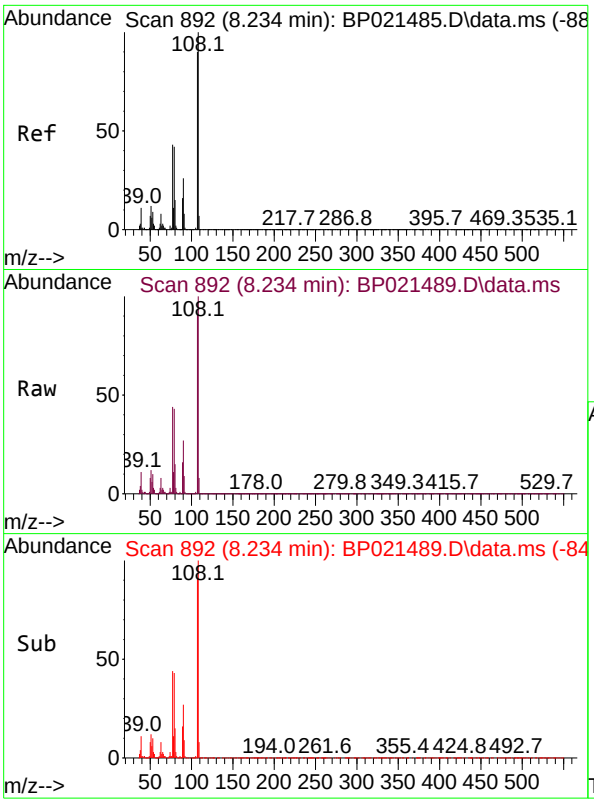


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.875 ng
RT: 8.340 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 45 Resp: 1471975

Ion	Ratio	Lower	Upper
45	100		
77	21.1	1.9	41.9
79	16.5	0.0	36.6

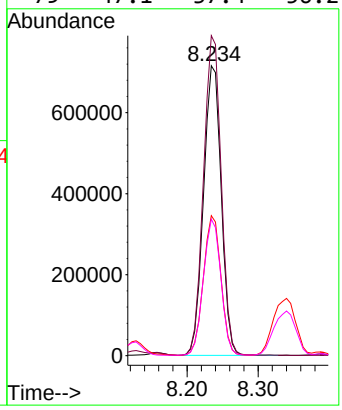




#17
2-Methylphenol
Concen: 43.687 ng
RT: 8.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:107 Resp: 124587

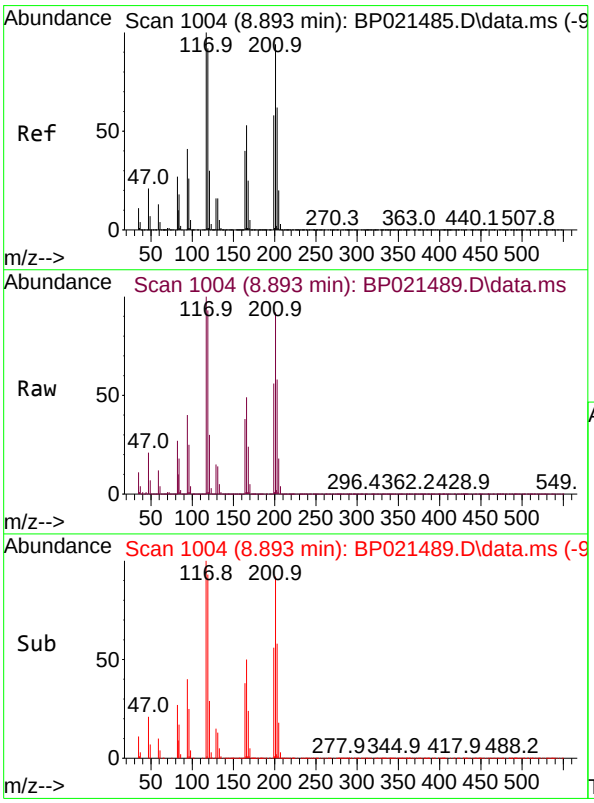
Ion	Ratio	Lower	Upper
107	100		
108	110.4	88.8	133.2
77	48.3	38.7	58.1
79	47.1	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

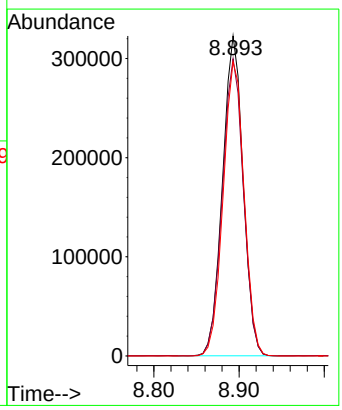
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

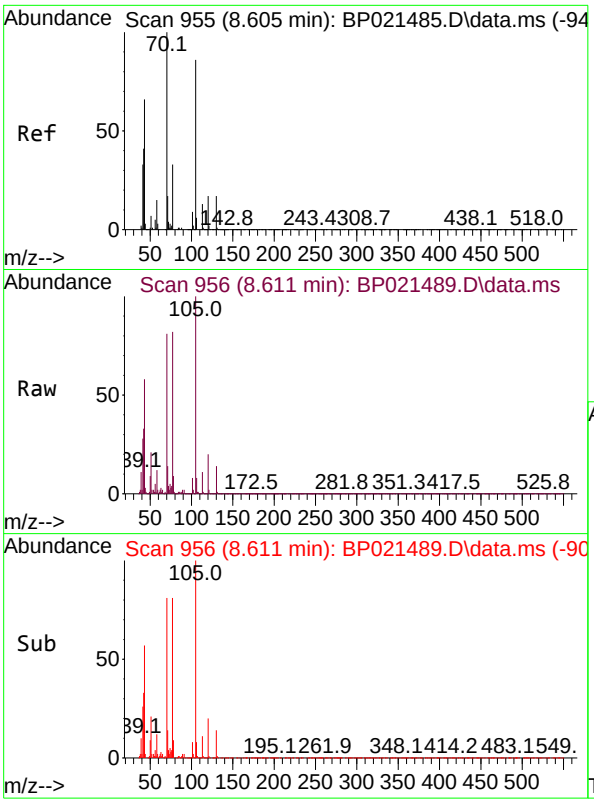


#18
Hexachloroethane
Concen: 40.755 ng
RT: 8.893 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:117 Resp: 540967

Ion	Ratio	Lower	Upper
117	100		
119	92.9	73.9	110.9
201	91.9	74.9	112.3

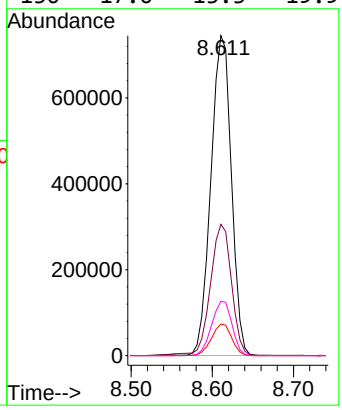




#19
n-Nitroso-di-n-propylamine
Concen: 43.304 ng
RT: 8.611 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 70 Resp: 130312

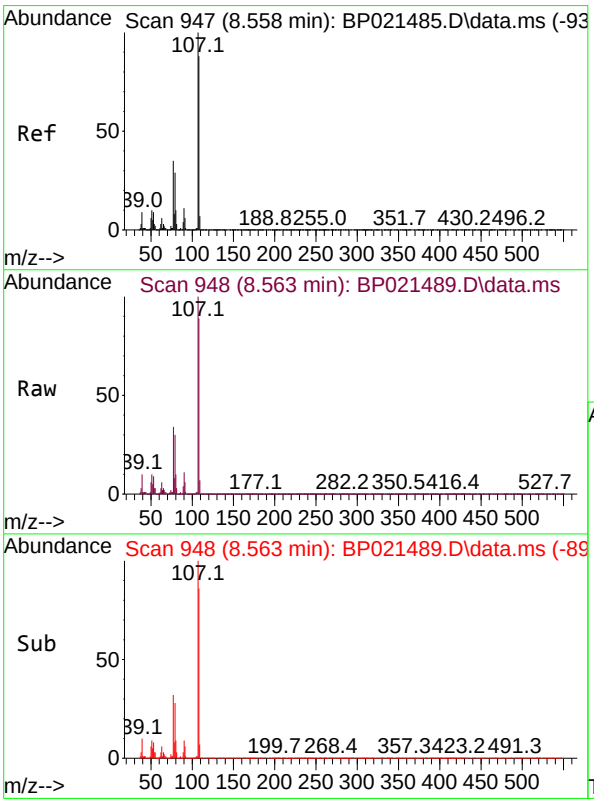
Ion	Ratio	Lower	Upper
70	100		
42	41.1	33.1	49.7
101	9.9	7.4	11.2
130	17.0	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

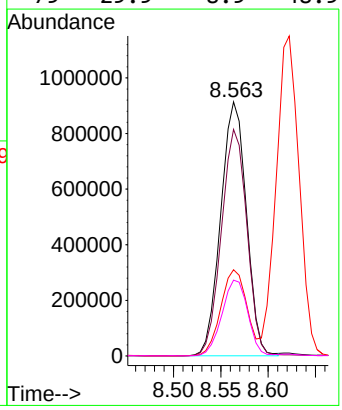
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

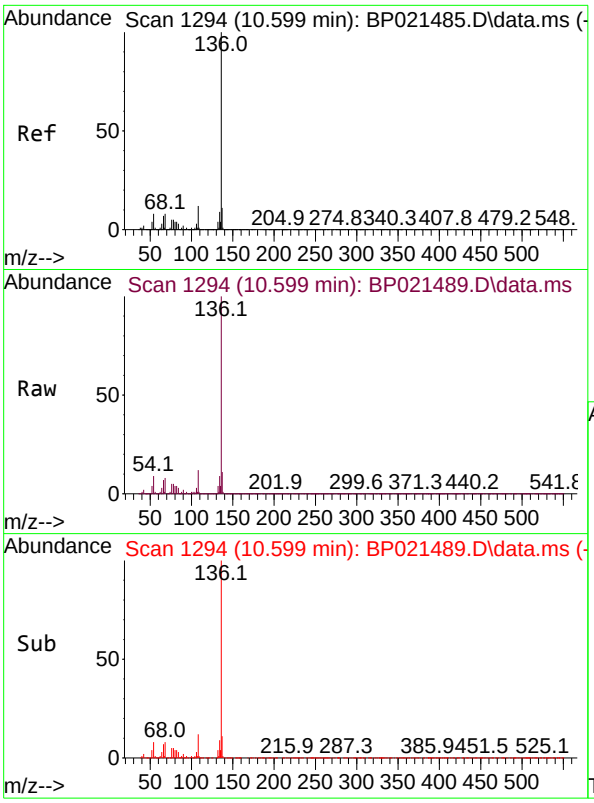


#20
3+4-Methylphenols
Concen: 44.850 ng
RT: 8.563 min Scan# 948
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:107 Resp: 1724643

Ion	Ratio	Lower	Upper
107	100		
108	89.2	67.6	107.6
77	34.0	15.0	55.0
79	29.9	8.9	48.9

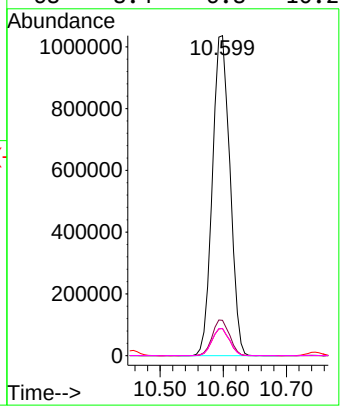




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:136 Resp: 200040

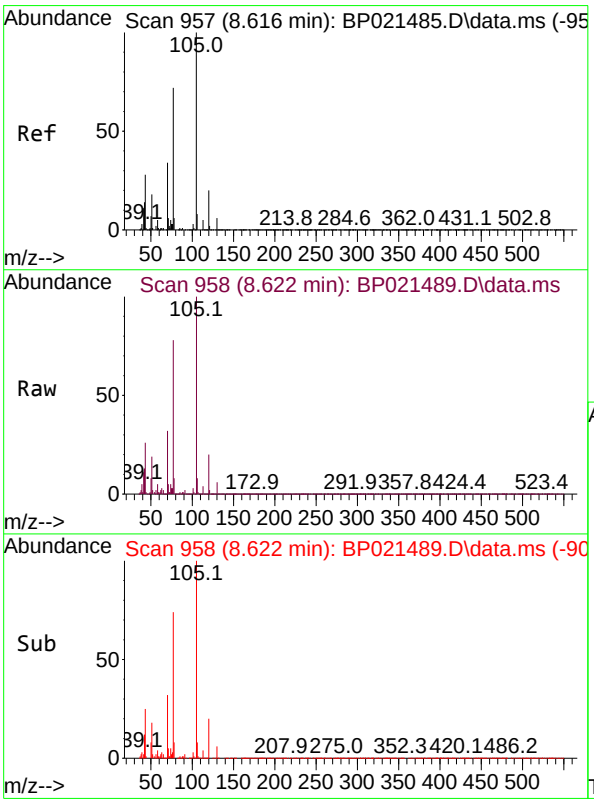
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.5	6.3	9.5
68	8.4	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

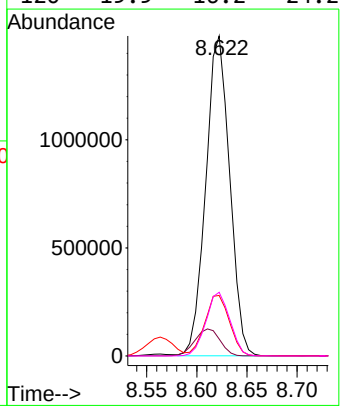
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

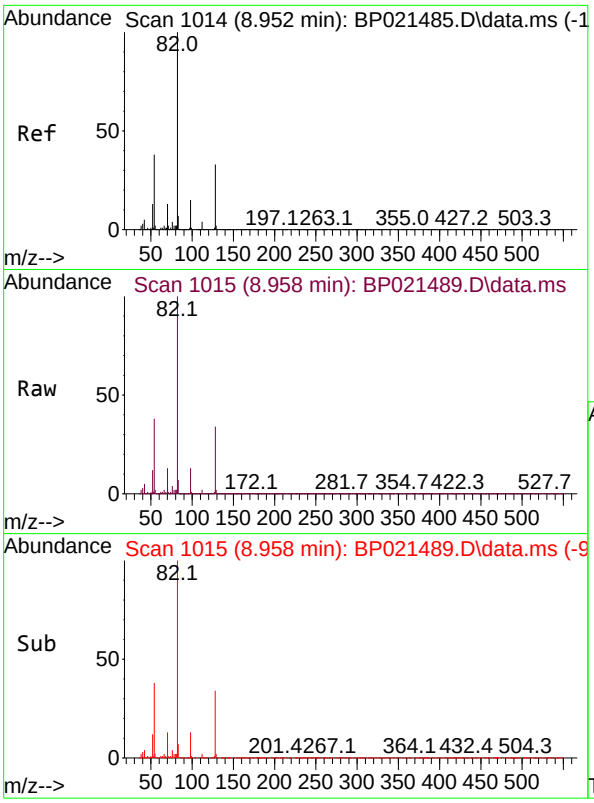


#22
Acetophenone
Concen: 39.936 ng
RT: 8.622 min Scan# 958
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:105 Resp: 2454249

Ion	Ratio	Lower	Upper
105	100		
71	5.3	4.6	7.0
51	18.9	16.3	24.5
120	19.9	16.2	24.2

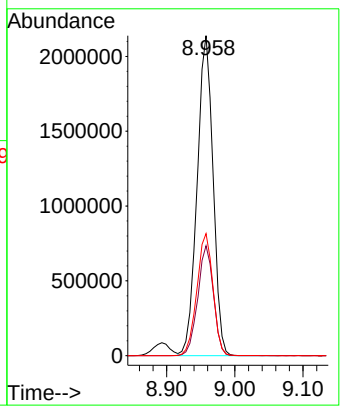




#23
Nitrobenzene-d5
Concen: 89.361 ng
RT: 8.958 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 82 Resp: 346332

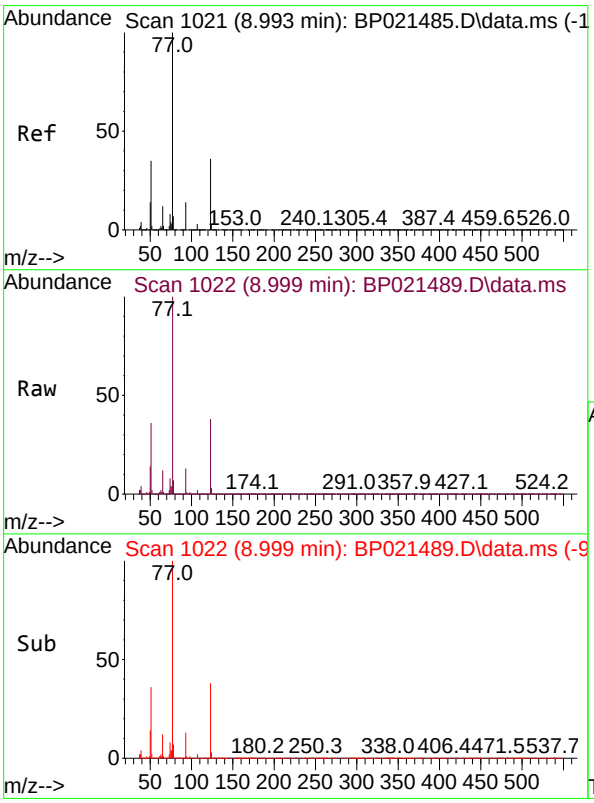
Ion	Ratio	Lower	Upper
82	100		
128	34.4	26.5	39.7
54	38.1	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

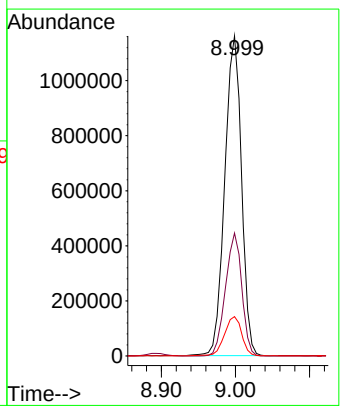
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

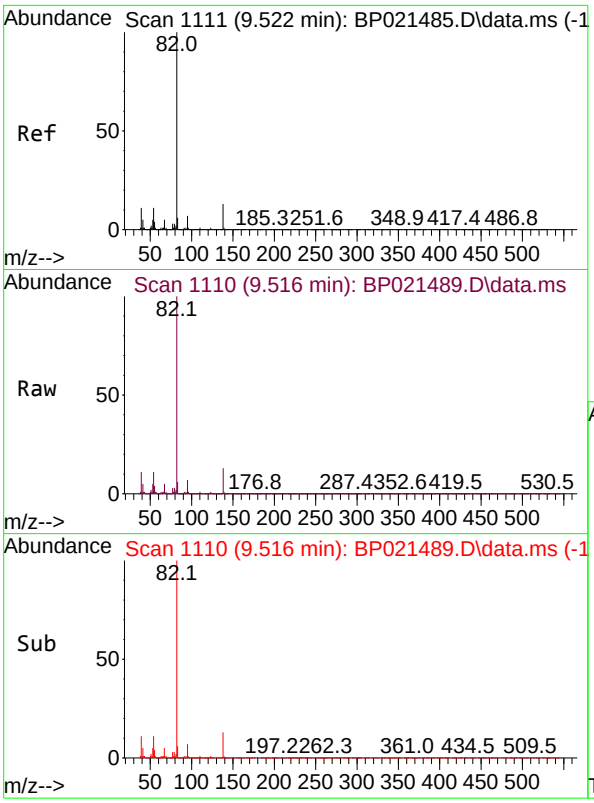


#24
Nitrobenzene
Concen: 43.244 ng
RT: 8.999 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 77 Resp: 1820293

Ion	Ratio	Lower	Upper
77	100		
123	38.4	29.5	44.3
65	12.3	9.9	14.9

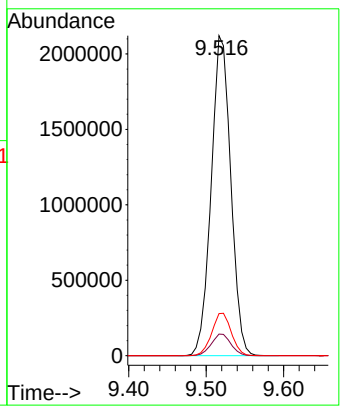




#25
Isophorone
Concen: 40.700 ng
RT: 9.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 82 Resp: 372649

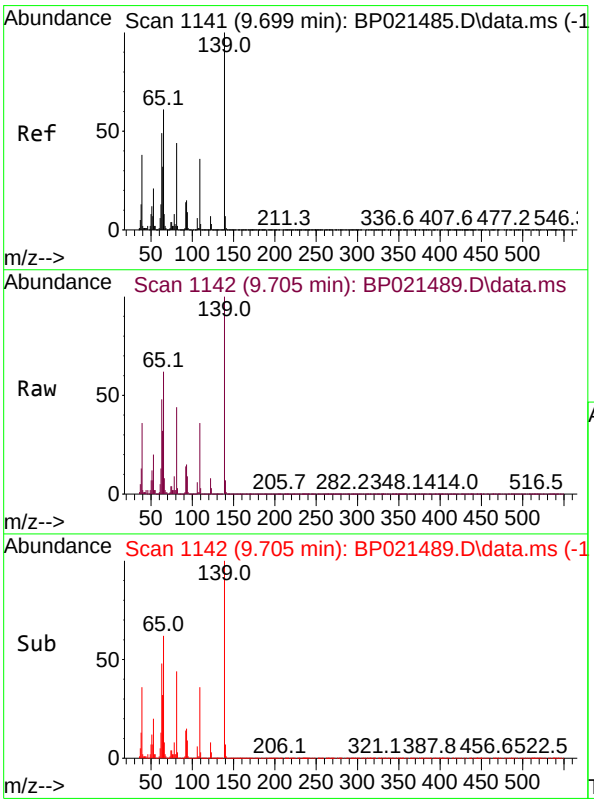
Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	13.1	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

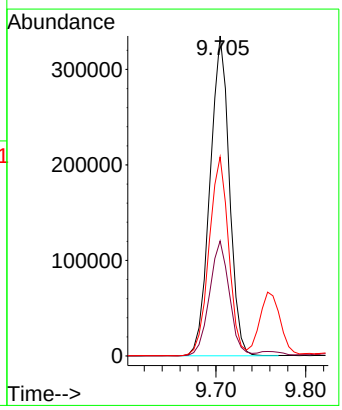
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

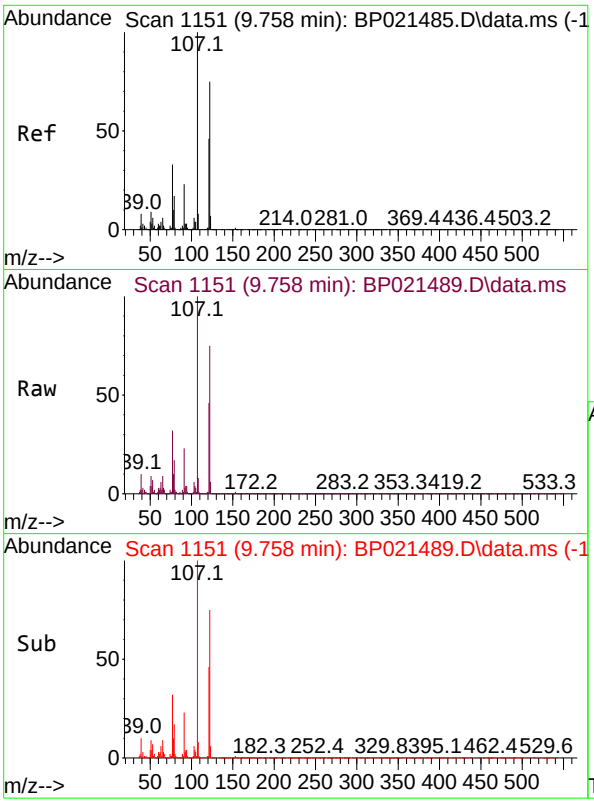


#26
2-Nitrophenol
Concen: 47.780 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:139 Resp: 501343

Ion	Ratio	Lower	Upper
139	100		
109	35.9	28.9	43.3
65	62.2	49.0	73.6

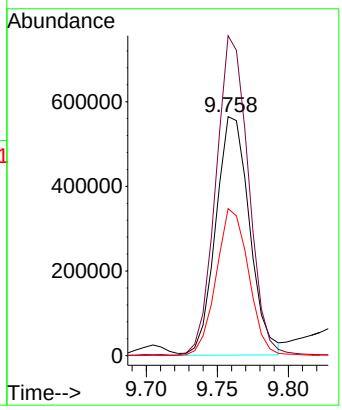




#27
2,4-Dimethylphenol
Concen: 41.179 ng
RT: 9.758 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:122 Resp: 93047

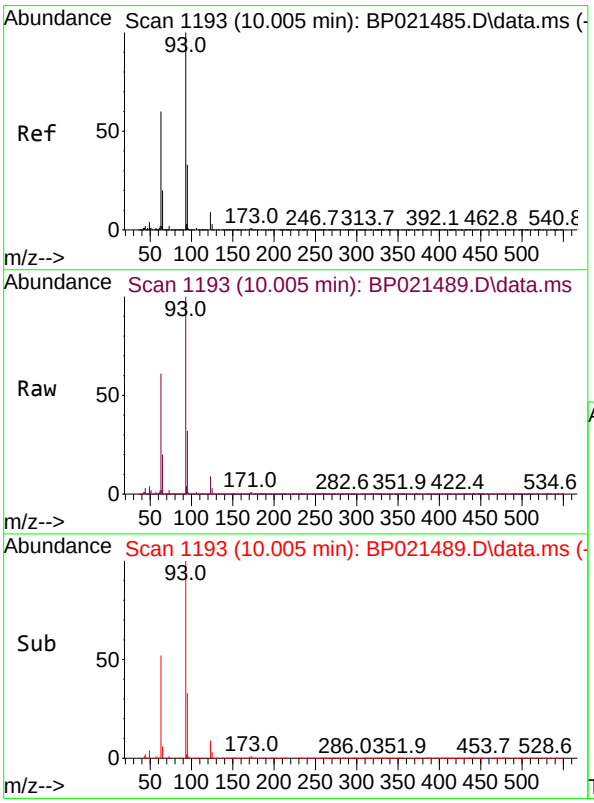
Ion	Ratio	Lower	Upper
122	100		
107	133.8	106.2	159.4
121	61.5	48.8	73.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

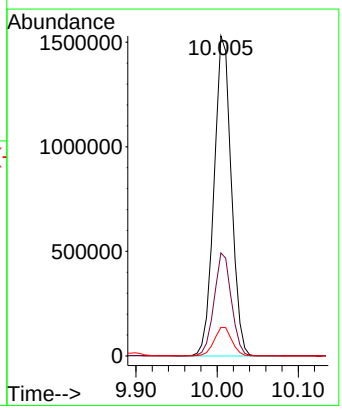
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

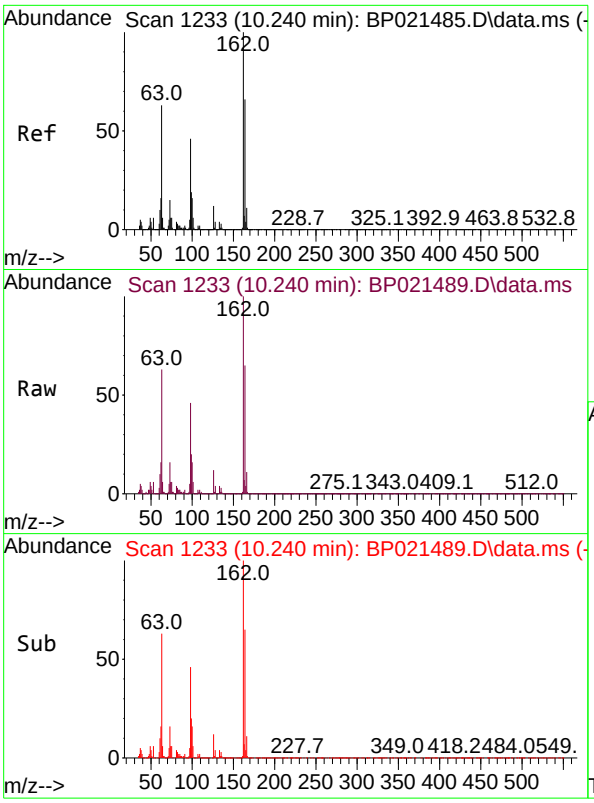


#28
bis(2-Chloroethoxy)methane
Concen: 40.438 ng
RT: 10.005 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 93 Resp: 2260063

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.4
123	8.9	7.6	11.4

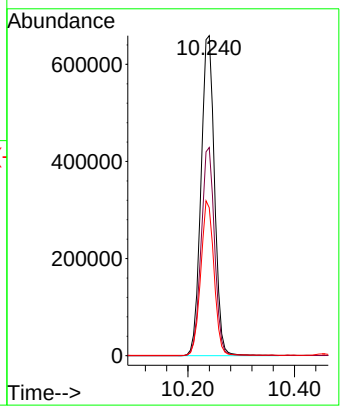




#29
2,4-Dichlorophenol
Concen: 43.442 ng
RT: 10.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:162 Resp: 115980

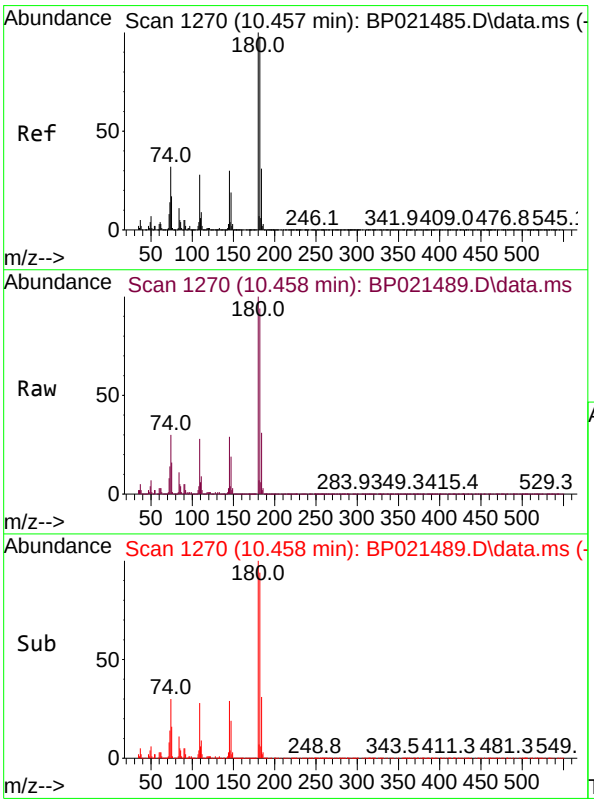
Ion	Ratio	Lower	Upper
162	100		
164	65.1	45.9	85.9
98	46.3	26.3	66.3



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

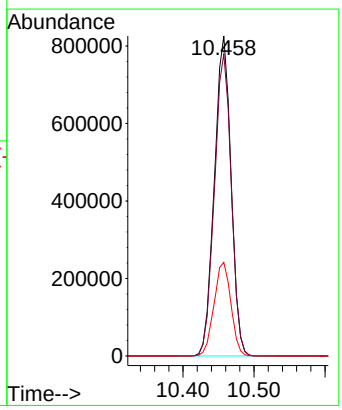
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

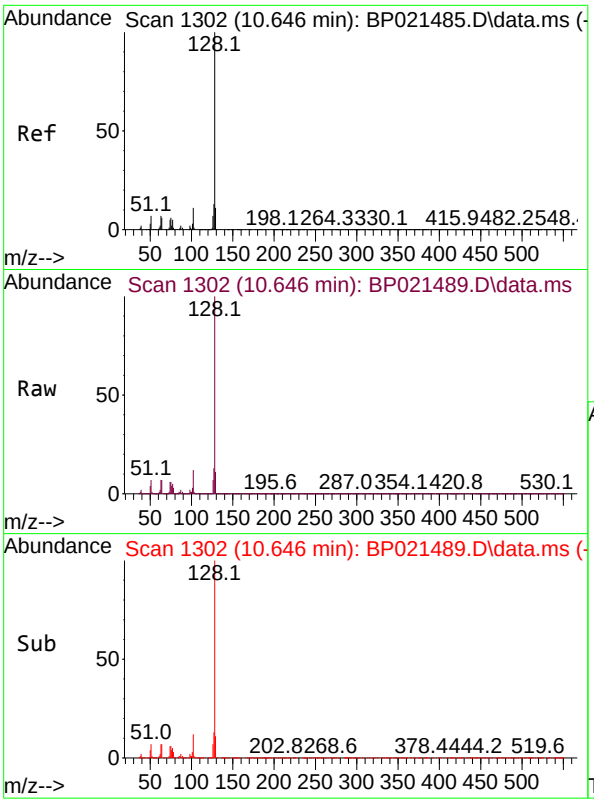


#30
1,2,4-Trichlorobenzene
Concen: 39.146 ng
RT: 10.458 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:180 Resp: 1339874

Ion	Ratio	Lower	Upper
180	100		
182	94.4	78.3	117.5
145	29.3	24.0	36.0

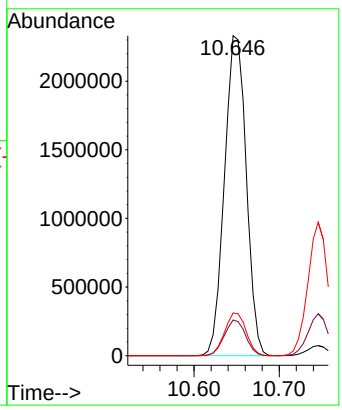




#31
Naphthalene
Concen: 39.629 ng
RT: 10.646 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:128 Resp: 414129

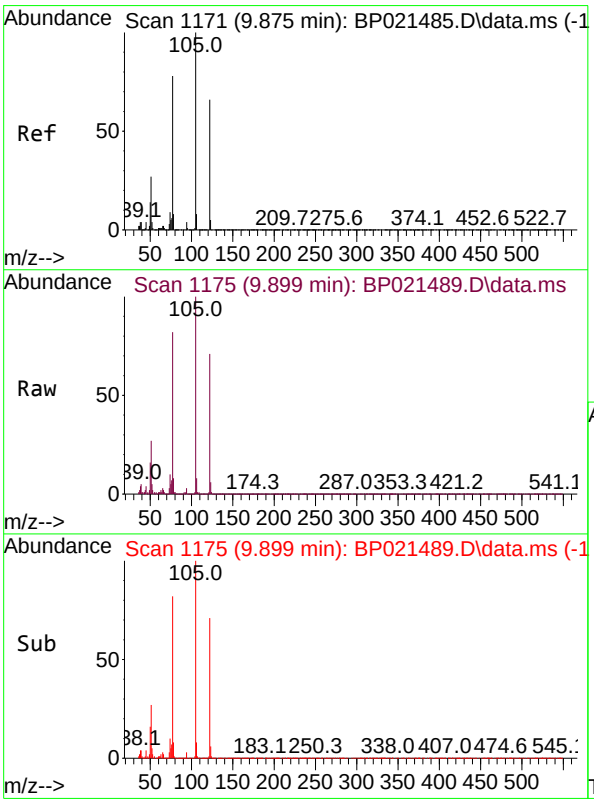
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	13.3	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

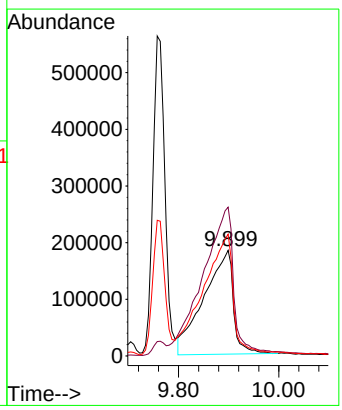
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

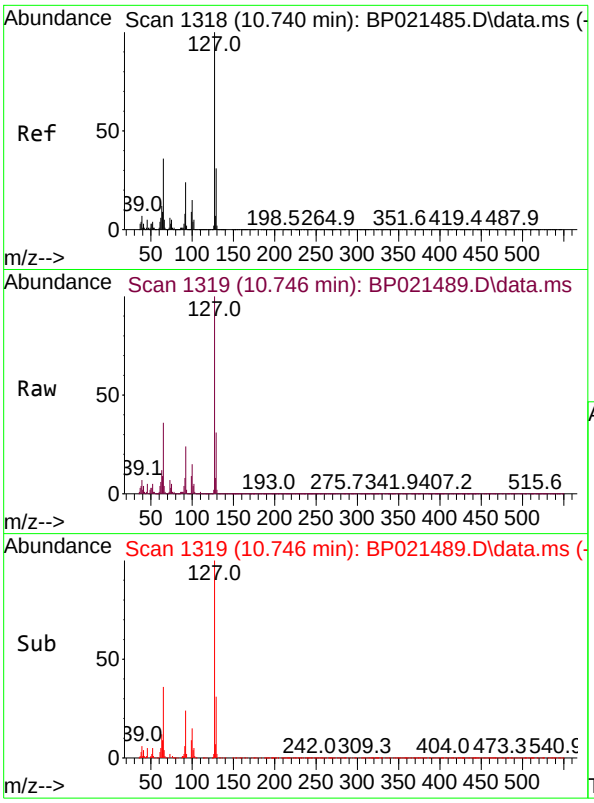


#32
Benzoic acid
Concen: 49.839 ng
RT: 9.899 min Scan# 1175
Delta R.T. 0.024 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:122 Resp: 747114

Ion	Ratio	Lower	Upper
122	100		
105	141.1	124.6	164.6
77	115.3	96.2	136.2

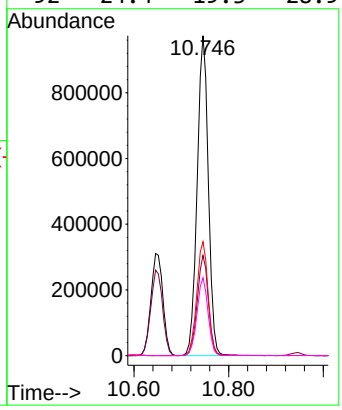




#33
4-Chloroaniline
Concen: 40.617 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:127 Resp: 159438

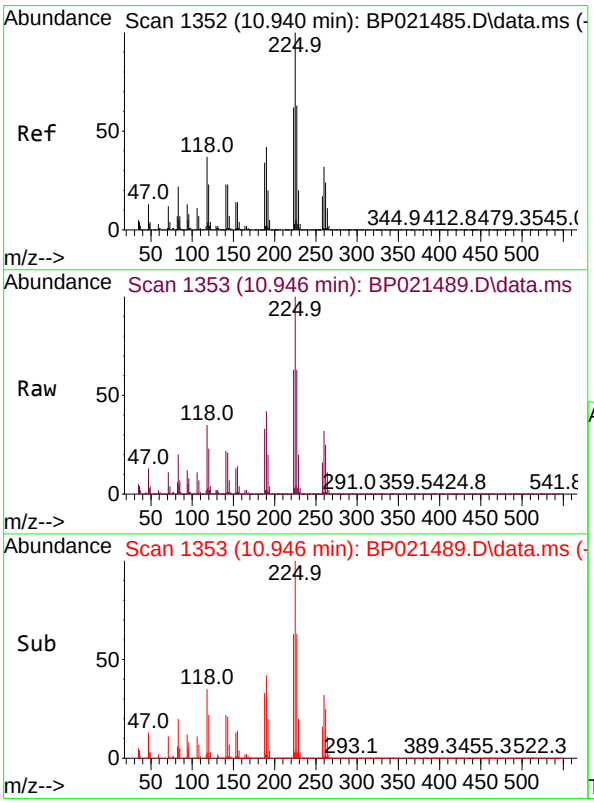
Ion	Ratio	Lower	Upper
127	100		
129	31.4	24.5	36.7
65	35.6	28.9	43.3
92	24.4	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

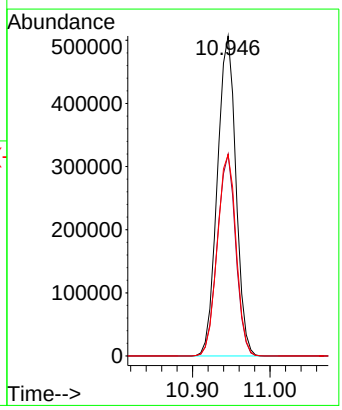
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

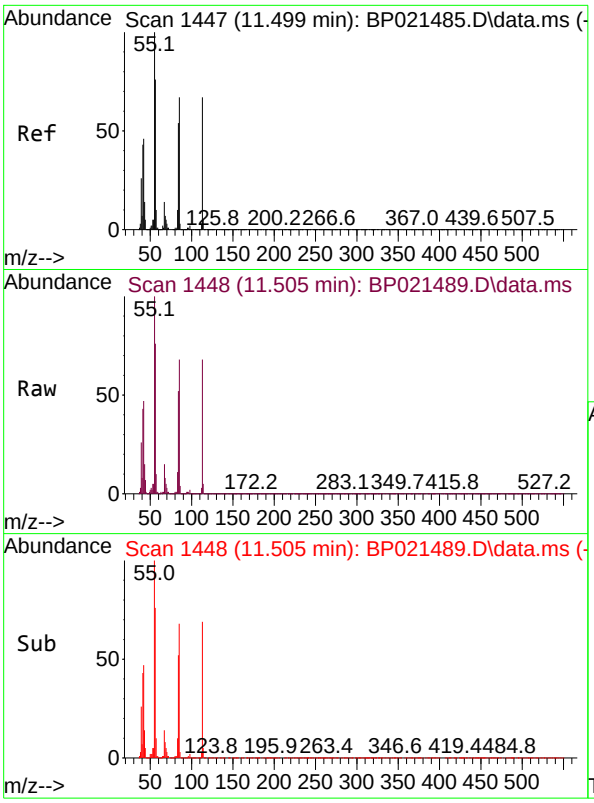


#34
Hexachlorobutadiene
Concen: 39.102 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:225 Resp: 842702

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.6	74.4
227	62.9	50.1	75.1





#35
Caprolactam
Concen: 41.786 ng
RT: 11.505 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

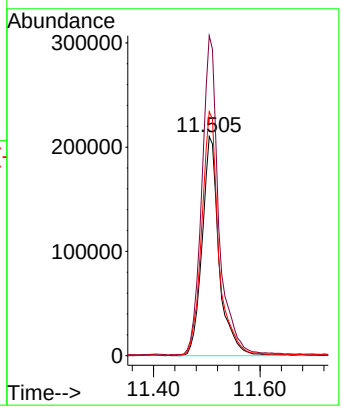
Tgt Ion:113 Resp: 46434

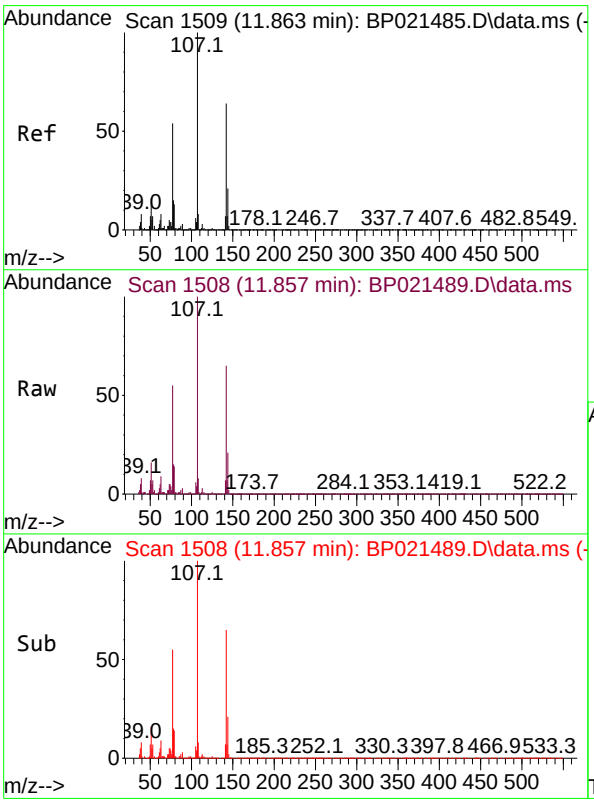
Ion	Ratio	Lower	Upper
113	100		
55	146.0	130.6	170.6
56	111.3	94.6	134.6

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

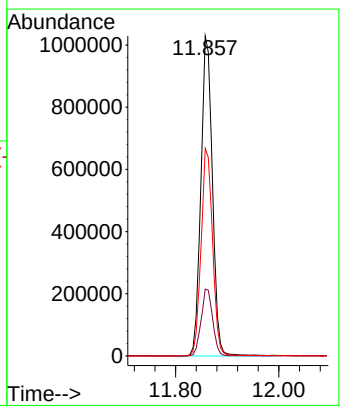


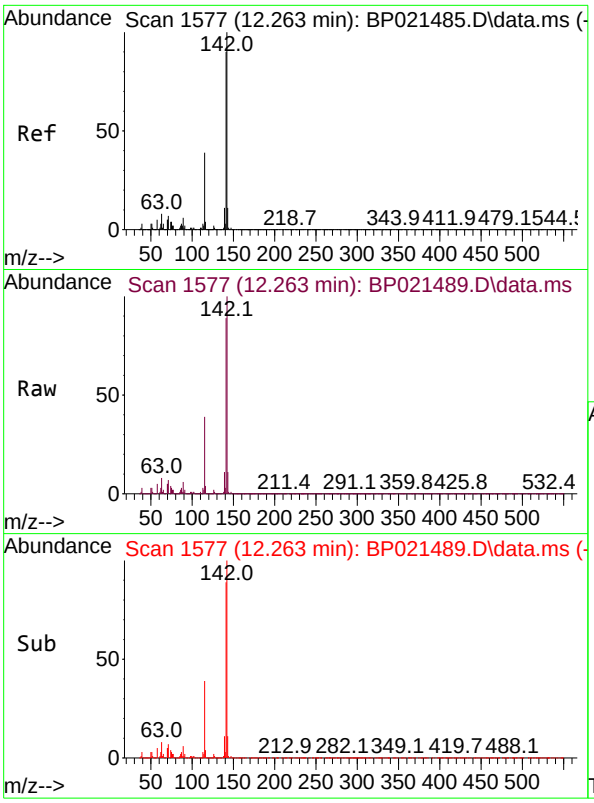


#36
4-Chloro-3-methylphenol
Concen: 42.987 ng
RT: 11.857 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:107 Resp: 1591956

Ion	Ratio	Lower	Upper
107	100		
144	20.9	16.6	24.8
142	64.9	51.0	76.4

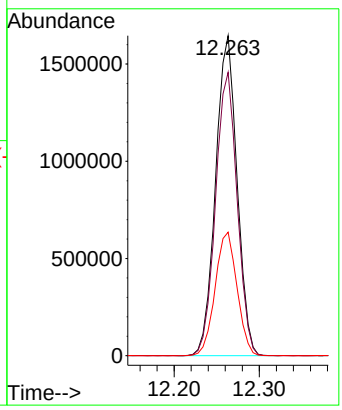




#37
2-Methylnaphthalene
Concen: 40.412 ng
RT: 12.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:142 Resp: 288223

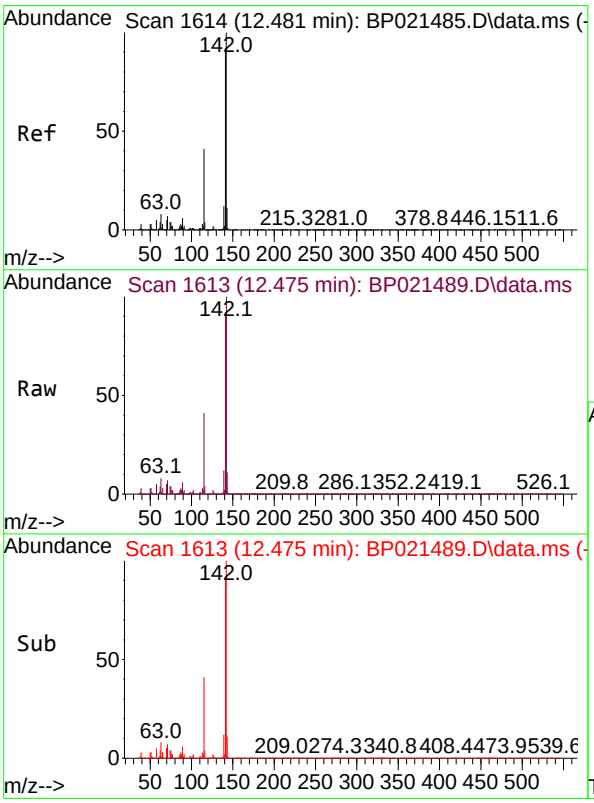
Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.7	107.5
115	38.6	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

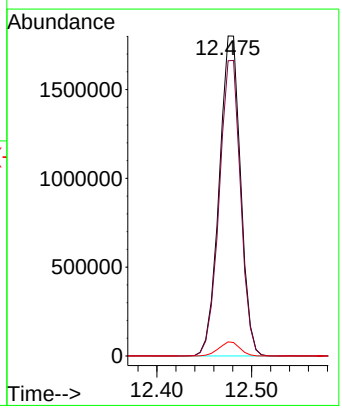
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

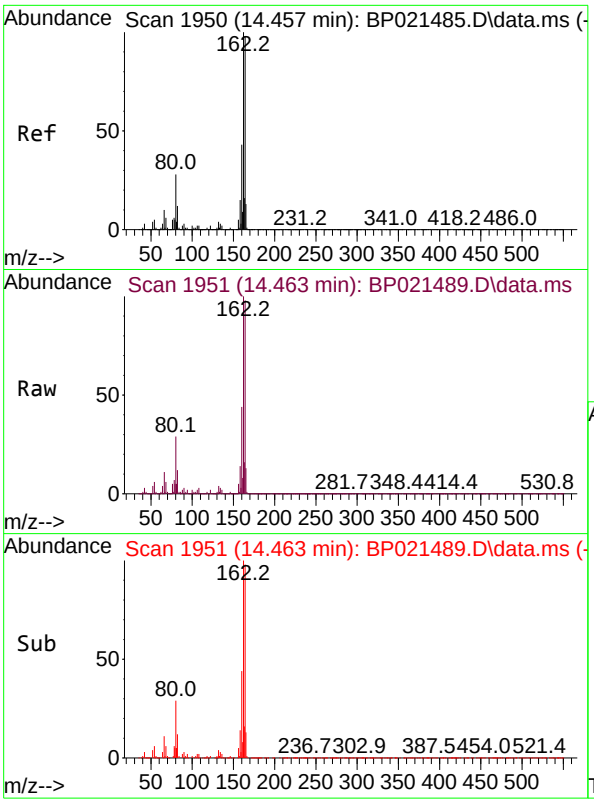


#38
1-Methylnaphthalene
Concen: 40.173 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:142 Resp: 2825877

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.5	110.3
116	4.4	3.4	5.2

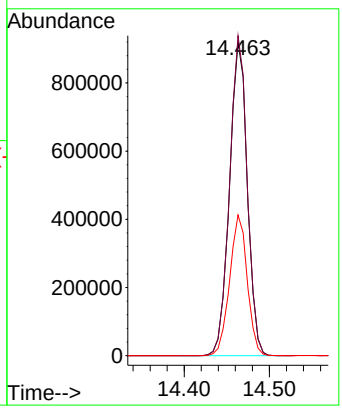




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:164 Resp: 133424

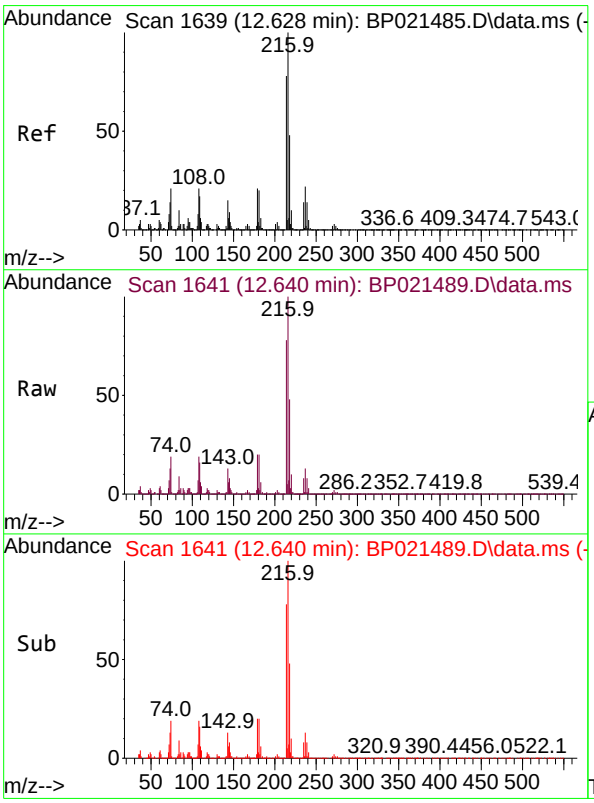
Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.5	122.3
160	44.9	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

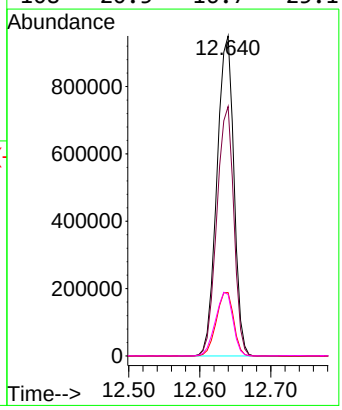
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

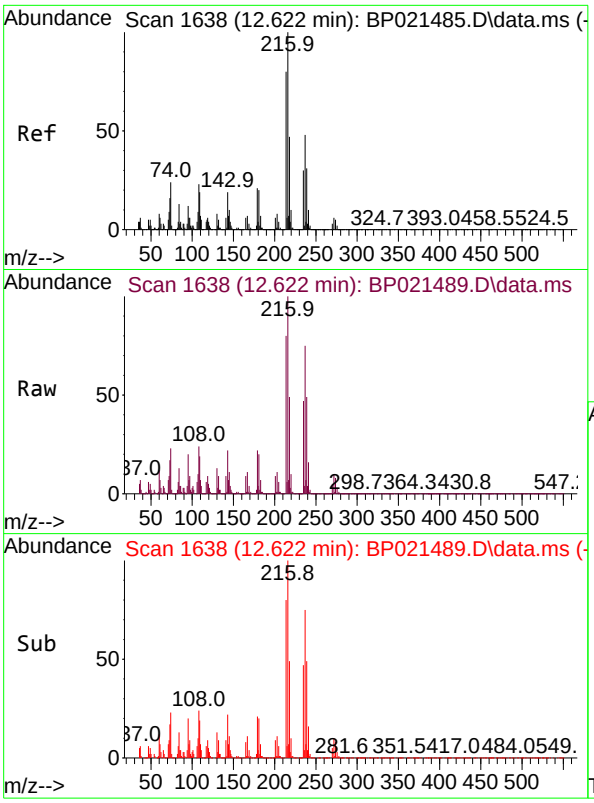


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.261 ng
RT: 12.640 min Scan# 1641
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:216 Resp: 1573947

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.5	93.7
179	20.3	16.4	24.6
108	20.5	16.7	25.1

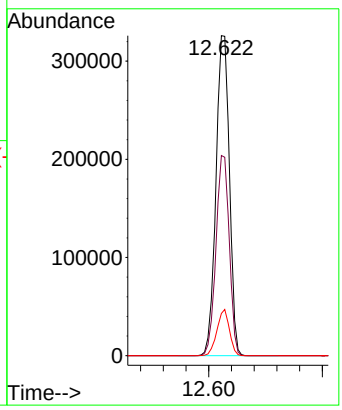




#41
Hexachlorocyclopentadiene
Concen: 43.183 ng
RT: 12.622 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:237 Resp: 53505(

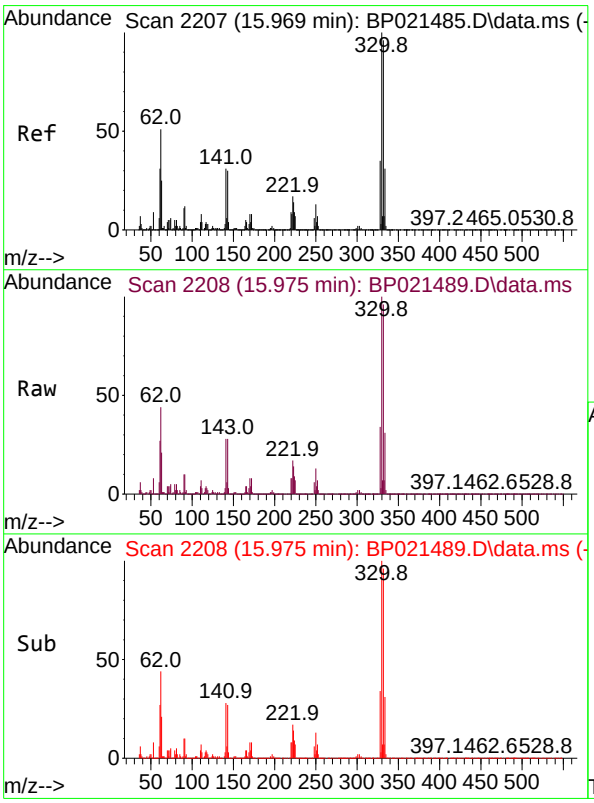
Ion	Ratio	Lower	Upper
237	100		
235	62.6	43.9	83.9
272	13.2	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

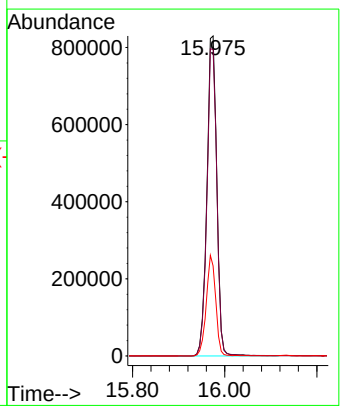
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

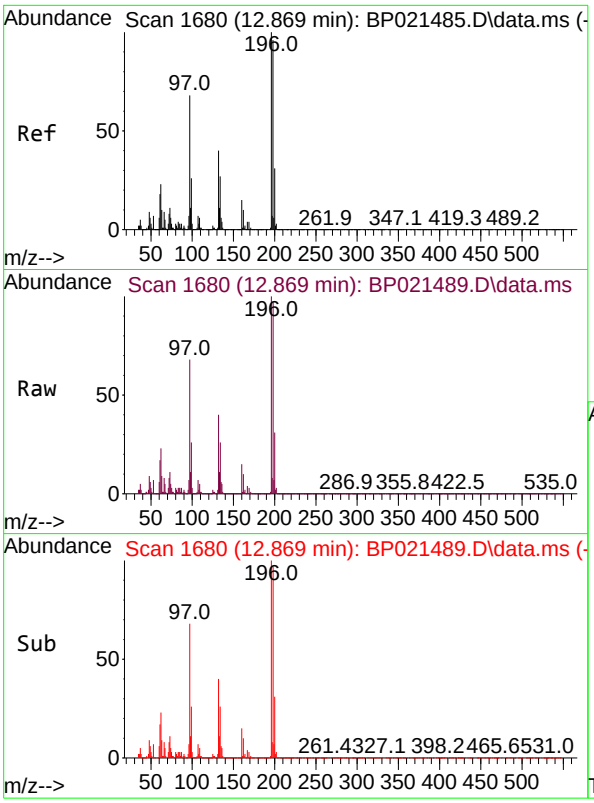


#42
2,4,6-Tribromophenol
Concen: 83.477 ng
RT: 15.975 min Scan# 2208
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:330 Resp: 1239599

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.4	116.0
141	30.2	24.5	36.7

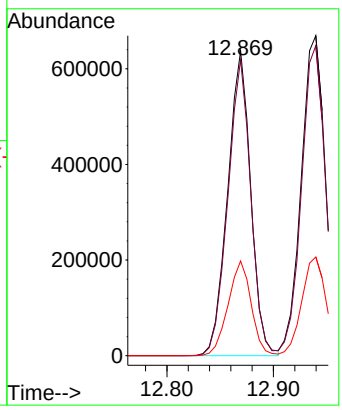




#43
2,4,6-Trichlorophenol
Concen: 44.249 ng
RT: 12.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:196 Resp: 96091

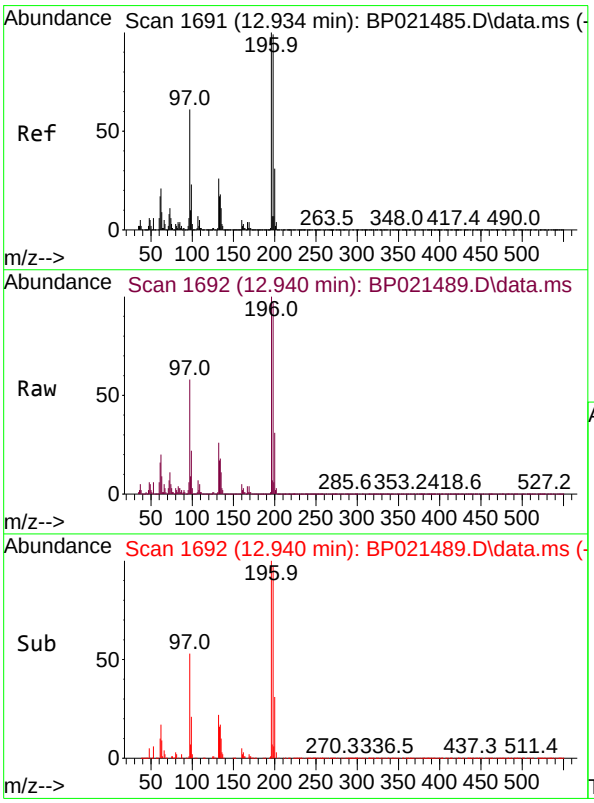
Ion	Ratio	Lower	Upper
196	100		
198	97.1	76.6	114.8
200	31.1	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

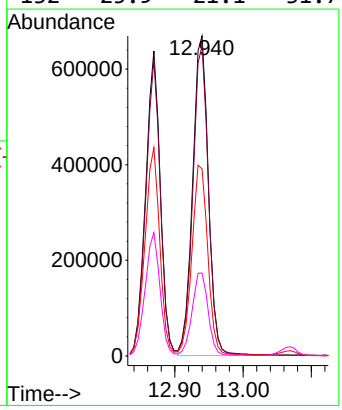
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

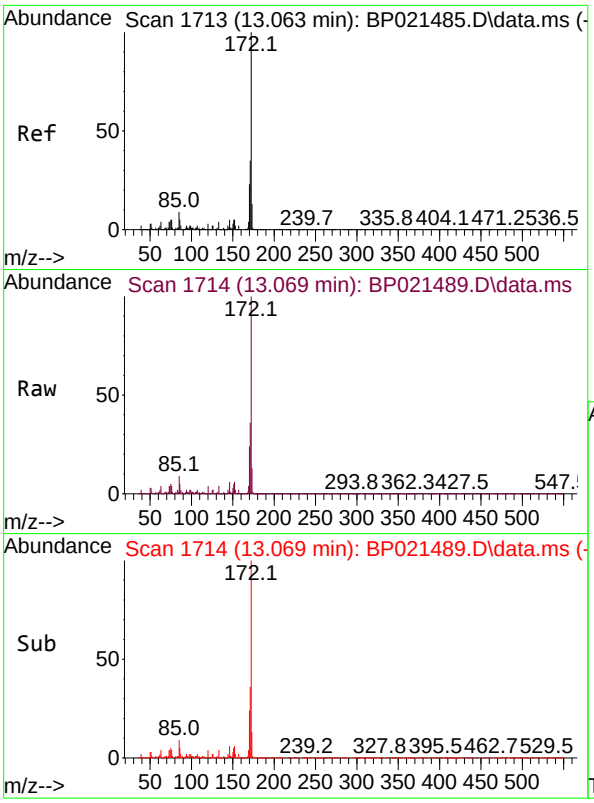


#44
2,4,5-Trichlorophenol
Concen: 44.396 ng
RT: 12.940 min Scan# 1692
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:196 Resp: 1071161

Ion	Ratio	Lower	Upper
196	100		
198	96.9	78.9	118.3
97	58.5	49.4	74.0
132	25.9	21.1	31.7

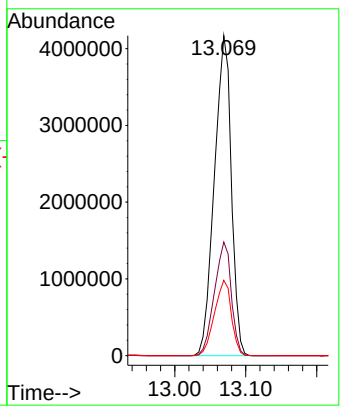




#45
2-Fluorobiphenyl
Concen: 78.649 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:172 Resp: 687586

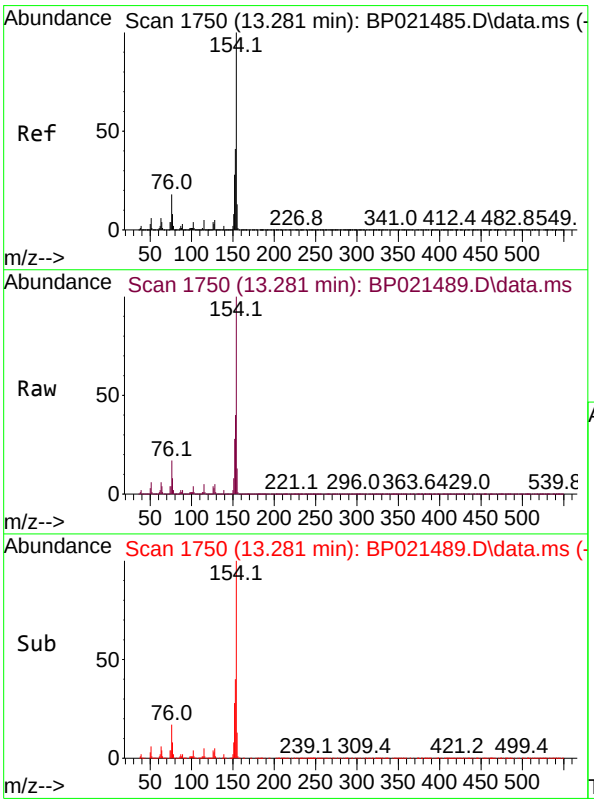
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.4
170	23.6	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

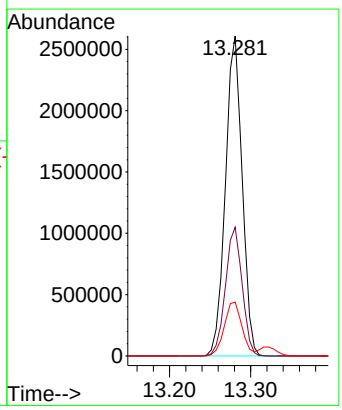
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

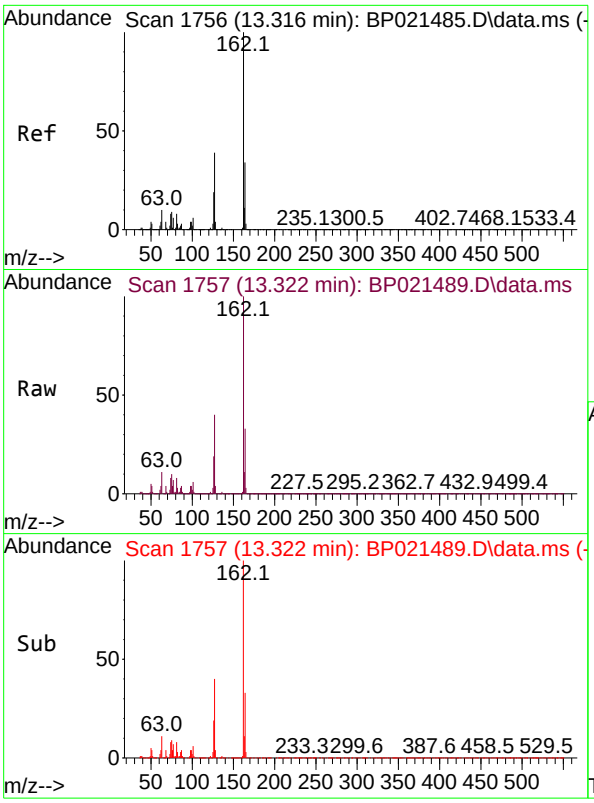


#46
1,1'-Biphenyl
Concen: 39.542 ng
RT: 13.281 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:154 Resp: 3732699

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.7	60.7
76	16.9	0.0	37.7

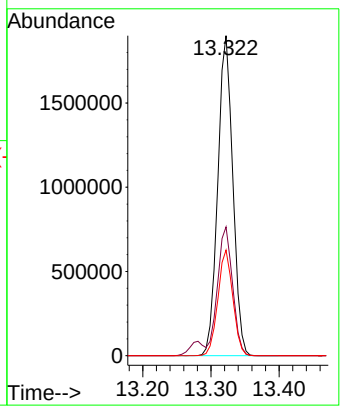




#47
2-Chloronaphthalene
Concen: 39.695 ng
RT: 13.322 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:162 Resp: 291730

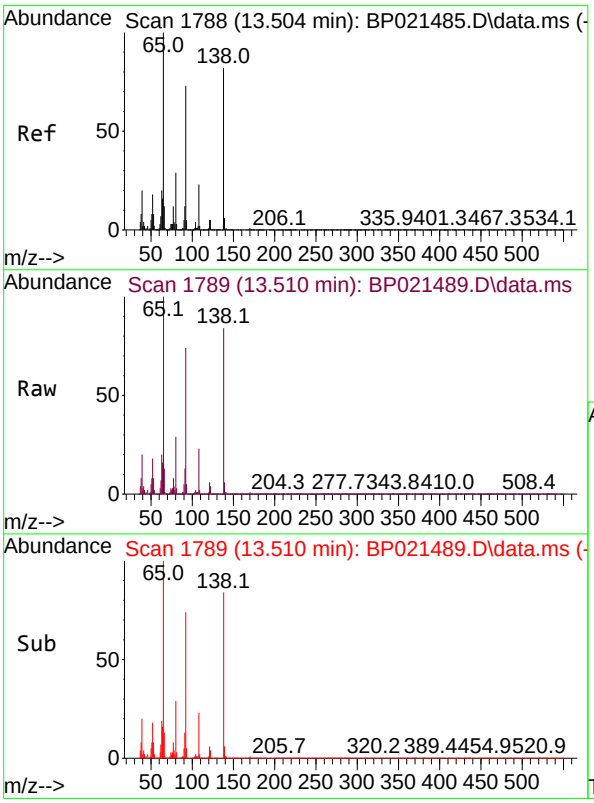
Ion	Ratio	Lower	Upper
162	100		
127	40.2	31.9	47.9
164	33.0	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

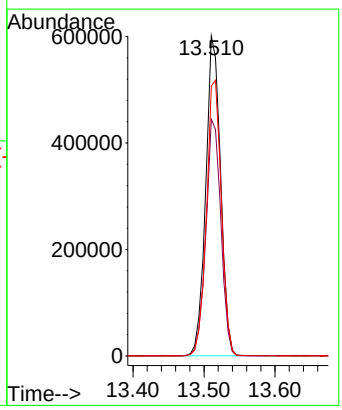
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

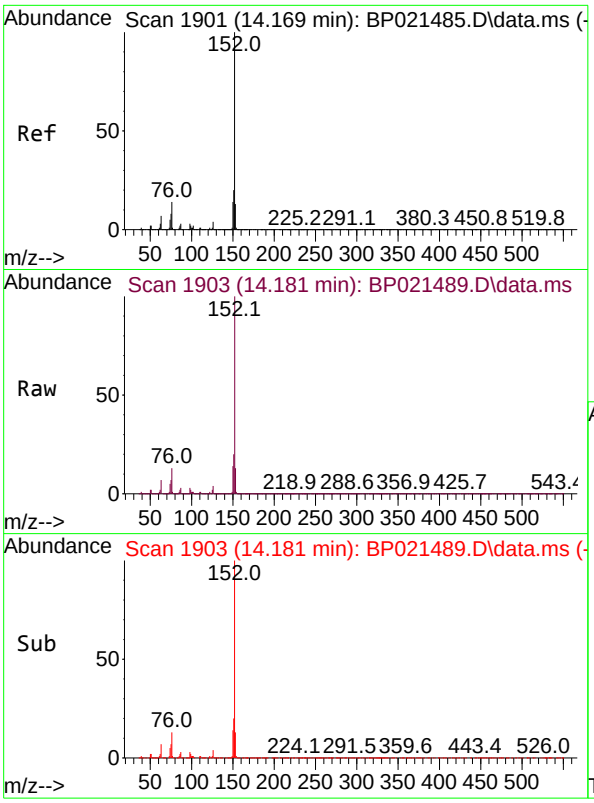


#48
2-Nitroaniline
Concen: 43.044 ng
RT: 13.510 min Scan# 1789
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 65 Resp: 874355

Ion	Ratio	Lower	Upper
65	100		
92	74.0	58.1	87.1
138	84.4	65.5	98.3





#49
Acenaphthylene
Concen: 39.531 ng
RT: 14.181 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

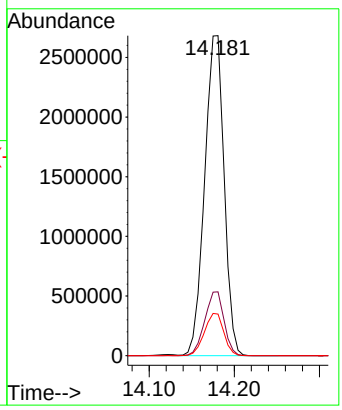
Instrument :
BNA_P
ClientSampleId :
ICVBP081324

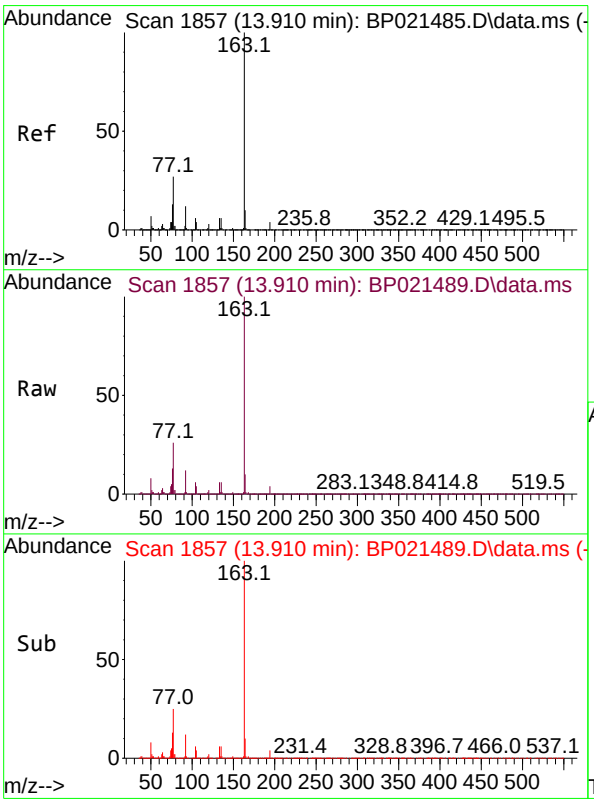
Tgt Ion:152 Resp: 427089

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.0	10.6	16.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

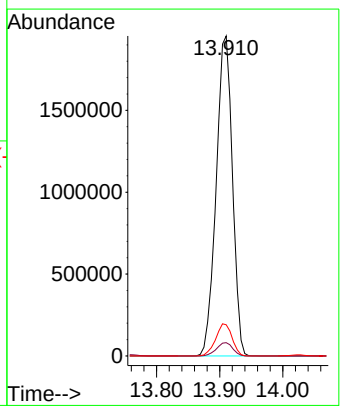


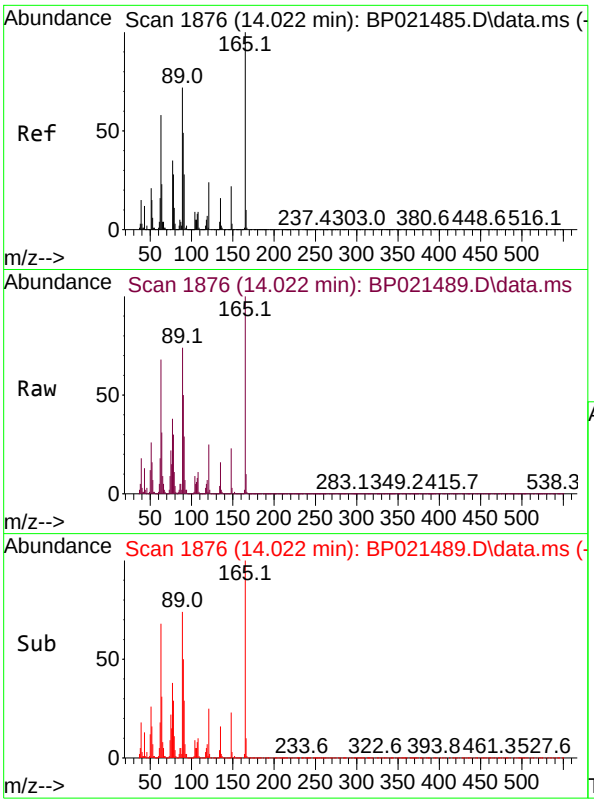


#50
Dimethylphthalate
Concen: 39.127 ng
RT: 13.910 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:163 Resp: 3496130

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.7	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 41.424 ng
RT: 14.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

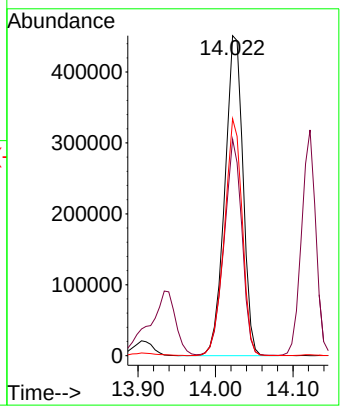
Tgt Ion:165 Resp: 73599

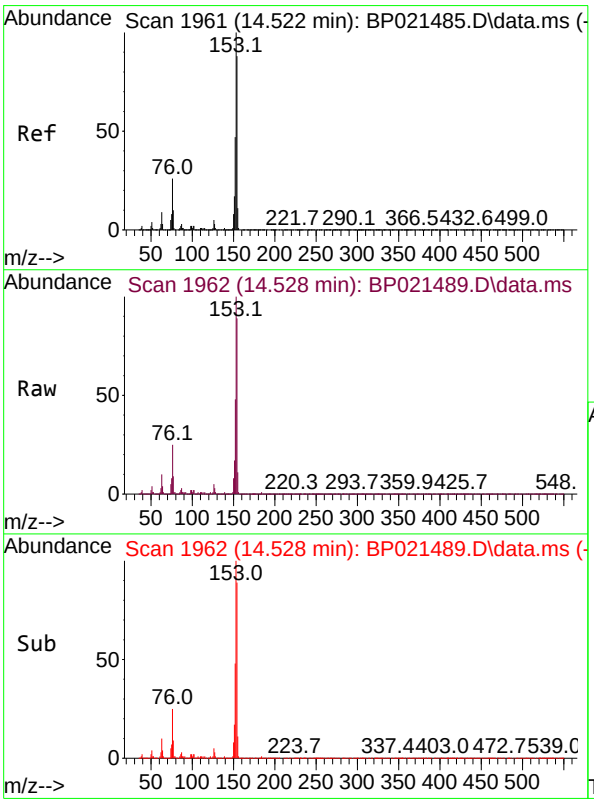
Ion	Ratio	Lower	Upper
165	100		
63	67.6	51.5	77.3
89	74.0	57.8	86.8

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

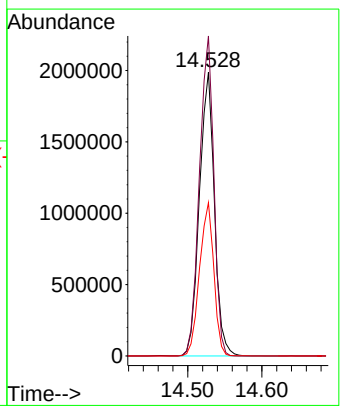


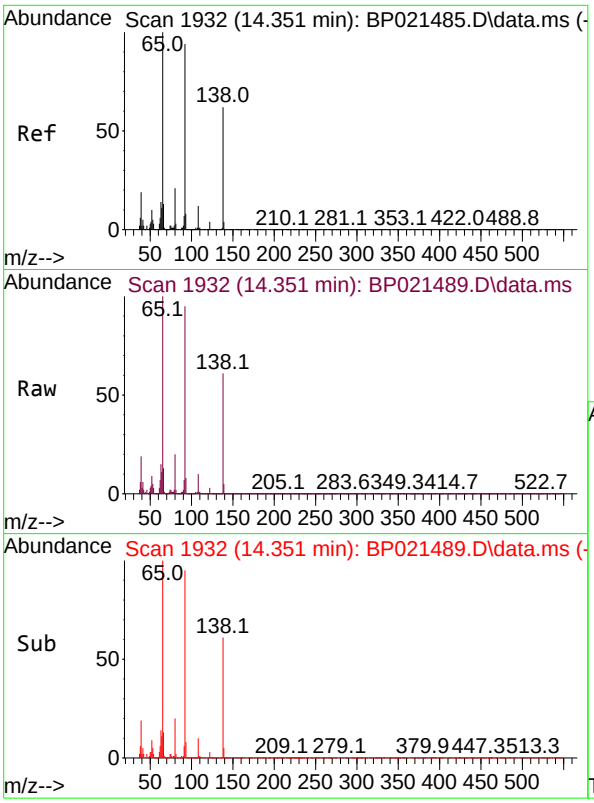


#52
Acenaphthene
Concen: 39.366 ng
RT: 14.528 min Scan# 1962
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:154 Resp: 2790584

Ion	Ratio	Lower	Upper
154	100		
153	112.8	91.1	136.7
152	54.0	43.0	64.4





#53
3-Nitroaniline
Concen: 40.483 ng
RT: 14.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

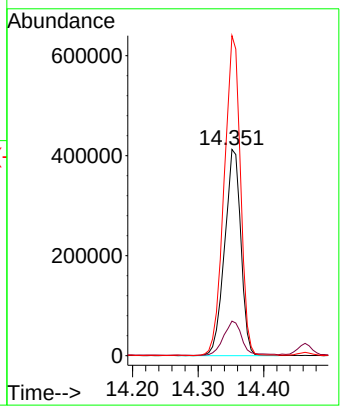
Tgt Ion:138 Resp: 70542

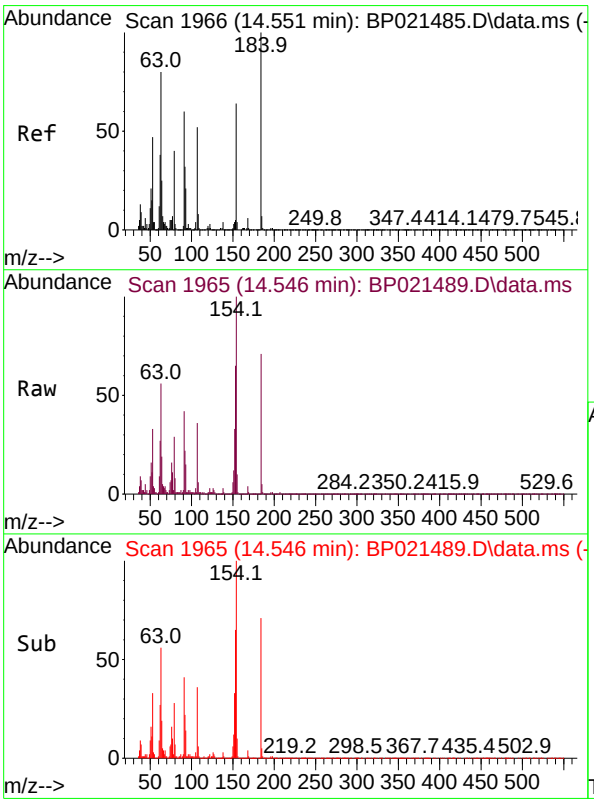
Ion	Ratio	Lower	Upper
138	100		
108	16.7	16.2	24.4
92	155.2	122.2	183.4

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

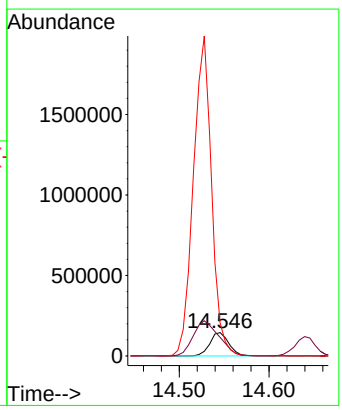


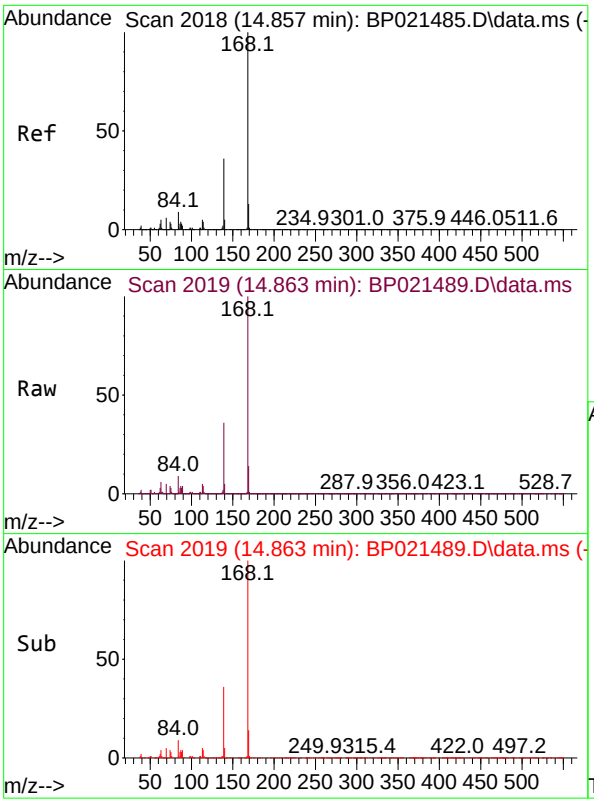


#54
2,4-Dinitrophenol
Concen: 45.065 ng
RT: 14.546 min Scan# 1965
Delta R.T. -0.005 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:184 Resp: 215120

Ion	Ratio	Lower	Upper
184	100		
63	79.1	64.9	97.3
154	140.5	52.1	78.1#

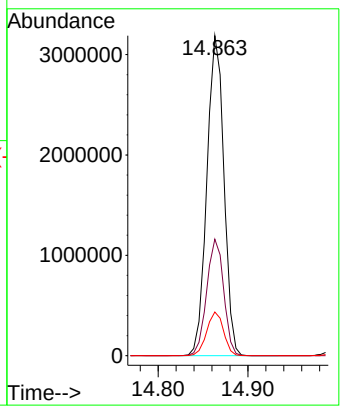




#55
Dibenzofuran
Concen: 38.543 ng
RT: 14.863 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:168 Resp: 420299

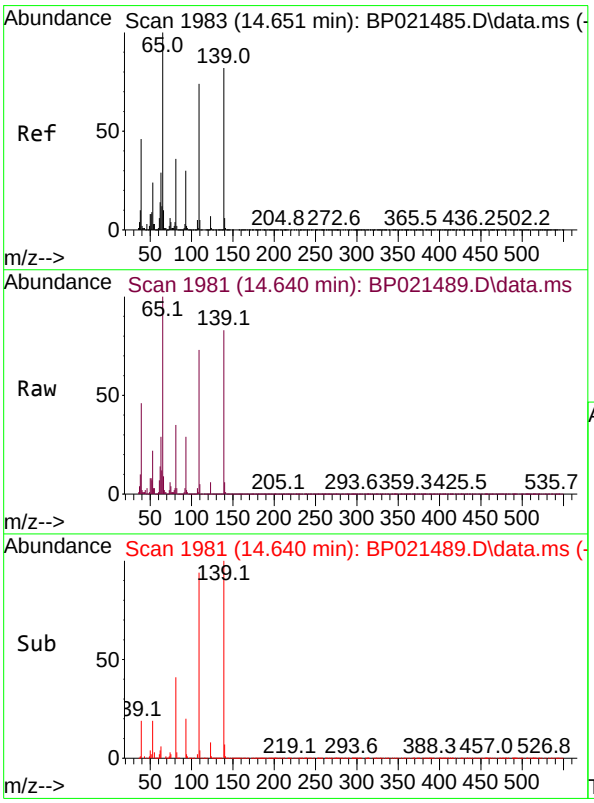
Ion	Ratio	Lower	Upper
168	100		
139	36.4	28.6	43.0
169	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

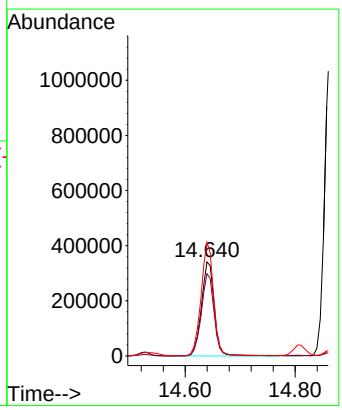
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

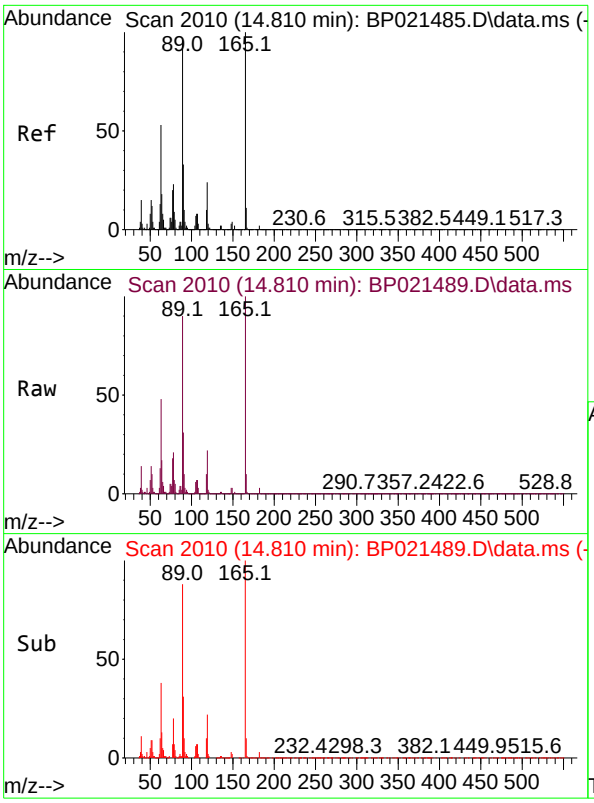


#56
4-Nitrophenol
Concen: 39.582 ng
RT: 14.640 min Scan# 1981
Delta R.T. -0.011 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:139 Resp: 545969

Ion	Ratio	Lower	Upper
139	100		
109	87.4	70.2	110.2
65	120.5	101.8	141.8

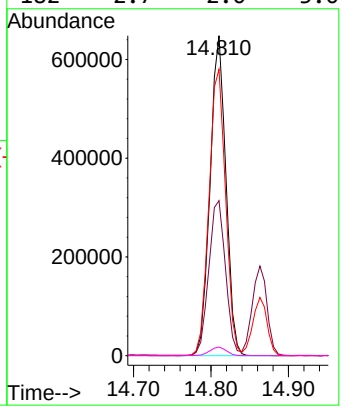




#57
2,4-Dinitrotoluene
Concen: 40.864 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:165 Resp: 91779

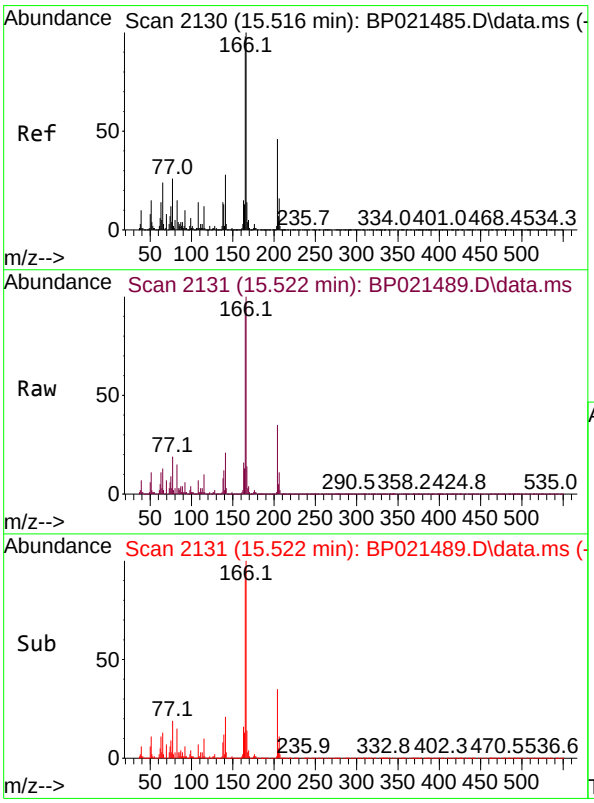
Ion	Ratio	Lower	Upper
165	100		
63	48.5	42.5	63.7
89	89.5	77.1	115.7
182	2.7	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

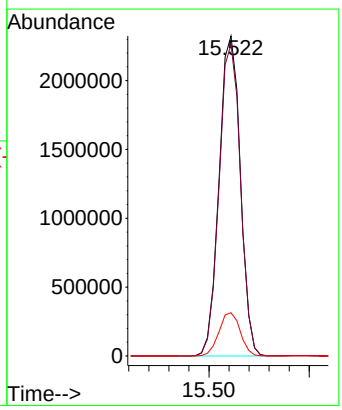
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

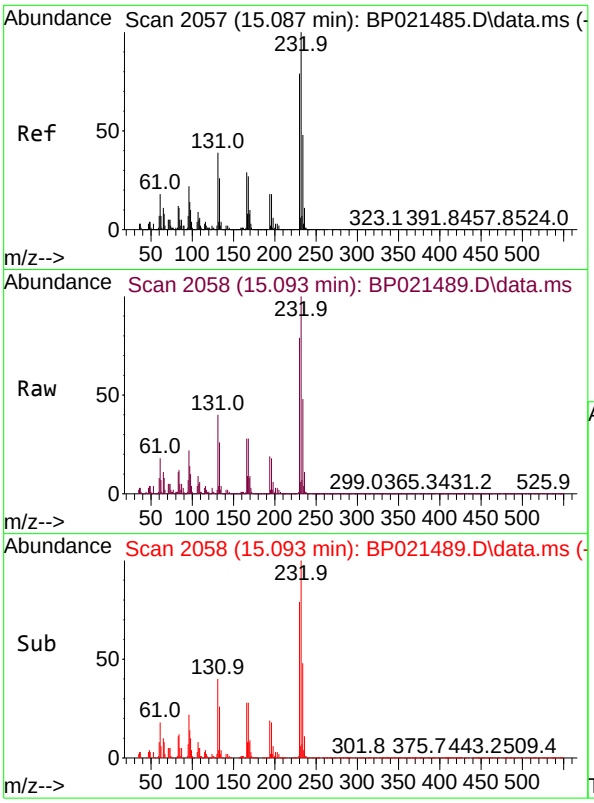


#58
Fluorene
Concen: 38.055 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:166 Resp: 3409197

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.1	117.1
167	13.5	11.0	16.4

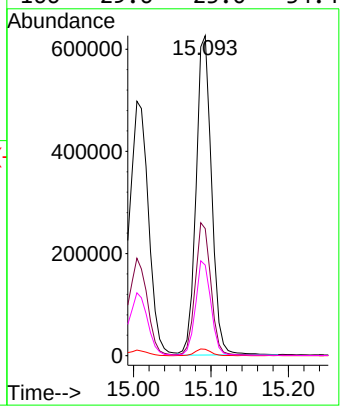




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.310 ng
RT: 15.093 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:232 Resp: 86645

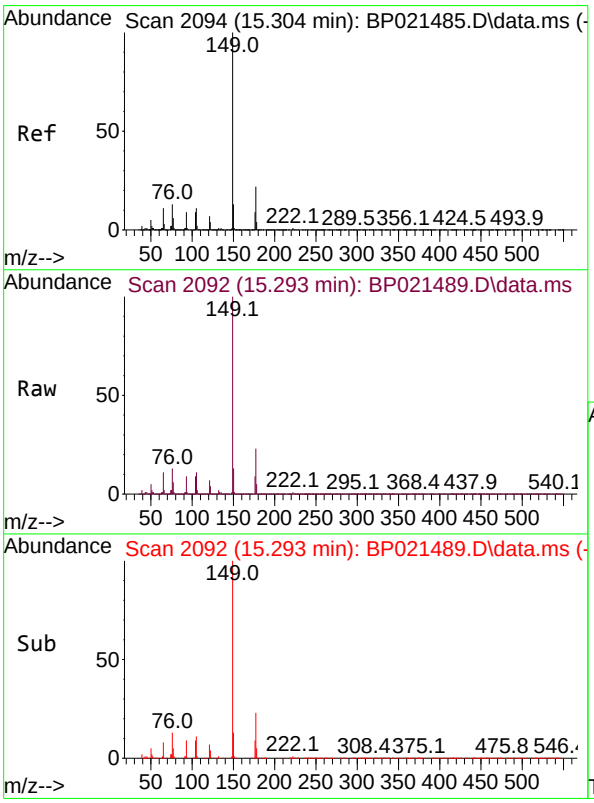
Ion	Ratio	Lower	Upper
232	100		
131	42.1	33.1	49.7
130	2.2	1.7	2.5
166	29.6	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

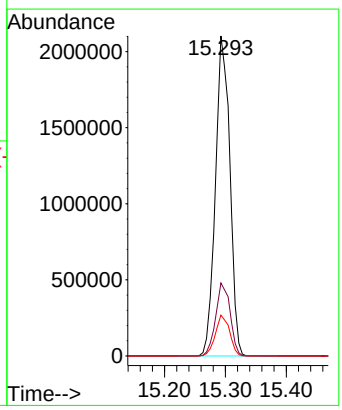
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

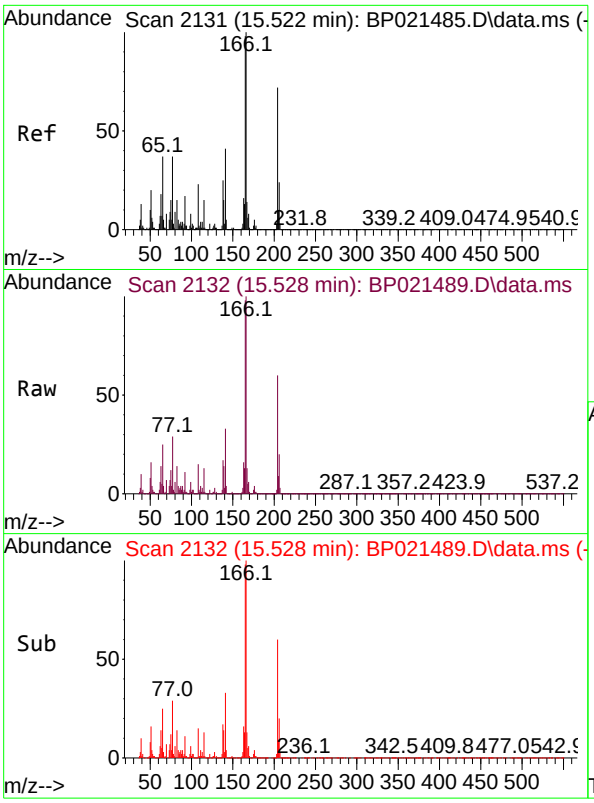


#60
Diethylphthalate
Concen: 37.752 ng
RT: 15.293 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:149 Resp: 3461071

Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.8	26.8
150	12.7	10.1	15.1

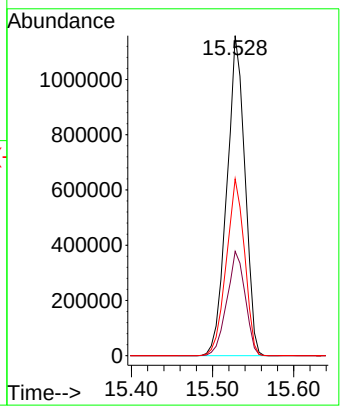




#61
4-Chlorophenyl-phenylether
Concen: 38.777 ng
RT: 15.528 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:204 Resp: 179566

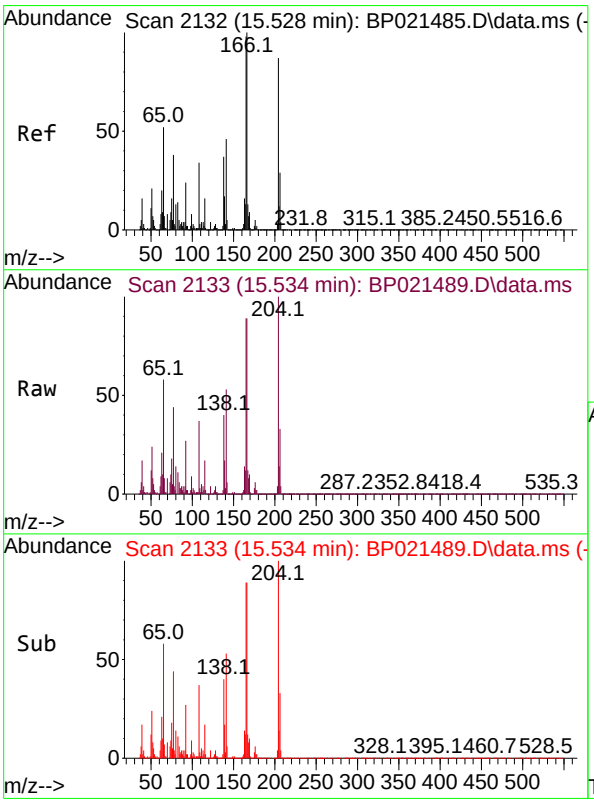
Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.4	39.6
141	55.3	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

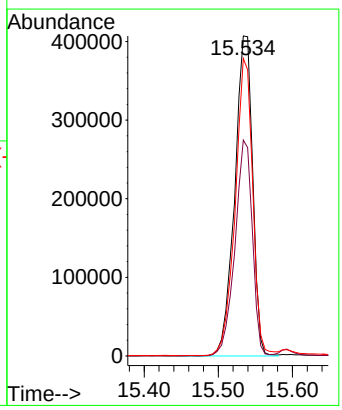
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

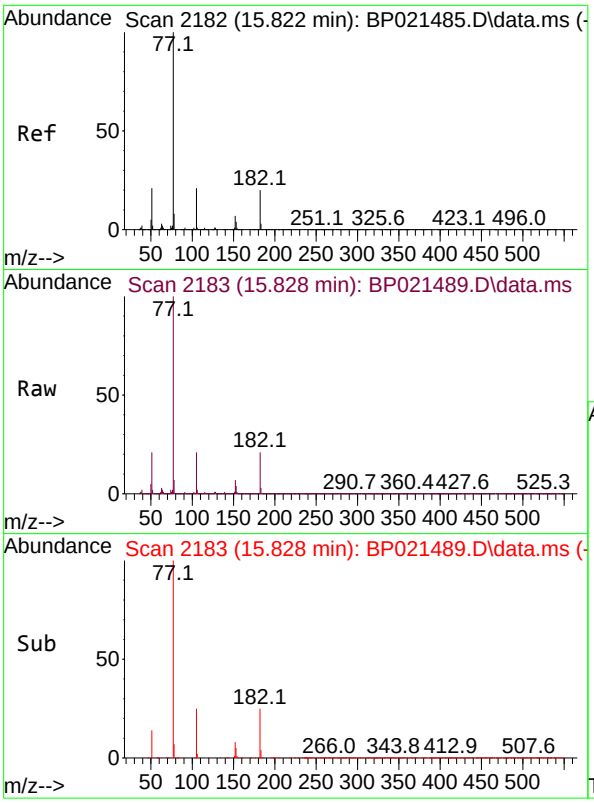


#62
4-Nitroaniline
Concen: 38.254 ng
RT: 15.534 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:138 Resp: 685273

Ion	Ratio	Lower	Upper
138	100		
92	67.4	46.4	86.4
108	93.0	73.2	113.2

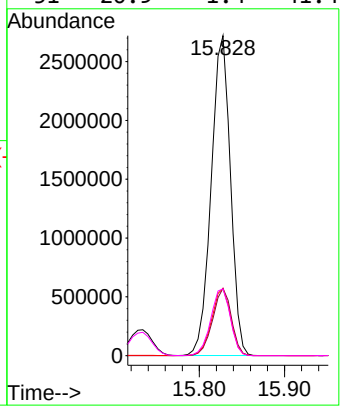




#63
Azobenzene
Concen: 37.833 ng
RT: 15.828 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 77 Resp: 426359

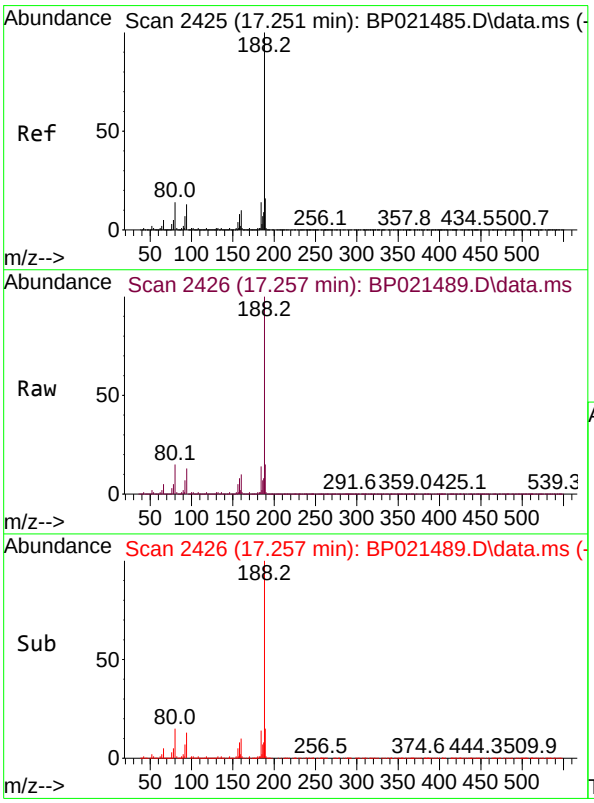
Ion	Ratio	Lower	Upper
77	100		
182	21.0	0.0	39.9
105	21.0	0.9	40.9
51	20.9	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

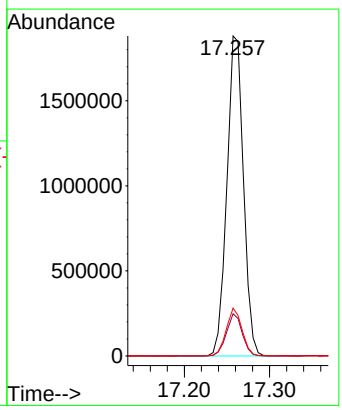
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

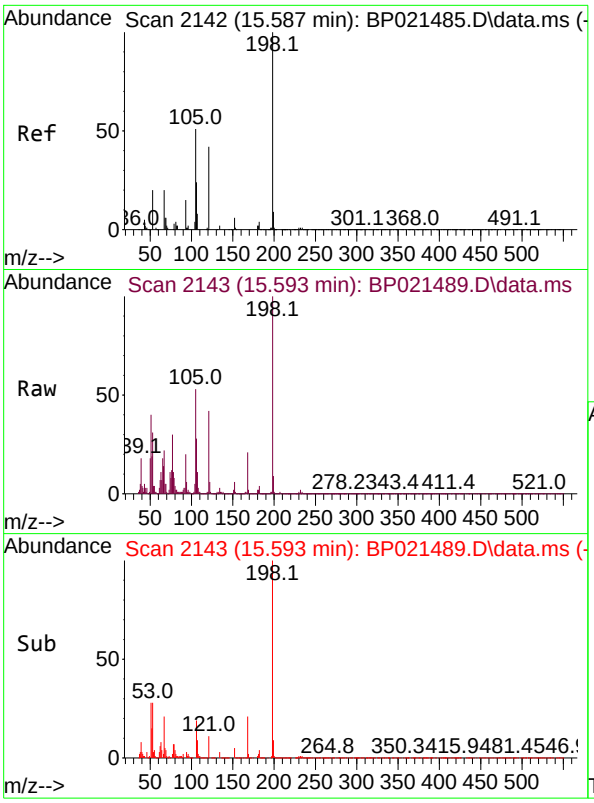


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:188 Resp: 2538103

Ion	Ratio	Lower	Upper
188	100		
94	13.2	10.2	15.4
80	15.0	11.6	17.4

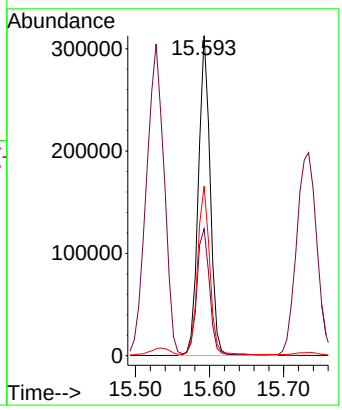




#65
4,6-Dinitro-2-methylphenol
Concen: 46.281 ng
RT: 15.593 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:198 Resp: 34350

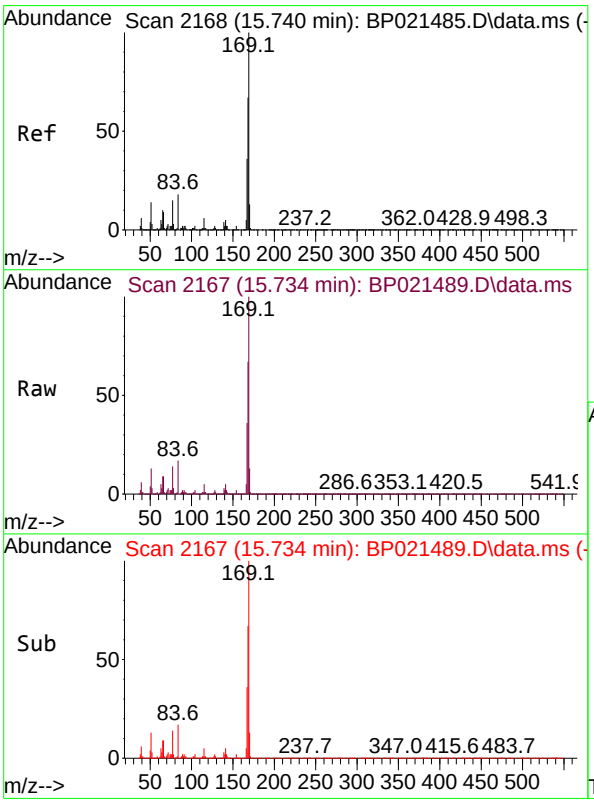
Ion	Ratio	Lower	Upper
198	100		
51	39.6	21.5	61.5
105	53.0	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

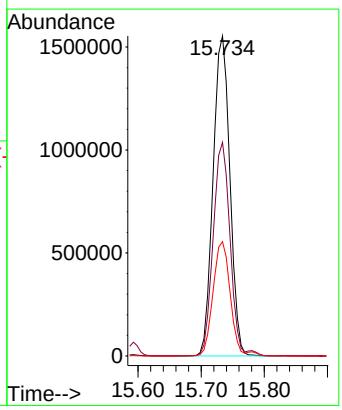
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

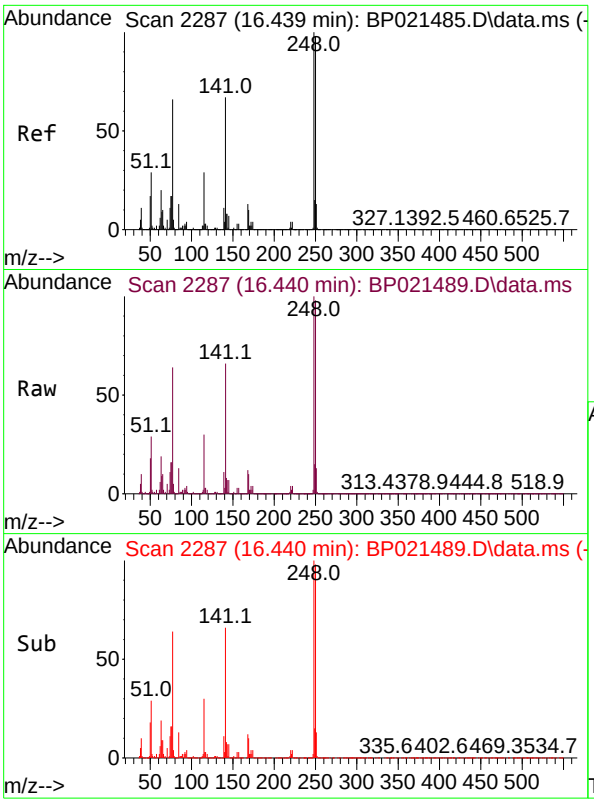


#66
n-Nitrosodiphenylamine
Concen: 42.093 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:169 Resp: 2863059

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	35.7	28.7	43.1

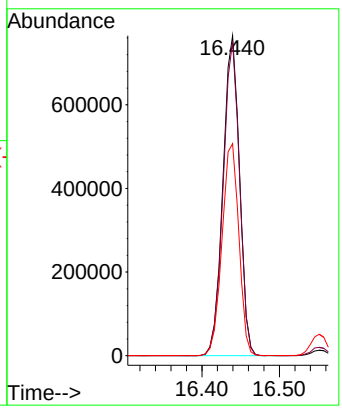




#67
4-Bromophenyl-phenylether
Concen: 42.289 ng
RT: 16.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:248 Resp: 113596

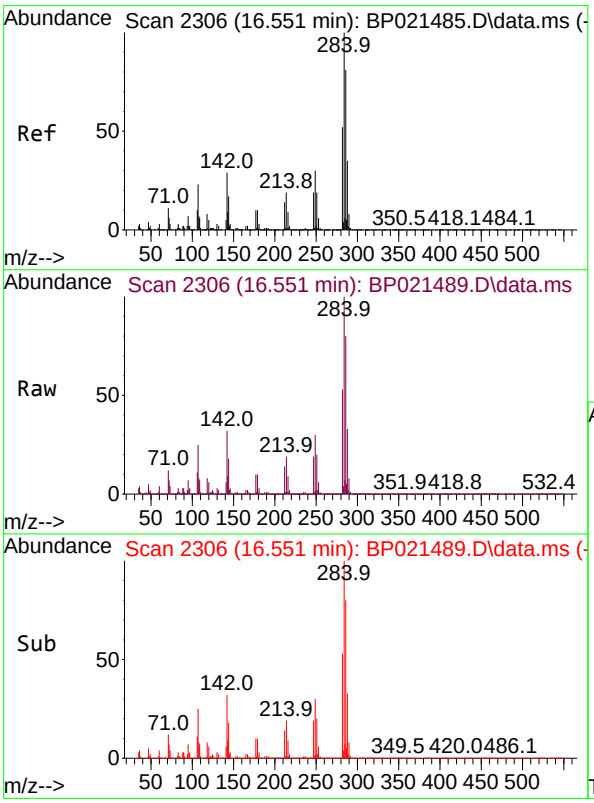
Ion	Ratio	Lower	Upper
248	100		
250	98.2	78.6	117.8
141	66.3	53.9	80.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

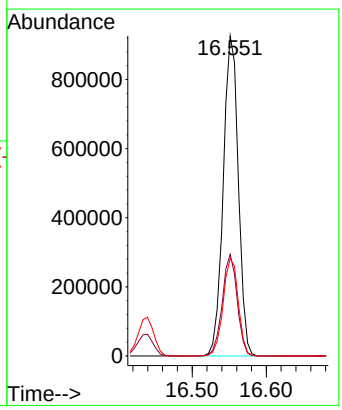
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

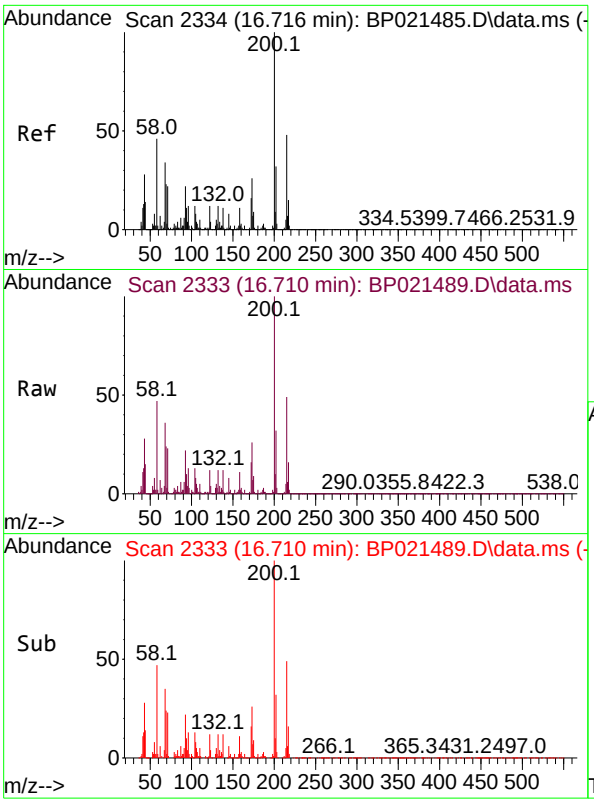


#68
Hexachlorobenzene
Concen: 41.161 ng
RT: 16.551 min Scan# 2306
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:284 Resp: 1306627

Ion	Ratio	Lower	Upper
284	100		
142	31.8	23.4	35.2
249	30.4	24.1	36.1

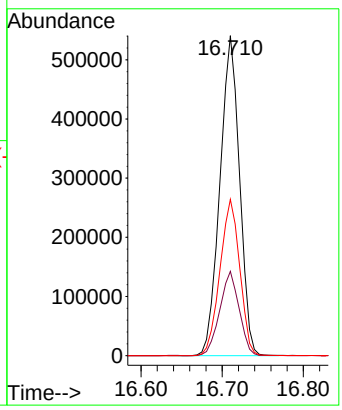




#69
Atrazine
Concen: 38.851 ng
RT: 16.710 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:200 Resp: 90726

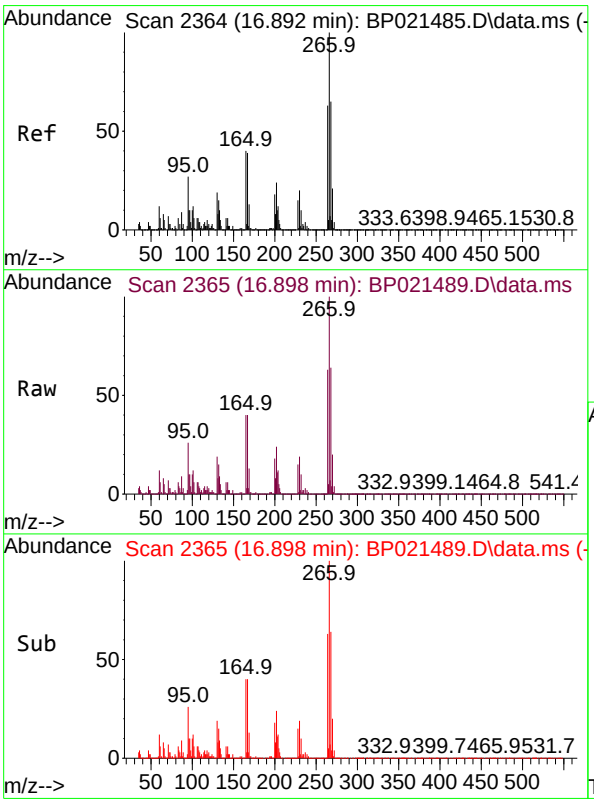
Ion	Ratio	Lower	Upper
200	100		
173	26.3	6.2	46.2
215	48.9	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

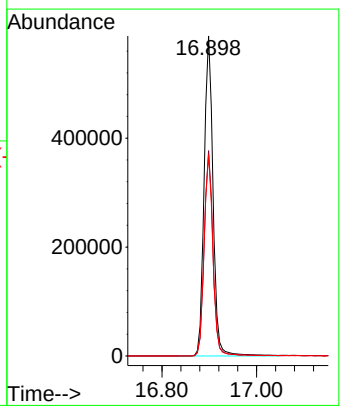
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

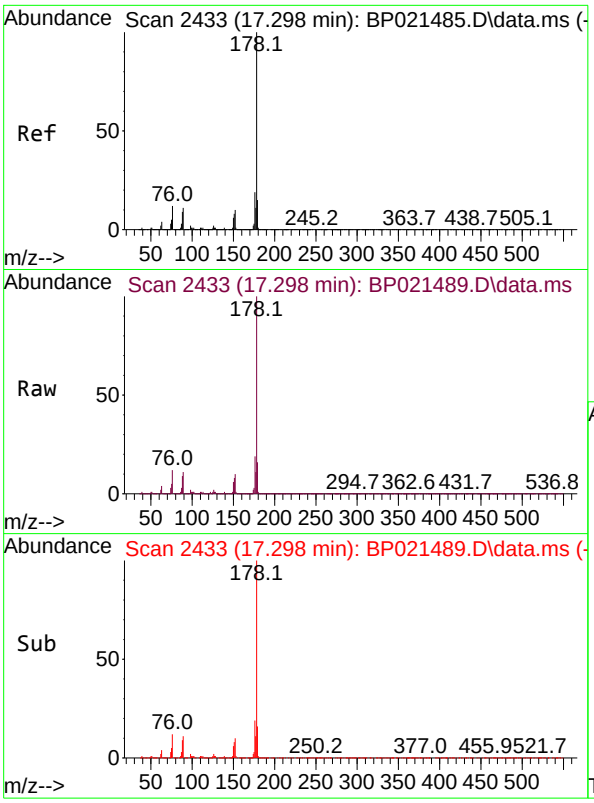


#70
Pentachlorophenol
Concen: 44.446 ng
RT: 16.898 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:266 Resp: 770079

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.8	77.6
264	63.0	50.5	75.7





#71
Phenanthrene
Concen: 39.541 ng
RT: 17.298 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

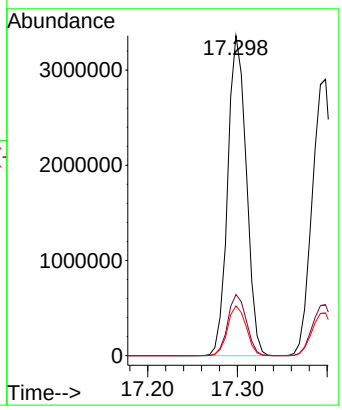
Tgt Ion:178 Resp: 482648

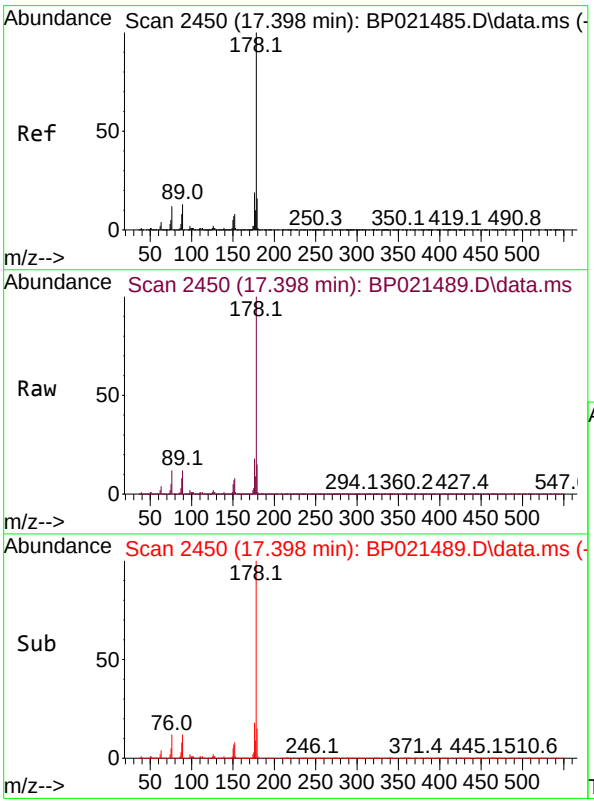
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.6	12.4	18.6

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

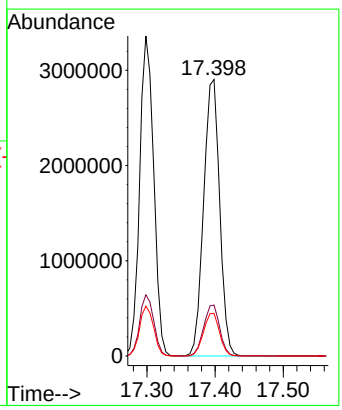


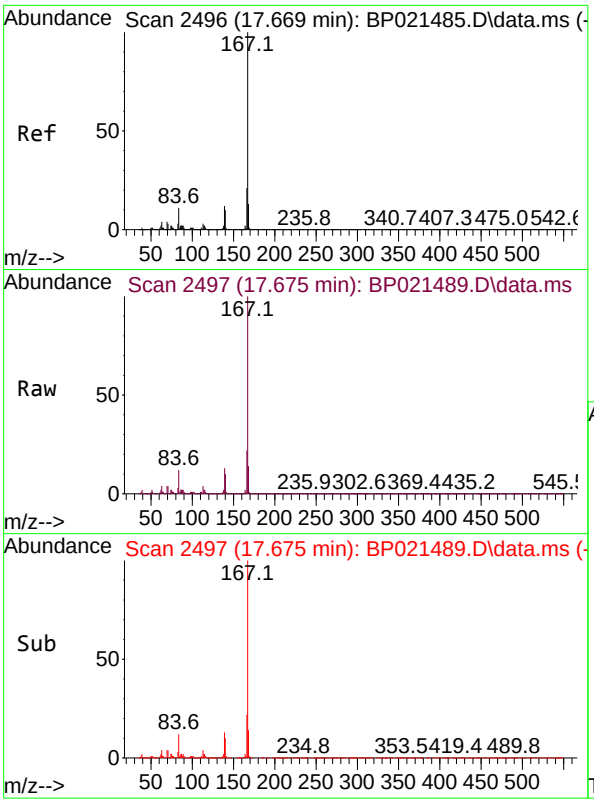


#72
Anthracene
Concen: 39.639 ng
RT: 17.398 min Scan# 2450
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:178 Resp: 4745227

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.9	22.3
179	15.4	12.5	18.7

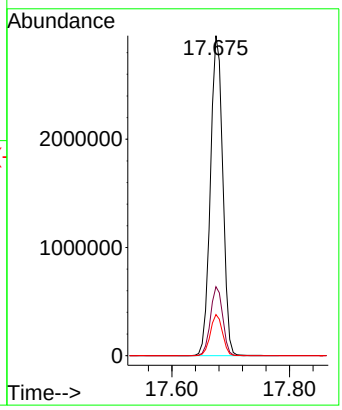




#73
Carbazole
Concen: 37.457 ng
RT: 17.675 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:167 Resp: 432124

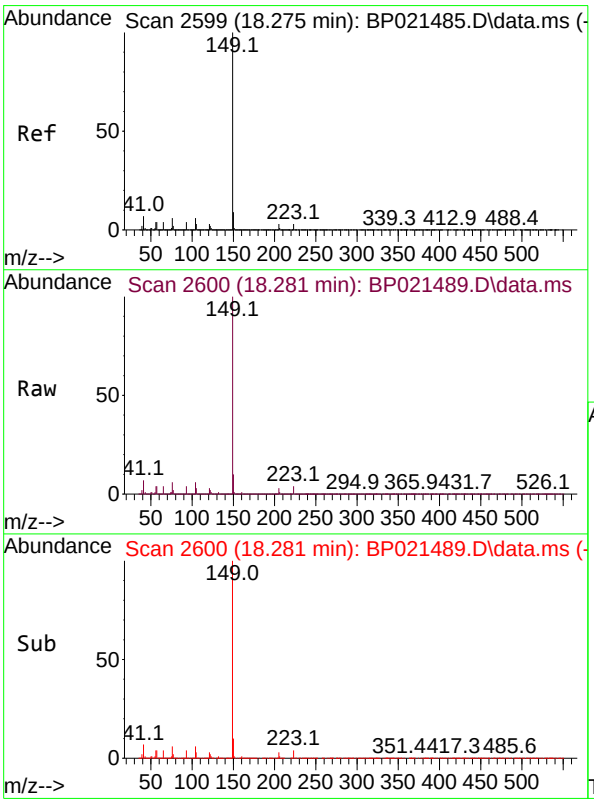
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.4
139	12.8	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

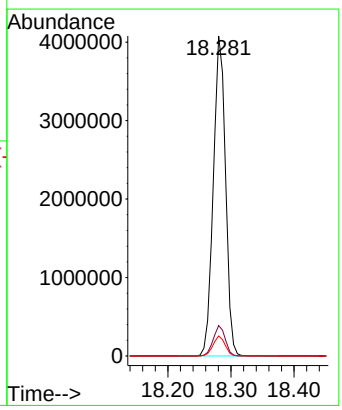
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

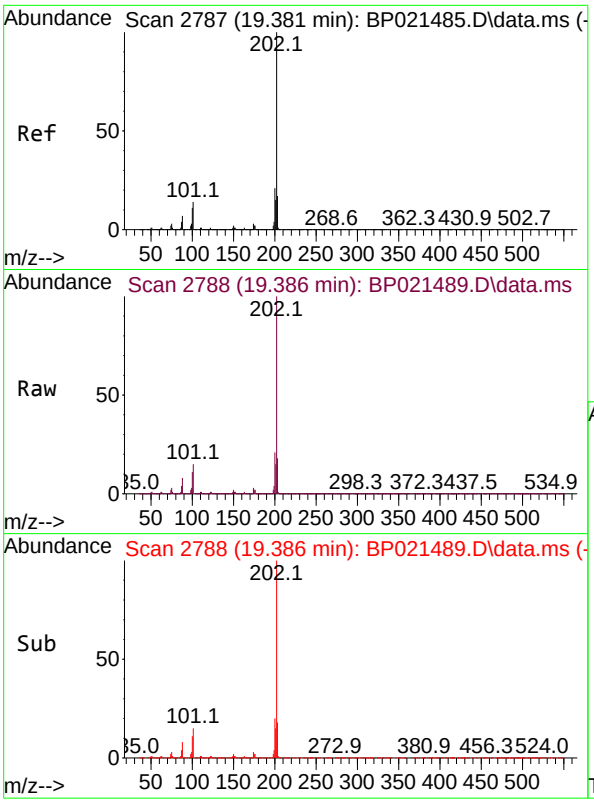


#74
Di-n-butylphthalate
Concen: 38.509 ng
RT: 18.281 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:149 Resp: 5456093

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	6.2	4.9	7.3

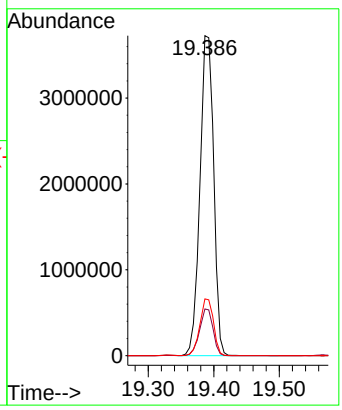




#75
Fluoranthene
Concen: 36.288 ng
RT: 19.386 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:202 Resp: 543487

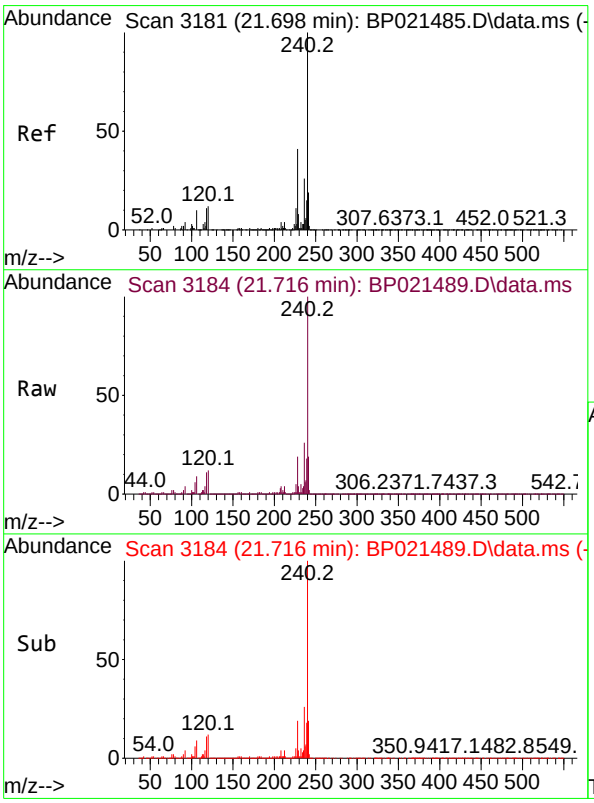
Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	34.0
203	17.7	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

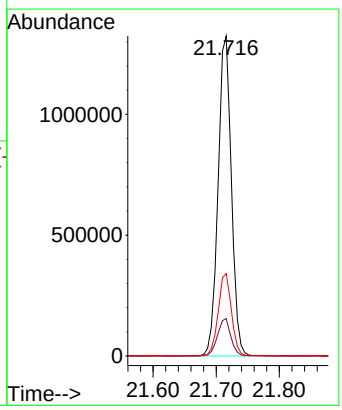
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

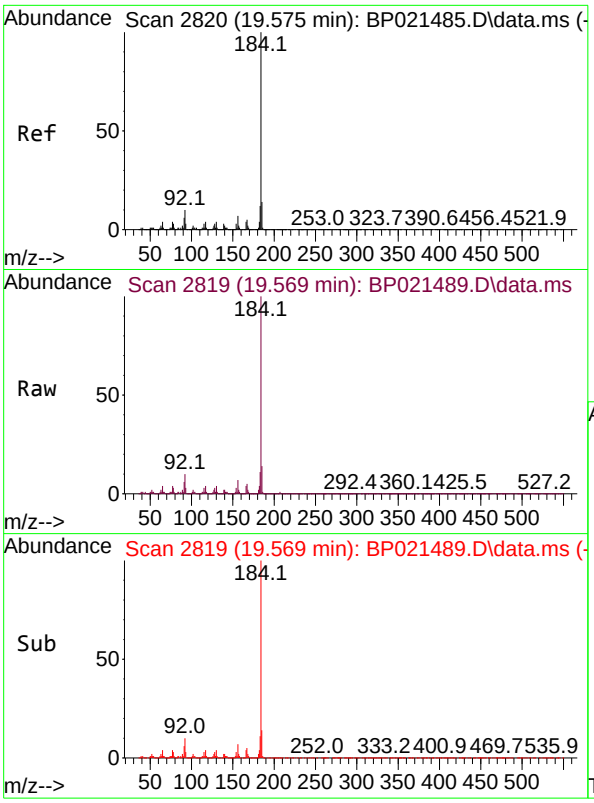


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.716 min Scan# 3184
Delta R.T. 0.018 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:240 Resp: 1932921

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.9	14.9
236	25.8	20.6	30.8

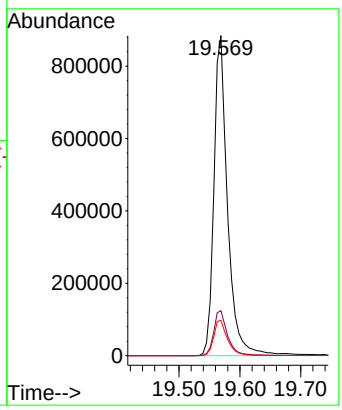




#77
Benzidine
Concen: 30.320 ng
RT: 19.569 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:184 Resp: 136755

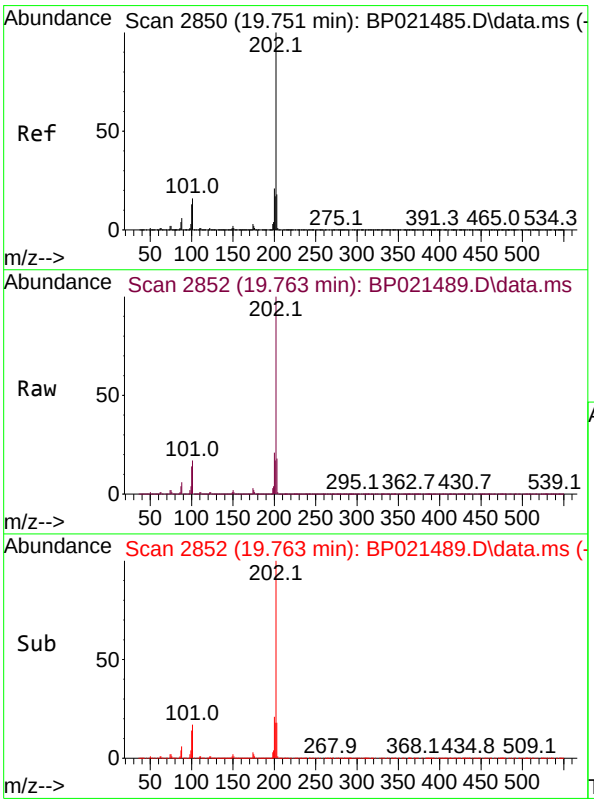
Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.0
183	11.1	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

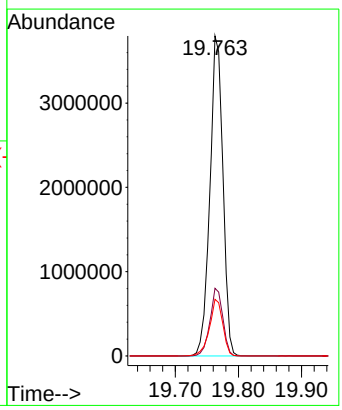
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

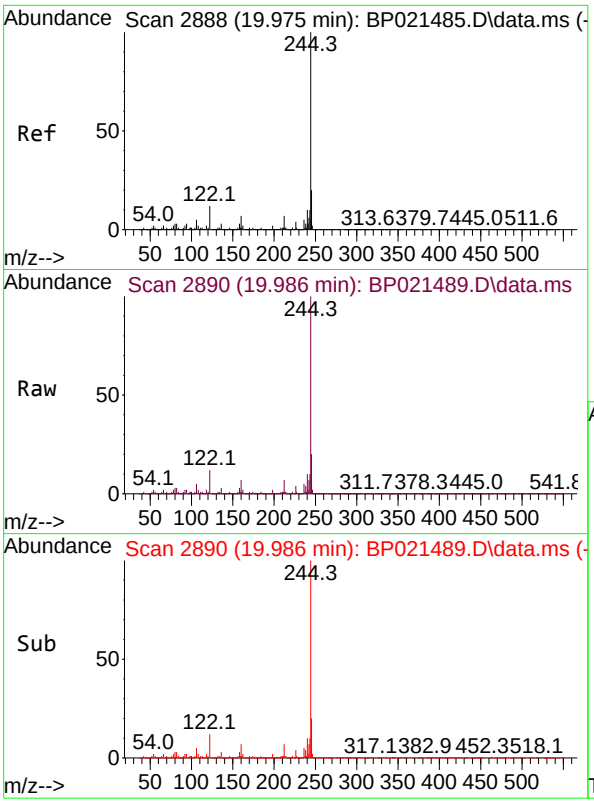


#78
Pyrene
Concen: 43.044 ng
RT: 19.763 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:202 Resp: 5438173

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.7	14.1	21.1

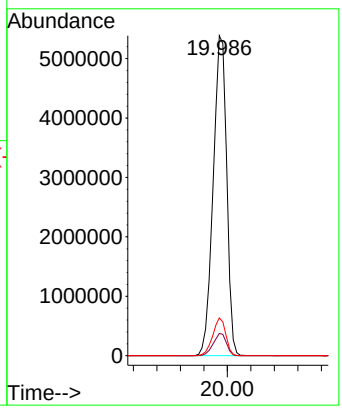




#79
Terphenyl-d14
Concen: 86.216 ng
RT: 19.986 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:244 Resp: 857810

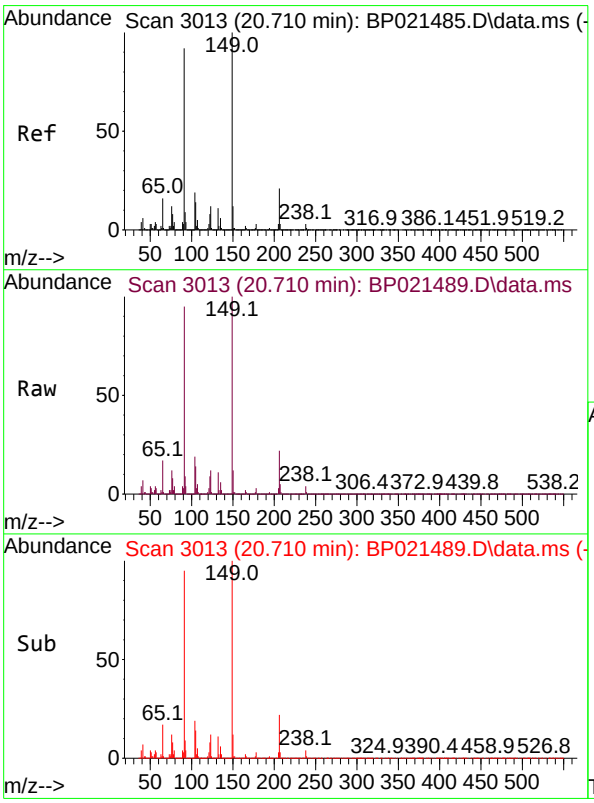
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.8	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

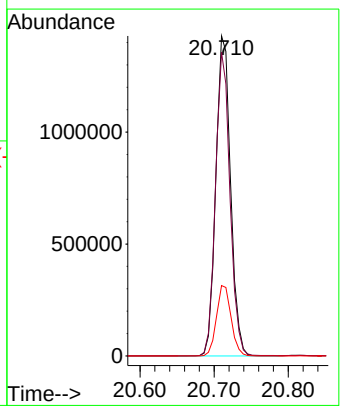
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

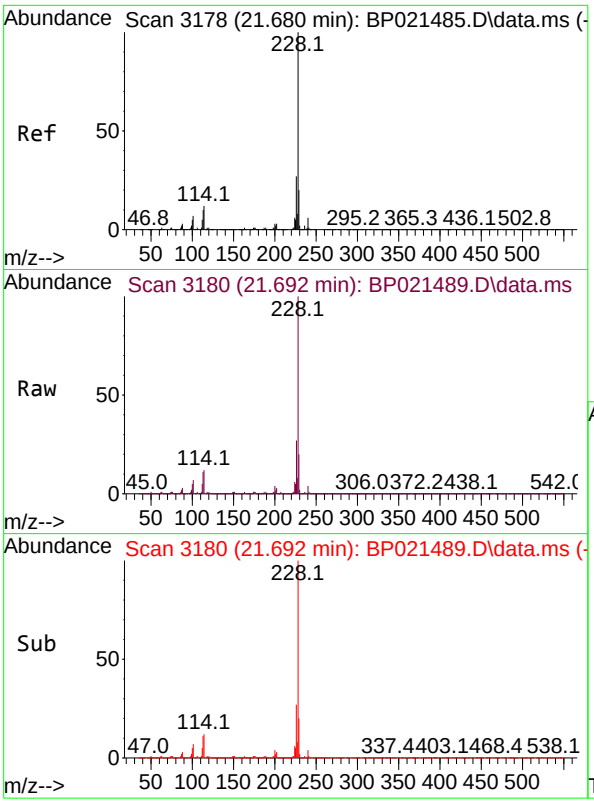


#80
Butylbenzylphthalate
Concen: 41.647 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:149 Resp: 1972270

Ion	Ratio	Lower	Upper
149	100		
91	94.9	73.3	109.9
206	22.0	17.1	25.7

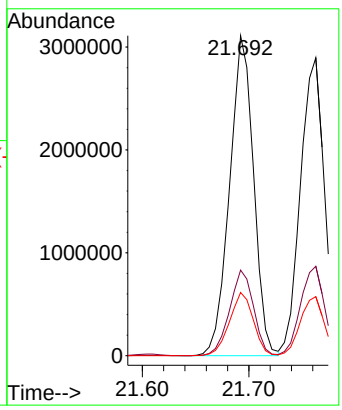




#81
Benzo(a)anthracene
Concen: 40.172 ng
RT: 21.692 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:228 Resp: 487449

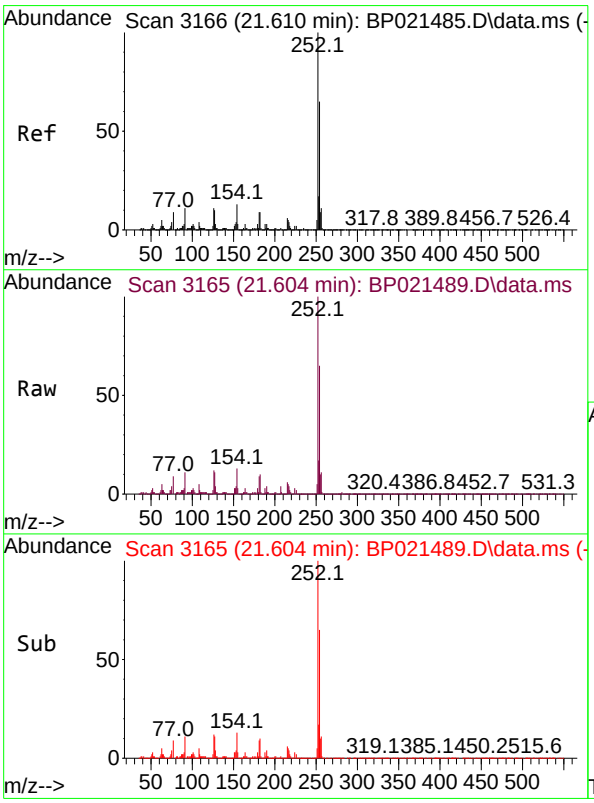
Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.4	32.2
229	19.8	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

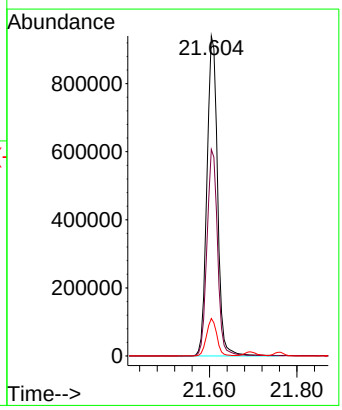
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

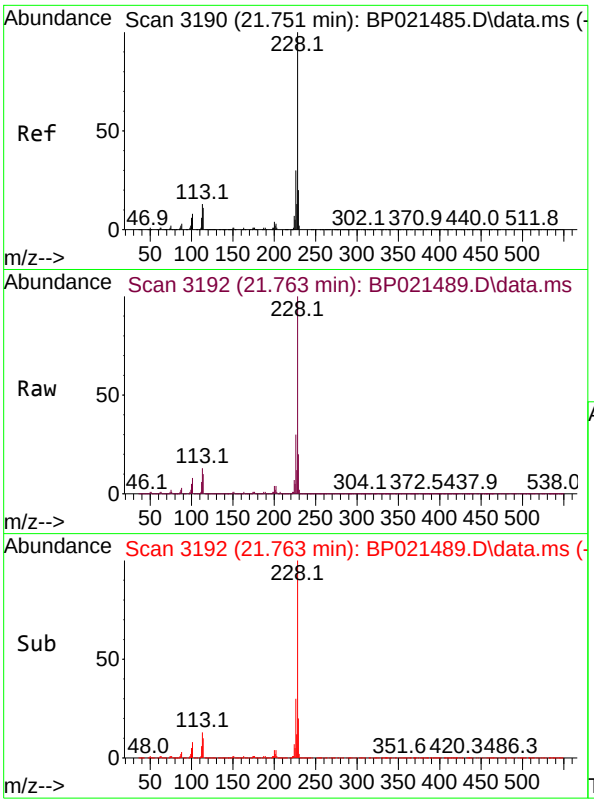


#82
3,3'-Dichlorobenzidine
Concen: 40.936 ng
RT: 21.604 min Scan# 3165
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:252 Resp: 1592617

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	11.7	8.7	13.1

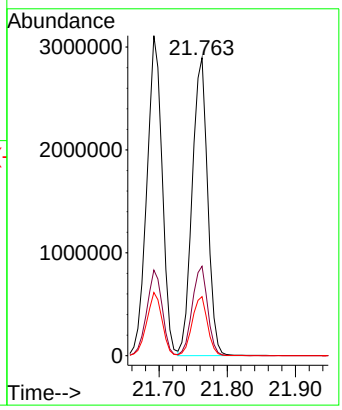




#83
Chrysene
Concen: 39.759 ng
RT: 21.763 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:228 Resp: 455488

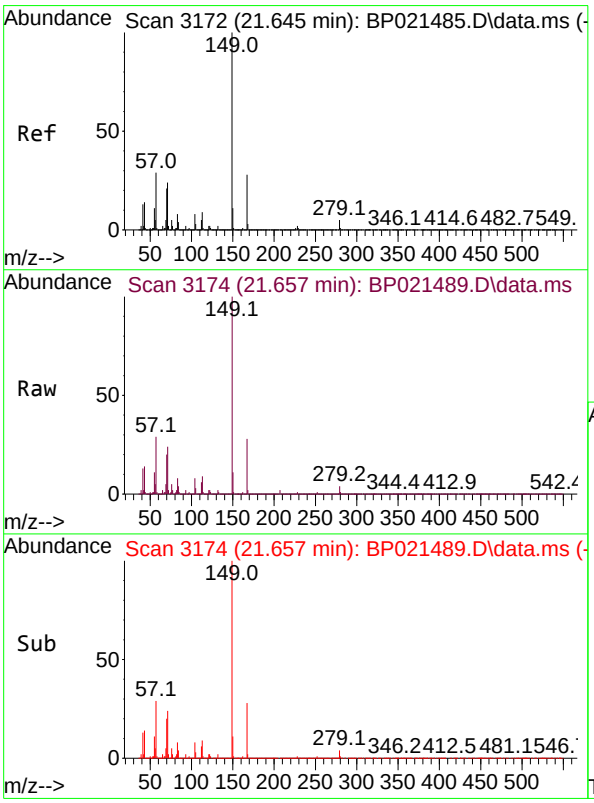
Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.9	35.9
229	19.8	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

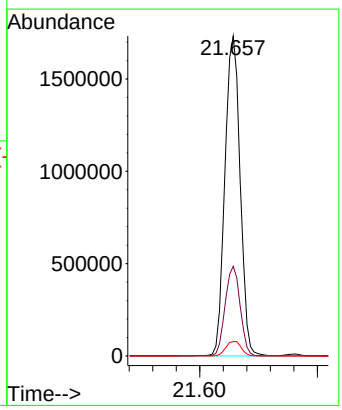
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

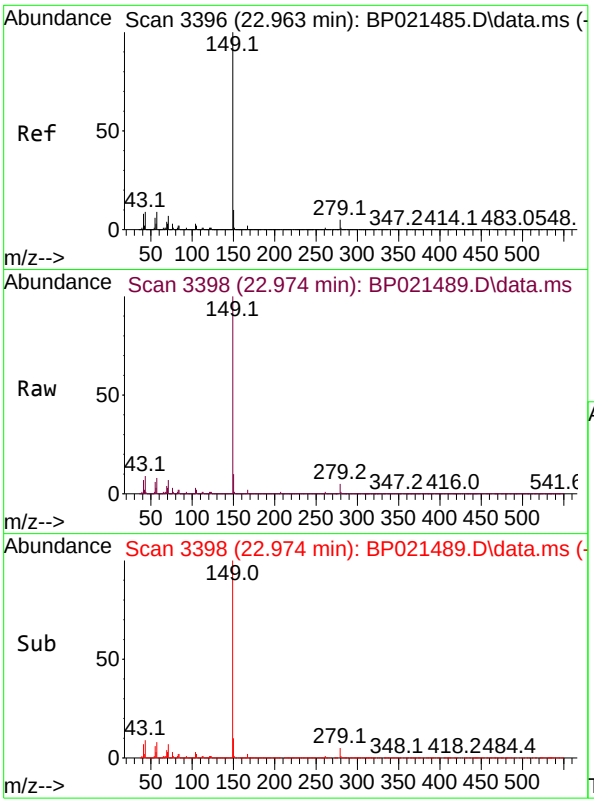


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.381 ng
RT: 21.657 min Scan# 3174
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:149 Resp: 3111178

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.3	33.5
279	4.5	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 39.871 ng
RT: 22.974 min Scan# 3
Delta R.T. 0.011 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

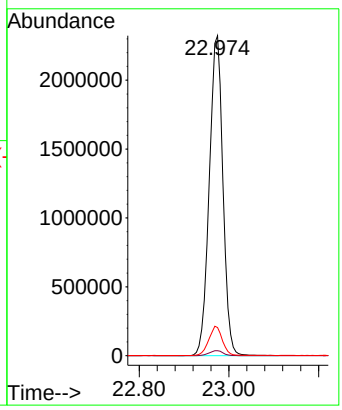
Tgt Ion:149 Resp: 490825

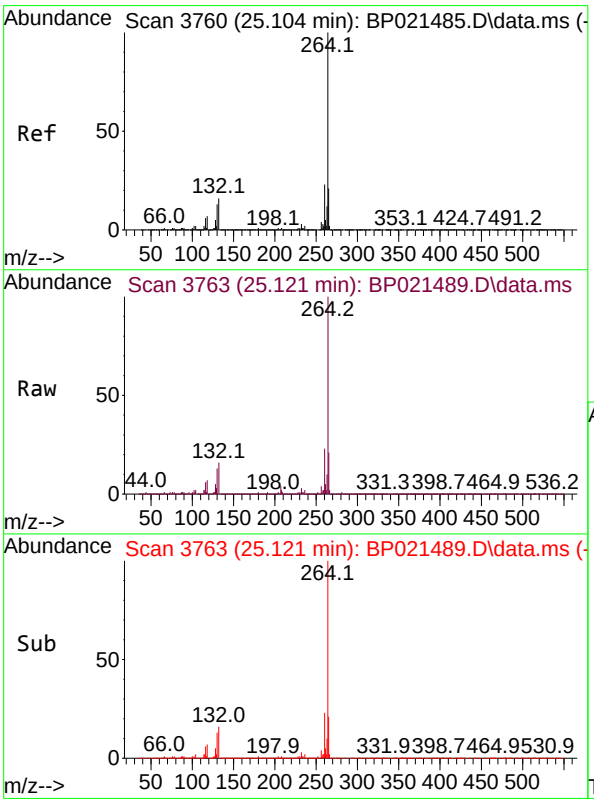
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.1	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

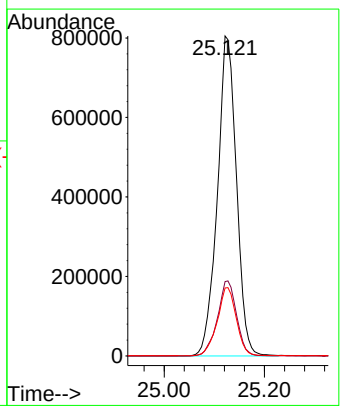


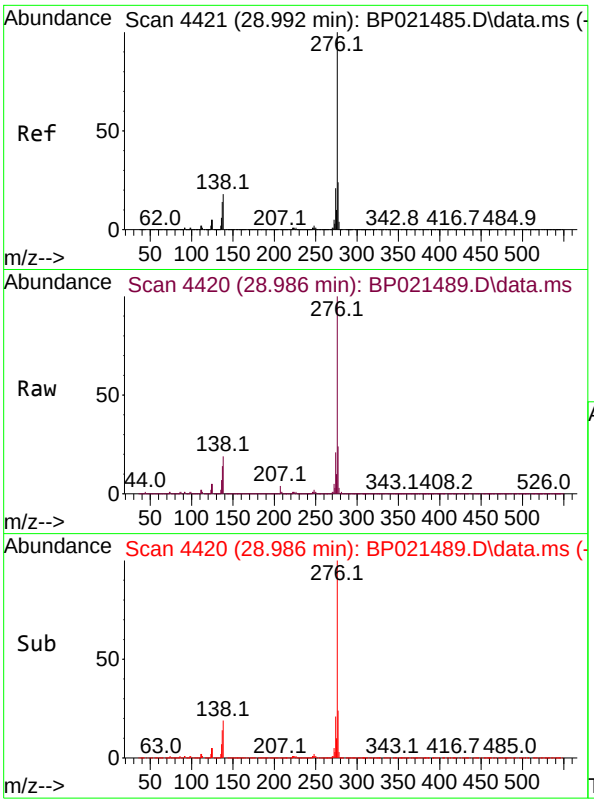


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.121 min Scan# 3763
Delta R.T. 0.018 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:264 Resp: 2127555

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.3	17.1	25.7

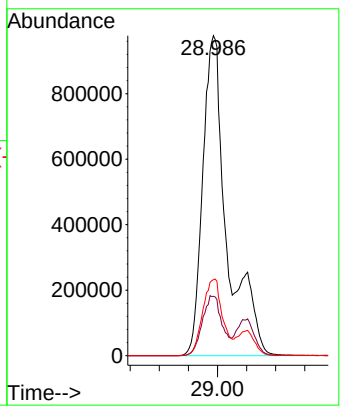




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.105 ng m
RT: 28.986 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:276 Resp: 566884

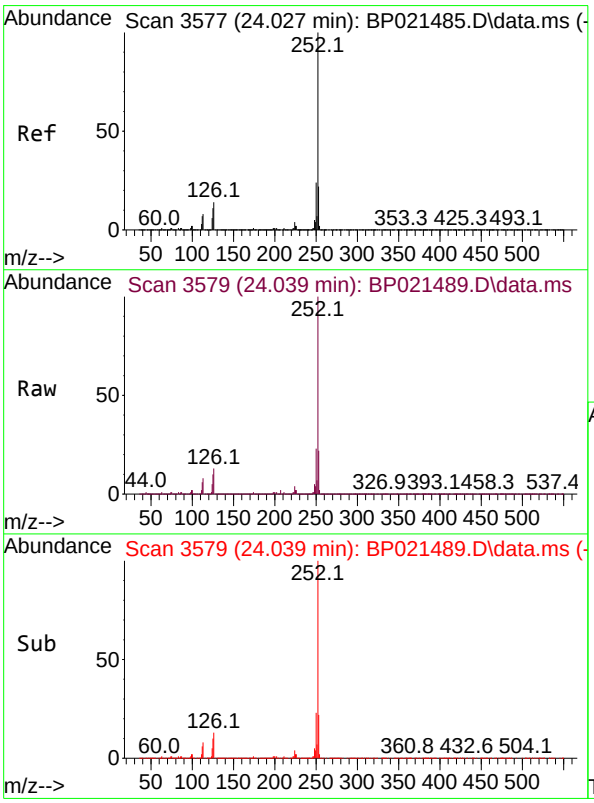
Ion	Ratio	Lower	Upper
276	100		
138	15.6	12.8	19.2
277	19.5	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

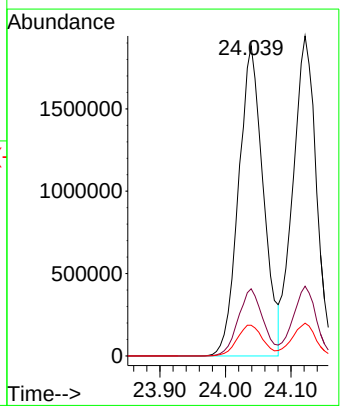
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

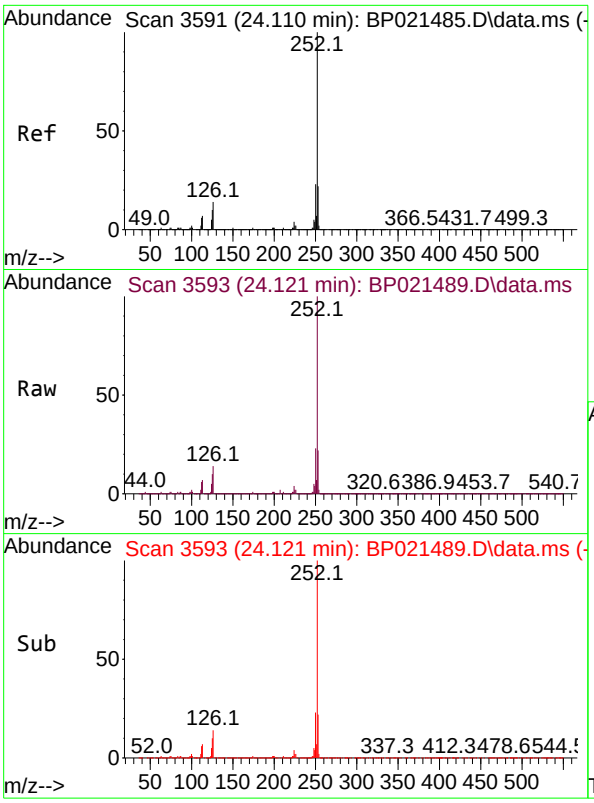


#88
Benzo(b)fluoranthene
Concen: 40.381 ng
RT: 24.039 min Scan# 3579
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:252 Resp: 4934155

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	9.9	8.6	13.0





#89
Benzo(k)fluoranthene
Concen: 39.984 ng
RT: 24.121 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

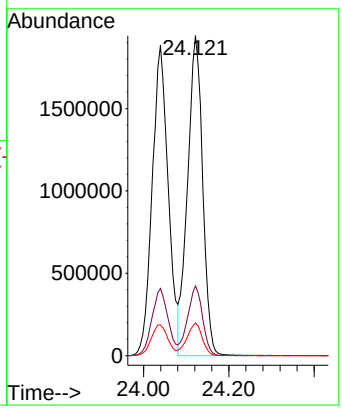
Tgt Ion:252 Resp: 476594

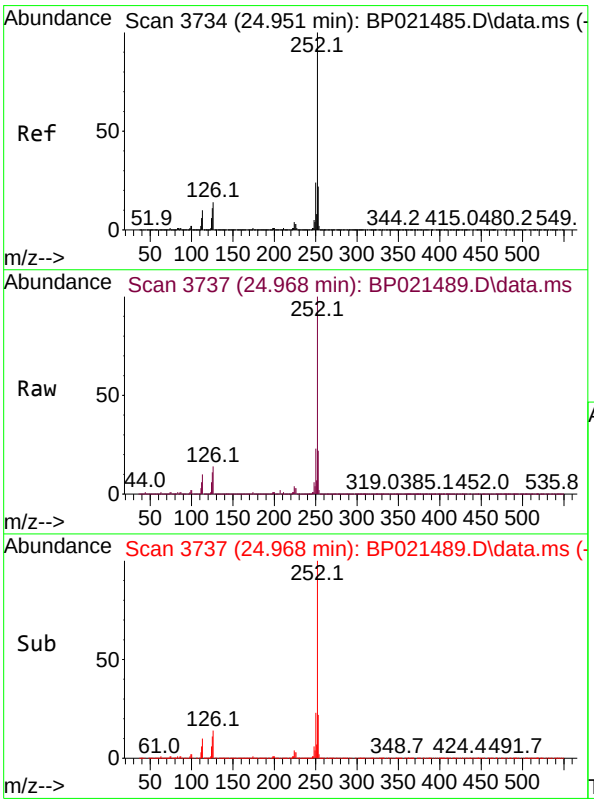
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.2	7.8	11.8

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

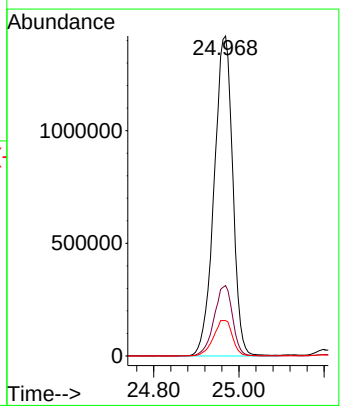


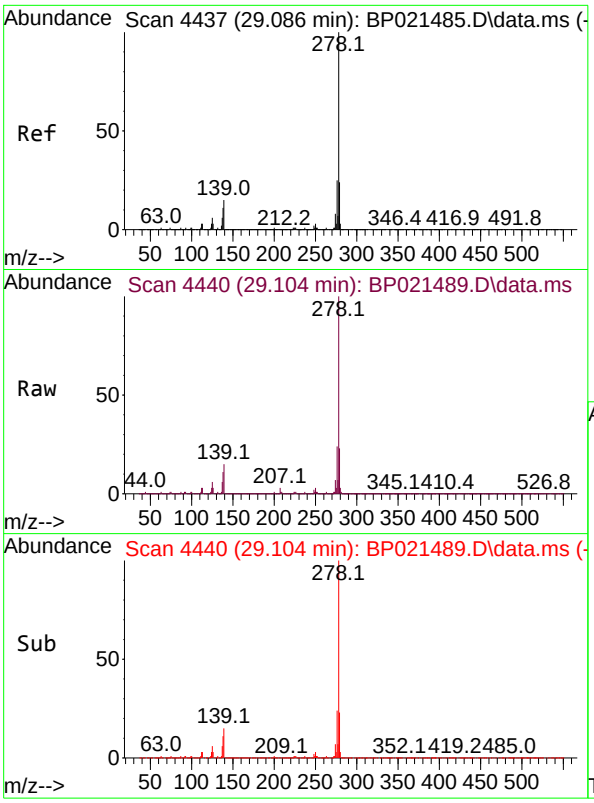


#90
Benzo(a)pyrene
Concen: 40.657 ng
RT: 24.968 min Scan# 3737
Delta R.T. 0.018 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:252 Resp: 4311183

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	11.1	8.7	13.1

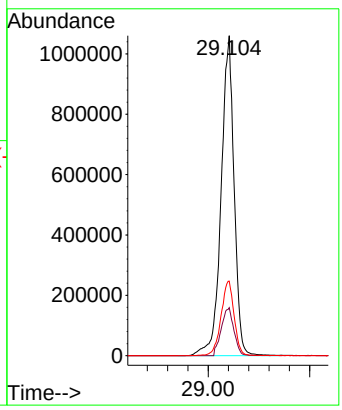




#91
Dibenzo(a,h)anthracene
Concen: 41.172 ng
RT: 29.104 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:278 Resp: 471781

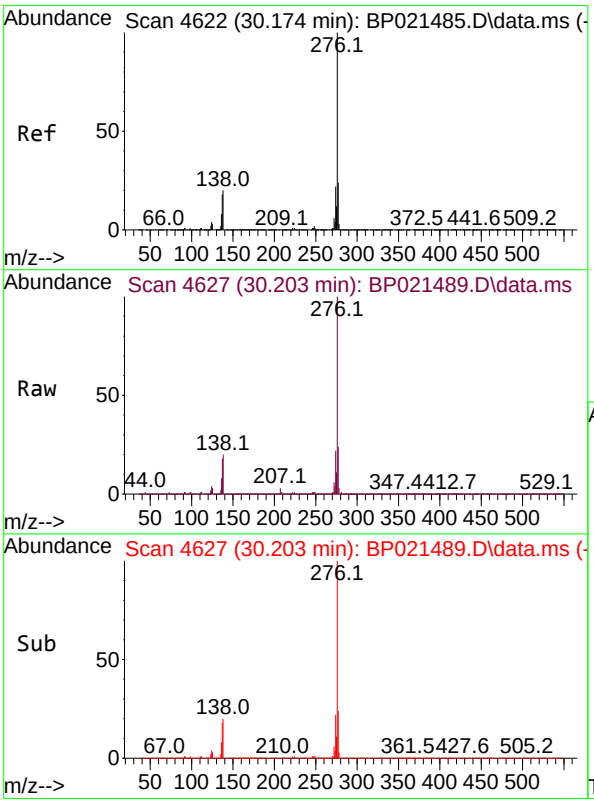
Ion	Ratio	Lower	Upper
278	100		
139	15.0	12.2	18.4
279	23.3	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

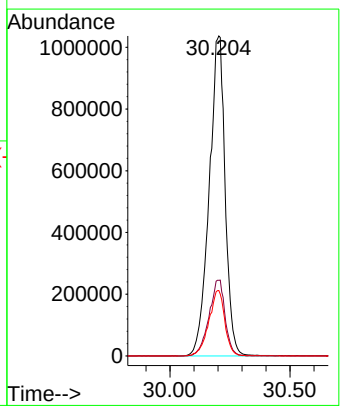
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 41.532 ng
RT: 30.203 min Scan# 4627
Delta R.T. 0.029 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:276 Resp: 4769954

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	20.4	16.0	24.0



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 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	132	0.00
2		1,4-Dioxane	0.639	0.606	5.2	125	0.00
3		Pyridine	1.783	1.803	-1.1	133	0.00
4		n-Nitrosodimethylamine	0.536	0.539	-0.6	134	0.00
5	S	2-Fluorophenol	1.347	1.361	-1.0	134	0.00
6		Aniline	1.964	2.043	-4.0	137	0.00
7	S	Phenol-d6	1.965	2.109	-7.3	141	0.00
8		2-Chlorophenol	1.245	1.316	-5.7	140	0.00
9		Benzaldehyde	1.258	1.272	-1.1	141	0.00
10	C	Phenol	2.035	2.167	-6.5	140	0.00
11		bis(2-Chloroethyl)ether	1.722	1.788	-3.8	139	0.00
12		1,3-Dichlorobenzene	1.479	1.466	0.9	134	0.00
13	C	1,4-Dichlorobenzene	1.493	1.477	1.1	133	0.00
14		1,2-Dichlorobenzene	1.439	1.434	0.3	135	0.00
15		Benzyl Alcohol	1.410	1.567	-11.1	147	0.00
16		2,2'-oxybis(1-Chloropropane	1.585	1.660	-4.7	142	0.00
17		2-Methylphenol	1.286	1.405	-9.3	144	0.00
18		Hexachloroethane	0.599	0.610	-1.8	136	0.00
19	P	n-Nitroso-di-n-propylamine	1.357	1.469	-8.3	145	0.00
20		3+4-Methylphenols	1.734	1.945	-12.2	147	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	145	0.00
22		Acetophenone	0.614	0.613	0.2	145	0.00
23	S	Nitrobenzene-d5	0.387	0.433	-11.9	153#	0.00
24		Nitrobenzene	0.421	0.455	-8.1	149	0.00
25		Isophorone	0.915	0.931	-1.7	148	0.00
26	C	2-Nitrophenol	0.086	0.125	-45.3#	193#	0.00
27		2,4-Dimethylphenol	0.226	0.233	-3.1	150	0.00
28		bis(2-Chloroethoxy)methane	0.559	0.565	-1.1	149	0.00
29	C	2,4-Dichlorophenol	0.267	0.290	-8.6	154#	0.00
30		1,2,4-Trichlorobenzene	0.342	0.335	2.0	143	0.00
31		Naphthalene	1.045	1.035	1.0	144	0.00
32		Benzoic acid	0.137	0.187	-36.5#	210#	0.02
33		4-Chloroaniline	0.392	0.399	-1.8	146	0.00
34	C	Hexachlorobutadiene	0.215	0.211	1.9	142	0.00
35		Caprolactam	0.111	0.116	-4.5	148	0.00
36	C	4-Chloro-3-methylphenol	0.370	0.398	-7.6	151#	0.00
37		2-Methylnaphthalene	0.713	0.720	-1.0	148	0.00
38		1-Methylnaphthalene	0.703	0.706	-0.4	147	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	150	0.00
40		1,2,4,5-Tetrachlorobenzene	0.586	0.590	-0.7	149	0.01
41	P	Hexachlorocyclopentadiene	0.186	0.201	-8.1	157#	0.00
42	S	2,4,6-Tribromophenol	0.223	0.232	-4.0	147	0.00
43	C	2,4,6-Trichlorophenol	0.326	0.360	-10.4	158#	0.00
44		2,4,5-Trichlorophenol	0.362	0.401	-10.8	157#	0.00
45	S	2-Fluorobiphenyl	1.310	1.288	1.7	146	0.00
46		1,1'-Biphenyl	1.415	1.399	1.1	147	0.00
47		2-Chloronaphthalene	1.102	1.093	0.8	147	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 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)
48		2-Nitroaniline	0.256	0.328	-28.1#	172#	0.00
49		Acenaphthylene	1.619	1.600	1.2	146	0.01
50		Dimethylphthalate	1.339	1.310	2.2	145	0.00
51		2,6-Dinitrotoluene	0.232	0.276	-19.0	162#	0.00
52	C	Acenaphthene	1.063	1.046	1.6	146	0.00
53		3-Nitroaniline	0.228	0.264	-15.8	156#	0.00
54	P	2,4-Dinitrophenol	0.069	0.081	-17.4	184#	0.00
55		Dibenzofuran	1.635	1.575	3.7	143	0.00
56	P	4-Nitrophenol	0.195	0.205	-5.1	152#	-0.01
57		2,4-Dinitrotoluene	0.284	0.344	-21.1	161#	0.00
58		Fluorene	1.343	1.278	4.8	141	0.00
59		2,3,4,6-Tetrachlorophenol	0.307	0.325	-5.9	148	0.00
60		Diethylphthalate	1.374	1.297	5.6	139	-0.01
61		4-Chlorophenyl-phenylether	0.694	0.673	3.0	145	0.00
62		4-Nitroaniline	0.241	0.257	-6.6	141	0.00
63		Azobenzene	1.689	1.598	5.4	140	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	133	0.00
65		4,6-Dinitro-2-methylphenol	0.054	0.068	-25.9#	172#	0.00
66	c	n-Nitrosodiphenylamine	0.536	0.564	-5.2	140	0.00
67		4-Bromophenyl-phenylether	0.212	0.224	-5.7	144	0.00
68		Hexachlorobenzene	0.250	0.257	-2.8	136	0.00
69		Atrazine	0.184	0.179	2.7	125	0.00
70	C	Pentachlorophenol	0.137	0.152	-10.9	148	0.00
71		Phenanthrene	0.962	0.951	1.1	131	0.00
72		Anthracene	0.943	0.935	0.8	131	0.00
73		Carbazole	0.909	0.851	6.4	122	0.00
74		Di-n-butylphthalate	1.116	1.075	3.7	125	0.00
75	C	Fluoranthene	1.180	1.071	9.2	119	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	106	0.02
77		Benzidine	0.420	0.354	15.7	79	0.00
78		Pyrene	1.307	1.407	-7.7	116	0.01
79	S	Terphenyl-d14	1.029	1.109	-7.8	117	0.01
80		Butylbenzylphthalate	0.437	0.510	-16.7	115	0.00
81		Benzo(a)anthracene	1.256	1.261	-0.4	106	0.01
82		3,3'-Dichlorobenzidine	0.403	0.412	-2.2	102	0.00
83		Chrysene	1.185	1.178	0.6	105	0.01
84		Bis(2-ethylhexyl)phthalate	0.742	0.805	-8.5	109	0.01
85	c	Di-n-octyl phthalate	1.199	1.270	-5.9	108	0.01
86	I	Perylene-d12	1.000	1.000	0.0	102	0.02
87		Indeno(1,2,3-cd)pyrene	1.296	1.332	-2.8	102	0.00
88		Benzo(b)fluoranthene	1.149	1.160	-1.0	102	0.01
89		Benzo(k)fluoranthene	1.121	1.120	0.1	100	0.01
90	C	Benzo(a)pyrene	0.997	1.013	-1.6	102	0.02
91		Dibenzo(a,h)anthracene	1.077	1.109	-3.0	103	0.02
92		Benzo(g,h,i)perylene	1.080	1.121	-3.8	104	0.03

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 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)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 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	20.000	20.000	0.0	132	0.00
2		1,4-Dioxane	40.000	37.948	5.1	125	0.00
3		Pyridine	40.000	40.445	-1.1	133	0.00
4		n-Nitrosodimethylamine	40.000	40.233	-0.6	134	0.00
5	S	2-Fluorophenol	80.000	80.810	-1.0	134	0.00
6		Aniline	40.000	41.596	-4.0	137	0.00
7	S	Phenol-d6	80.000	85.856	-7.3	141	0.00
8		2-Chlorophenol	40.000	42.300	-5.7	140	0.00
9		Benzaldehyde	40.000	40.434	-1.1	141	0.00
10	C	Phenol	40.000	42.607	-6.5	140	0.00
11		bis(2-Chloroethyl)ether	40.000	41.543	-3.9	139	0.00
12		1,3-Dichlorobenzene	40.000	39.674	0.8	134	0.00
13	C	1,4-Dichlorobenzene	40.000	39.564	1.1	133	0.00
14		1,2-Dichlorobenzene	40.000	39.873	0.3	135	0.00
15		Benzyl Alcohol	40.000	44.472	-11.2	147	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	41.875	-4.7	142	0.00
17		2-Methylphenol	40.000	43.687	-9.2	144	0.00
18		Hexachloroethane	40.000	40.755	-1.9	136	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	43.304	-8.3	145	0.00
20		3+4-Methylphenols	40.000	44.850	-12.1	147	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	145	0.00
22		Acetophenone	40.000	39.936	0.2	145	0.00
23	S	Nitrobenzene-d5	80.000	89.361	-11.7	153	0.00
24		Nitrobenzene	40.000	43.244	-8.1	149	0.00
25		Isophorone	40.000	40.700	-1.8	148	0.00
26	C	2-Nitrophenol	40.000	47.780	-19.5	193	0.00
27		2,4-Dimethylphenol	40.000	41.179	-2.9	150	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.438	-1.1	149	0.00
29	C	2,4-Dichlorophenol	40.000	43.442	-8.6	154	0.00
30		1,2,4-Trichlorobenzene	40.000	39.146	2.1	143	0.00
31		Naphthalene	40.000	39.629	0.9	144	0.00
32		Benzoic acid	40.000	49.839	-24.6	210	0.02
33		4-Chloroaniline	40.000	40.617	-1.5	146	0.00
34	C	Hexachlorobutadiene	40.000	39.102	2.2	142	0.00
35		Caprolactam	40.000	41.786	-4.5	148	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.987	-7.5	151	0.00
37		2-Methylnaphthalene	40.000	40.412	-1.0	148	0.00
38		1-Methylnaphthalene	40.000	40.173	-0.4	147	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	150	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.261	-0.7	149	0.01
41	P	Hexachlorocyclopentadiene	40.000	43.183	-8.0	157	0.00
42	S	2,4,6-Tribromophenol	80.000	83.477	-4.3	147	0.00
43	C	2,4,6-Trichlorophenol	40.000	44.249	-10.6	158	0.00
44		2,4,5-Trichlorophenol	40.000	44.396	-11.0	157	0.00
45	S	2-Fluorobiphenyl	80.000	78.649	1.7	146	0.00
46		1,1'-Biphenyl	40.000	39.542	1.1	147	0.00
47		2-Chloronaphthalene	40.000	39.695	0.8	147	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 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)
48		2-Nitroaniline	40.000	43.044	-7.6	172	0.00
49		Acenaphthylene	40.000	39.531	1.2	146	0.01
50		Dimethylphthalate	40.000	39.127	2.2	145	0.00
51		2,6-Dinitrotoluene	40.000	41.424	-3.6	162	0.00
52	C	Acenaphthene	40.000	39.366	1.6	146	0.00
53		3-Nitroaniline	40.000	40.483	-1.2	156	0.00
54	P	2,4-Dinitrophenol	40.000	45.065	-12.7	184	0.00
55		Dibenzofuran	40.000	38.543	3.6	143	0.00
56	P	4-Nitrophenol	40.000	39.582	1.0	152	-0.01
57		2,4-Dinitrotoluene	40.000	40.864	-2.2	161	0.00
58		Fluorene	40.000	38.055	4.9	141	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.310	-5.8	148	0.00
60		Diethylphthalate	40.000	37.752	5.6	139	-0.01
61		4-Chlorophenyl-phenylether	40.000	38.777	3.1	145	0.00
62		4-Nitroaniline	40.000	38.254	4.4	141	0.00
63		Azobenzene	40.000	37.833	5.4	140	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	133	0.00
65		4,6-Dinitro-2-methylphenol	40.000	46.281	-15.7	172	0.00
66	c	n-Nitrosodiphenylamine	40.000	42.093	-5.2	140	0.00
67		4-Bromophenyl-phenylether	40.000	42.289	-5.7	144	0.00
68		Hexachlorobenzene	40.000	41.161	-2.9	136	0.00
69		Atrazine	40.000	38.851	2.9	125	0.00
70	C	Pentachlorophenol	40.000	44.446	-11.1	148	0.00
71		Phenanthrene	40.000	39.541	1.1	131	0.00
72		Anthracene	40.000	39.639	0.9	131	0.00
73		Carbazole	40.000	37.457	6.4	122	0.00
74		Di-n-butylphthalate	40.000	38.509	3.7	125	0.00
75	C	Fluoranthene	40.000	36.288	9.3	119	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	106	0.02
77		Benzidine	40.000	30.320	24.2	79	0.00
78		Pyrene	40.000	43.044	-7.6	116	0.01
79	S	Terphenyl-d14	80.000	86.216	-7.8	117	0.01
80		Butylbenzylphthalate	40.000	41.647	-4.1	115	0.00
81		Benzo(a)anthracene	40.000	40.172	-0.4	106	0.01
82		3,3'-Dichlorobenzidine	40.000	40.936	-2.3	102	0.00
83		Chrysene	40.000	39.759	0.6	105	0.01
84		Bis(2-ethylhexyl)phthalate	40.000	43.381	-8.5	109	0.01
85	c	Di-n-octyl phthalate	40.000	39.871	0.3	108	0.01
86	I	Perylene-d12	20.000	20.000	0.0	102	0.02
87		Indeno(1,2,3-cd)pyrene	40.000	41.105	-2.8	102	0.00
88		Benzo(b)fluoranthene	40.000	40.381	-1.0	102	0.01
89		Benzo(k)fluoranthene	40.000	39.984	0.0	100	0.01
90	C	Benzo(a)pyrene	40.000	40.657	-1.6	102	0.02
91		Dibenzo(a,h)anthracene	40.000	41.172	-2.9	103	0.02
92		Benzo(g,h,i)perylene	40.000	41.532	-3.8	104	0.03

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 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)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data: **BF139113.D**

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: JACO05

Lab Code: CHEM Case No.: P3671 SAS No.: P3671 SDG No.: P3671

Instrument ID: BNA_F Calibration Date/Time: 08/22/2024 10:25

Lab File ID: BF139113.D Init. Calib. Date(s): 08/20/2024 08/20/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:10 20:41

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.417	1.467		3.5	
2-Fluorophenol	1.300	1.302		0.2	
Benzaldehyde	0.985	1.023		3.9	
Phenol-d6	1.680	1.722		2.5	
2-Methylphenol	1.070	1.104		3.2	
3+4-Methylphenols	1.386	1.446		4.3	
Nitrobenzene-d5	0.343	0.430		25.4	
Hexachloroethane	0.527	0.545		3.4	
Nitrobenzene	0.382	0.456		19.4	
Naphthalene	1.014	1.047		3.3	
Hexachlorobutadiene	0.220	0.225		2.3	20.0
2-Methylnaphthalene	0.650	0.690		6.2	
2,4,6-Trichlorophenol	0.370	0.398		7.6	20.0
2-Fluorobiphenyl	1.261	1.281		1.6	
2,4,5-Trichlorophenol	0.379	0.405		6.9	
Acenaphthylene	1.595	1.661		4.1	
Acenaphthene	1.053	1.120		6.4	20.0
Dibenzofuran	1.530	1.624		6.1	
2,4-Dinitrotoluene	0.250	0.401		60.4	
Fluorene	1.223	1.284		5.0	
2,4,6-Tribromophenol	0.181	0.215		18.8	
Hexachlorobenzene	0.227	0.240		5.7	
Pentachlorophenol	0.145	0.172		18.6	20.0
Phenanthrene	1.017	1.033		1.6	
Anthracene	0.994	1.020		2.6	
Carbazole	0.928	0.936		0.9	
Di-n-butylphthalate	1.076	1.151		7.0	
Fluoranthene	1.085	1.085		0.0	20.0
Pyrene	1.669	1.842		10.4	
Terphenyl-d14	1.205	1.390		15.4	
Benzo(a)anthracene	1.315	1.390		5.7	
Chrysene	1.192	1.225		2.8	
Bis(2-ethylhexyl)phthalate	0.765	0.901		17.8	
Benzo(b)fluoranthene	1.304	1.315		0.8	
Benzo(k)fluoranthene	1.086	1.167		7.5	
Benzo(a)pyrene	1.030	1.086		5.4	20.0
Indeno(1,2,3-cd)pyrene	1.171	1.319		12.6	
Dibenzo(a,h)anthracene	0.961	1.099		14.4	
Benzo(g,h,i)perylene	0.969	1.083		11.8	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3671 SAS No.: P3671 SDG No.: P3671

Instrument ID: BNA_F Calibration Date/Time: 08/22/2024 10:25

Lab File ID: BF139113.D Init. Calib. Date(s): 08/20/2024 08/20/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:10 20:41

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,4-Dioxane	0.558	0.567		1.6	20.0
1-Methylnaphthalene	0.627	0.657		4.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139113.D
Acq On : 22 Aug 2024 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 22 11:00:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	92822	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	343989	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	206423	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	374434	20.000	ng	0.00
76) Chrysene-d12	14.057	240	220430	20.000	ng	0.00
86) Perylene-d12	15.533	264	197324	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	483418	80.126	ng	0.00
7) Phenol-d6	6.522	99	639495	82.032	ng	0.00
23) Nitrobenzene-d5	7.463	82	591949	100.273	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	177903	95.201	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1058054	81.324	ng	0.00
79) Terphenyl-d14	13.004	244	1225485	92.249	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	105184	40.647	ng	99
3) Pyridine	3.440	79	272344	41.416	ng	100
4) n-Nitrosodimethylamine	3.398	42	154929	39.002	ng	99
6) Aniline	6.563	93	300421	42.688	ng	99
8) 2-Chlorophenol	6.681	128	237791	40.978	ng	99
9) Benzaldehyde	6.451	77	189909	41.537	ng	100
10) Phenol	6.539	94	339518	41.857	ng	100
11) bis(2-Chloroethyl)ether	6.634	93	244710	37.514	ng	99
12) 1,3-Dichlorobenzene	6.839	146	283295	40.604	ng	100
13) 1,4-Dichlorobenzene	6.916	146	284066	40.721	ng	99
14) 1,2-Dichlorobenzene	7.069	146	266108	41.739	ng	99
15) Benzyl Alcohol	7.039	79	258007	41.875	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.175	45	354062	38.532	ng	99
17) 2-Methylphenol	7.145	107	204934	41.280	ng	99
18) Hexachloroethane	7.410	117	101144	41.348	ng	98
19) n-Nitroso-di-n-propyla...	7.310	70	203939	39.836	ng	99
20) 3+4-Methylphenols	7.298	107	268466	41.738	ng	99
22) Acetophenone	7.310	105	363970	41.440	ng	98
24) Nitrobenzene	7.481	77	313650	47.800	ng	100
25) Isophorone	7.716	82	529368	42.189	ng	100
26) 2-Nitrophenol	7.798	139	113312	49.343	ng	96
27) 2,4-Dimethylphenol	7.828	122	166026	41.727	ng	100
28) bis(2-Chloroethoxy)met...	7.928	93	298794	40.755	ng	100
29) 2,4-Dichlorophenol	8.033	162	211374	42.642	ng	100
30) 1,2,4-Trichlorobenzene	8.122	180	238360	41.066	ng	99
31) Naphthalene	8.204	128	720491	41.332	ng	100
32) Benzoic acid	7.933	122	165884	49.705	ng	96
33) 4-Chloroaniline	8.251	127	255271	42.759	ng	99
34) Hexachlorobutadiene	8.322	225	154987	40.877	ng	99
35) Caprolactam	8.622	113	69828	44.432	ng	98
36) 4-Chloro-3-methylphenol	8.722	107	238684	43.488	ng	98
37) 2-Methylnaphthalene	8.892	142	474576	42.445	ng	98
38) 1-Methylnaphthalene	8.992	142	452216	41.906	ng	100
40) 1,2,4,5-Tetrachloroben...	9.057	216	239663	42.331	ng	99
41) Hexachlorocyclopentadiene	9.045	237	97792	45.024	ng	100
43) 2,4,6-Trichlorophenol	9.169	196	164164	43.045	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139113.D
Acq On : 22 Aug 2024 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 22 11:00:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

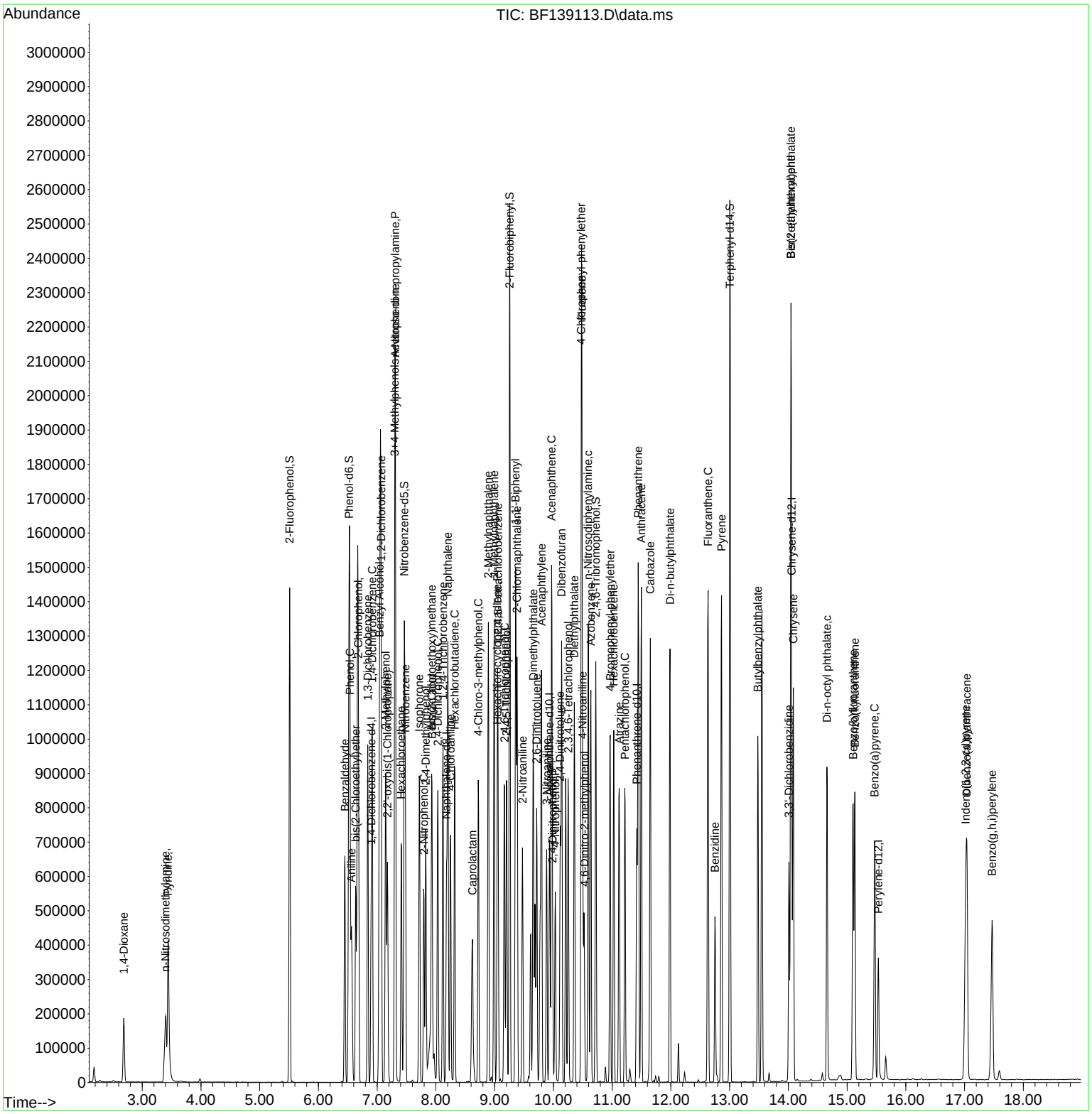
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	167343	42.748	ng		99
46) 1,1'-Biphenyl	9.357	154	592499	41.901	ng		99
47) 2-Chloronaphthalene	9.380	162	464740	40.449	ng		99
48) 2-Nitroaniline	9.475	65	157692	47.900	ng		97
49) Acenaphthylene	9.798	152	685859	41.671	ng		100
50) Dimethylphthalate	9.657	163	556884	43.698	ng		100
51) 2,6-Dinitrotoluene	9.716	165	124713	48.715	ng		98
52) Acenaphthene	9.969	154	462561	42.546	ng		100
53) 3-Nitroaniline	9.886	138	118521	46.014	ng	#	98
54) 2,4-Dinitrophenol	9.986	184	52107	56.704	ng		93
55) Dibenzofuran	10.139	168	670273	42.445	ng		99
56) 4-Nitrophenol	10.033	139	97778	50.759	ng		99
57) 2,4-Dinitrotoluene	10.116	165	165368	51.187	ng		96
58) Fluorene	10.486	166	530192	42.012	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.257	232	144914	46.105	ng		99
60) Diethylphthalate	10.357	149	560571	44.395	ng		99
61) 4-Chlorophenyl-phenyle...	10.474	204	266663	42.308	ng		99
62) 4-Nitroaniline	10.498	138	123431	47.251	ng		98
63) Azobenzene	10.639	77	605902	43.180	ng		99
65) 4,6-Dinitro-2-methylph...	10.527	198	79475	55.789	ng		88
66) n-Nitrosodiphenylamine	10.592	169	456509	41.204	ng		99
67) 4-Bromophenyl-phenylether	10.969	248	167500	42.217	ng		97
68) Hexachlorobenzene	11.027	284	180097	42.310	ng		99
69) Atrazine	11.121	200	144972	42.845	ng		99
70) Pentachlorophenol	11.222	266	128891	47.403	ng		98
71) Phenanthrene	11.445	178	773264	40.630	ng		100
72) Anthracene	11.498	178	763654	41.029	ng		100
73) Carbazole	11.651	167	700649	40.313	ng		100
74) Di-n-butylphthalate	11.986	149	861743	42.761	ng		99
75) Fluoranthene	12.633	202	812716	40.009	ng		99
77) Benzidine	12.751	184	249442	54.783	ng		99
78) Pyrene	12.863	202	812250	44.155	ng		100
80) Butylbenzylphthalate	13.480	149	302466	47.527	ng		97
81) Benzo(a)anthracene	14.045	228	612966	42.302	ng		100
82) 3,3'-Dichlorobenzidine	14.010	252	179919	44.421	ng		99
83) Chrysene	14.086	228	539940	41.110	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	397307	47.092	ng		100
85) Di-n-octyl phthalate	14.657	149	568765	48.032	ng		100
87) Indeno(1,2,3-cd)pyrene	17.021	276	520345	45.057	ng		100
88) Benzo(b)fluoranthene	15.104	252	518806	40.329	ng		99
89) Benzo(k)fluoranthene	15.133	252	460417	42.972	ng		99
90) Benzo(a)pyrene	15.468	252	428665	42.171	ng		100
91) Dibenzo(a,h)anthracene	17.039	278	433744	45.754	ng		100
92) Benzo(g,h,i)perylene	17.468	276	427561	39.972	ng		100

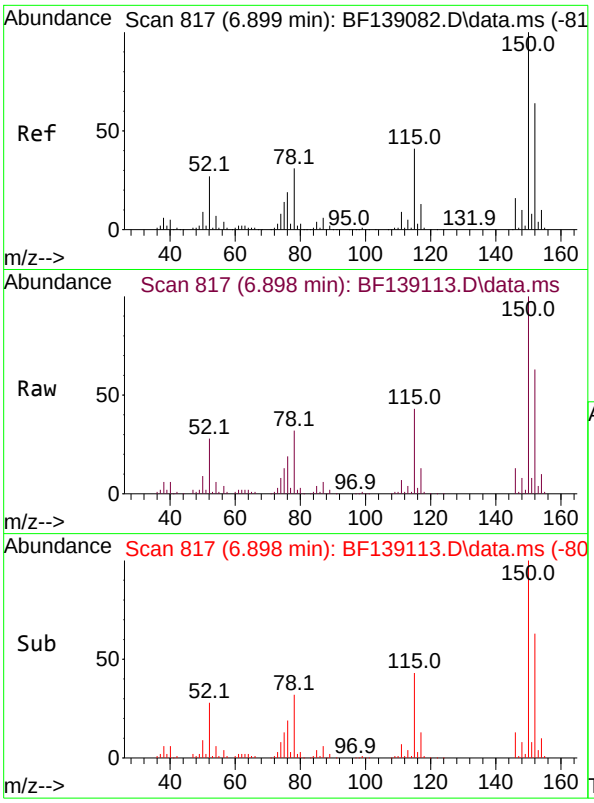
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139113.D
Acq On : 22 Aug 2024 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 22 11:00:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration



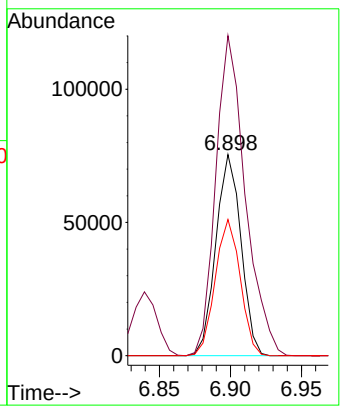


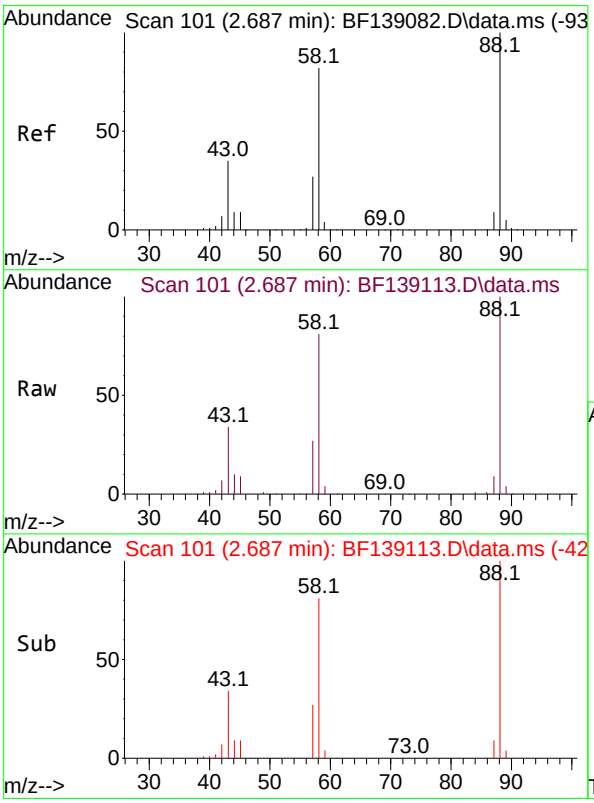
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 92822

Ion	Ratio	Lower	Upper
152	100		
150	159.2	125.1	187.7
115	67.7	51.8	77.6

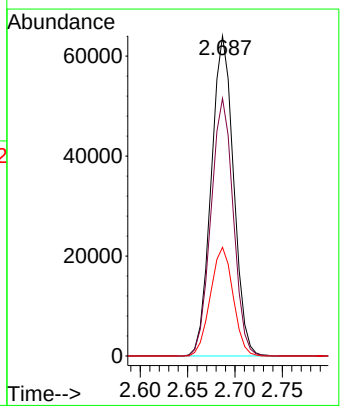


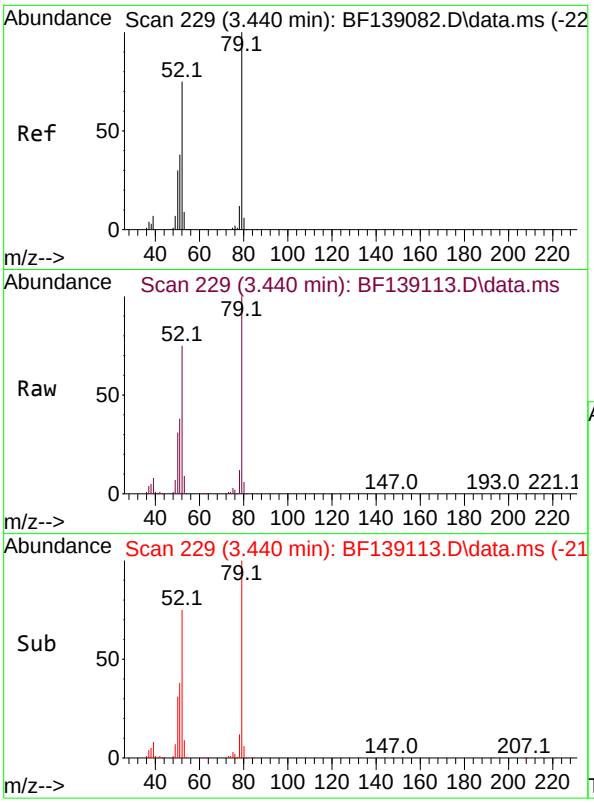


#2
1,4-Dioxane
Concen: 40.647 ng
RT: 2.687 min Scan# 101
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion: 88 Resp: 105184

Ion	Ratio	Lower	Upper
88	100		
58	80.1	65.4	98.0
43	34.4	27.9	41.9



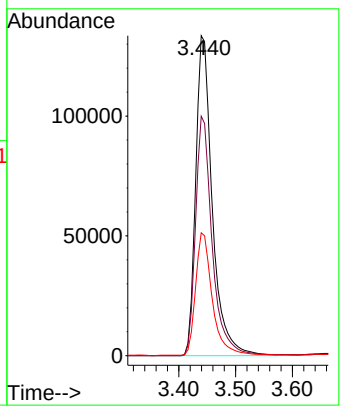


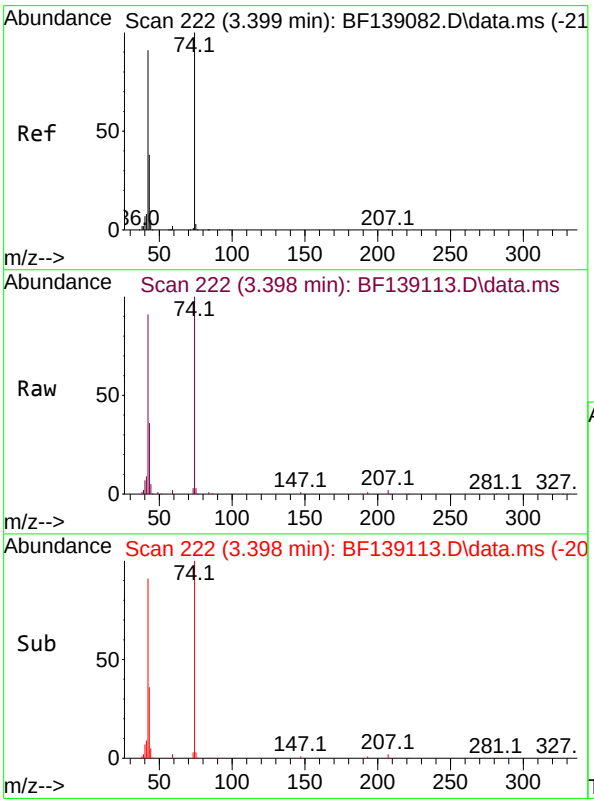
#3
Pyridine
Concen: 41.416 ng
RT: 3.440 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 272344

Ion	Ratio	Lower	Upper
79	100		
52	74.8	59.7	89.5
51	38.4	30.6	45.8

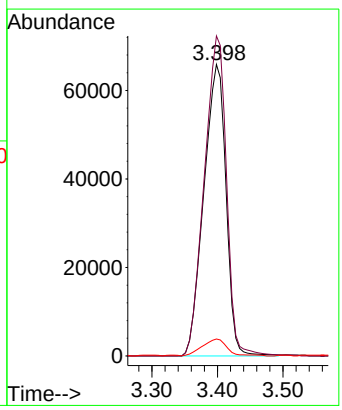


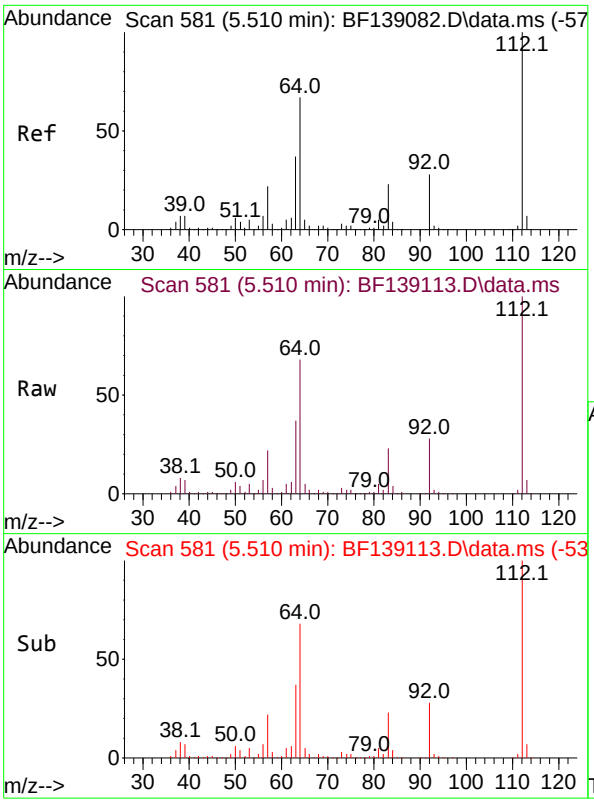


#4
n-Nitrosodimethylamine
Concen: 39.002 ng
RT: 3.398 min Scan# 222
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion: 42 Resp: 154929

Ion	Ratio	Lower	Upper
42	100		
74	109.8	88.2	132.2
44	5.8	5.4	8.0



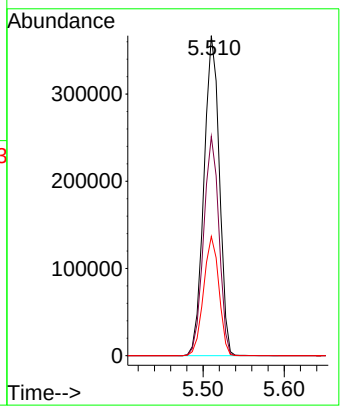


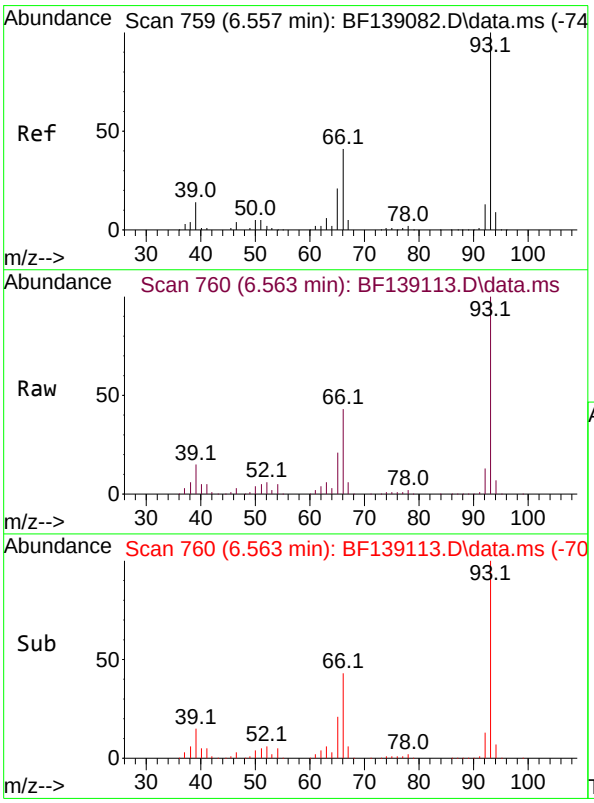
#5
2-Fluorophenol
Concen: 80.126 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 483418

Ion	Ratio	Lower	Upper
112	100		
64	68.5	53.8	80.6
63	37.3	29.4	44.2

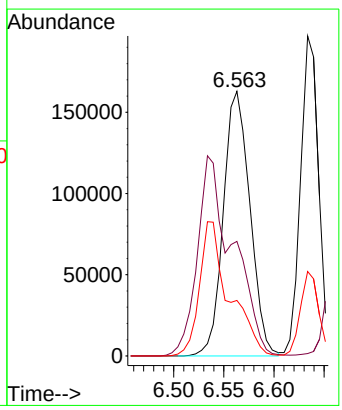


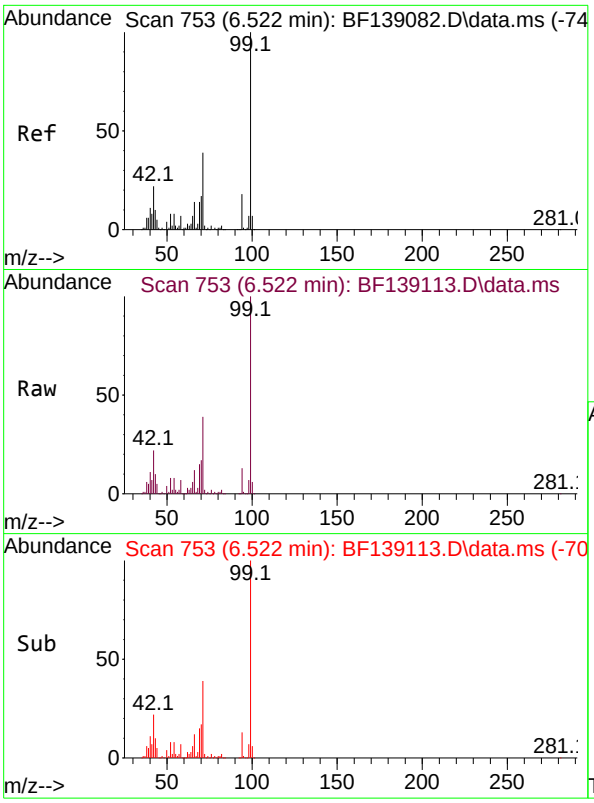


#6
Aniline
Concen: 42.688 ng
RT: 6.563 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion: 93 Resp: 300421

Ion	Ratio	Lower	Upper
93	100		
66	43.3	35.1	52.7
65	21.0	17.4	26.2



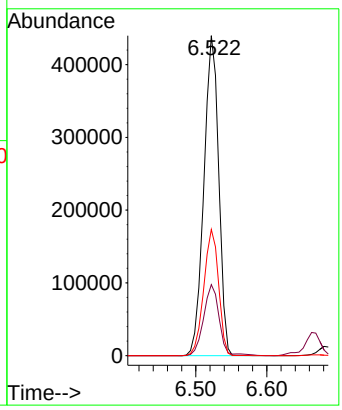


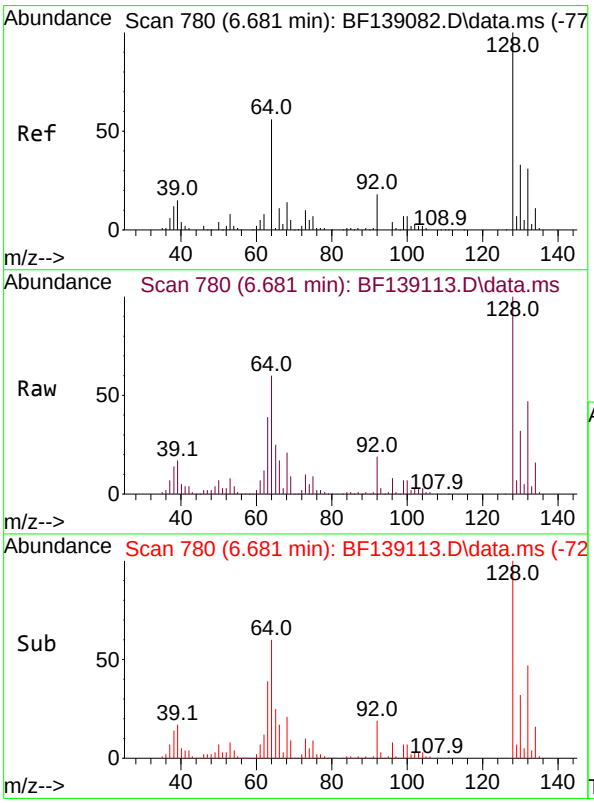
#7
Phenol-d6
Concen: 82.032 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 639495

Ion	Ratio	Lower	Upper
99	100		
42	22.2	17.4	26.2
71	39.5	31.2	46.8

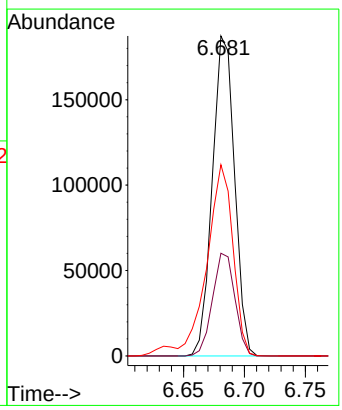


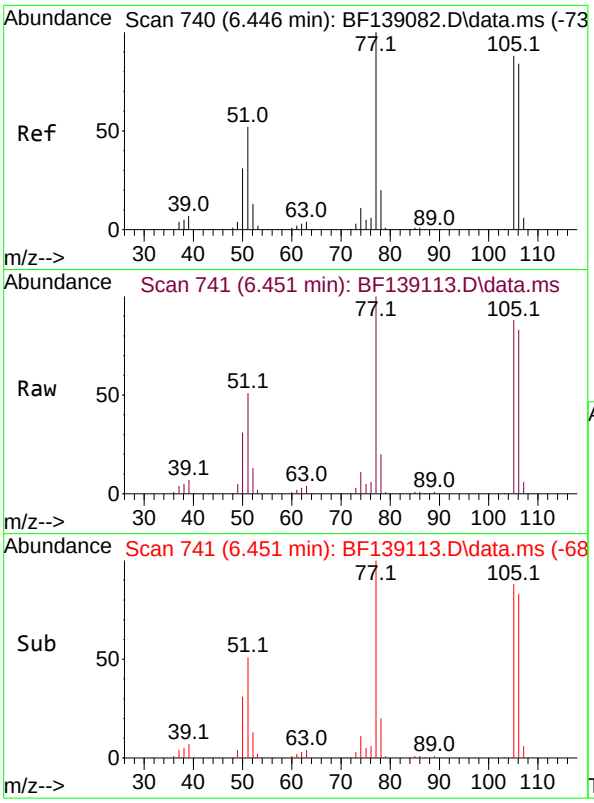


#8
2-Chlorophenol
Concen: 40.978 ng
RT: 6.681 min Scan# 780
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:128 Resp: 237791

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.6	52.6
64	59.7	39.1	79.1



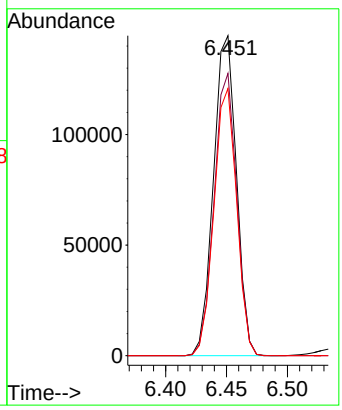


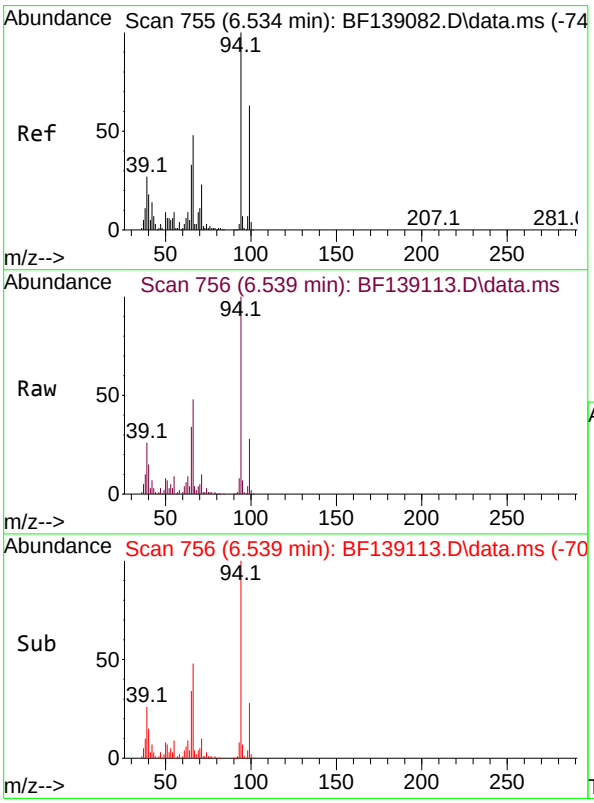
#9
Benzaldehyde
Concen: 41.537 ng
RT: 6.451 min Scan# 74
Delta R.T. 0.005 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 189909

Ion	Ratio	Lower	Upper
77	100		
105	88.2	68.2	108.2
106	83.5	63.8	103.8

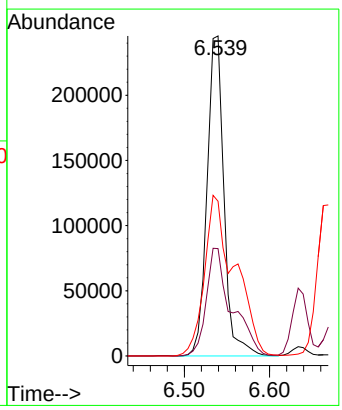


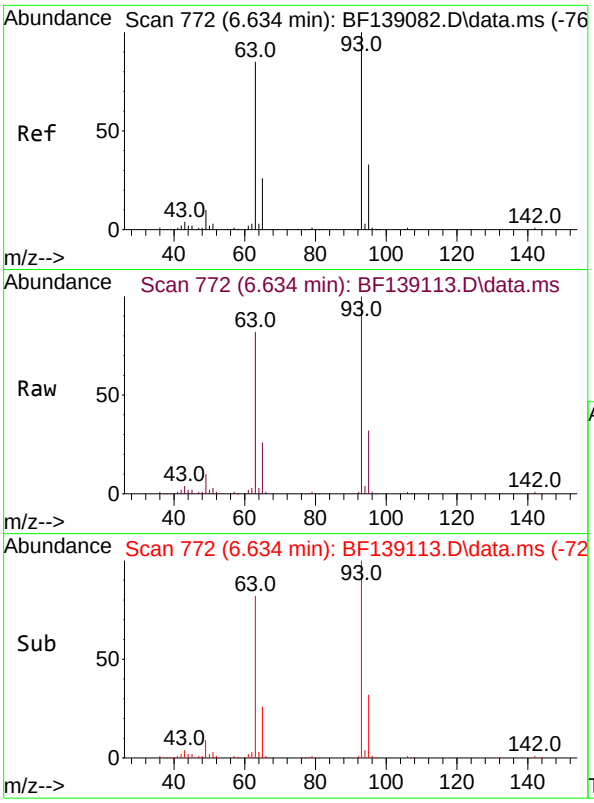


#10
Phenol
Concen: 41.857 ng
RT: 6.539 min Scan# 756
Delta R.T. 0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion: 94 Resp: 339518

Ion	Ratio	Lower	Upper
94	100		
65	33.6	13.5	53.5
66	48.3	28.5	68.5



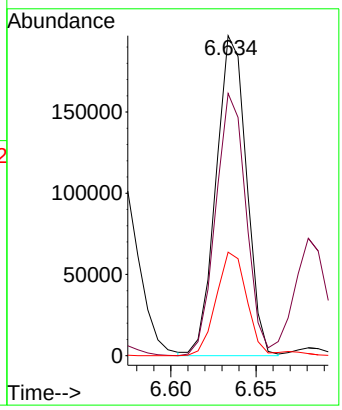


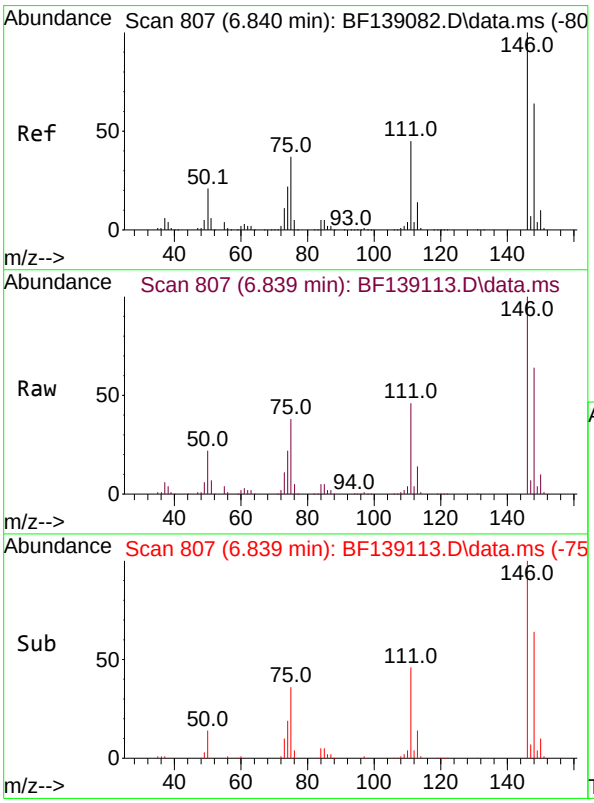
#11
bis(2-Chloroethyl)ether
Concen: 37.514 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 244710

Ion	Ratio	Lower	Upper
93	100		
63	81.9	62.7	102.7
95	32.3	11.9	51.9

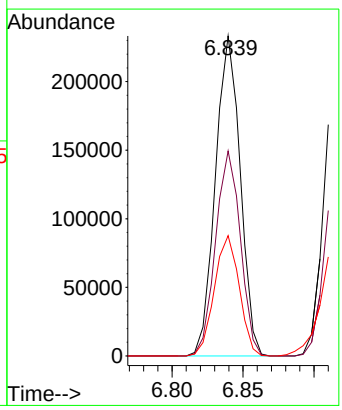


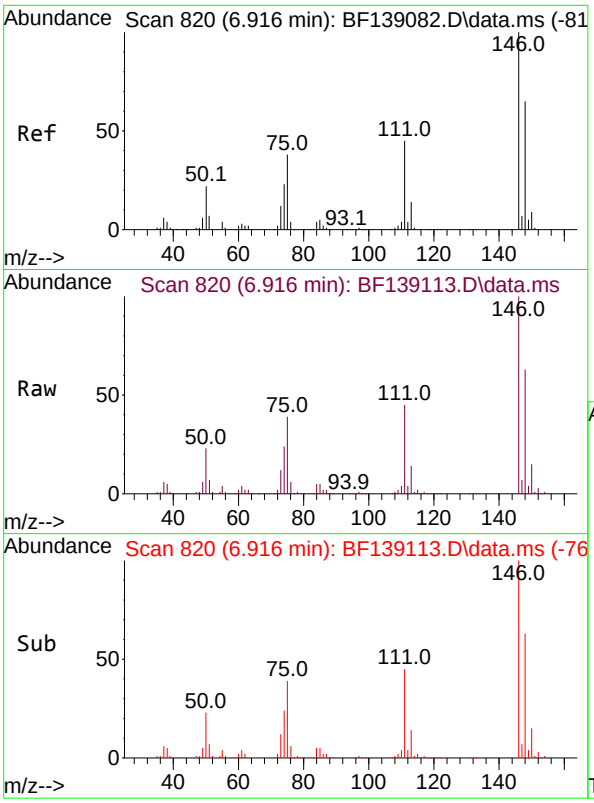


#12
1,3-Dichlorobenzene
Concen: 40.604 ng
RT: 6.839 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:146 Resp: 283295

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
75	37.6	29.9	44.9



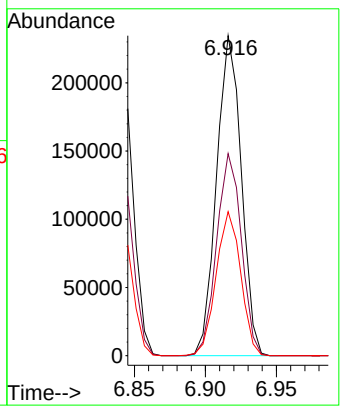


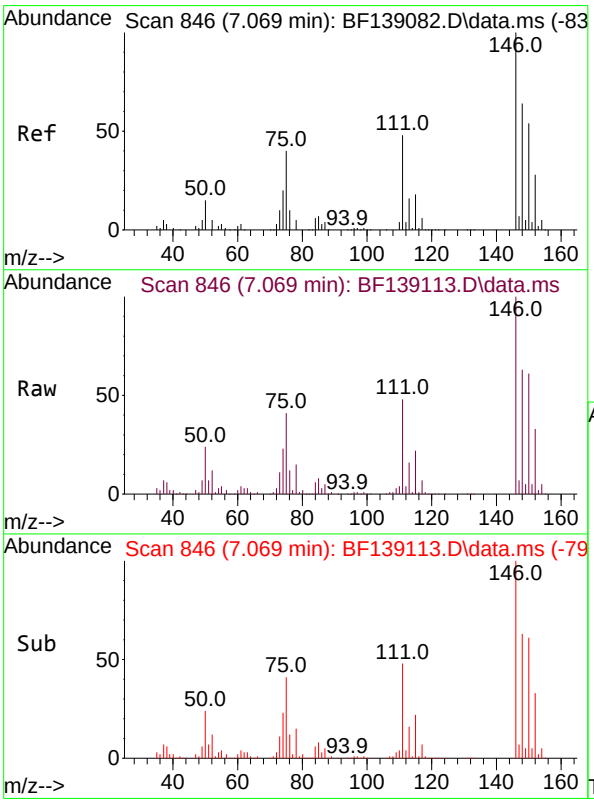
#13
1,4-Dichlorobenzene
Concen: 40.721 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 284066

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.9	77.9
111	45.0	35.8	53.6

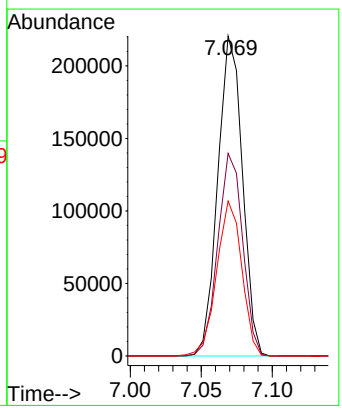


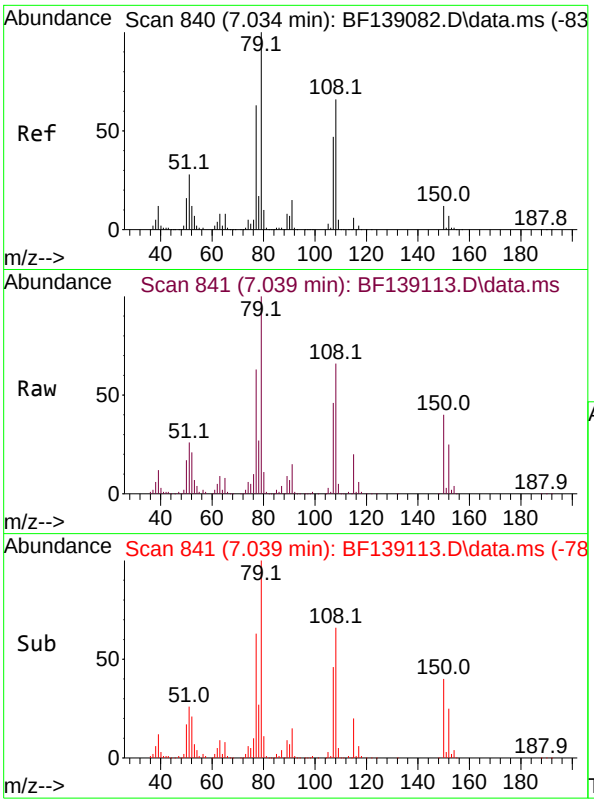


#14
1,2-Dichlorobenzene
Concen: 41.739 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:146 Resp: 266108

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.4	77.2
111	48.4	38.1	57.1



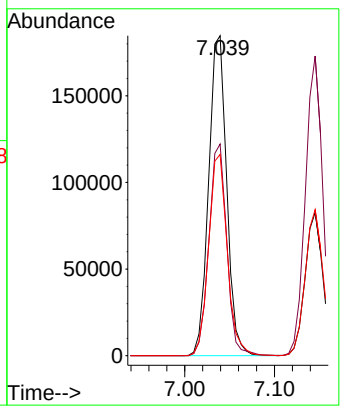


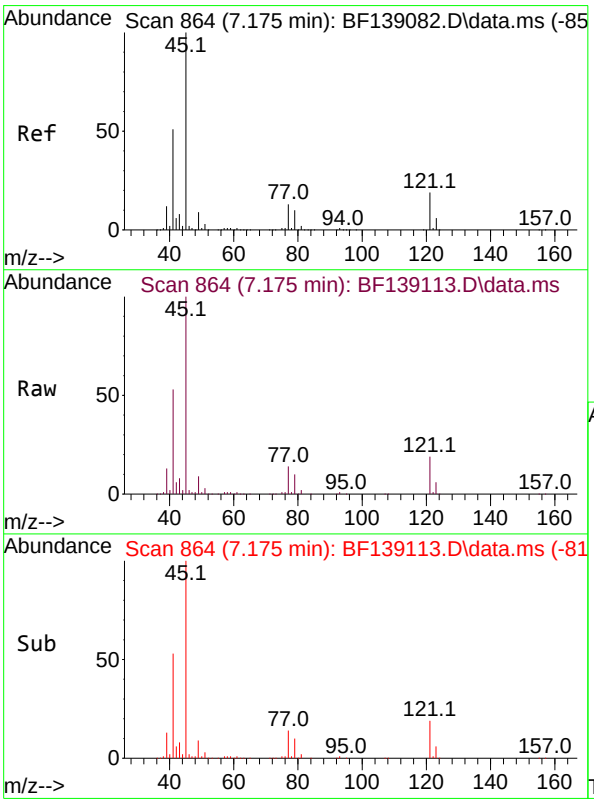
#15
Benzyl Alcohol
Concen: 41.875 ng
RT: 7.039 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 258007

Ion	Ratio	Lower	Upper
79	100		
108	66.1	52.8	79.2
77	62.9	50.6	76.0

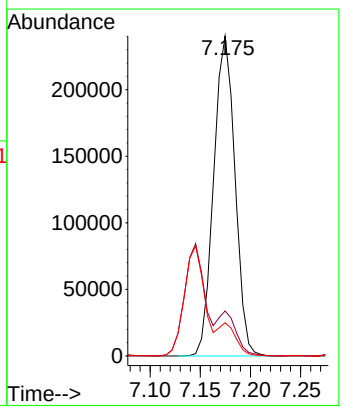


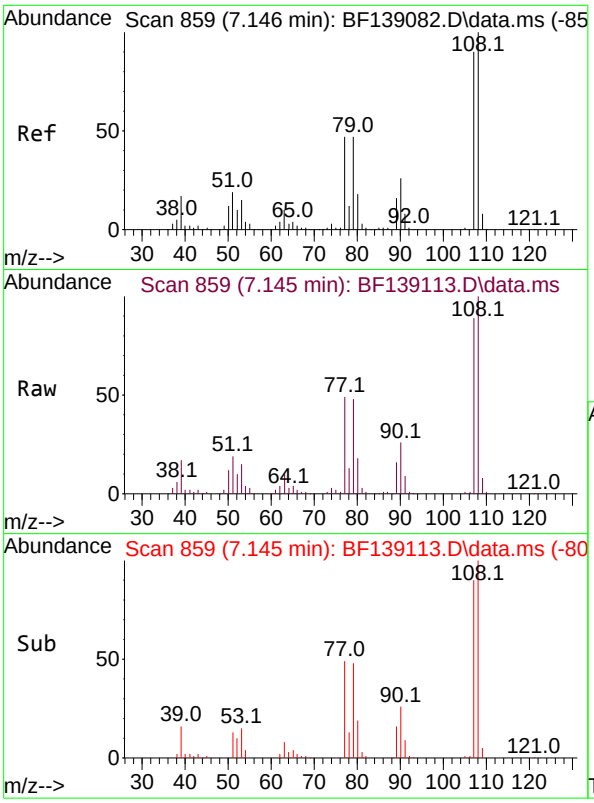


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.532 ng
RT: 7.175 min Scan# 864
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion: 45 Resp: 354062

Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	33.7
79	10.4	0.0	30.4



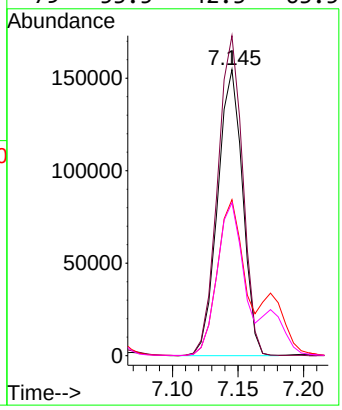


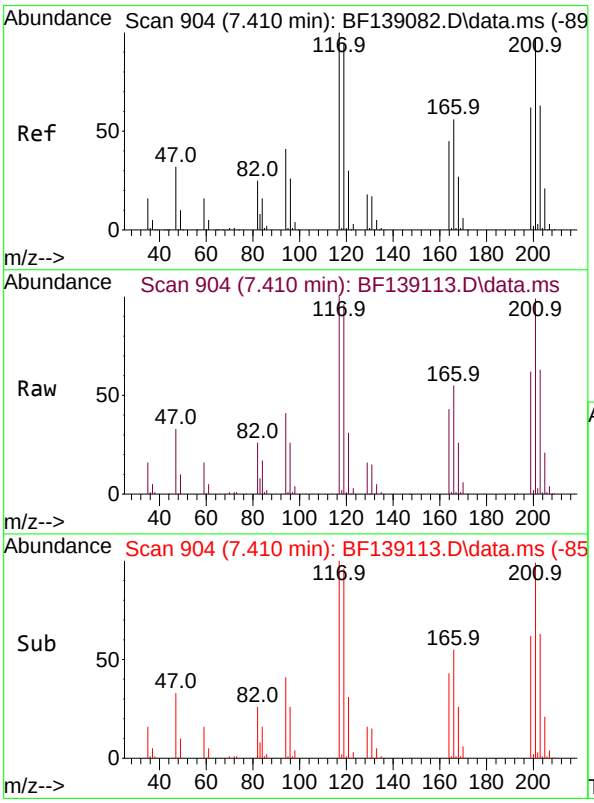
#17
2-Methylphenol
Concen: 41.280 ng
RT: 7.145 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 204934

Ion	Ratio	Lower	Upper
107	100		
108	111.8	89.1	133.7
77	54.5	42.1	63.1
79	53.5	42.3	63.5

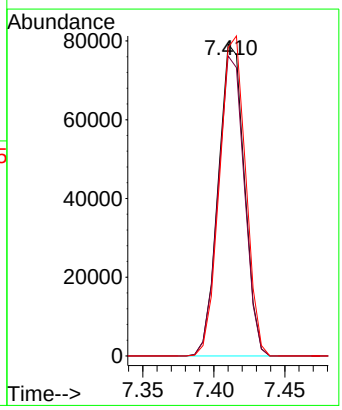


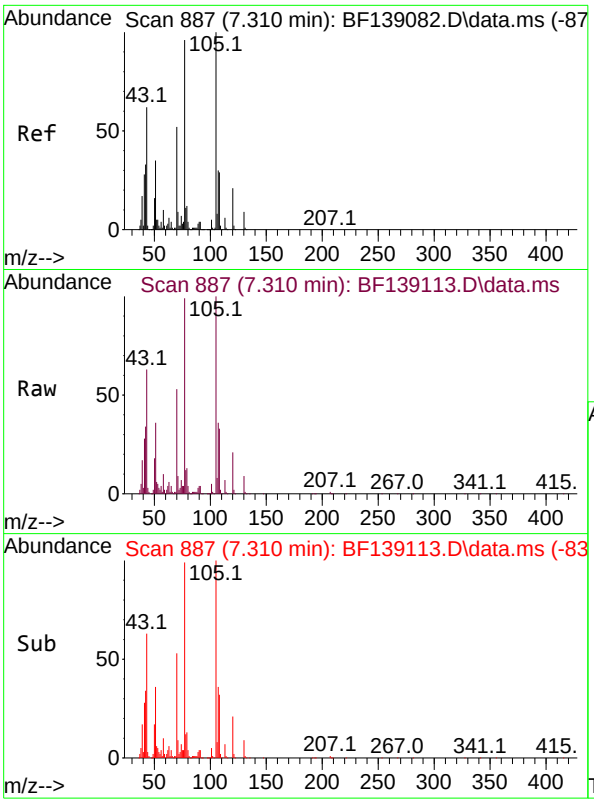


#18
Hexachloroethane
Concen: 41.348 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:117 Resp: 101144

Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.5	113.3
201	98.8	77.8	116.8



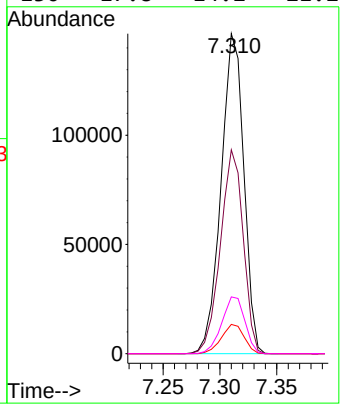


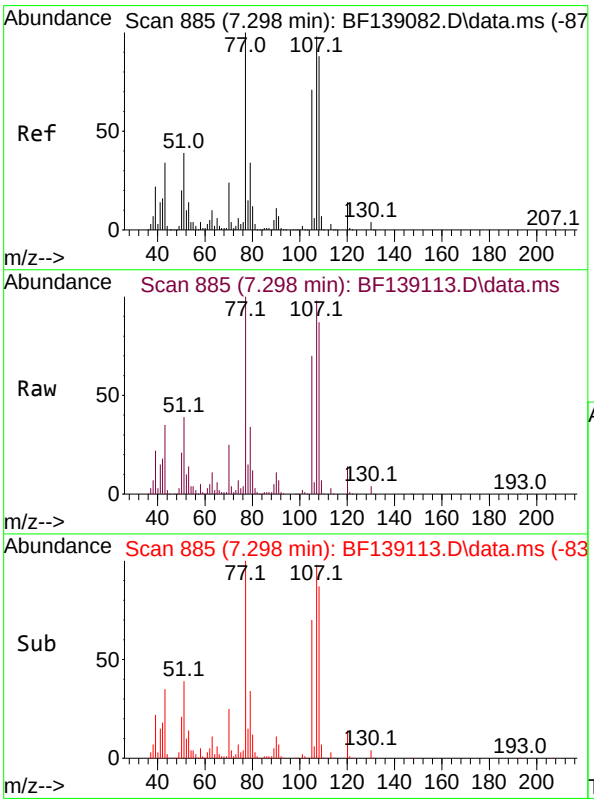
#19
n-Nitroso-di-n-propylamine
Concen: 39.836 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 203939

Ion	Ratio	Lower	Upper
70	100		
42	63.7	50.5	75.7
101	9.2	7.2	10.8
130	17.8	14.2	21.2

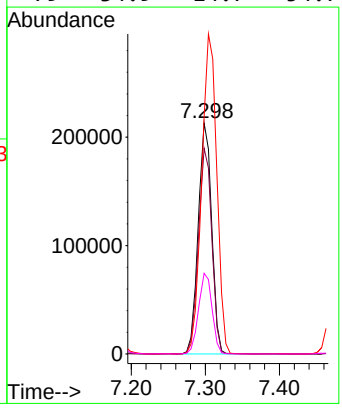


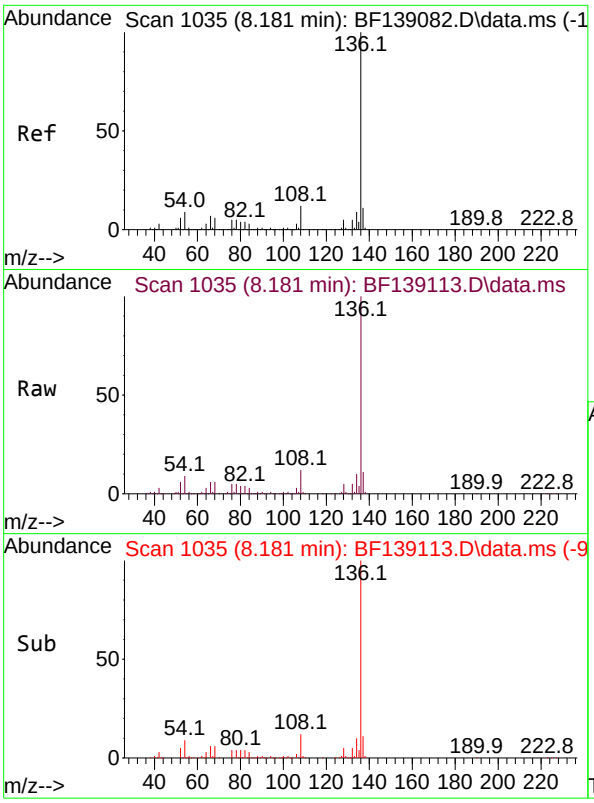


#20
3+4-Methylphenols
Concen: 41.738 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:107 Resp: 268466

Ion	Ratio	Lower	Upper
107	100		
108	89.0	70.2	110.2
77	102.6	82.7	122.7
79	34.9	14.7	54.7



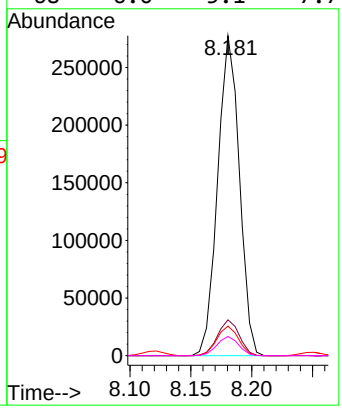


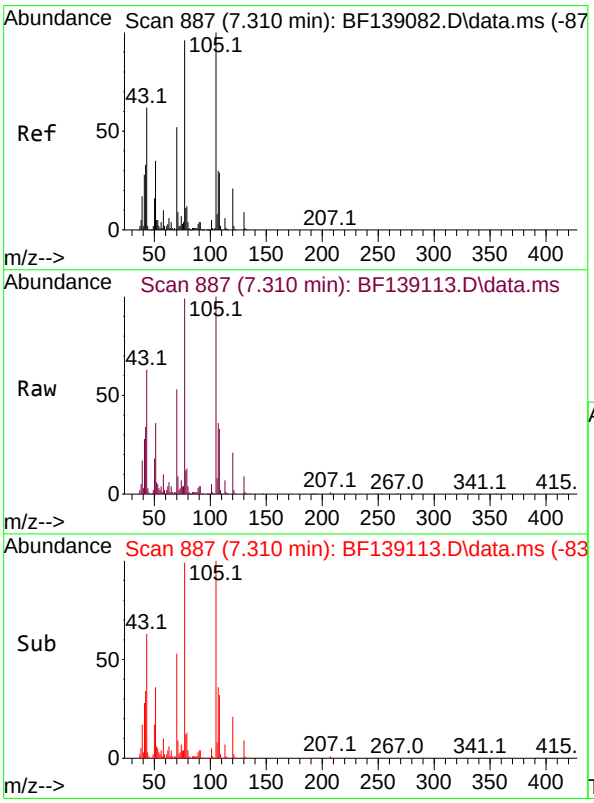
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 343989

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	9.3	7.6	11.4
68	6.0	5.1	7.7

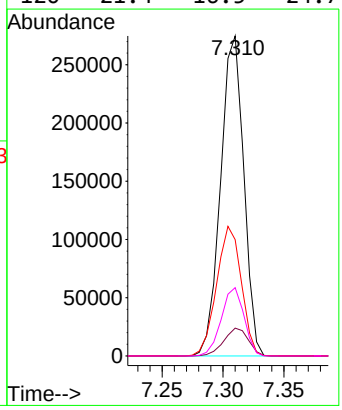


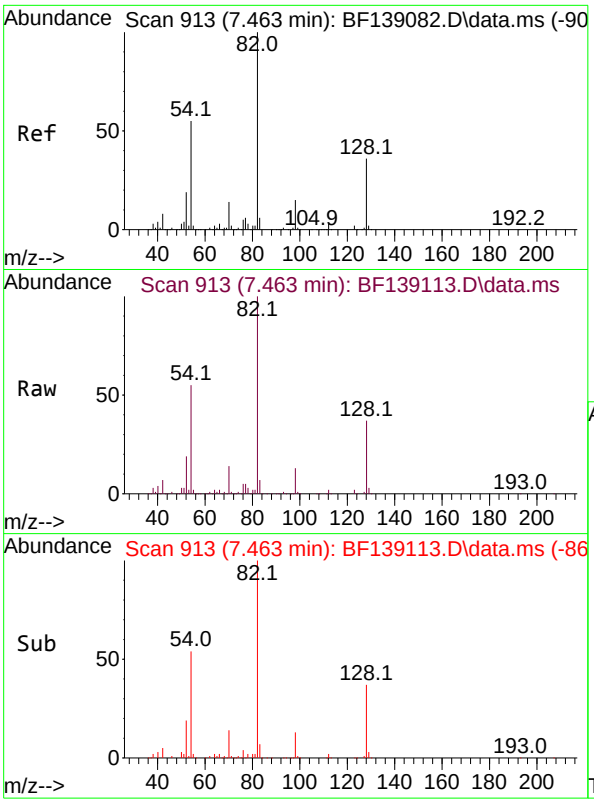


#22
Acetophenone
Concen: 41.440 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:105 Resp: 363970

Ion	Ratio	Lower	Upper
105	100		
71	8.7	7.0	10.6
51	36.3	28.0	42.0
120	21.4	16.5	24.7



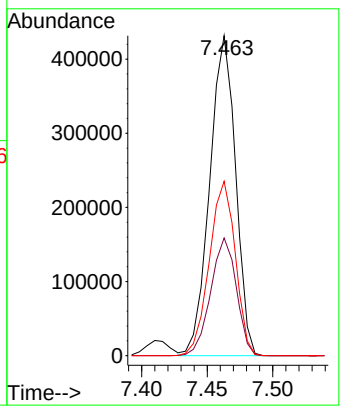


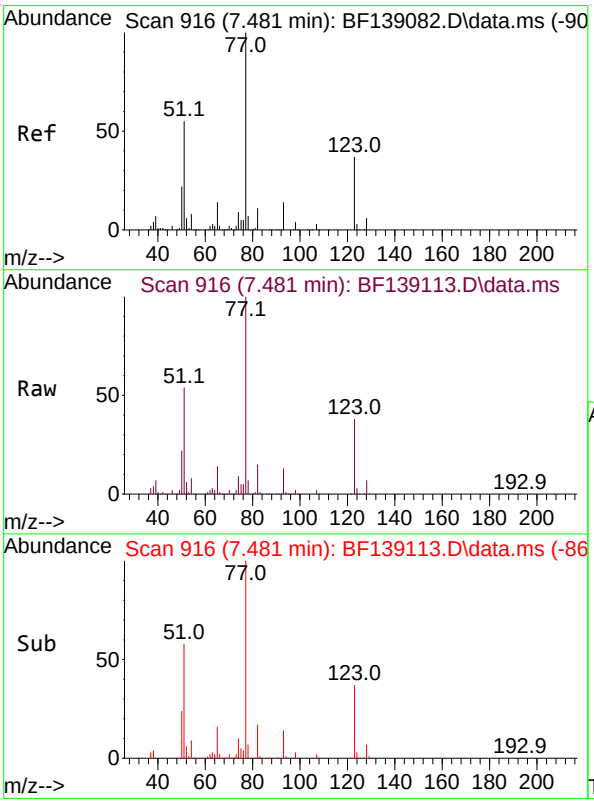
#23
Nitrobenzene-d5
Concen: 100.273 ng
RT: 7.463 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 591949

Ion	Ratio	Lower	Upper
82	100		
128	36.8	29.0	43.4
54	54.5	43.4	65.2

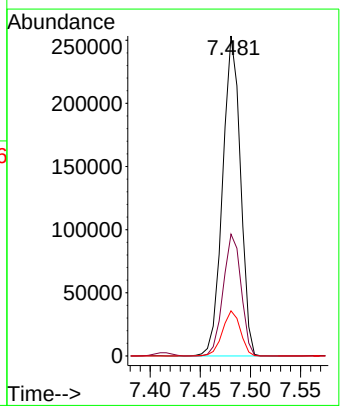


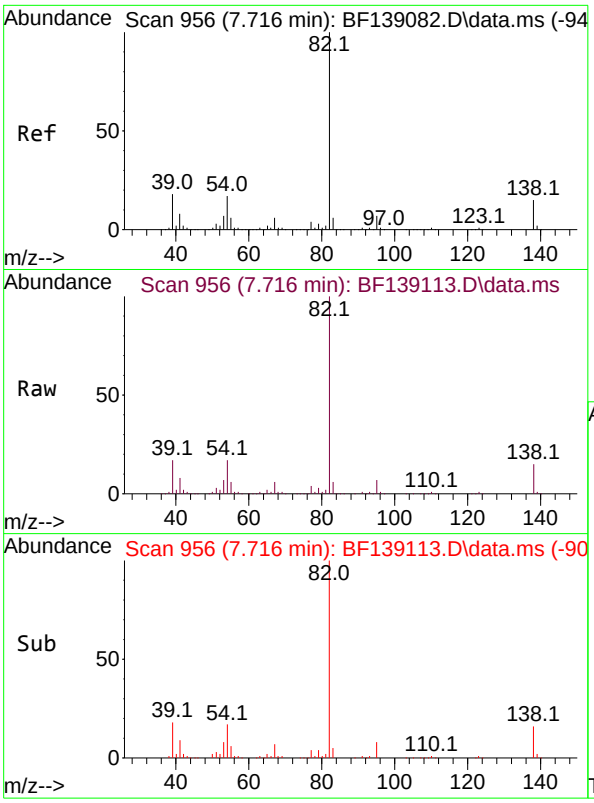


#24
Nitrobenzene
Concen: 47.800 ng
RT: 7.481 min Scan# 916
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion: 77 Resp: 313650

Ion	Ratio	Lower	Upper
77	100		
123	38.1	30.3	45.5
65	14.1	11.3	16.9



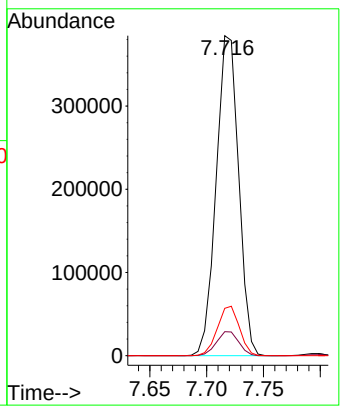


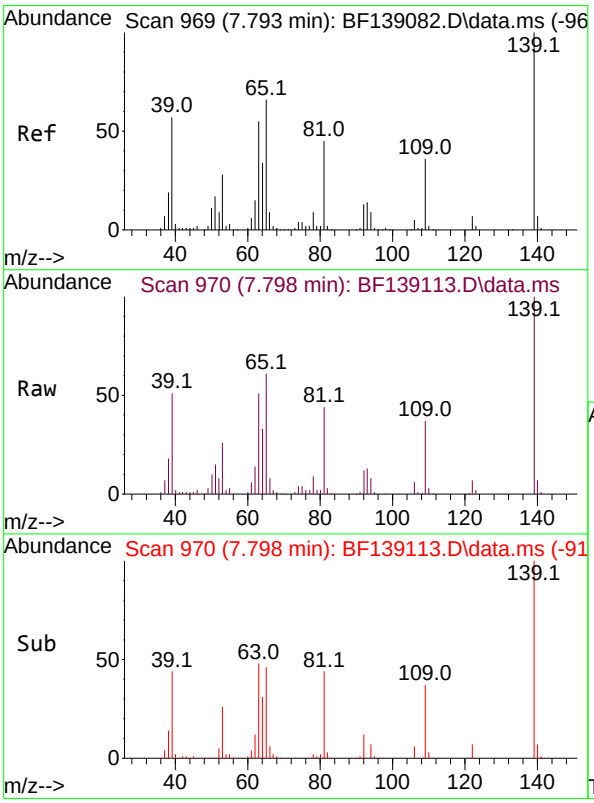
#25
Isophorone
Concen: 42.189 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 529368

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	14.8	11.8	17.8

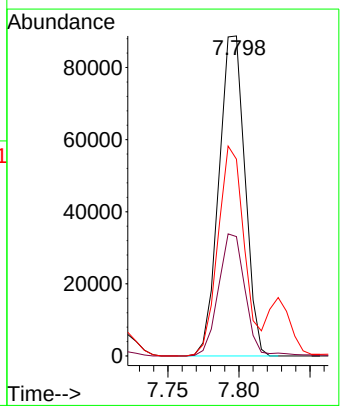


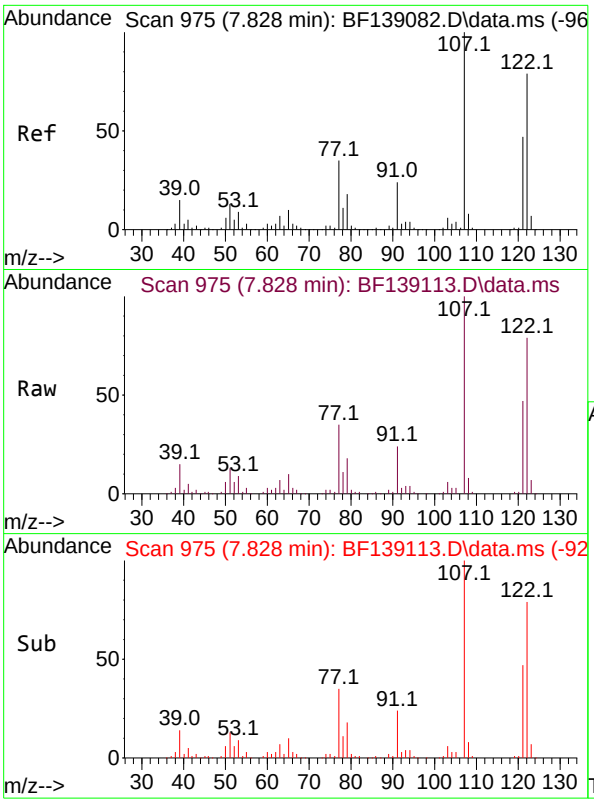


#26
2-Nitrophenol
Concen: 49.343 ng
RT: 7.798 min Scan# 970
Delta R.T. 0.005 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:139 Resp: 113312

Ion	Ratio	Lower	Upper
139	100		
109	37.3	29.2	43.8
65	61.5	52.7	79.1



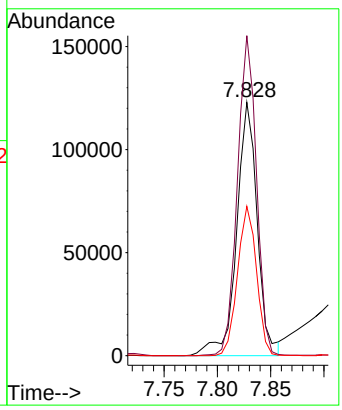


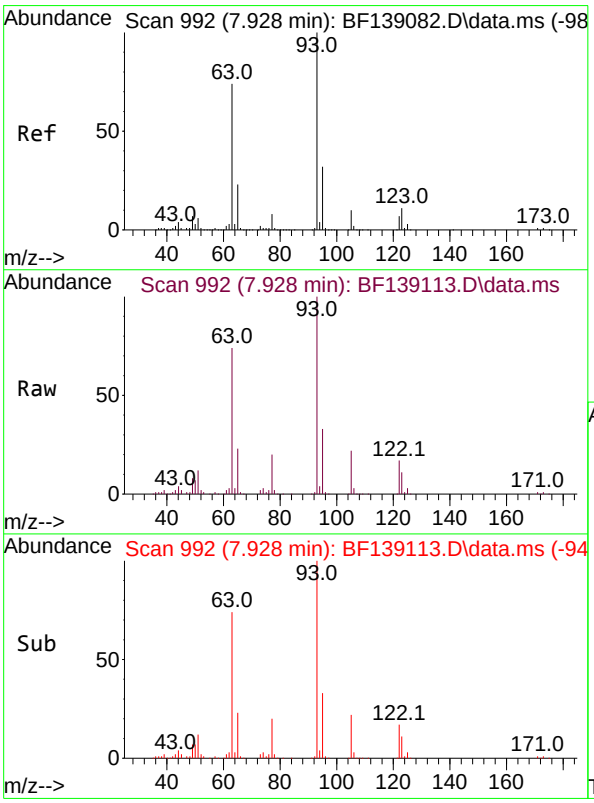
#27
2,4-Dimethylphenol
Concen: 41.727 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 166026

Ion	Ratio	Lower	Upper
122	100		
107	126.3	101.1	151.7
121	59.0	47.5	71.3

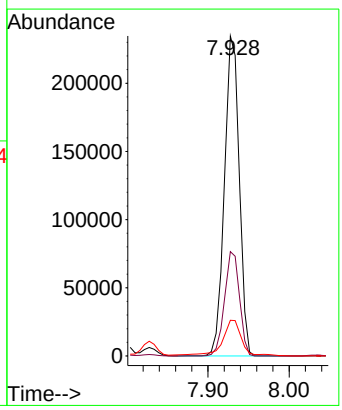


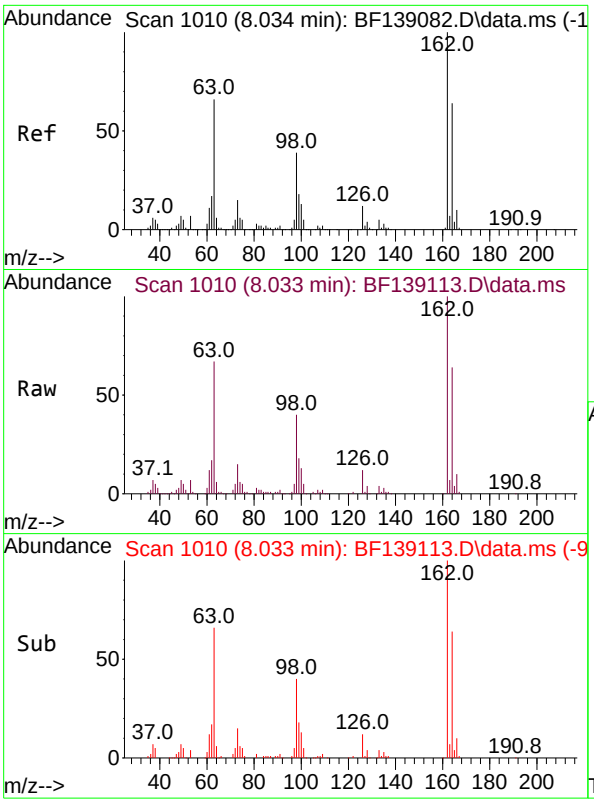


#28
bis(2-Chloroethoxy)methane
Concen: 40.755 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion: 93 Resp: 298794

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.8	38.8
123	11.2	8.9	13.3



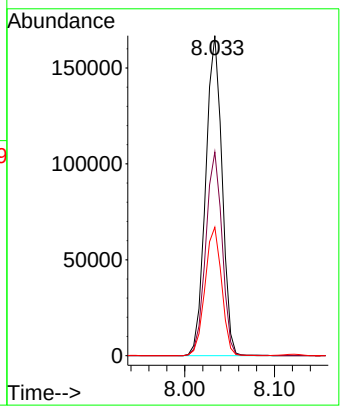


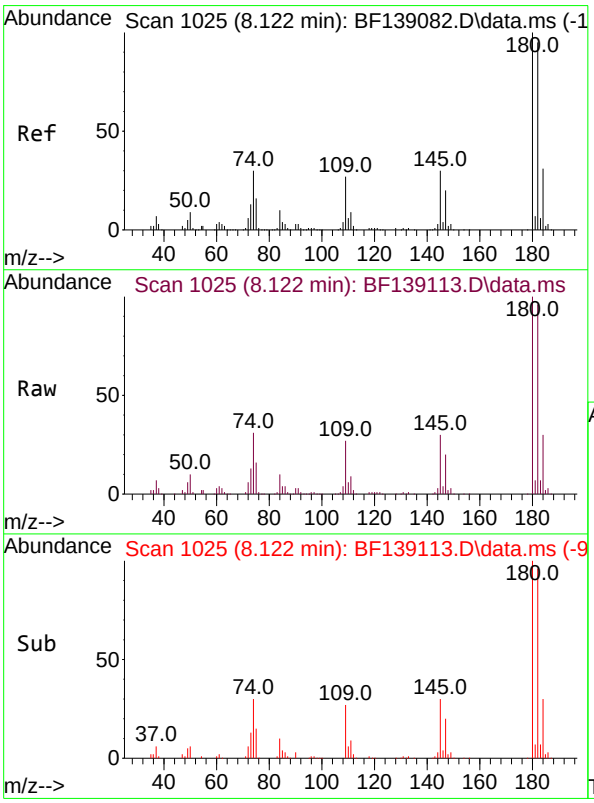
#29
2,4-Dichlorophenol
Concen: 42.642 ng
RT: 8.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 211374

Ion	Ratio	Lower	Upper
162	100		
164	63.6	43.9	83.9
98	40.1	19.7	59.7

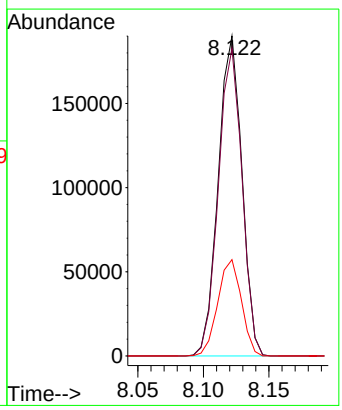


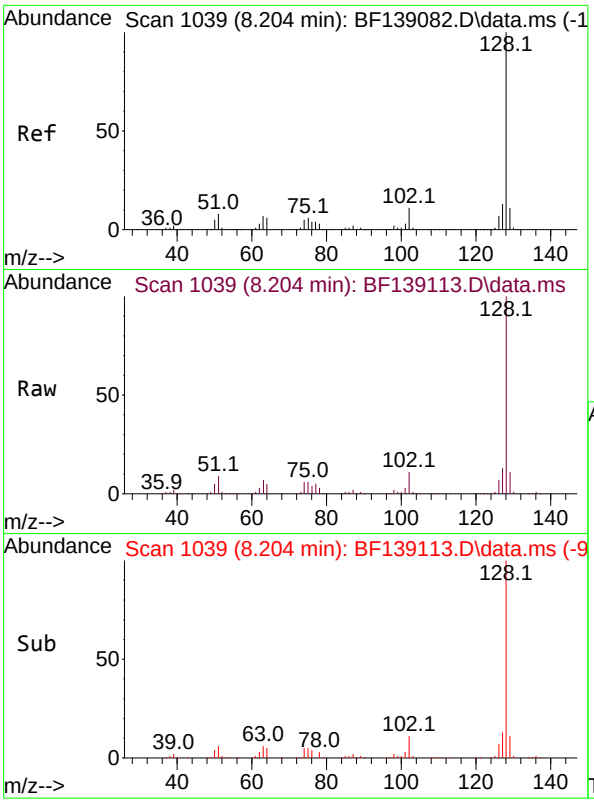


#30
1,2,4-Trichlorobenzene
Concen: 41.066 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:180 Resp: 238360

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
145	30.1	23.9	35.9



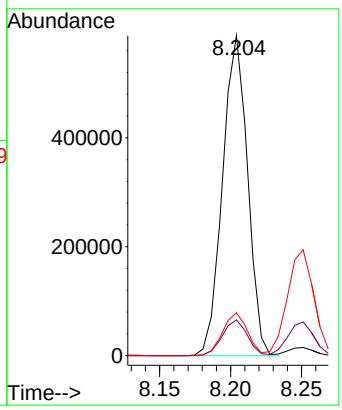


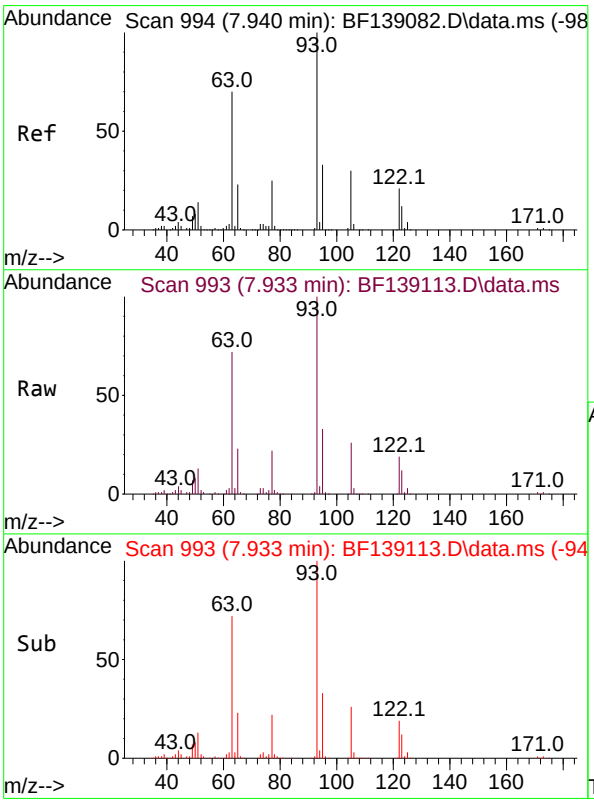
#31
Naphthalene
Concen: 41.332 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 720491

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.4	10.7	16.1

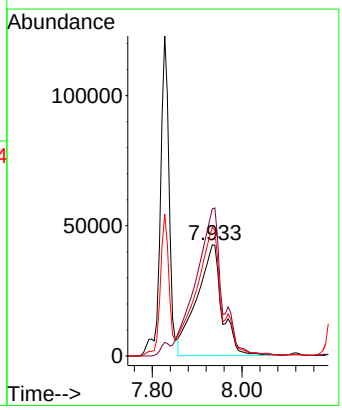


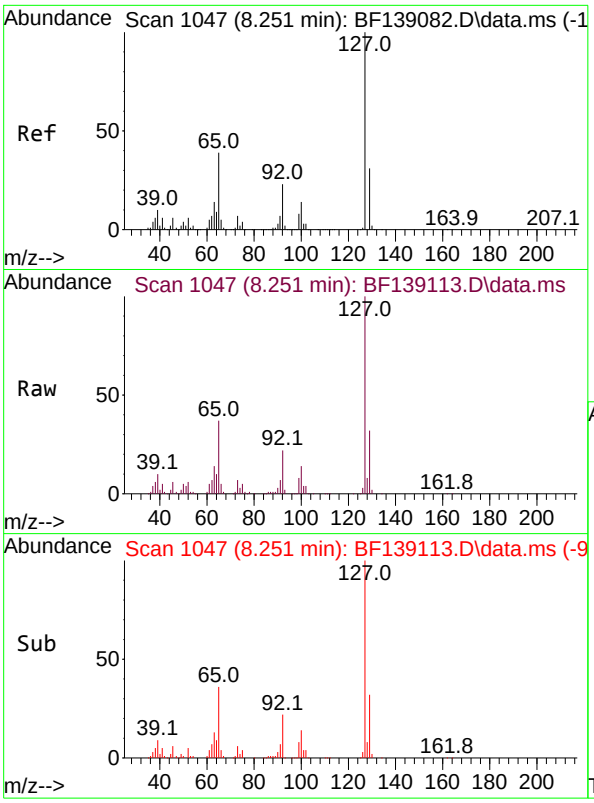


#32
Benzoic acid
Concen: 49.705 ng
RT: 7.933 min Scan# 993
Delta R.T. -0.007 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:122 Resp: 165884

Ion	Ratio	Lower	Upper
122	100		
105	132.3	119.6	159.6
77	115.4	97.6	137.6



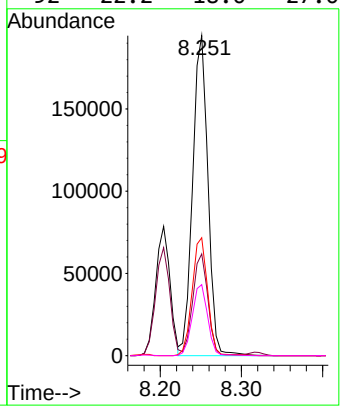


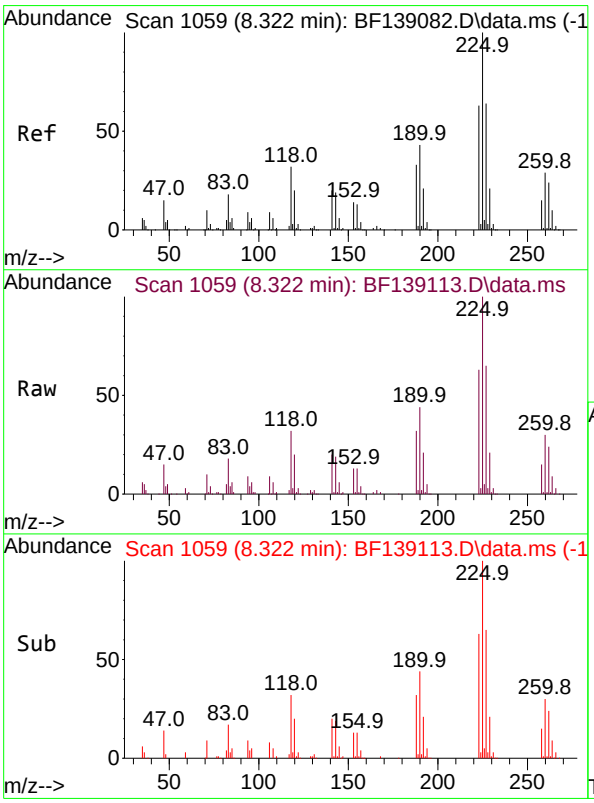
#33
4-Chloroaniline
Concen: 42.759 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 255271

Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.0	39.0
65	36.9	30.3	45.5
92	22.2	18.0	27.0

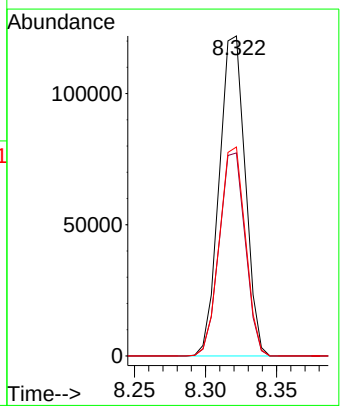


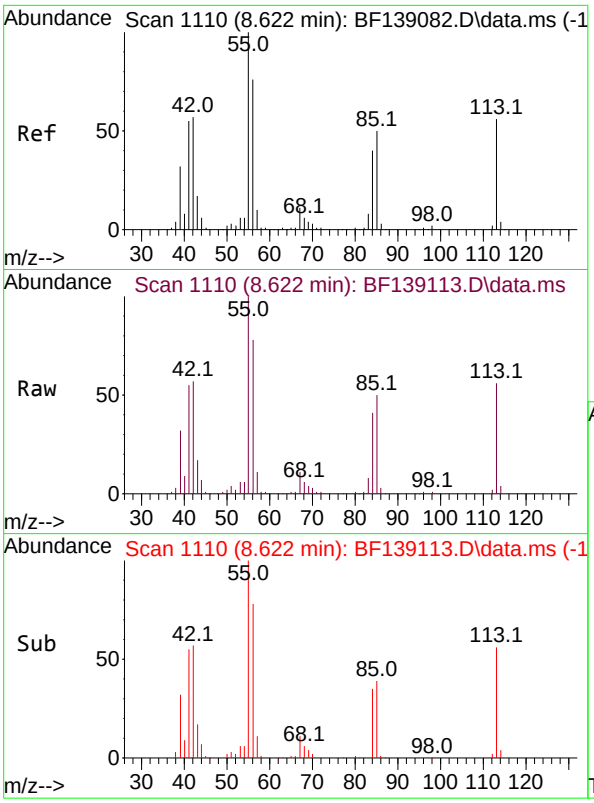


#34
Hexachlorobutadiene
Concen: 40.877 ng
RT: 8.322 min Scan# 1059
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:225 Resp: 154987

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.0	75.0
227	65.3	51.4	77.2



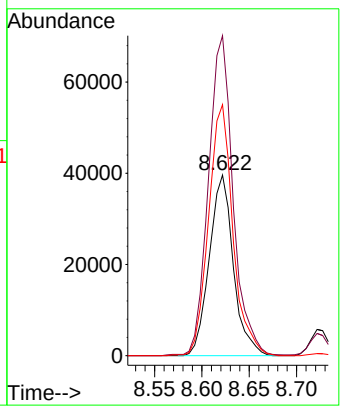


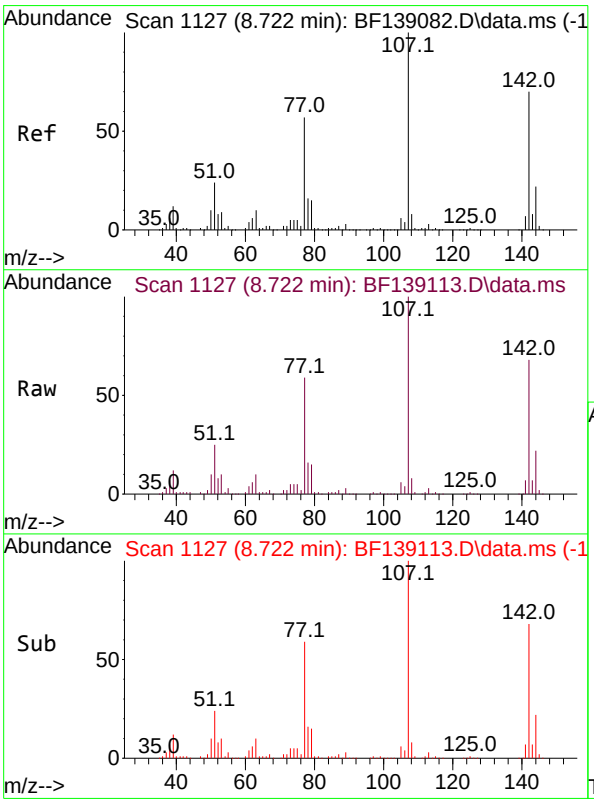
#35
Caprolactam
Concen: 44.432 ng
RT: 8.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 69828

Ion	Ratio	Lower	Upper
113	100		
55	177.2	158.6	198.6
56	139.0	115.9	155.9

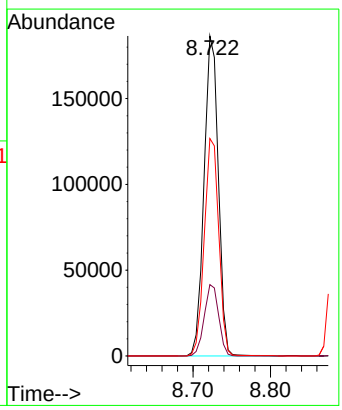


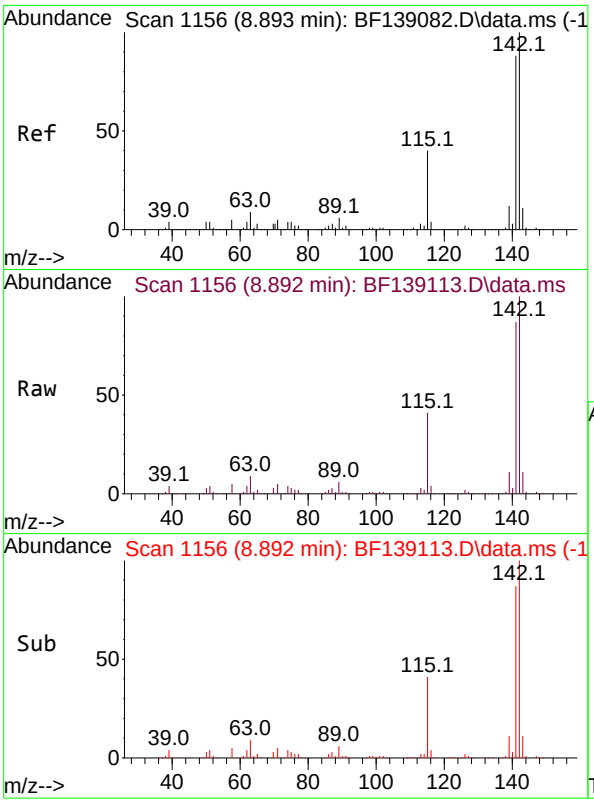


#36
4-Chloro-3-methylphenol
Concen: 43.488 ng
RT: 8.722 min Scan# 1127
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:107 Resp: 238684

Ion	Ratio	Lower	Upper
107	100		
144	22.3	17.7	26.5
142	68.0	55.6	83.4



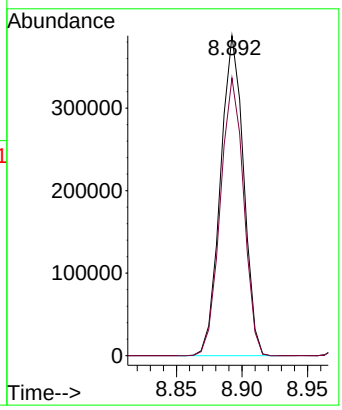


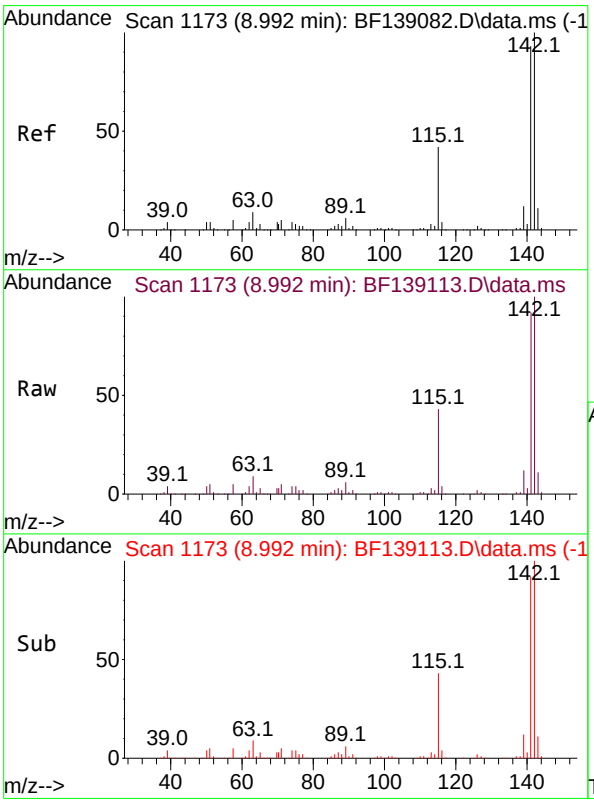
#37
2-Methylnaphthalene
Concen: 42.445 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 474576

Ion	Ratio	Lower	Upper
142	100		
141	86.8	70.6	105.8

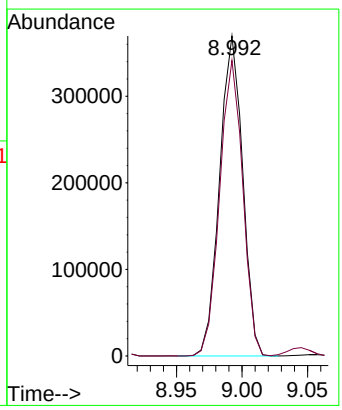


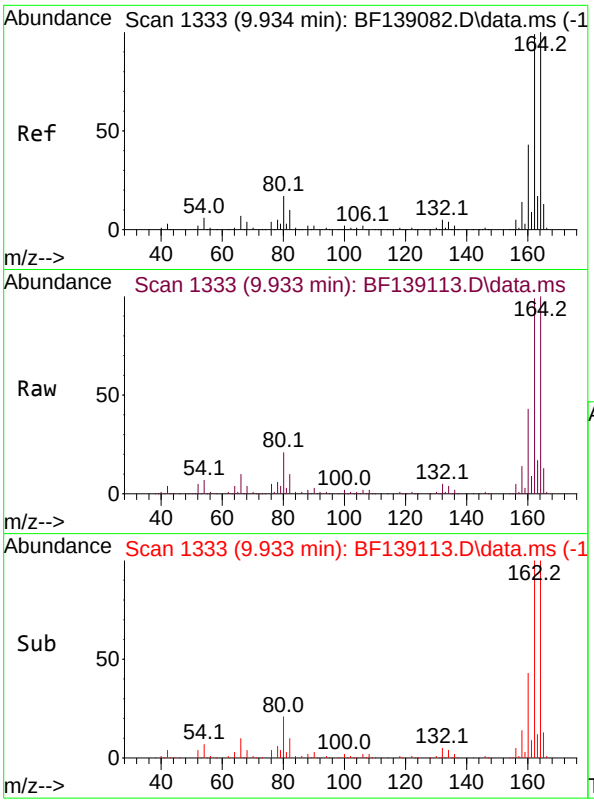


#38
1-Methylnaphthalene
Concen: 41.906 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:142 Resp: 452216

Ion	Ratio	Lower	Upper
142	100		
141	92.3	74.1	111.1



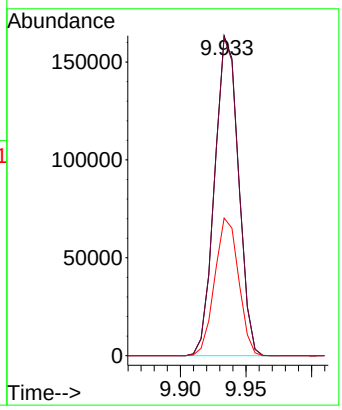


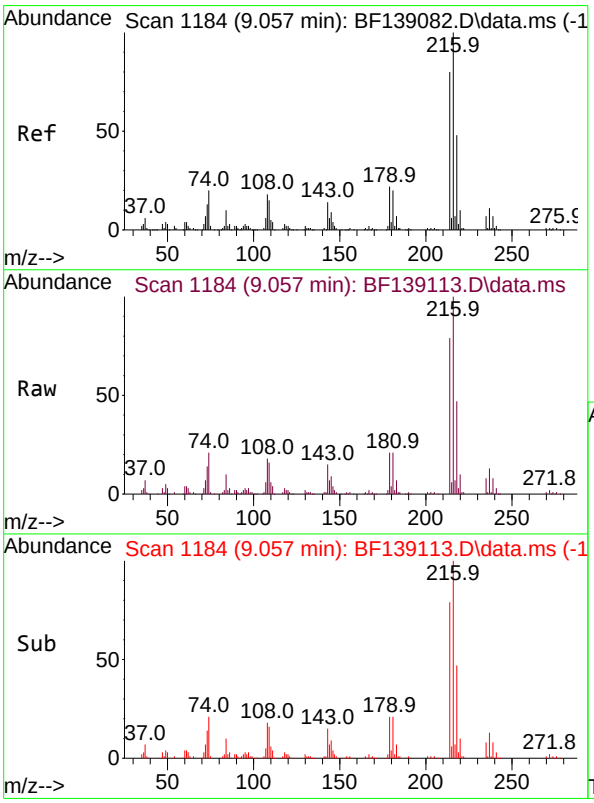
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 206423

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.5	119.3
160	43.0	34.5	51.7

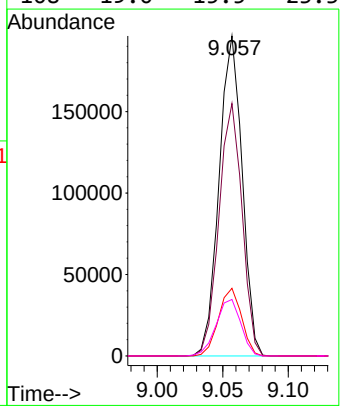


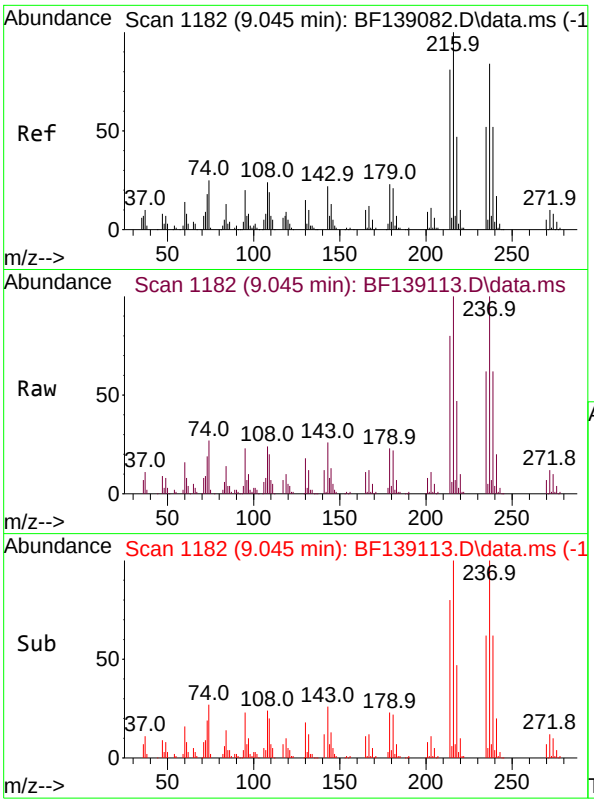


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.331 ng
RT: 9.057 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:216 Resp: 239663

Ion	Ratio	Lower	Upper
216	100		
214	79.0	64.2	96.2
179	21.2	17.4	26.2
108	19.0	15.5	23.3



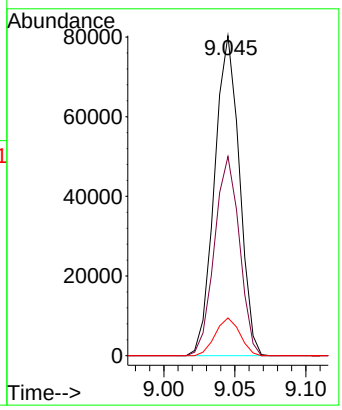


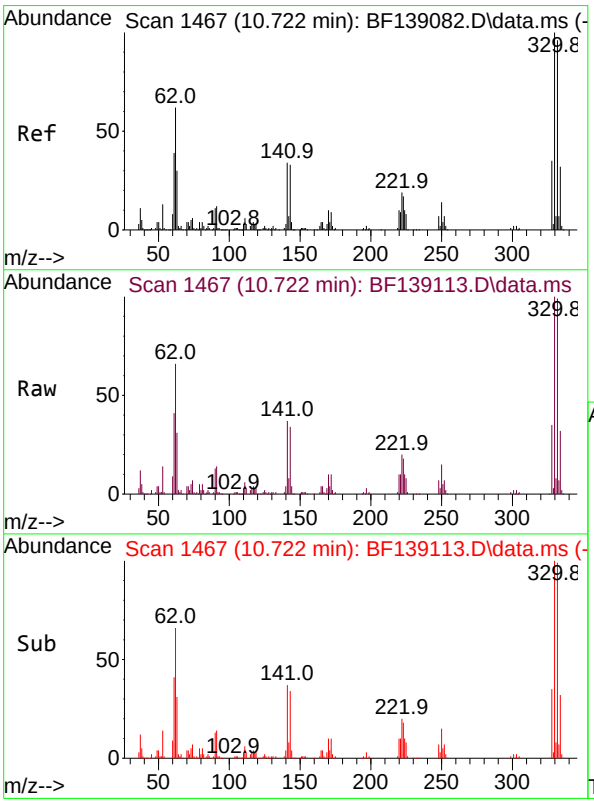
#41
Hexachlorocyclopentadiene
Concen: 45.024 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 97792

Ion	Ratio	Lower	Upper
237	100		
235	62.3	42.5	82.5
272	11.8	0.0	32.0

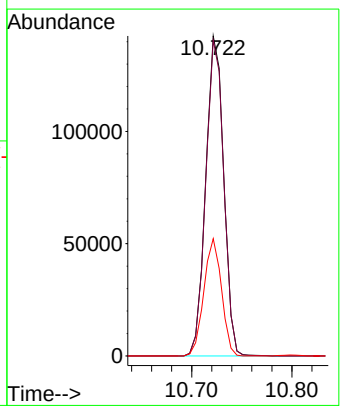


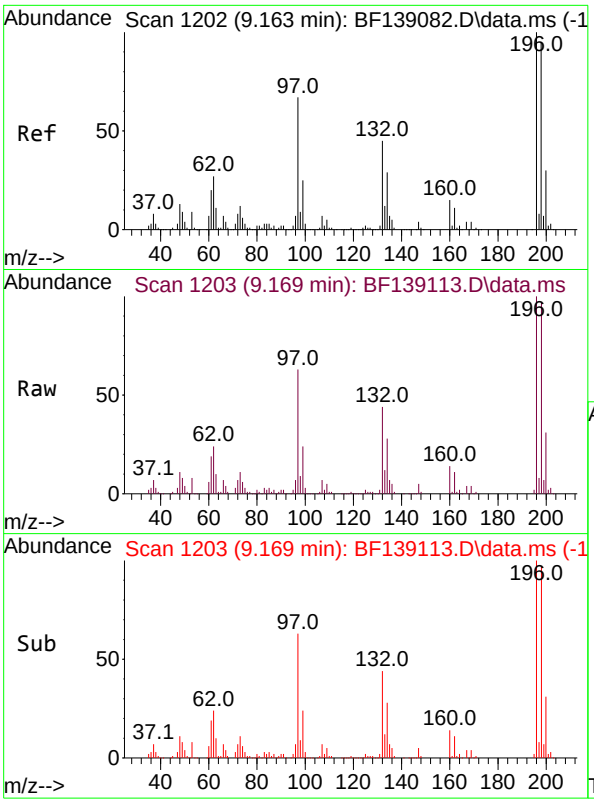


#42
2,4,6-Tribromophenol
Concen: 95.201 ng
RT: 10.722 min Scan# 1467
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:330 Resp: 177903

Ion	Ratio	Lower	Upper
330	100		
332	98.8	77.0	115.6
141	36.0	27.5	41.3



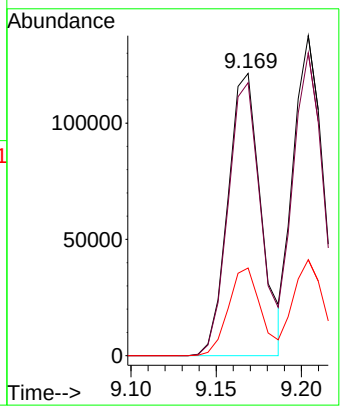


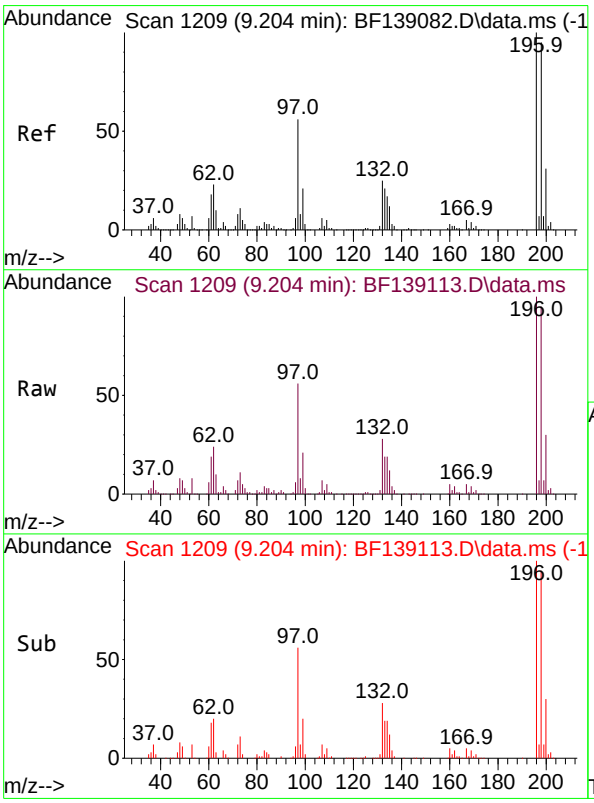
#43
2,4,6-Trichlorophenol
Concen: 43.045 ng
RT: 9.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 164164

Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.4	114.6
200	31.1	23.8	35.8

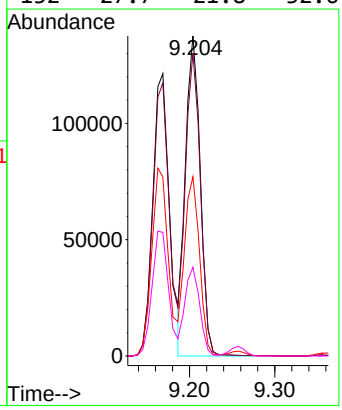


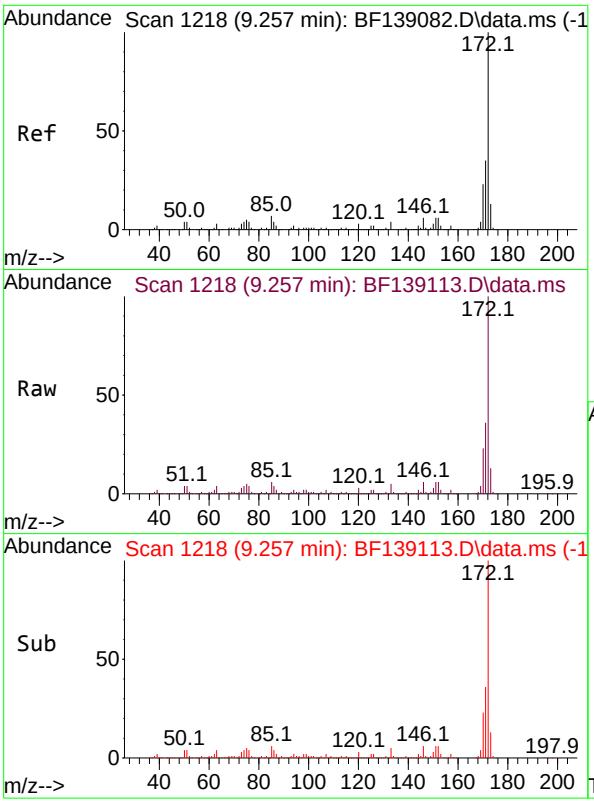


#44
2,4,5-Trichlorophenol
Concen: 42.748 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:196 Resp: 167343

Ion	Ratio	Lower	Upper
196	100		
198	94.7	76.6	114.8
97	56.0	44.6	67.0
132	27.7	21.8	32.6



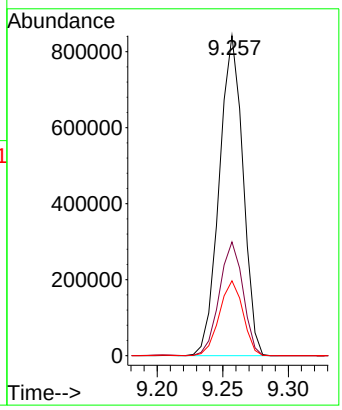


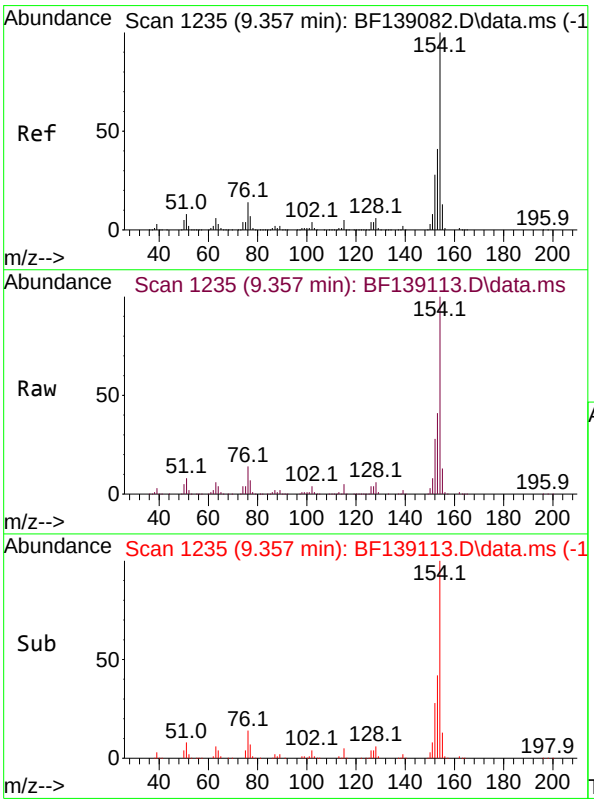
#45
2-Fluorobiphenyl
Concen: 81.324 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1058054

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.4	18.8	28.2

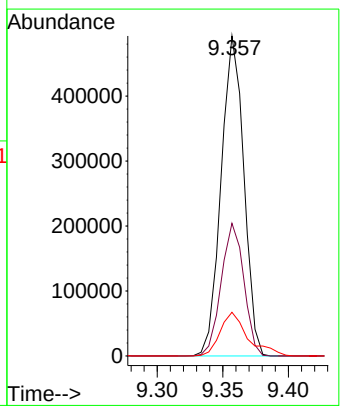


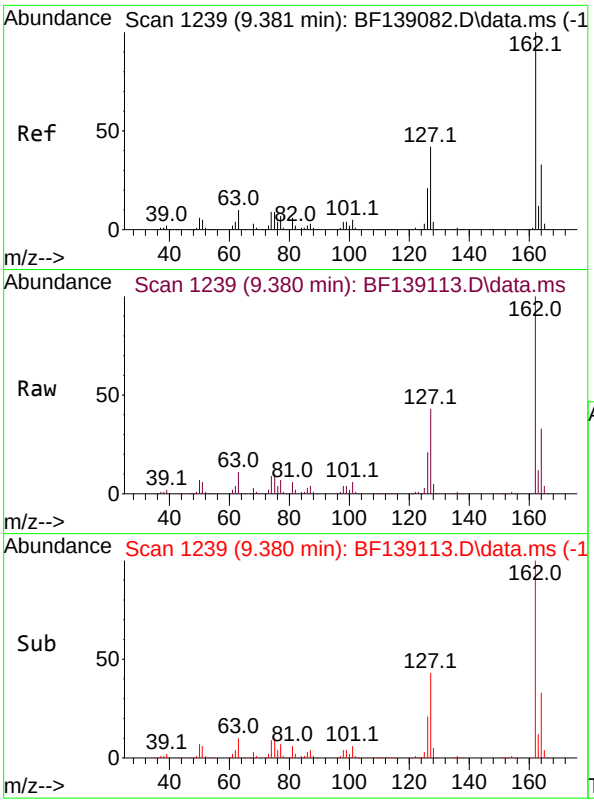


#46
1,1'-Biphenyl
Concen: 41.901 ng
RT: 9.357 min Scan# 1235
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:154 Resp: 592499

Ion	Ratio	Lower	Upper
154	100		
153	41.4	20.6	60.6
76	13.6	0.0	33.6



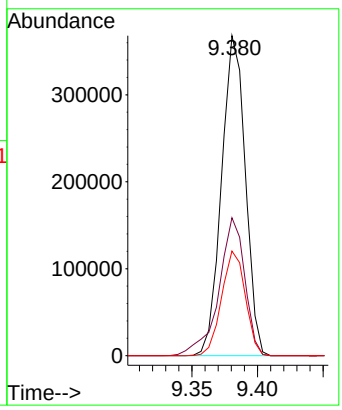


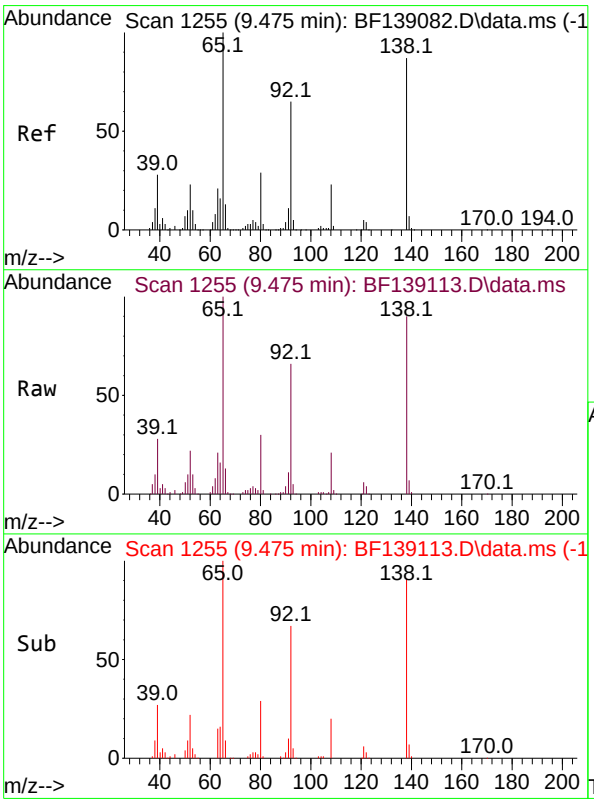
#47
2-Chloronaphthalene
Concen: 40.449 ng
RT: 9.380 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 464740

Ion	Ratio	Lower	Upper
162	100		
127	43.1	33.8	50.6
164	32.7	26.3	39.5

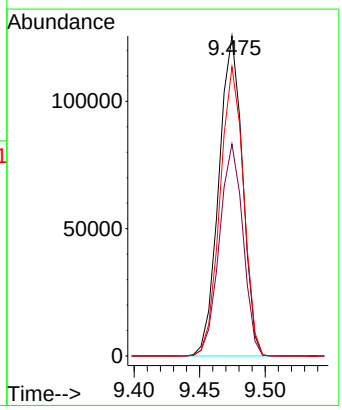


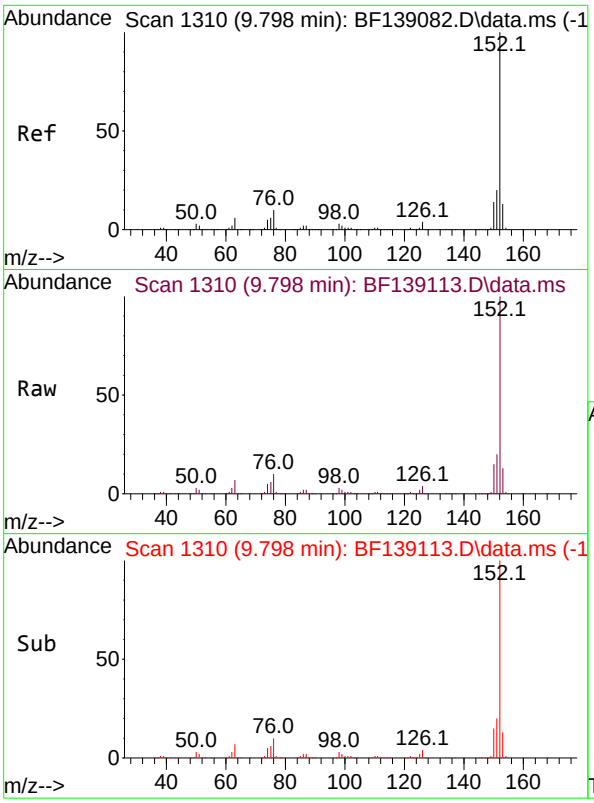


#48
2-Nitroaniline
Concen: 47.900 ng
RT: 9.475 min Scan# 1255
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion: 65 Resp: 157692

Ion	Ratio	Lower	Upper
65	100		
92	66.2	52.4	78.6
138	90.4	69.4	104.0



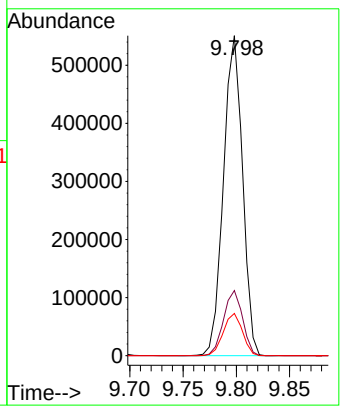


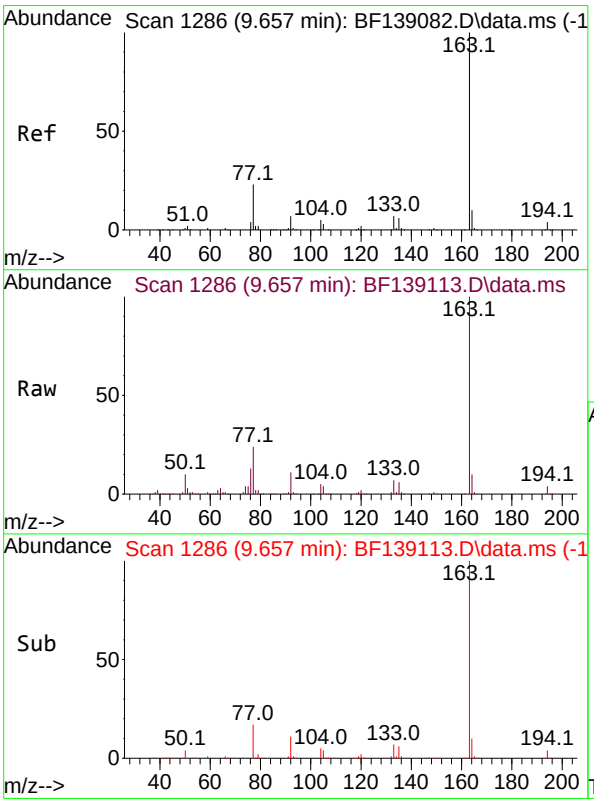
#49
Acenaphthylene
Concen: 41.671 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 685859

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.2	10.6	15.8

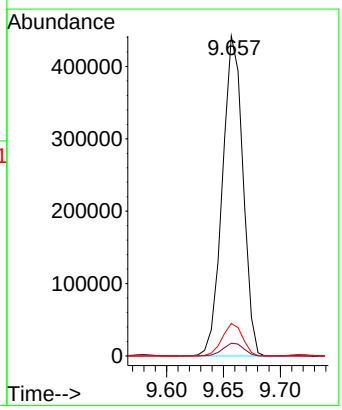


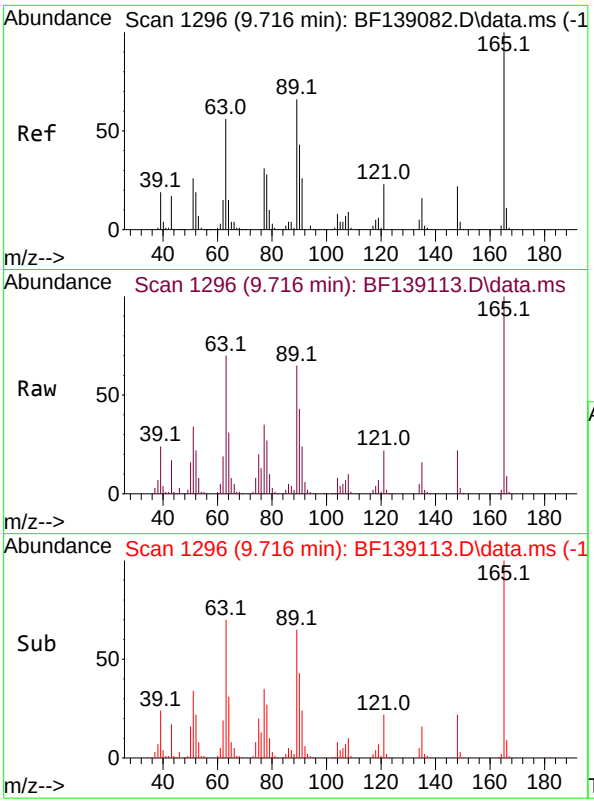


#50
Dimethylphthalate
Concen: 43.698 ng
RT: 9.657 min Scan# 1286
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:163 Resp: 556884

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.2	8.2	12.2



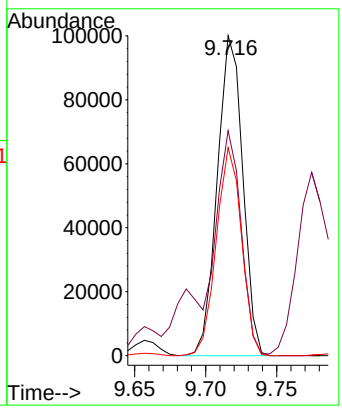


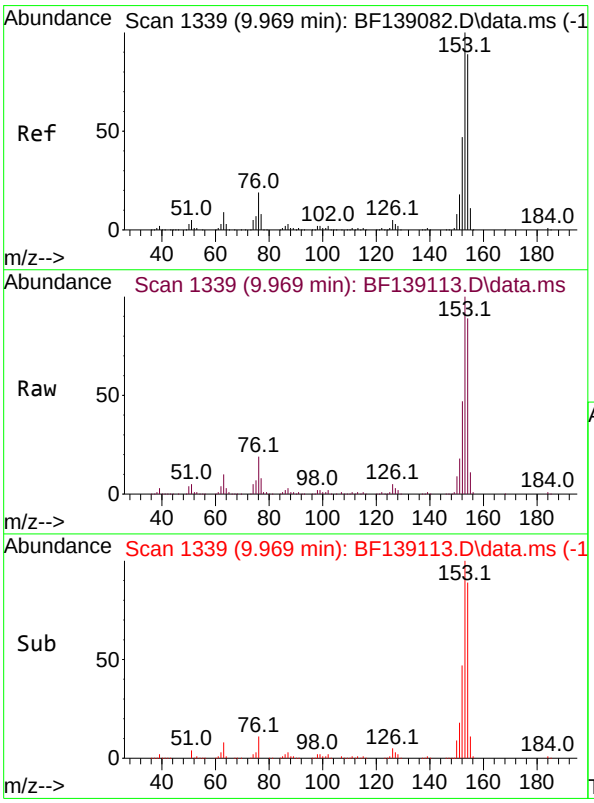
#51
2,6-Dinitrotoluene
Concen: 48.715 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 124713

Ion	Ratio	Lower	Upper
165	100		
63	70.3	58.0	87.0
89	65.0	53.3	79.9

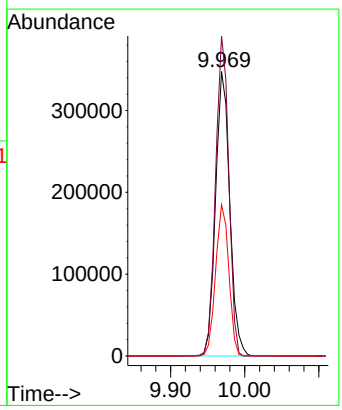


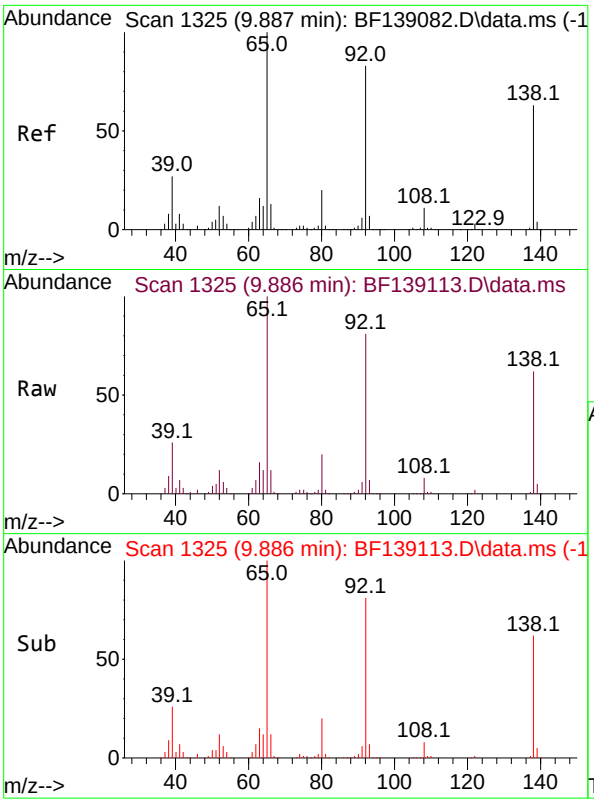


#52
Acenaphthene
Concen: 42.546 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:154 Resp: 462561

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.7	134.5
152	53.2	42.3	63.5



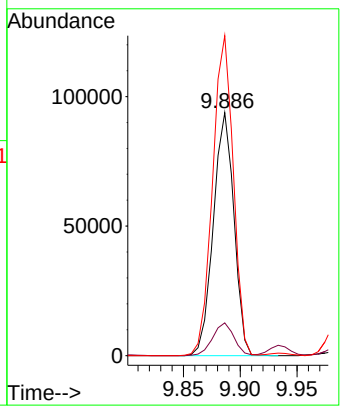


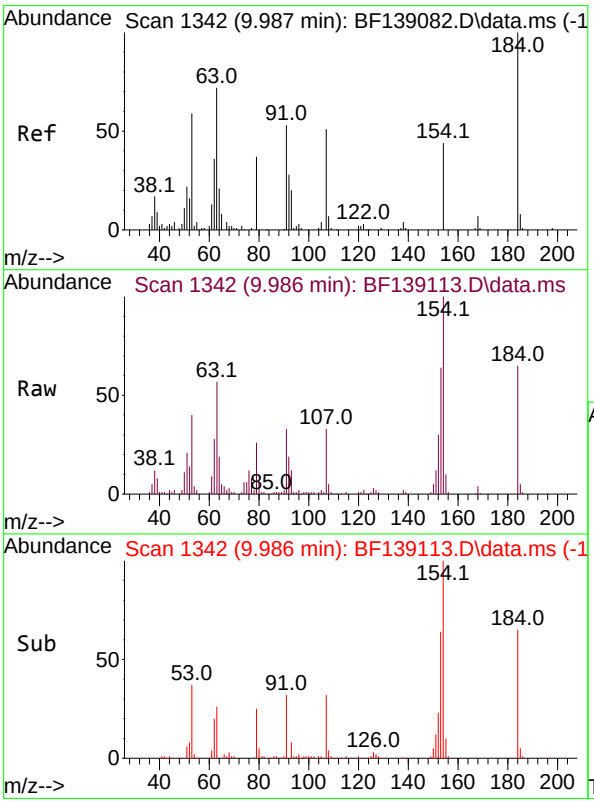
#53
3-Nitroaniline
Concen: 46.014 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 118521

Ion	Ratio	Lower	Upper
138	100		
108	13.5	14.6	21.8#
92	131.7	105.9	158.9

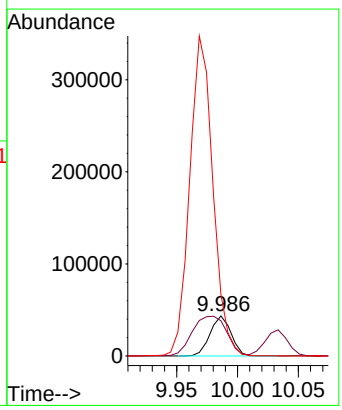


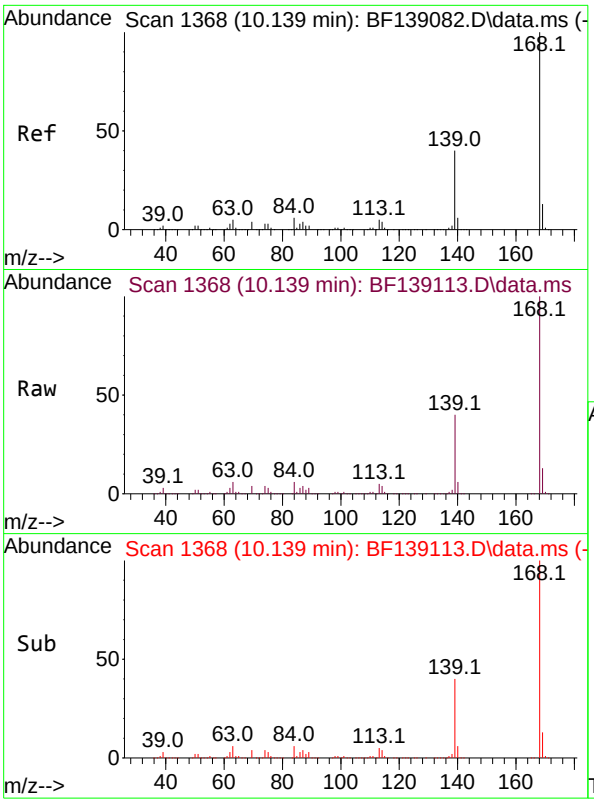


#54
2,4-Dinitrophenol
Concen: 56.704 ng
RT: 9.986 min Scan# 1342
Delta R.T. -0.001 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:184 Resp: 52107

Ion	Ratio	Lower	Upper
184	100		
63	87.9	70.5	105.7
154	153.4	135.0	202.6



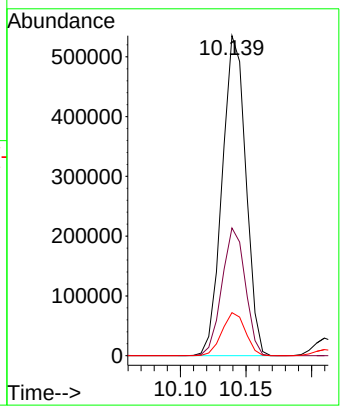


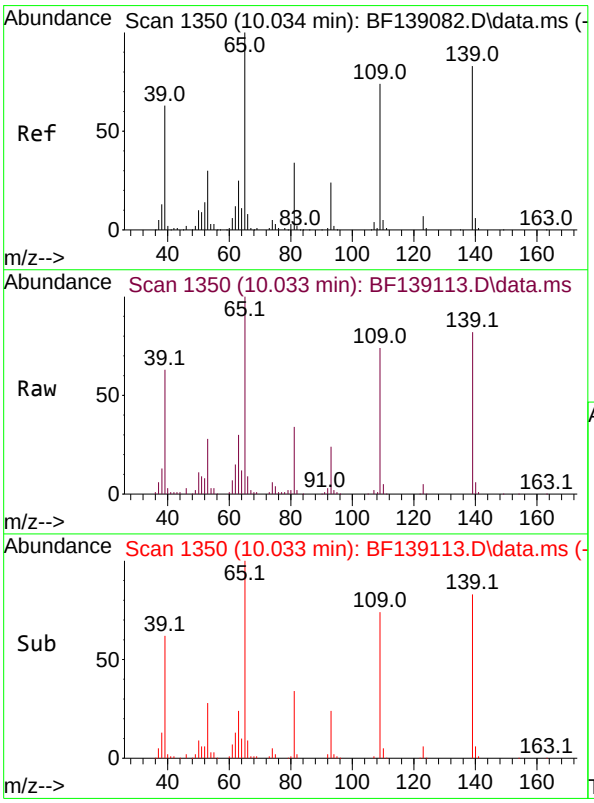
#55
Dibenzofuran
Concen: 42.445 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 670273

Ion	Ratio	Lower	Upper
168	100		
139	39.9	31.6	47.4
169	13.4	10.7	16.1

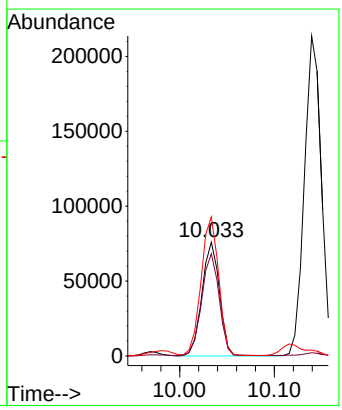


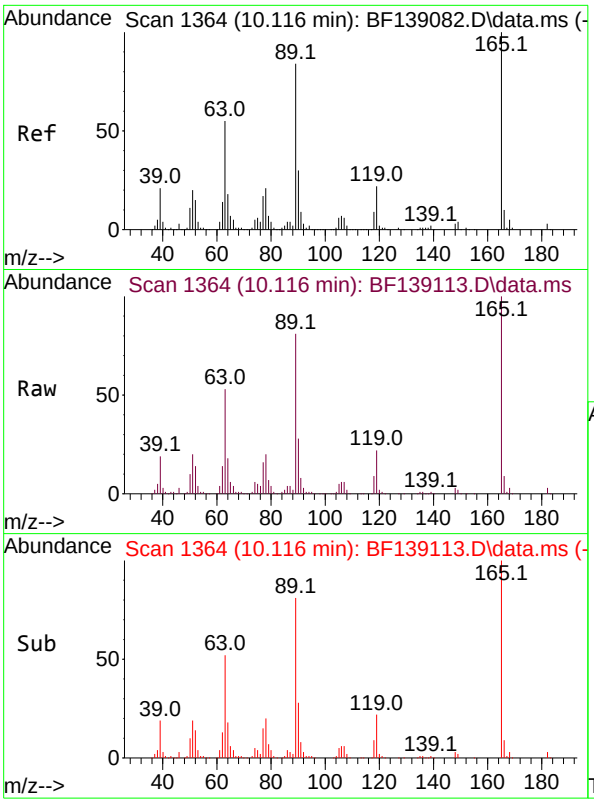


#56
4-Nitrophenol
Concen: 50.759 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.001 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:139 Resp: 97778

Ion	Ratio	Lower	Upper
139	100		
109	90.0	68.8	108.8
65	122.3	101.3	141.3



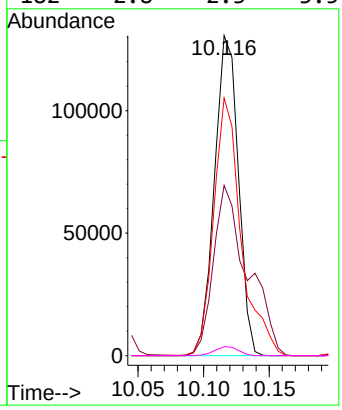


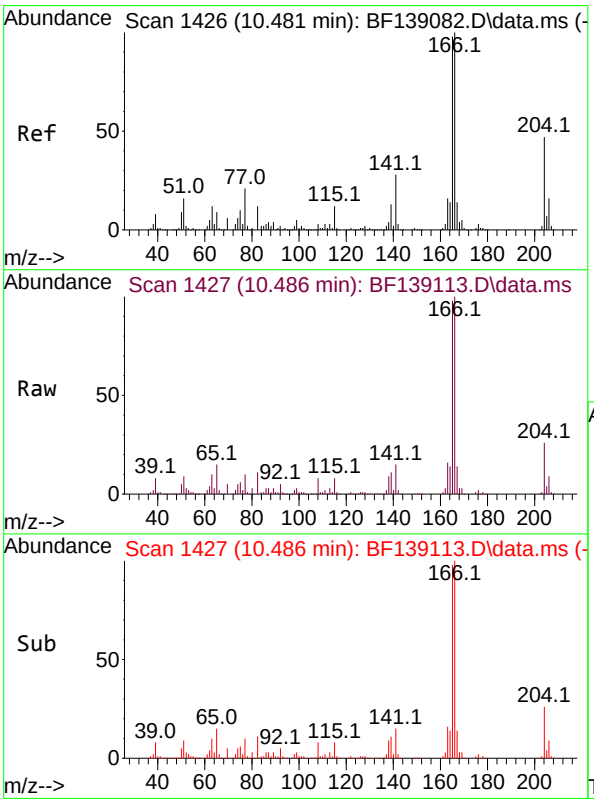
#57
2,4-Dinitrotoluene
Concen: 51.187 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 165368

Ion	Ratio	Lower	Upper
165	100		
63	53.2	44.2	66.4
89	80.5	67.4	101.2
182	2.8	2.3	3.5

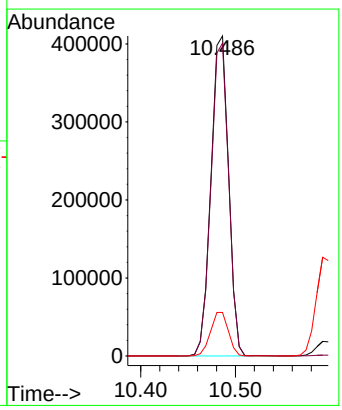


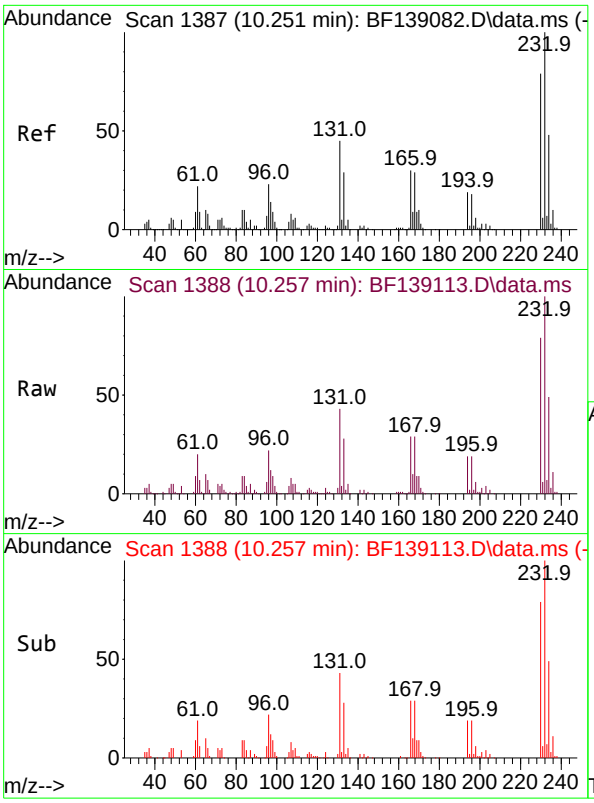


#58
Fluorene
Concen: 42.012 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:166 Resp: 530192

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.0	117.0
167	13.6	11.0	16.4



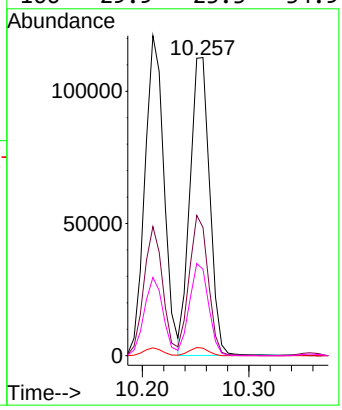


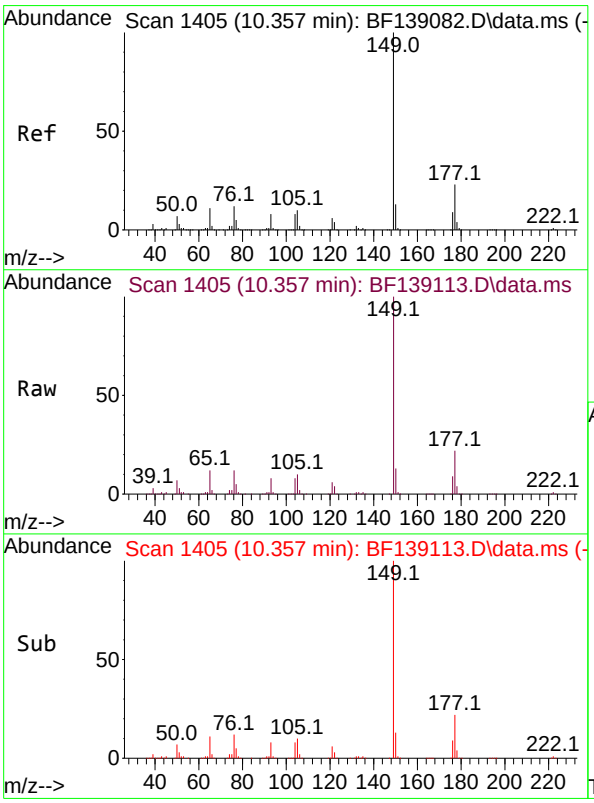
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.105 ng
RT: 10.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 144914

Ion	Ratio	Lower	Upper
232	100		
131	45.3	36.0	54.0
130	2.6	2.0	3.0
166	29.9	23.3	34.9

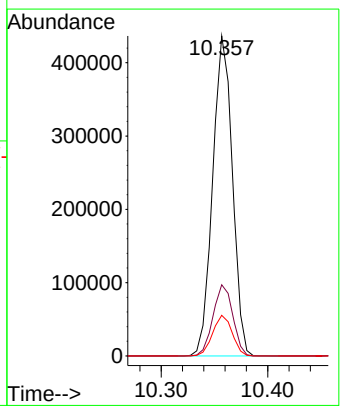


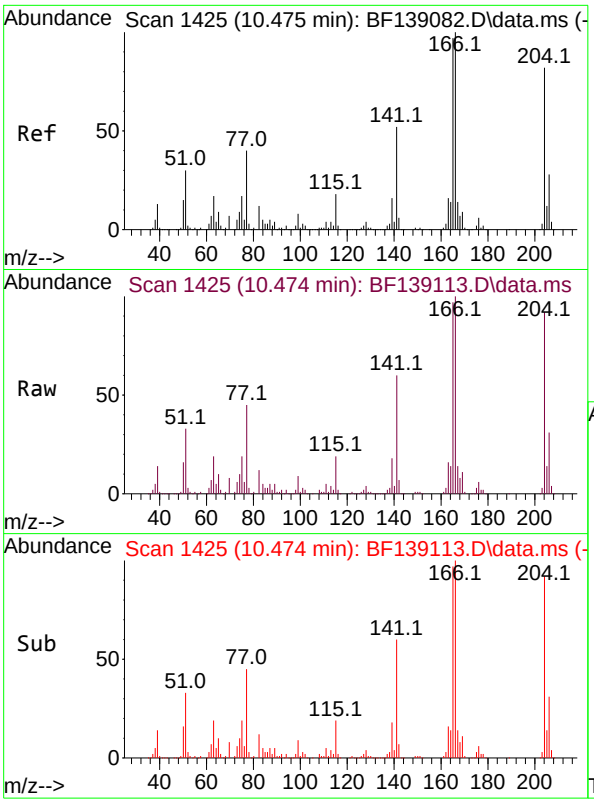


#60
Diethylphthalate
Concen: 44.395 ng
RT: 10.357 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:149 Resp: 560571

Ion	Ratio	Lower	Upper
149	100		
177	22.3	18.4	27.6
150	12.7	10.2	15.2



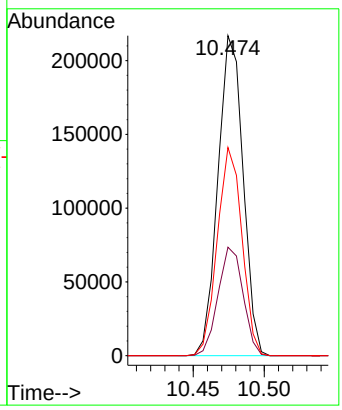


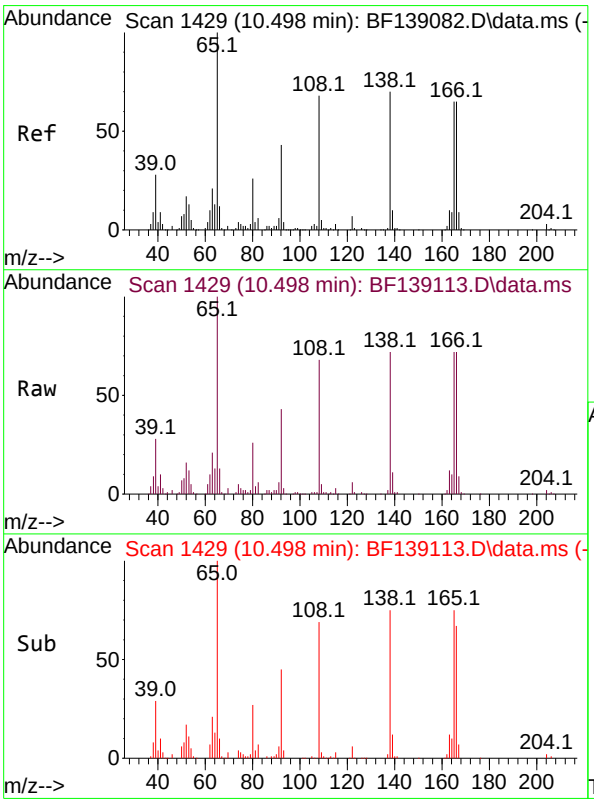
#61
4-Chlorophenyl-phenylether
Concen: 42.308 ng
RT: 10.474 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 266663

Ion	Ratio	Lower	Upper
204	100		
206	33.9	27.0	40.4
141	65.0	50.9	76.3

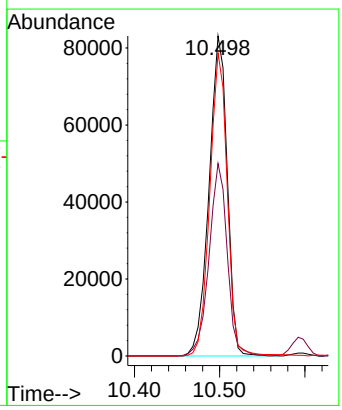


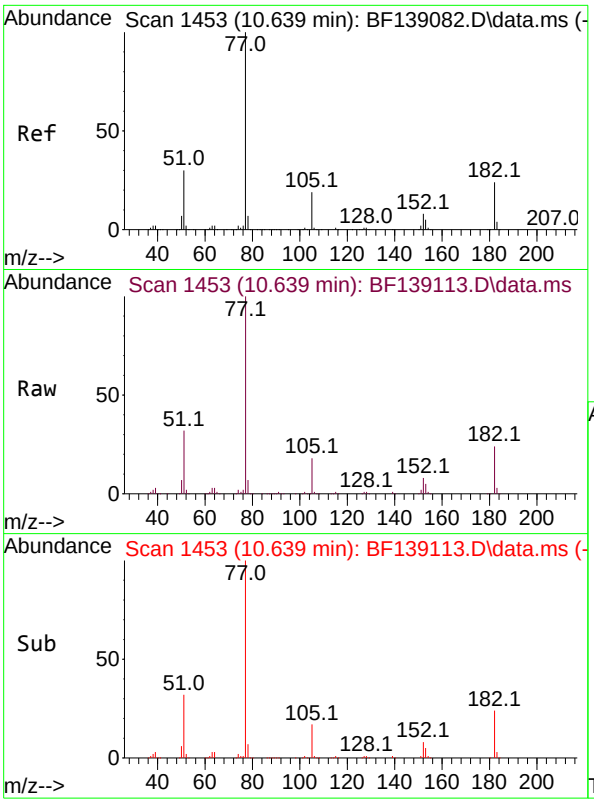


#62
4-Nitroaniline
Concen: 47.251 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:138 Resp: 123431

Ion	Ratio	Lower	Upper
138	100		
92	60.1	41.4	81.4
108	94.7	76.8	116.8



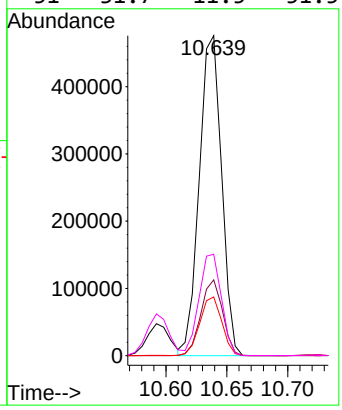


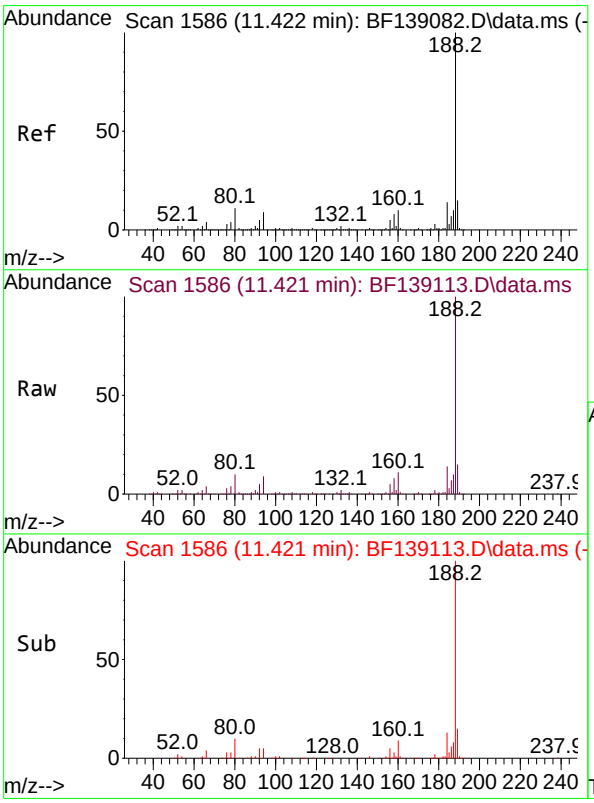
#63
Azobenzene
Concen: 43.180 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 605902

Ion	Ratio	Lower	Upper
77	100		
182	23.7	4.0	44.0
105	18.3	0.0	39.1
51	31.7	11.5	51.5

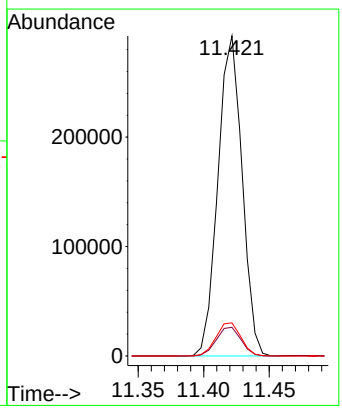


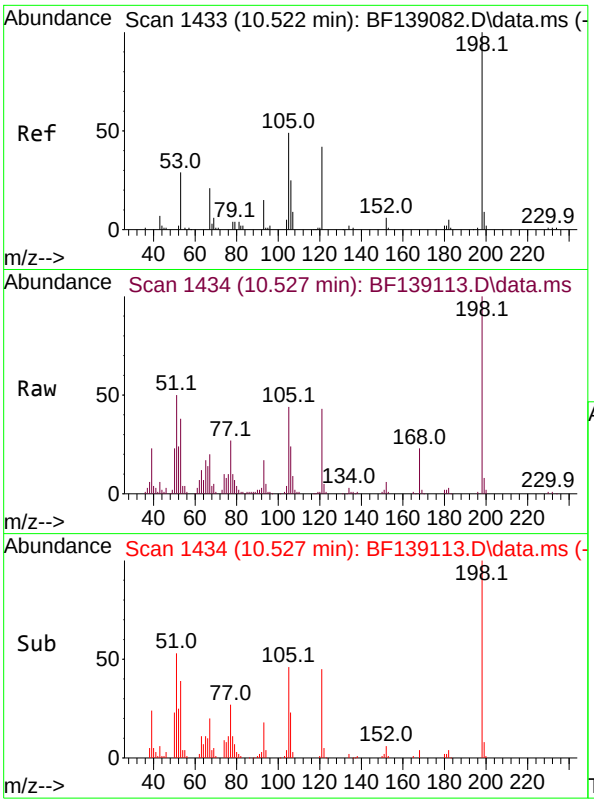


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:188 Resp: 374434

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	10.4	8.5	12.7



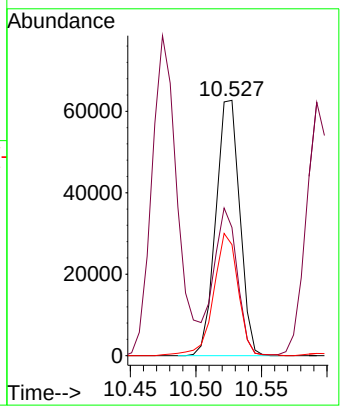


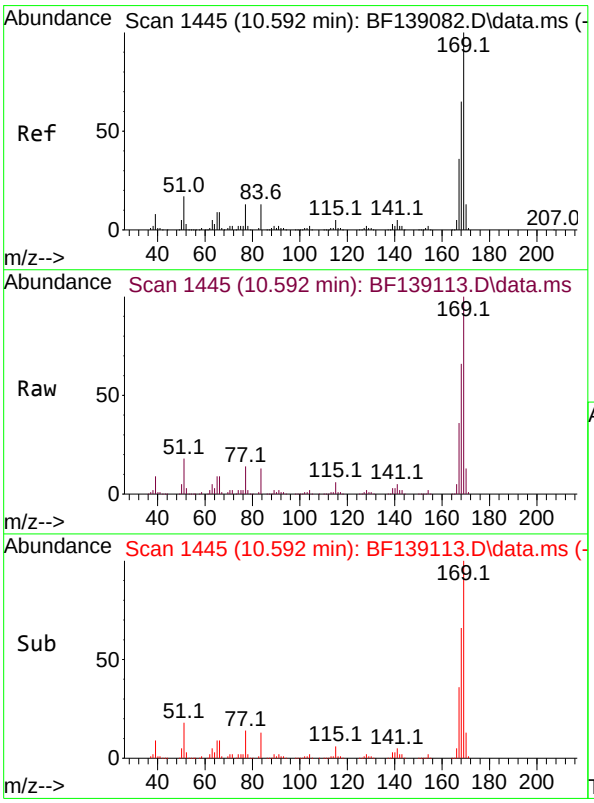
#65
4,6-Dinitro-2-methylphenol
Concen: 55.789 ng
RT: 10.527 min Scan# 14
Delta R.T. 0.005 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 79475

Ion	Ratio	Lower	Upper
198	100		
51	50.2	40.8	80.8
105	43.5	30.9	70.9

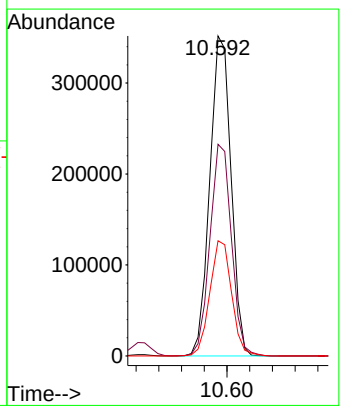


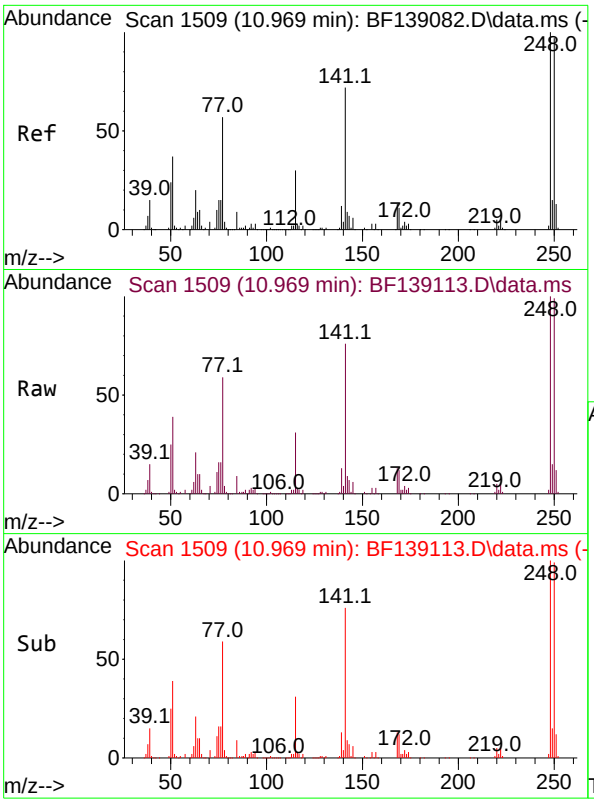


#66
n-Nitrosodiphenylamine
Concen: 41.204 ng
RT: 10.592 min Scan# 1445
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:169 Resp: 456509

Ion	Ratio	Lower	Upper
169	100		
168	66.2	52.4	78.6
167	36.0	28.6	43.0



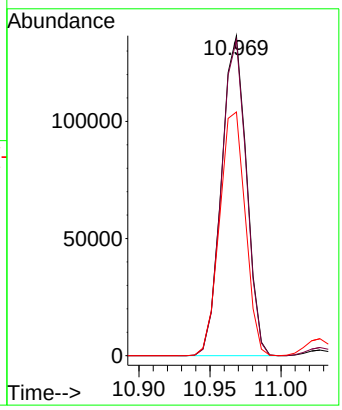


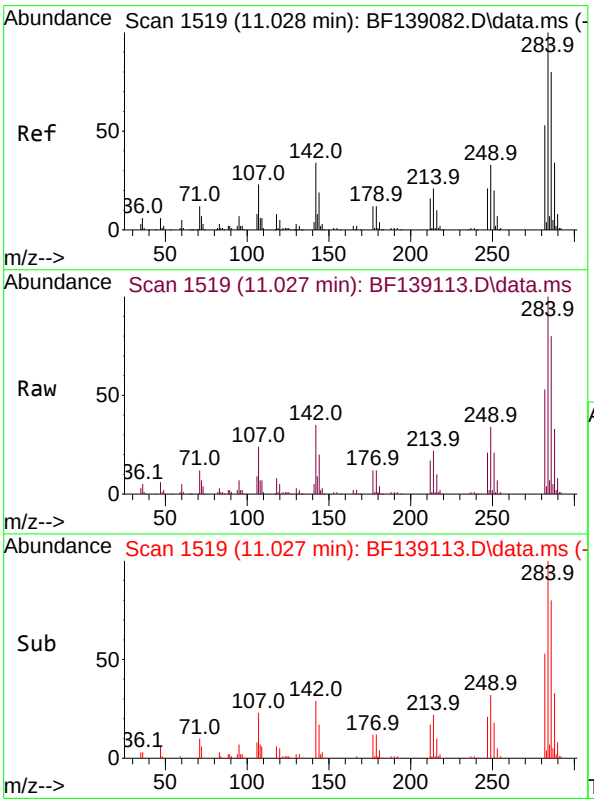
#67
4-Bromophenyl-phenylether
Concen: 42.217 ng
RT: 10.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 167500

Ion	Ratio	Lower	Upper
248	100		
250	98.7	77.8	116.8
141	76.2	57.9	86.9

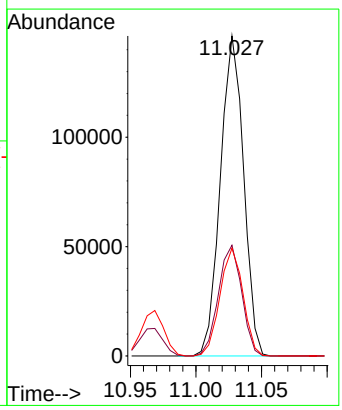


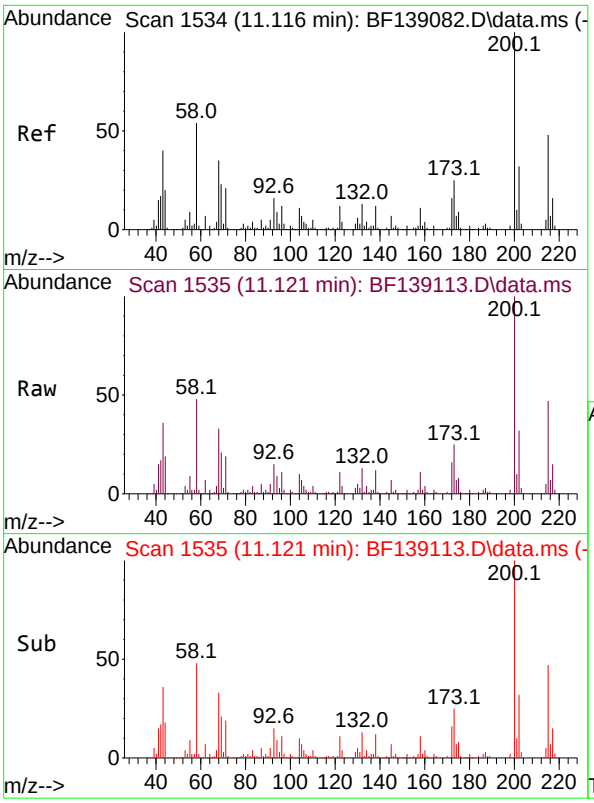


#68
Hexachlorobenzene
Concen: 42.310 ng
RT: 11.027 min Scan# 1519
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:284 Resp: 180097

Ion	Ratio	Lower	Upper
284	100		
142	34.6	27.1	40.7
249	33.6	26.8	40.2



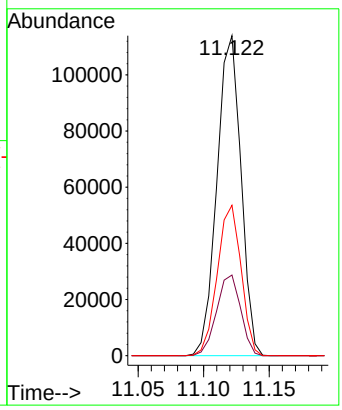


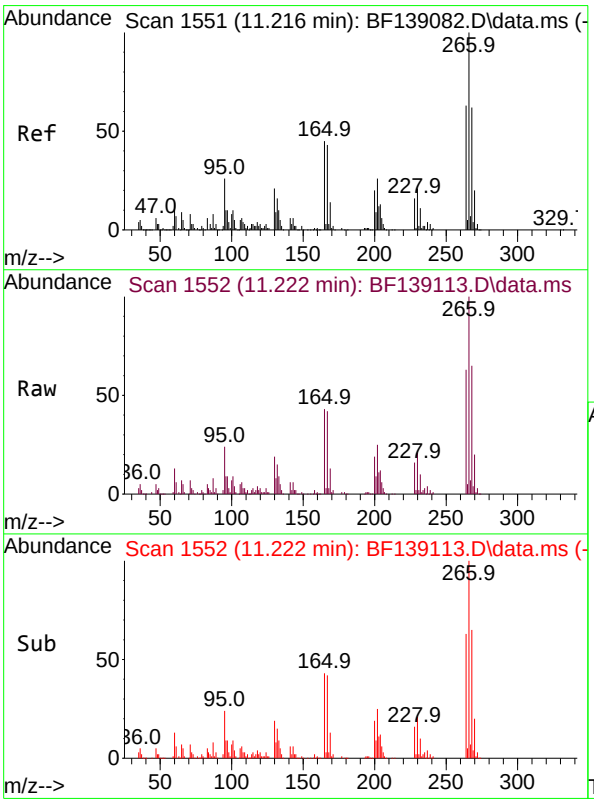
#69
Atrazine
Concen: 42.845 ng
RT: 11.121 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 144972

Ion	Ratio	Lower	Upper
200	100		
173	25.2	5.2	45.2
215	47.0	27.9	67.9

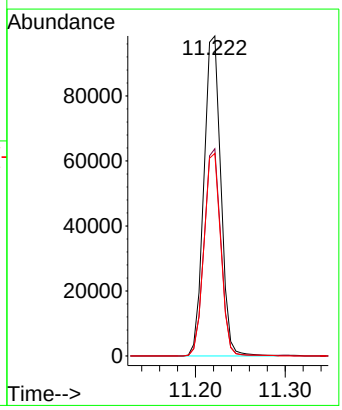


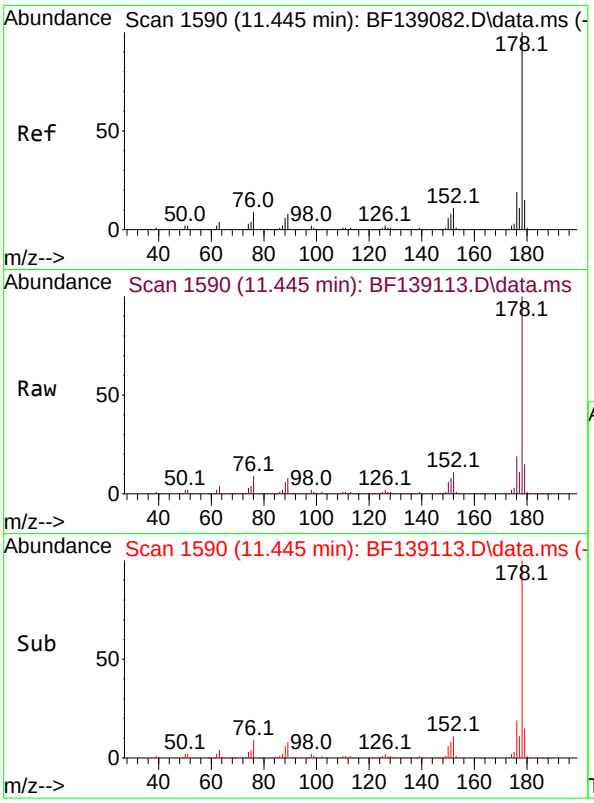


#70
Pentachlorophenol
Concen: 47.403 ng
RT: 11.222 min Scan# 1552
Delta R.T. 0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:266 Resp: 128891

Ion	Ratio	Lower	Upper
266	100		
268	64.8	49.5	74.3
264	63.3	50.0	75.0



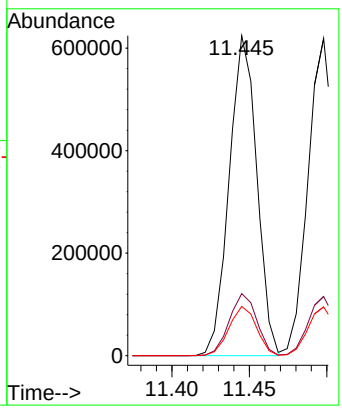


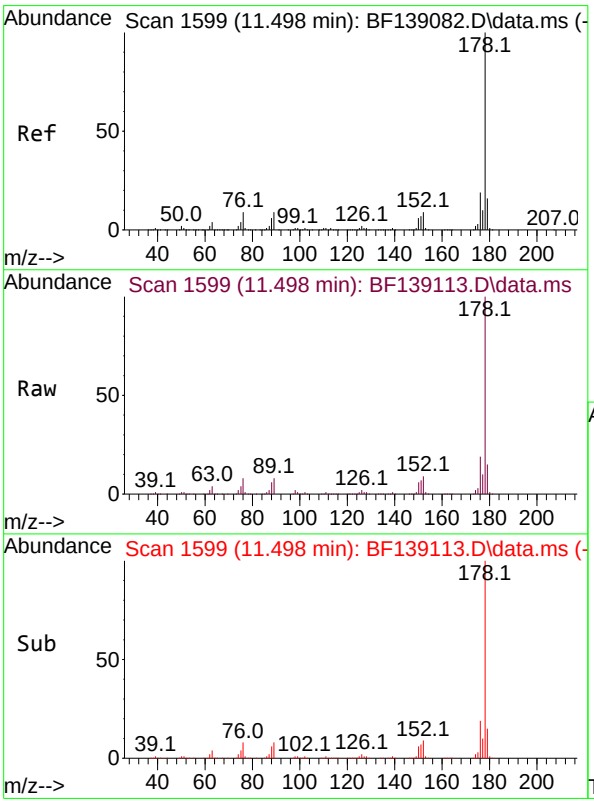
#71
Phenanthrene
Concen: 40.630 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 773264

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.4	12.3	18.5

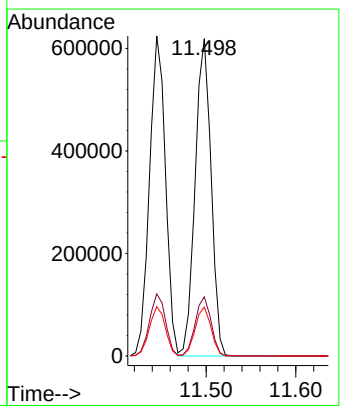


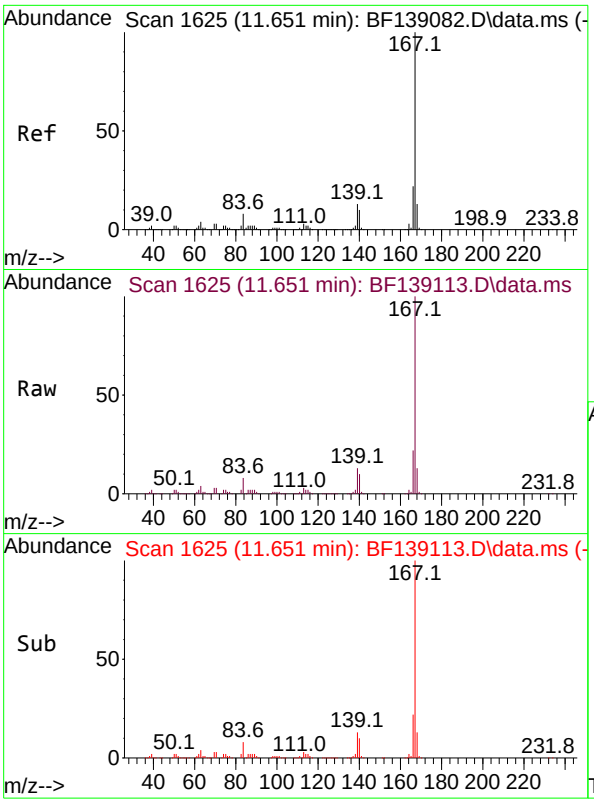


#72
Anthracene
Concen: 41.029 ng
RT: 11.498 min Scan# 1599
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:178 Resp: 763654

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.4	12.4	18.6



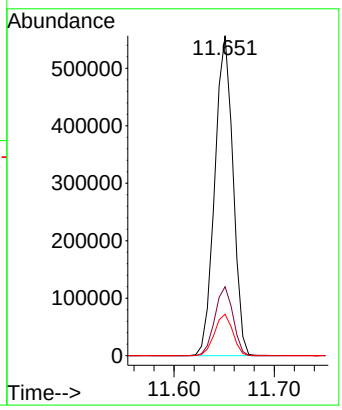


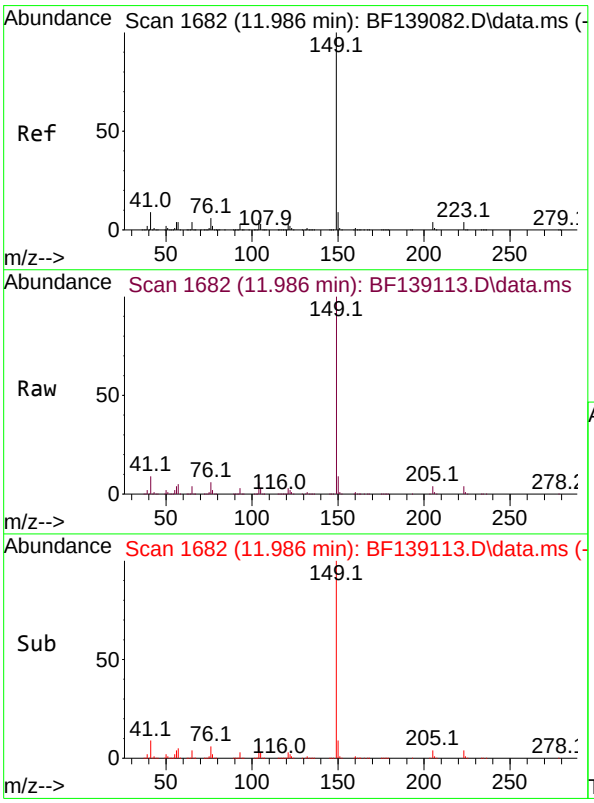
#73
Carbazole
Concen: 40.313 ng
RT: 11.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 700649

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.3	25.9
139	13.0	10.5	15.7

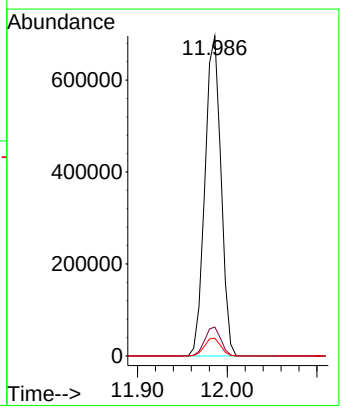


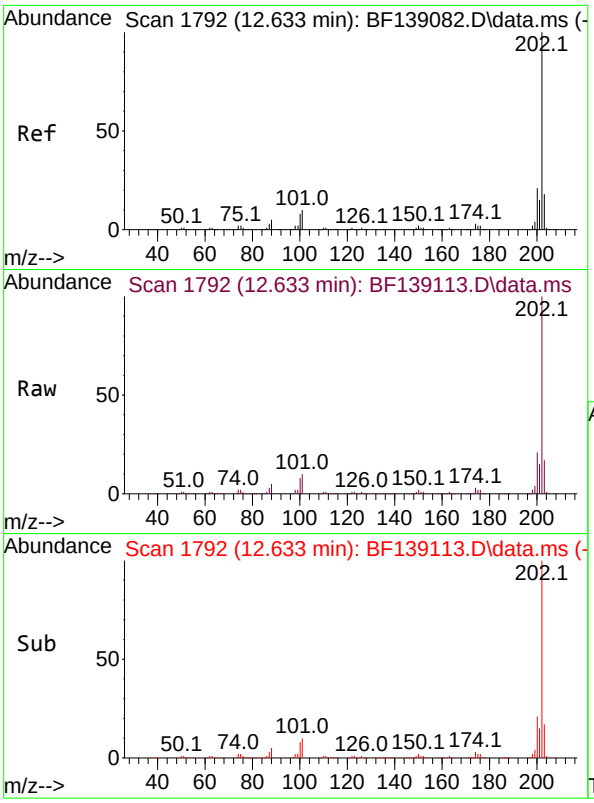


#74
Di-n-butylphthalate
Concen: 42.761 ng
RT: 11.986 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:149 Resp: 861743

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	5.6	4.3	6.5



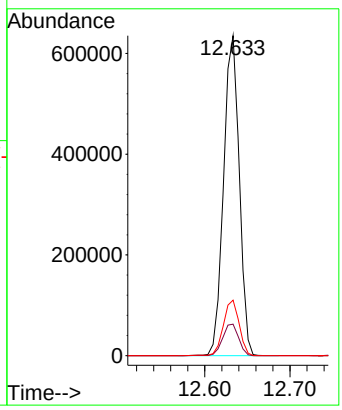


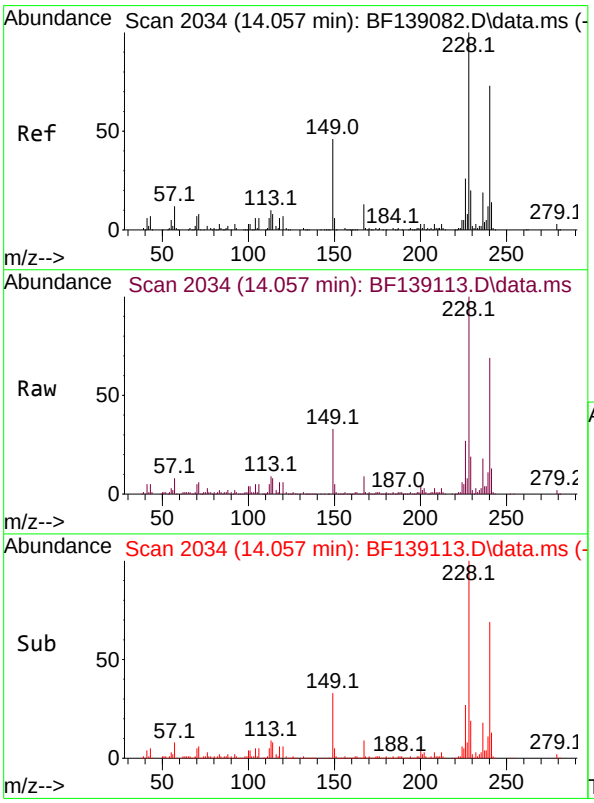
#75
Fluoranthene
Concen: 40.009 ng
RT: 12.633 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 812716

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.2
203	17.3	0.0	37.6

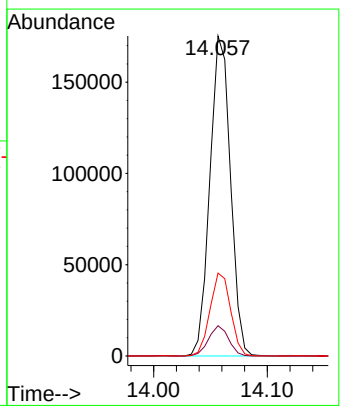


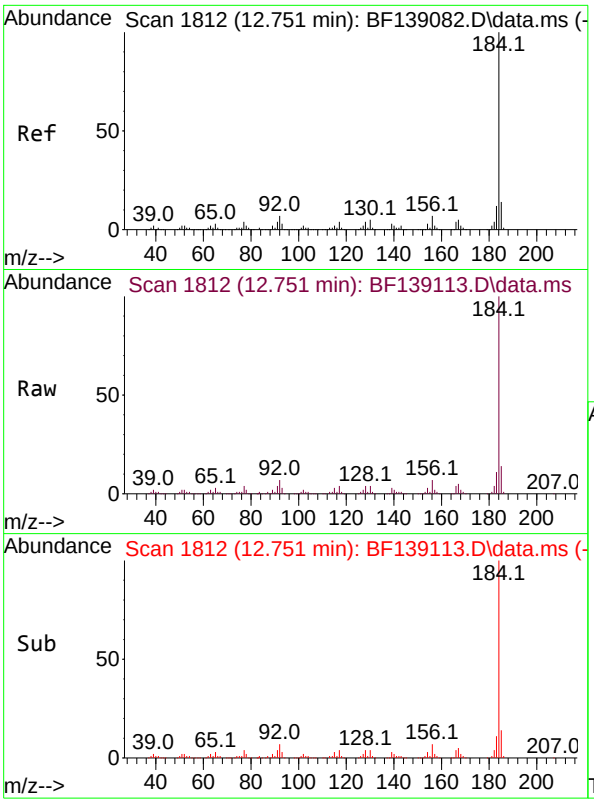


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:240 Resp: 220430

Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.8	11.6
236	25.9	20.9	31.3



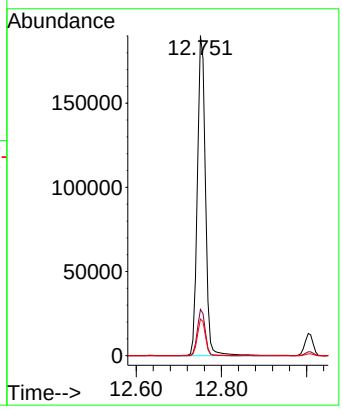


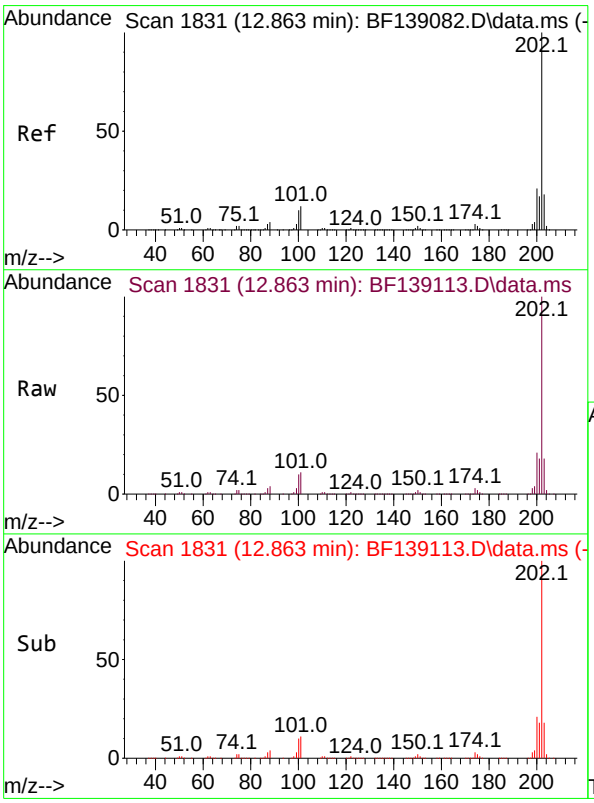
#77
Benzidine
Concen: 54.783 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 249442

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.5	17.3
183	11.4	9.8	14.6

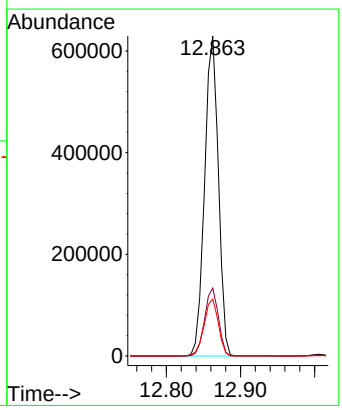


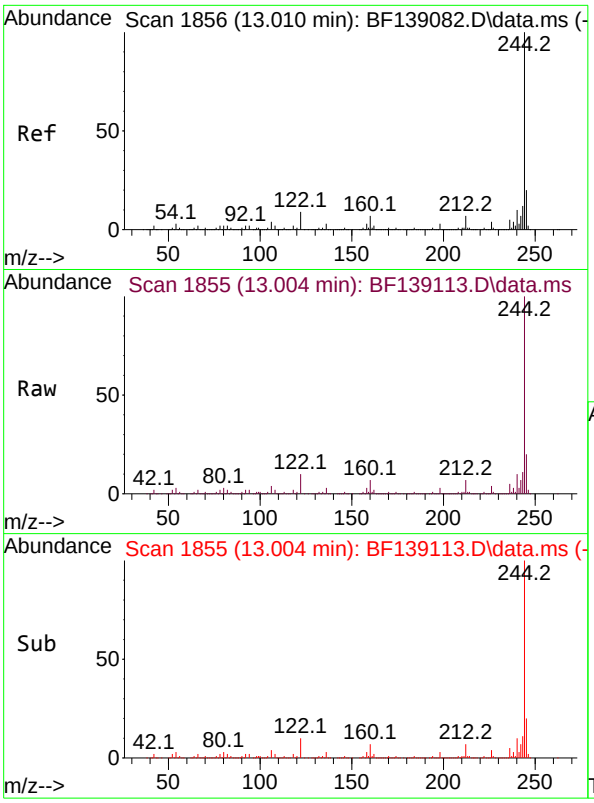


#78
Pyrene
Concen: 44.155 ng
RT: 12.863 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:202 Resp: 812250

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.6
203	17.8	14.1	21.1



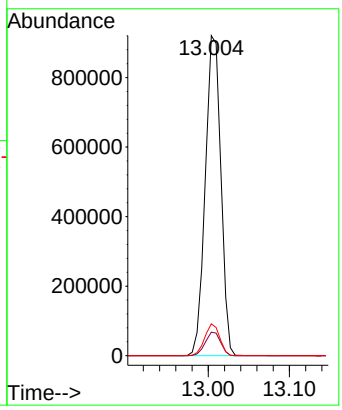


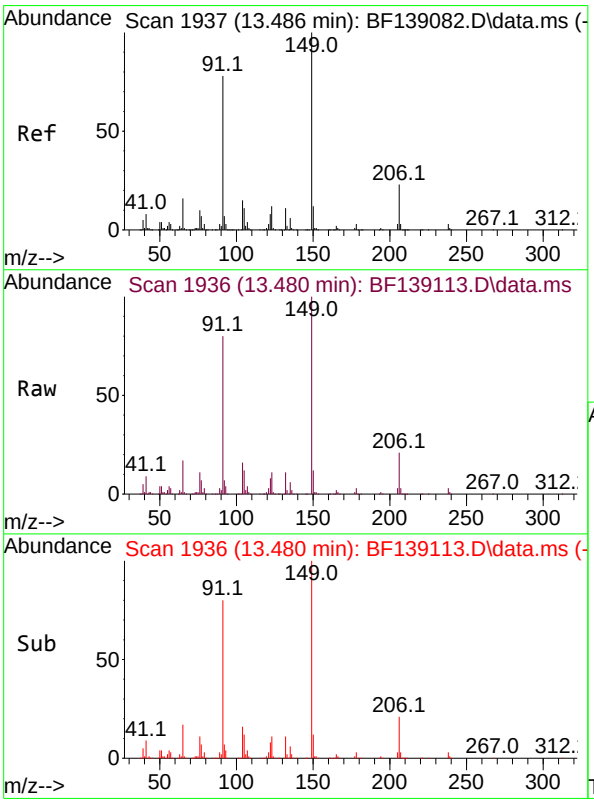
#79
Terphenyl-d14
Concen: 92.249 ng
RT: 13.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1225485

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.9	7.6	11.4

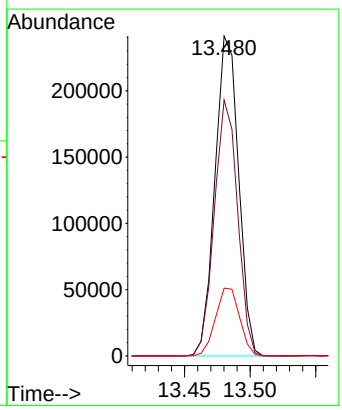


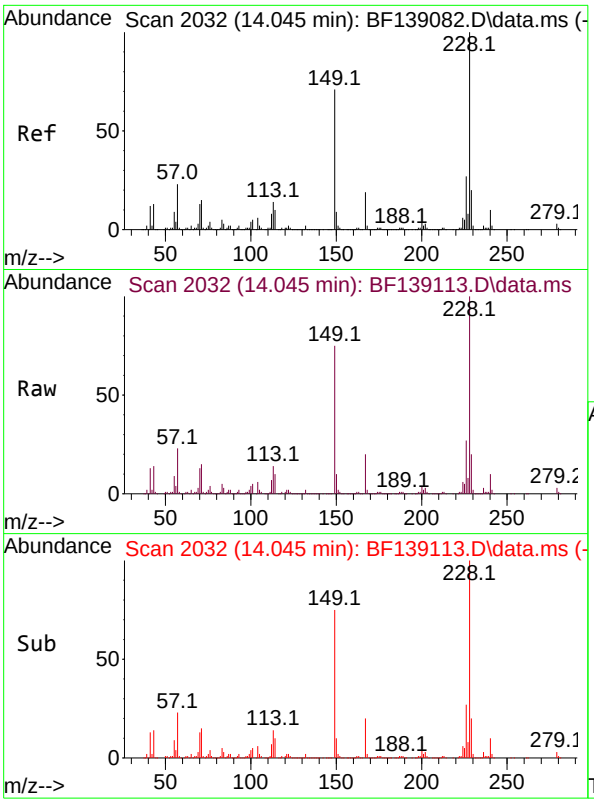


#80
Butylbenzylphthalate
Concen: 47.527 ng
RT: 13.480 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:149 Resp: 302466

Ion	Ratio	Lower	Upper
149	100		
91	80.0	62.1	93.1
206	21.2	18.0	27.0



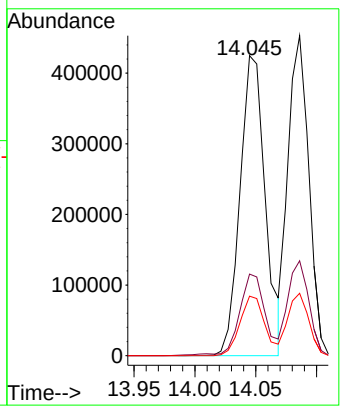


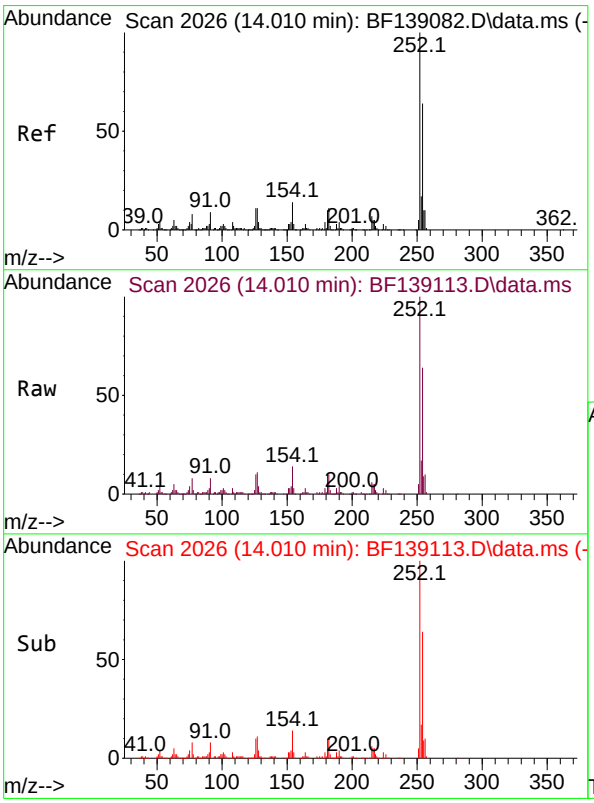
#81
Benzo(a)anthracene
Concen: 42.302 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 612966

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	19.8	16.1	24.1

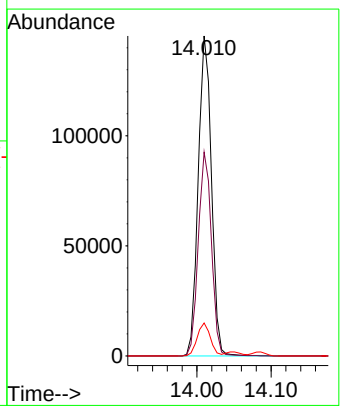


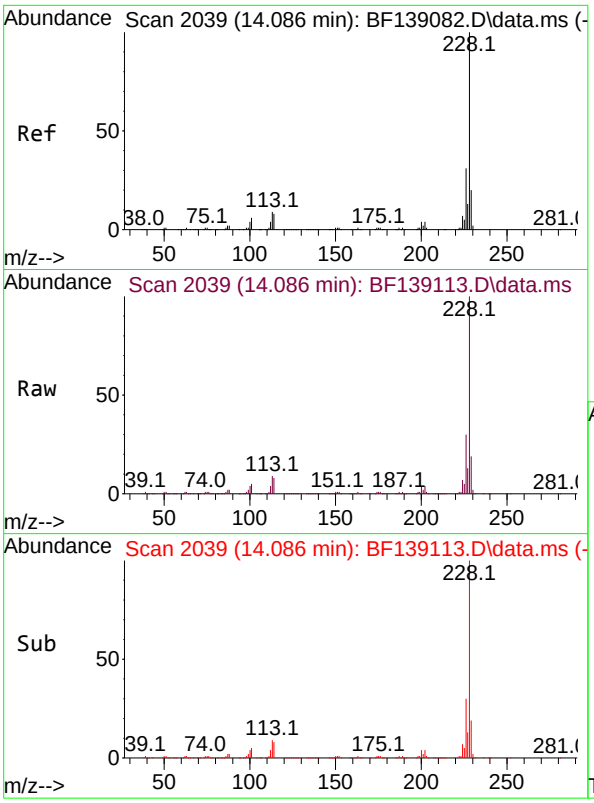


#82
3,3'-Dichlorobenzidine
Concen: 44.421 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:252 Resp: 179919

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.4	77.0
126	10.3	8.6	12.8



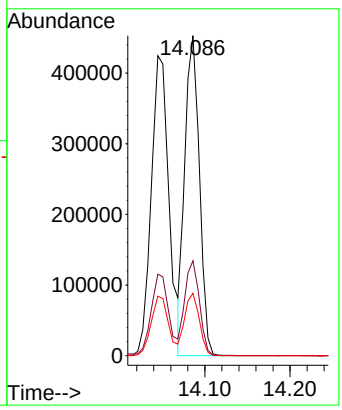


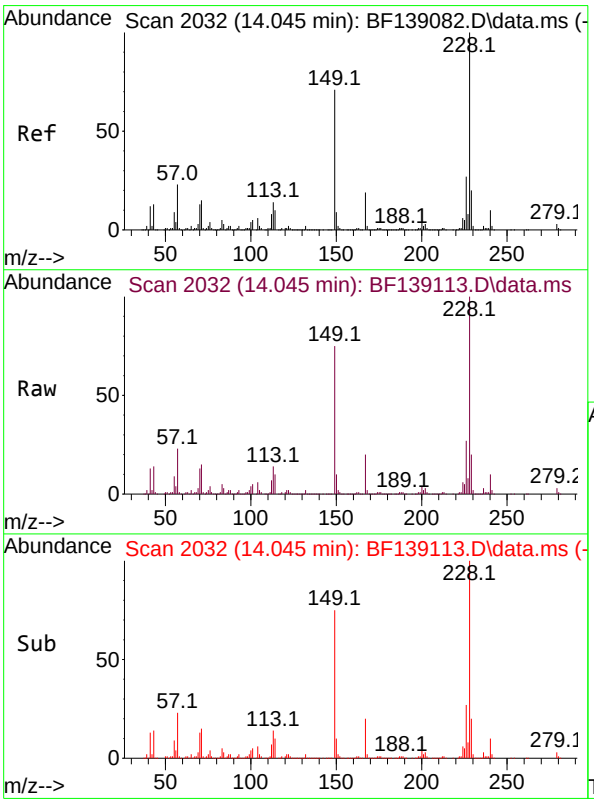
#83
Chrysene
Concen: 41.110 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 539940

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.3	36.5
229	19.5	15.8	23.8

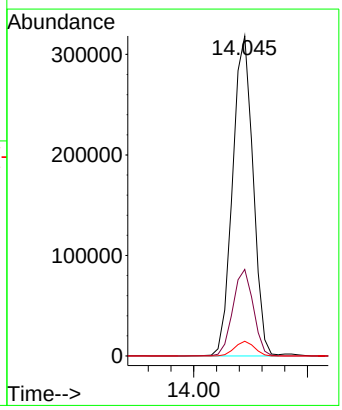


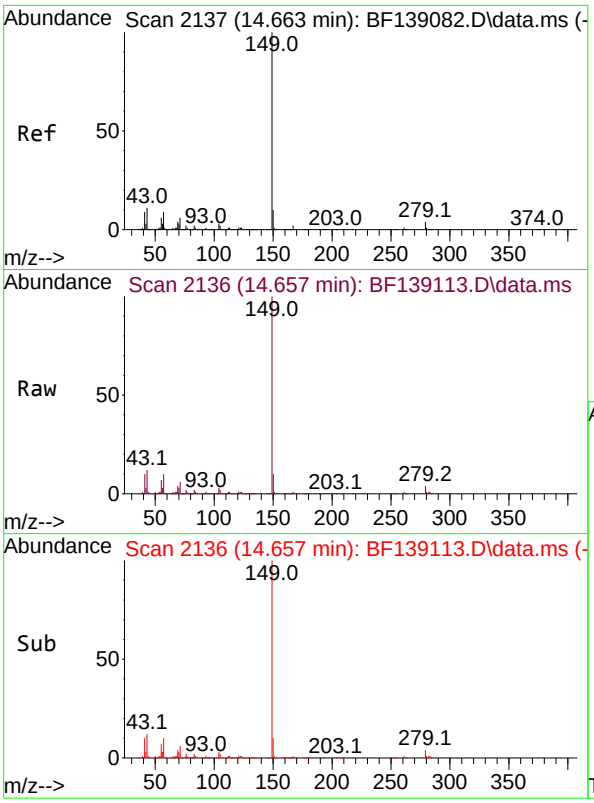


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.092 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:149 Resp: 397307

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.8	32.6
279	4.6	3.5	5.3



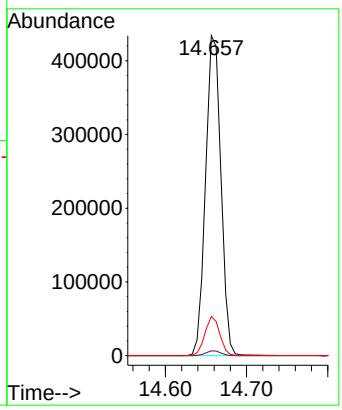


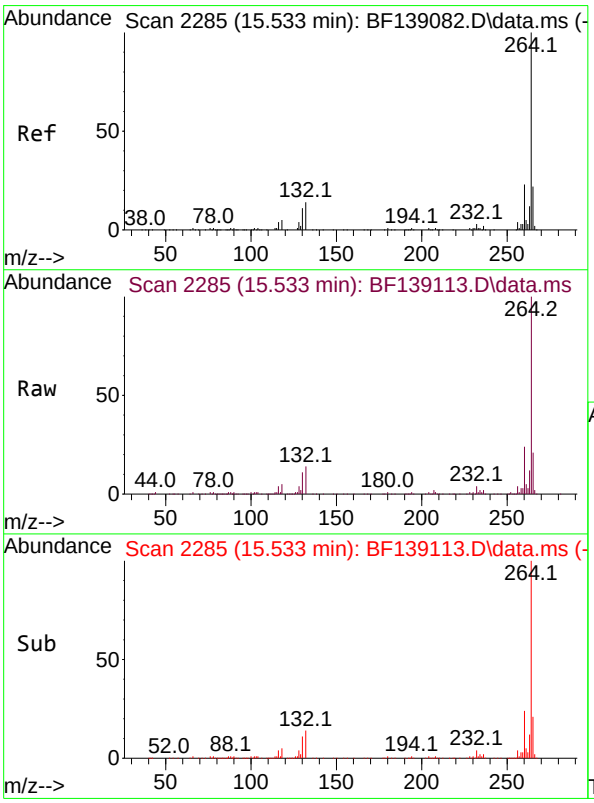
#85
Di-n-octyl phthalate
Concen: 48.032 ng
RT: 14.657 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 568765

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	11.9	9.6	14.4

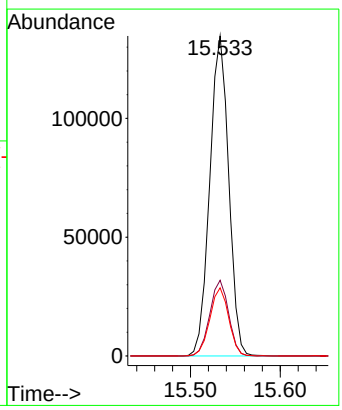


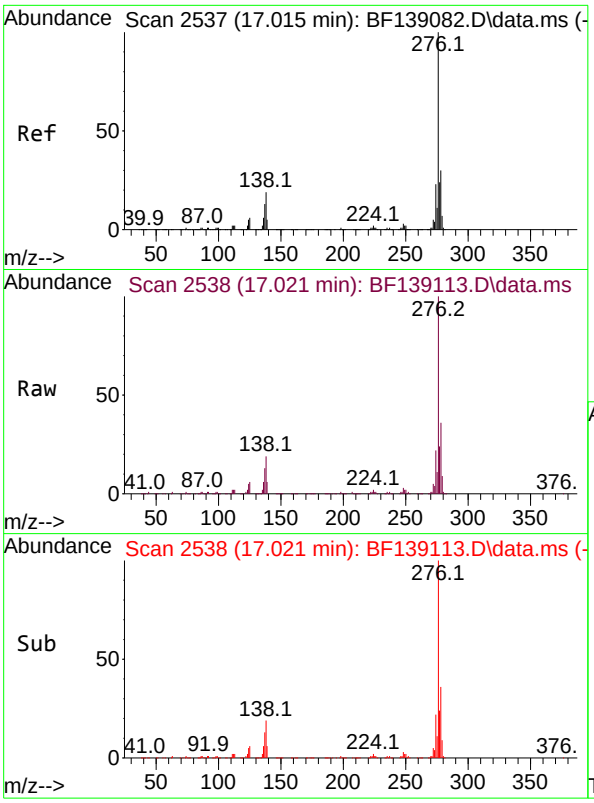


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:264 Resp: 197324

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	21.3	17.4	26.2



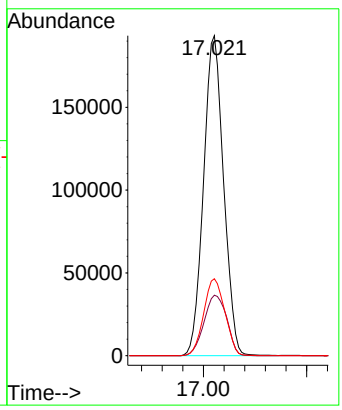


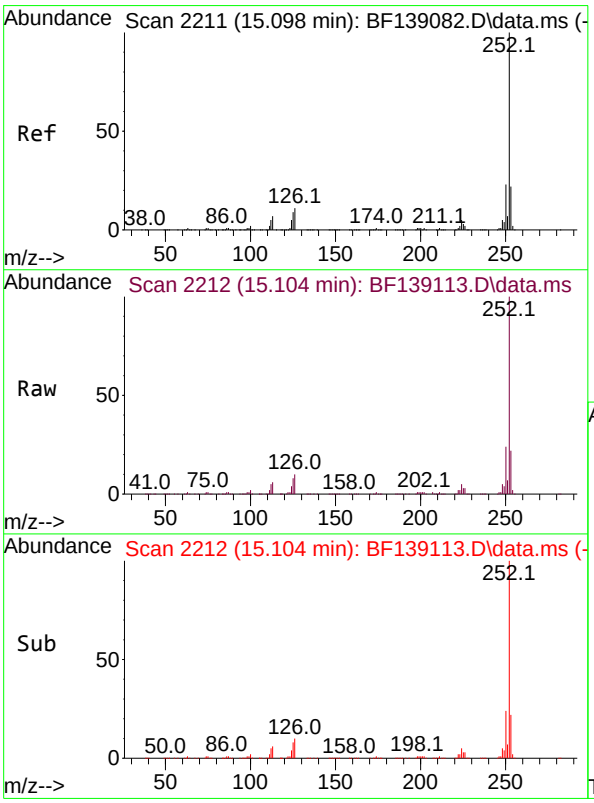
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.057 ng
RT: 17.021 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 520345

Ion	Ratio	Lower	Upper
276	100		
138	21.5	17.3	25.9
277	25.4	20.2	30.4

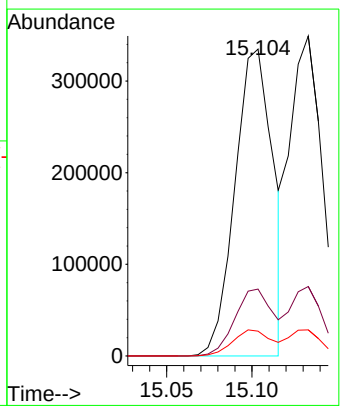


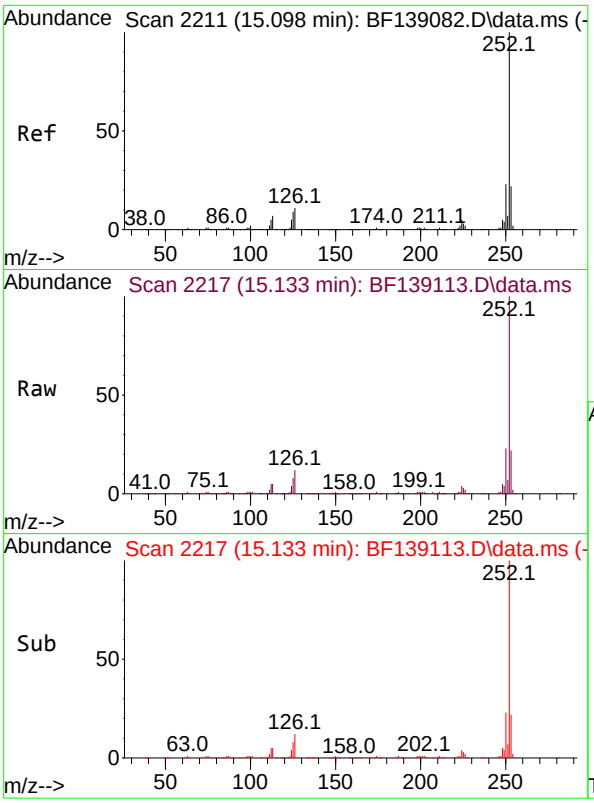


#88
Benzo(b)fluoranthene
Concen: 40.329 ng
RT: 15.104 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:252 Resp: 518806

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	8.1	7.0	10.6



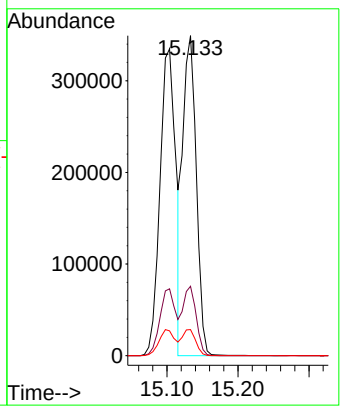


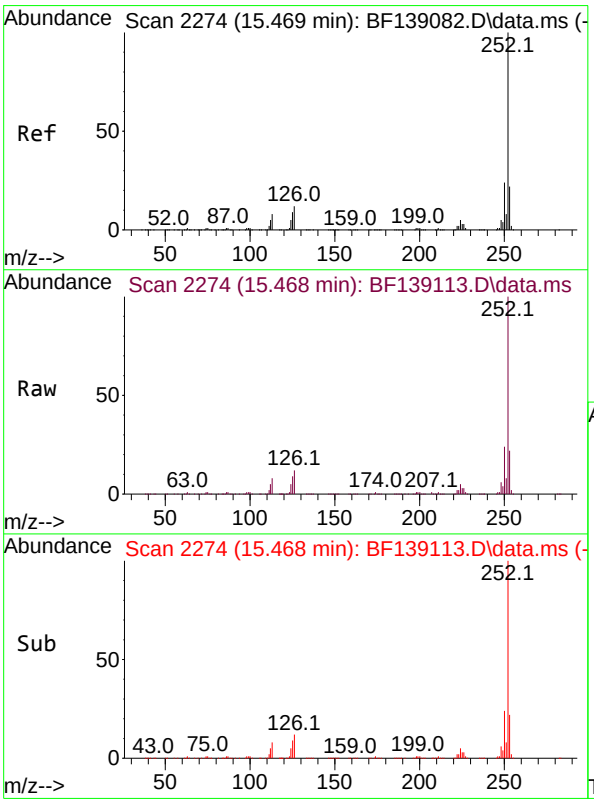
#89
Benzo(k)fluoranthene
Concen: 42.972 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 460417

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	8.2	7.0	10.6

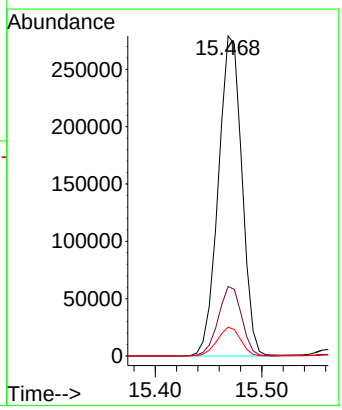


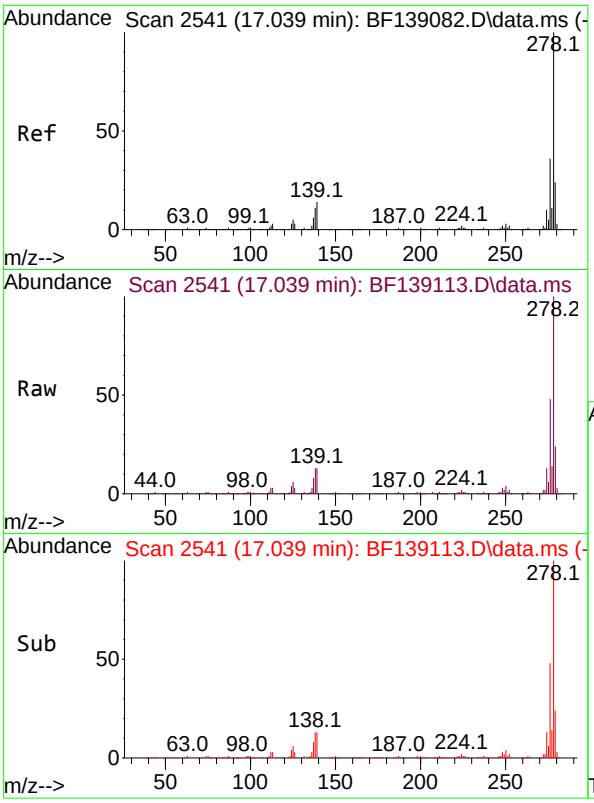


#90
Benzo(a)pyrene
Concen: 42.171 ng
RT: 15.468 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:252 Resp: 428665

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	9.0	7.4	11.2



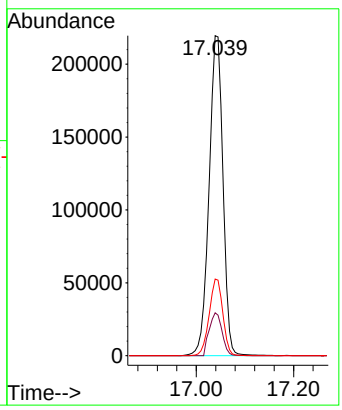


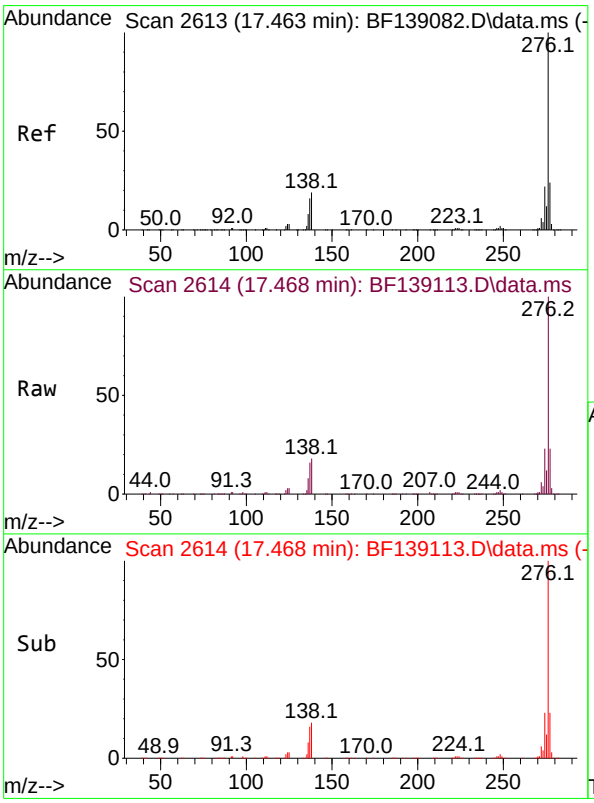
#91
Dibenzo(a,h)anthracene
Concen: 45.754 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 433744

Ion	Ratio	Lower	Upper
278	100		
139	13.4	10.8	16.2
279	24.0	19.2	28.8

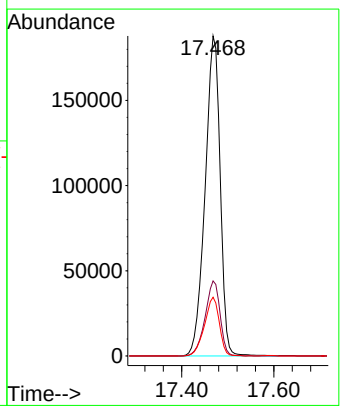




#92
Benzo(g,h,i)perylene
Concen: 39.972 ng
RT: 17.468 min Scan# 2614
Delta R.T. 0.005 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:276 Resp: 427561

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	18.4	15.0	22.4



Sample Results: **BF139113.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139113.D
Acq On : 22 Aug 2024 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 11:00:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 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	80	0.00
2		1,4-Dioxane	0.558	0.567	-1.6	82	0.00
3		Pyridine	1.417	1.467	-3.5	86	0.00
4		n-Nitrosodimethylamine	0.856	0.835	2.5	84	0.00
5	S	2-Fluorophenol	1.300	1.302	-0.2	85	0.00
6		Aniline	1.516	1.618	-6.7	85	0.00
7	S	Phenol-d6	1.680	1.722	-2.5	85	0.00
8		2-Chlorophenol	1.250	1.281	-2.5	86	0.00
9		Benzaldehyde	0.985	1.023	-3.9	89	0.00
10	C	Phenol	1.748	1.829	-4.6	85	0.00
11		bis(2-Chloroethyl)ether	1.406	1.318	6.3	83	0.00
12		1,3-Dichlorobenzene	1.503	1.526	-1.5	85	0.00
13	C	1,4-Dichlorobenzene	1.503	1.530	-1.8	85	0.00
14		1,2-Dichlorobenzene	1.374	1.433	-4.3	85	0.00
15		Benzyl Alcohol	1.328	1.390	-4.7	87	0.00
16		2,2'-oxybis(1-Chloropropane	1.980	1.907	3.7	82	0.00
17		2-Methylphenol	1.070	1.104	-3.2	86	0.00
18		Hexachloroethane	0.527	0.545	-3.4	86	0.00
19	P	n-Nitroso-di-n-propylamine	1.103	1.099	0.4	87	0.00
20		3+4-Methylphenols	1.386	1.446	-4.3	86	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	82	0.00
22		Acetophenone	0.511	0.529	-3.5	86	0.00
23	S	Nitrobenzene-d5	0.343	0.430	-25.4#	98	0.00
24		Nitrobenzene	0.382	0.456	-19.4	95	0.00
25		Isophorone	0.730	0.769	-5.3	88	0.00
26	C	2-Nitrophenol	0.110	0.165	-50.0#	115	0.00
27		2,4-Dimethylphenol	0.231	0.241	-4.3	89	0.00
28		bis(2-Chloroethoxy)methane	0.426	0.434	-1.9	87	0.00
29	C	2,4-Dichlorophenol	0.288	0.307	-6.6	88	0.00
30		1,2,4-Trichlorobenzene	0.337	0.346	-2.7	86	0.00
31		Naphthalene	1.013	1.047	-3.4	86	0.00
32		Benzoic acid	0.167	0.241	-44.3#	119	0.00
33		4-Chloroaniline	0.347	0.371	-6.9	88	0.00
34	C	Hexachlorobutadiene	0.220	0.225	-2.3	86	0.00
35		Caprolactam	0.091	0.101	-11.0	90	0.00
36	C	4-Chloro-3-methylphenol	0.319	0.347	-8.8	89	0.00
37		2-Methylnaphthalene	0.650	0.690	-6.2	90	0.00
38		1-Methylnaphthalene	0.627	0.657	-4.8	88	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	86	0.00
40		1,2,4,5-Tetrachlorobenzene	0.609	0.581	4.6	89	0.00
41	P	Hexachlorocyclopentadiene	0.210	0.237	-12.9	95	0.00
42	S	2,4,6-Tribromophenol	0.181	0.215	-18.8	97	0.00
43	C	2,4,6-Trichlorophenol	0.370	0.398	-7.6	96	0.00
44		2,4,5-Trichlorophenol	0.379	0.405	-6.9	90	0.00
45	S	2-Fluorobiphenyl	1.261	1.281	-1.6	91	0.00
46		1,1'-Biphenyl	1.370	1.435	-4.7	90	0.00
47		2-Chloronaphthalene	1.113	1.126	-1.2	89	0.00

Sample Results: **BF139113.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139113.D
Acq On : 22 Aug 2024 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 11:00:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 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)
48		2-Nitroaniline	0.262	0.382	-45.8#	115	0.00
49		Acenaphthylene	1.595	1.661	-4.1	90	0.00
50		Dimethylphthalate	1.235	1.349	-9.2	94	0.00
51		2,6-Dinitrotoluene	0.206	0.302	-46.6#	110	0.00
52	C	Acenaphthene	1.053	1.120	-6.4	94	0.00
53		3-Nitroaniline	0.213	0.287	-34.7#	102	0.00
54	P	2,4-Dinitrophenol	0.074	0.126	-70.3#	151#	0.00
55		Dibenzofuran	1.530	1.624	-6.1	92	0.00
56	P	4-Nitrophenol	0.187	0.237	-26.7#	105	0.00
57		2,4-Dinitrotoluene	0.250	0.401	-60.4#	119	0.00
58		Fluorene	1.223	1.284	-5.0	92	0.00
59		2,3,4,6-Tetrachlorophenol	0.305	0.351	-15.1	96	0.00
60		Diethylphthalate	1.223	1.358	-11.0	95	0.00
61		4-Chlorophenyl-phenylether	0.611	0.646	-5.7	94	0.00
62		4-Nitroaniline	0.219	0.299	-36.5#	105	0.00
63		Azobenzene	1.360	1.468	-7.9	95	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	86	0.00
65		4,6-Dinitro-2-methylphenol	0.064	0.106	-65.6#	143	0.00
66	c	n-Nitrosodiphenylamine	0.592	0.610	-3.0	92	0.00
67		4-Bromophenyl-phenylether	0.212	0.224	-5.7	93	0.00
68		Hexachlorobenzene	0.227	0.240	-5.7	94	0.00
69		Atrazine	0.181	0.194	-7.2	113	0.00
70	C	Pentachlorophenol	0.145	0.172	-18.6	99	0.00
71		Phenanthrene	1.017	1.033	-1.6	92	0.00
72		Anthracene	0.994	1.020	-2.6	92	0.00
73		Carbazole	0.928	0.936	-0.9	90	0.00
74		Di-n-butylphthalate	1.076	1.151	-7.0	97	0.00
75	C	Fluoranthene	1.085	1.085	0.0	89	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	80	0.00
77		Benzidine	0.413	0.566	-37.0#	89	0.00
78		Pyrene	1.669	1.842	-10.4	87	0.00
79	S	Terphenyl-d14	1.205	1.390	-15.4	91	0.00
80		Butylbenzylphthalate	0.577	0.686	-18.9	90	0.00
81		Benzo(a)anthracene	1.315	1.390	-5.7	85	0.00
82		3,3'-Dichlorobenzidine	0.367	0.408	-11.2	93	0.00
83		Chrysene	1.192	1.225	-2.8	85	0.00
84		Bis(2-ethylhexyl)phthalate	0.765	0.901	-17.8	92	0.00
85	c	Di-n-octyl phthalate	1.074	1.290	-20.1#	100	0.00
86	I	Perylene-d12	1.000	1.000	0.0	92	0.00
87		Indeno(1,2,3-cd)pyrene	1.171	1.319	-12.6	93	0.00
88		Benzo(b)fluoranthene	1.304	1.315	-0.8	96	0.00
89		Benzo(k)fluoranthene	1.086	1.167	-7.5	99	0.00
90	C	Benzo(a)pyrene	1.030	1.086	-5.4	98	0.00
91		Dibenzo(a,h)anthracene	0.961	1.099	-14.4	93	0.00
92		Benzo(g,h,i)perylene	0.969	1.083	-11.8	90	0.00

Sample Results: **BF139113.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139113.D
Acq On : 22 Aug 2024 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 11:00:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 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)

(#) = Out of Range SPCC's out = 0 CCC's out = 2

Sample Results: **BF139113.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139113.D
Acq On : 22 Aug 2024 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 11:00:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 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	20.000	20.000	0.0	80	0.00
2		1,4-Dioxane	40.000	40.647	-1.6	82	0.00
3		Pyridine	40.000	41.416	-3.5	86	0.00
4		n-Nitrosodimethylamine	40.000	39.002	2.5	84	0.00
5	S	2-Fluorophenol	80.000	80.126	-0.2	85	0.00
6		Aniline	40.000	42.688	-6.7	85	0.00
7	S	Phenol-d6	80.000	82.032	-2.5	85	0.00
8		2-Chlorophenol	40.000	40.978	-2.4	86	0.00
9		Benzaldehyde	40.000	41.537	-3.8	89	0.00
10	C	Phenol	40.000	41.857	-4.6	85	0.00
11		bis(2-Chloroethyl)ether	40.000	37.514	6.2	83	0.00
12		1,3-Dichlorobenzene	40.000	40.604	-1.5	85	0.00
13	C	1,4-Dichlorobenzene	40.000	40.721	-1.8	85	0.00
14		1,2-Dichlorobenzene	40.000	41.739	-4.3	85	0.00
15		Benzyl Alcohol	40.000	41.875	-4.7	87	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.532	3.7	82	0.00
17		2-Methylphenol	40.000	41.280	-3.2	86	0.00
18		Hexachloroethane	40.000	41.348	-3.4	86	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.836	0.4	87	0.00
20		3+4-Methylphenols	40.000	41.738	-4.3	86	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	82	0.00
22		Acetophenone	40.000	41.440	-3.6	86	0.00
23	S	Nitrobenzene-d5	80.000	100.273	-25.3#	98	0.00
24		Nitrobenzene	40.000	47.800	-19.5	95	0.00
25		Isophorone	40.000	42.189	-5.5	88	0.00
26	C	2-Nitrophenol	40.000	49.343	-23.4#	115	0.00
27		2,4-Dimethylphenol	40.000	41.727	-4.3	89	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.755	-1.9	87	0.00
29	C	2,4-Dichlorophenol	40.000	42.642	-6.6	88	0.00
30		1,2,4-Trichlorobenzene	40.000	41.066	-2.7	86	0.00
31		Naphthalene	40.000	41.332	-3.3	86	0.00
32		Benzoic acid	40.000	49.705	-24.3	119	0.00
33		4-Chloroaniline	40.000	42.759	-6.9	88	0.00
34	C	Hexachlorobutadiene	40.000	40.877	-2.2	86	0.00
35		Caprolactam	40.000	44.432	-11.1	90	0.00
36	C	4-Chloro-3-methylphenol	40.000	43.488	-8.7	89	0.00
37		2-Methylnaphthalene	40.000	42.445	-6.1	90	0.00
38		1-Methylnaphthalene	40.000	41.906	-4.8	88	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	86	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	42.331	-5.8	89	0.00
41	P	Hexachlorocyclopentadiene	40.000	45.024	-12.6	95	0.00
42	S	2,4,6-Tribromophenol	80.000	95.201	-19.0	97	0.00
43	C	2,4,6-Trichlorophenol	40.000	43.045	-7.6	96	0.00
44		2,4,5-Trichlorophenol	40.000	42.748	-6.9	90	0.00
45	S	2-Fluorobiphenyl	80.000	81.324	-1.7	91	0.00
46		1,1'-Biphenyl	40.000	41.901	-4.8	90	0.00
47		2-Chloronaphthalene	40.000	40.449	-1.1	89	0.00

Sample Results: **BF139113.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139113.D
Acq On : 22 Aug 2024 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 11:00:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 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)
48		2-Nitroaniline	40.000	47.900	-19.7	115	0.00
49		Acenaphthylene	40.000	41.671	-4.2	90	0.00
50		Dimethylphthalate	40.000	43.698	-9.2	94	0.00
51		2,6-Dinitrotoluene	40.000	48.715	-21.8	110	0.00
52	C	Acenaphthene	40.000	42.546	-6.4	94	0.00
53		3-Nitroaniline	40.000	46.014	-15.0	102	0.00
54	P	2,4-Dinitrophenol	40.000	56.704	-41.8#	151	0.00
55		Dibenzofuran	40.000	42.445	-6.1	92	0.00
56	P	4-Nitrophenol	40.000	50.759	-26.9#	105	0.00
57		2,4-Dinitrotoluene	40.000	51.187	-28.0#	119	0.00
58		Fluorene	40.000	42.012	-5.0	92	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	46.105	-15.3	96	0.00
60		Diethylphthalate	40.000	44.395	-11.0	95	0.00
61		4-Chlorophenyl-phenylether	40.000	42.308	-5.8	94	0.00
62		4-Nitroaniline	40.000	47.251	-18.1	105	0.00
63		Azobenzene	40.000	43.180	-7.9	95	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	86	0.00
65		4,6-Dinitro-2-methylphenol	40.000	55.789	-39.5#	143	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.204	-3.0	92	0.00
67		4-Bromophenyl-phenylether	40.000	42.217	-5.5	93	0.00
68		Hexachlorobenzene	40.000	42.310	-5.8	94	0.00
69		Atrazine	40.000	42.845	-7.1	113	0.00
70	C	Pentachlorophenol	40.000	47.403	-18.5	99	0.00
71		Phenanthrene	40.000	40.630	-1.6	92	0.00
72		Anthracene	40.000	41.029	-2.6	92	0.00
73		Carbazole	40.000	40.313	-0.8	90	0.00
74		Di-n-butylphthalate	40.000	42.761	-6.9	97	0.00
75	C	Fluoranthene	40.000	40.009	-0.0	89	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	80	0.00
77		Benzidine	40.000	54.783	-37.0#	89	0.00
78		Pyrene	40.000	44.155	-10.4	87	0.00
79	S	Terphenyl-d14	80.000	92.249	-15.3	91	0.00
80		Butylbenzylphthalate	40.000	47.527	-18.8	90	0.00
81		Benzo(a)anthracene	40.000	42.302	-5.8	85	0.00
82		3,3'-Dichlorobenzidine	40.000	44.421	-11.1	93	0.00
83		Chrysene	40.000	41.110	-2.8	85	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	47.092	-17.7	92	0.00
85	c	Di-n-octyl phthalate	40.000	48.032	-20.1#	100	0.00
86	I	Perylene-d12	20.000	20.000	0.0	92	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	45.057	-12.6	93	0.00
88		Benzo(b)fluoranthene	40.000	40.329	-0.8	96	0.00
89		Benzo(k)fluoranthene	40.000	42.972	-7.4	99	0.00
90	C	Benzo(a)pyrene	40.000	42.171	-5.4	98	0.00
91		Dibenzo(a,h)anthracene	40.000	45.754	-14.4	93	0.00
92		Benzo(g,h,i)perylene	40.000	39.972	0.1	90	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139113.D
Acq On : 22 Aug 2024 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 11:00:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 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)

(#) = Out of Range SPCC's out = 0 CCC's out = 2

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: JACO05

Lab Code: CHEM Case No.: P3671 SAS No.: P3671 SDG No.: P3671

Instrument ID: BNA_F Calibration Date/Time: 08/26/2024 09:43

Lab File ID: BF139159.D Init. Calib. Date(s): 08/20/2024 08/20/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:10 20:41

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.417	1.457		2.8	
2-Fluorophenol	1.300	1.273		-2.1	
Benzaldehyde	0.985	1.034		5.0	
Phenol-d6	1.680	1.707		1.6	
2-Methylphenol	1.070	1.101		2.9	
3+4-Methylphenols	1.386	1.429		3.1	
Nitrobenzene-d5	0.343	0.448		30.6	
Hexachloroethane	0.527	0.539		2.3	
Nitrobenzene	0.382	0.466		22.0	
Naphthalene	1.014	1.066		5.1	
Hexachlorobutadiene	0.220	0.229		4.1	20.0
2-Methylnaphthalene	0.650	0.688		5.8	
2,4,6-Trichlorophenol	0.370	0.393		6.2	20.0
2-Fluorobiphenyl	1.261	1.279		1.4	
2,4,5-Trichlorophenol	0.379	0.410		8.2	
Acenaphthylene	1.595	1.666		4.5	
Acenaphthene	1.053	1.115		5.9	20.0
Dibenzofuran	1.530	1.606		4.9	
2,4-Dinitrotoluene	0.250	0.399		59.6	
Fluorene	1.223	1.276		4.3	
2,4,6-Tribromophenol	0.181	0.215		18.8	
Hexachlorobenzene	0.227	0.241		6.2	
Pentachlorophenol	0.145	0.165		13.8	20.0
Phenanthrene	1.017	1.037		2.0	
Anthracene	0.994	1.019		2.5	
Carbazole	0.928	0.930		0.2	
Di-n-butylphthalate	1.076	1.101		2.3	
Fluoranthene	1.085	1.047		-3.5	20.0
Pyrene	1.669	1.930		15.6	
Terphenyl-d14	1.205	1.431		18.8	
Benzo(a)anthracene	1.315	1.350		2.7	
Chrysene	1.192	1.246		4.5	
Bis(2-ethylhexyl)phthalate	0.765	0.860		12.4	
Benzo(b)fluoranthene	1.304	1.322		1.3	
Benzo(k)fluoranthene	1.086	1.070		-1.5	
Benzo(a)pyrene	1.030	1.072		4.1	20.0
Indeno(1,2,3-cd)pyrene	1.171	1.404		19.9	
Dibenzo(a,h)anthracene	0.961	1.166		21.3	
Benzo(g,h,i)perylene	0.969	1.174		21.2	

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: JACO05

Lab Code: CHEM Case No.: P3671 SAS No.: P3671 SDG No.: P3671

Instrument ID: BNA_F Calibration Date/Time: 08/26/2024 09:43

Lab File ID: BF139159.D Init. Calib. Date(s): 08/20/2024 08/20/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:10 20:41

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,4-Dioxane	0.558	0.558		0.0	20.0
1-Methylnaphthalene	0.627	0.678		8.1	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF139159.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082624\
Data File : BF139159.D
Acq On : 26 Aug 2024 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 10:54:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	95428	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	349140	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	213475	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	377412	20.000	ng	0.00
76) Chrysene-d12	14.063	240	203247	20.000	ng	0.00
86) Perylene-d12	15.539	264	185607	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	486015	78.357	ng	0.00
7) Phenol-d6	6.522	99	651675	81.312	ng	0.00
23) Nitrobenzene-d5	7.463	82	625243	104.350	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	183582	94.994	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1092104	81.168	ng	0.00
79) Terphenyl-d14	13.010	244	1163501	94.987	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.693	88	106544	40.049	ng	97
3) Pyridine	3.446	79	278168	41.147	ng	99
4) n-Nitrosodimethylamine	3.405	42	151036	36.983	ng	96
6) Aniline	6.563	93	301810	41.714	ng	98
8) 2-Chlorophenol	6.681	128	243395	40.798	ng	100
9) Benzaldehyde	6.451	77	197281	41.971	ng	97
10) Phenol	6.540	94	343345	41.173	ng	99
11) bis(2-Chloroethyl)ether	6.634	93	248834	37.105	ng	99
12) 1,3-Dichlorobenzene	6.840	146	285785	39.842	ng	99
13) 1,4-Dichlorobenzene	6.916	146	286838	39.996	ng	99
14) 1,2-Dichlorobenzene	7.069	146	267916	40.875	ng	100
15) Benzyl Alcohol	7.040	79	265787	41.960	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.175	45	360574	38.169	ng	99
17) 2-Methylphenol	7.146	107	210149	41.175	ng	98
18) Hexachloroethane	7.410	117	102933	40.930	ng	99
19) n-Nitroso-di-n-propyla...	7.310	70	207549	39.434	ng	99
20) 3+4-Methylphenols	7.298	107	272672	41.234	ng	97
22) Acetophenone	7.310	105	372227	41.755	ng	98
24) Nitrobenzene	7.481	77	325313	48.846	ng	99
25) Isophorone	7.716	82	543765	42.697	ng	99
26) 2-Nitrophenol	7.798	139	119310	50.980	ng	96
27) 2,4-Dimethylphenol	7.828	122	167717	41.530	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	307711	41.352	ng	99
29) 2,4-Dichlorophenol	8.034	162	213471	42.430	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	240843	40.882	ng	99
31) Naphthalene	8.204	128	744406	42.074	ng	100
32) Benzoic acid	7.940	122	164871m	48.846	ng	
33) 4-Chloroaniline	8.251	127	261445	43.147	ng	99
34) Hexachlorobutadiene	8.322	225	159876	41.544	ng	99
35) Caprolactam	8.622	113	73062	45.804	ng	96
36) 4-Chloro-3-methylphenol	8.728	107	248676	44.640	ng	100
37) 2-Methylnaphthalene	8.892	142	480618	42.351	ng	100
38) 1-Methylnaphthalene	8.992	142	473621	43.242	ng	99
40) 1,2,4,5-Tetrachloroben...	9.057	216	248855	42.515	ng	99
41) Hexachlorocyclopentadiene	9.045	237	95827	42.662	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	167723	42.526	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082624\
Data File : BF139159.D
Acq On : 26 Aug 2024 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 10:54:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	175149	43.264	ng		98
46) 1,1'-Biphenyl	9.357	154	622408	42.562	ng		99
47) 2-Chloronaphthalene	9.381	162	489392	41.187	ng		99
48) 2-Nitroaniline	9.475	65	167049	48.929	ng		99
49) Acenaphthylene	9.798	152	711185	41.783	ng		100
50) Dimethylphthalate	9.657	163	569216	43.191	ng		100
51) 2,6-Dinitrotoluene	9.722	165	129263	48.814	ng		93
52) Acenaphthene	9.969	154	476132	42.347	ng		100
53) 3-Nitroaniline	9.887	138	128071	47.891	ng	#	97
54) 2,4-Dinitrophenol	9.987	184	55332	57.682	ng		96
55) Dibenzofuran	10.145	168	685468	41.973	ng		99
56) 4-Nitrophenol	10.039	139	98337	49.363	ng		99
57) 2,4-Dinitrotoluene	10.122	165	170289	50.993	ng		94
58) Fluorene	10.486	166	544889	41.750	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	146521	45.076	ng		99
60) Diethylphthalate	10.357	149	560268	42.905	ng		100
61) 4-Chlorophenyl-phenyle...	10.481	204	272843	41.858	ng		98
62) 4-Nitroaniline	10.504	138	126198	46.757	ng		95
63) Azobenzene	10.639	77	608354	41.922	ng		99
65) 4,6-Dinitro-2-methylph...	10.528	198	80779	56.127	ng		92
66) n-Nitrosodiphenylamine	10.598	169	460508	41.237	ng		99
67) 4-Bromophenyl-phenylether	10.969	248	172877	43.228	ng		99
68) Hexachlorobenzene	11.028	284	182262	42.481	ng		98
69) Atrazine	11.122	200	126290	37.029	ng		99
70) Pentachlorophenol	11.222	266	124776	45.528	ng		98
71) Phenanthrene	11.445	178	782606	40.797	ng		100
72) Anthracene	11.498	178	769419	41.013	ng		100
73) Carbazole	11.651	167	701713	40.056	ng		100
74) Di-n-butylphthalate	11.986	149	831186	40.919	ng		100
75) Fluoranthene	12.633	202	790128	38.590	ng		100
77) Benzidine	12.757	184	241141	57.437	ng		100
78) Pyrene	12.863	202	784363	46.244	ng		99
80) Butylbenzylphthalate	13.486	149	270857	46.159	ng		100
81) Benzo(a)anthracene	14.051	228	548885	41.082	ng		98
82) 3,3'-Dichlorobenzidine	14.016	252	167683	44.900	ng		98
83) Chrysene	14.086	228	506300	41.808	ng		100
84) Bis(2-ethylhexyl)phtha...	14.045	149	349700	44.953	ng		100
85) Di-n-octyl phthalate	14.657	149	486502	44.558	ng		99
87) Indeno(1,2,3-cd)pyrene	17.027	276	521360	47.995	ng		100
88) Benzo(b)fluoranthene	15.104	252	490558	40.541	ng		100
89) Benzo(k)fluoranthene	15.133	252	397229	39.415	ng		99
90) Benzo(a)pyrene	15.474	252	397980	41.624	ng		100
91) Dibenzo(a,h)anthracene	17.051	278	432877	48.545	ng		100
92) Benzo(g,h,i)perylene	17.480	276	435900	43.090	ng		99

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

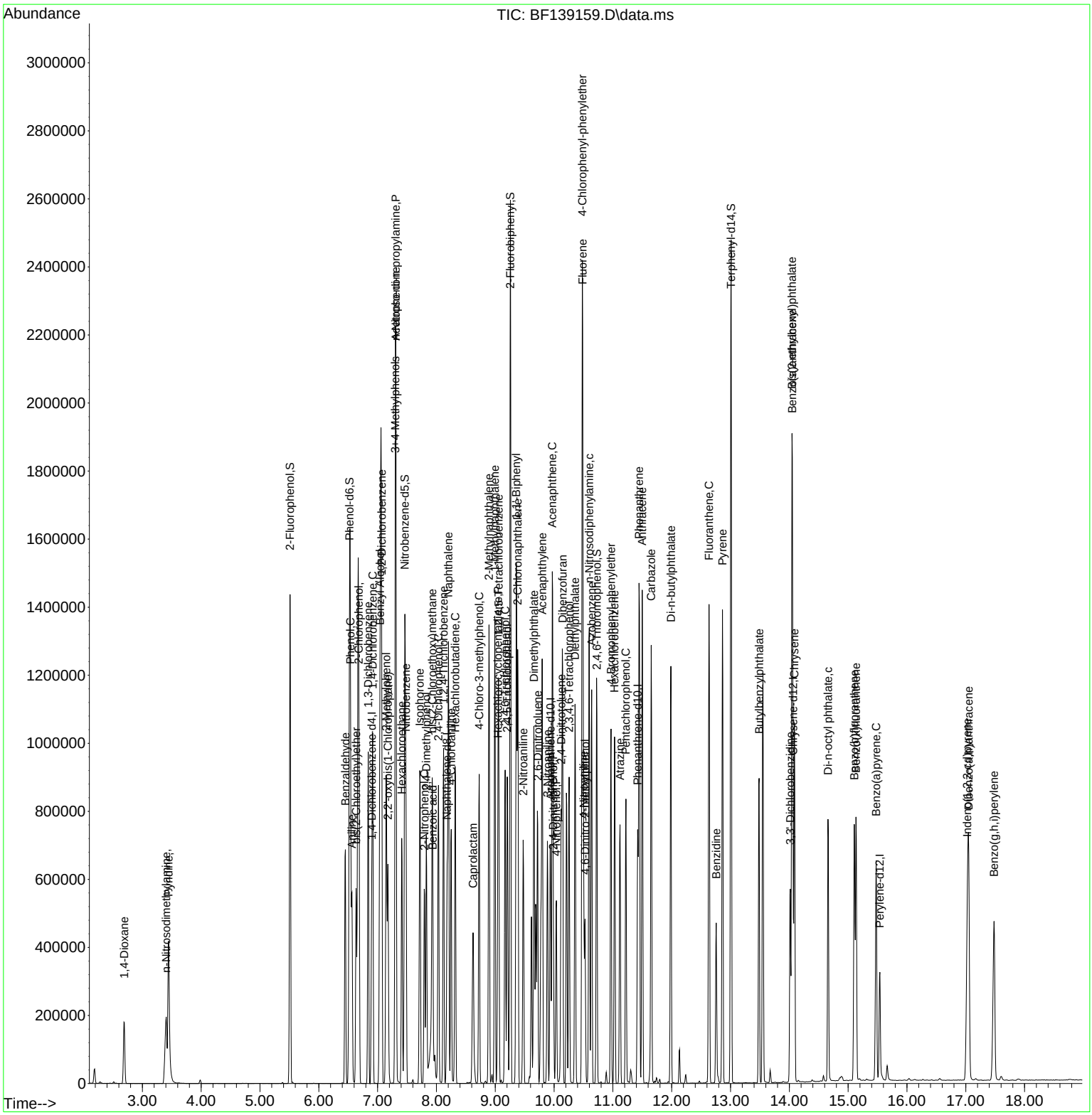
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082624\
Data File : BF139159.D
Acq On : 26 Aug 2024 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

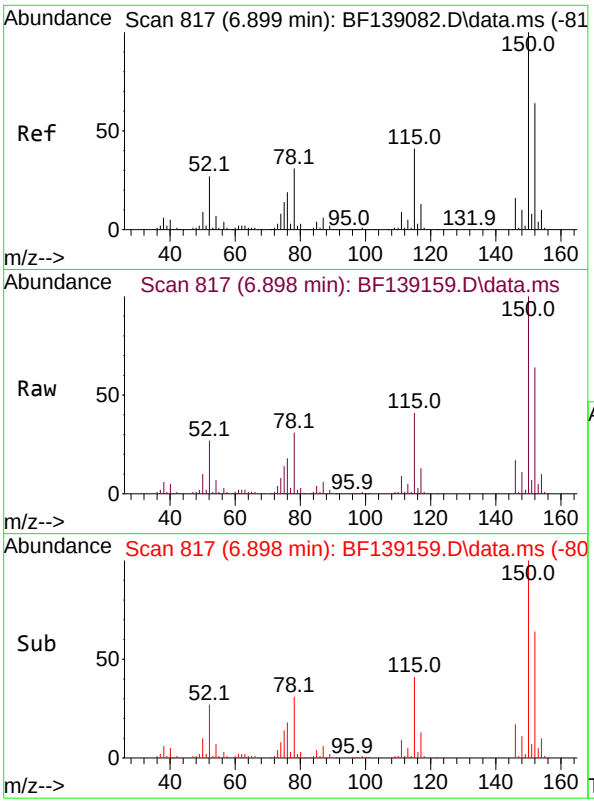
Quant Time: Aug 26 10:54:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

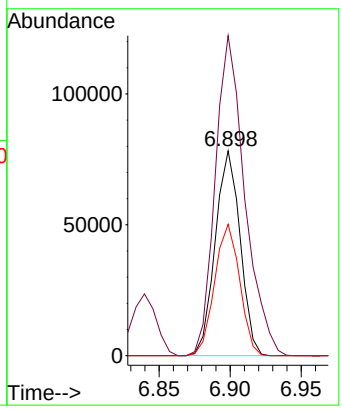




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:152 Resp: 9542

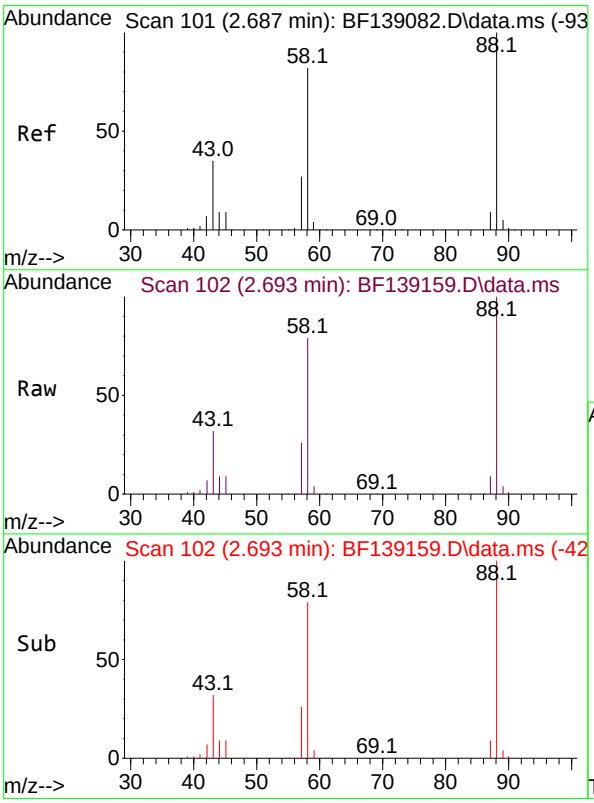
Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.1	187.7
115	64.2	51.8	77.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

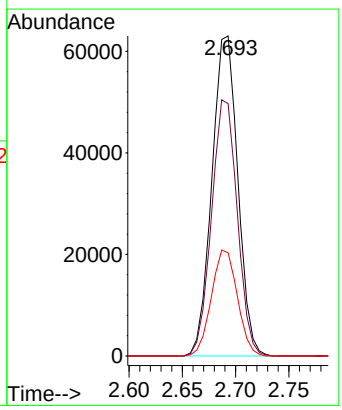
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

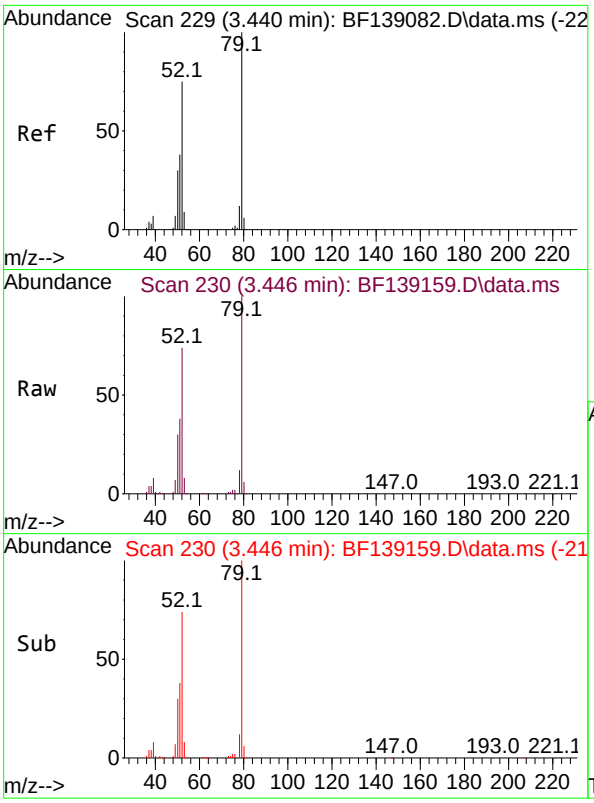


#2
1,4-Dioxane
Concen: 40.049 ng
RT: 2.693 min Scan# 102
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion: 88 Resp: 106544

Ion	Ratio	Lower	Upper
88	100		
58	79.4	65.4	98.0
43	33.2	27.9	41.9

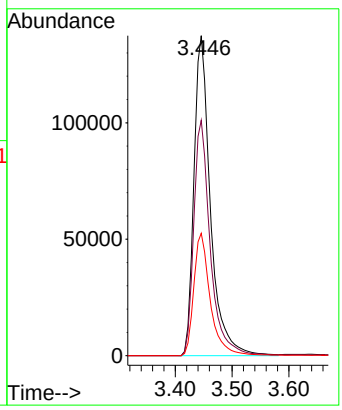




#3
Pyridine
Concen: 41.147 ng
RT: 3.446 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion: 79 Resp: 27816

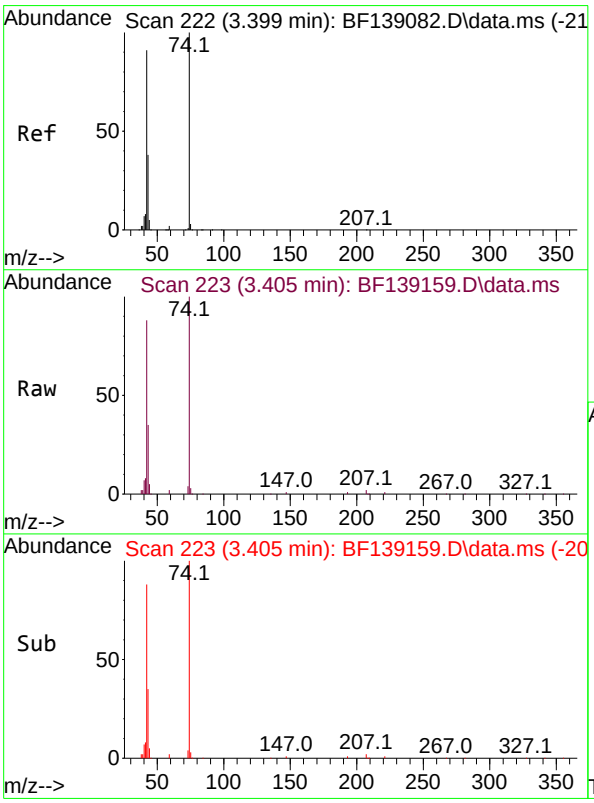
Ion	Ratio	Lower	Upper
79	100		
52	73.5	59.7	89.5
51	38.3	30.6	45.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

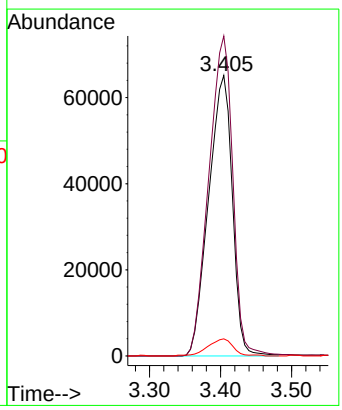
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

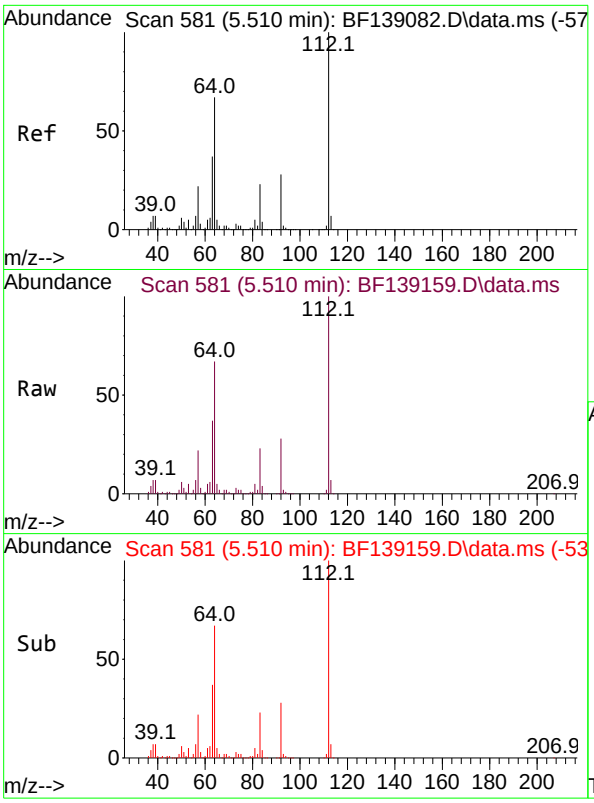


#4
n-Nitrosodimethylamine
Concen: 36.983 ng
RT: 3.405 min Scan# 223
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion: 42 Resp: 151036

Ion	Ratio	Lower	Upper
42	100		
74	114.1	88.2	132.2
44	6.1	5.4	8.0





#5
2-Fluorophenol
Concen: 78.357 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

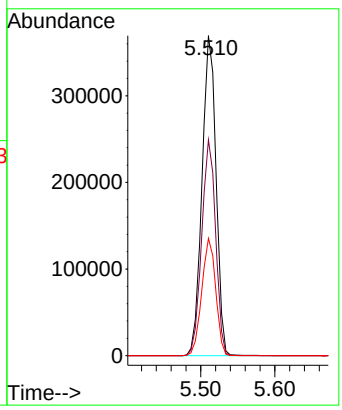
Tgt Ion:112 Resp: 48601

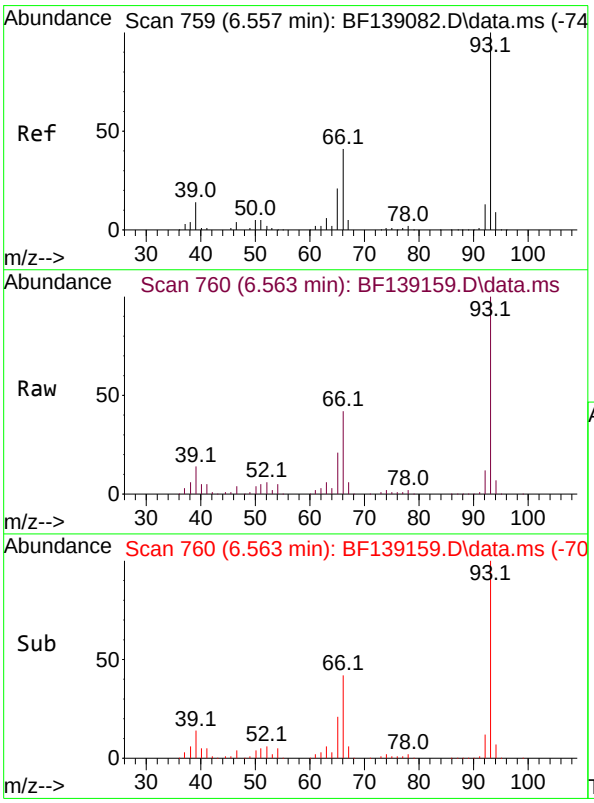
Ion	Ratio	Lower	Upper
112	100		
64	67.4	53.8	80.6
63	36.6	29.4	44.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

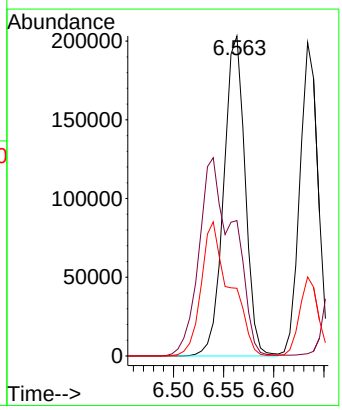


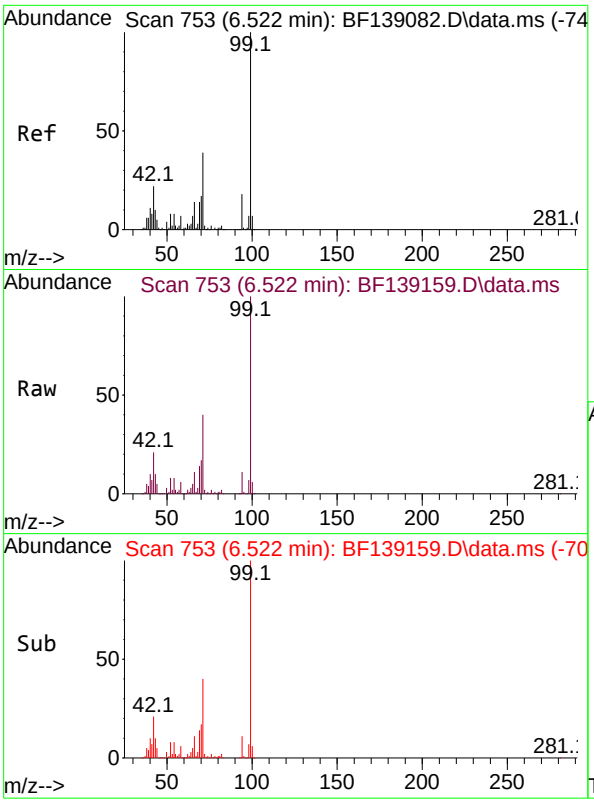


#6
Aniline
Concen: 41.714 ng
RT: 6.563 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion: 93 Resp: 301810

Ion	Ratio	Lower	Upper
93	100		
66	42.3	35.1	52.7
65	21.2	17.4	26.2





#7
Phenol-d6
Concen: 81.312 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

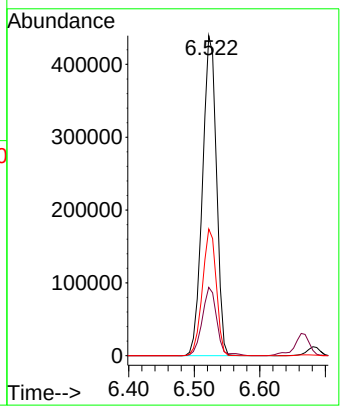
Tgt Ion: 99 Resp: 65167

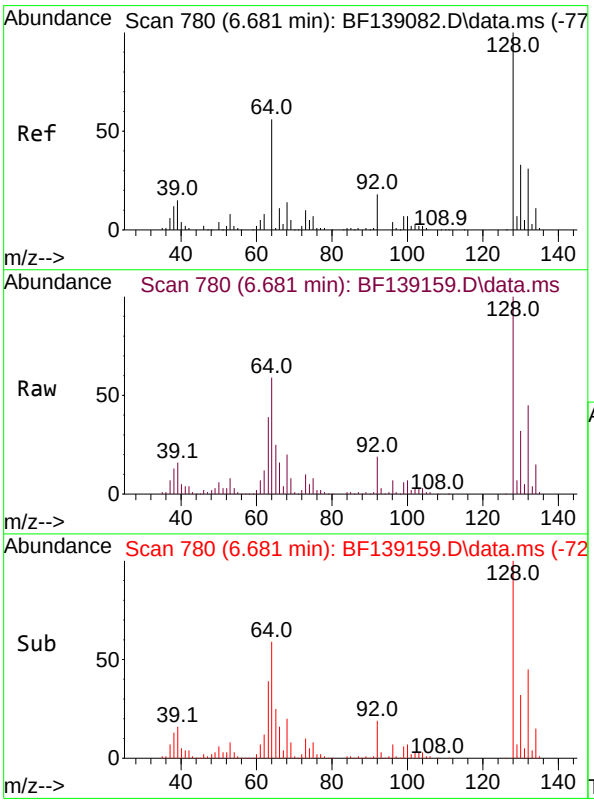
Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.4	26.2
71	39.6	31.2	46.8

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

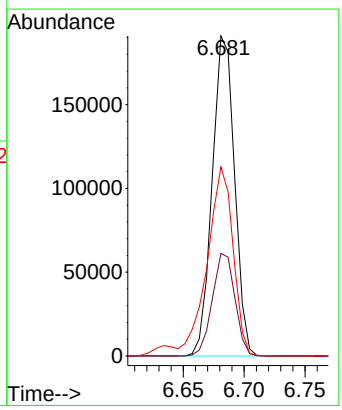


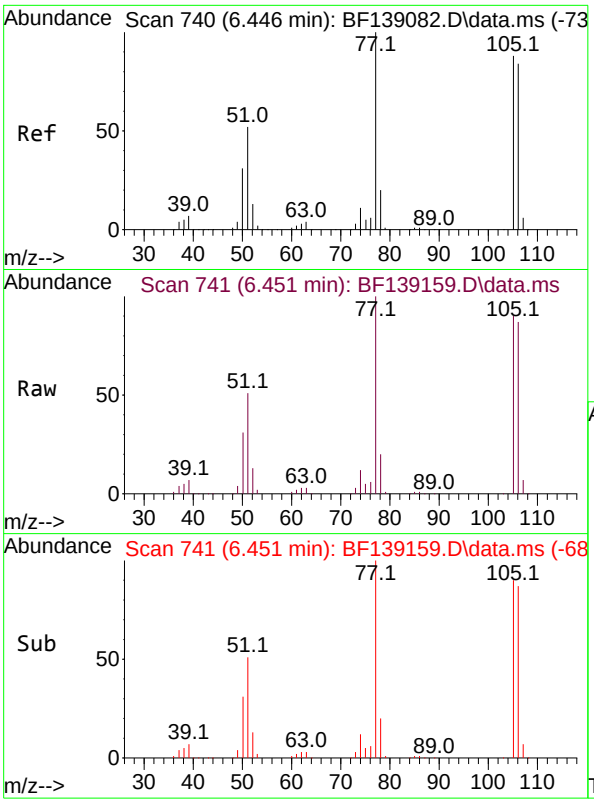


#8
2-Chlorophenol
Concen: 40.798 ng
RT: 6.681 min Scan# 780
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:128 Resp: 243395

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.6	52.6
64	59.0	39.1	79.1

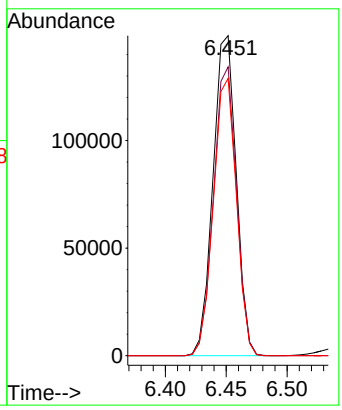




#9
Benzaldehyde
Concen: 41.971 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.005 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion: 77 Resp: 19728

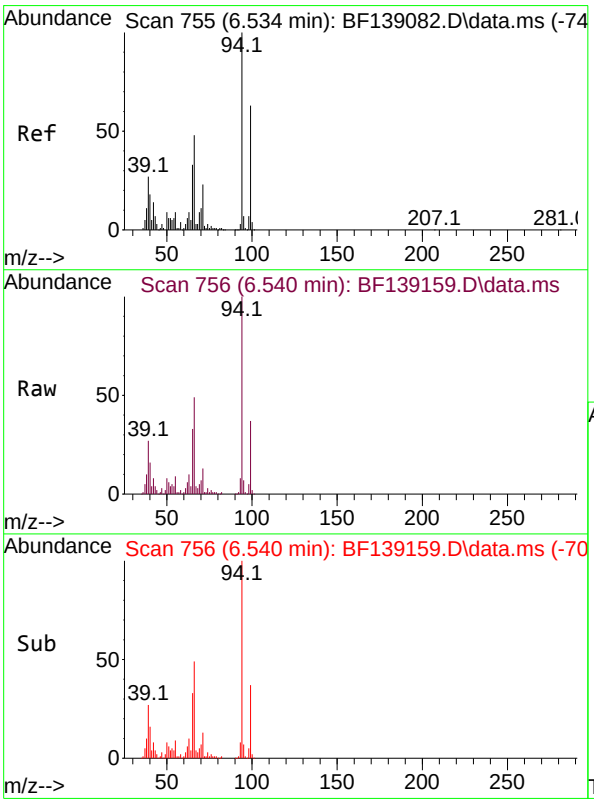
Ion	Ratio	Lower	Upper
77	100		
105	90.3	68.2	108.2
106	86.7	63.8	103.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

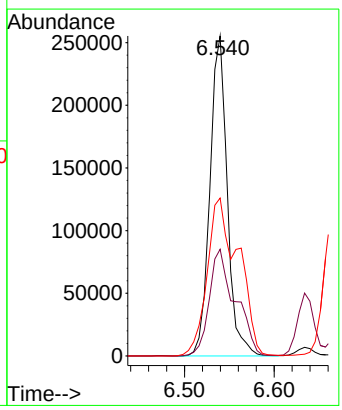
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

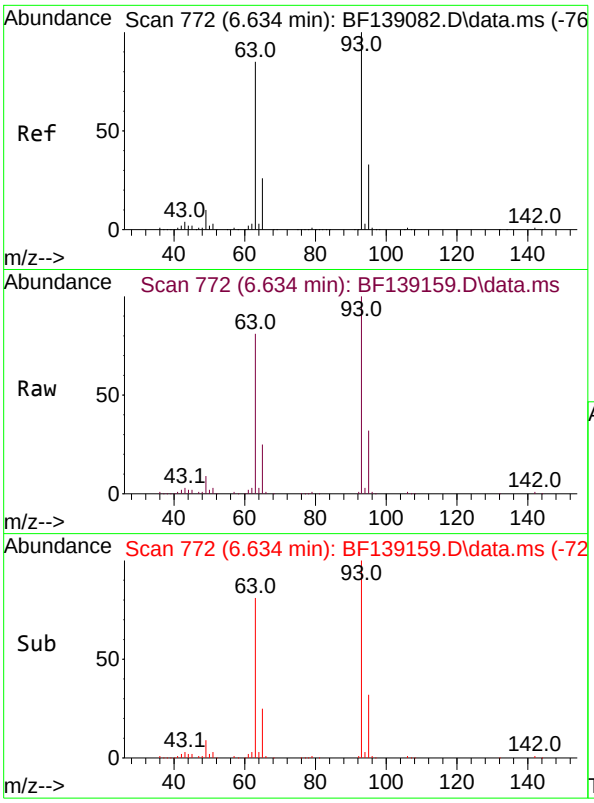


#10
Phenol
Concen: 41.173 ng
RT: 6.540 min Scan# 756
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion: 94 Resp: 343345

Ion	Ratio	Lower	Upper
94	100		
65	33.4	13.5	53.5
66	49.3	28.5	68.5

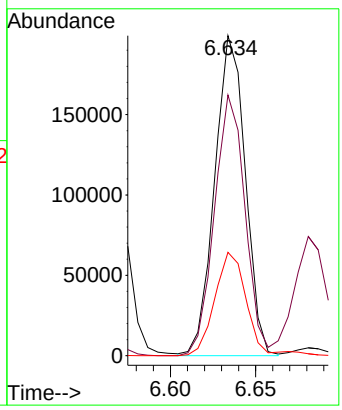




#11
bis(2-Chloroethyl)ether
Concen: 37.105 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion: 93 Resp: 24883

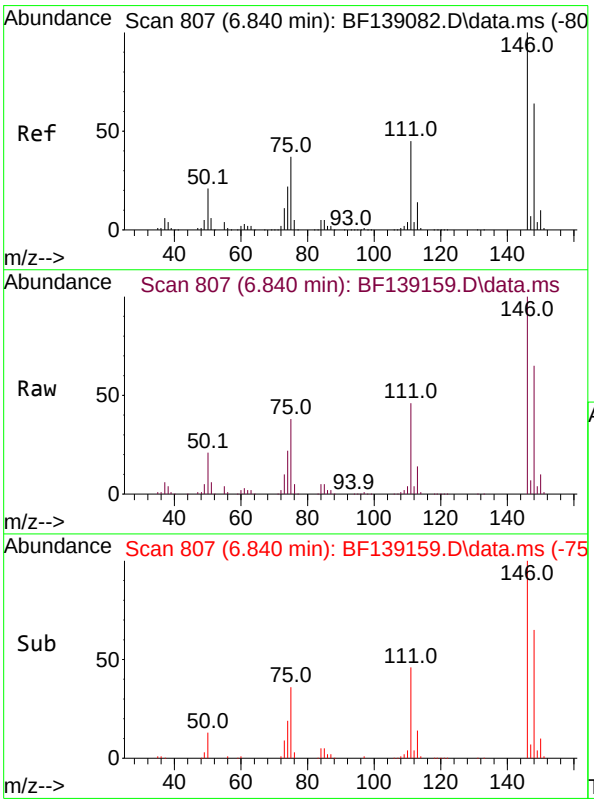
Ion	Ratio	Lower	Upper
93	100		
63	81.5	62.7	102.7
95	32.3	11.9	51.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

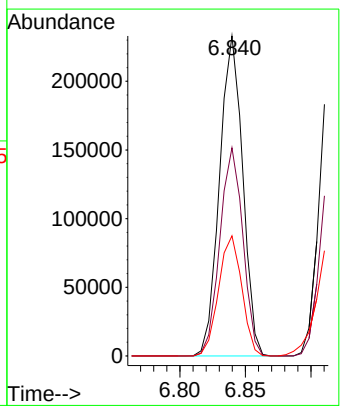
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

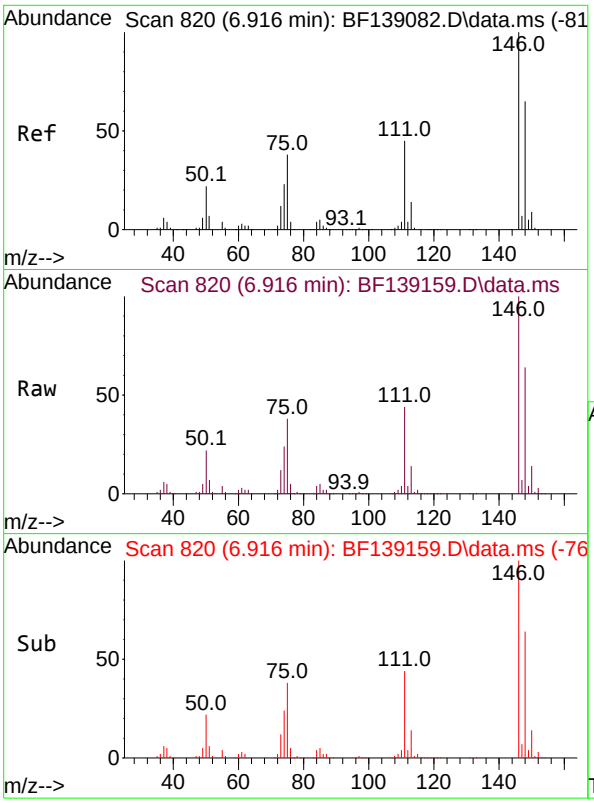


#12
1,3-Dichlorobenzene
Concen: 39.842 ng
RT: 6.840 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:146 Resp: 285785

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.2	76.8
75	37.5	29.9	44.9





#13
1,4-Dichlorobenzene
Concen: 39.996 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

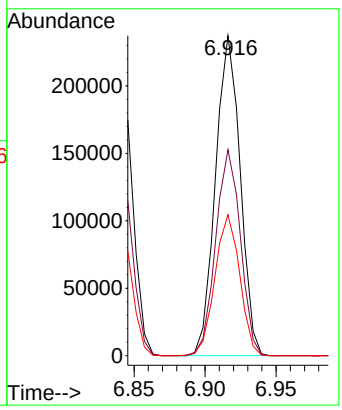
Tgt Ion:146 Resp: 28683

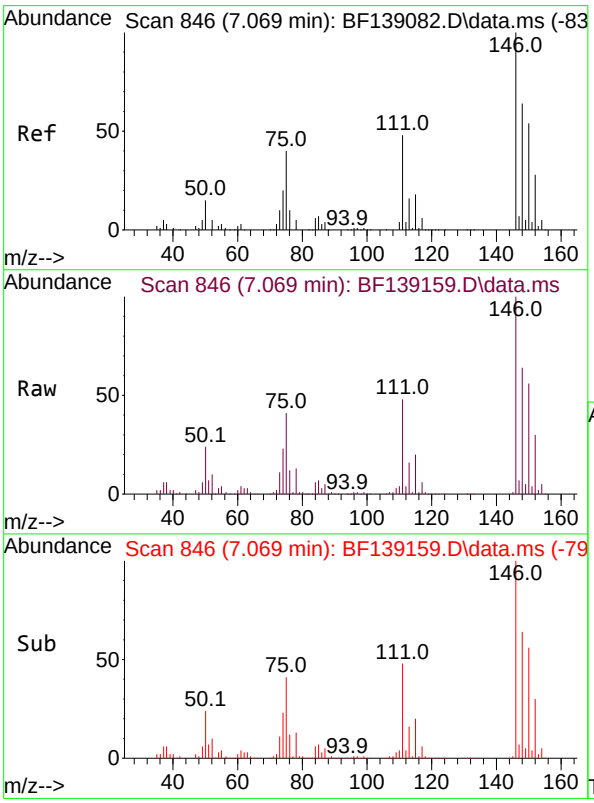
Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.9	77.9
111	44.0	35.8	53.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

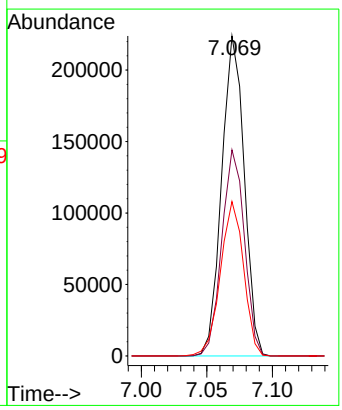


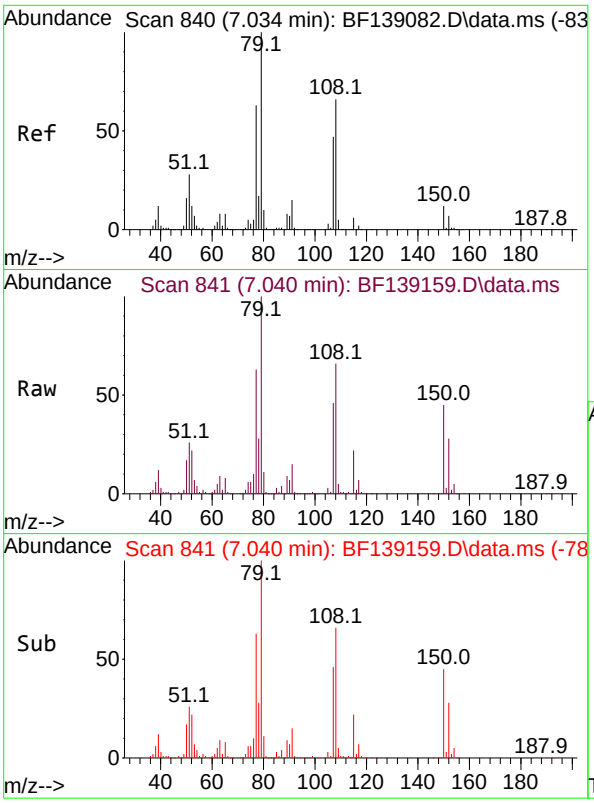


#14
1,2-Dichlorobenzene
Concen: 40.875 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:146 Resp: 267916

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.4	77.2
111	48.2	38.1	57.1





#15
Benzyl Alcohol
Concen: 41.960 ng
RT: 7.040 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

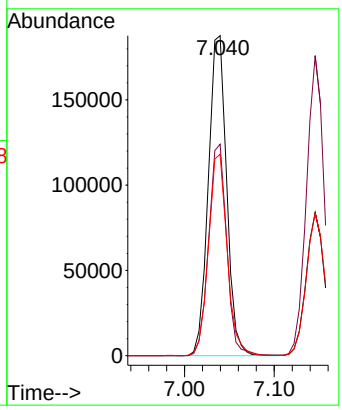
Tgt Ion: 79 Resp: 26578

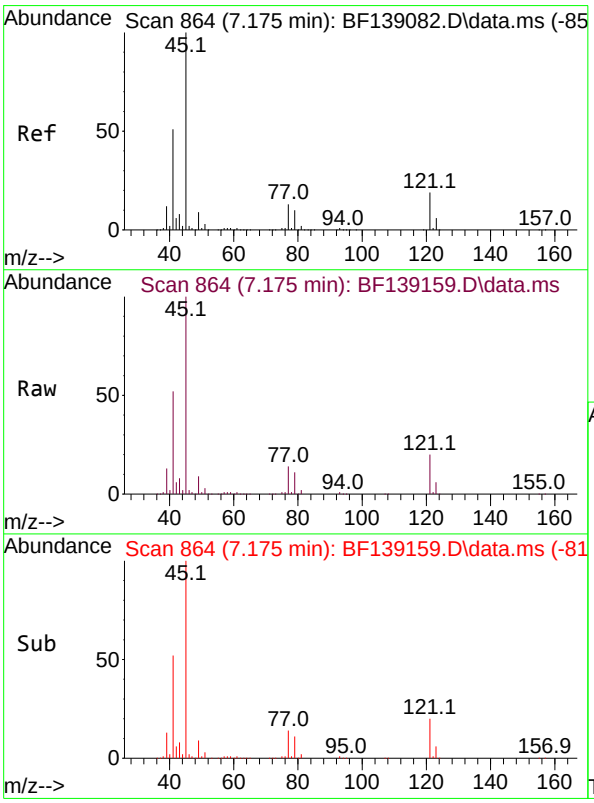
Ion	Ratio	Lower	Upper
79	100		
108	66.1	52.8	79.2
77	63.0	50.6	76.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

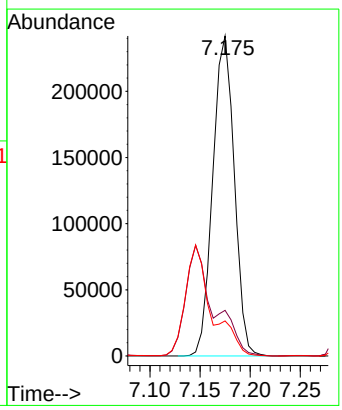


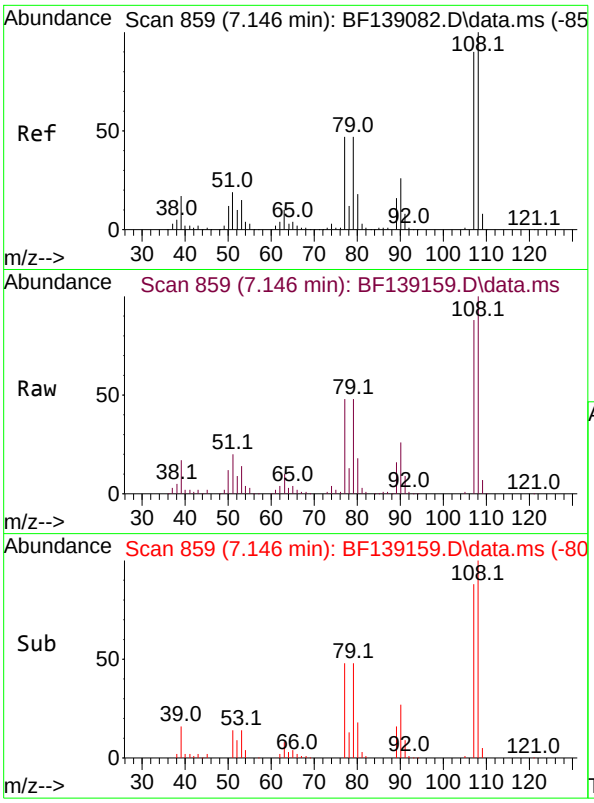


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.169 ng
RT: 7.175 min Scan# 864
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion: 45 Resp: 360574

Ion	Ratio	Lower	Upper
45	100		
77	14.2	0.0	33.7
79	11.0	0.0	30.4

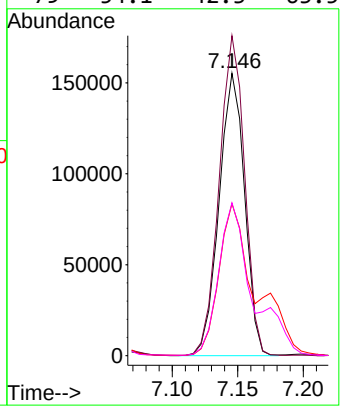




#17
2-Methylphenol
Concen: 41.175 ng
RT: 7.146 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:107 Resp: 21014

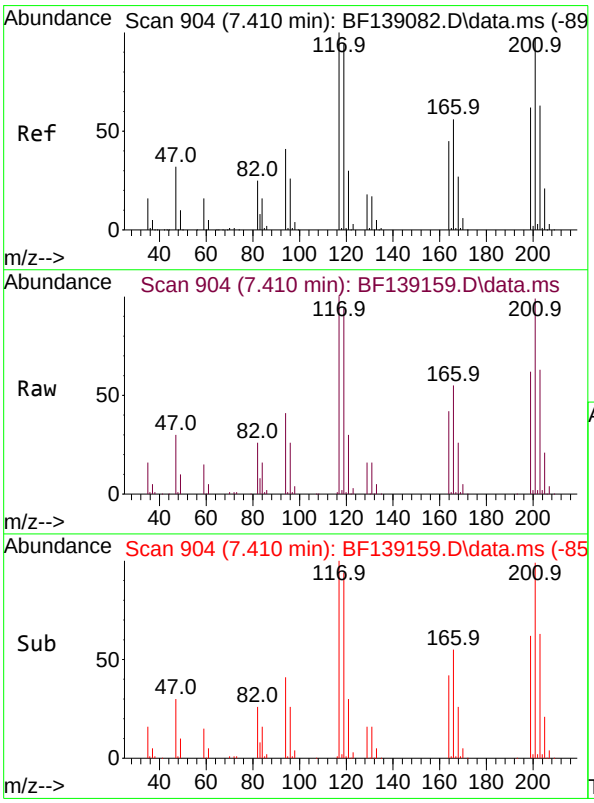
Ion	Ratio	Lower	Upper
107	100		
108	113.3	89.1	133.7
77	53.8	42.1	63.1
79	54.1	42.3	63.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

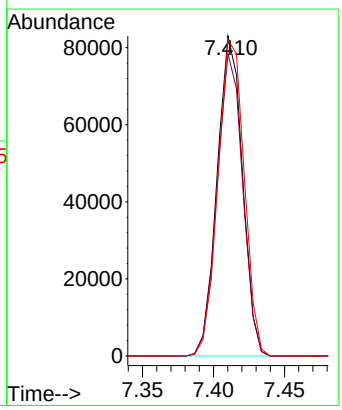
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

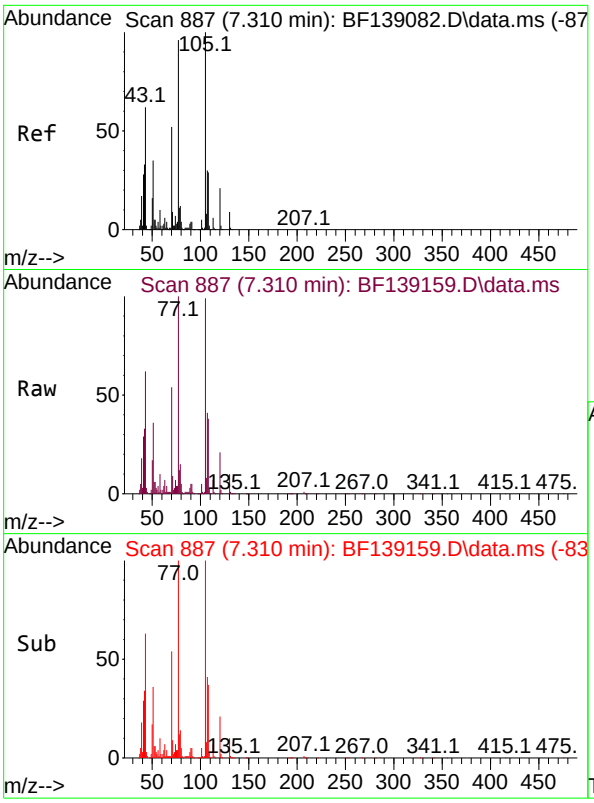


#18
Hexachloroethane
Concen: 40.930 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:117 Resp: 102933

Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.5	113.3
201	98.8	77.8	116.8

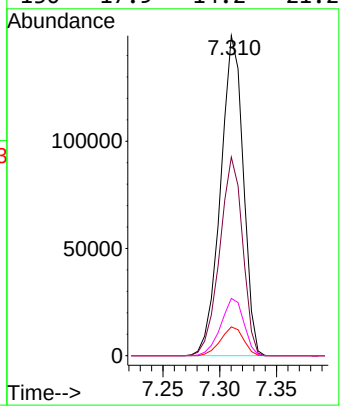




#19
n-Nitroso-di-n-propylamine
Concen: 39.434 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion: 70 Resp: 20754

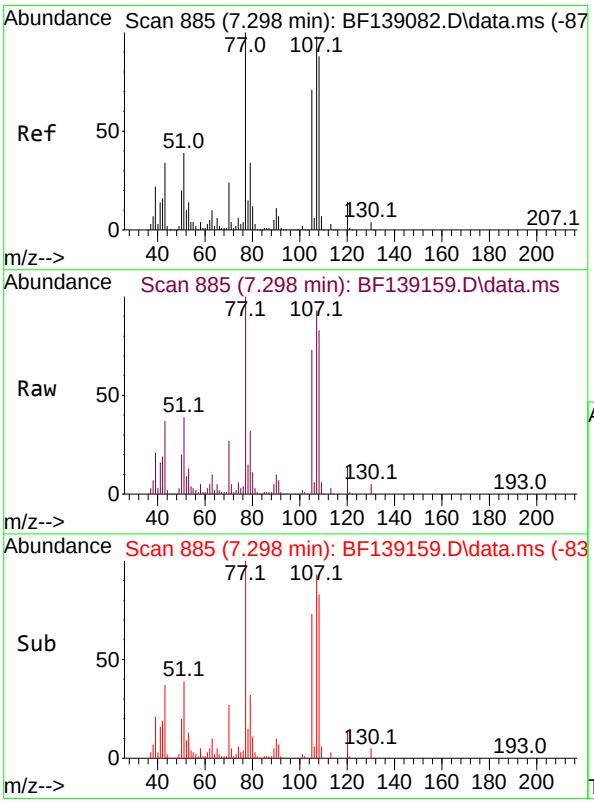
Ion	Ratio	Lower	Upper
70	100		
42	62.0	50.5	75.7
101	9.0	7.2	10.8
130	17.9	14.2	21.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

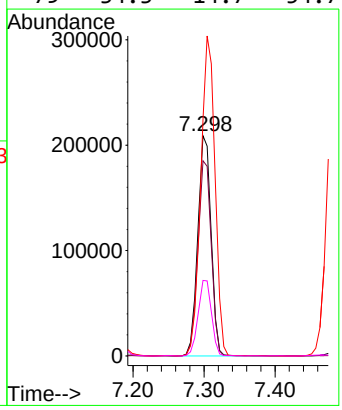
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

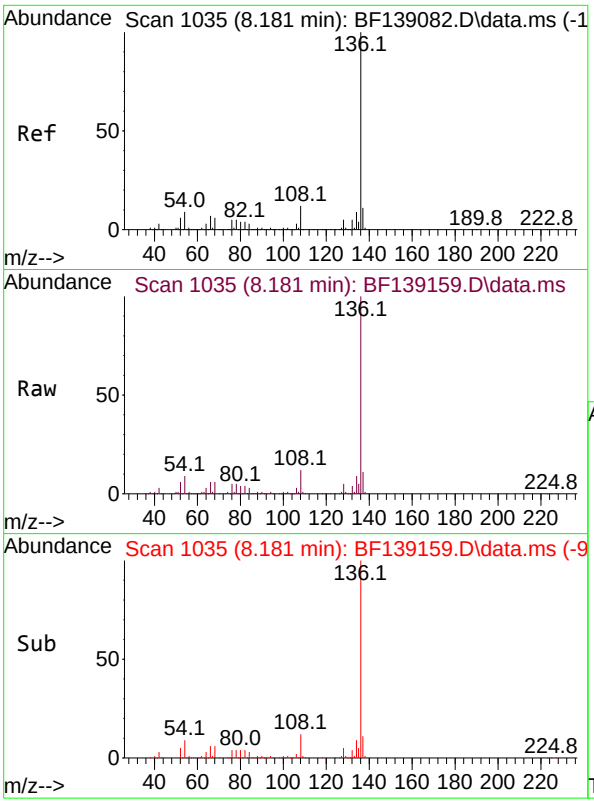


#20
3+4-Methylphenols
Concen: 41.234 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:107 Resp: 272672

Ion	Ratio	Lower	Upper
107	100		
108	88.7	70.2	110.2
77	107.4	82.7	122.7
79	34.3	14.7	54.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

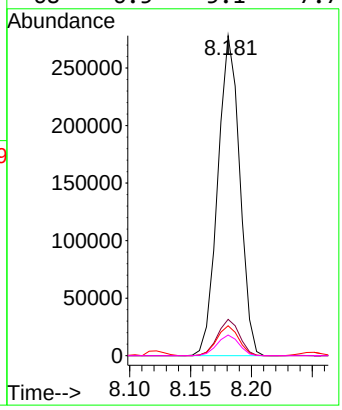
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

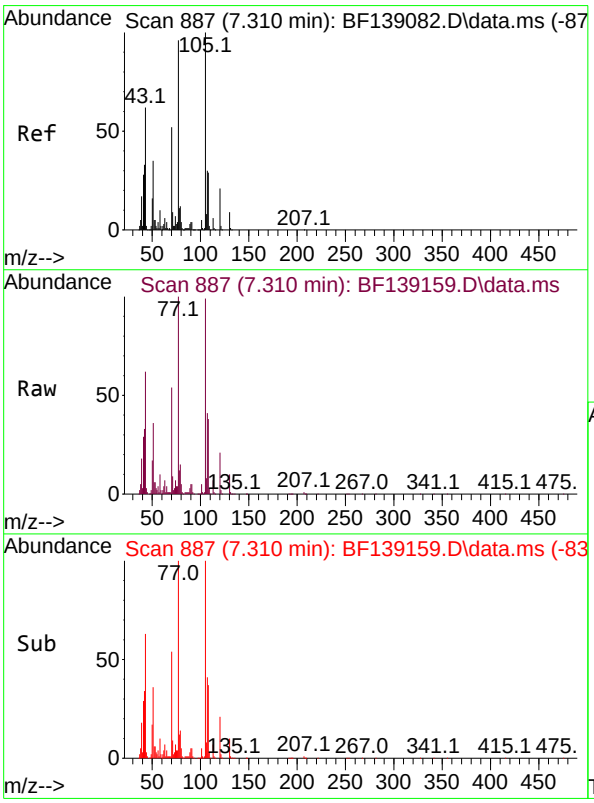
Tgt Ion:136 Resp: 34914

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	9.4	7.6	11.4
68	6.5	5.1	7.7

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

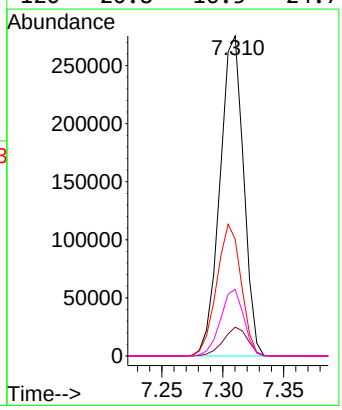


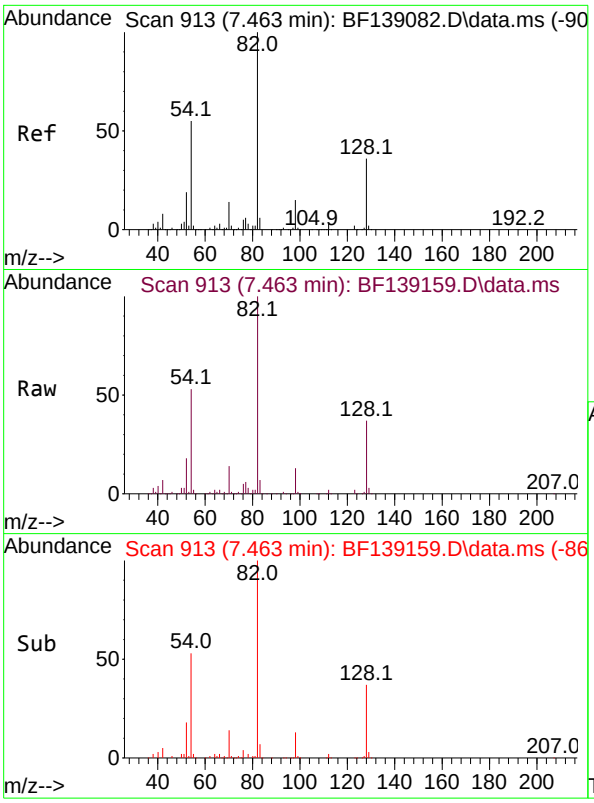


#22
Acetophenone
Concen: 41.755 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:105 Resp: 372227

Ion	Ratio	Lower	Upper
105	100		
71	9.0	7.0	10.6
51	36.5	28.0	42.0
120	20.8	16.5	24.7





#23
Nitrobenzene-d5
Concen: 104.350 ng
RT: 7.463 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

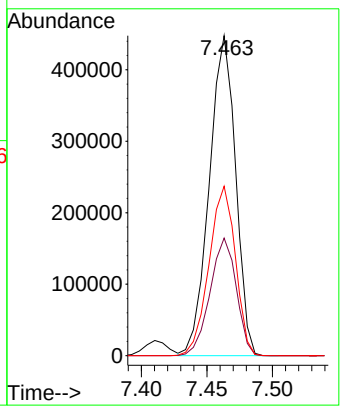
Tgt Ion: 82 Resp: 62524

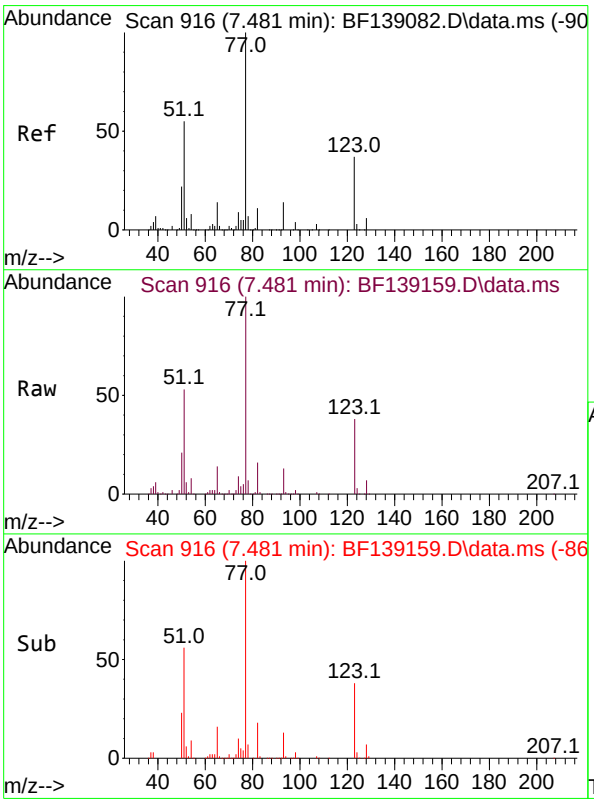
Ion	Ratio	Lower	Upper
82	100		
128	36.7	29.0	43.4
54	52.9	43.4	65.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

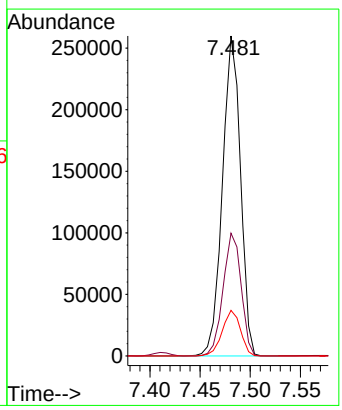


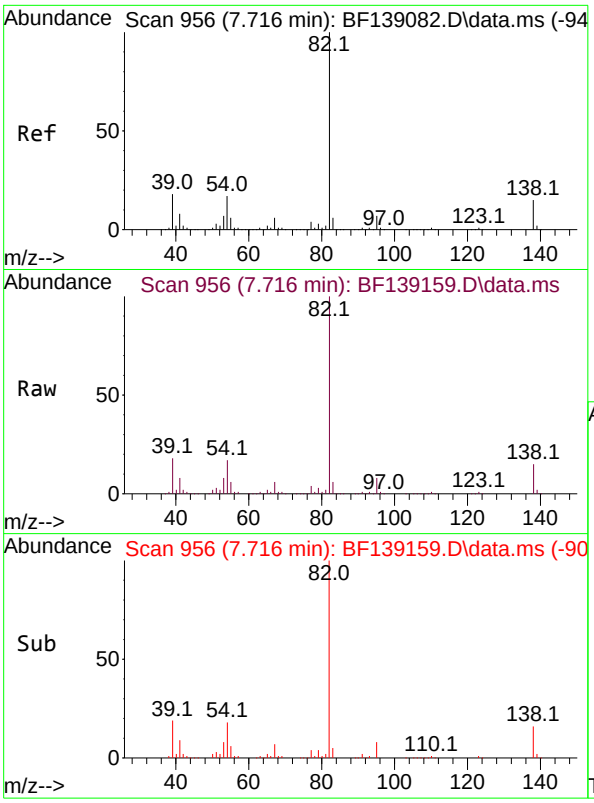


#24
Nitrobenzene
Concen: 48.846 ng
RT: 7.481 min Scan# 916
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion: 77 Resp: 325313

Ion	Ratio	Lower	Upper
77	100		
123	38.3	30.3	45.5
65	14.3	11.3	16.9

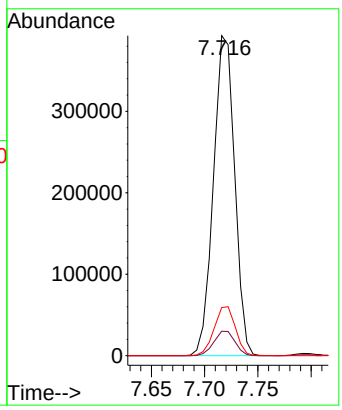




#25
Isophorone
Concen: 42.697 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion: 82 Resp: 54376

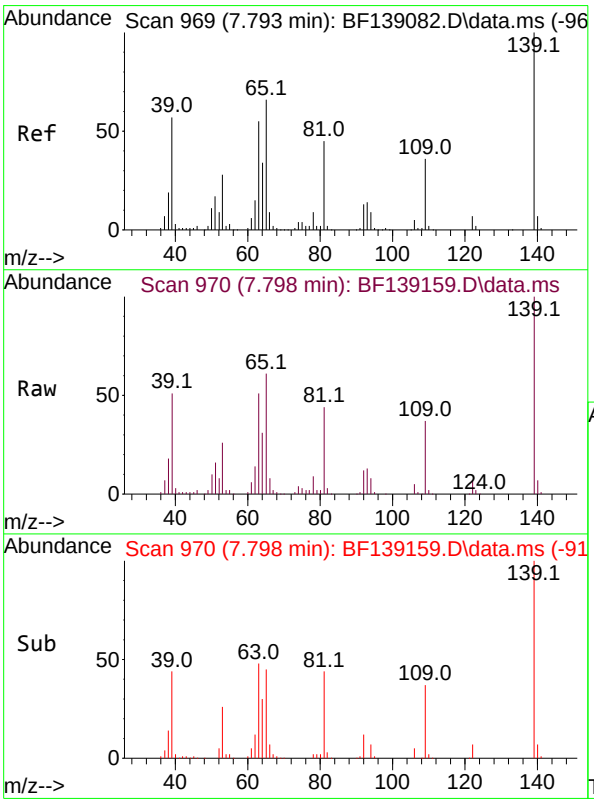
Ion	Ratio	Lower	Upper
82	100		
95	7.7	5.9	8.9
138	15.1	11.8	17.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

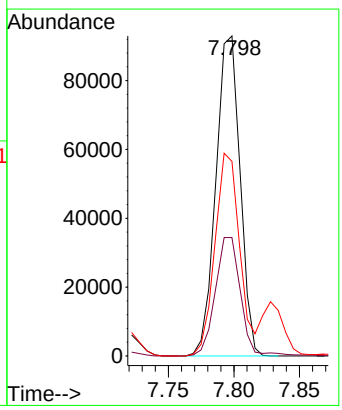
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

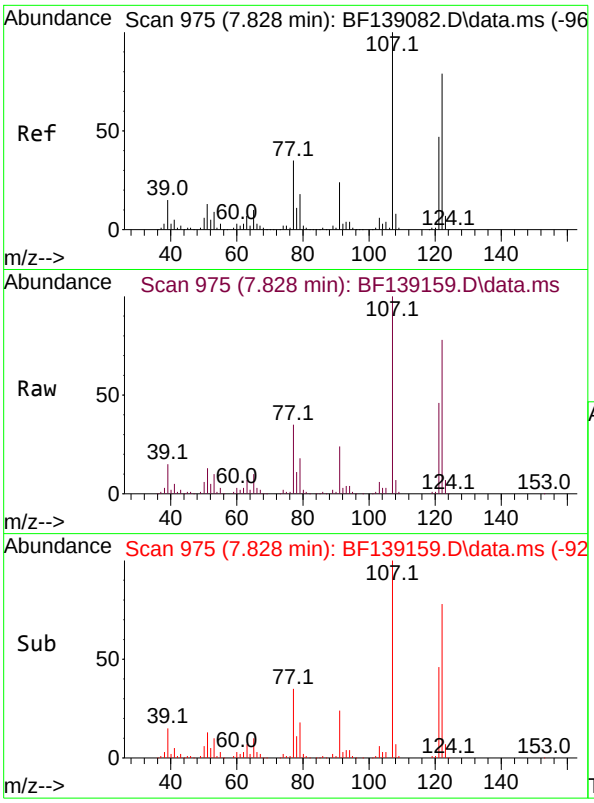


#26
2-Nitrophenol
Concen: 50.980 ng
RT: 7.798 min Scan# 970
Delta R.T. 0.005 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:139 Resp: 119310

Ion	Ratio	Lower	Upper
139	100		
109	37.0	29.2	43.8
65	60.8	52.7	79.1

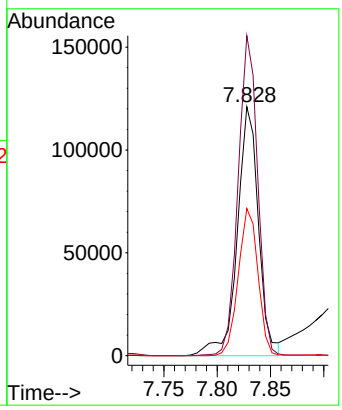




#27
2,4-Dimethylphenol
Concen: 41.530 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:122 Resp: 16771

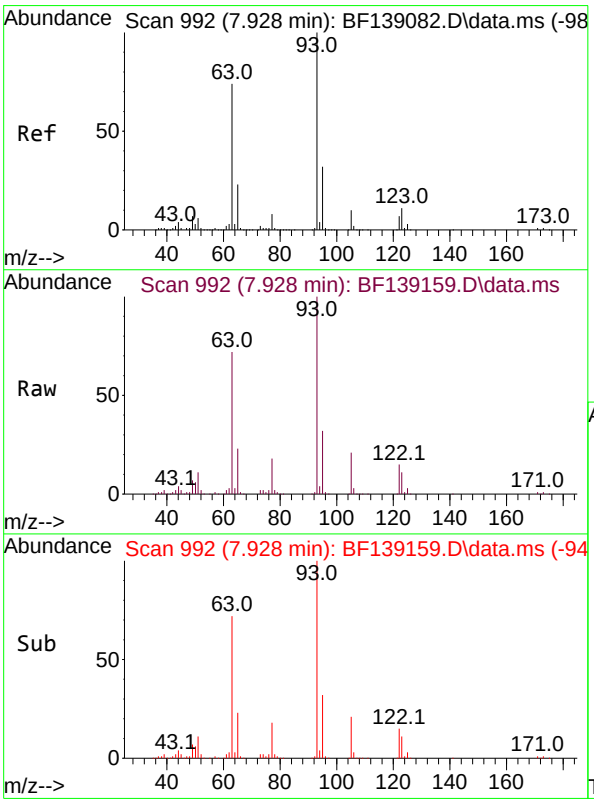
Ion	Ratio	Lower	Upper
122	100		
107	128.6	101.1	151.7
121	59.1	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

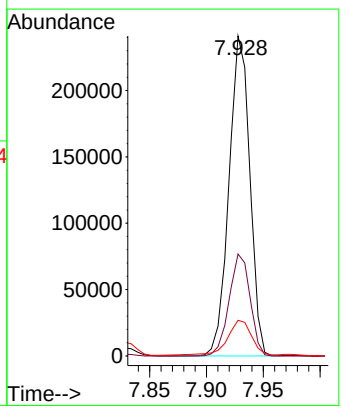
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

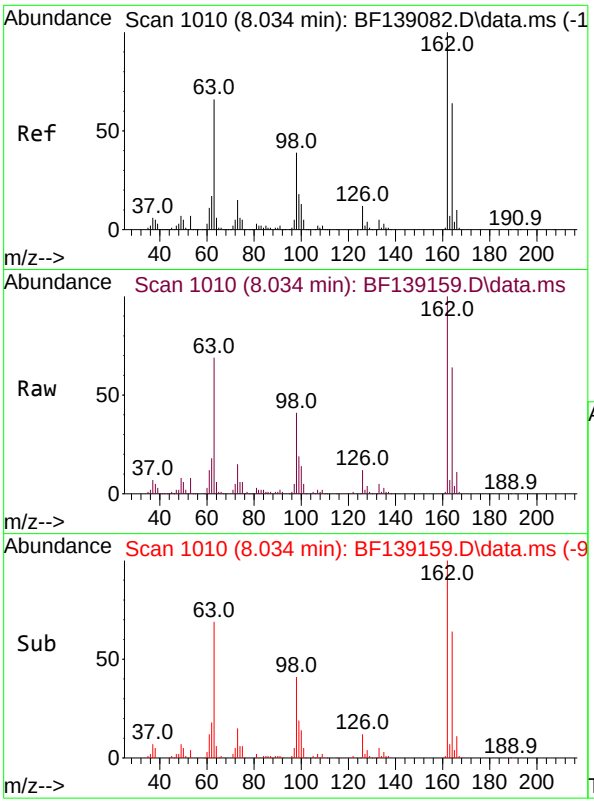


#28
bis(2-Chloroethoxy)methane
Concen: 41.352 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion: 93 Resp: 307711

Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.8	38.8
123	11.2	8.9	13.3

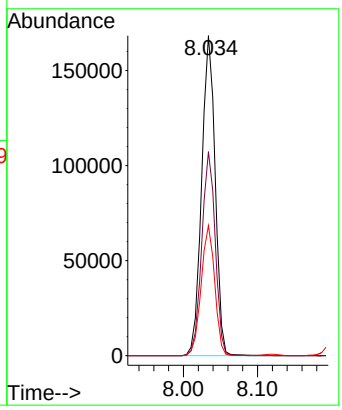




#29
2,4-Dichlorophenol
Concen: 42.430 ng
RT: 8.034 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:162 Resp: 21347

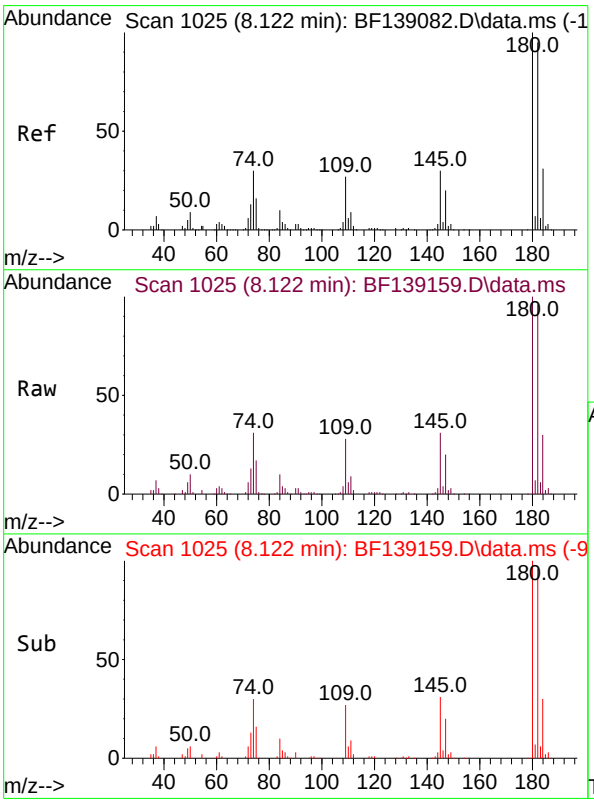
Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.9	83.9
98	40.6	19.7	59.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

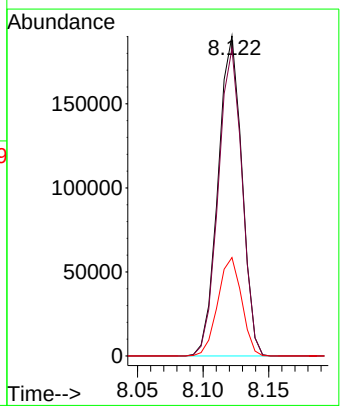
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

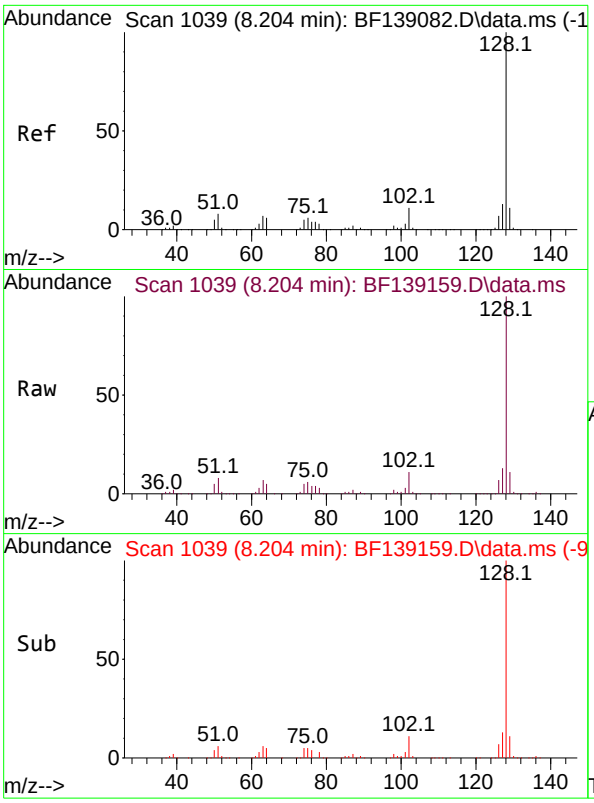


#30
1,2,4-Trichlorobenzene
Concen: 40.882 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:180 Resp: 240843

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
145	30.7	23.9	35.9

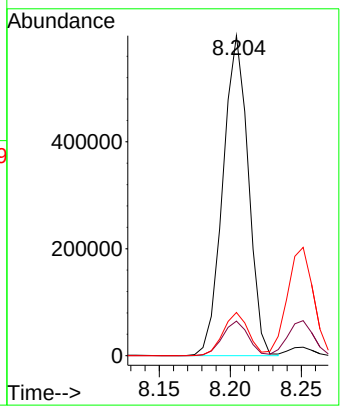




#31
Naphthalene
Concen: 42.074 ng
RT: 8.204 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:128 Resp: 74440(

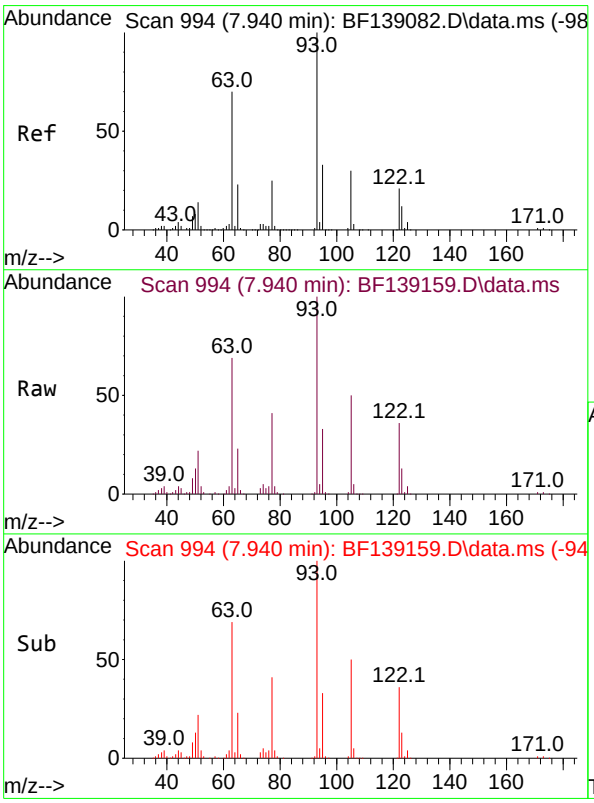
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.5	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

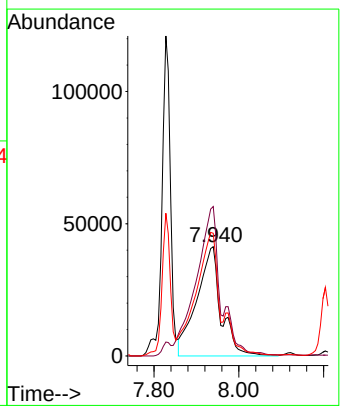
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

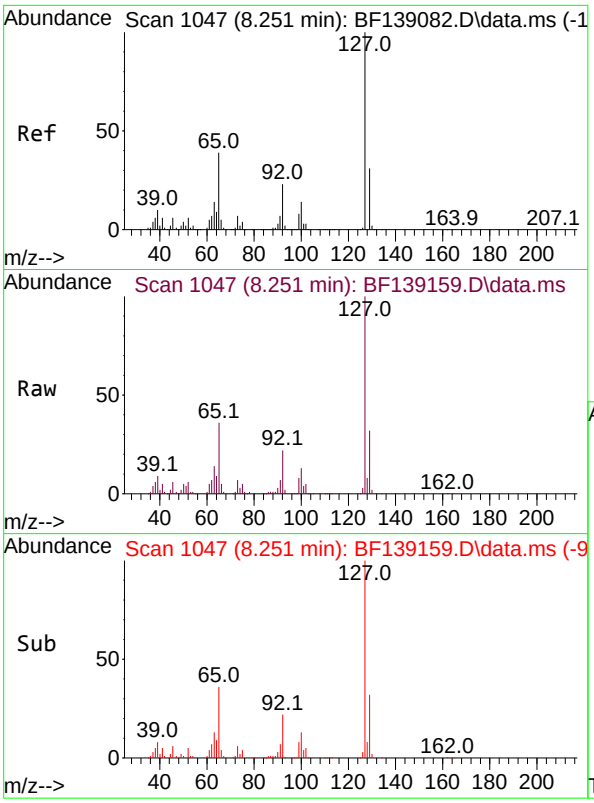


#32
Benzoic acid
Concen: 48.846 ng m
RT: 7.940 min Scan# 994
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:122 Resp: 164871

Ion	Ratio	Lower	Upper
122	100		
105	136.7	119.6	159.6
77	112.2	97.6	137.6

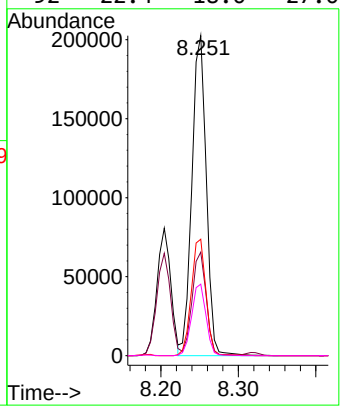




#33
4-Chloroaniline
Concen: 43.147 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:127 Resp: 26144

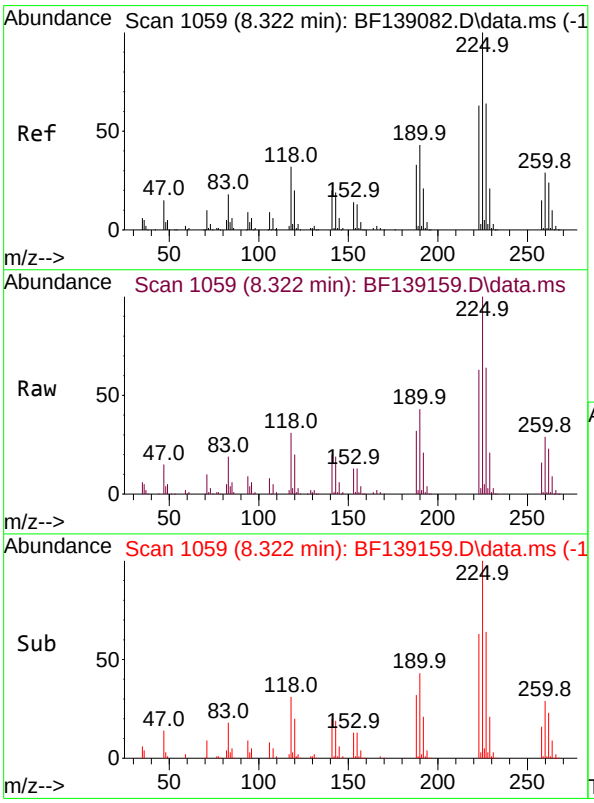
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.0	39.0
65	36.4	30.3	45.5
92	22.4	18.0	27.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

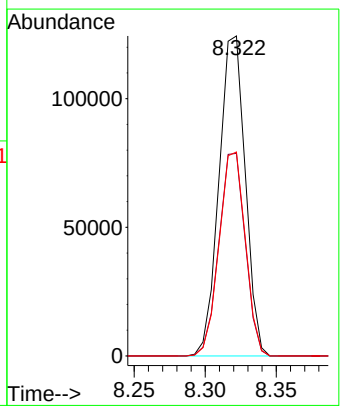
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

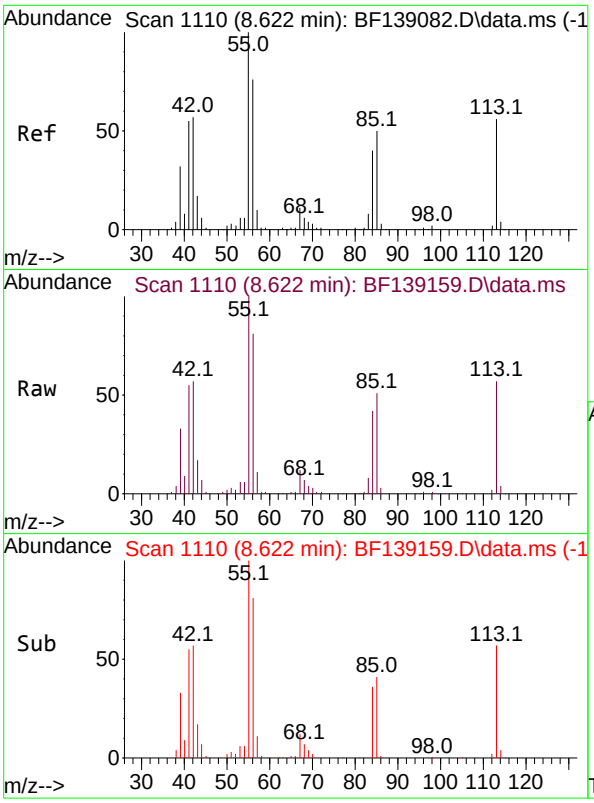


#34
Hexachlorobutadiene
Concen: 41.544 ng
RT: 8.322 min Scan# 1059
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:225 Resp: 159876

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.0	75.0
227	63.8	51.4	77.2





#35
Caprolactam
Concen: 45.804 ng
RT: 8.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

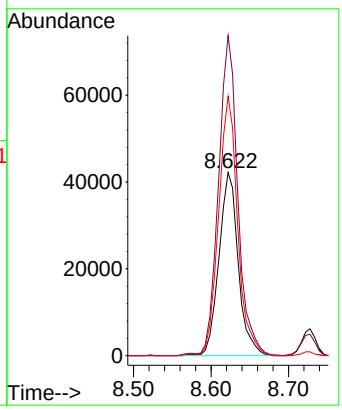
Tgt Ion:113 Resp: 7306

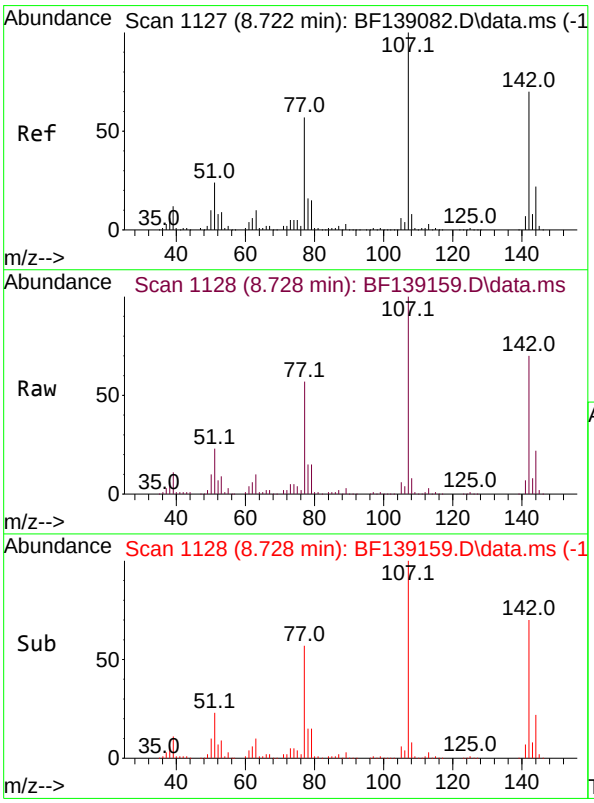
Ion	Ratio	Lower	Upper
113	100		
55	174.7	158.6	198.6
56	141.6	115.9	155.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

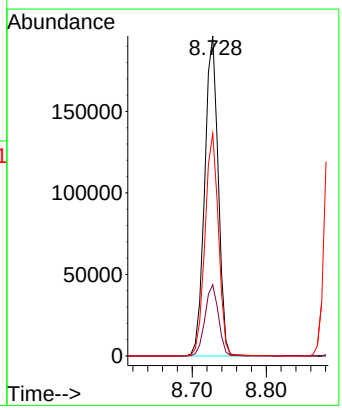


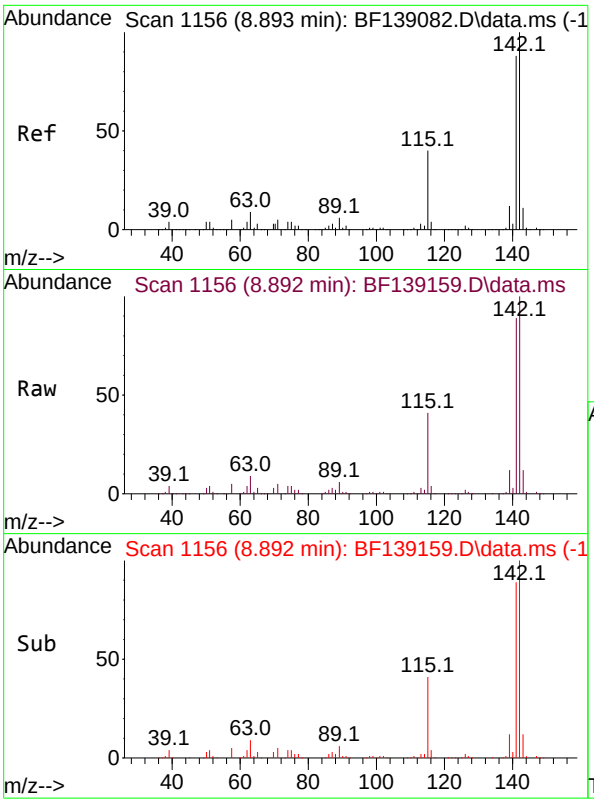


#36
4-Chloro-3-methylphenol
Concen: 44.640 ng
RT: 8.728 min Scan# 1128
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:107 Resp: 248676

Ion	Ratio	Lower	Upper
107	100		
144	22.3	17.7	26.5
142	69.5	55.6	83.4

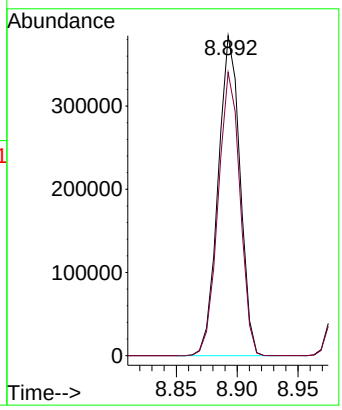




#37
2-Methylnaphthalene
Concen: 42.351 ng
RT: 8.892 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:142 Resp: 48061

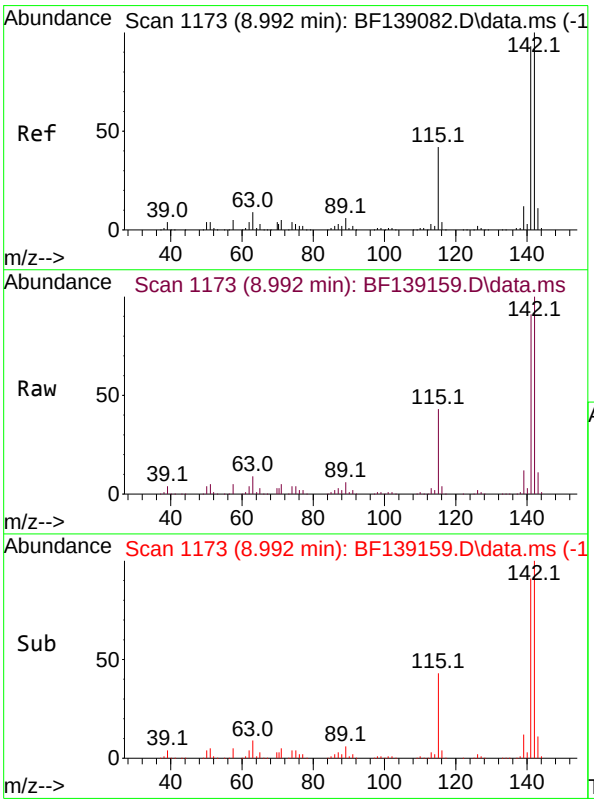
Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.6	105.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

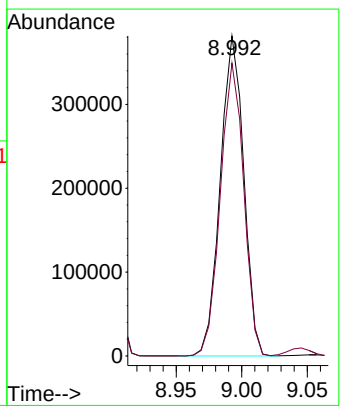
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

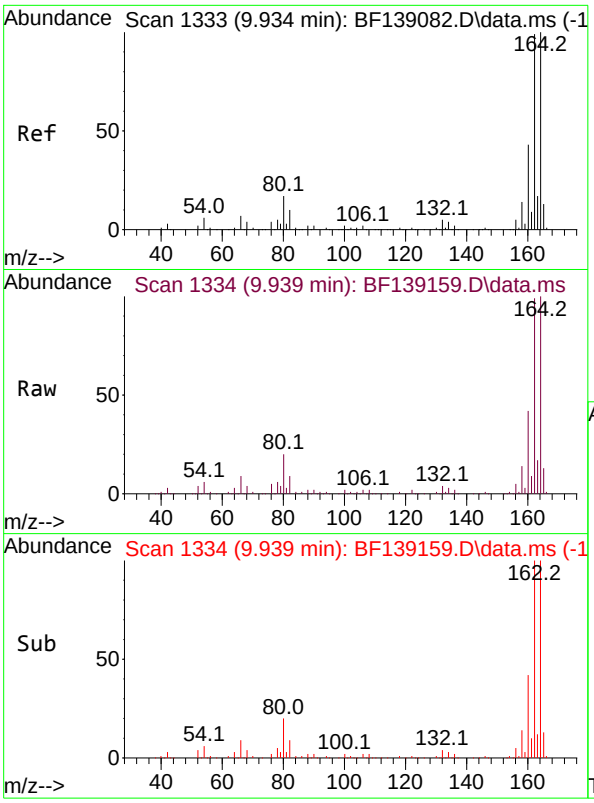


#38
1-Methylnaphthalene
Concen: 43.242 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:142 Resp: 473621

Ion	Ratio	Lower	Upper
142	100		
141	91.5	74.1	111.1

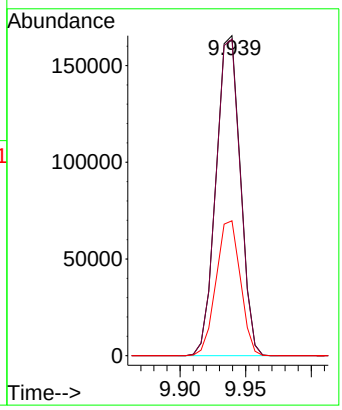




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:164 Resp: 21347

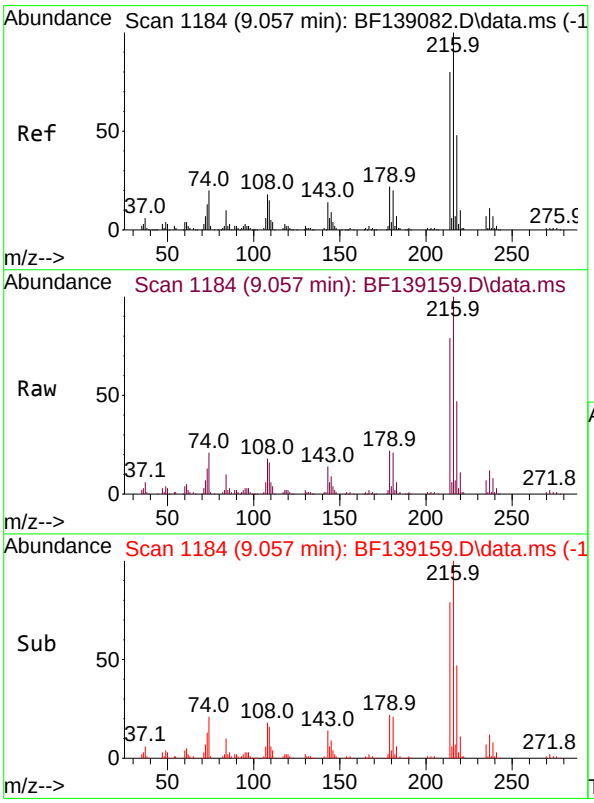
Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.5	119.3
160	42.1	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

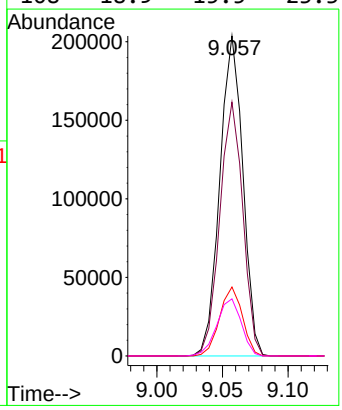
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

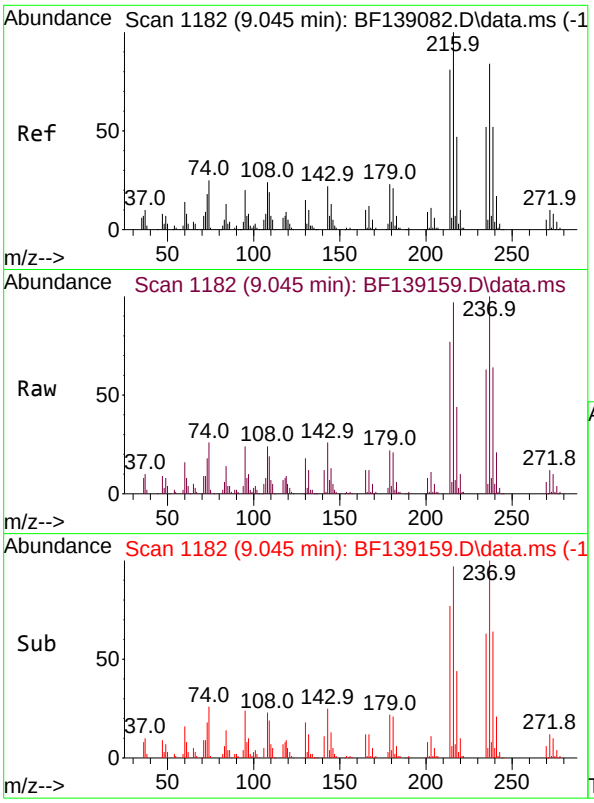


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.515 ng
RT: 9.057 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:216 Resp: 248855

Ion	Ratio	Lower	Upper
216	100		
214	79.0	64.2	96.2
179	21.3	17.4	26.2
108	18.9	15.5	23.3





#41
Hexachlorocyclopentadiene
Concen: 42.662 ng
RT: 9.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

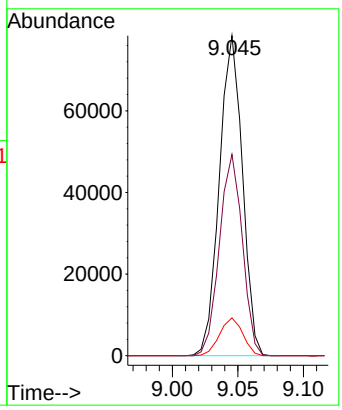
Tgt Ion:237 Resp: 9582

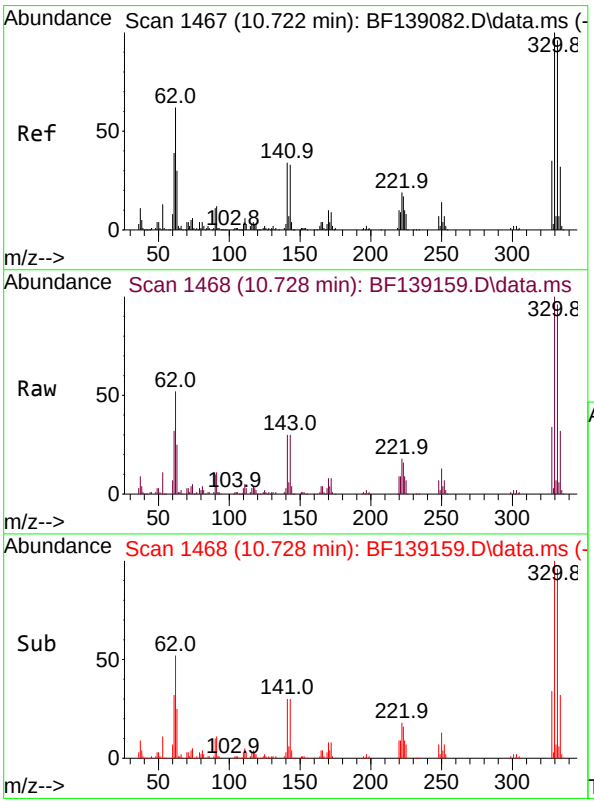
Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.5	82.5
272	11.8	0.0	32.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

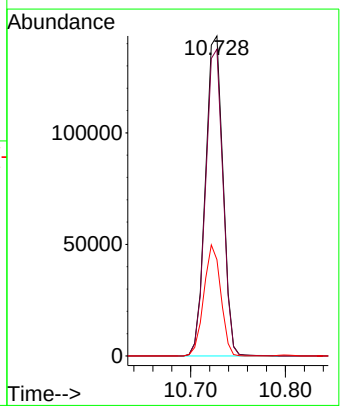


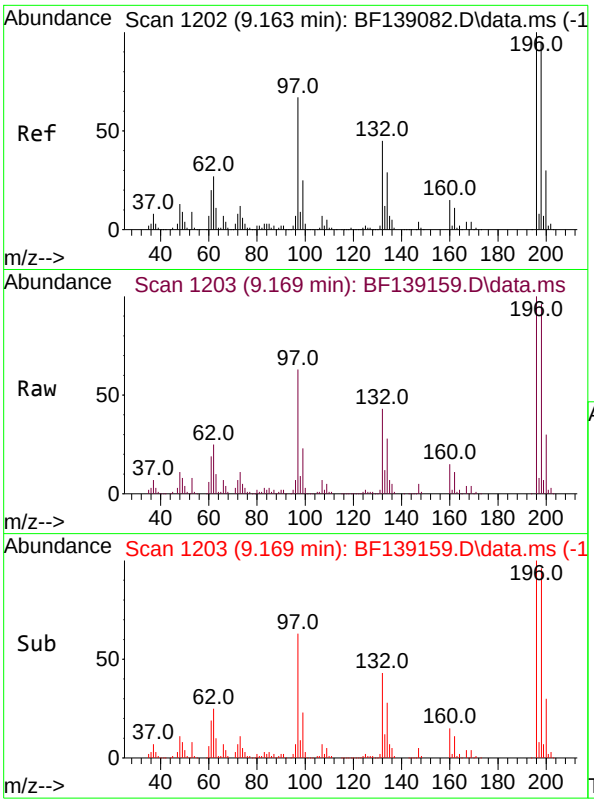


#42
2,4,6-Tribromophenol
Concen: 94.994 ng
RT: 10.728 min Scan# 1468
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:330 Resp: 183582

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	33.7	27.5	41.3

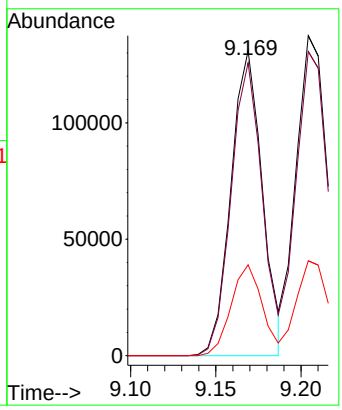




#43
2,4,6-Trichlorophenol
Concen: 42.526 ng
RT: 9.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:196 Resp: 16772

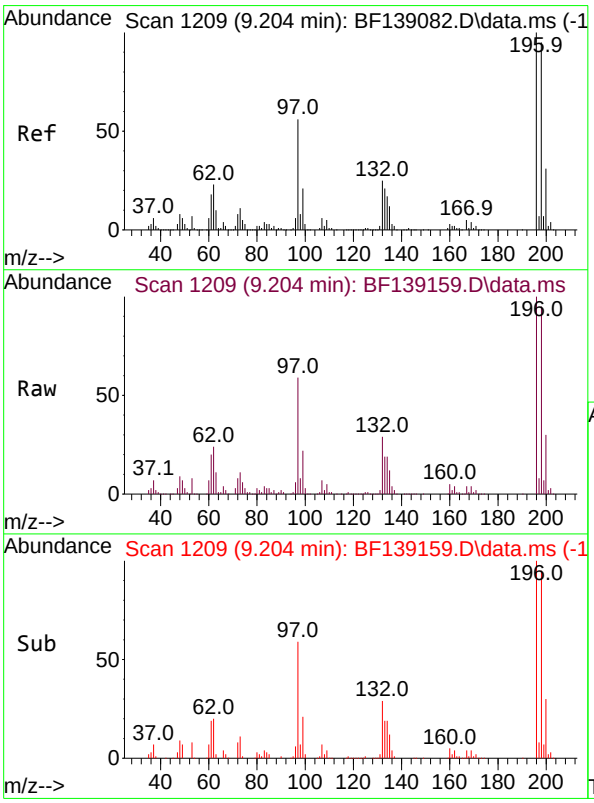
Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.4	114.6
200	29.8	23.8	35.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

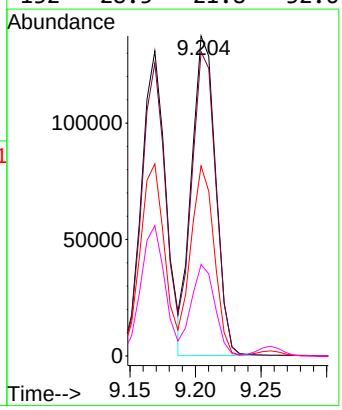
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

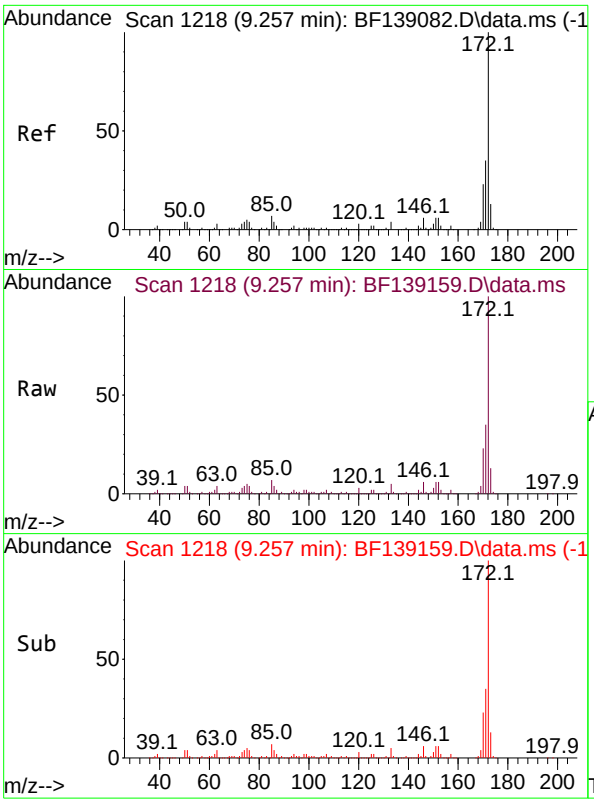


#44
2,4,5-Trichlorophenol
Concen: 43.264 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:196 Resp: 175149

Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.6	114.8
97	59.4	44.6	67.0
132	28.5	21.8	32.6

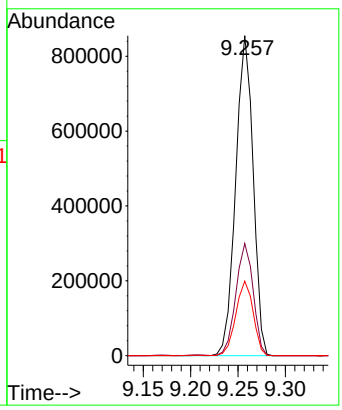




#45
2-Fluorobiphenyl
Concen: 81.168 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:172 Resp: 109210

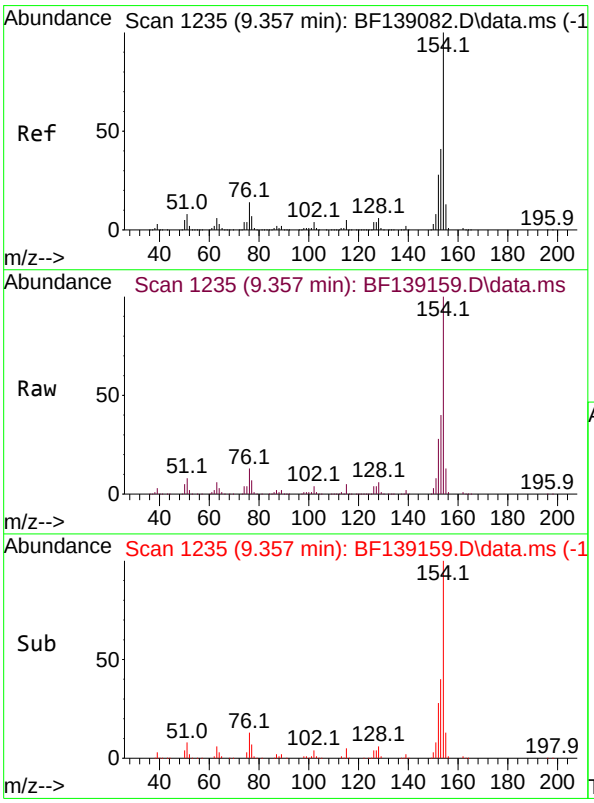
Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.4	42.6
170	23.3	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

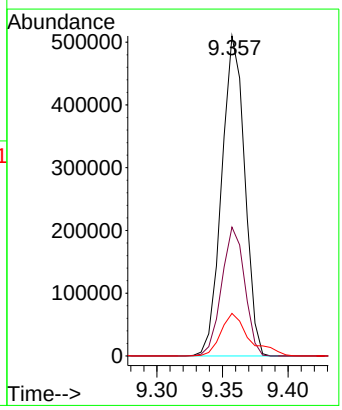
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

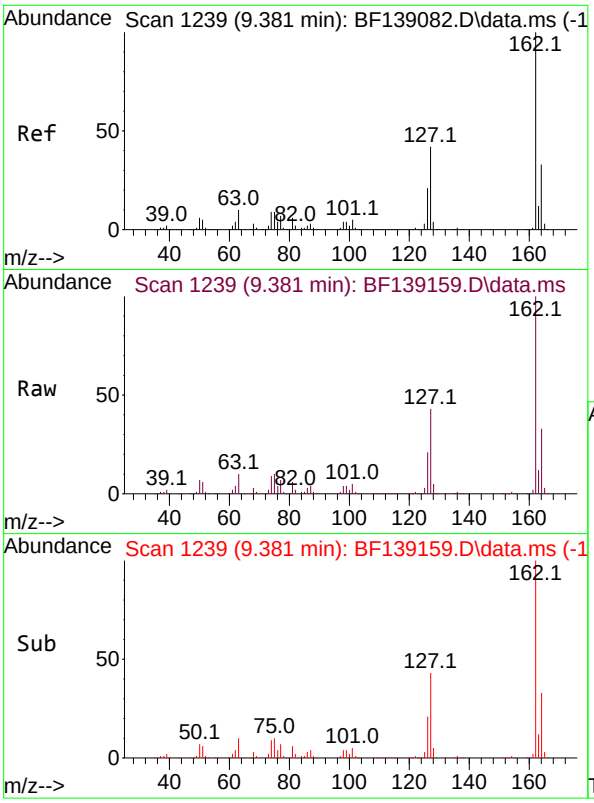


#46
1,1'-Biphenyl
Concen: 42.562 ng
RT: 9.357 min Scan# 1235
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:154 Resp: 622408

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.6	60.6
76	13.3	0.0	33.6

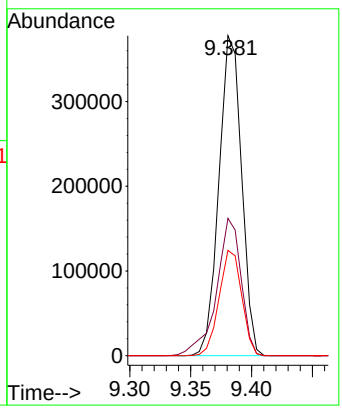




#47
2-Chloronaphthalene
Concen: 41.187 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:162 Resp: 48939

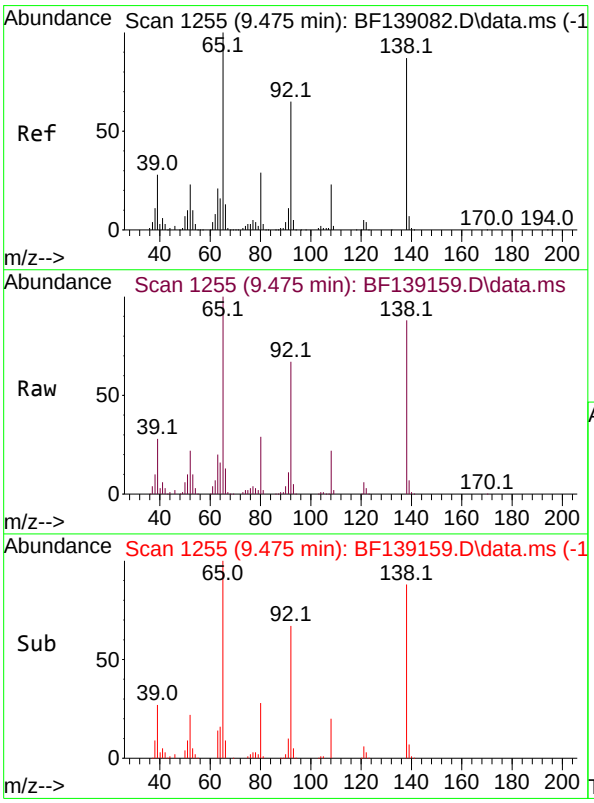
Ion	Ratio	Lower	Upper
162	100		
127	42.9	33.8	50.6
164	32.9	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

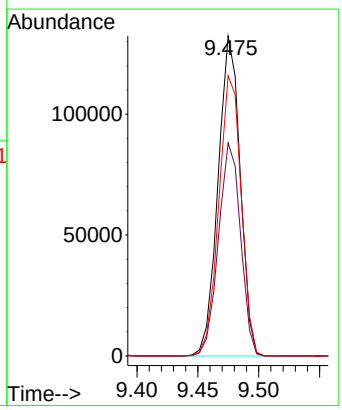
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

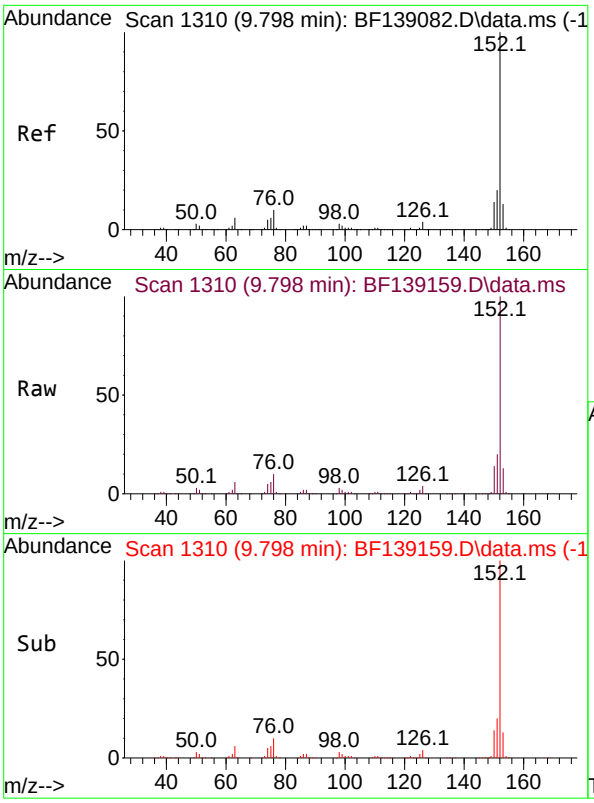


#48
2-Nitroaniline
Concen: 48.929 ng
RT: 9.475 min Scan# 1255
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion: 65 Resp: 167049

Ion	Ratio	Lower	Upper
65	100		
92	66.5	52.4	78.6
138	87.6	69.4	104.0

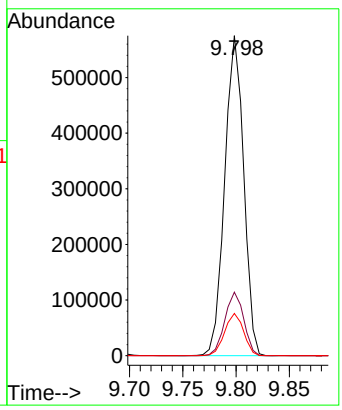




#49
Acenaphthylene
Concen: 41.783 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:152 Resp: 71118

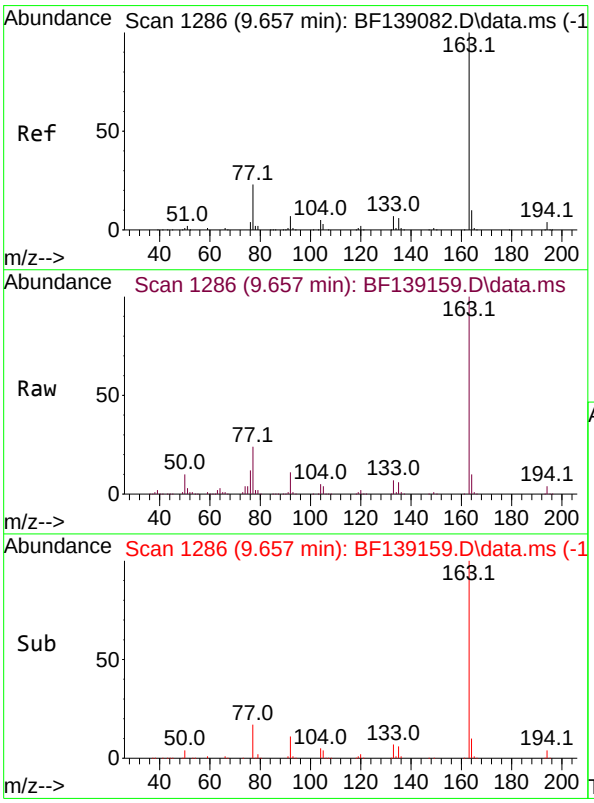
Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	13.2	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

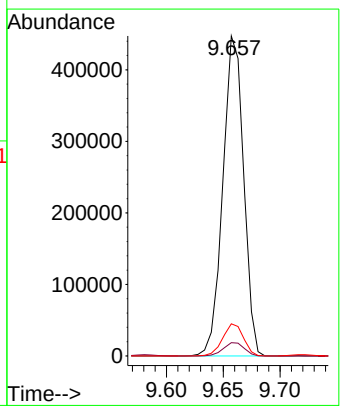
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

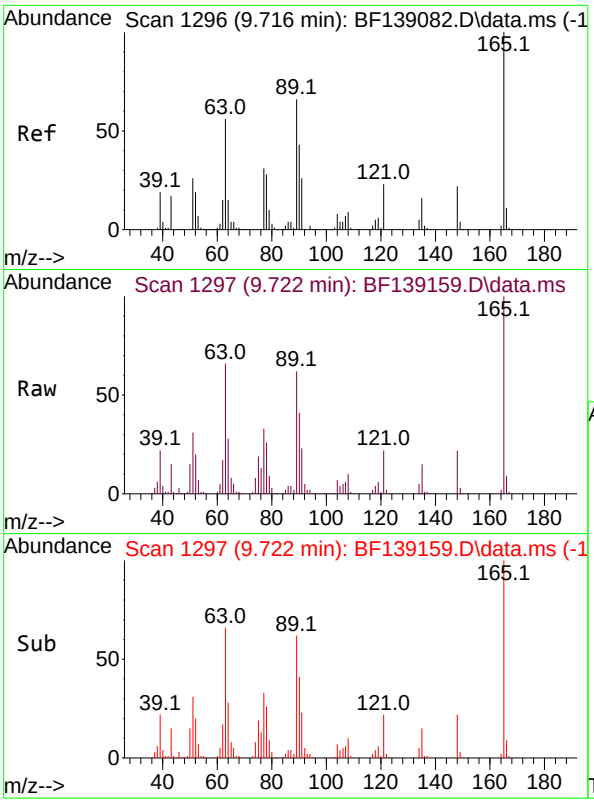


#50
Dimethylphthalate
Concen: 43.191 ng
RT: 9.657 min Scan# 1286
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:163 Resp: 569216

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.1	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 48.814 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

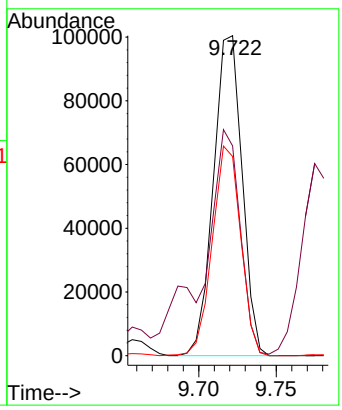
Tgt Ion:165 Resp: 12926

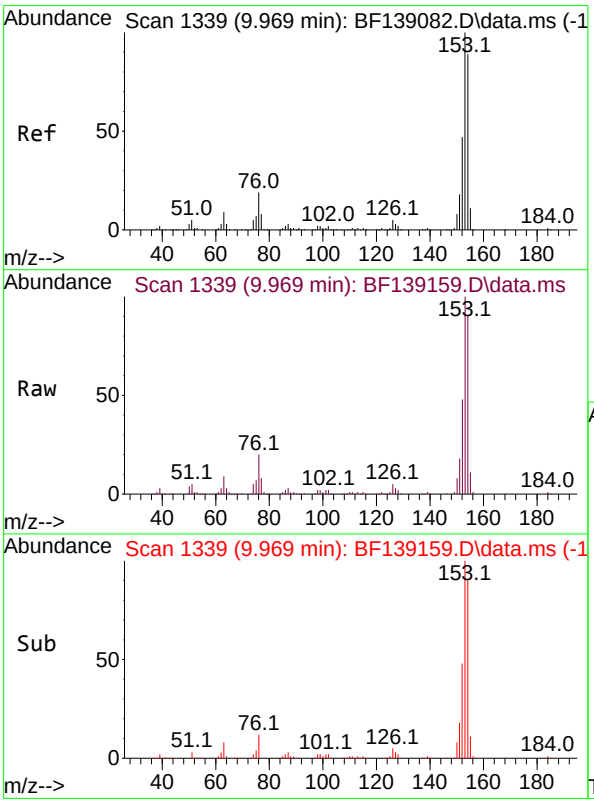
Ion	Ratio	Lower	Upper
165	100		
63	65.5	58.0	87.0
89	62.3	53.3	79.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

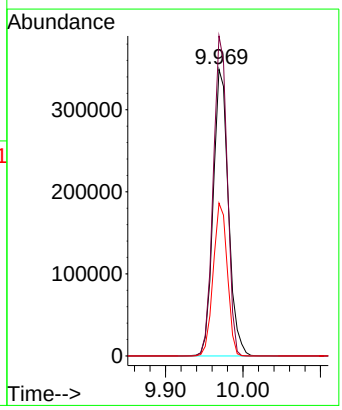


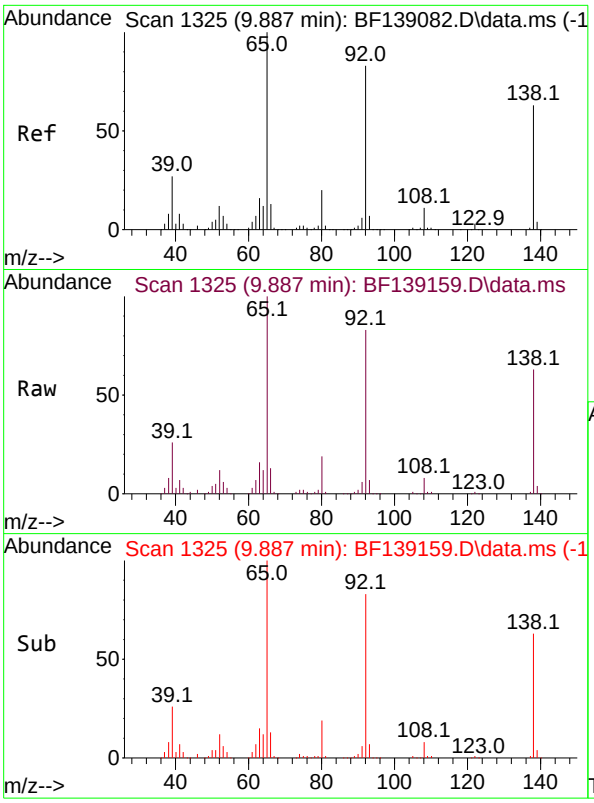


#52
Acenaphthene
Concen: 42.347 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:154 Resp: 476132

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.7	134.5
152	53.3	42.3	63.5





#53
3-Nitroaniline
Concen: 47.891 ng
RT: 9.887 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

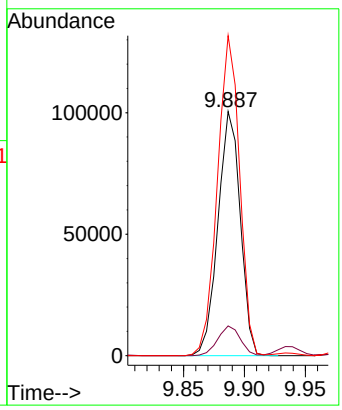
Tgt Ion:138 Resp: 12807

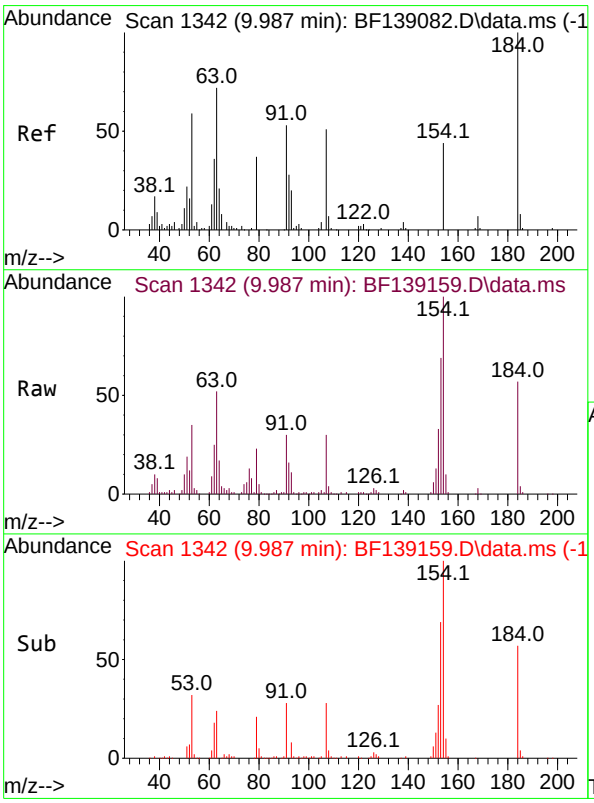
Ion	Ratio	Lower	Upper
138	100		
108	12.2	14.6	21.8
92	131.1	105.9	158.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

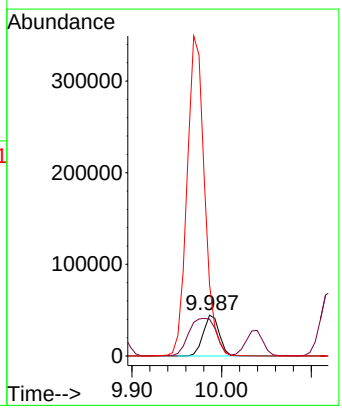


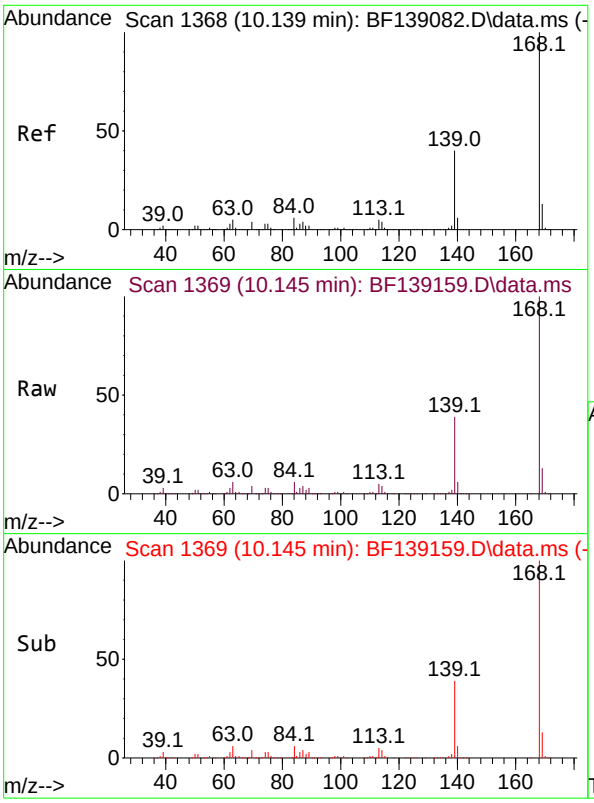


#54
2,4-Dinitrophenol
Concen: 57.682 ng
RT: 9.987 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:184 Resp: 55332

Ion	Ratio	Lower	Upper
184	100		
63	90.4	70.5	105.7
154	174.4	135.0	202.6

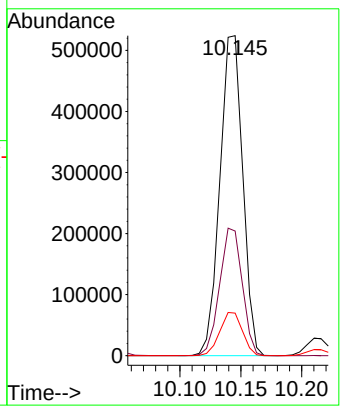




#55
Dibenzofuran
Concen: 41.973 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:168 Resp: 68546

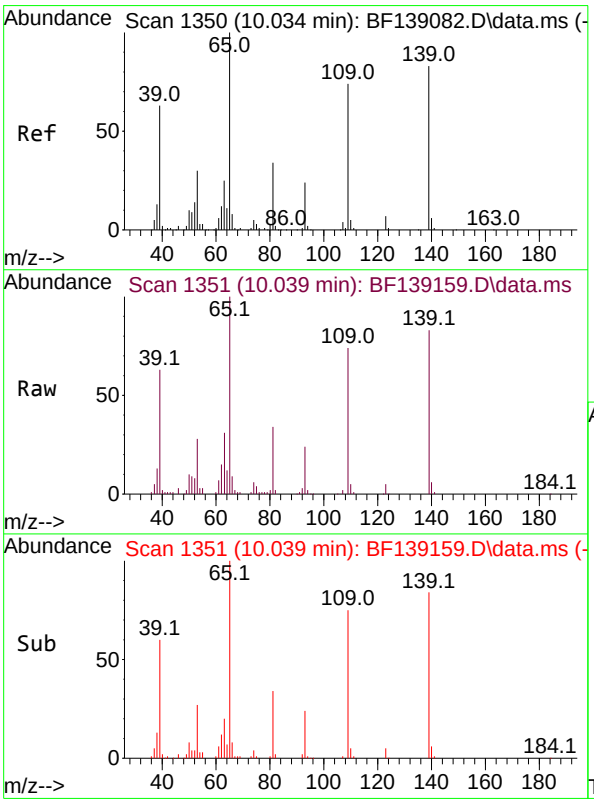
Ion	Ratio	Lower	Upper
168	100		
139	38.9	31.6	47.4
169	13.3	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

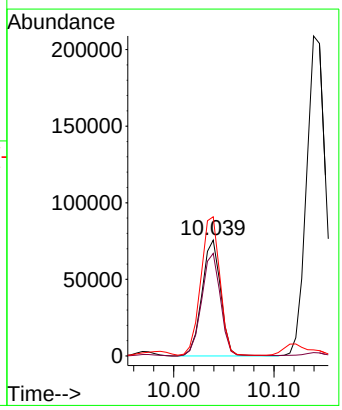
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

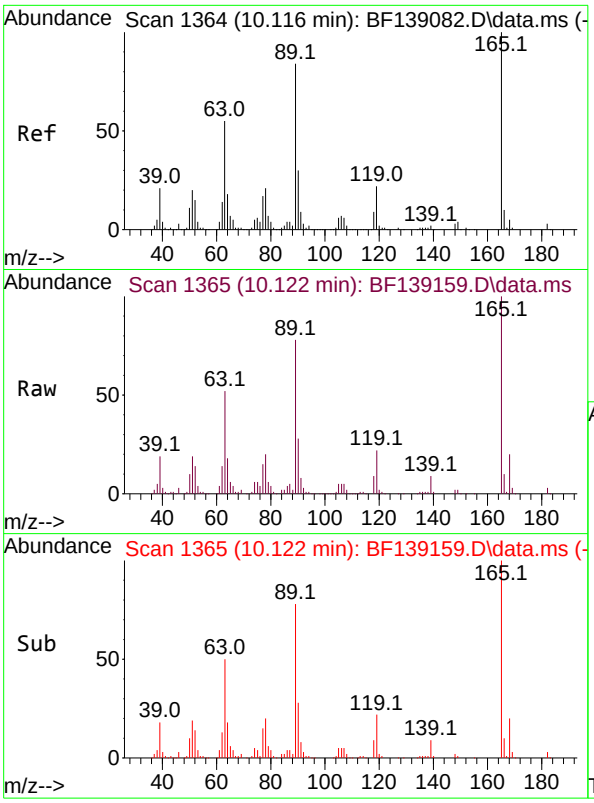


#56
4-Nitrophenol
Concen: 49.363 ng
RT: 10.039 min Scan# 1351
Delta R.T. 0.005 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:139 Resp: 98337

Ion	Ratio	Lower	Upper
139	100		
109	88.5	68.8	108.8
65	120.2	101.3	141.3

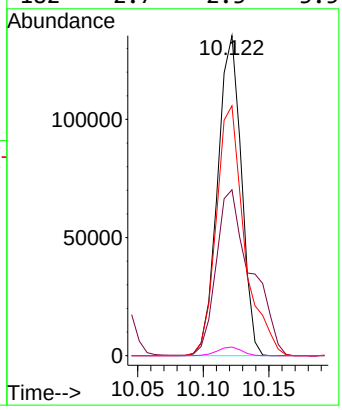




#57
2,4-Dinitrotoluene
Concen: 50.993 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:165 Resp: 17028

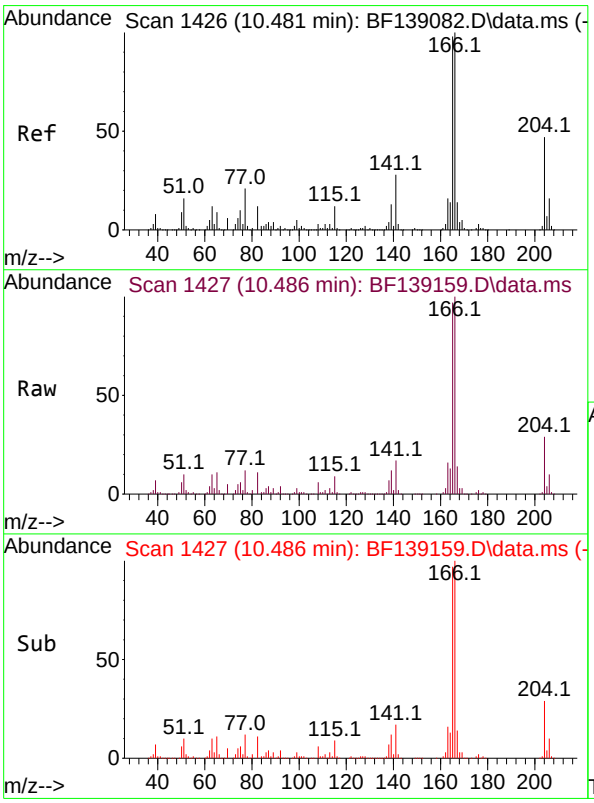
Ion	Ratio	Lower	Upper
165	100		
63	51.8	44.2	66.4
89	78.1	67.4	101.2
182	2.7	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

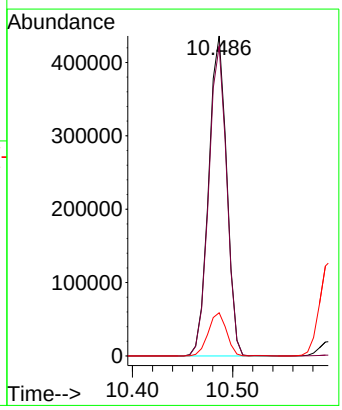
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

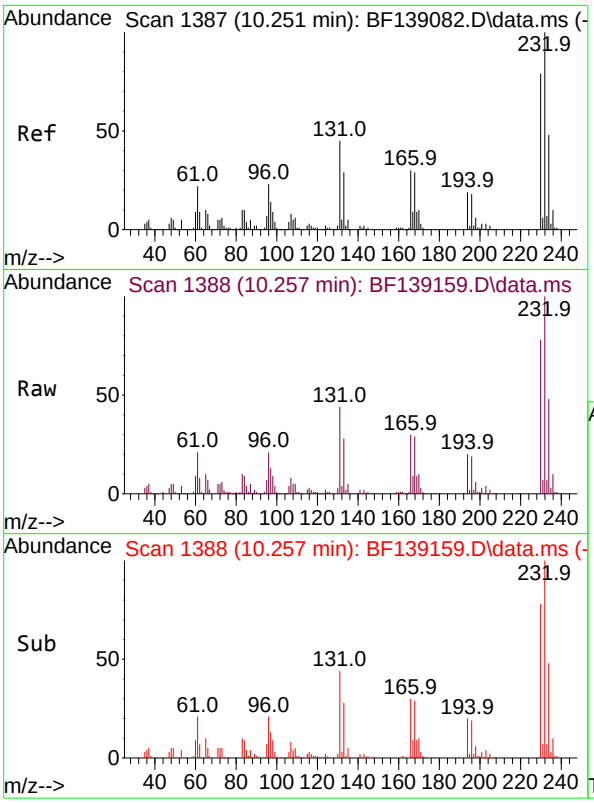


#58
Fluorene
Concen: 41.750 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:166 Resp: 544889

Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.0	117.0
167	13.5	11.0	16.4

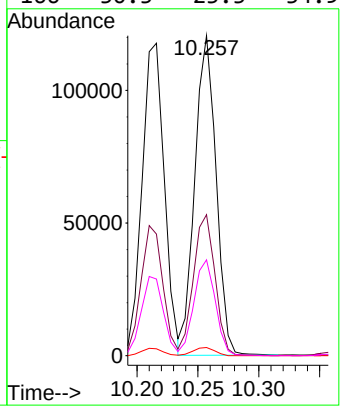




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.076 ng
RT: 10.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:232 Resp: 14652

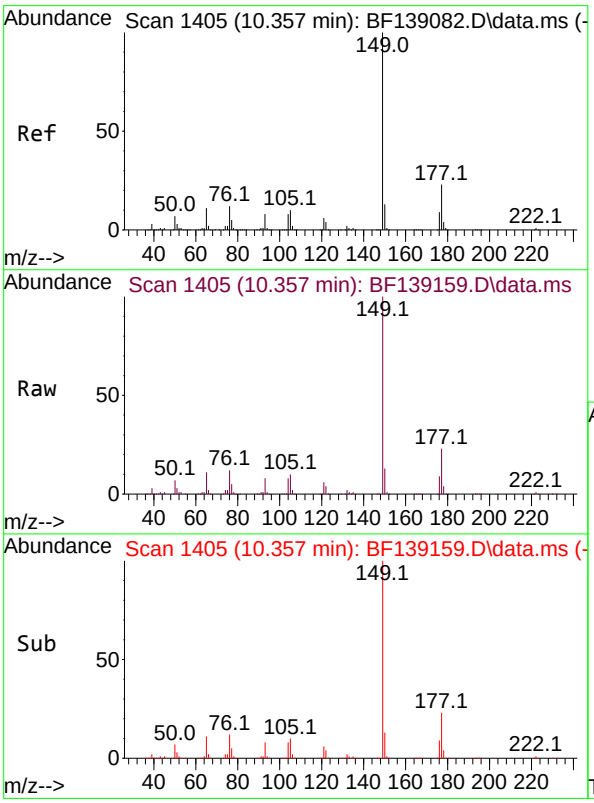
Ion	Ratio	Lower	Upper
232	100		
131	45.0	36.0	54.0
130	2.6	2.0	3.0
166	30.3	23.3	34.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

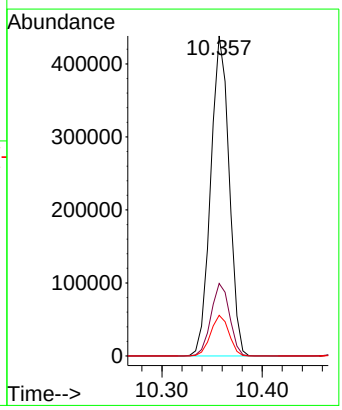
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

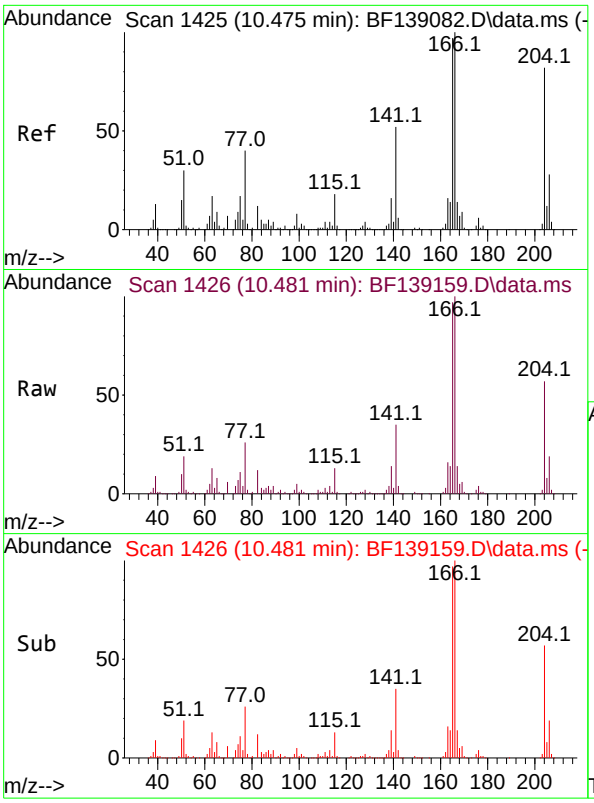


#60
Diethylphthalate
Concen: 42.905 ng
RT: 10.357 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:149 Resp: 560268

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.4	27.6
150	12.7	10.2	15.2

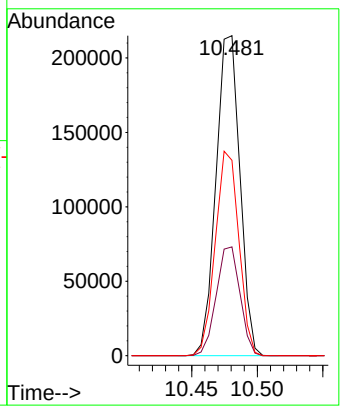




#61
4-Chlorophenyl-phenylether
Concen: 41.858 ng
RT: 10.481 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:204 Resp: 27284

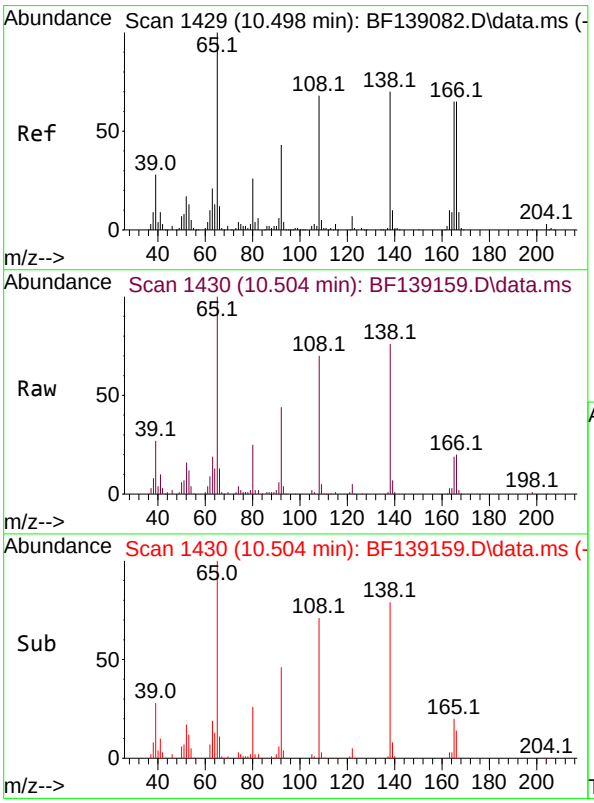
Ion	Ratio	Lower	Upper
204	100		
206	34.0	27.0	40.4
141	61.0	50.9	76.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

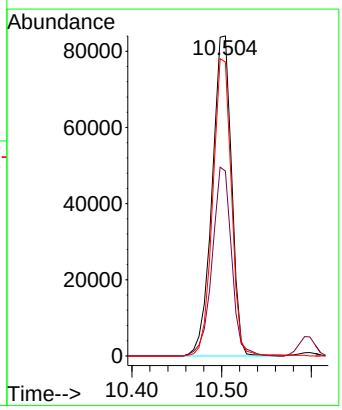
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

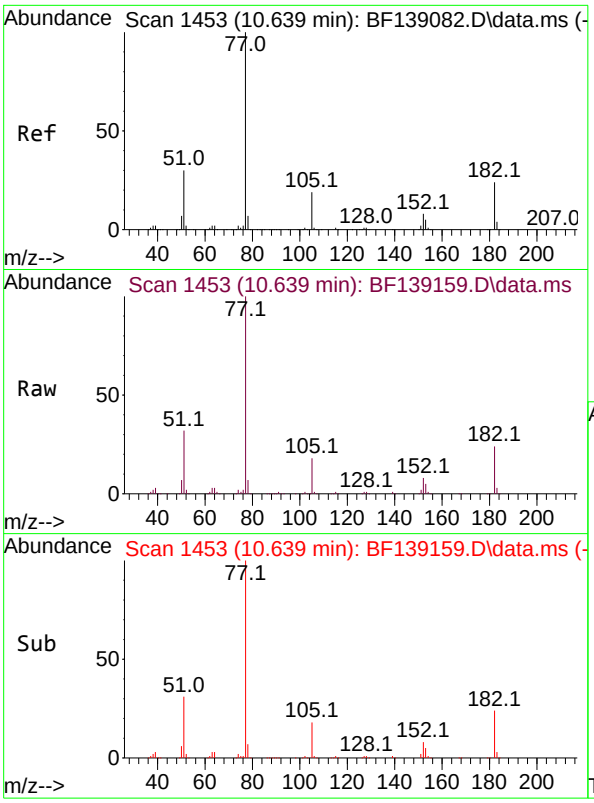


#62
4-Nitroaniline
Concen: 46.757 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:138 Resp: 126198

Ion	Ratio	Lower	Upper
138	100		
92	57.8	41.4	81.4
108	91.8	76.8	116.8

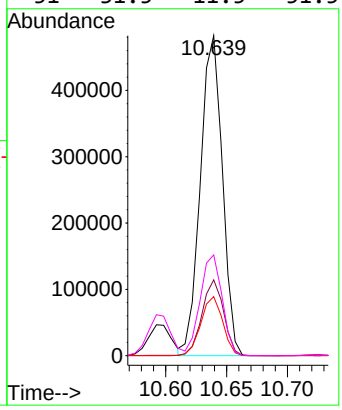




#63
Azobenzene
Concen: 41.922 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion: 77 Resp: 60835

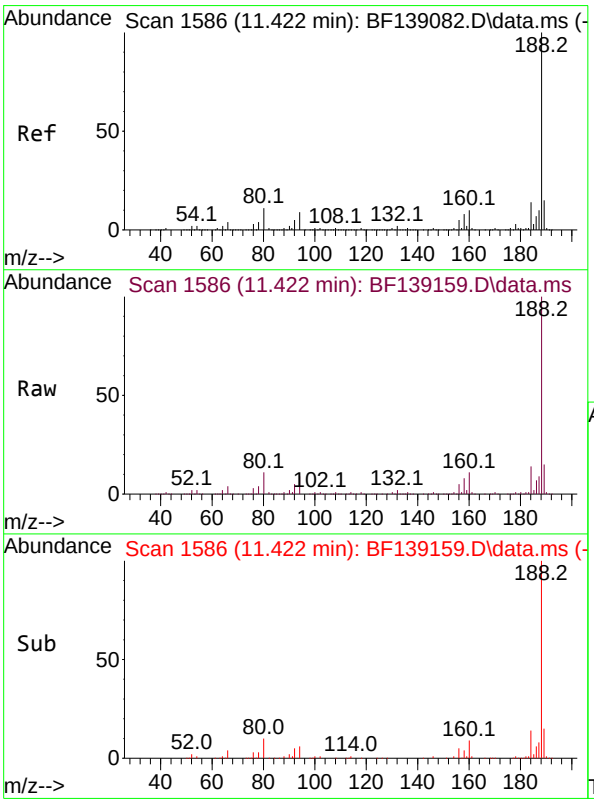
Ion	Ratio	Lower	Upper
77	100		
182	23.7	4.0	44.0
105	18.4	0.0	39.1
51	31.5	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

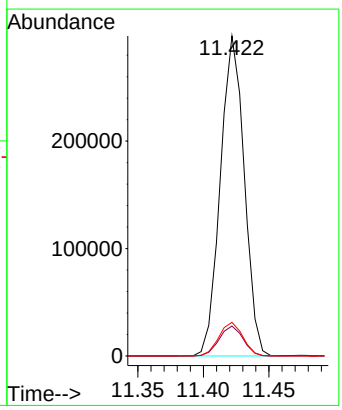
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

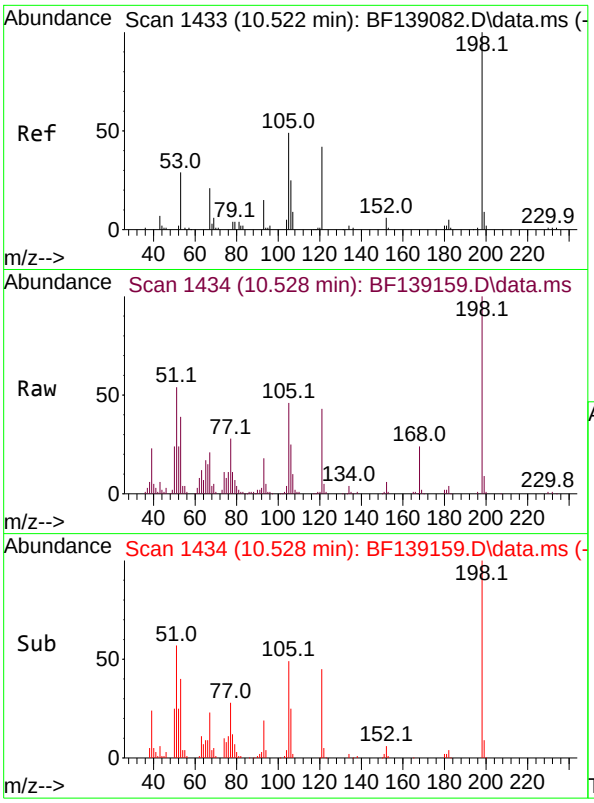


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:188 Resp: 377412

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.2	10.8
80	10.5	8.5	12.7

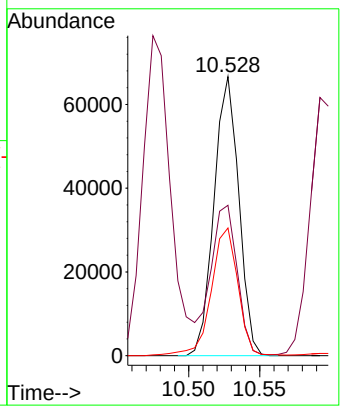




#65
4,6-Dinitro-2-methylphenol
Concen: 56.127 ng
RT: 10.528 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:198 Resp: 8077

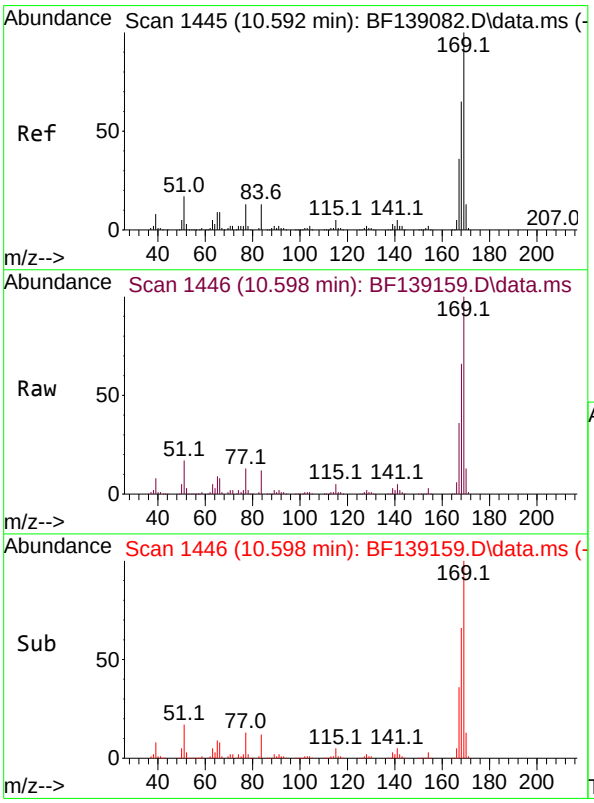
Ion	Ratio	Lower	Upper
198	100		
51	53.9	40.8	80.8
105	45.8	30.9	70.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

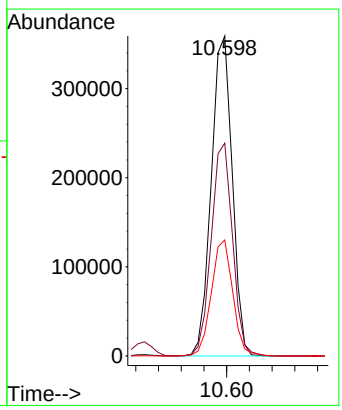
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

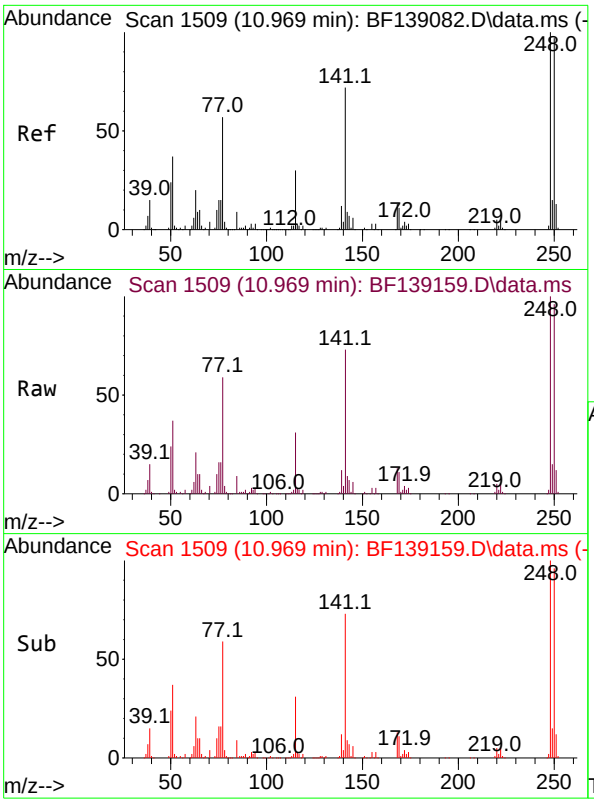


#66
n-Nitrosodiphenylamine
Concen: 41.237 ng
RT: 10.598 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:169 Resp: 460508

Ion	Ratio	Lower	Upper
169	100		
168	66.5	52.4	78.6
167	36.2	28.6	43.0

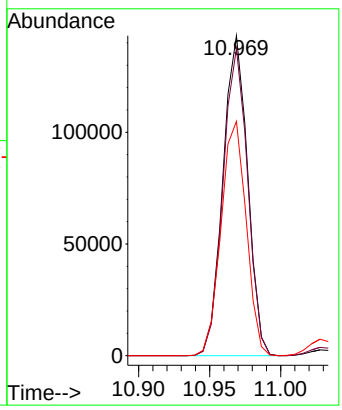




#67
4-Bromophenyl-phenylether
Concen: 43.228 ng
RT: 10.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:248 Resp: 17287

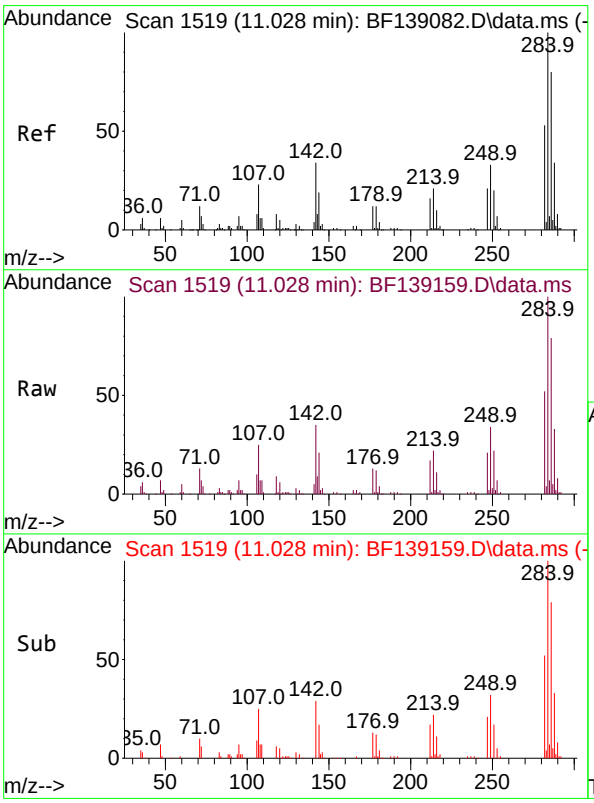
Ion	Ratio	Lower	Upper
248	100		
250	96.0	77.8	116.8
141	73.3	57.9	86.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

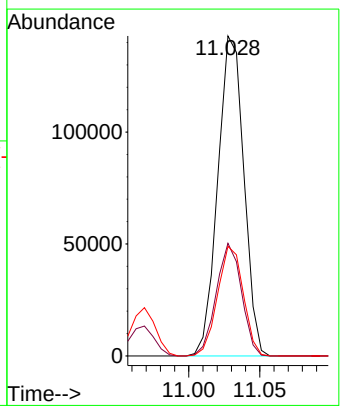
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

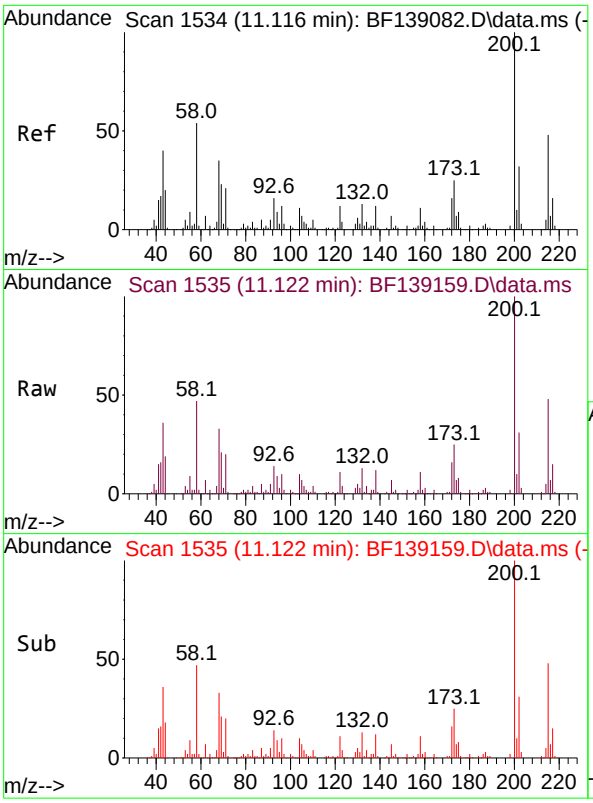


#68
Hexachlorobenzene
Concen: 42.481 ng
RT: 11.028 min Scan# 1519
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:284 Resp: 182262

Ion	Ratio	Lower	Upper
284	100		
142	35.2	27.1	40.7
249	34.3	26.8	40.2





#69
Atrazine
Concen: 37.029 ng
RT: 11.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

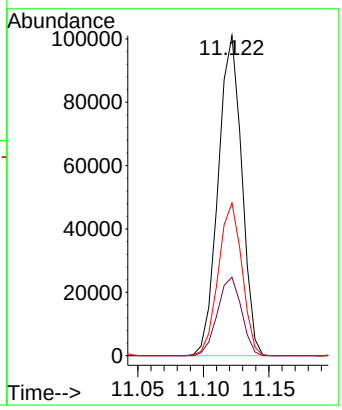
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

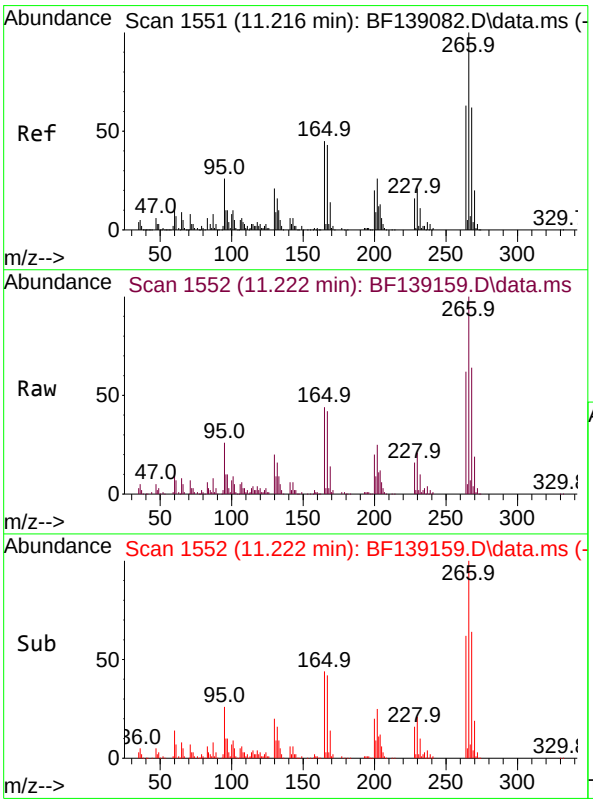
Tgt Ion:200 Resp: 12629

Ion	Ratio	Lower	Upper
200	100		
173	24.6	5.2	45.2
215	47.7	27.9	67.9

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

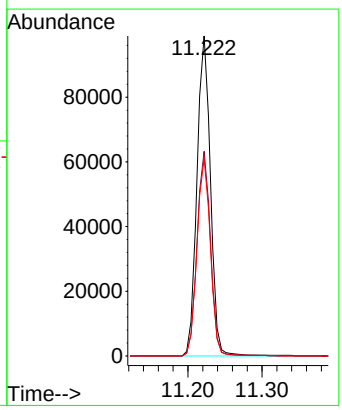


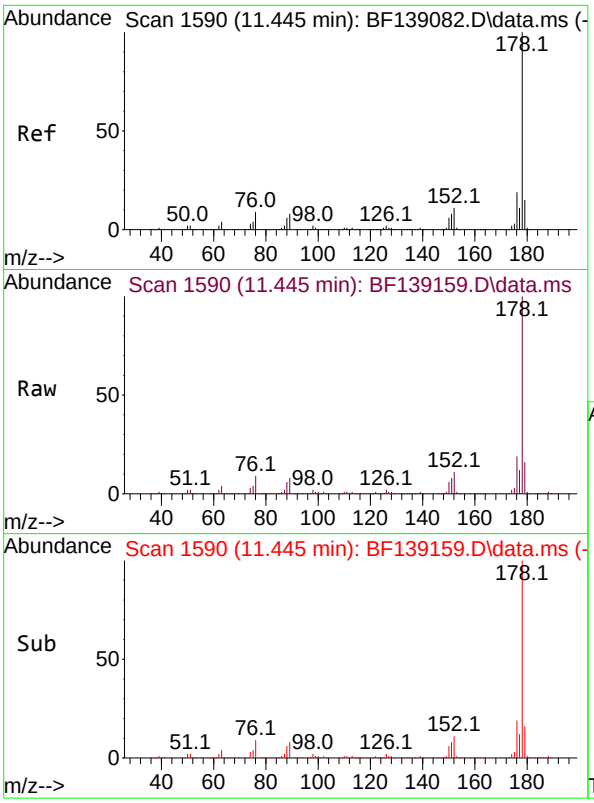


#70
Pentachlorophenol
Concen: 45.528 ng
RT: 11.222 min Scan# 1552
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:266 Resp: 124776

Ion	Ratio	Lower	Upper
266	100		
268	64.0	49.5	74.3
264	61.7	50.0	75.0

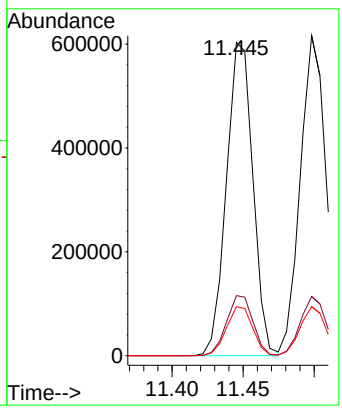




#71
Phenanthrene
Concen: 40.797 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:178 Resp: 78260

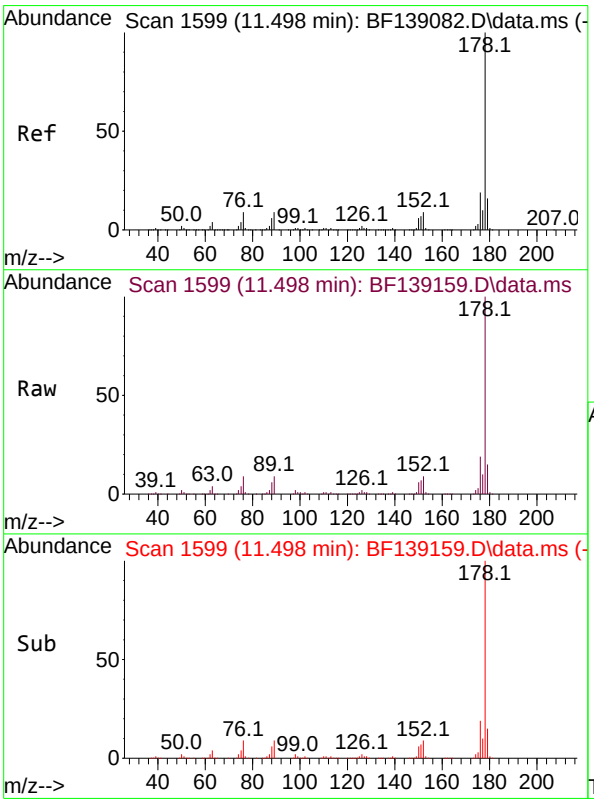
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.7	12.3	18.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

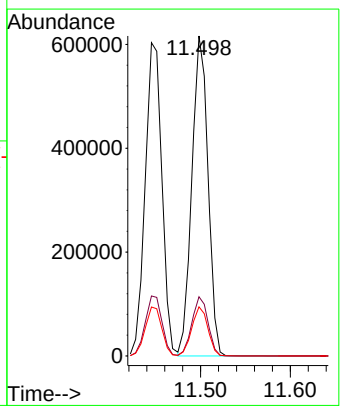
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

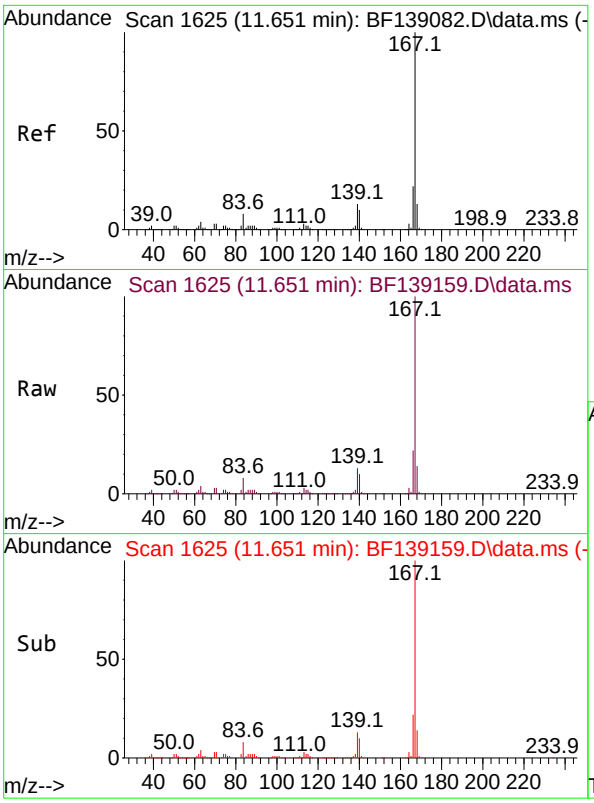


#72
Anthracene
Concen: 41.013 ng
RT: 11.498 min Scan# 1599
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:178 Resp: 769419

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	15.4	12.4	18.6

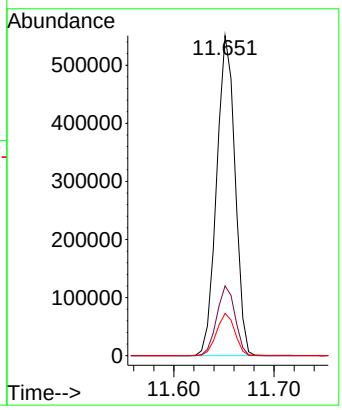




#73
Carbazole
Concen: 40.056 ng
RT: 11.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:167 Resp: 70171

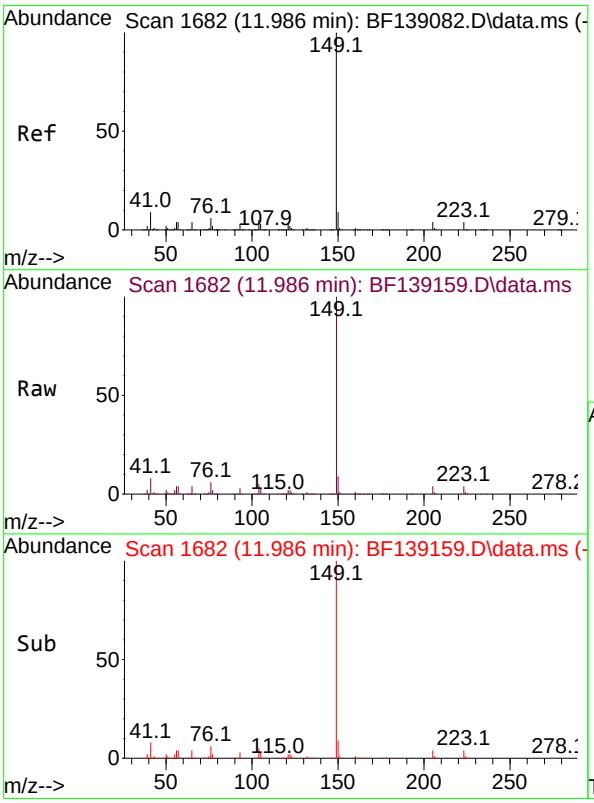
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.3	25.9
139	13.2	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

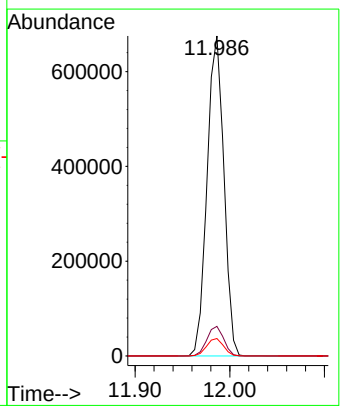
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

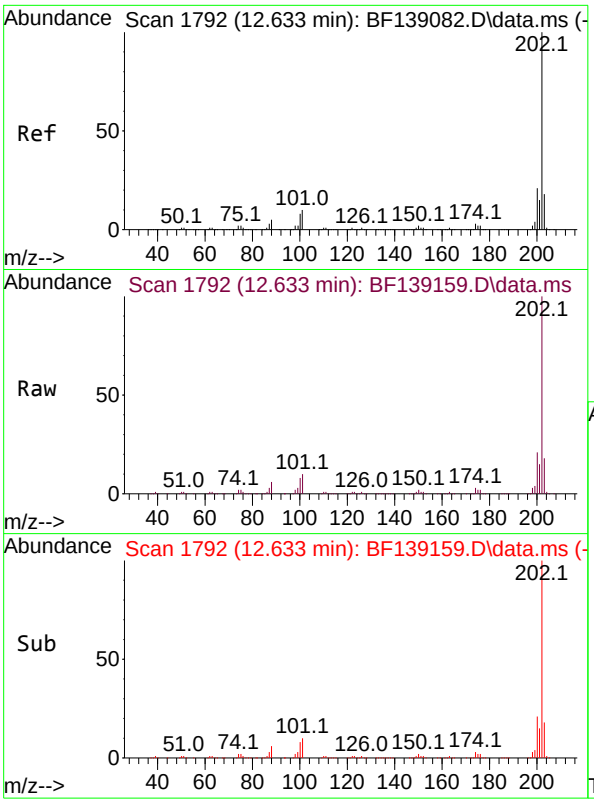


#74
Di-n-butylphthalate
Concen: 40.919 ng
RT: 11.986 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:149 Resp: 831186

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.4	4.3	6.5





#75
Fluoranthene
Concen: 38.590 ng
RT: 12.633 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

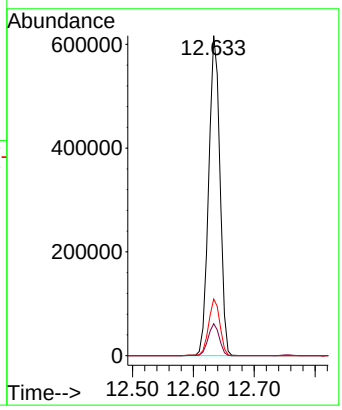
Tgt Ion:202 Resp: 79012

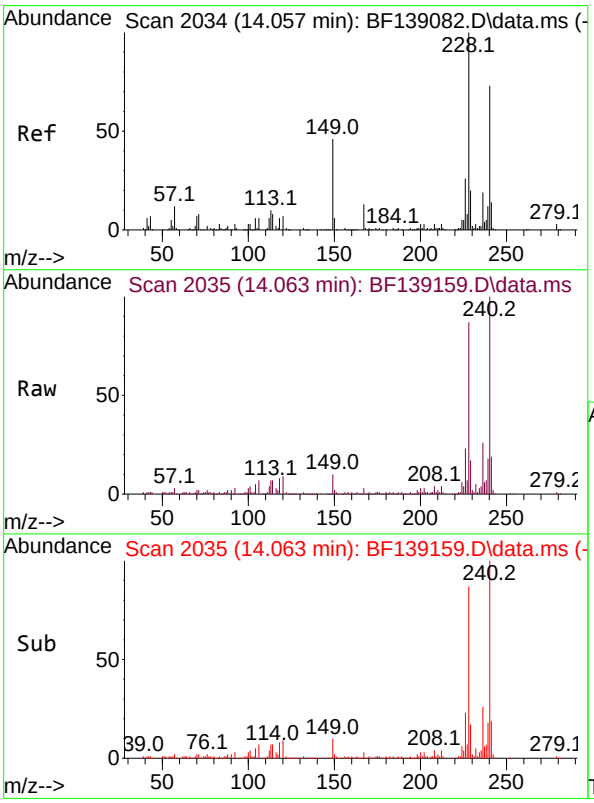
Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.2
203	17.7	0.0	37.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

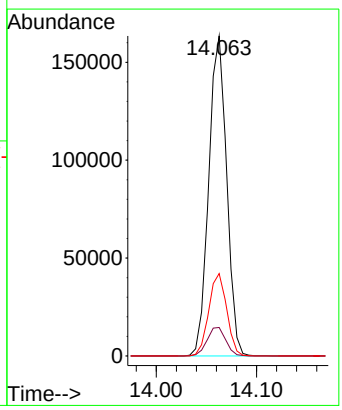


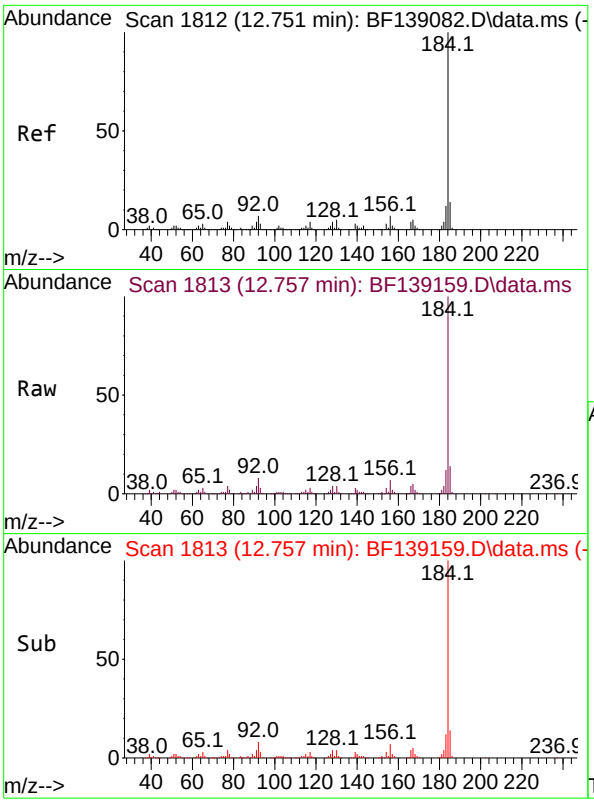


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:240 Resp: 203247

Ion	Ratio	Lower	Upper
240	100		
120	8.9	7.8	11.6
236	25.8	20.9	31.3





#77
Benzidine
Concen: 57.437 ng
RT: 12.757 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

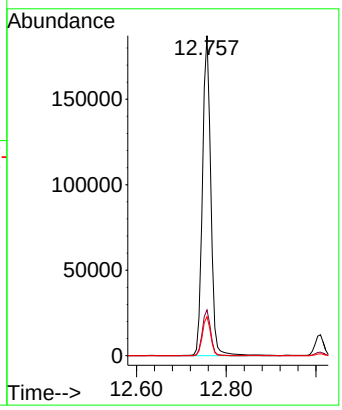
Tgt Ion:184 Resp: 24114

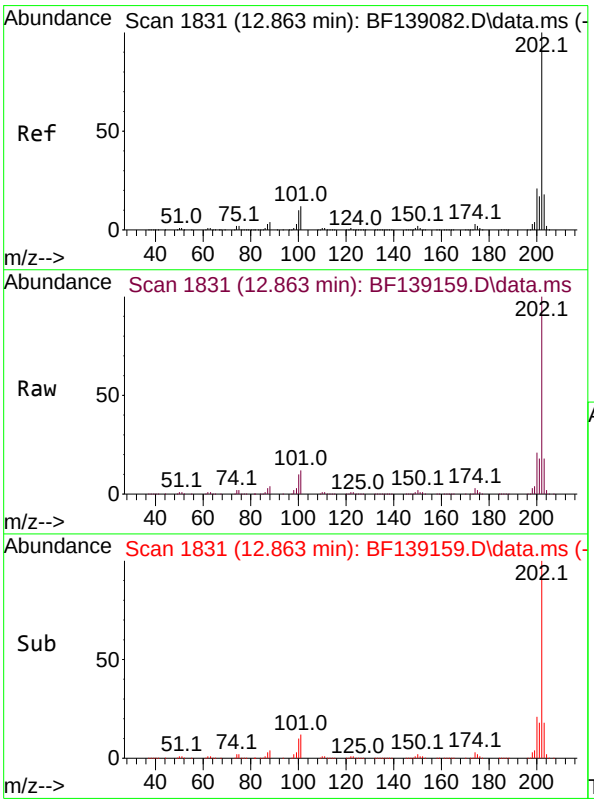
Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.5	17.3
183	12.2	9.8	14.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

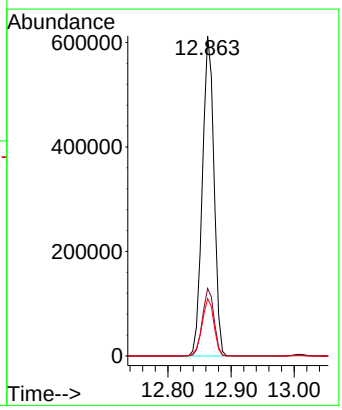


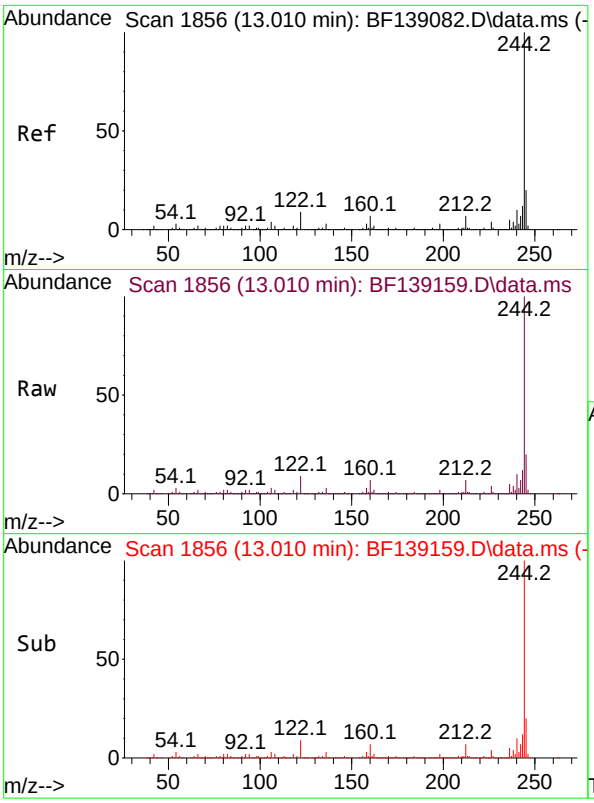


#78
Pyrene
Concen: 46.244 ng
RT: 12.863 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:202 Resp: 784363

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.6
203	17.9	14.1	21.1

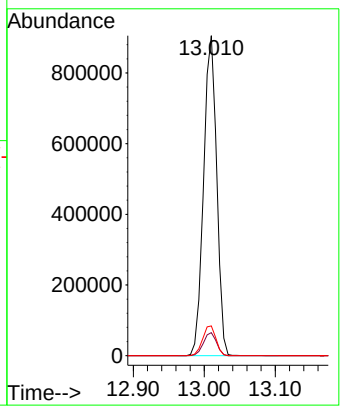




#79
Terphenyl-d14
Concen: 94.987 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:244 Resp: 116350

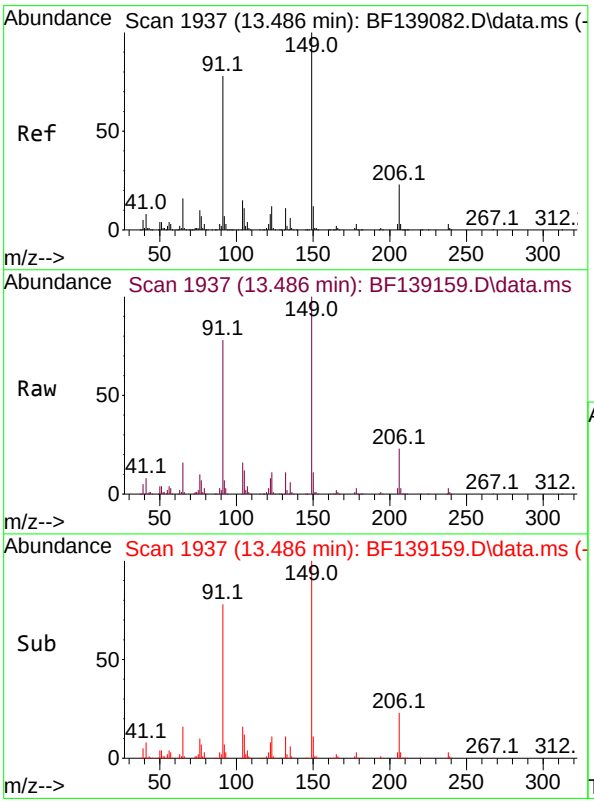
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.3	7.6	11.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

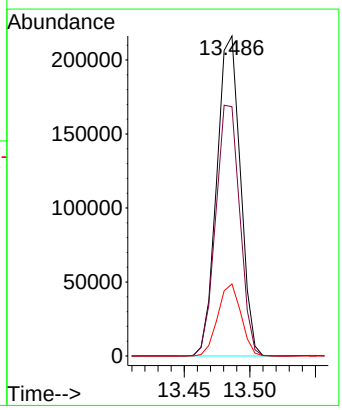
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

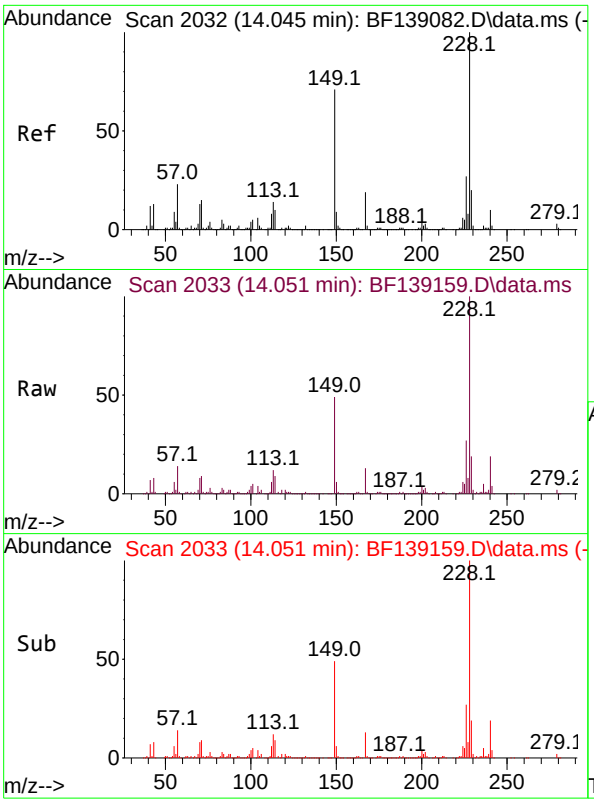


#80
Butylbenzylphthalate
Concen: 46.159 ng
RT: 13.486 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:149 Resp: 270857

Ion	Ratio	Lower	Upper
149	100		
91	77.9	62.1	93.1
206	22.5	18.0	27.0

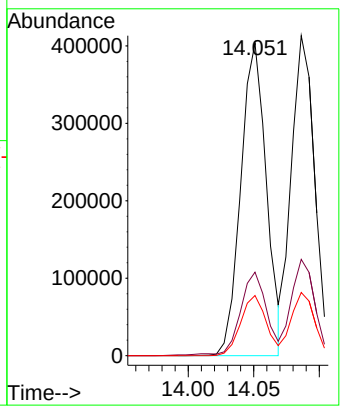




#81
Benzo(a)anthracene
Concen: 41.082 ng
RT: 14.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:228 Resp: 54888

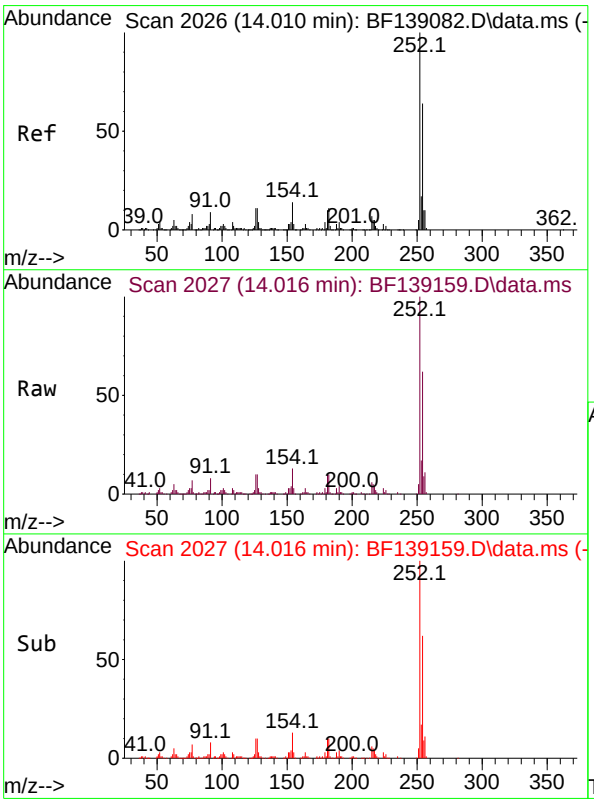
Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.9	32.9
229	19.3	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

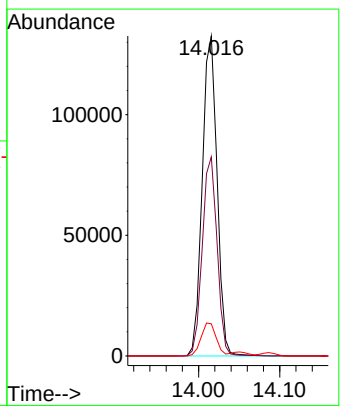
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

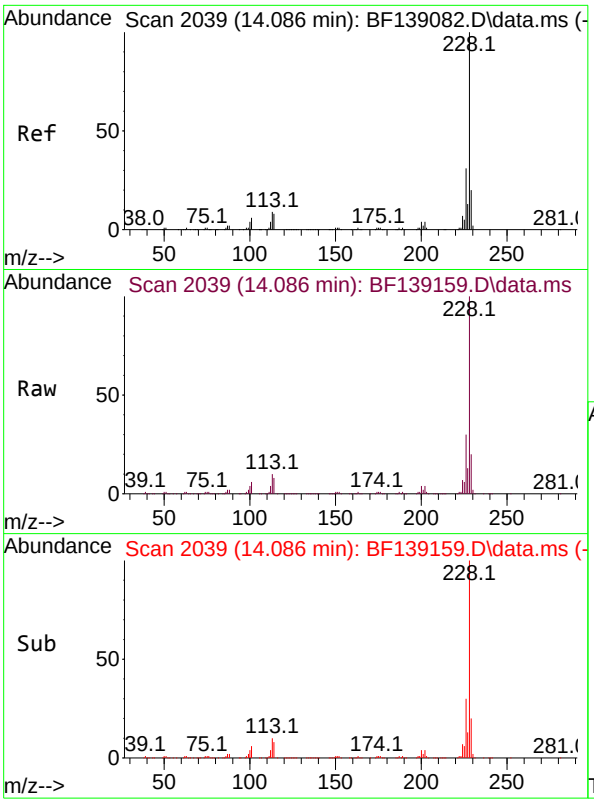


#82
3,3'-Dichlorobenzidine
Concen: 44.900 ng
RT: 14.016 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:252 Resp: 167683

Ion	Ratio	Lower	Upper
252	100		
254	62.2	51.4	77.0
126	10.0	8.6	12.8

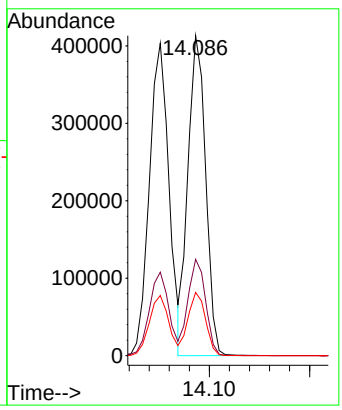




#83
Chrysene
Concen: 41.808 ng
RT: 14.086 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:228 Resp: 50630(

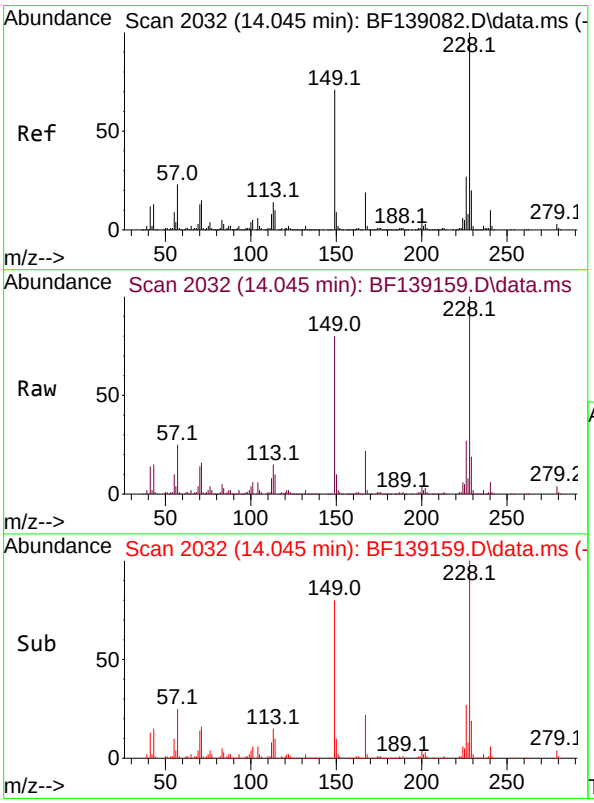
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.3	36.5
229	19.7	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

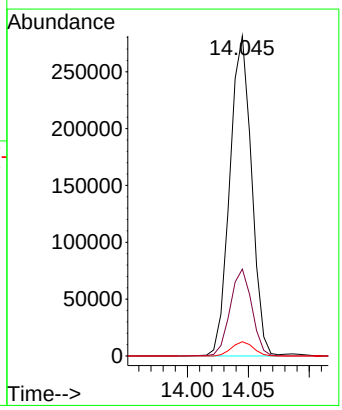
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

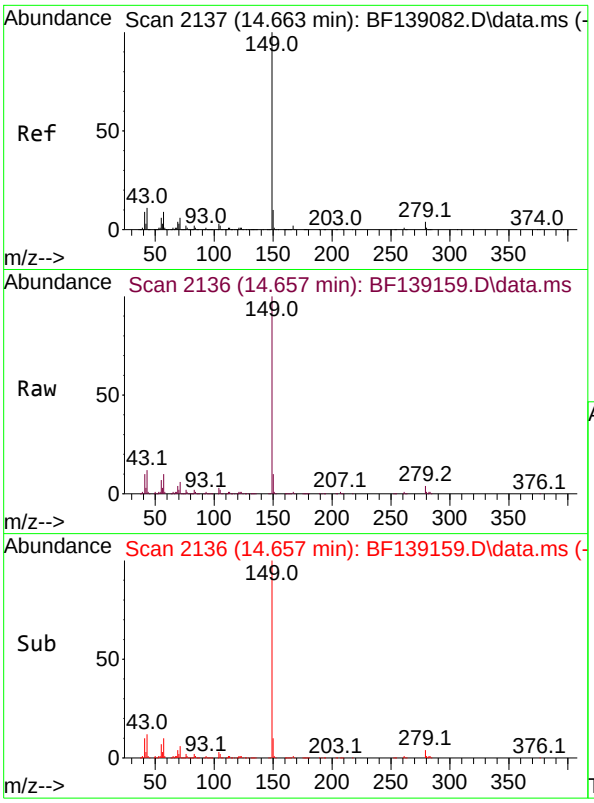


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.953 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:149 Resp: 349700

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.8	32.6
279	4.5	3.5	5.3





#85
Di-n-octyl phthalate
Concen: 44.558 ng
RT: 14.657 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

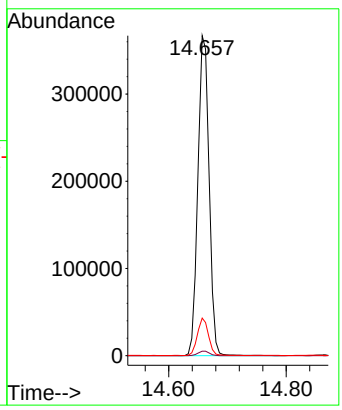
Tgt Ion:149 Resp: 48650

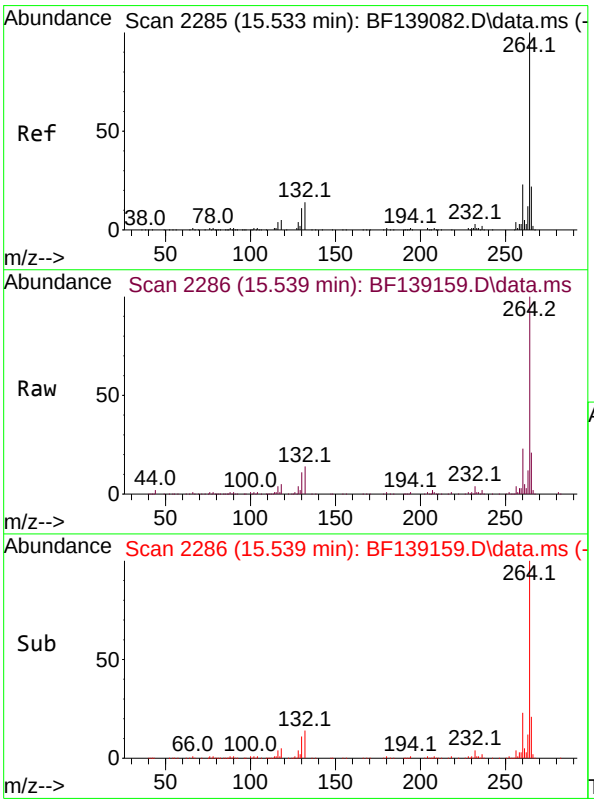
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.3	1.9
43	11.4	9.6	14.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

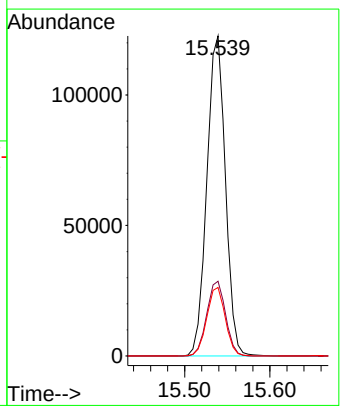


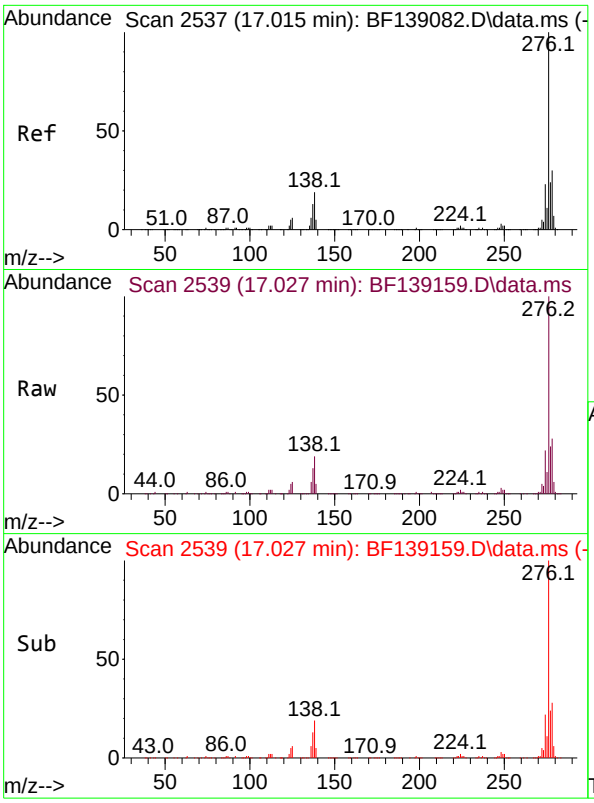


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:264 Resp: 185607

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.4	17.4	26.2

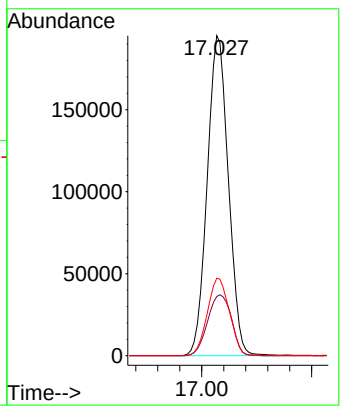




#87
Indeno(1,2,3-cd)pyrene
Concen: 47.995 ng
RT: 17.027 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:276 Resp: 52136

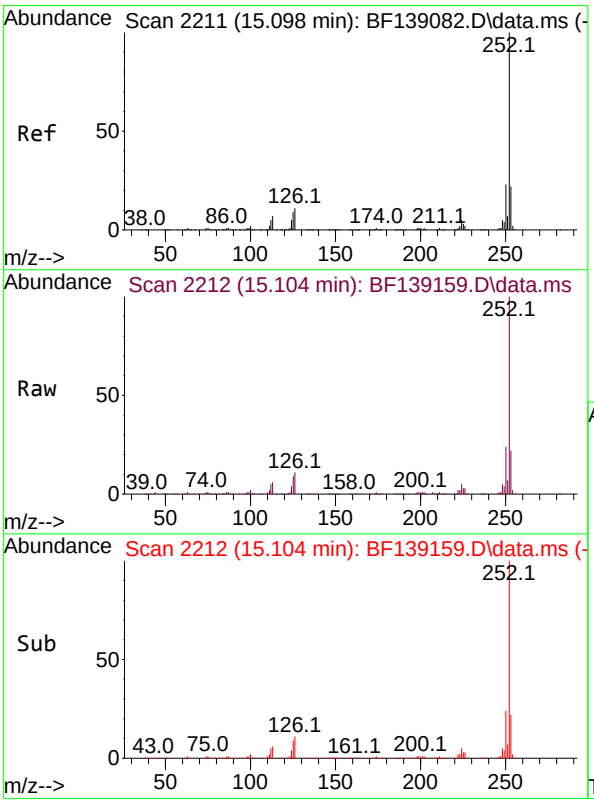
Ion	Ratio	Lower	Upper
276	100		
138	21.4	17.3	25.9
277	25.2	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

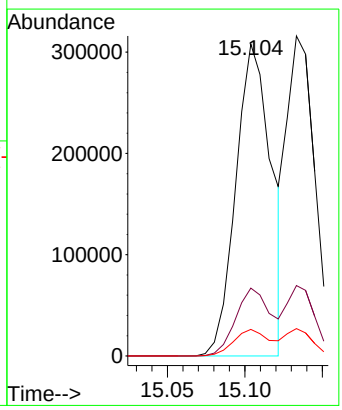
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

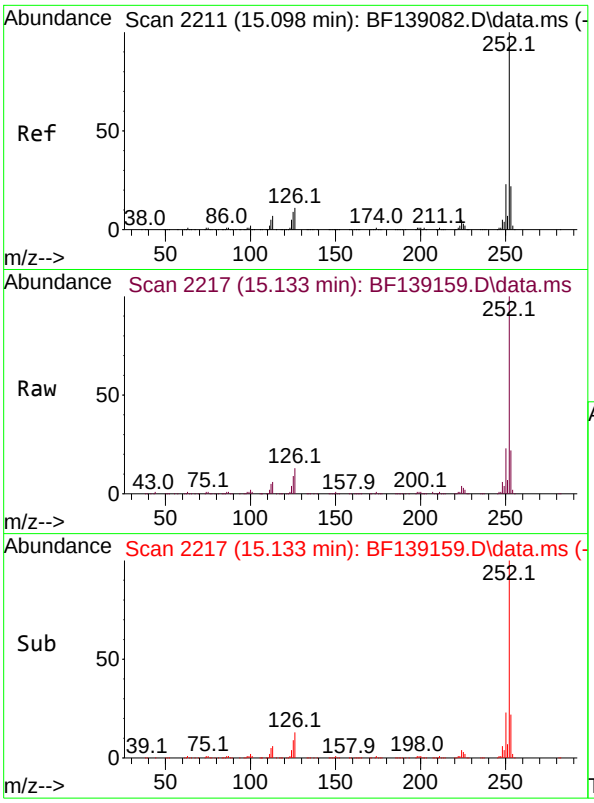


#88
Benzo(b)fluoranthene
Concen: 40.541 ng
RT: 15.104 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:252 Resp: 490558

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	8.5	7.0	10.6

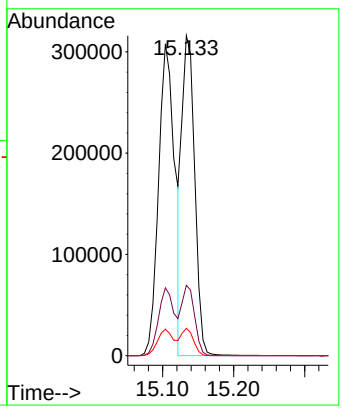




#89
Benzo(k)fluoranthene
Concen: 39.415 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:252 Resp: 39722

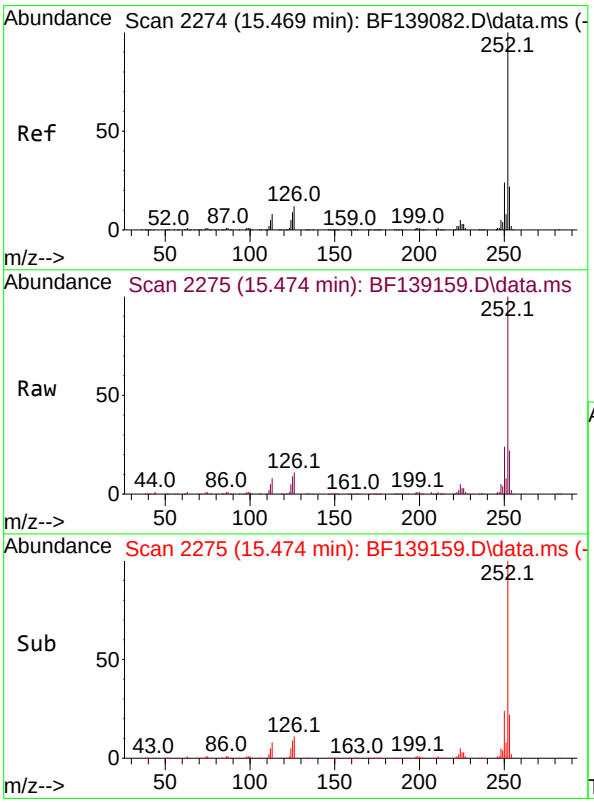
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	8.6	7.0	10.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

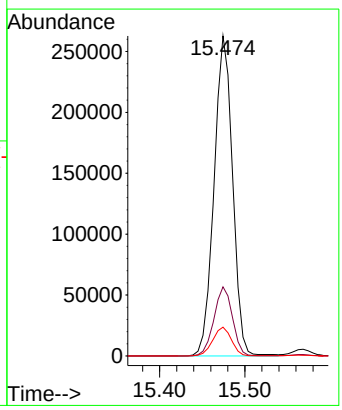
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

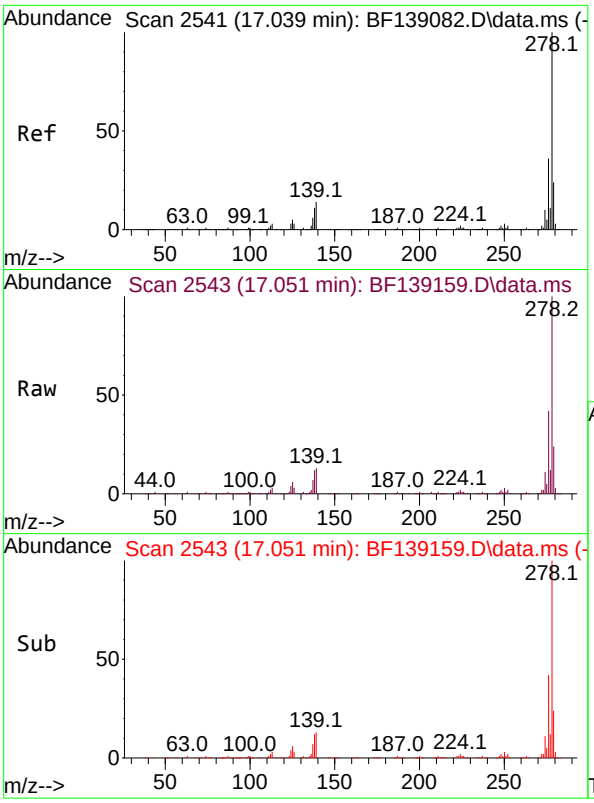


#90
Benzo(a)pyrene
Concen: 41.624 ng
RT: 15.474 min Scan# 2275
Delta R.T. 0.006 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:252 Resp: 397980

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	9.0	7.4	11.2

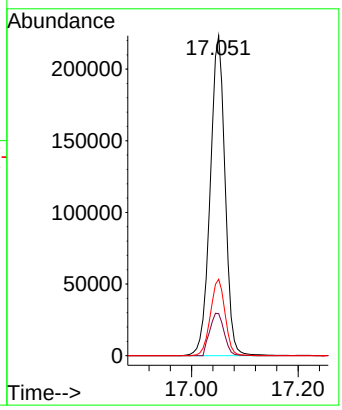




#91
Dibenzo(a,h)anthracene
Concen: 48.545 ng
RT: 17.051 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:278 Resp: 43287

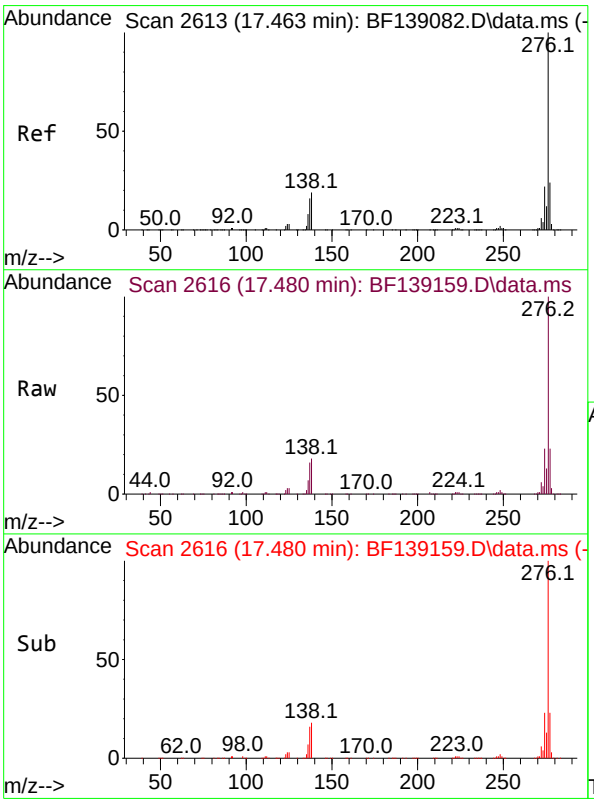
Ion	Ratio	Lower	Upper
278	100		
139	13.2	10.8	16.2
279	23.9	19.2	28.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

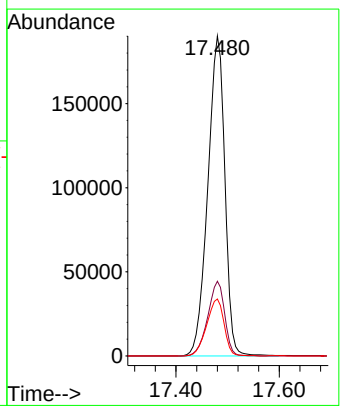
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024



#92
Benzo(g,h,i)perylene
Concen: 43.090 ng
RT: 17.480 min Scan# 2616
Delta R.T. 0.017 min
Lab File: BF139159.D
Acq: 26 Aug 2024 09:43

Tgt Ion:276 Resp: 435900

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	17.8	15.0	22.4



Sample Results: **BF139159.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082624\
Data File : BF139159.D
Acq On : 26 Aug 2024 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 26 10:54:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 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	82	0.00
2		1,4-Dioxane	0.558	0.558	0.0	83	0.00
3		Pyridine	1.417	1.457	-2.8	88	0.00
4		n-Nitrosodimethylamine	0.856	0.791	7.6	82	0.00
5	S	2-Fluorophenol	1.300	1.273	2.1	85	0.00
6		Aniline	1.516	1.581	-4.3	86	0.00
7	S	Phenol-d6	1.680	1.707	-1.6	87	0.00
8		2-Chlorophenol	1.250	1.275	-2.0	88	0.00
9		Benzaldehyde	0.985	1.034	-5.0	92	0.00
10	C	Phenol	1.748	1.799	-2.9	86	0.00
11		bis(2-Chloroethyl)ether	1.406	1.304	7.3	85	0.00
12		1,3-Dichlorobenzene	1.503	1.497	0.4	86	0.00
13	C	1,4-Dichlorobenzene	1.503	1.503	0.0	86	0.00
14		1,2-Dichlorobenzene	1.374	1.404	-2.2	86	0.00
15		Benzyl Alcohol	1.328	1.393	-4.9	89	0.00
16		2,2'-oxybis(1-Chloropropane	1.980	1.889	4.6	84	0.00
17		2-Methylphenol	1.070	1.101	-2.9	88	0.00
18		Hexachloroethane	0.527	0.539	-2.3	87	0.00
19	P	n-Nitroso-di-n-propylamine	1.103	1.087	1.5	89	0.00
20		3+4-Methylphenols	1.386	1.429	-3.1	87	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	83	0.00
22		Acetophenone	0.511	0.533	-4.3	88	0.00
23	S	Nitrobenzene-d5	0.343	0.448	-30.6#	104	0.00
24		Nitrobenzene	0.382	0.466	-22.0	98	0.00
25		Isophorone	0.730	0.779	-6.7	90	0.00
26	C	2-Nitrophenol	0.110	0.171	-55.5#	121	0.00
27		2,4-Dimethylphenol	0.231	0.240	-3.9	90	0.00
28		bis(2-Chloroethoxy)methane	0.426	0.441	-3.5	89	0.00
29	C	2,4-Dichlorophenol	0.288	0.306	-6.3	89	0.00
30		1,2,4-Trichlorobenzene	0.337	0.345	-2.4	87	0.00
31		Naphthalene	1.013	1.066	-5.2	89	0.00
32		Benzoic acid	0.167	0.236	-41.3#	118	0.00
33		4-Chloroaniline	0.347	0.374	-7.8	90	0.00
34	C	Hexachlorobutadiene	0.220	0.229	-4.1	88	0.00
35		Caprolactam	0.091	0.105	-15.4	94	0.00
36	C	4-Chloro-3-methylphenol	0.319	0.356	-11.6	93	0.00
37		2-Methylnaphthalene	0.650	0.688	-5.8	91	0.00
38		1-Methylnaphthalene	0.627	0.678	-8.1	92	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	89	0.00
40		1,2,4,5-Tetrachlorobenzene	0.609	0.583	4.3	92	0.00
41	P	Hexachlorocyclopentadiene	0.210	0.224	-6.7	93	0.00
42	S	2,4,6-Tribromophenol	0.181	0.215	-18.8	100	0.00
43	C	2,4,6-Trichlorophenol	0.370	0.393	-6.2	98	0.00
44		2,4,5-Trichlorophenol	0.379	0.410	-8.2	94	0.00
45	S	2-Fluorobiphenyl	1.261	1.279	-1.4	94	0.00
46		1,1'-Biphenyl	1.370	1.458	-6.4	94	0.00
47		2-Chloronaphthalene	1.113	1.146	-3.0	94	0.00

Sample Results: **BF139159.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082624\
Data File : BF139159.D
Acq On : 26 Aug 2024 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 26 10:54:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 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)
48		2-Nitroaniline	0.262	0.391	-49.2#	122	0.00
49		Acenaphthylene	1.595	1.666	-4.5	93	0.00
50		Dimethylphthalate	1.235	1.333	-7.9	96	0.00
51		2,6-Dinitrotoluene	0.206	0.303	-47.1#	114	0.00
52	C	Acenaphthene	1.053	1.115	-5.9	96	0.00
53		3-Nitroaniline	0.213	0.300	-40.8#	111	0.00
54	P	2,4-Dinitrophenol	0.074	0.130	-75.7#	161#	0.00
55		Dibenzofuran	1.530	1.605	-4.9	94	0.00
56	P	4-Nitrophenol	0.187	0.230	-23.0	105	0.00
57		2,4-Dinitrotoluene	0.250	0.399	-59.6#	122	0.00
58		Fluorene	1.223	1.276	-4.3	95	0.00
59		2,3,4,6-Tetrachlorophenol	0.305	0.343	-12.5	97	0.00
60		Diethylphthalate	1.223	1.312	-7.3	95	0.00
61		4-Chlorophenyl-phenylether	0.611	0.639	-4.6	96	0.00
62		4-Nitroaniline	0.219	0.296	-35.2#	108	0.00
63		Azobenzene	1.360	1.425	-4.8	95	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	87	0.00
65		4,6-Dinitro-2-methylphenol	0.064	0.107	-67.2#	145	0.00
66	c	n-Nitrosodiphenylamine	0.592	0.610	-3.0	93	0.00
67		4-Bromophenyl-phenylether	0.212	0.229	-8.0	96	0.00
68		Hexachlorobenzene	0.227	0.241	-6.2	95	0.00
69		Atrazine	0.181	0.167	7.7	98	0.00
70	C	Pentachlorophenol	0.145	0.165	-13.8	96	0.00
71		Phenanthrene	1.017	1.037	-2.0	93	0.00
72		Anthracene	0.994	1.019	-2.5	93	0.00
73		Carbazole	0.928	0.930	-0.2	90	0.00
74		Di-n-butylphthalate	1.076	1.101	-2.3	94	0.00
75	C	Fluoranthene	1.085	1.047	3.5	87	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	73	0.00
77		Benzidine	0.413	0.593	-43.6#	86	0.00
78		Pyrene	1.669	1.930	-15.6	84	0.00
79	S	Terphenyl-d14	1.205	1.431	-18.8	87	0.00
80		Butylbenzylphthalate	0.577	0.666	-15.4	80	0.00
81		Benzo(a)anthracene	1.315	1.350	-2.7	76	0.00
82		3,3'-Dichlorobenzidine	0.367	0.413	-12.5	87	0.00
83		Chrysene	1.192	1.246	-4.5	79	0.00
84		Bis(2-ethylhexyl)phthalate	0.765	0.860	-12.4	81	0.00
85	c	Di-n-octyl phthalate	1.074	1.197	-11.5	85	0.00
86	I	Perylene-d12	1.000	1.000	0.0	86	0.00
87		Indeno(1,2,3-cd)pyrene	1.171	1.404	-19.9	93	0.01
88		Benzo(b)fluoranthene	1.304	1.321	-1.3	91	0.00
89		Benzo(k)fluoranthene	1.086	1.070	1.5	86	0.00
90	C	Benzo(a)pyrene	1.030	1.072	-4.1	91	0.00
91		Dibenzo(a,h)anthracene	0.961	1.166	-21.3	93	0.01
92		Benzo(g,h,i)perylene	0.969	1.174	-21.2	91	0.02

Sample Results: **BF139159.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082624\
Data File : BF139159.D
Acq On : 26 Aug 2024 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 26 10:54:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 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)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BF139159.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082624\
Data File : BF139159.D
Acq On : 26 Aug 2024 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 26 10:54:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 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	20.000	20.000	0.0	82	0.00
2		1,4-Dioxane	40.000	40.049	-0.1	83	0.00
3		Pyridine	40.000	41.147	-2.9	88	0.00
4		n-Nitrosodimethylamine	40.000	36.983	7.5	82	0.00
5	S	2-Fluorophenol	80.000	78.357	2.1	85	0.00
6		Aniline	40.000	41.714	-4.3	86	0.00
7	S	Phenol-d6	80.000	81.312	-1.6	87	0.00
8		2-Chlorophenol	40.000	40.798	-2.0	88	0.00
9		Benzaldehyde	40.000	41.971	-4.9	92	0.00
10	C	Phenol	40.000	41.173	-2.9	86	0.00
11		bis(2-Chloroethyl)ether	40.000	37.105	7.2	85	0.00
12		1,3-Dichlorobenzene	40.000	39.842	0.4	86	0.00
13	C	1,4-Dichlorobenzene	40.000	39.996	0.0	86	0.00
14		1,2-Dichlorobenzene	40.000	40.875	-2.2	86	0.00
15		Benzyl Alcohol	40.000	41.960	-4.9	89	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.169	4.6	84	0.00
17		2-Methylphenol	40.000	41.175	-2.9	88	0.00
18		Hexachloroethane	40.000	40.930	-2.3	87	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.434	1.4	89	0.00
20		3+4-Methylphenols	40.000	41.234	-3.1	87	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	83	0.00
22		Acetophenone	40.000	41.755	-4.4	88	0.00
23	S	Nitrobenzene-d5	80.000	104.350	-30.4#	104	0.00
24		Nitrobenzene	40.000	48.846	-22.1	98	0.00
25		Isophorone	40.000	42.697	-6.7	90	0.00
26	C	2-Nitrophenol	40.000	50.980	-27.4#	121	0.00
27		2,4-Dimethylphenol	40.000	41.530	-3.8	90	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.352	-3.4	89	0.00
29	C	2,4-Dichlorophenol	40.000	42.430	-6.1	89	0.00
30		1,2,4-Trichlorobenzene	40.000	40.882	-2.2	87	0.00
31		Naphthalene	40.000	42.074	-5.2	89	0.00
32		Benzoic acid	40.000	48.846	-22.1	118	0.00
33		4-Chloroaniline	40.000	43.147	-7.9	90	0.00
34	C	Hexachlorobutadiene	40.000	41.544	-3.9	88	0.00
35		Caprolactam	40.000	45.804	-14.5	94	0.00
36	C	4-Chloro-3-methylphenol	40.000	44.640	-11.6	93	0.00
37		2-Methylnaphthalene	40.000	42.351	-5.9	91	0.00
38		1-Methylnaphthalene	40.000	43.242	-8.1	92	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	89	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	42.515	-6.3	92	0.00
41	P	Hexachlorocyclopentadiene	40.000	42.662	-6.7	93	0.00
42	S	2,4,6-Tribromophenol	80.000	94.994	-18.7	100	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.526	-6.3	98	0.00
44		2,4,5-Trichlorophenol	40.000	43.264	-8.2	94	0.00
45	S	2-Fluorobiphenyl	80.000	81.168	-1.5	94	0.00
46		1,1'-Biphenyl	40.000	42.562	-6.4	94	0.00
47		2-Chloronaphthalene	40.000	41.187	-3.0	94	0.00

Sample Results: **BF139159.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082624\
Data File : BF139159.D
Acq On : 26 Aug 2024 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 26 10:54:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 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)
48		2-Nitroaniline	40.000	48.929	-22.3	122	0.00
49		Acenaphthylene	40.000	41.783	-4.5	93	0.00
50		Dimethylphthalate	40.000	43.191	-8.0	96	0.00
51		2,6-Dinitrotoluene	40.000	48.814	-22.0	114	0.00
52	C	Acenaphthene	40.000	42.347	-5.9	96	0.00
53		3-Nitroaniline	40.000	47.891	-19.7	111	0.00
54	P	2,4-Dinitrophenol	40.000	57.682	-44.2#	161	0.00
55		Dibenzofuran	40.000	41.973	-4.9	94	0.00
56	P	4-Nitrophenol	40.000	49.363	-23.4	105	0.00
57		2,4-Dinitrotoluene	40.000	50.993	-27.5#	122	0.00
58		Fluorene	40.000	41.750	-4.4	95	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	45.076	-12.7	97	0.00
60		Diethylphthalate	40.000	42.905	-7.3	95	0.00
61		4-Chlorophenyl-phenylether	40.000	41.858	-4.6	96	0.00
62		4-Nitroaniline	40.000	46.757	-16.9	108	0.00
63		Azobenzene	40.000	41.922	-4.8	95	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	87	0.00
65		4,6-Dinitro-2-methylphenol	40.000	56.127	-40.3#	145	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.237	-3.1	93	0.00
67		4-Bromophenyl-phenylether	40.000	43.228	-8.1	96	0.00
68		Hexachlorobenzene	40.000	42.481	-6.2	95	0.00
69		Atrazine	40.000	37.029	7.4	98	0.00
70	C	Pentachlorophenol	40.000	45.528	-13.8	96	0.00
71		Phenanthrene	40.000	40.797	-2.0	93	0.00
72		Anthracene	40.000	41.013	-2.5	93	0.00
73		Carbazole	40.000	40.056	-0.1	90	0.00
74		Di-n-butylphthalate	40.000	40.919	-2.3	94	0.00
75	C	Fluoranthene	40.000	38.590	3.5	87	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	73	0.00
77		Benzidine	40.000	57.437	-43.6#	86	0.00
78		Pyrene	40.000	46.244	-15.6	84	0.00
79	S	Terphenyl-d14	80.000	94.987	-18.7	87	0.00
80		Butylbenzylphthalate	40.000	46.159	-15.4	80	0.00
81		Benzo(a)anthracene	40.000	41.082	-2.7	76	0.00
82		3,3'-Dichlorobenzidine	40.000	44.900	-12.2	87	0.00
83		Chrysene	40.000	41.808	-4.5	79	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.953	-12.4	81	0.00
85	c	Di-n-octyl phthalate	40.000	44.558	-11.4	85	0.00
86	I	Perylene-d12	20.000	20.000	0.0	86	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	47.995	-20.0	93	0.01
88		Benzo(b)fluoranthene	40.000	40.541	-1.4	91	0.00
89		Benzo(k)fluoranthene	40.000	39.415	1.5	86	0.00
90	C	Benzo(a)pyrene	40.000	41.624	-4.1	91	0.00
91		Dibenzo(a,h)anthracene	40.000	48.545	-21.4	93	0.01
92		Benzo(g,h,i)perylene	40.000	43.090	-7.7	91	0.02

Sample Results: **BF139159.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082624\
Data File : BF139159.D
Acq On : 26 Aug 2024 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 26 10:54:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 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)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

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: JACO05

Lab Code: CHEM Case No.: P3671 SAS No.: P3671 SDG No.: P3671

Instrument ID: BNA_M Calibration Date/Time: 08/22/2024 09:14

Lab File ID: BM047308.D Init. Calib. Date(s): 08/10/2024 08/10/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:12 17:51

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.360	1.164		-14.4	
2-Fluorophenol	1.119	1.034		-7.6	
Benzaldehyde	0.904	0.830		-8.2	
Phenol-d6	1.542	1.396		-9.5	
2-Methylphenol	1.027	0.949		-7.6	
3+4-Methylphenols	1.435	1.298		-9.5	
Nitrobenzene-d5	0.397	0.355		-10.6	
Hexachloroethane	0.569	0.525		-7.7	
Nitrobenzene	0.400	0.365		-8.8	
Naphthalene	0.996	0.950		-4.6	
Hexachlorobutadiene	0.204	0.229		12.3	20.0
2-Methylnaphthalene	0.709	0.696		-1.8	
2,4,6-Trichlorophenol	0.388	0.405		4.4	20.0
2-Fluorobiphenyl	1.297	1.252		-3.5	
2,4,5-Trichlorophenol	0.430	0.449		4.4	
Acenaphthylene	1.640	1.557		-5.1	
Acenaphthene	1.041	0.985		-5.4	20.0
Dibenzofuran	1.644	1.575		-4.2	
2,4-Dinitrotoluene	0.436	0.431		-1.1	
Fluorene	1.356	1.297		-4.4	
2,4,6-Tribromophenol	0.232	0.243		4.7	
Hexachlorobenzene	0.231	0.232		0.4	
Pentachlorophenol	0.162	0.164		1.2	20.0
Phenanthrene	1.004	0.946		-5.8	
Anthracene	0.977	0.929		-4.9	
Carbazole	0.997	0.928		-6.9	
Di-n-butylphthalate	1.160	1.134		-2.2	
Fluoranthene	1.221	1.198		-1.9	20.0
Pyrene	1.428	1.416		-0.8	
Terphenyl-d14	0.933	1.039		11.4	
Benzo(a)anthracene	1.328	1.267		-4.6	
Chrysene	1.260	1.185		-6.0	
Bis(2-ethylhexyl)phthalate	0.826	0.838		1.5	
Benzo(b)fluoranthene	1.188	1.174		-1.2	
Benzo(k)fluoranthene	1.122	1.122		0.0	
Benzo(a)pyrene	1.029	0.998		-3.0	20.0
Indeno(1,2,3-cd)pyrene	1.293	1.113		-13.9	
Dibenzo(a,h)anthracene	1.046	0.901		-13.9	
Benzo(g,h,i)perylene	1.086	0.915		-15.7	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3671 SAS No.: P3671 SDG No.: P3671

Instrument ID: BNA_M Calibration Date/Time: 08/22/2024 09:14

Lab File ID: BM047308.D Init. Calib. Date(s): 08/10/2024 08/10/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:12 17:51

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,4-Dioxane	0.464	0.417		-10.1	20.0
1-Methylnaphthalene	0.701	0.678		-3.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047308.D
Acq On : 22 Aug 2024 09:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Aug 22 10:59:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	315372	20.000	ng	-0.02
21) Naphthalene-d8	10.110	136	1211803	20.000	ng	-0.02
39) Acenaphthene-d10	14.016	164	822573	20.000	ng	-0.02
64) Phenanthrene-d10	16.780	188	1768064	20.000	ng	-0.01
76) Chrysene-d12	21.021	240	1535454	20.000	ng	-0.01
86) Perylene-d12	23.709	264	1629252	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1303996	73.882	ng	-0.01
7) Phenol-d6	6.569	99	1761491	72.430	ng	-0.02
23) Nitrobenzene-d5	8.504	82	1721029	71.513	ng	-0.02
42) 2,4,6-Tribromophenol	15.527	330	800401	83.918	ng	-0.01
45) 2-Fluorobiphenyl	12.622	172	4120450	77.269	ng	-0.02
79) Terphenyl-d14	19.445	244	6380197	89.037	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.028	88	263249	35.998	ng	96
3) Pyridine	3.399	79	734306	34.243	ng	98
4) n-Nitrosodimethylamine	3.322	42	306437	32.708	ng	96
6) Aniline	6.704	93	809995	35.238	ng	98
8) 2-Chlorophenol	6.928	128	714965	37.141	ng	99
9) Benzaldehyde	6.516	77	523783	41.837	ng	99
10) Phenol	6.593	94	863321	35.576	ng	98
11) bis(2-Chloroethyl)ether	6.804	93	742990	35.752	ng	97
12) 1,3-Dichlorobenzene	7.240	146	879161	38.433	ng	97
13) 1,4-Dichlorobenzene	7.387	146	886468	38.275	ng	98
14) 1,2-Dichlorobenzene	7.698	146	825943	37.796	ng	98
15) Benzyl Alcohol	7.604	79	619139	35.771	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.892	45	880322	33.012	ng	98
17) 2-Methylphenol	7.816	107	598616	36.976	ng	99
18) Hexachloroethane	8.404	117	331304	36.929	ng	94
19) n-Nitroso-di-n-propyla...	8.169	70	561893	34.301	ng	96
20) 3+4-Methylphenols	8.145	107	818840	36.179	ng	100
22) Acetophenone	8.175	105	1094687	37.424	ng	98
24) Nitrobenzene	8.545	77	884972	36.519	ng	97
25) Isophorone	9.069	82	1591106	37.971	ng	98
26) 2-Nitrophenol	9.245	139	449274	41.863	ng	94
27) 2,4-Dimethylphenol	9.328	122	496910	39.527	ng	99
28) bis(2-Chloroethoxy)met...	9.551	93	993074	37.664	ng	100
29) 2,4-Dichlorophenol	9.775	162	782273	41.938	ng	99
30) 1,2,4-Trichlorobenzene	9.975	180	881137	41.742	ng	100
31) Naphthalene	10.157	128	2303393	38.156	ng	99
32) Benzoic acid	9.522	122	603943	41.350	ng	99
33) 4-Chloroaniline	10.286	127	873816	37.641	ng	99
34) Hexachlorobutadiene	10.439	225	554015	44.840	ng	100
35) Caprolactam	11.104	113	259311	40.031	ng	91
36) 4-Chloro-3-methylphenol	11.439	107	785639	39.548	ng	100
37) 2-Methylnaphthalene	11.786	142	1687918	39.270	ng	98
38) 1-Methylnaphthalene	12.010	142	1643957	38.700	ng	99
40) 1,2,4,5-Tetrachloroben...	12.169	216	957174	42.662	ng	98
41) Hexachlorocyclopentadiene	12.139	237	284615	36.329	ng	98
43) 2,4,6-Trichlorophenol	12.427	196	665686	41.744	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047308.D
Acq On : 22 Aug 2024 09:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Aug 22 10:59:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

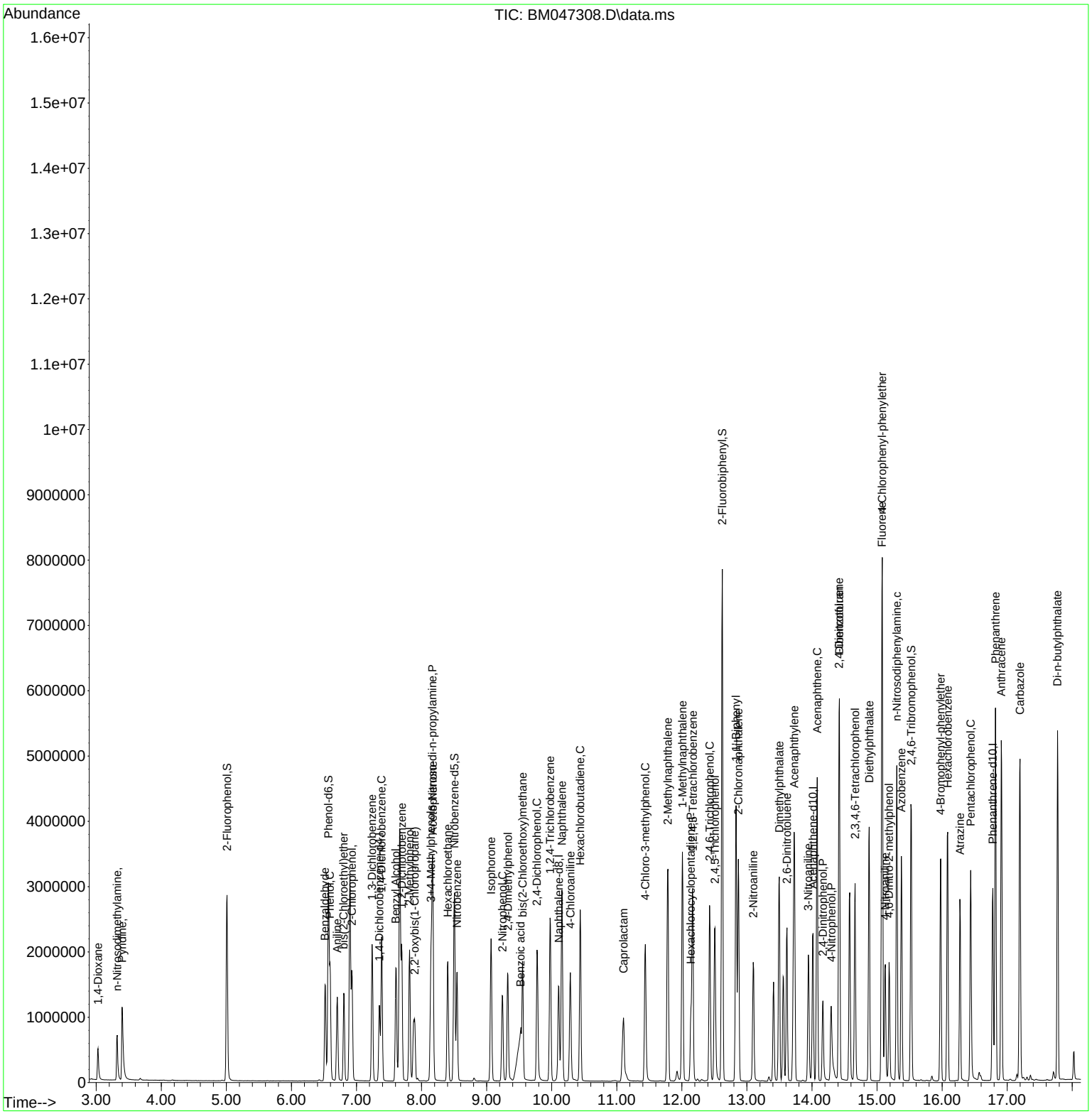
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.510	196	738243	41.695	ng		96
46) 1,1'-Biphenyl	12.833	154	2220122	37.912	ng		98
47) 2-Chloronaphthalene	12.869	162	1733753	37.879	ng		99
48) 2-Nitroaniline	13.098	65	519350	36.219	ng		96
49) Acenaphthylene	13.727	152	2561019	37.959	ng		100
50) Dimethylphthalate	13.498	163	2232553	38.861	ng		100
51) 2,6-Dinitrotoluene	13.616	165	536890	39.978	ng		88
52) Acenaphthene	14.080	154	1620780	37.872	ng		100
53) 3-Nitroaniline	13.945	138	510904	37.966	ng		100
54) 2,4-Dinitrophenol	14.169	184	303462	37.702	ng		93
55) Dibenzofuran	14.421	168	2590656	38.323	ng		99
56) 4-Nitrophenol	14.298	139	415593	35.815	ng		98
57) 2,4-Dinitrotoluene	14.416	165	708560	39.529	ng	#	97
58) Fluorene	15.074	166	2133336	38.248	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.663	232	609310	41.872	ng		93
60) Diethylphthalate	14.880	149	2237417	38.138	ng		98
61) 4-Chlorophenyl-phenyle...	15.080	204	1071908	40.367	ng		95
62) 4-Nitroaniline	15.127	138	500966	37.788	ng		95
63) Azobenzene	15.374	77	1953128	35.112	ng		95
65) 4,6-Dinitro-2-methylph...	15.186	198	425285	41.084	ng		92
66) n-Nitrosodiphenylamine	15.304	169	1831258	38.026	ng		99
67) 4-Bromophenyl-phenylether	15.980	248	705879	41.431	ng		96
68) Hexachlorobenzene	16.086	284	821372	40.254	ng		94
69) Atrazine	16.274	200	511524	35.298	ng		99
70) Pentachlorophenol	16.439	266	580674	40.597	ng		98
71) Phenanthrene	16.821	178	3343698	37.683	ng		100
72) Anthracene	16.910	178	3284636	38.044	ng		100
73) Carbazole	17.198	167	3281091	37.220	ng		99
74) Di-n-butylphthalate	17.774	149	4010258	39.097	ng		99
75) Fluoranthene	18.856	202	4234649	39.236	ng		99
77) Benzidine	19.062	184	1551050	59.567	ng		100
78) Pyrene	19.221	202	4349870	39.676	ng		100
80) Butylbenzylphthalate	20.162	149	1852458	41.403	ng		93
81) Benzo(a)anthracene	21.003	228	3891993	38.182	ng		100
82) 3,3'-Dichlorobenzidine	20.945	252	1389102	43.555	ng		99
83) Chrysene	21.062	228	3637684	37.614	ng		100
84) Bis(2-ethylhexyl)phtha...	20.956	149	2572281	40.539	ng		98
85) Di-n-octyl phthalate	21.986	149	4548357	42.173	ng		98
87) Indeno(1,2,3-cd)pyrene	26.703	276	3627893	34.449	ng		98
88) Benzo(b)fluoranthene	22.874	252	3826072	39.544	ng		98
89) Benzo(k)fluoranthene	22.927	252	3657262	40.018	ng		99
90) Benzo(a)pyrene	23.586	252	3250485	38.781	ng		98
91) Dibenzo(a,h)anthracene	26.750	278	2934810	34.436	ng		98
92) Benzo(g,h,i)perylene	27.638	276	2982909	33.711	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047308.D
Acq On : 22 Aug 2024 09:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Aug 22 10:59:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

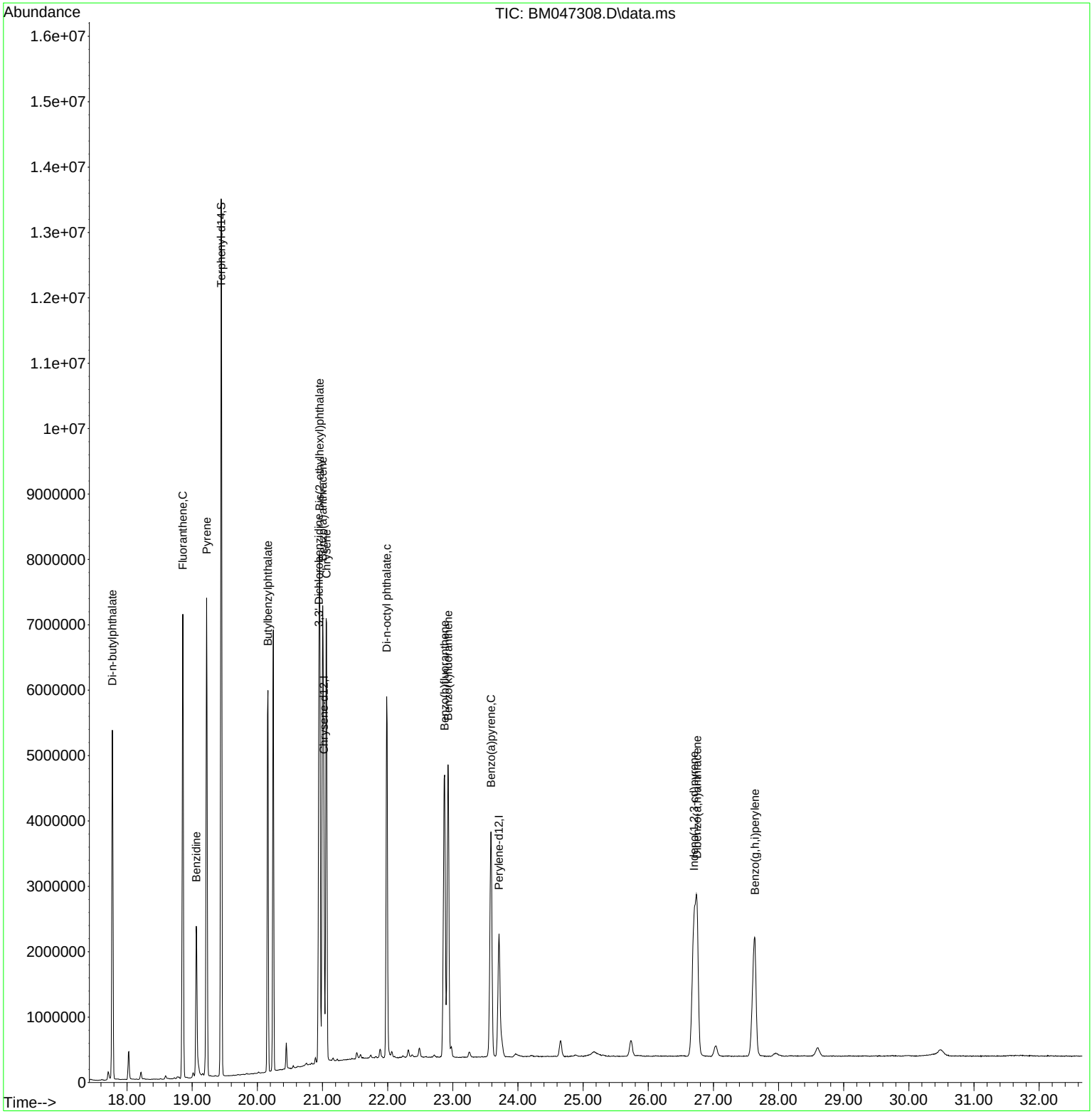


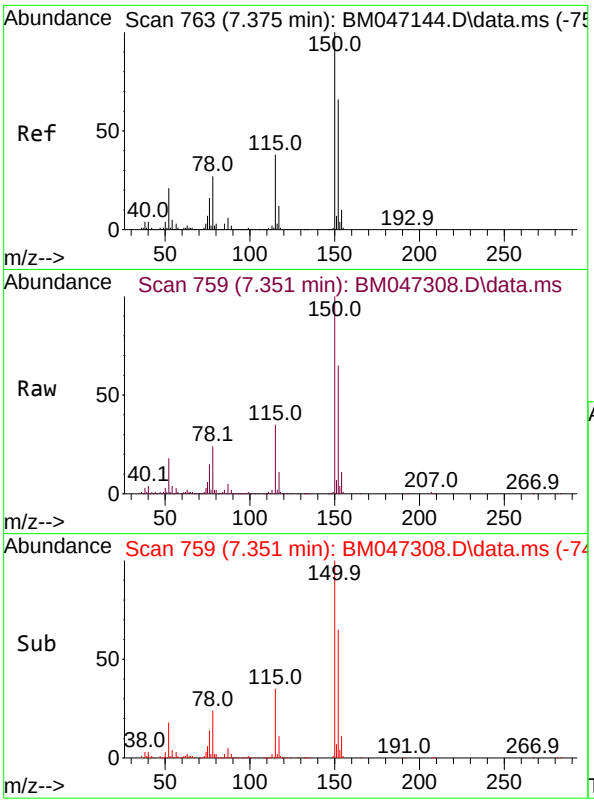
Sample Results: **BM047308.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047308.D
Acq On : 22 Aug 2024 09:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Aug 22 10:59:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration



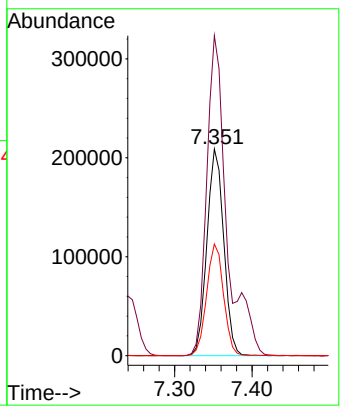


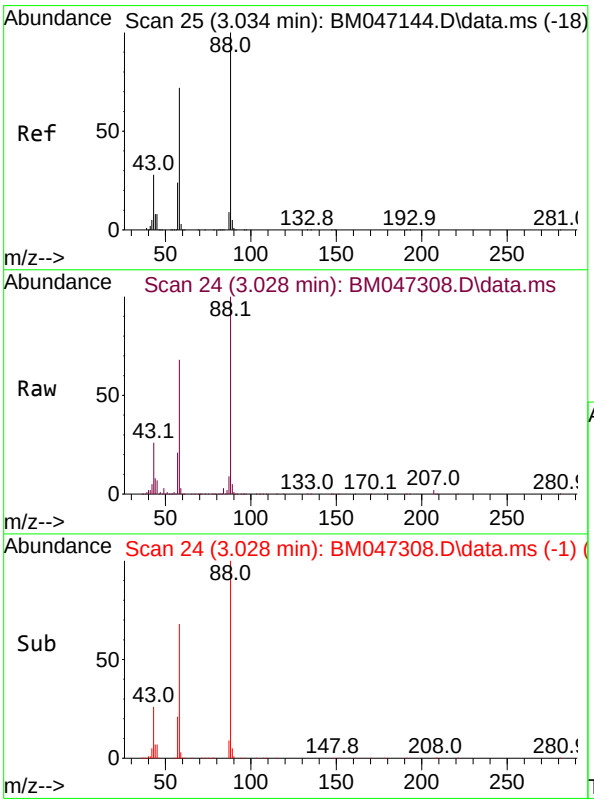
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 7
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 315372

Ion	Ratio	Lower	Upper
152	100		
150	154.8	120.5	180.7
115	54.0	45.5	68.3

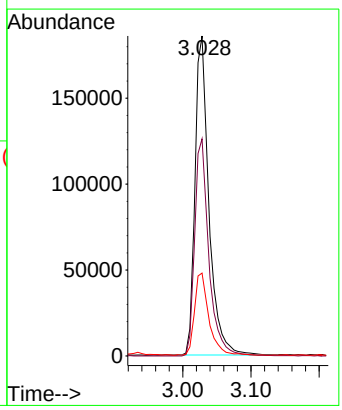


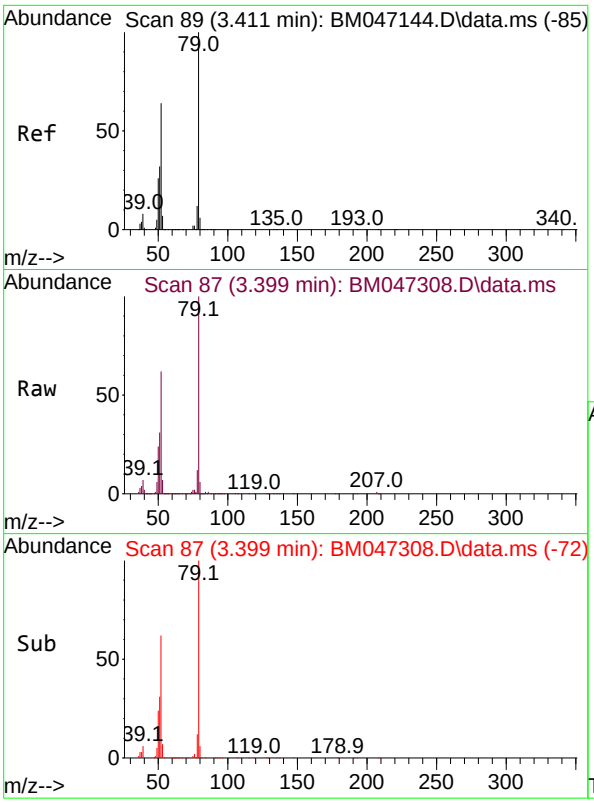


#2
1,4-Dioxane
Concen: 35.998 ng
RT: 3.028 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion: 88 Resp: 263249

Ion	Ratio	Lower	Upper
88	100		
58	69.3	58.2	87.4
43	26.7	22.5	33.7



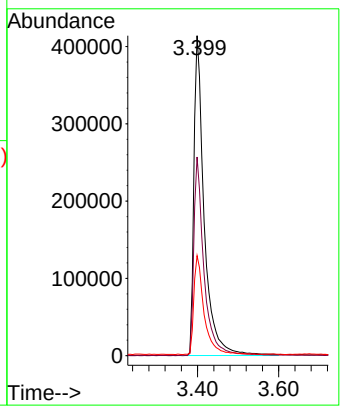


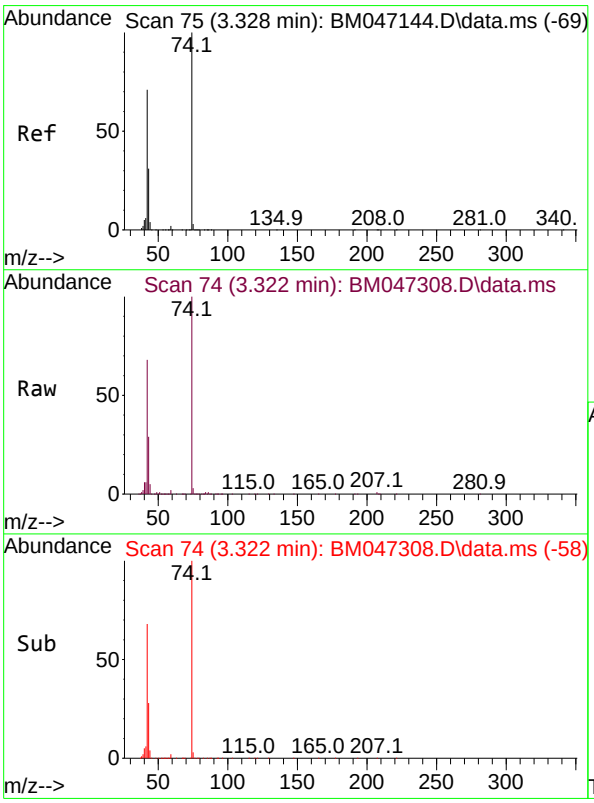
#3
Pyridine
Concen: 34.243 ng
RT: 3.399 min Scan# 8
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 734306

Ion	Ratio	Lower	Upper
79	100		
52	62.1	51.2	76.8
51	31.3	26.1	39.1

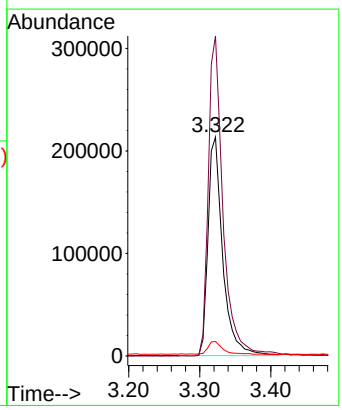


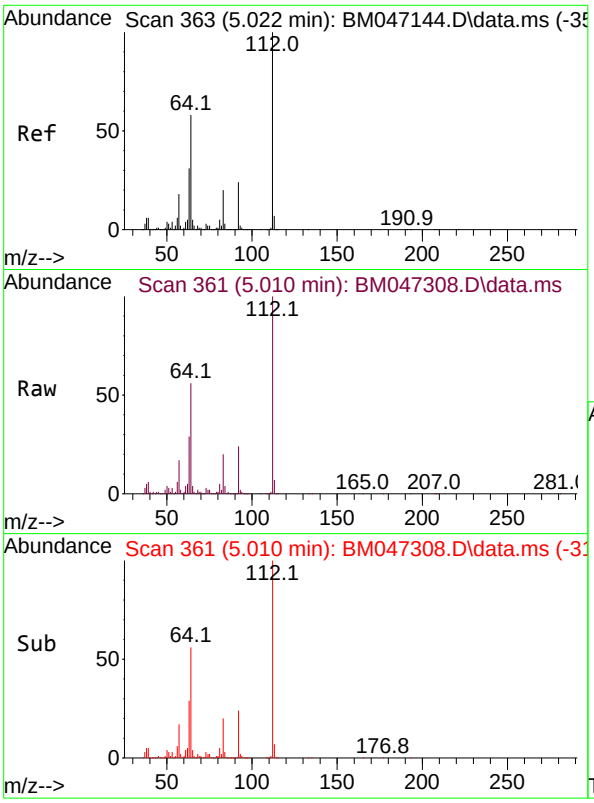


#4
n-Nitrosodimethylamine
Concen: 32.708 ng
RT: 3.322 min Scan# 74
Delta R.T. -0.006 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion: 42 Resp: 306437

Ion	Ratio	Lower	Upper
42	100		
74	146.2	112.9	169.3
44	6.6	5.3	7.9



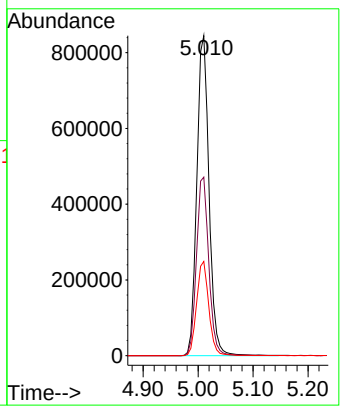


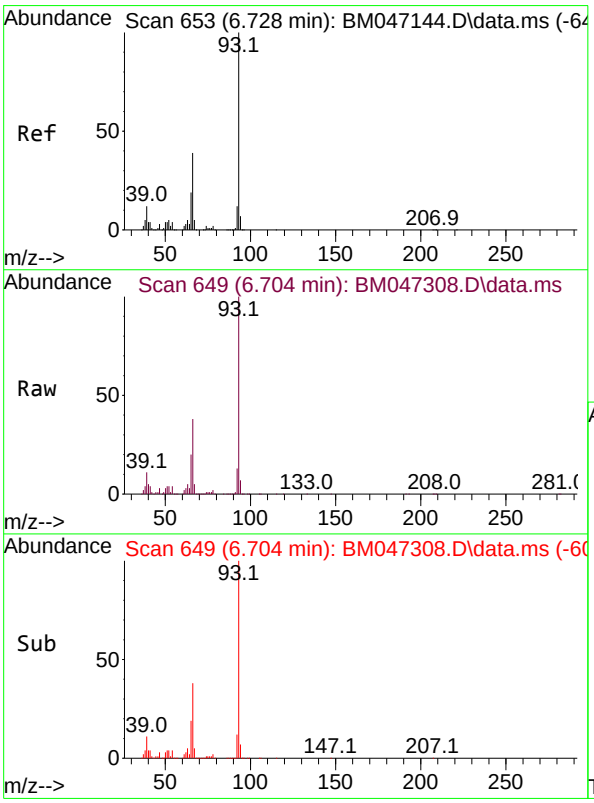
#5
2-Fluorophenol
Concen: 73.882 ng
RT: 5.010 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1303996

Ion	Ratio	Lower	Upper
112	100		
64	55.8	46.7	70.1
63	29.5	24.8	37.2

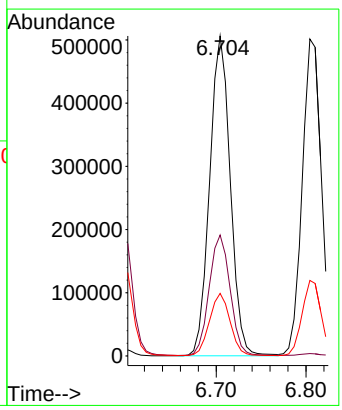


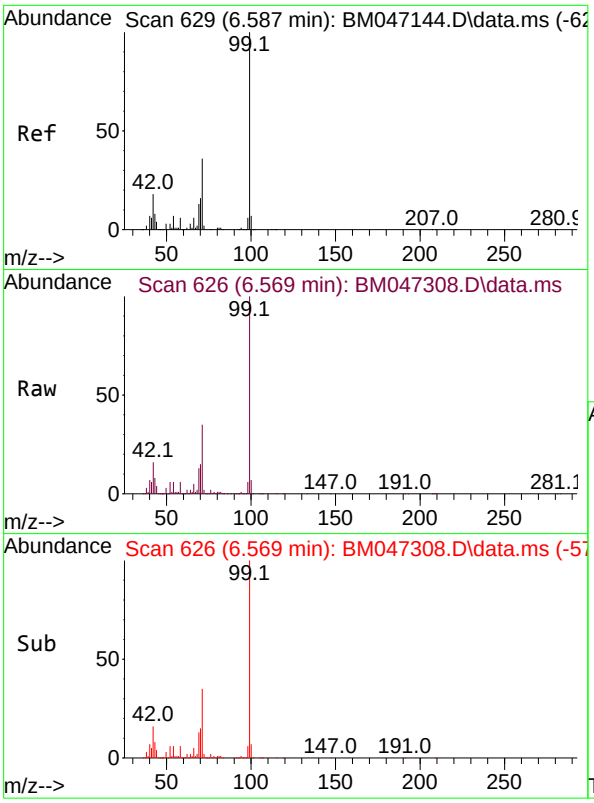


#6
Aniline
Concen: 35.238 ng
RT: 6.704 min Scan# 649
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion: 93 Resp: 809995

Ion	Ratio	Lower	Upper
93	100		
66	37.8	31.4	47.2
65	19.5	15.6	23.4



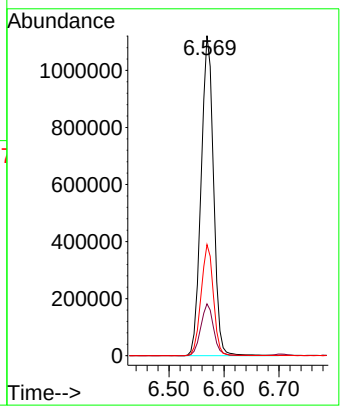


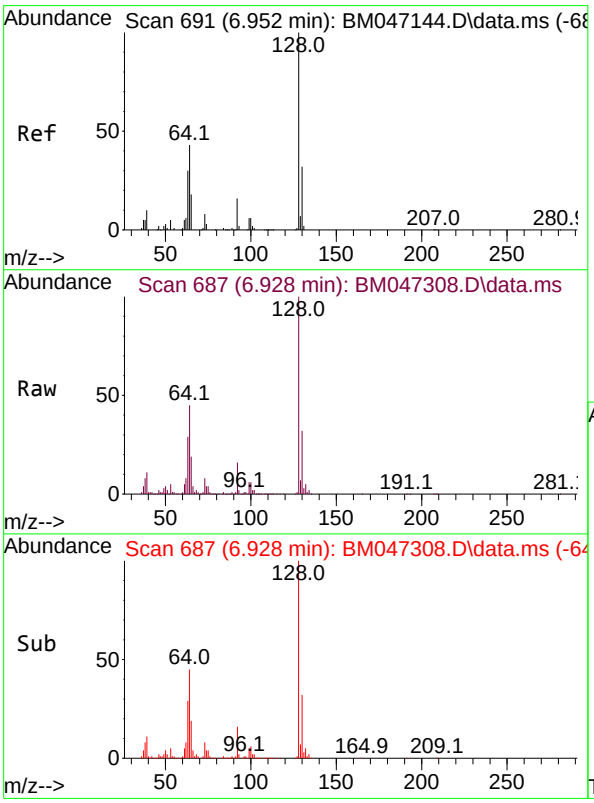
#7
Phenol-d6
Concen: 72.430 ng
RT: 6.569 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1761491

Ion	Ratio	Lower	Upper
99	100		
42	16.2	14.1	21.1
71	34.7	28.5	42.7

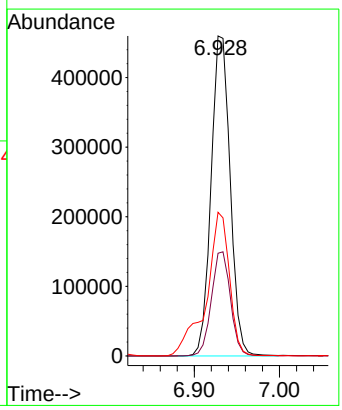


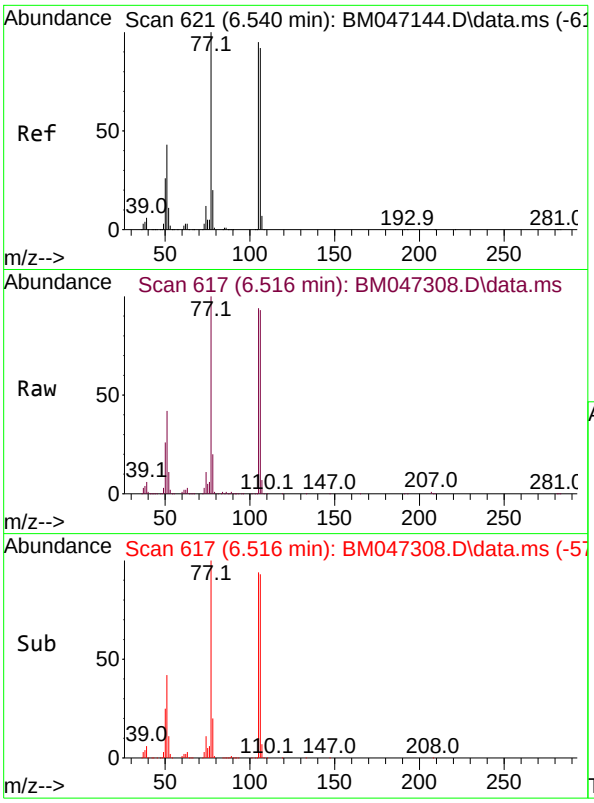


#8
2-Chlorophenol
Concen: 37.141 ng
RT: 6.928 min Scan# 687
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:128 Resp: 714965

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.1	52.1
64	44.9	26.6	66.6



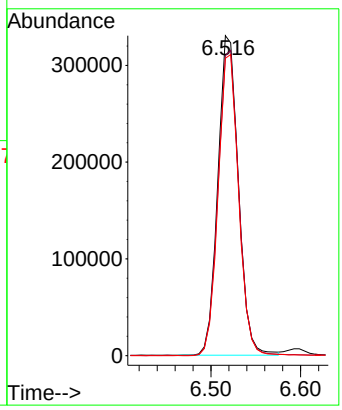


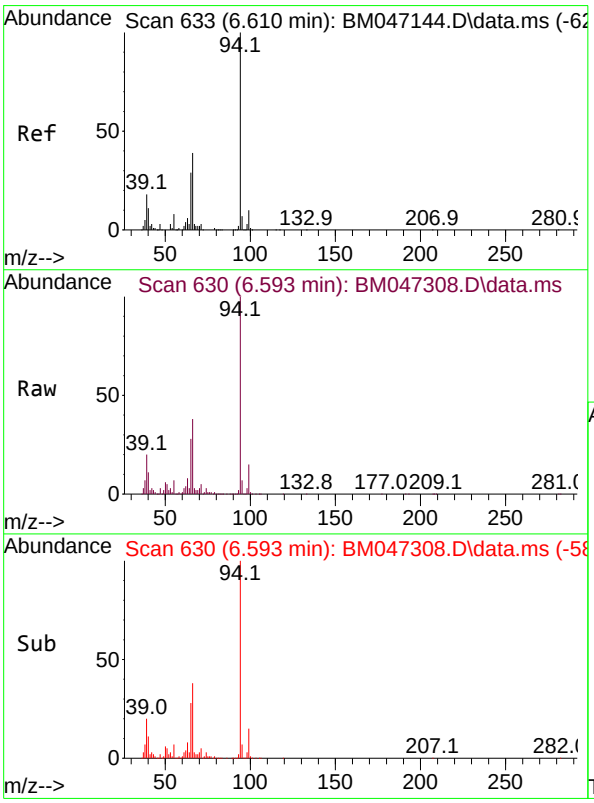
#9
Benzaldehyde
Concen: 41.837 ng
RT: 6.516 min Scan# 61
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 523783

Ion	Ratio	Lower	Upper
77	100		
105	93.8	74.5	114.5
106	93.0	72.3	112.3

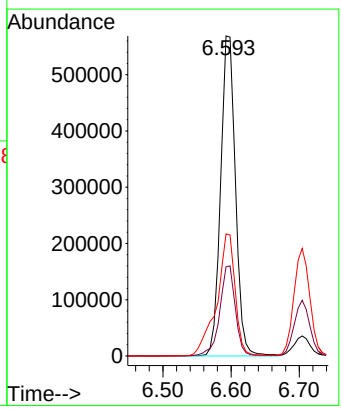


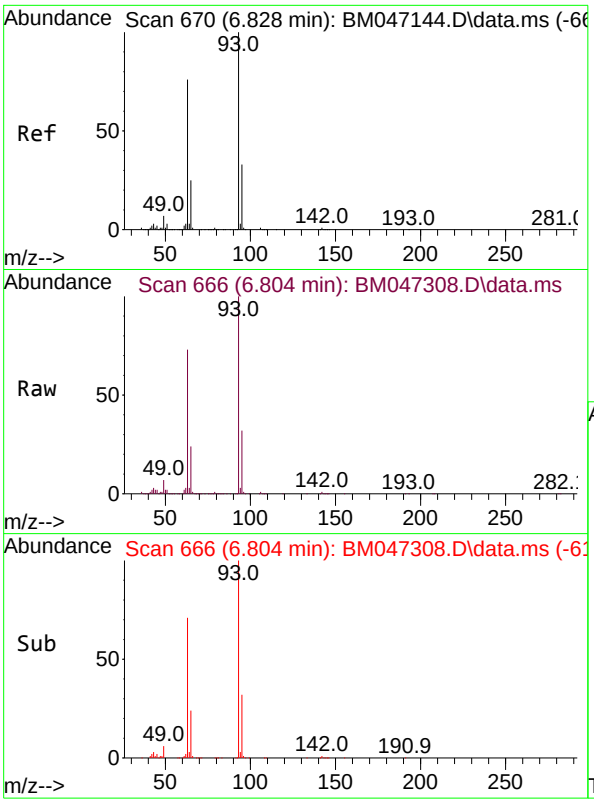


#10
Phenol
Concen: 35.576 ng
RT: 6.593 min Scan# 630
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion: 94 Resp: 863321

Ion	Ratio	Lower	Upper
94	100		
65	27.9	9.0	49.0
66	38.1	18.9	58.9



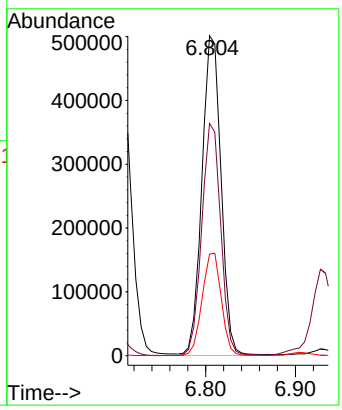


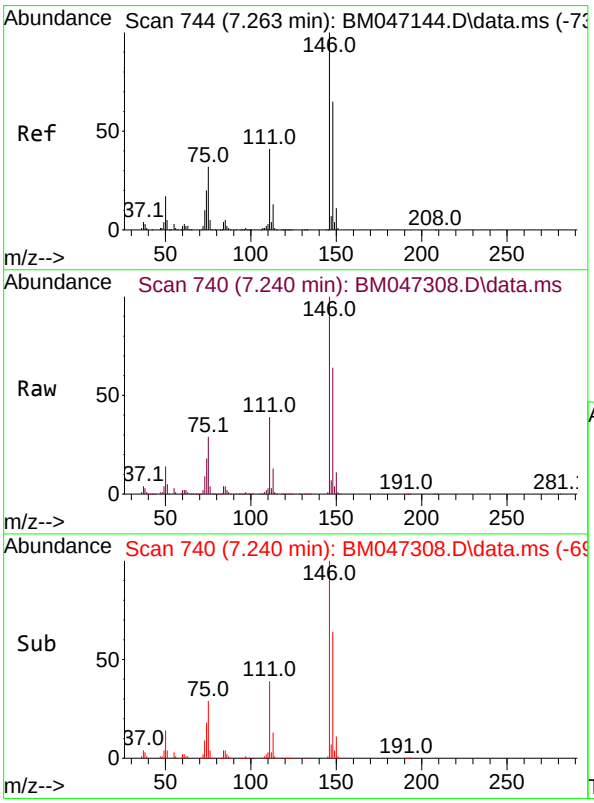
#11
bis(2-Chloroethyl)ether
Concen: 35.752 ng
RT: 6.804 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 742990

Ion	Ratio	Lower	Upper
93	100		
63	72.6	55.8	95.8
95	31.8	12.7	52.7

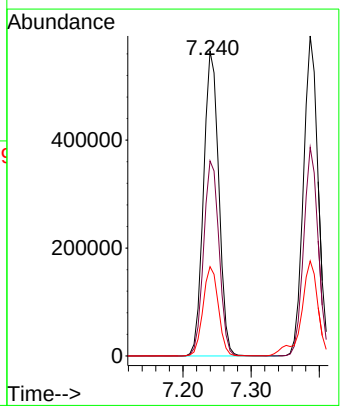


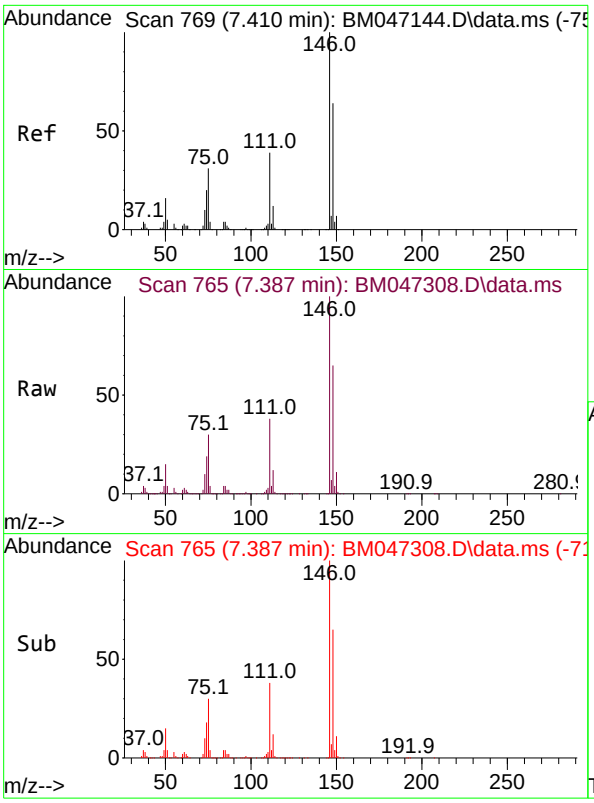


#12
1,3-Dichlorobenzene
Concen: 38.433 ng
RT: 7.240 min Scan# 740
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:146 Resp: 879161

Ion	Ratio	Lower	Upper
146	100		
148	64.0	52.3	78.5
75	29.3	25.8	38.6



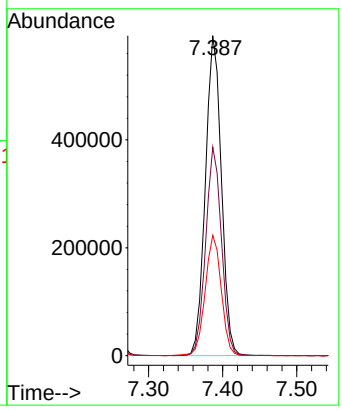


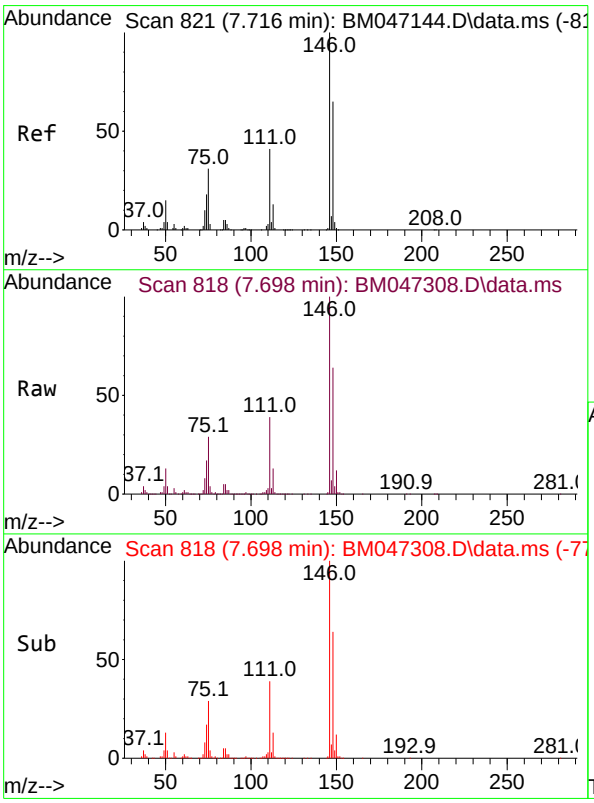
#13
1,4-Dichlorobenzene
Concen: 38.275 ng
RT: 7.387 min Scan# 7
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 886468

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.4	77.2
111	37.6	31.5	47.3

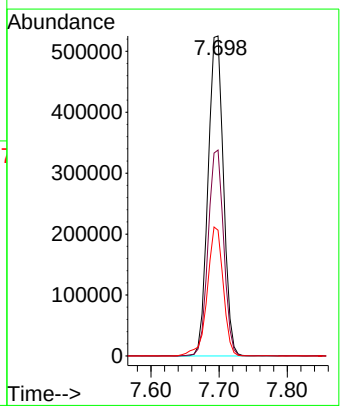


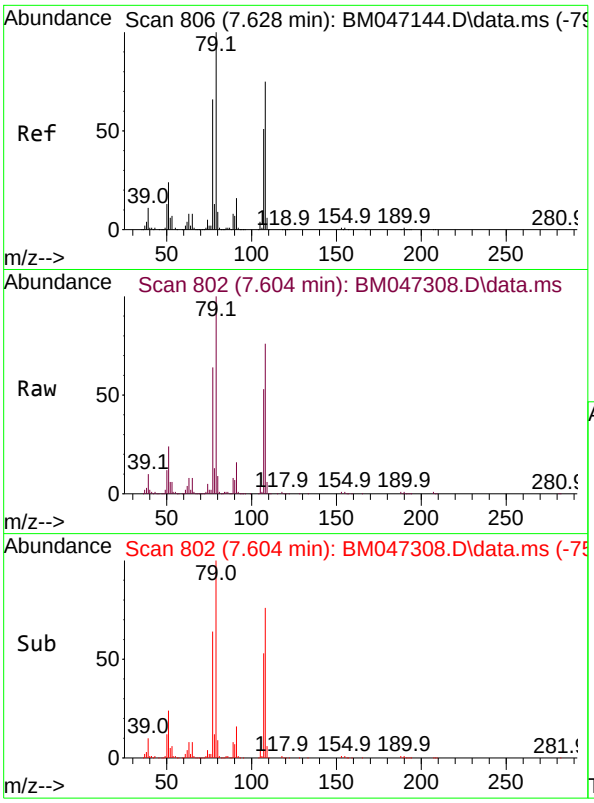


#14
1,2-Dichlorobenzene
Concen: 37.796 ng
RT: 7.698 min Scan# 818
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:146 Resp: 825943

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.8	77.8
111	39.3	33.3	49.9



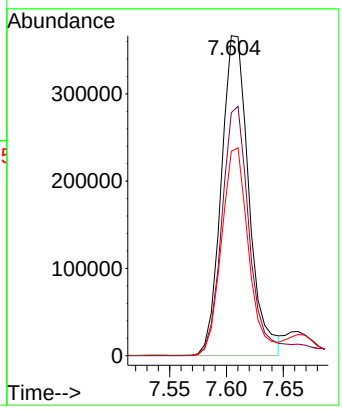


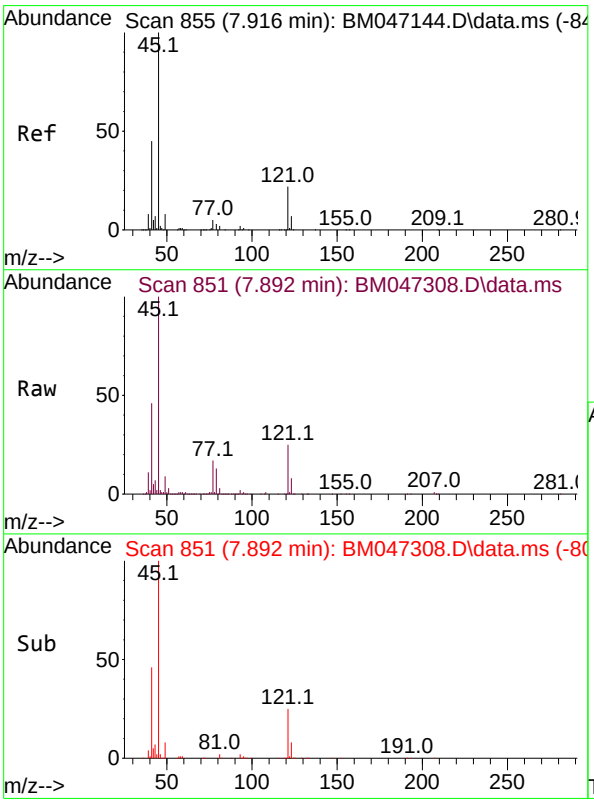
#15
Benzyl Alcohol
Concen: 35.771 ng
RT: 7.604 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 619139

Ion	Ratio	Lower	Upper
79	100		
108	75.9	59.7	89.5
77	63.9	52.9	79.3

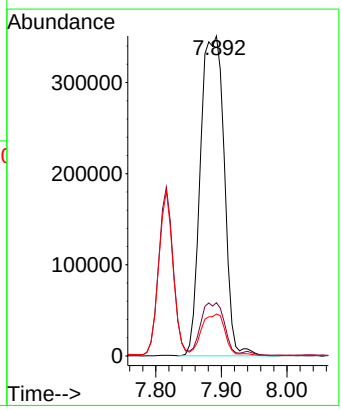


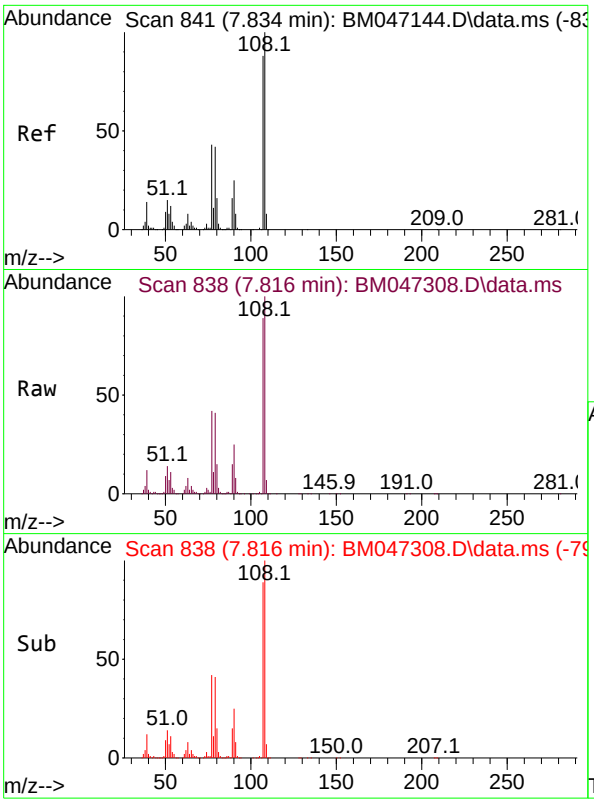


#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.012 ng
RT: 7.892 min Scan# 851
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion: 45 Resp: 880322

Ion	Ratio	Lower	Upper
45	100		
77	16.7	0.0	35.6
79	13.1	0.0	32.4



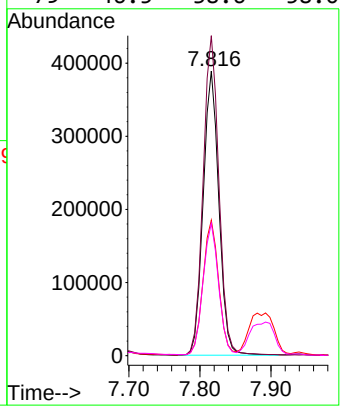


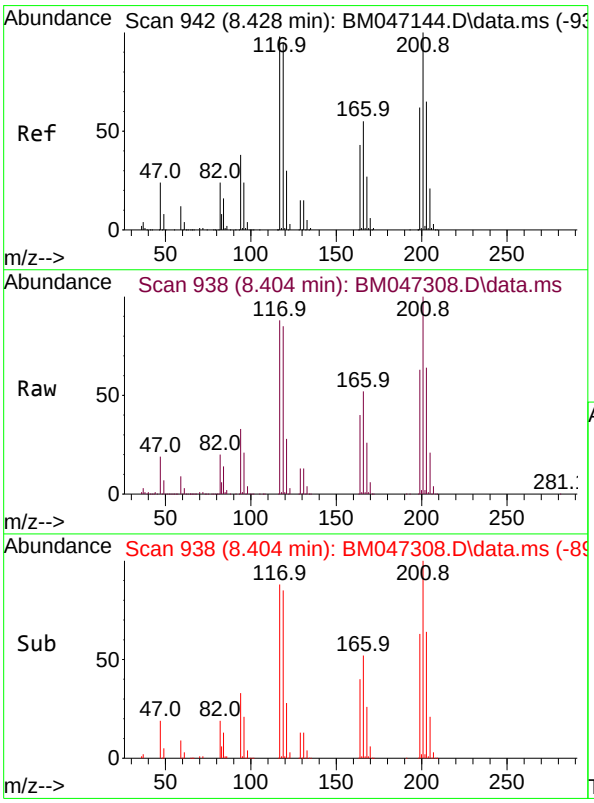
#17
2-Methylphenol
Concen: 36.976 ng
RT: 7.816 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 598616

Ion	Ratio	Lower	Upper
107	100		
108	112.4	90.6	135.8
77	47.6	39.3	58.9
79	46.5	38.6	58.0

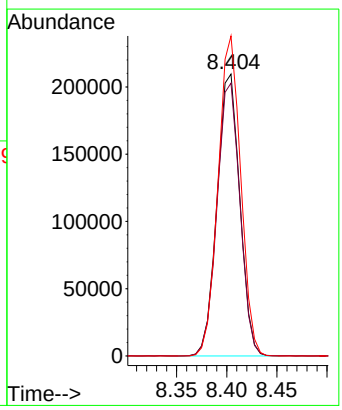


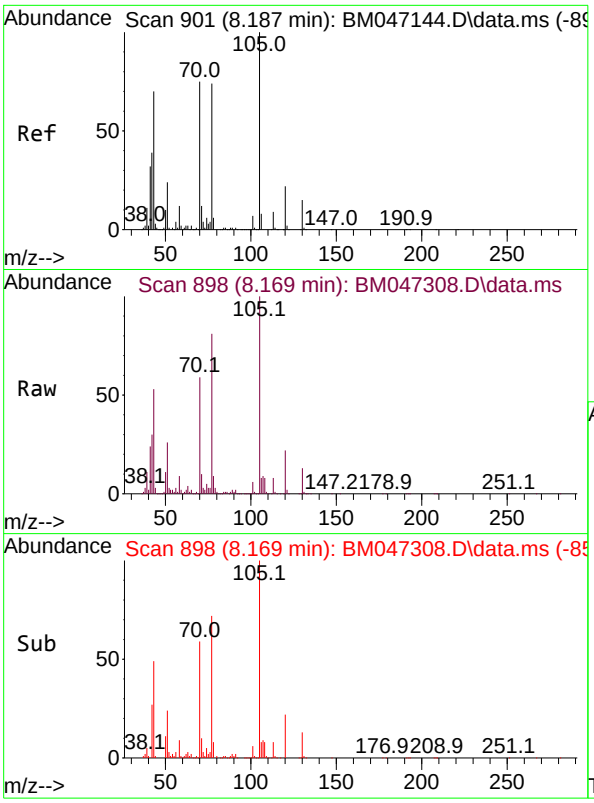


#18
Hexachloroethane
Concen: 36.929 ng
RT: 8.404 min Scan# 938
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:117 Resp: 331304

Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.0	115.4
201	113.5	81.3	121.9



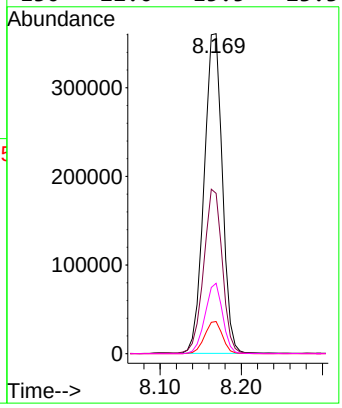


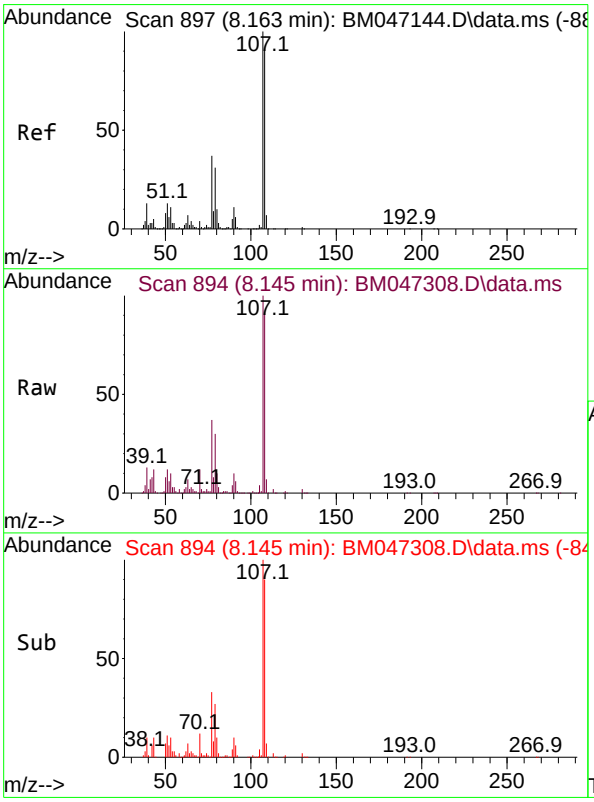
#19
n-Nitroso-di-n-propylamine
Concen: 34.301 ng
RT: 8.169 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 561893

Ion	Ratio	Lower	Upper
70	100		
42	50.1	42.0	63.0
101	10.1	7.2	10.8
130	22.0	15.5	23.3

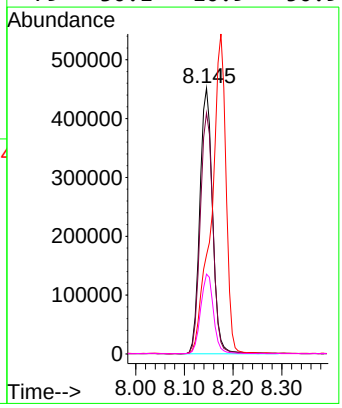


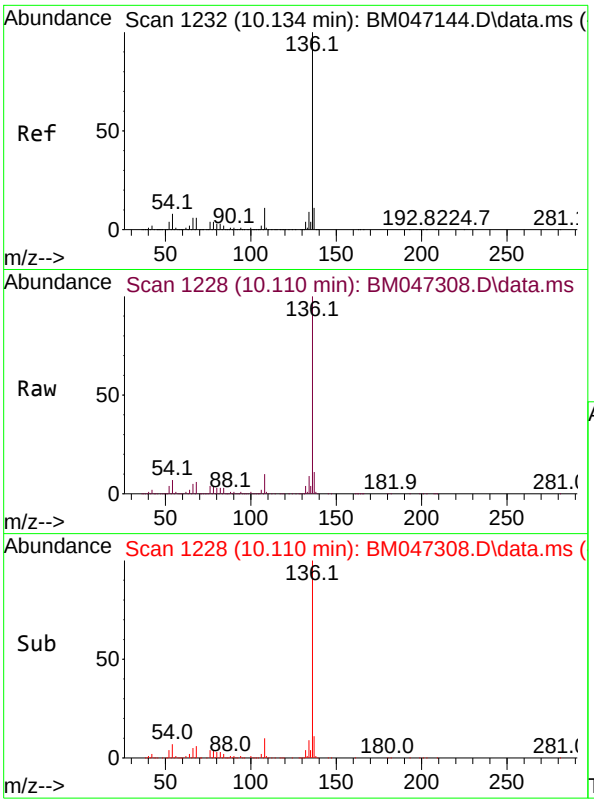


#20
3+4-Methylphenols
Concen: 36.179 ng
RT: 8.145 min Scan# 894
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:107 Resp: 818840

Ion	Ratio	Lower	Upper
107	100		
108	90.6	70.7	110.7
77	37.2	17.4	57.4
79	30.1	10.9	50.9



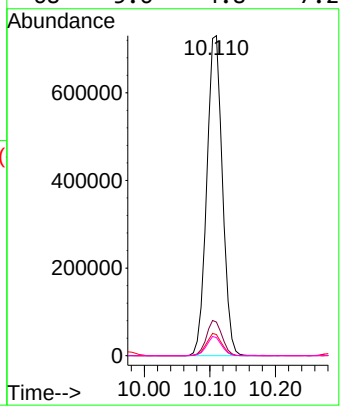


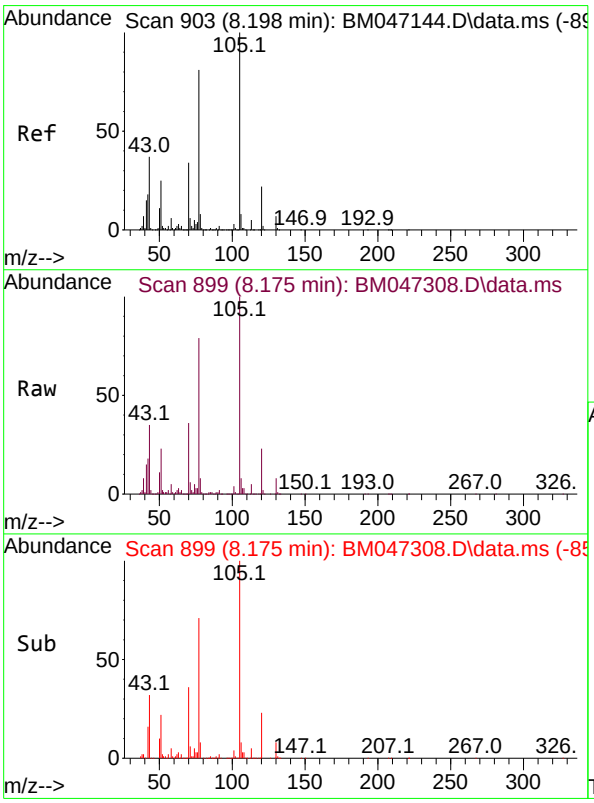
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 1211803

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	6.6	6.0	9.0
68	5.6	4.8	7.2

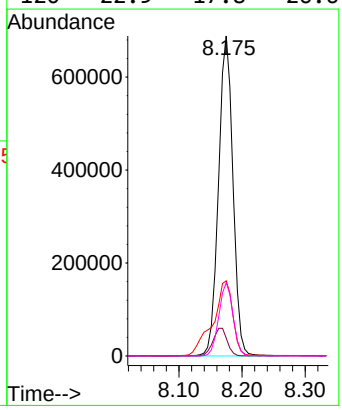


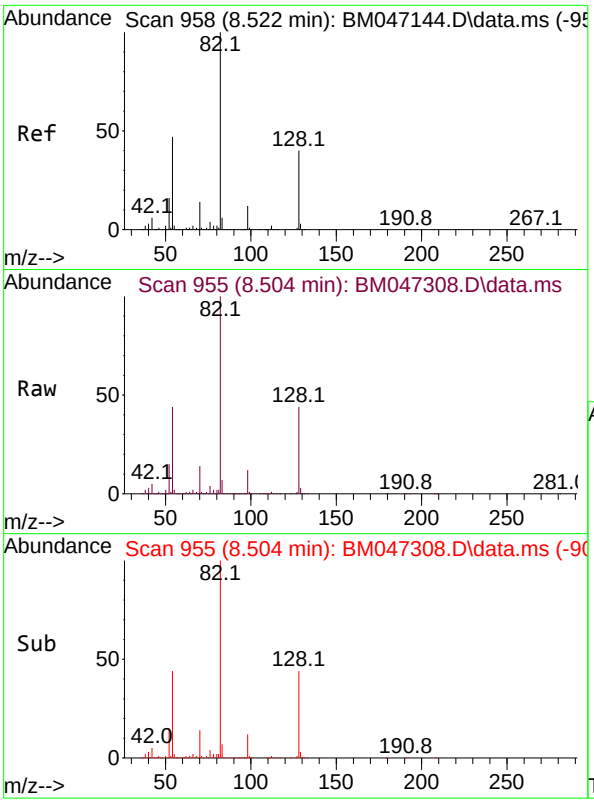


#22
Acetophenone
Concen: 37.424 ng
RT: 8.175 min Scan# 899
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:105 Resp: 1094687

Ion	Ratio	Lower	Upper
105	100		
71	5.6	4.5	6.7
51	23.5	20.1	30.1
120	22.9	17.8	26.6



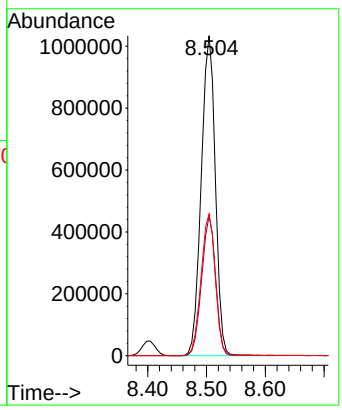


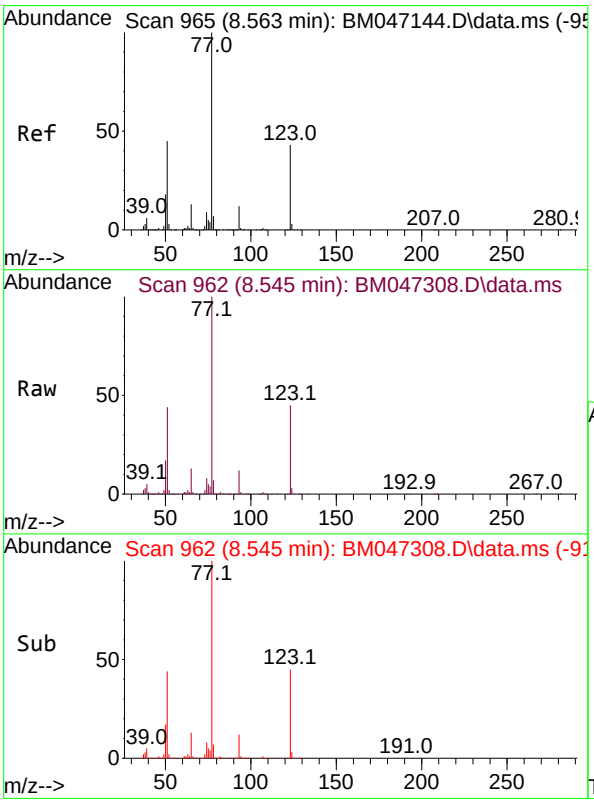
#23
Nitrobenzene-d5
Concen: 71.513 ng
RT: 8.504 min Scan# 9
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1721029

Ion	Ratio	Lower	Upper
82	100		
128	43.7	32.3	48.5
54	44.2	37.4	56.2

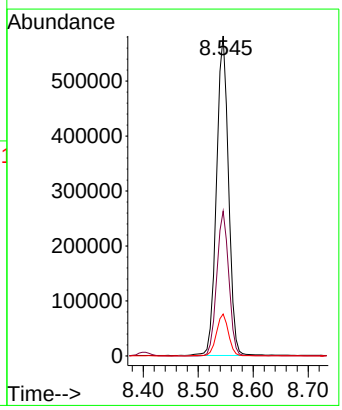


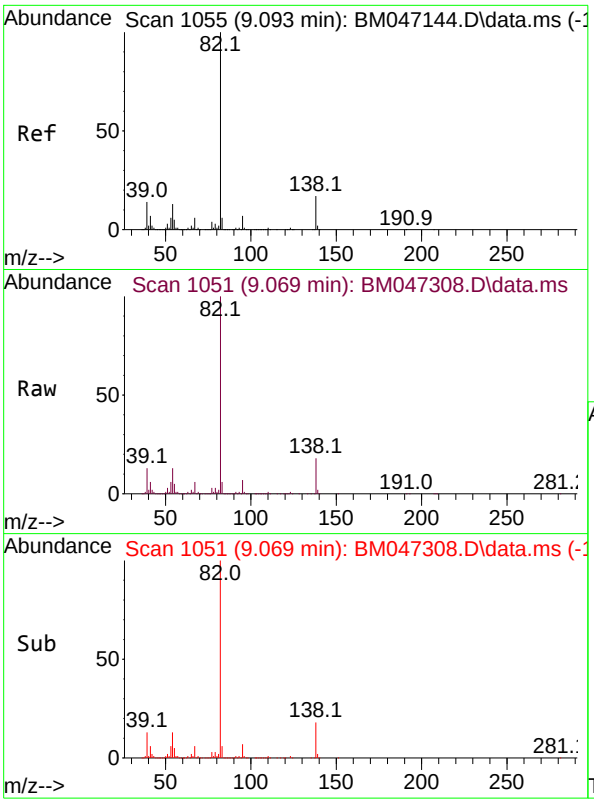


#24
Nitrobenzene
Concen: 36.519 ng
RT: 8.545 min Scan# 962
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion: 77 Resp: 884972

Ion	Ratio	Lower	Upper
77	100		
123	45.2	34.0	51.0
65	13.1	10.5	15.7



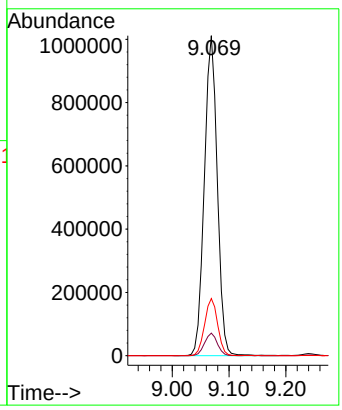


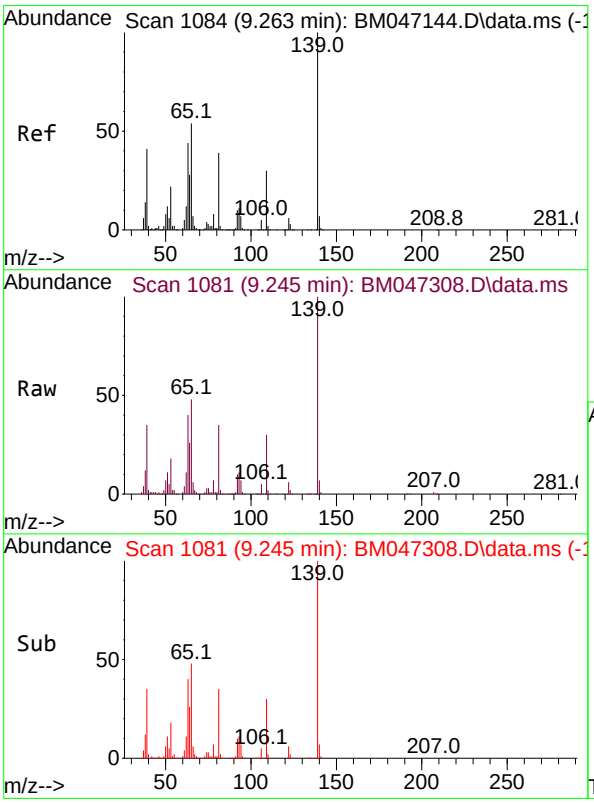
#25
Isophorone
Concen: 37.971 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1591106

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.5	8.3
138	17.8	13.5	20.3

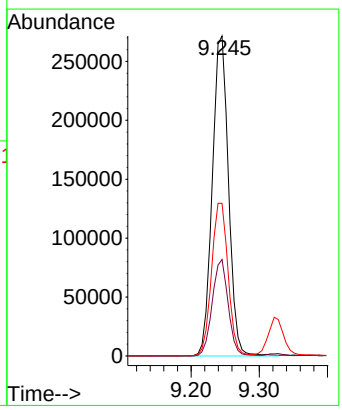


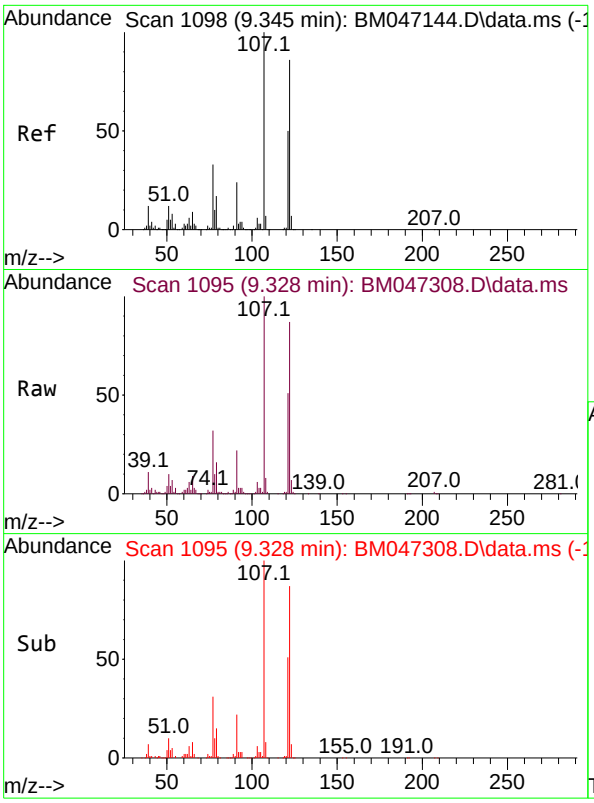


#26
2-Nitrophenol
Concen: 41.863 ng
RT: 9.245 min Scan# 1081
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:139 Resp: 449274

Ion	Ratio	Lower	Upper
139	100		
109	30.2	24.4	36.6
65	47.7	43.0	64.6



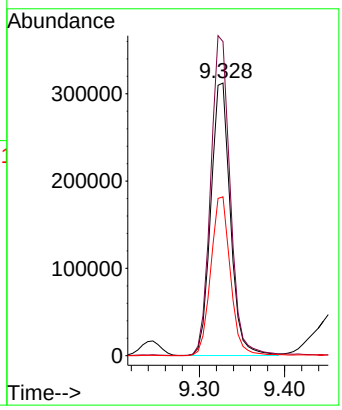


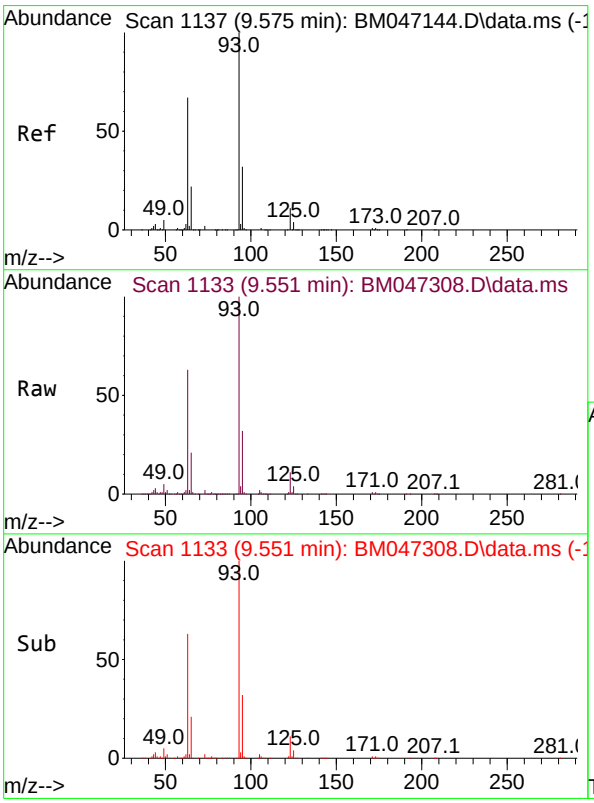
#27
2,4-Dimethylphenol
Concen: 39.527 ng
RT: 9.328 min Scan# 1(
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 496910

Ion	Ratio	Lower	Upper
122	100		
107	115.2	92.8	139.2
121	58.2	46.1	69.1

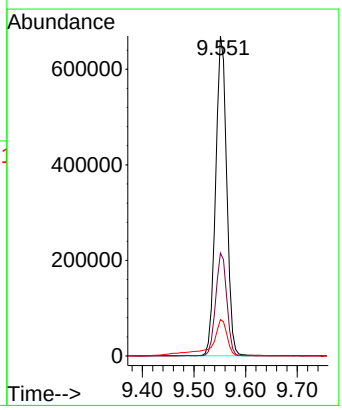


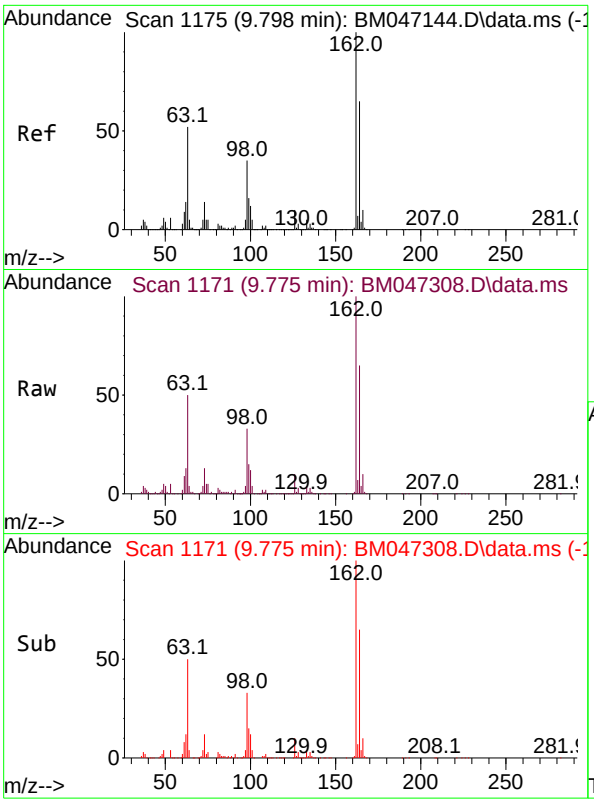


#28
bis(2-Chloroethoxy)methane
Concen: 37.664 ng
RT: 9.551 min Scan# 1133
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion: 93 Resp: 993074

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.8	38.8
123	11.4	9.0	13.4



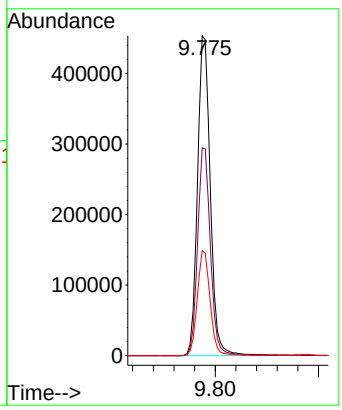


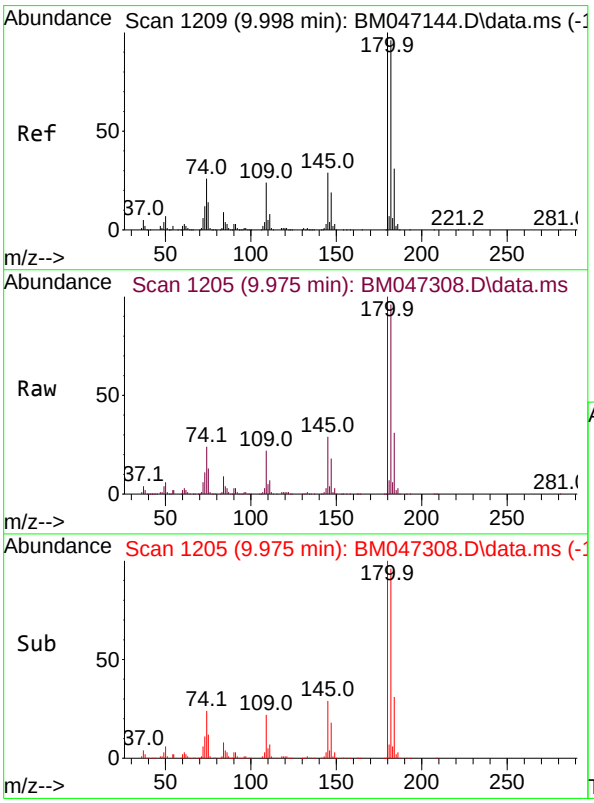
#29
2,4-Dichlorophenol
Concen: 41.938 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 782273

Ion	Ratio	Lower	Upper
162	100		
164	65.0	44.7	84.7
98	32.8	14.9	54.9

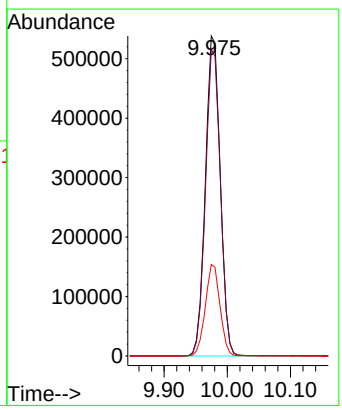


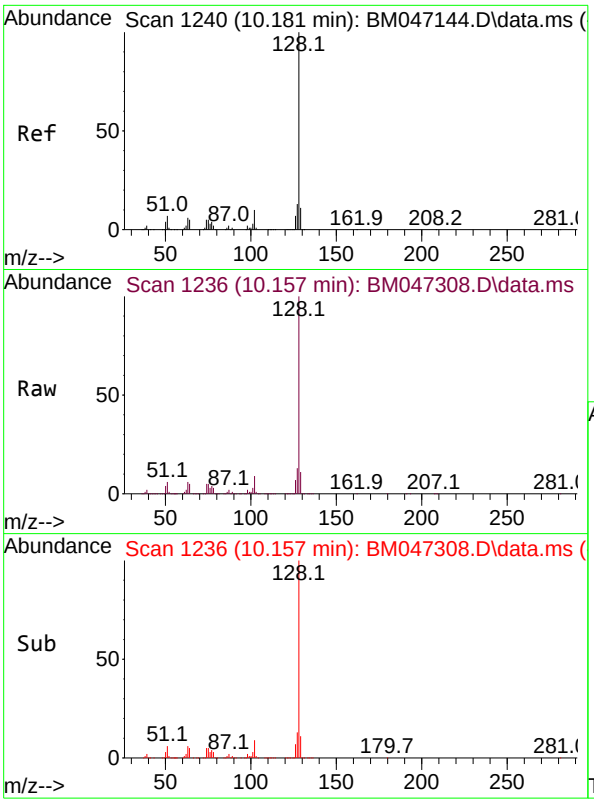


#30
1,2,4-Trichlorobenzene
Concen: 41.742 ng
RT: 9.975 min Scan# 1205
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:180 Resp: 881137

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	115.0
145	28.6	23.4	35.2



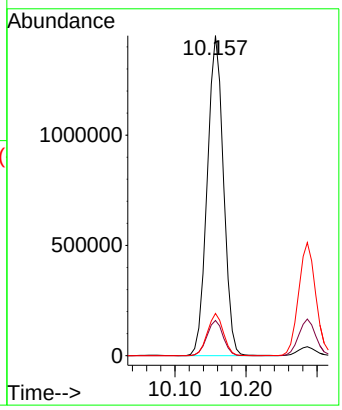


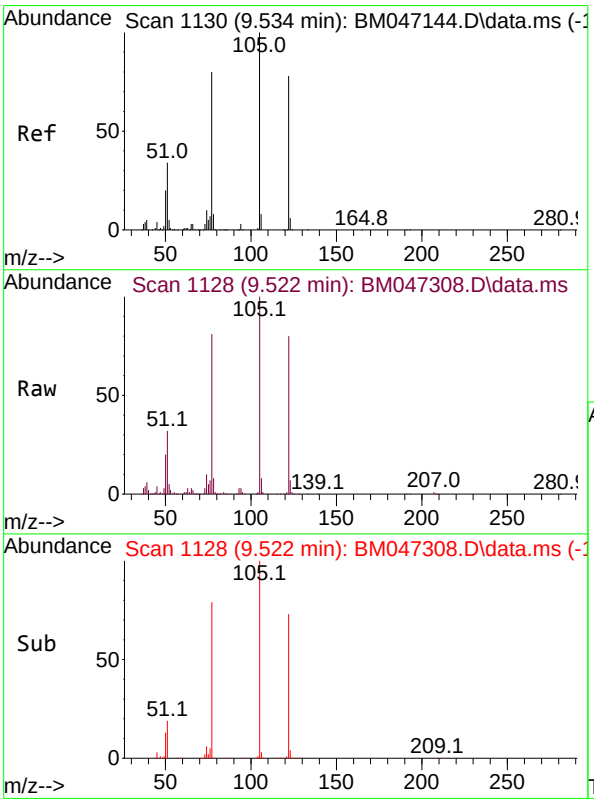
#31
Naphthalene
Concen: 38.156 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 2303393

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.2	10.2	15.4

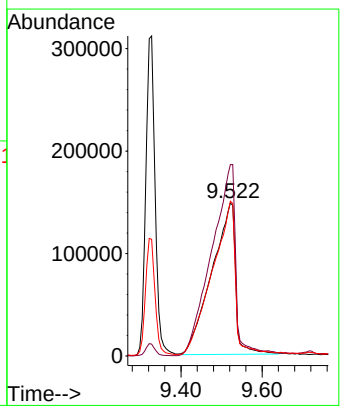


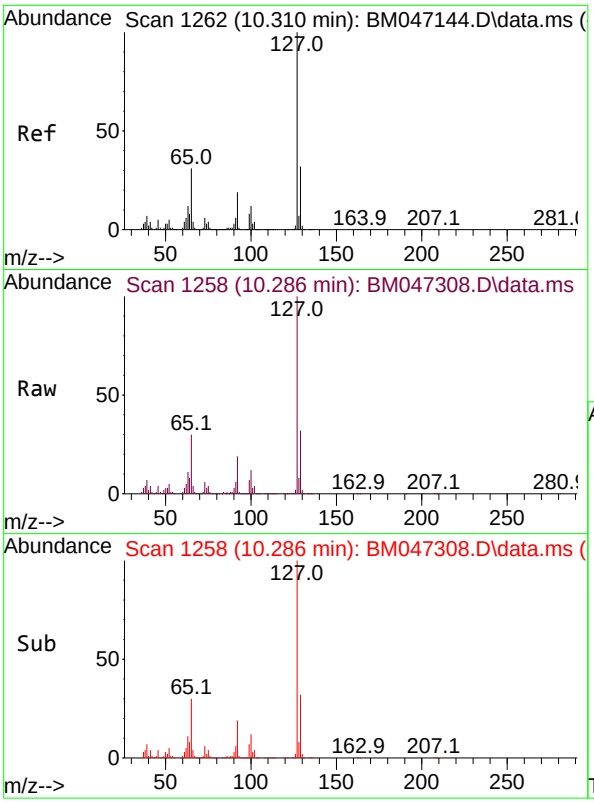


#32
Benzoic acid
Concen: 41.350 ng
RT: 9.522 min Scan# 1128
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:122 Resp: 603943

Ion	Ratio	Lower	Upper
122	100		
105	125.1	107.1	147.1
77	101.2	82.1	122.1



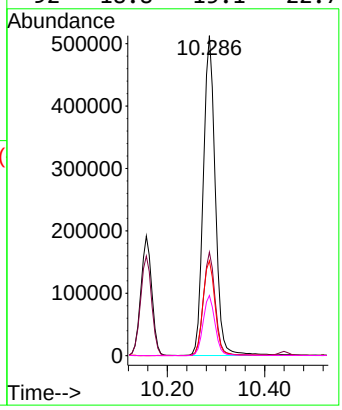


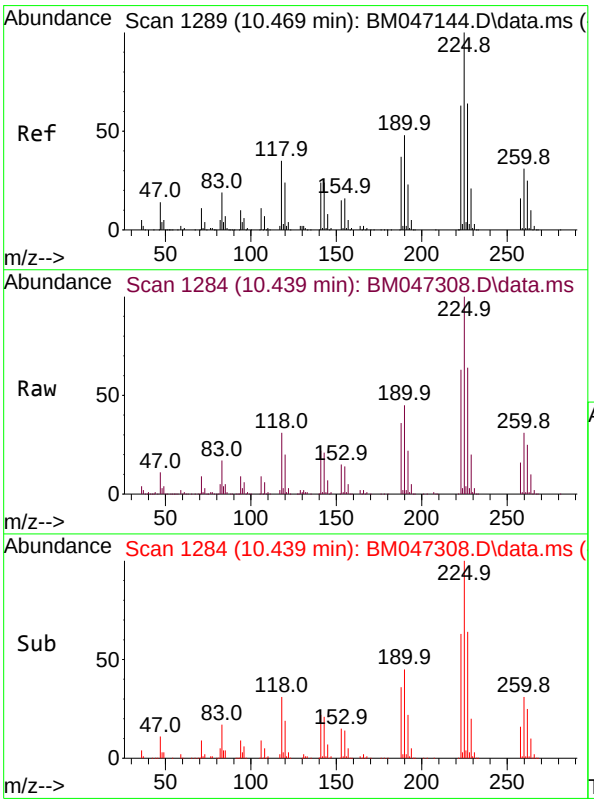
#33
4-Chloroaniline
Concen: 37.641 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 873816

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.8
65	29.6	24.9	37.3
92	18.8	15.1	22.7

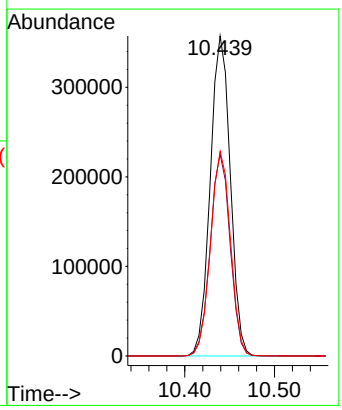


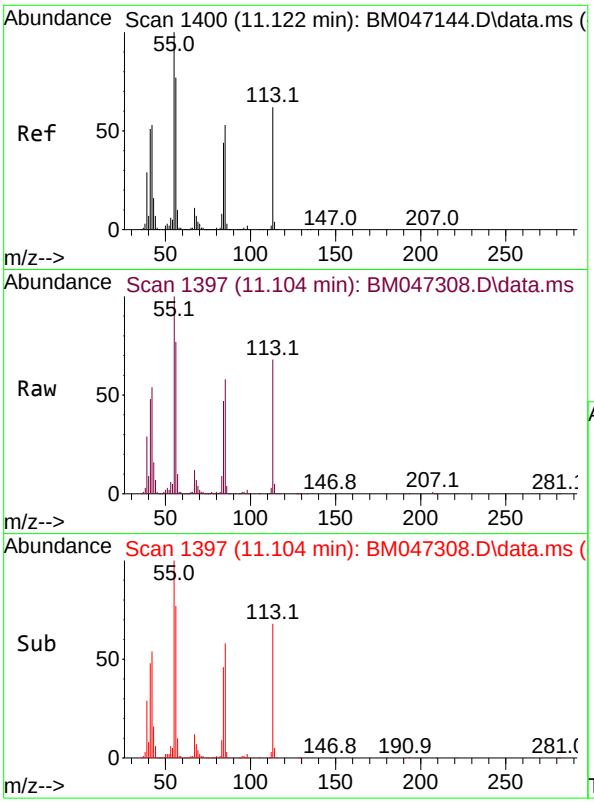


#34
Hexachlorobutadiene
Concen: 44.840 ng
RT: 10.439 min Scan# 1284
Delta R.T. -0.030 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:225 Resp: 554015

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.2	75.2
227	64.0	51.4	77.0



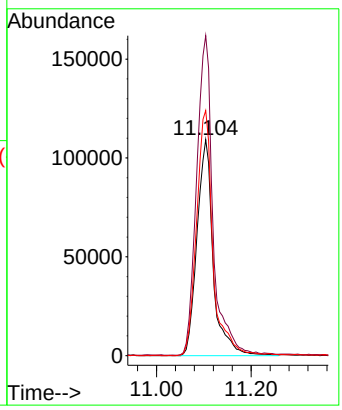


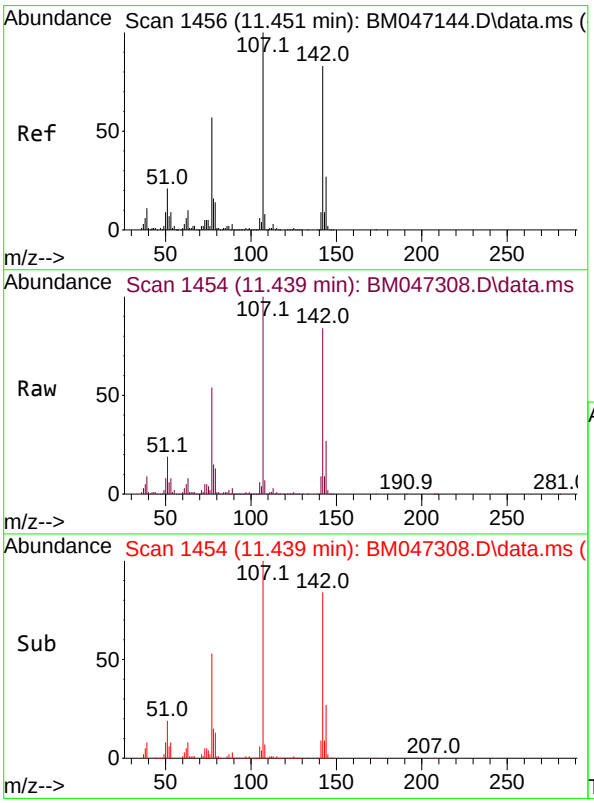
#35
Caprolactam
Concen: 40.031 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 259311

Ion	Ratio	Lower	Upper
113	100		
55	148.1	140.5	180.5
56	113.4	103.6	143.6

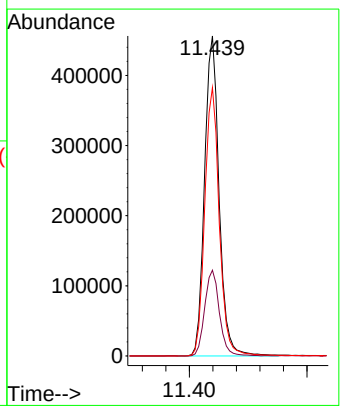


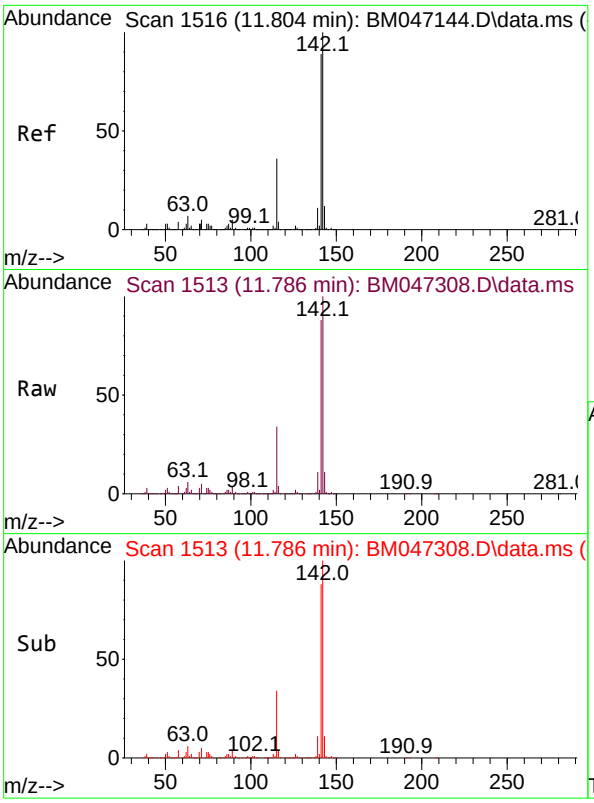


#36
4-Chloro-3-methylphenol
Concen: 39.548 ng
RT: 11.439 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:107 Resp: 785639

Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.8	32.6
142	83.9	66.8	100.2



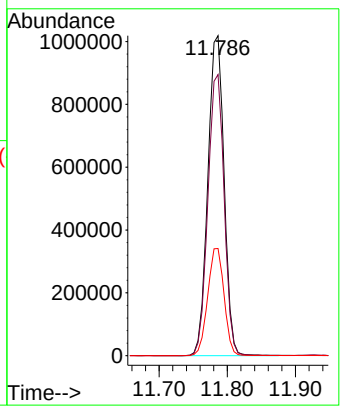


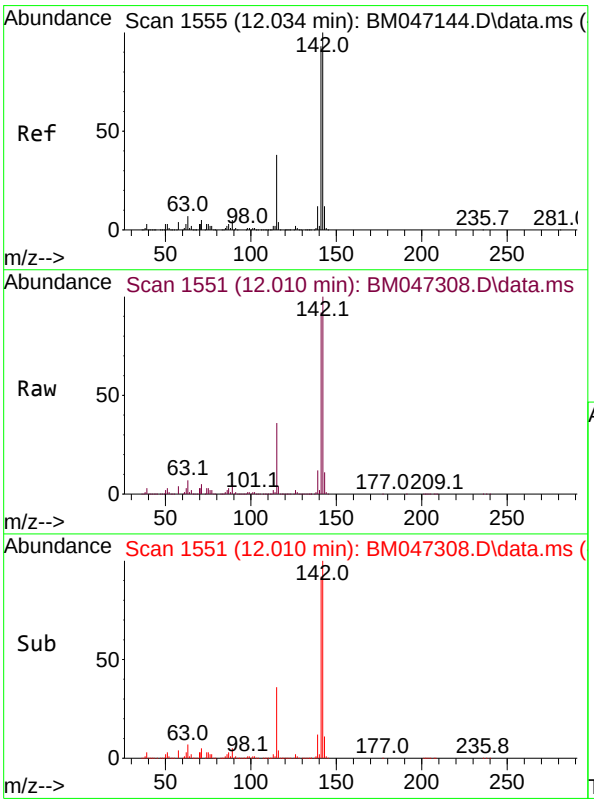
#37
2-Methylnaphthalene
Concen: 39.270 ng
RT: 11.786 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1687918

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.9	106.3
115	33.5	28.7	43.1

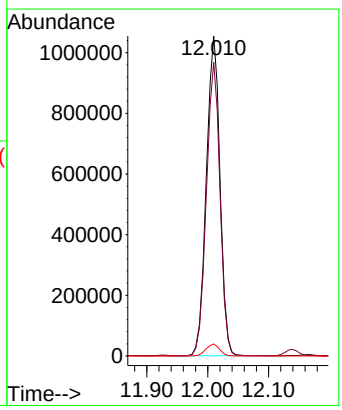


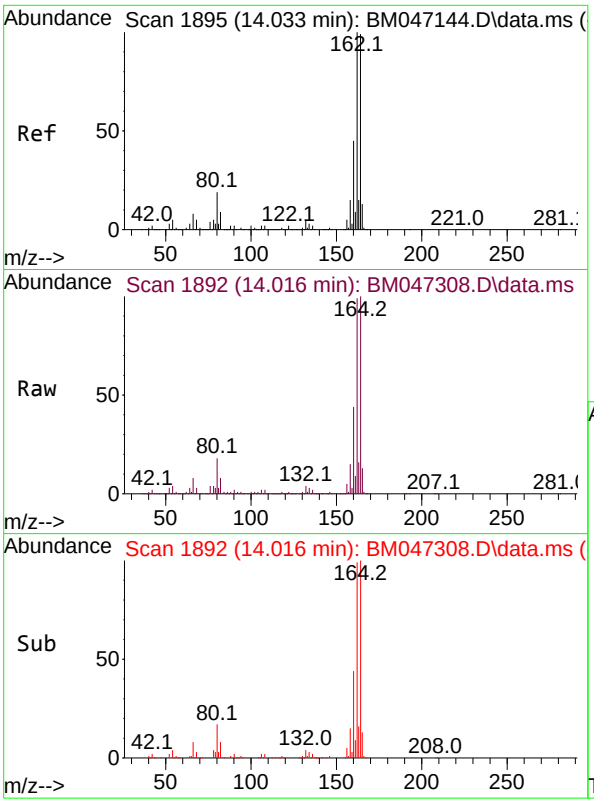


#38
1-Methylnaphthalene
Concen: 38.700 ng
RT: 12.010 min Scan# 1551
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:142 Resp: 1643957

Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.6	111.8
116	3.8	3.1	4.7



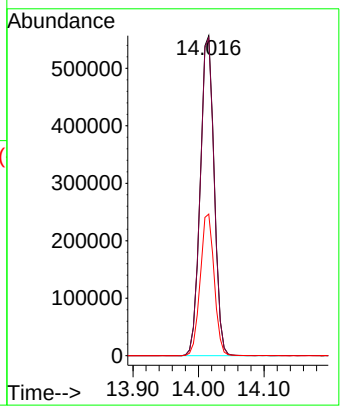


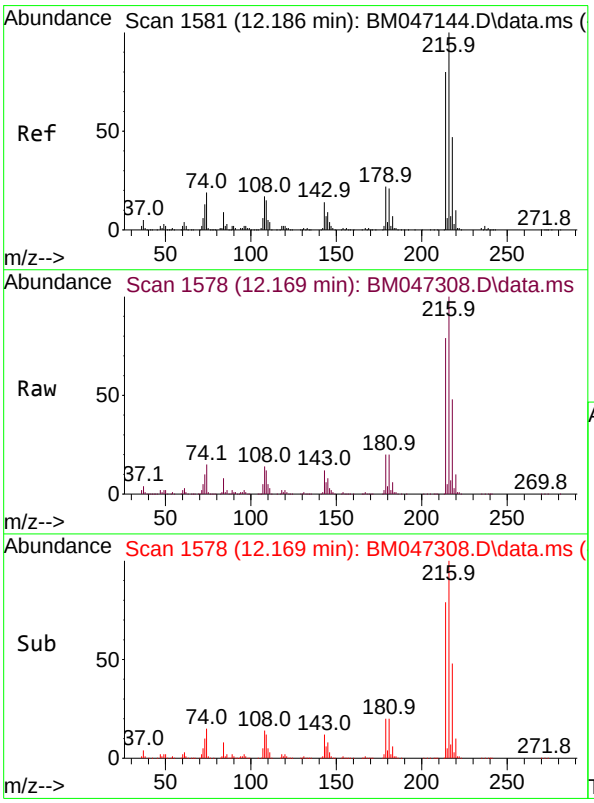
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 822573

Ion	Ratio	Lower	Upper
164	100		
162	99.3	80.7	121.1
160	44.2	36.0	54.0

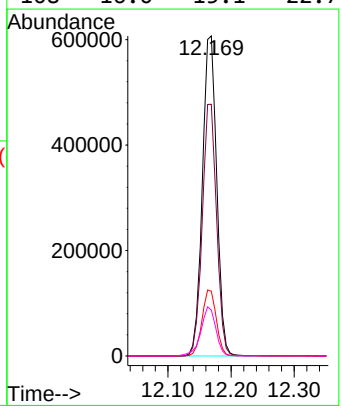


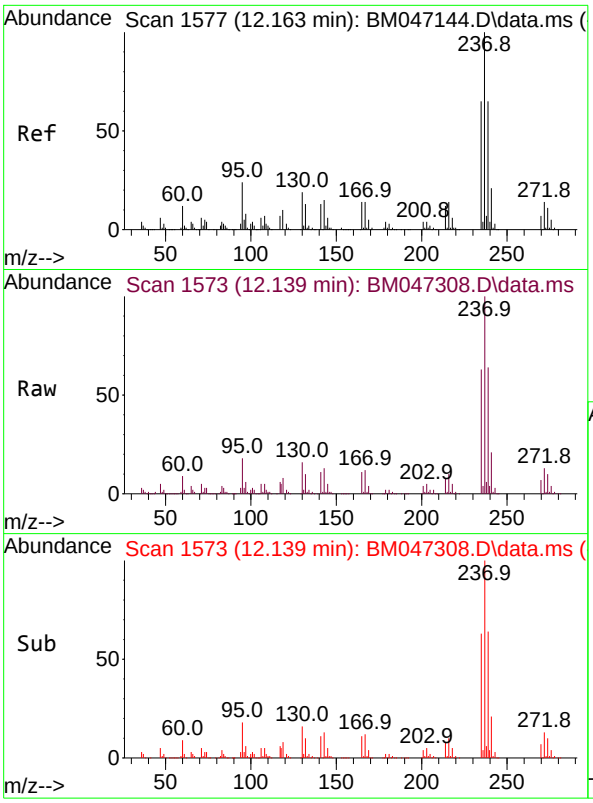


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.662 ng
RT: 12.169 min Scan# 1578
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:216 Resp: 957174

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.4	95.2
179	20.6	17.6	26.4
108	16.0	15.1	22.7



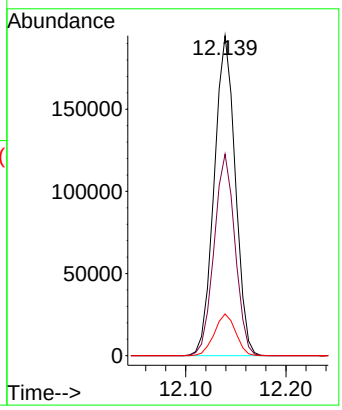


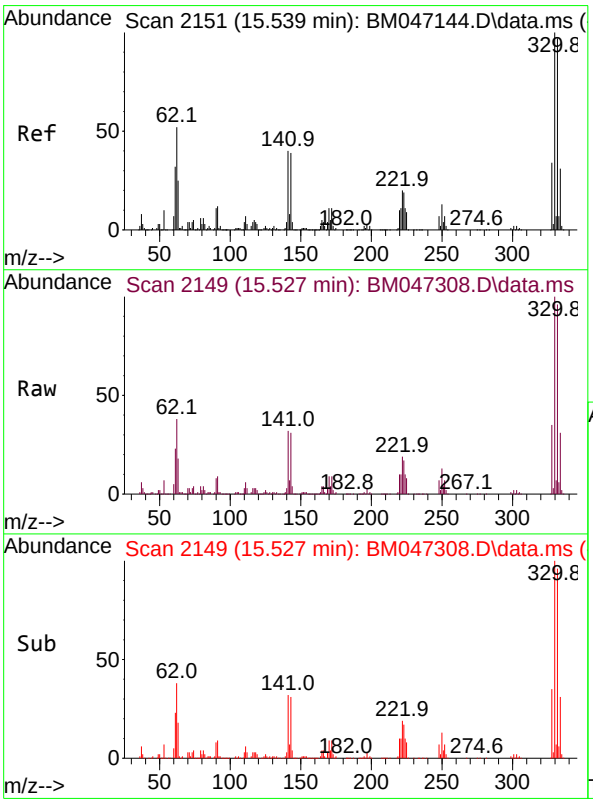
#41
Hexachlorocyclopentadiene
Concen: 36.329 ng
RT: 12.139 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 284615

Ion	Ratio	Lower	Upper
237	100		
235	63.0	44.8	84.8
272	13.1	0.0	33.5

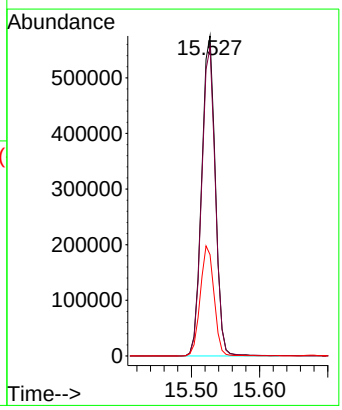


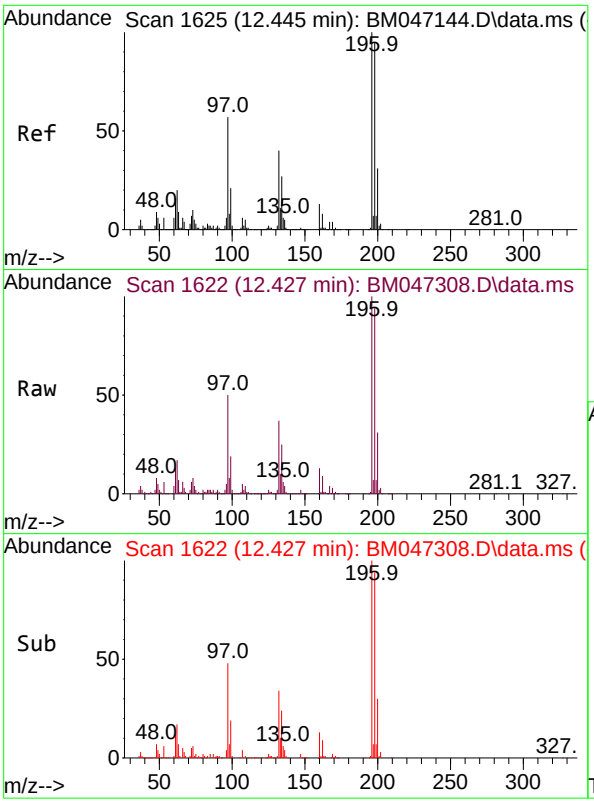


#42
2,4,6-Tribromophenol
Concen: 83.918 ng
RT: 15.527 min Scan# 2149
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:330 Resp: 800401

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.2
141	34.8	31.6	47.4



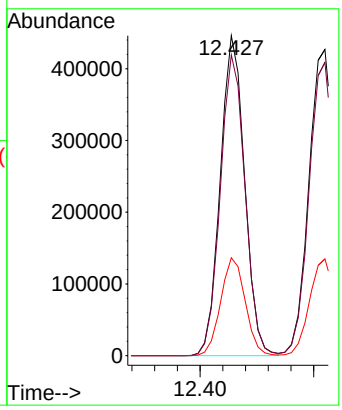


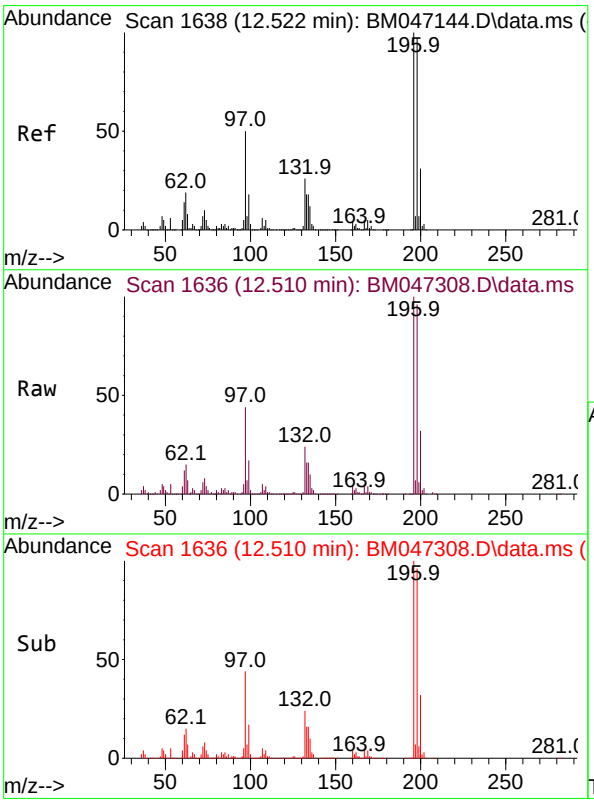
#43
2,4,6-Trichlorophenol
Concen: 41.744 ng
RT: 12.427 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 665686

Ion	Ratio	Lower	Upper
196	100		
198	94.0	75.6	113.4
200	30.6	24.6	37.0

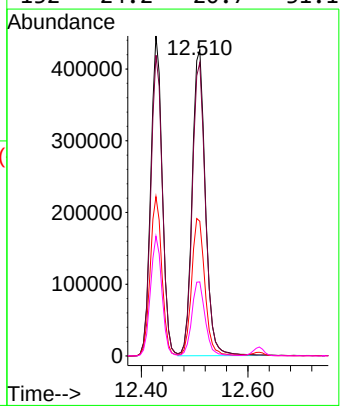


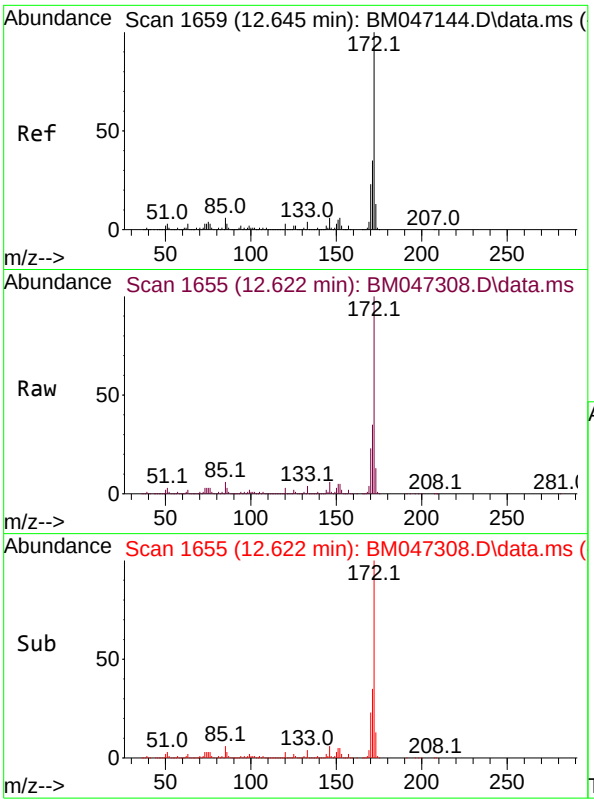


#44
2,4,5-Trichlorophenol
Concen: 41.695 ng
RT: 12.510 min Scan# 1636
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:196 Resp: 738243

Ion	Ratio	Lower	Upper
196	100		
198	95.8	77.7	116.5
97	44.0	39.8	59.8
132	24.2	20.7	31.1



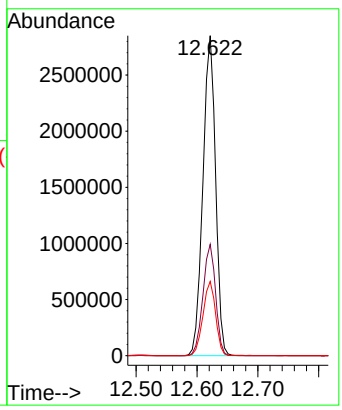


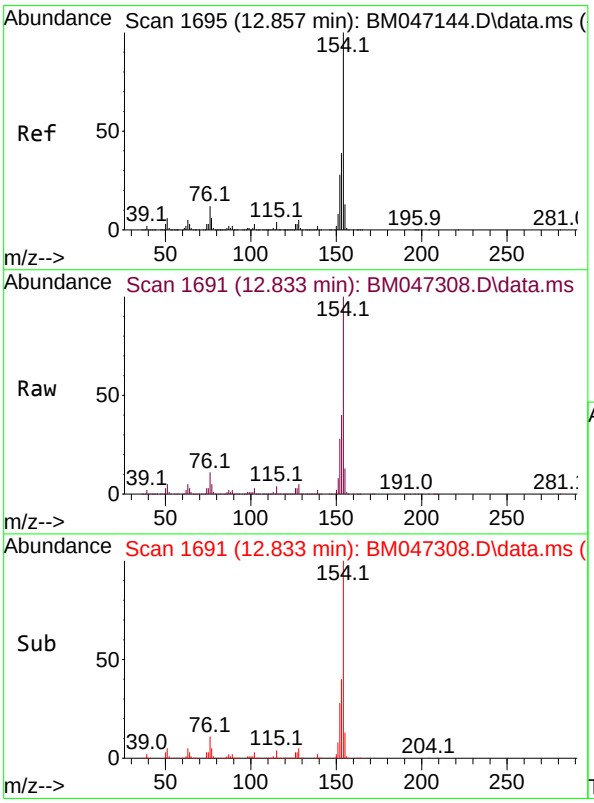
#45
2-Fluorobiphenyl
Concen: 77.269 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 4120450

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.2	18.7	28.1

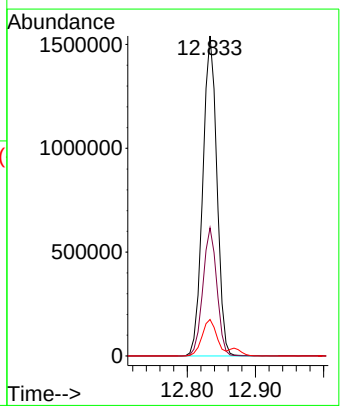


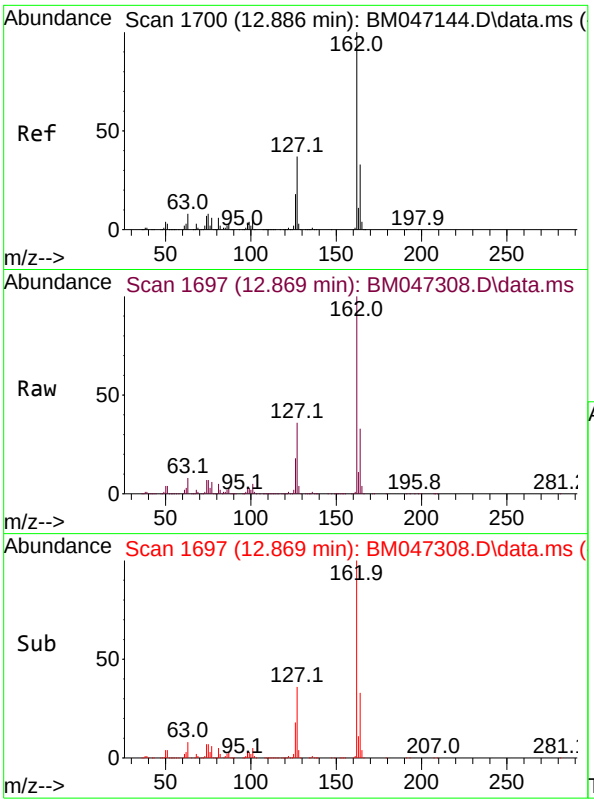


#46
1,1'-Biphenyl
Concen: 37.912 ng
RT: 12.833 min Scan# 1691
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:154 Resp: 2220122

Ion	Ratio	Lower	Upper
154	100		
153	40.0	19.0	59.0
76	11.4	0.0	31.9



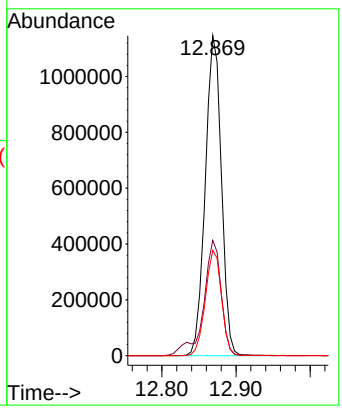


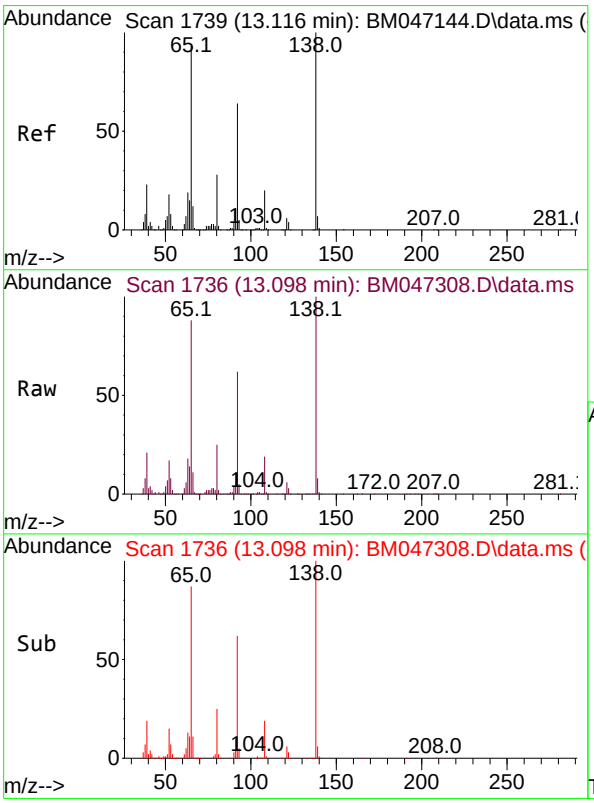
#47
2-Chloronaphthalene
Concen: 37.879 ng
RT: 12.869 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1733753

Ion	Ratio	Lower	Upper
162	100		
127	36.1	30.0	45.0
164	32.9	26.3	39.5

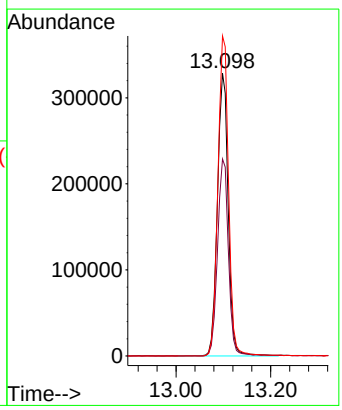


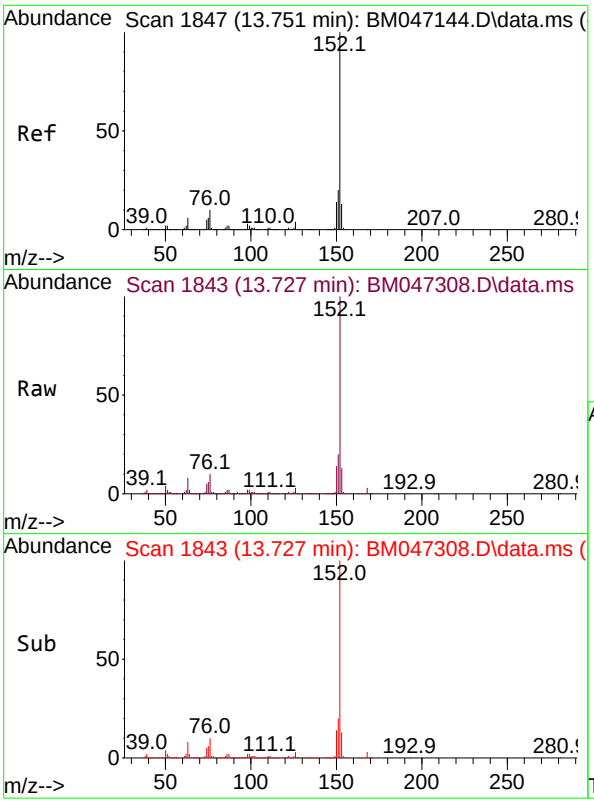


#48
2-Nitroaniline
Concen: 36.219 ng
RT: 13.098 min Scan# 1736
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion: 65 Resp: 519350

Ion	Ratio	Lower	Upper
65	100		
92	69.7	55.1	82.7
138	113.2	85.9	128.9



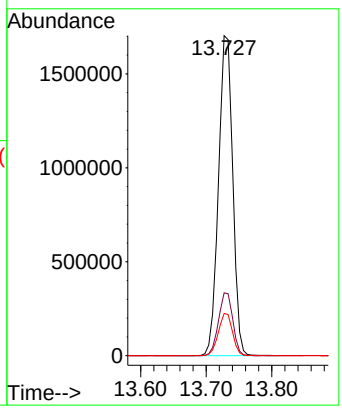


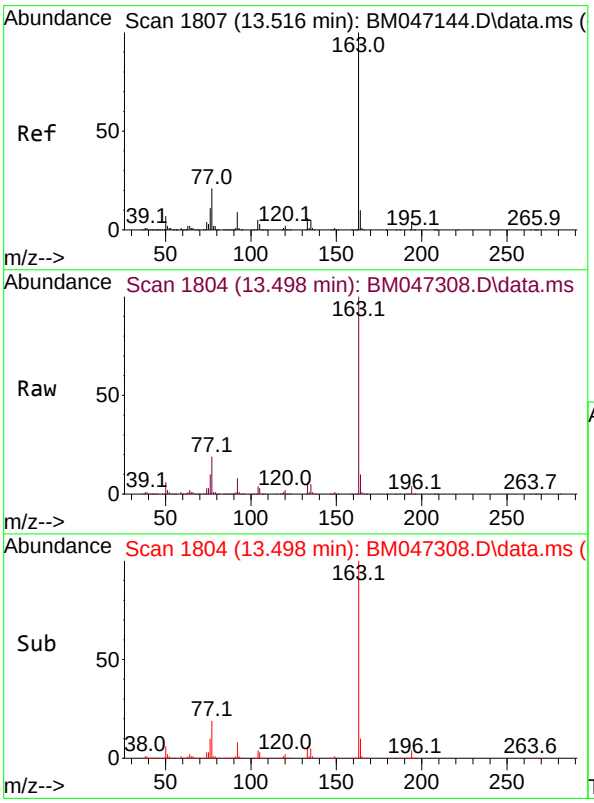
#49
Acenaphthylene
Concen: 37.959 ng
RT: 13.727 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 2561019

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.2	10.4	15.6

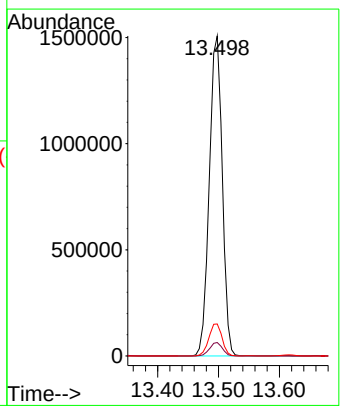


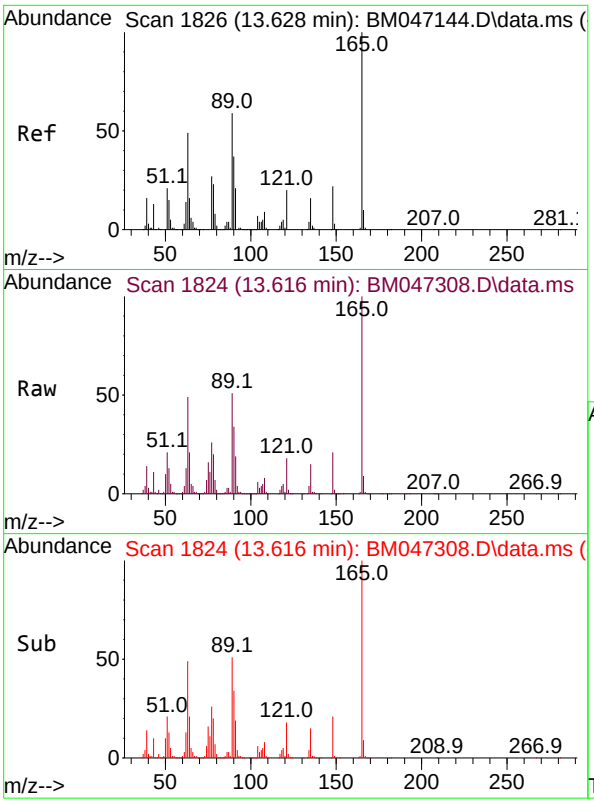


#50
Dimethylphthalate
Concen: 38.861 ng
RT: 13.498 min Scan# 1804
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:163 Resp: 2232553

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.6
164	10.0	8.0	12.0



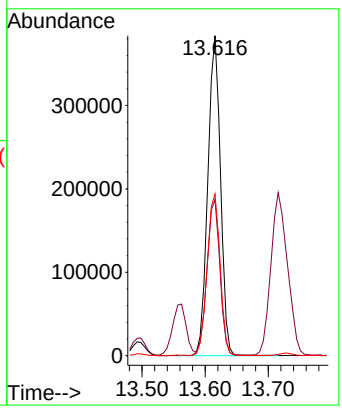


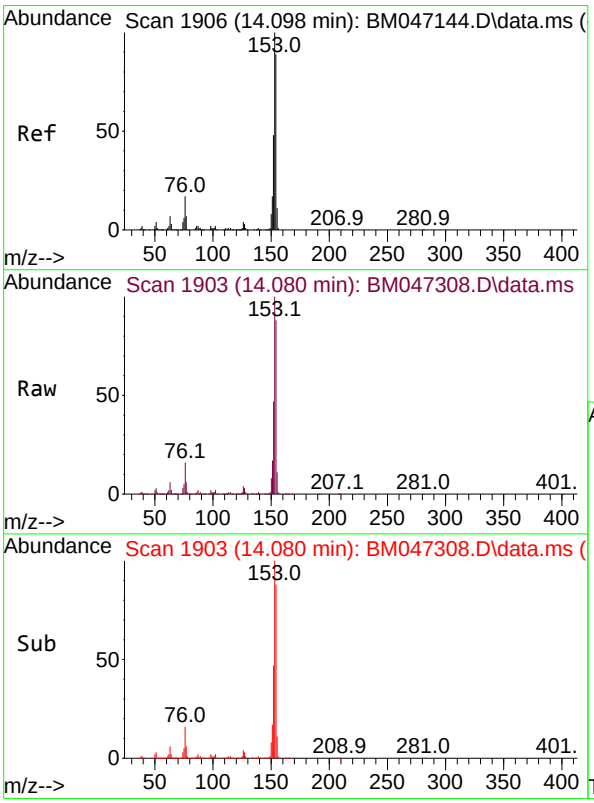
#51
2,6-Dinitrotoluene
Concen: 39.978 ng
RT: 13.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 536890

Ion	Ratio	Lower	Upper
165	100		
63	48.8	46.5	69.7
89	50.6	47.3	70.9

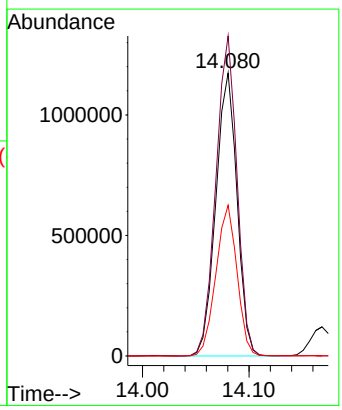


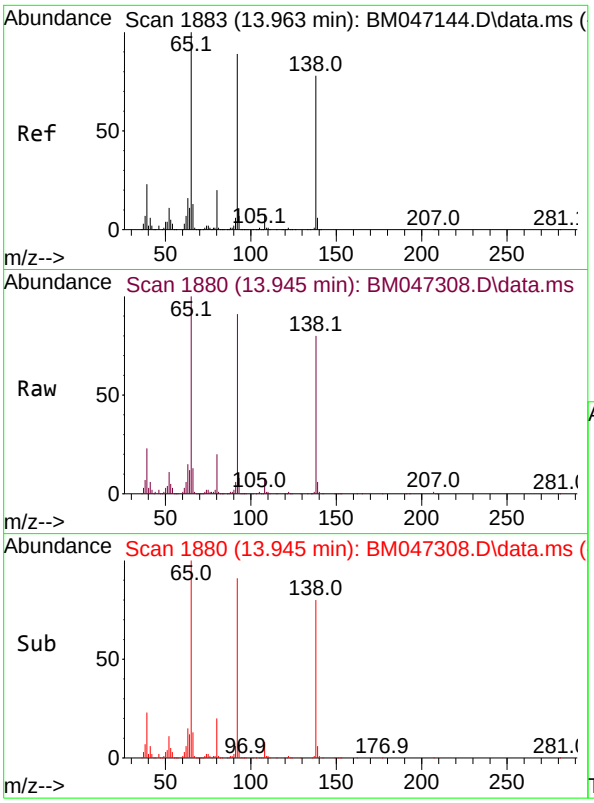


#52
Acenaphthene
Concen: 37.872 ng
RT: 14.080 min Scan# 1903
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:154 Resp: 1620780

Ion	Ratio	Lower	Upper
154	100		
153	113.1	90.3	135.5
152	53.3	42.9	64.3



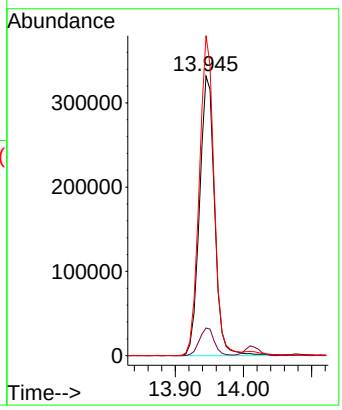


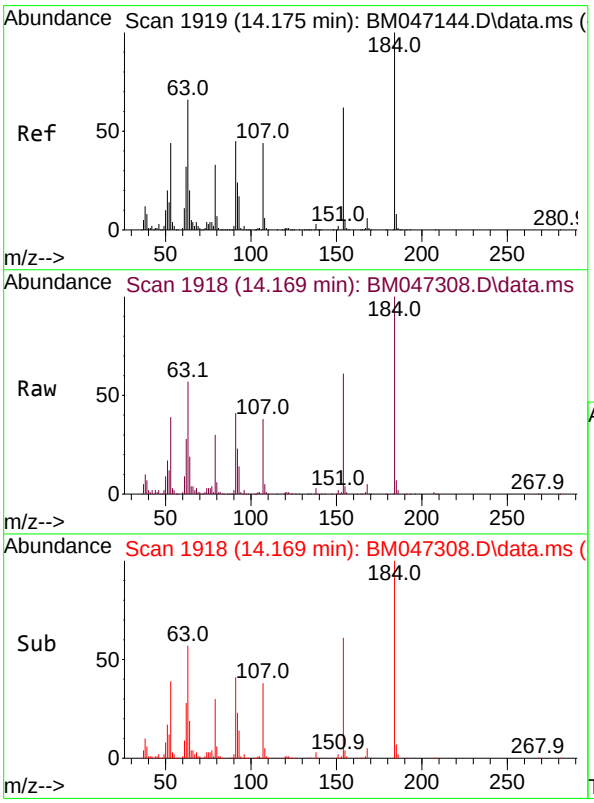
#53
3-Nitroaniline
Concen: 37.966 ng
RT: 13.945 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 510904

Ion	Ratio	Lower	Upper
138	100		
108	9.9	7.9	11.9
92	114.5	92.0	138.0

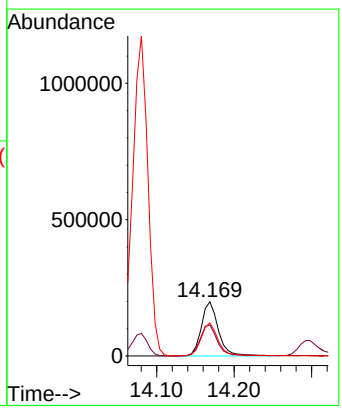


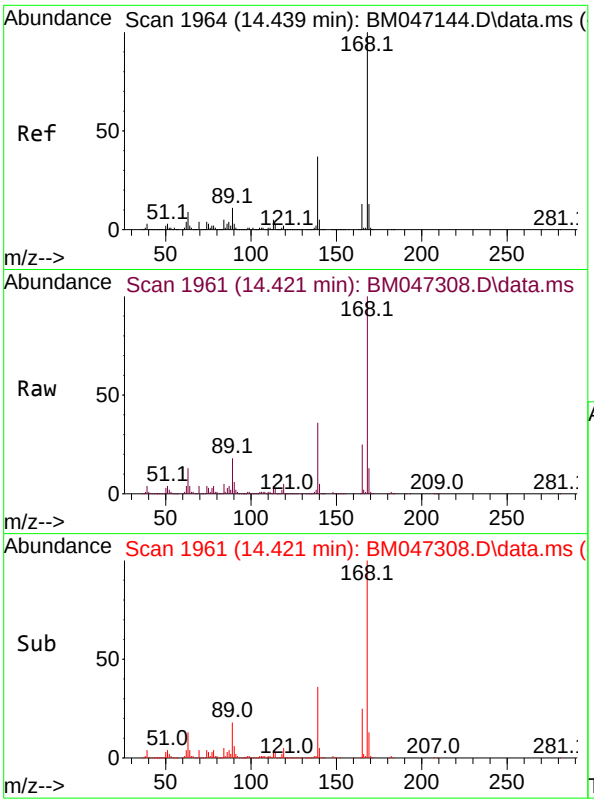


#54
2,4-Dinitrophenol
Concen: 37.702 ng
RT: 14.169 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:184 Resp: 303462

Ion	Ratio	Lower	Upper
184	100		
63	57.0	52.7	79.1
154	60.8	50.4	75.6



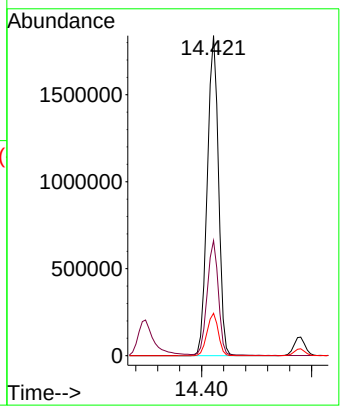


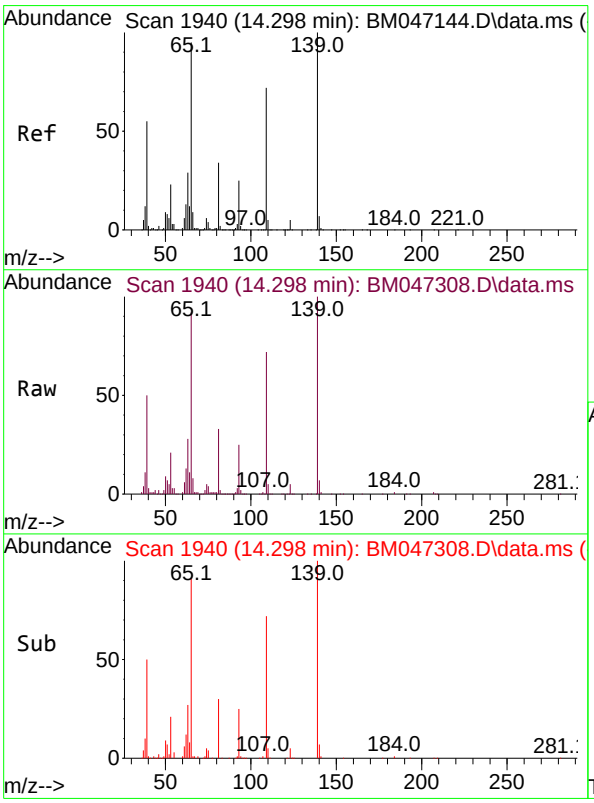
#55
Dibenzofuran
Concen: 38.323 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 2590656

Ion	Ratio	Lower	Upper
168	100		
139	36.0	29.6	44.4
169	13.2	10.7	16.1

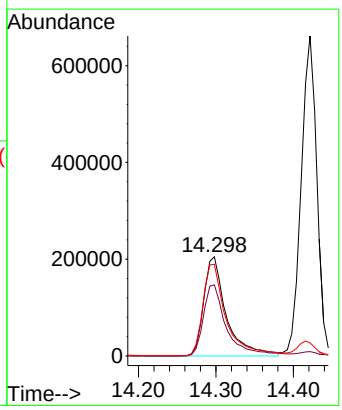


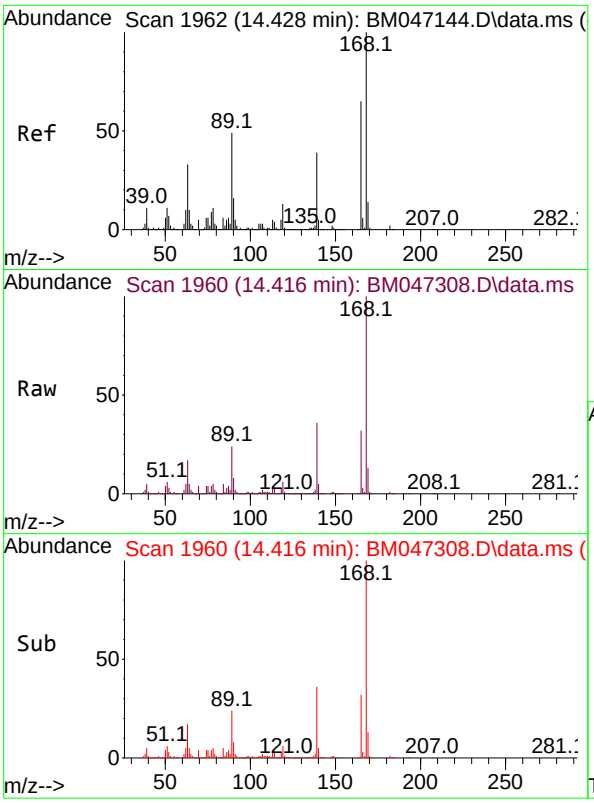


#56
4-Nitrophenol
Concen: 35.815 ng
RT: 14.298 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:139 Resp: 415593

Ion	Ratio	Lower	Upper
139	100		
109	71.6	52.5	92.5
65	92.4	75.4	115.4



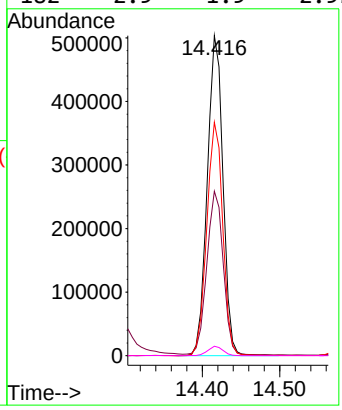


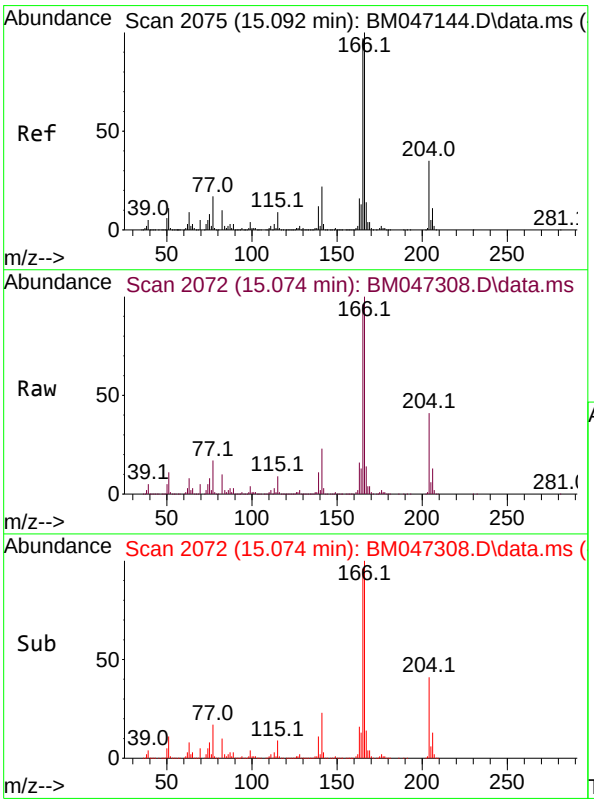
#57
2,4-Dinitrotoluene
Concen: 39.529 ng
RT: 14.416 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 708560

Ion	Ratio	Lower	Upper
165	100		
63	51.4	40.3	60.5
89	73.0	61.0	91.6
182	2.9	1.9	2.9#

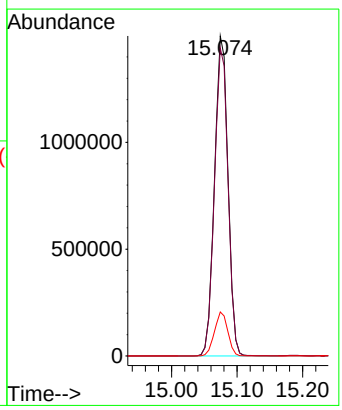


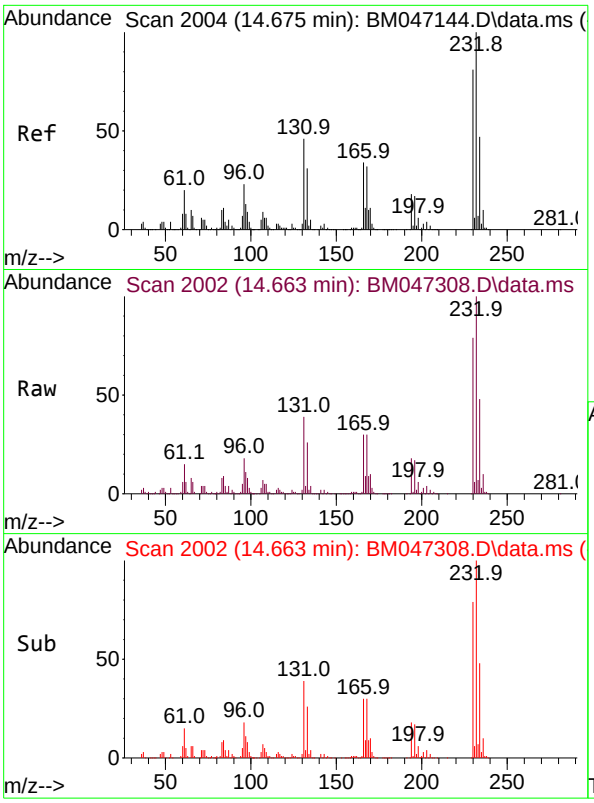


#58
Fluorene
Concen: 38.248 ng
RT: 15.074 min Scan# 2072
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:166 Resp: 2133336

Ion	Ratio	Lower	Upper
166	100		
165	96.3	77.4	116.0
167	13.8	11.0	16.6



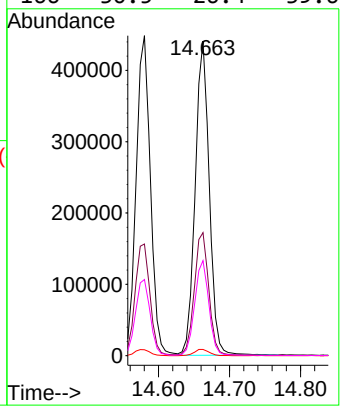


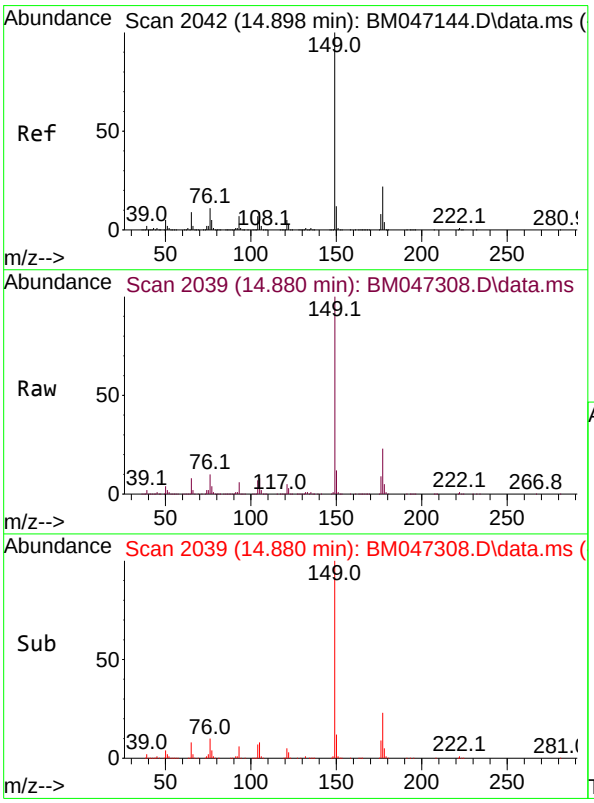
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.872 ng
RT: 14.663 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 609310

Ion	Ratio	Lower	Upper
232	100		
131	40.6	36.9	55.3
130	2.1	2.0	3.0
166	30.5	26.4	39.6

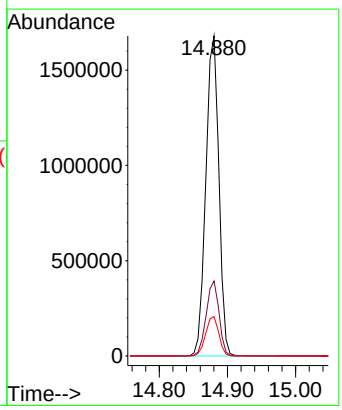


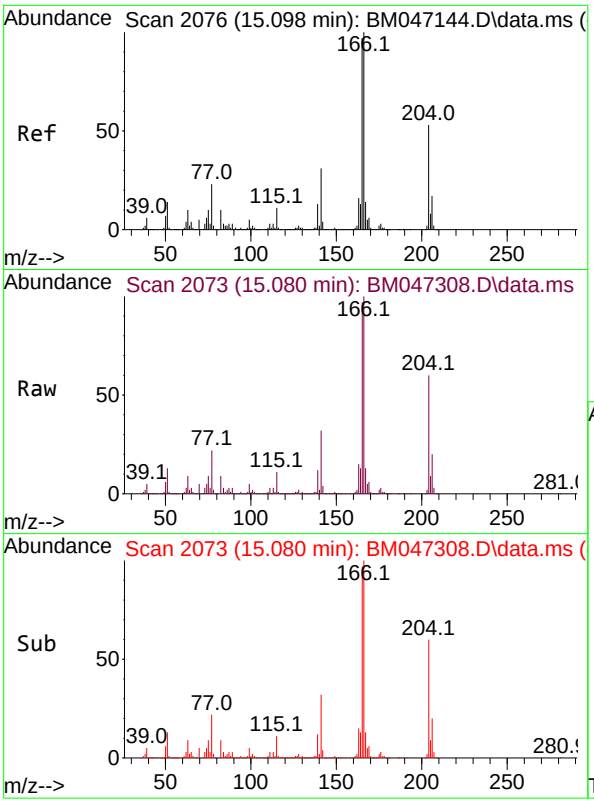


#60
Diethylphthalate
Concen: 38.138 ng
RT: 14.880 min Scan# 2039
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:149 Resp: 2237417

Ion	Ratio	Lower	Upper
149	100		
177	23.5	17.6	26.4
150	12.3	9.8	14.6



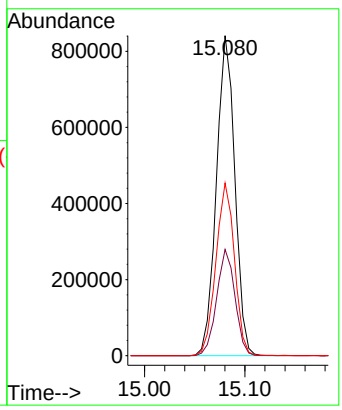


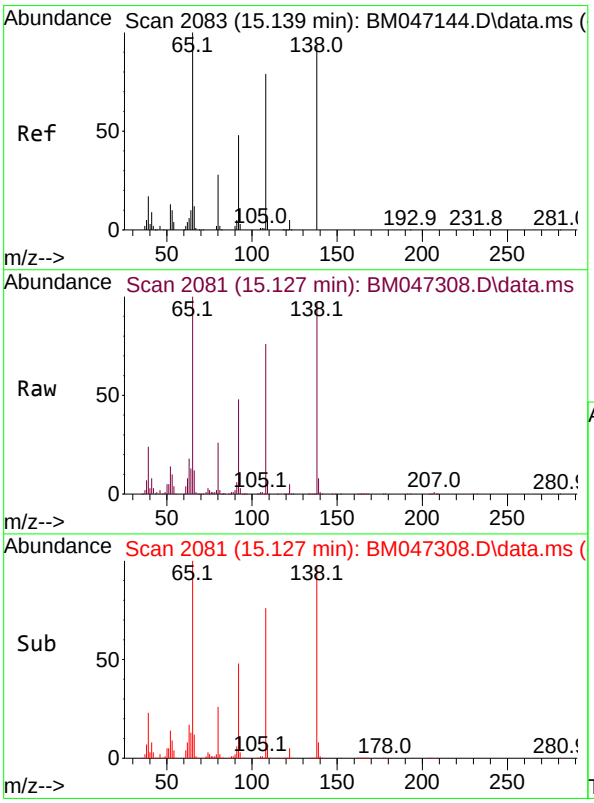
#61
4-Chlorophenyl-phenylether
Concen: 40.367 ng
RT: 15.080 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 1071908

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.2	39.4
141	54.0	47.2	70.8

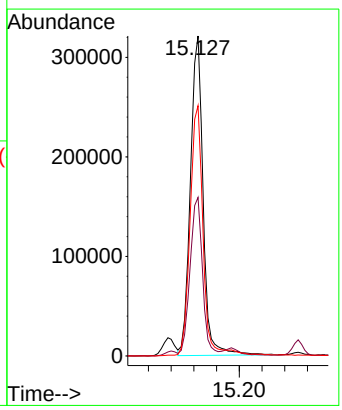


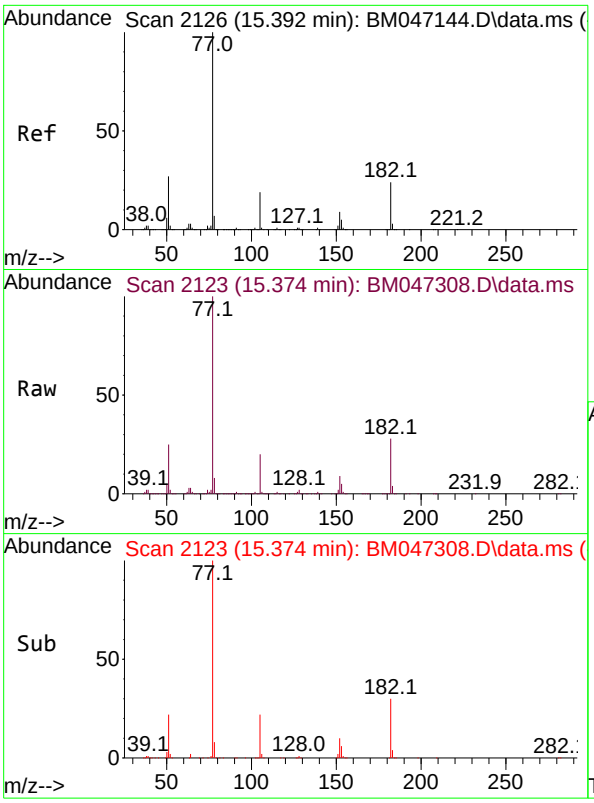


#62
4-Nitroaniline
Concen: 37.788 ng
RT: 15.127 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:138 Resp: 500966

Ion	Ratio	Lower	Upper
138	100		
92	49.6	31.9	71.9
108	78.2	63.8	103.8



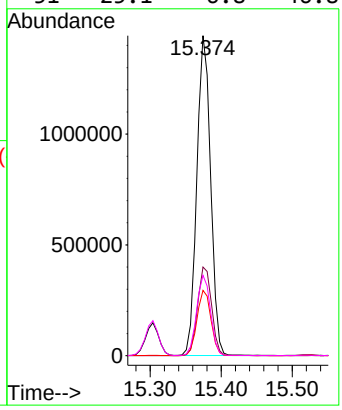


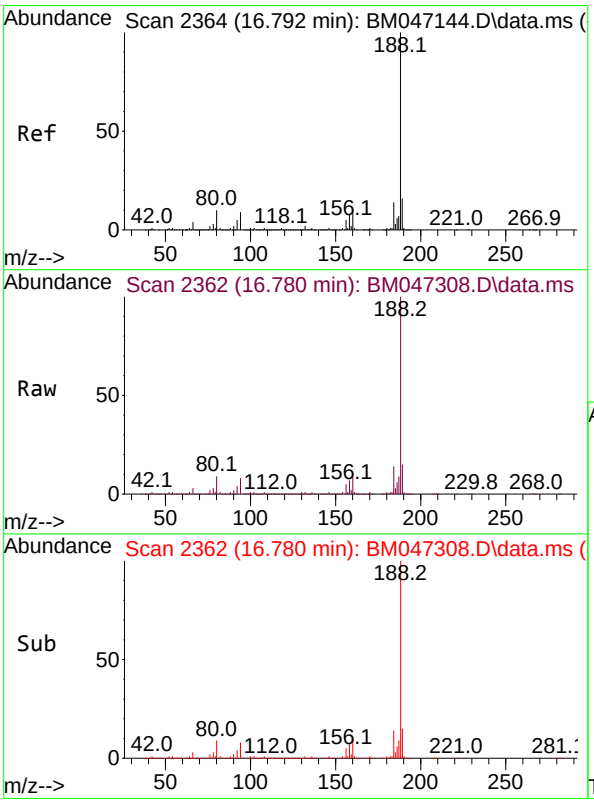
#63
Azobenzene
Concen: 35.112 ng
RT: 15.374 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1953128

Ion	Ratio	Lower	Upper
77	100		
182	27.7	3.8	43.8
105	20.4	0.0	39.5
51	25.1	6.8	46.8

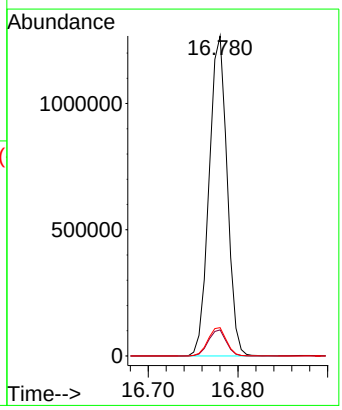


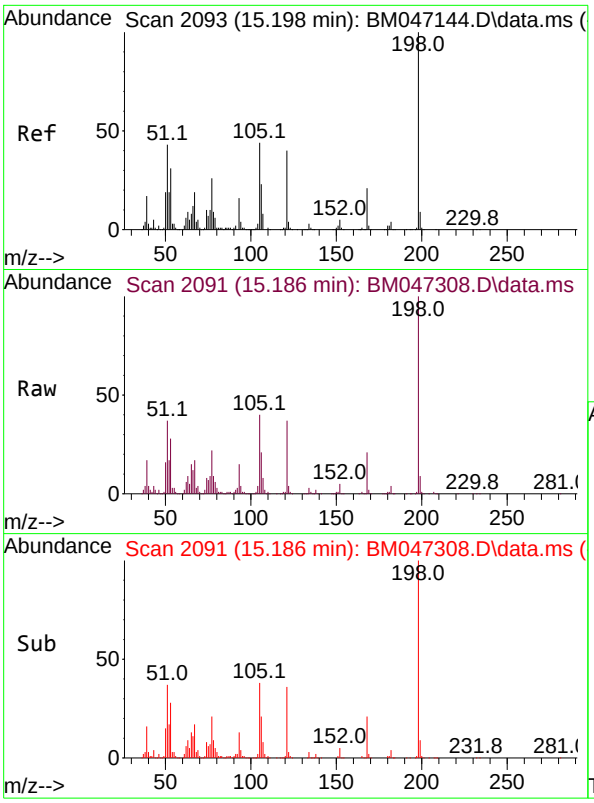


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 2362
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:188 Resp: 1768064

Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.0	10.6
80	8.8	8.0	12.0



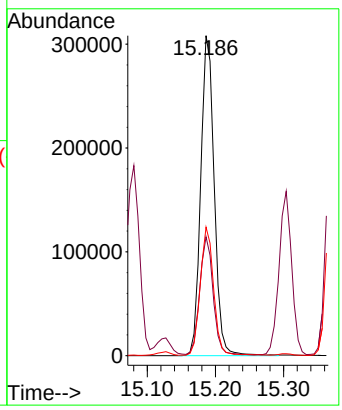


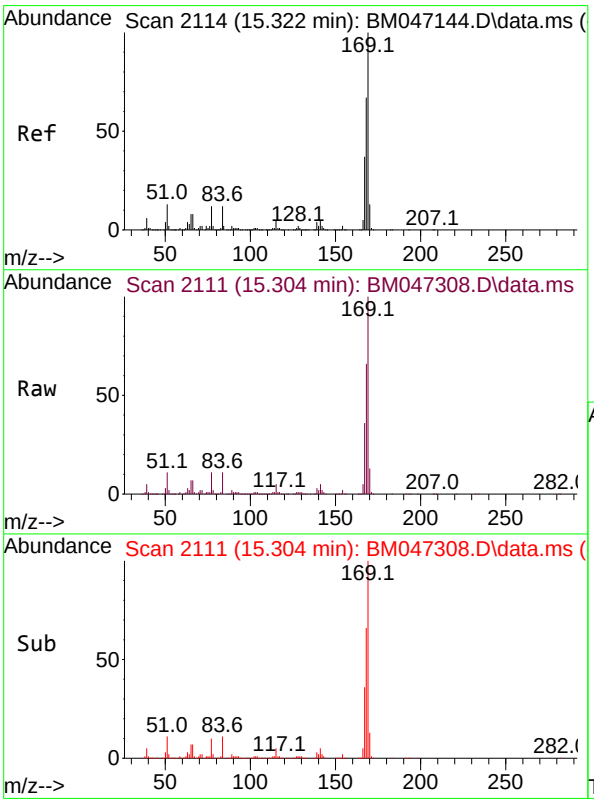
#65
4,6-Dinitro-2-methylphenol
Concen: 41.084 ng
RT: 15.186 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 425285

Ion	Ratio	Lower	Upper
198	100		
51	37.2	23.9	63.9
105	40.2	24.3	64.3

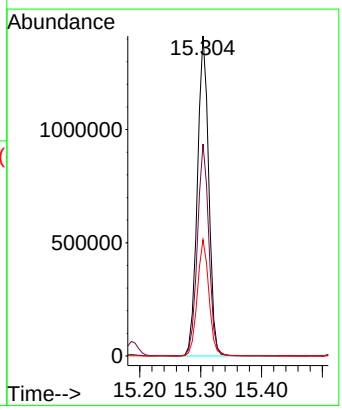


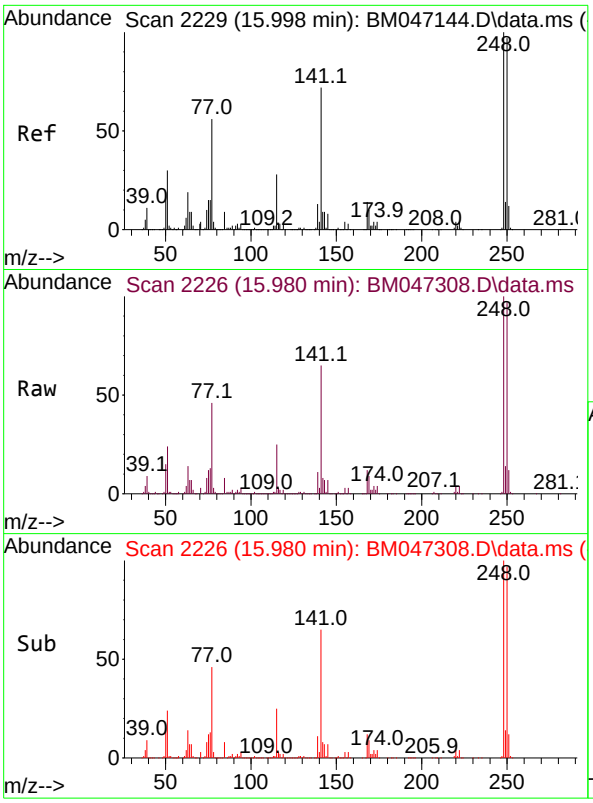


#66
n-Nitrosodiphenylamine
Concen: 38.026 ng
RT: 15.304 min Scan# 2111
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:169 Resp: 1831258

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.8	80.8
167	36.4	29.3	43.9



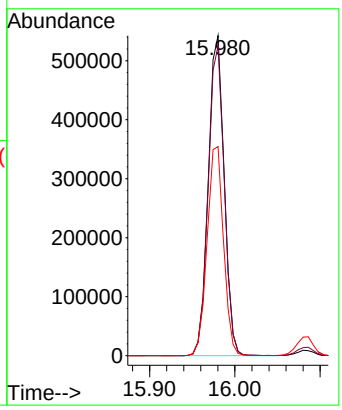


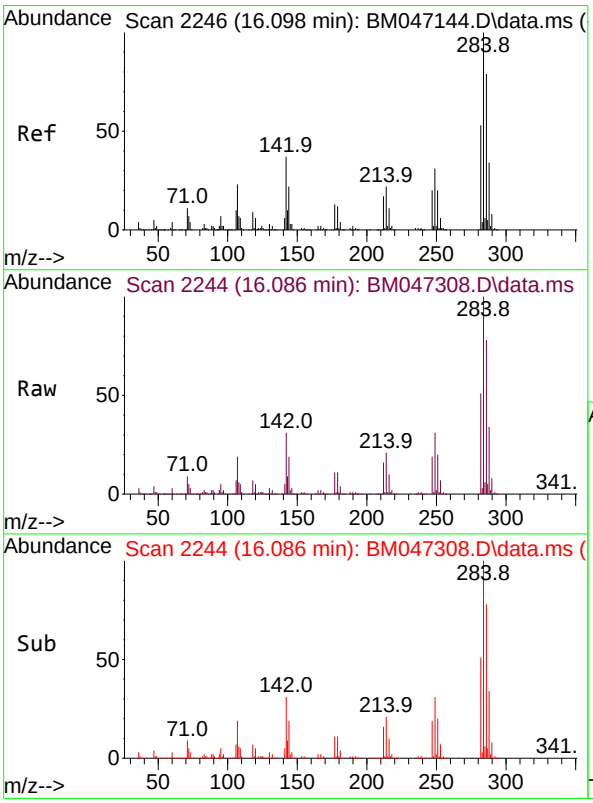
#67
4-Bromophenyl-phenylether
Concen: 41.431 ng
RT: 15.980 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 705879

Ion	Ratio	Lower	Upper
248	100		
250	96.8	77.8	116.8
141	65.3	57.7	86.5

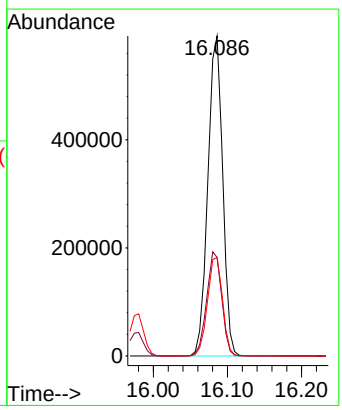


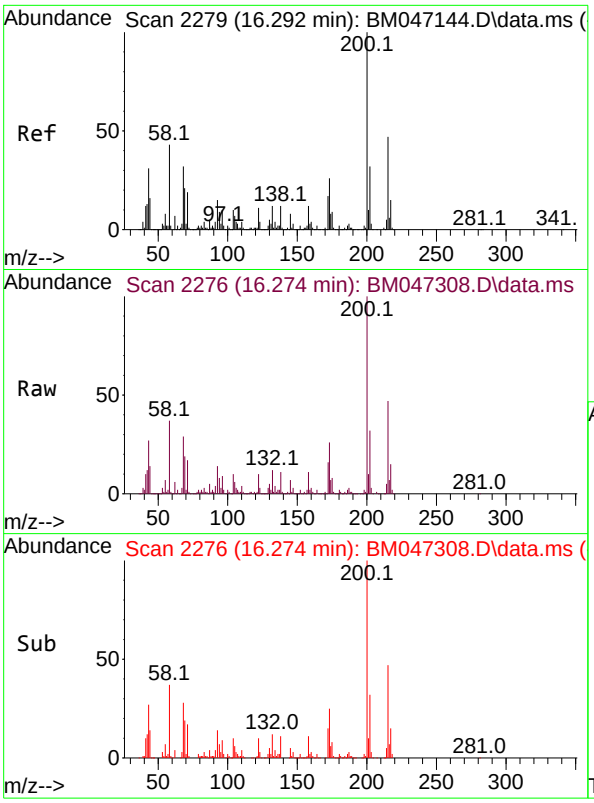


#68
Hexachlorobenzene
Concen: 40.254 ng
RT: 16.086 min Scan# 2244
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:284 Resp: 821372

Ion	Ratio	Lower	Upper
284	100		
142	30.8	29.4	44.0
249	30.8	25.1	37.7



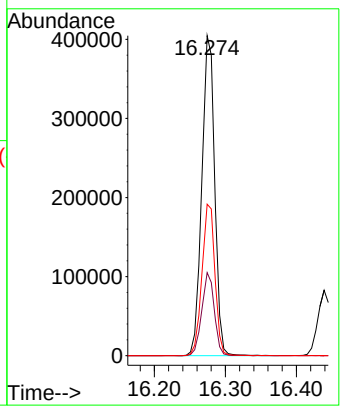


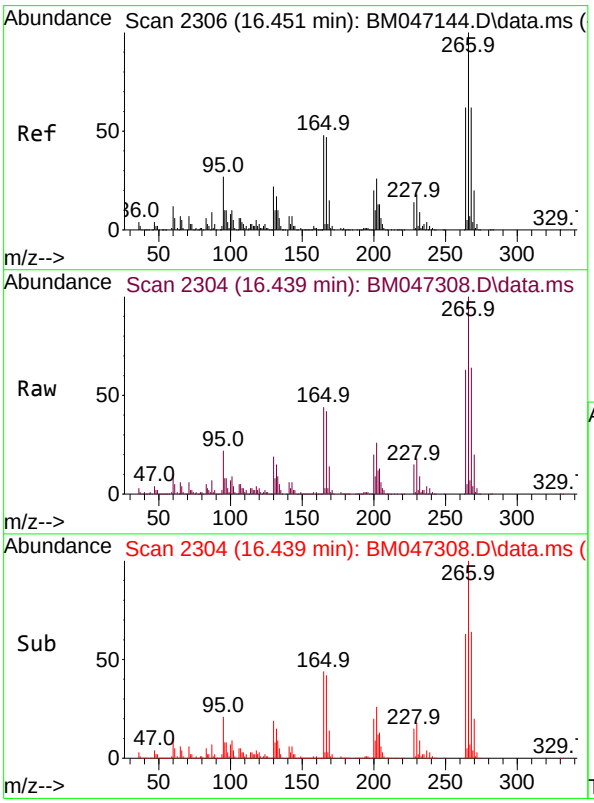
#69
Atrazine
Concen: 35.298 ng
RT: 16.274 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 511524

Ion	Ratio	Lower	Upper
200	100		
173	26.0	6.1	46.1
215	47.3	26.8	66.8

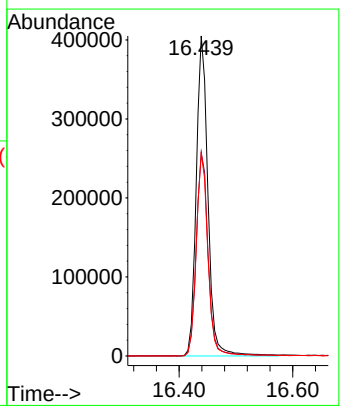


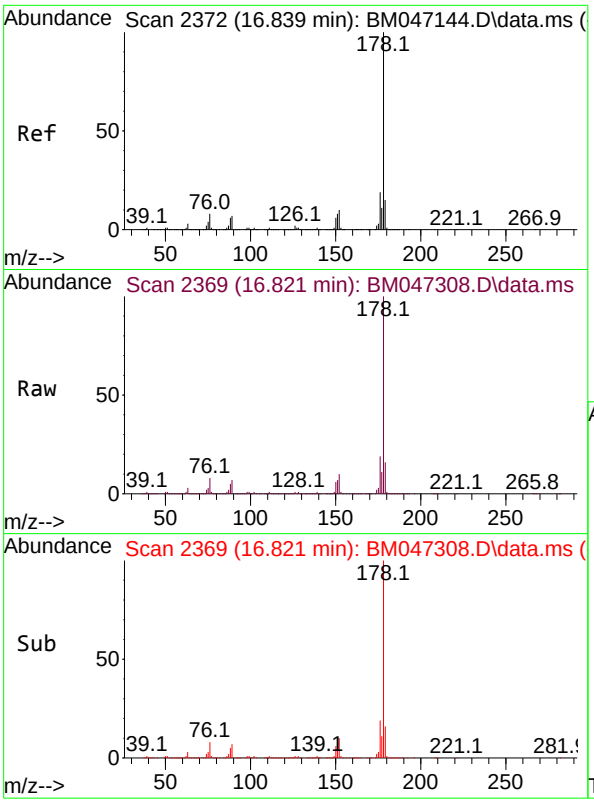


#70
Pentachlorophenol
Concen: 40.597 ng
RT: 16.439 min Scan# 2304
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:266 Resp: 580674

Ion	Ratio	Lower	Upper
266	100		
268	63.7	49.8	74.6
264	63.2	49.6	74.4



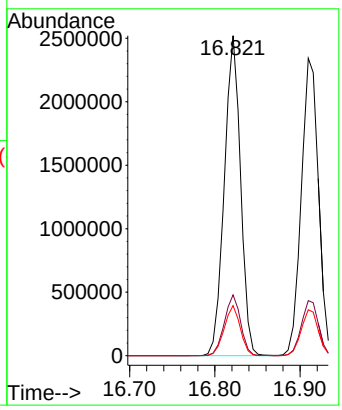


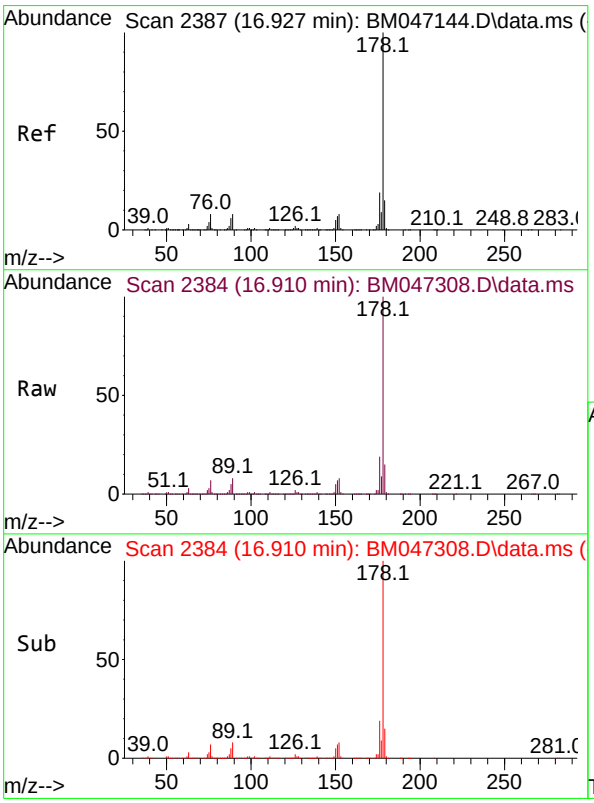
#71
Phenanthrene
Concen: 37.683 ng
RT: 16.821 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 3343698

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.6	12.4	18.6

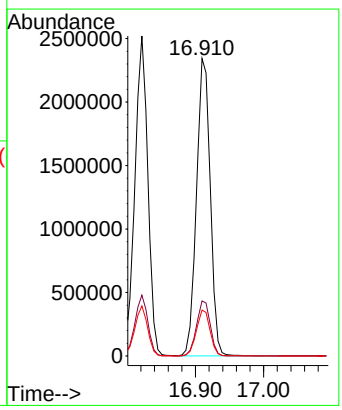


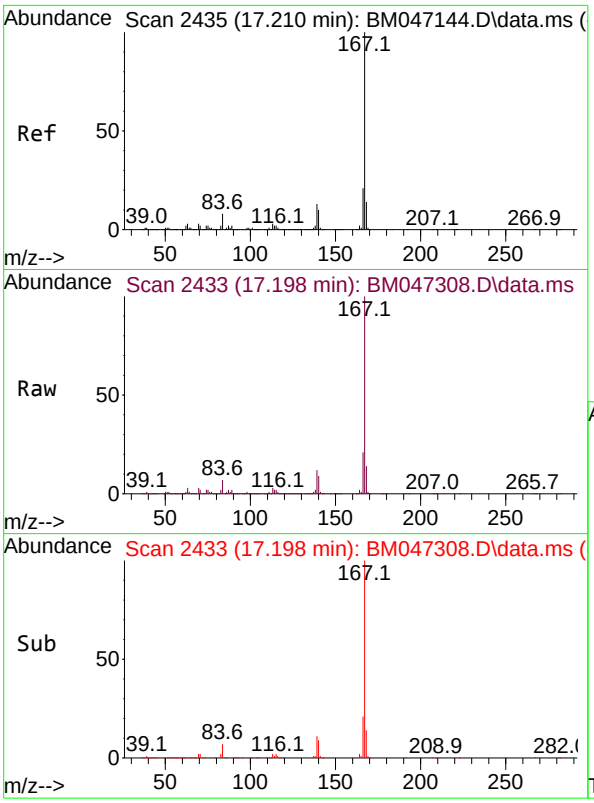


#72
Anthracene
Concen: 38.044 ng
RT: 16.910 min Scan# 2384
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:178 Resp: 3284636

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.5	12.4	18.6



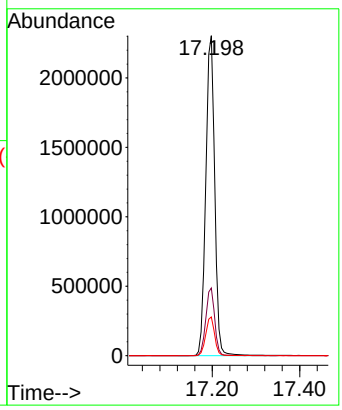


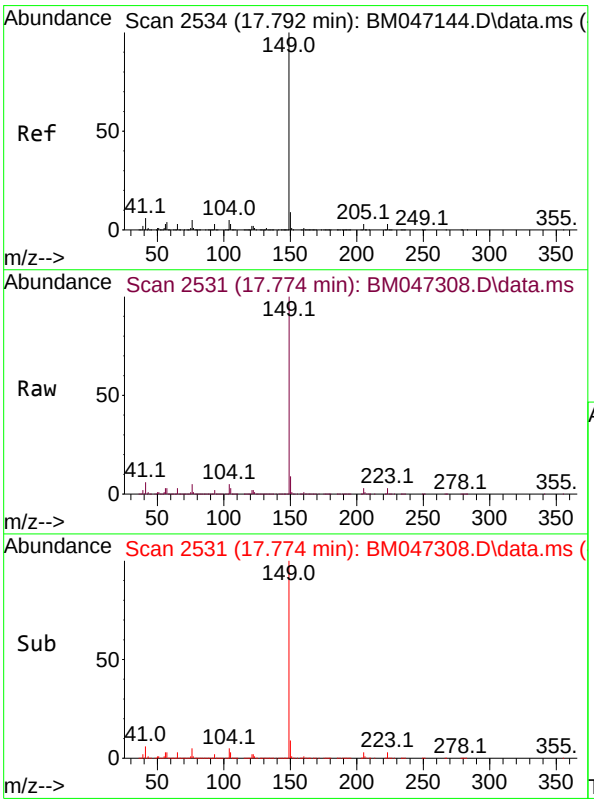
#73
Carbazole
Concen: 37.220 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 3281091

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.1	25.7
139	12.1	10.0	15.0

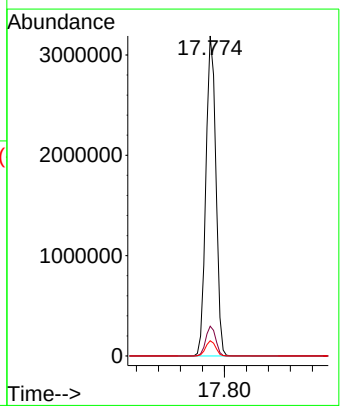


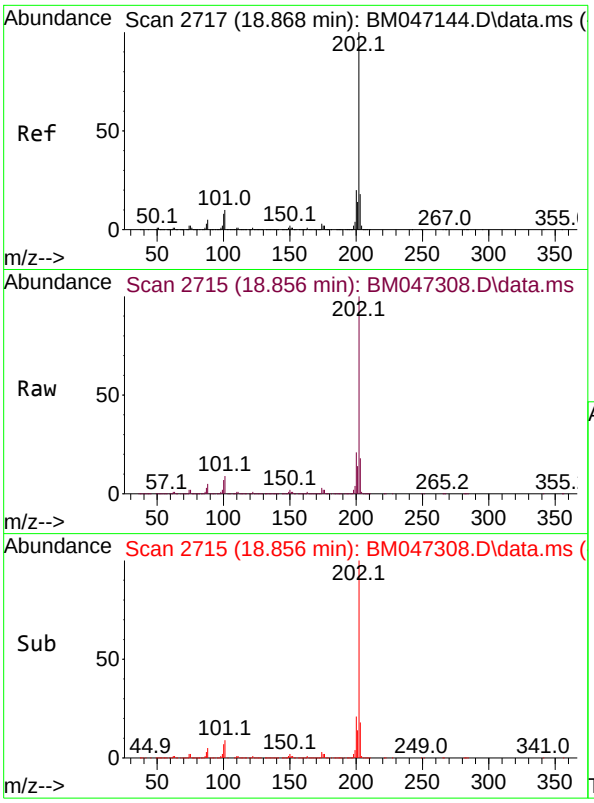


#74
Di-n-butylphthalate
Concen: 39.097 ng
RT: 17.774 min Scan# 2531
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:149 Resp: 4010258

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	4.7	4.1	6.1



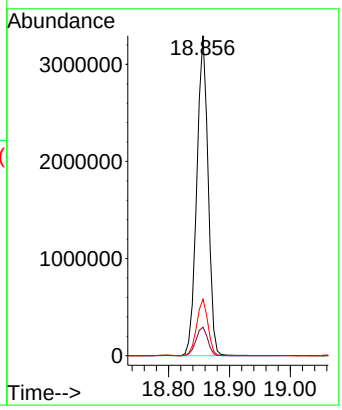


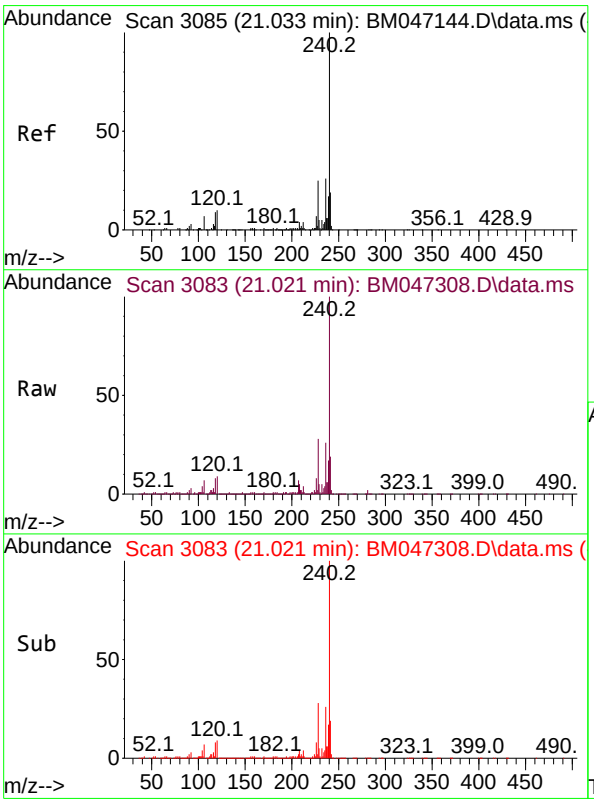
#75
Fluoranthene
Concen: 39.236 ng
RT: 18.856 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 4234649

Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	30.2
203	17.7	0.0	37.6

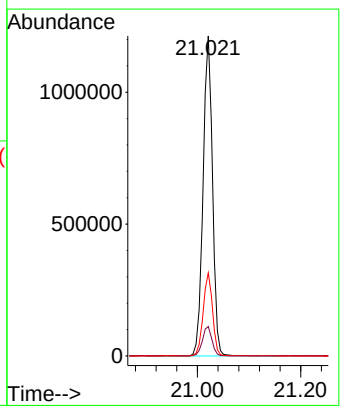


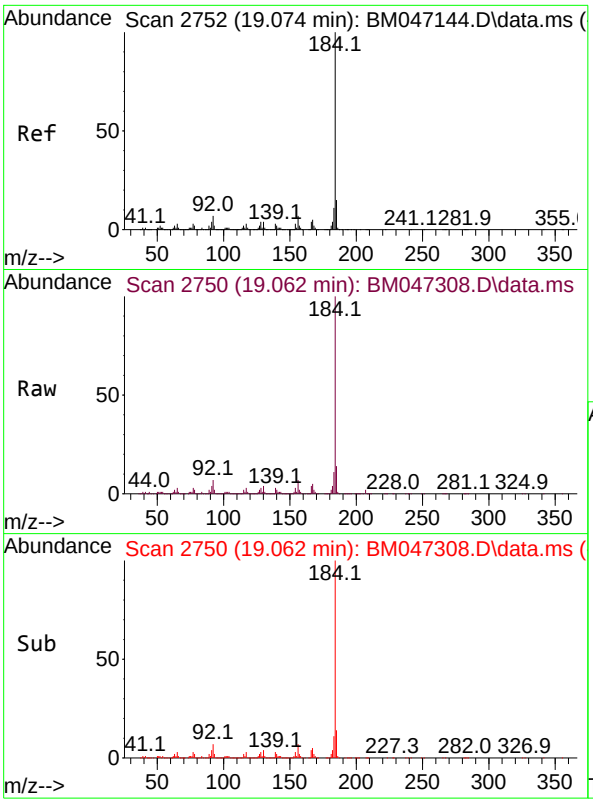


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:240 Resp: 1535454

Ion	Ratio	Lower	Upper
240	100		
120	9.2	8.2	12.2
236	25.9	20.6	30.8



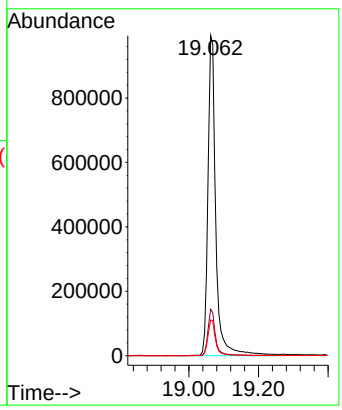


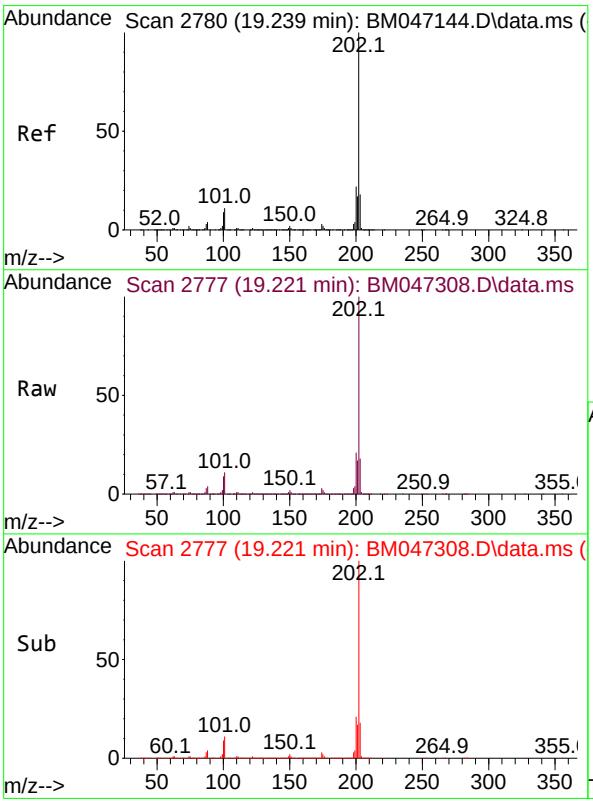
#77
Benzidine
Concen: 59.567 ng
RT: 19.062 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 1551050

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.8	17.6
183	11.2	9.0	13.6

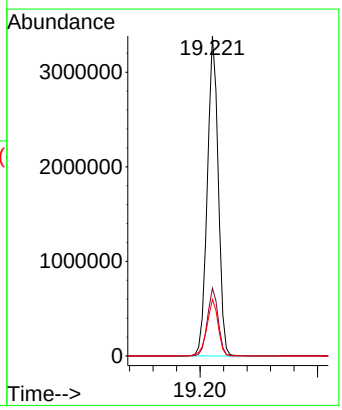


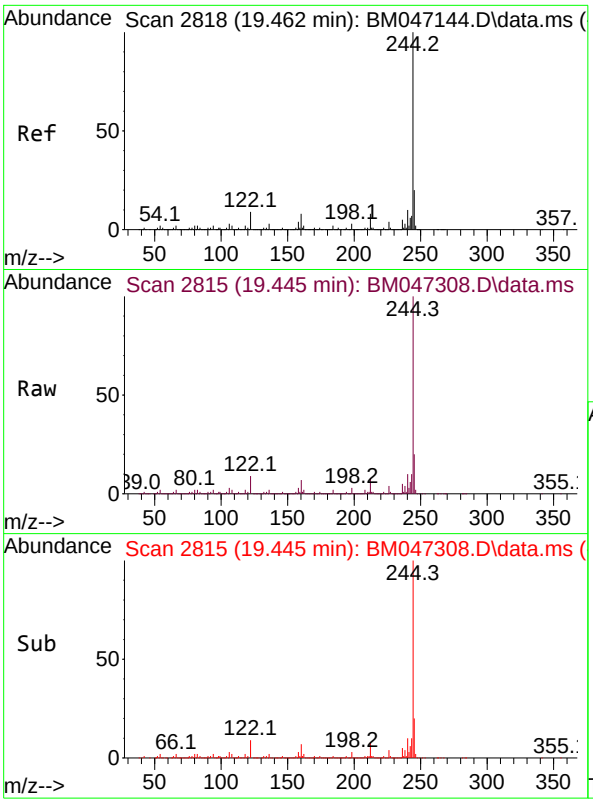


#78
Pyrene
Concen: 39.676 ng
RT: 19.221 min Scan# 2777
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:202 Resp: 4349870

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	17.7	14.2	21.2



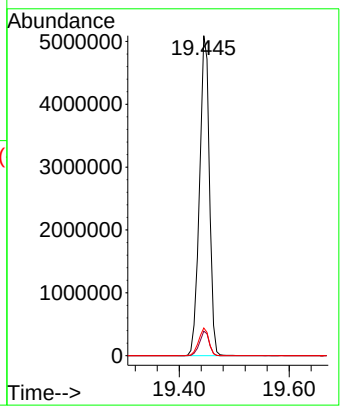


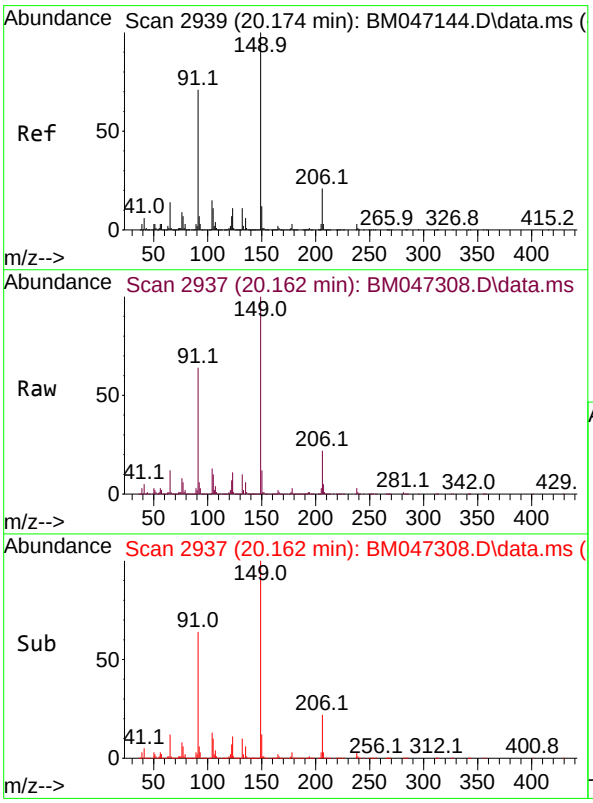
#79
Terphenyl-d14
Concen: 89.037 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 6380197

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.4
122	8.7	7.1	10.7

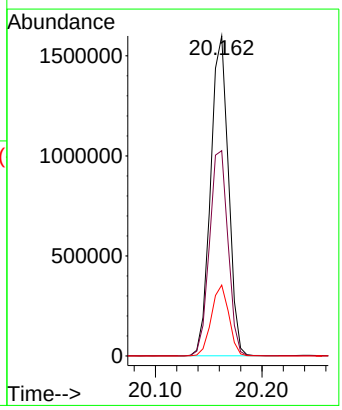


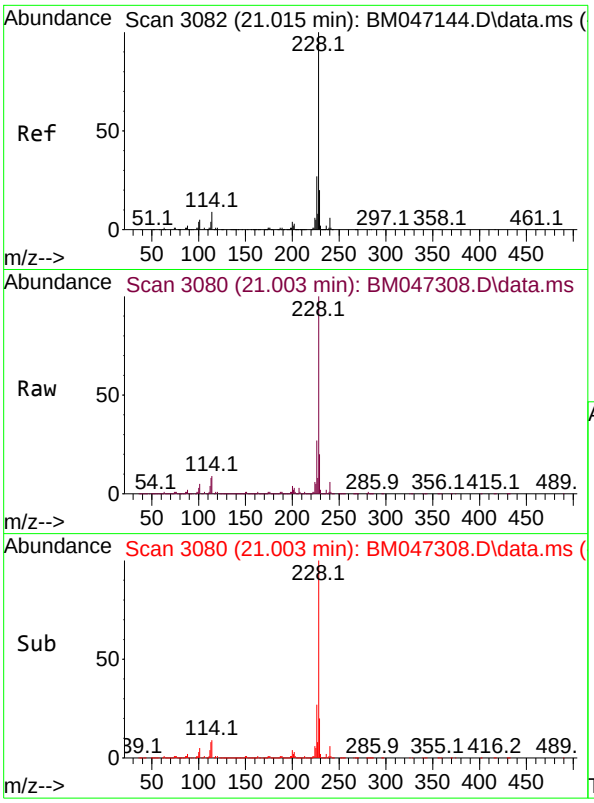


#80
Butylbenzylphthalate
Concen: 41.403 ng
RT: 20.162 min Scan# 2937
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:149 Resp: 1852458

Ion	Ratio	Lower	Upper
149	100		
91	64.1	57.0	85.4
206	22.2	16.4	24.6



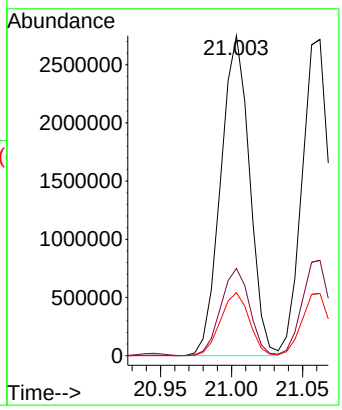


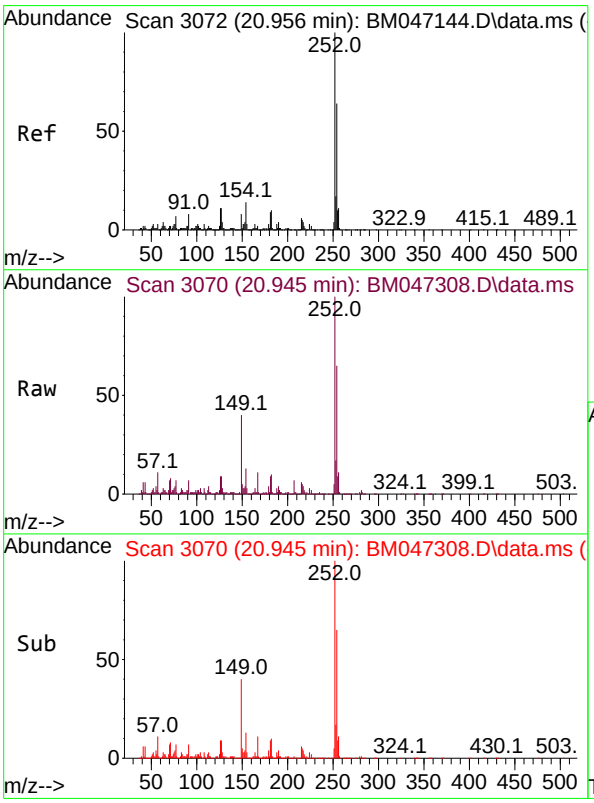
#81
Benzo(a)anthracene
Concen: 38.182 ng
RT: 21.003 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3891993

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.6
229	19.7	15.8	23.8

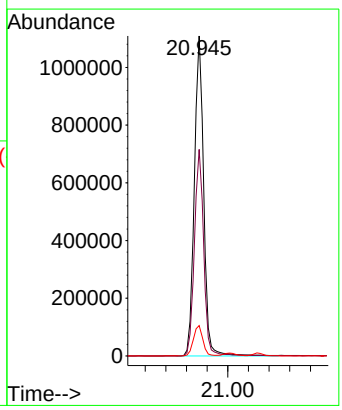


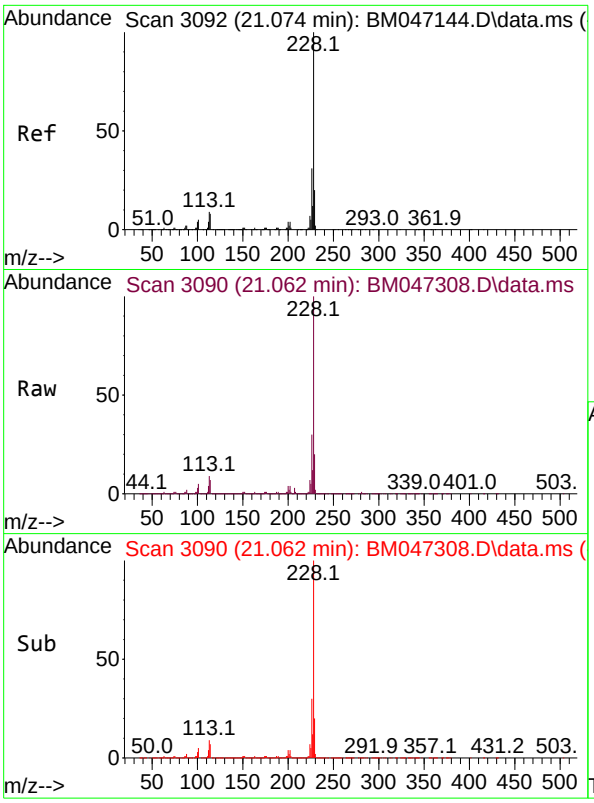


#82
3,3'-Dichlorobenzidine
Concen: 43.555 ng
RT: 20.945 min Scan# 3070
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:252 Resp: 1389102

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.0	76.6
126	9.5	8.5	12.7



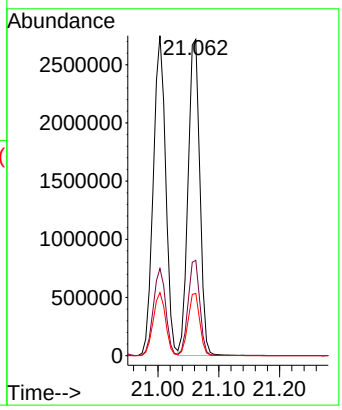


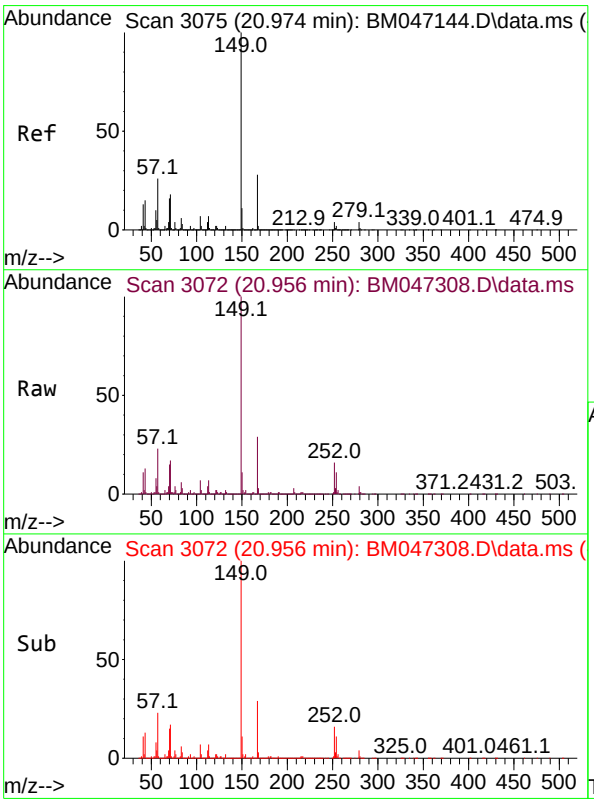
#83
Chrysene
Concen: 37.614 ng
RT: 21.062 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3637684

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.4	36.6
229	19.7	15.7	23.5

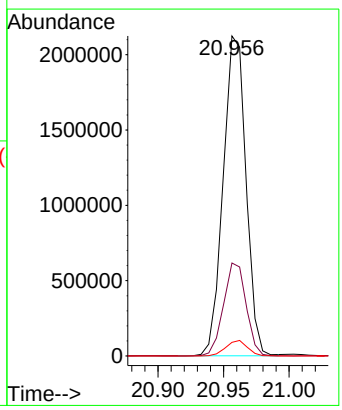


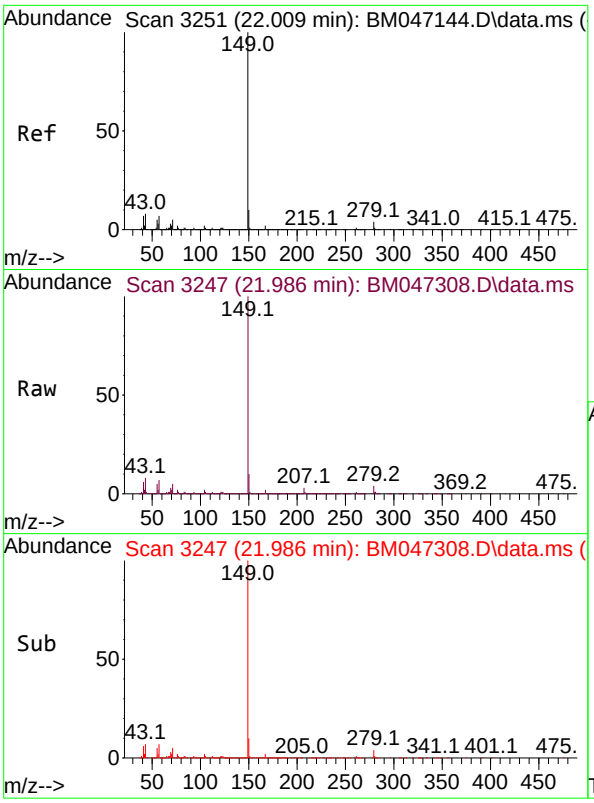


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.539 ng
RT: 20.956 min Scan# 3072
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:149 Resp: 2572281

Ion	Ratio	Lower	Upper
149	100		
167	29.0	22.2	33.2
279	4.3	3.0	4.4



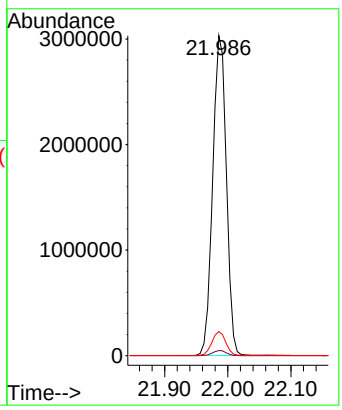


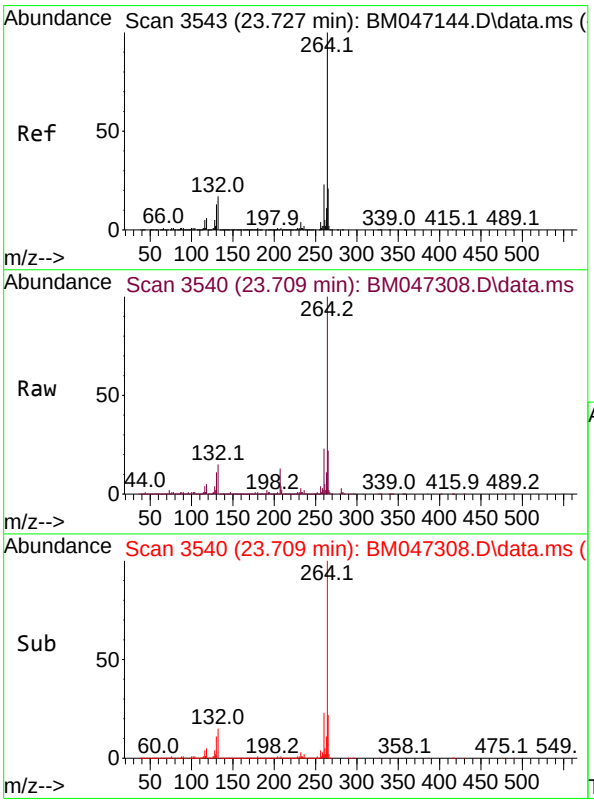
#85
Di-n-octyl phthalate
Concen: 42.173 ng
RT: 21.986 min Scan# 3
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 4548357

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.6	6.9	10.3

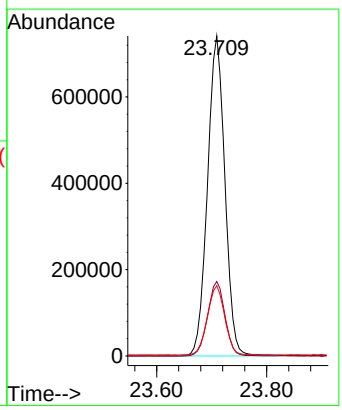


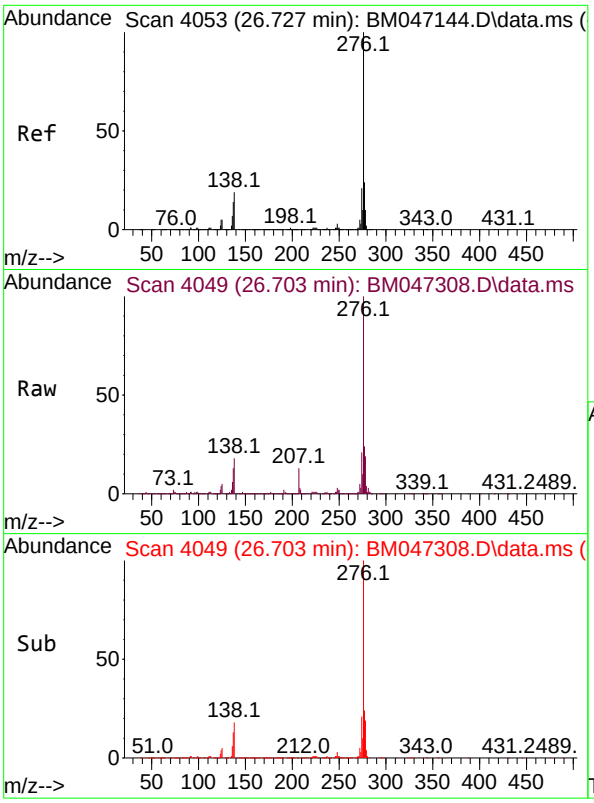


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.709 min Scan# 3540
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:264 Resp: 1629252

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	21.9	17.3	25.9



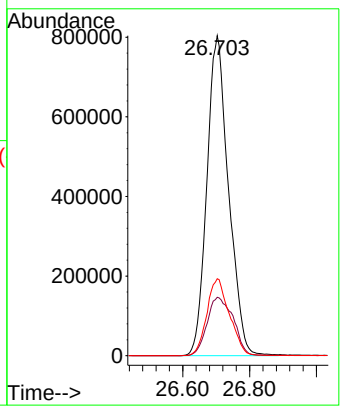


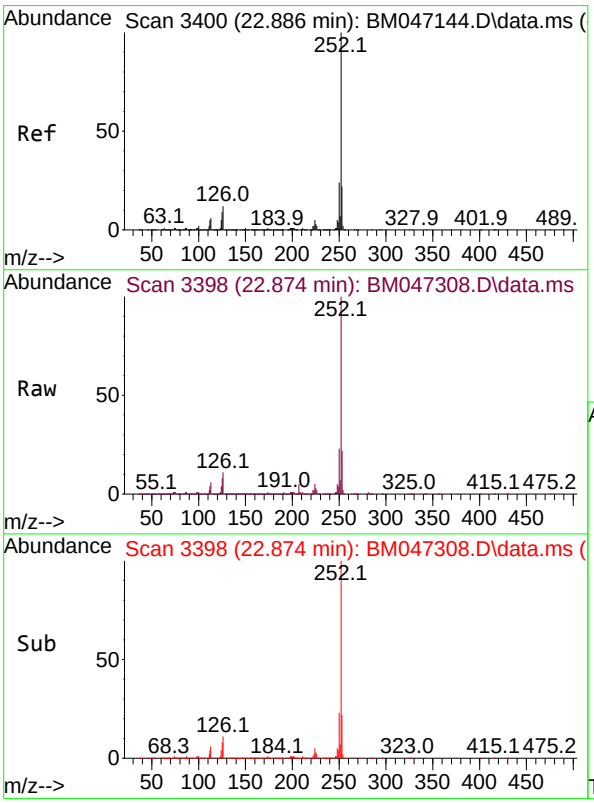
#87
Indeno(1,2,3-cd)pyrene
Concen: 34.449 ng
RT: 26.703 min Scan# 4
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 3627893

Ion	Ratio	Lower	Upper
276	100		
138	22.1	19.4	29.0
277	25.0	20.1	30.1

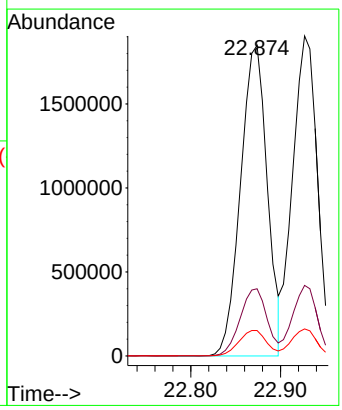


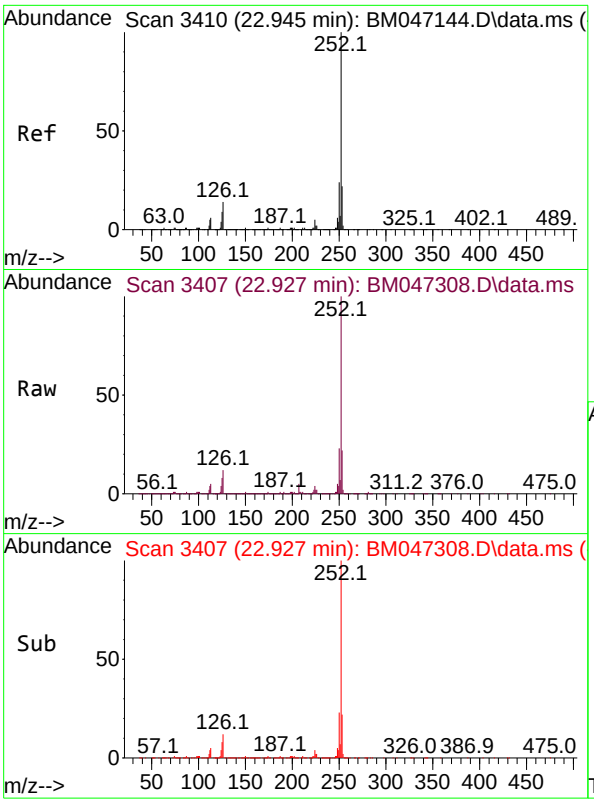


#88
Benzo(b)fluoranthene
Concen: 39.544 ng
RT: 22.874 min Scan# 3398
Delta R.T. -0.012 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:252 Resp: 3826072

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	8.2	7.4	11.0



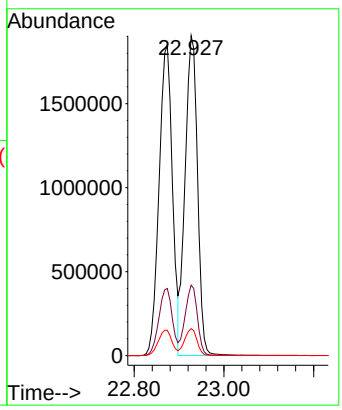


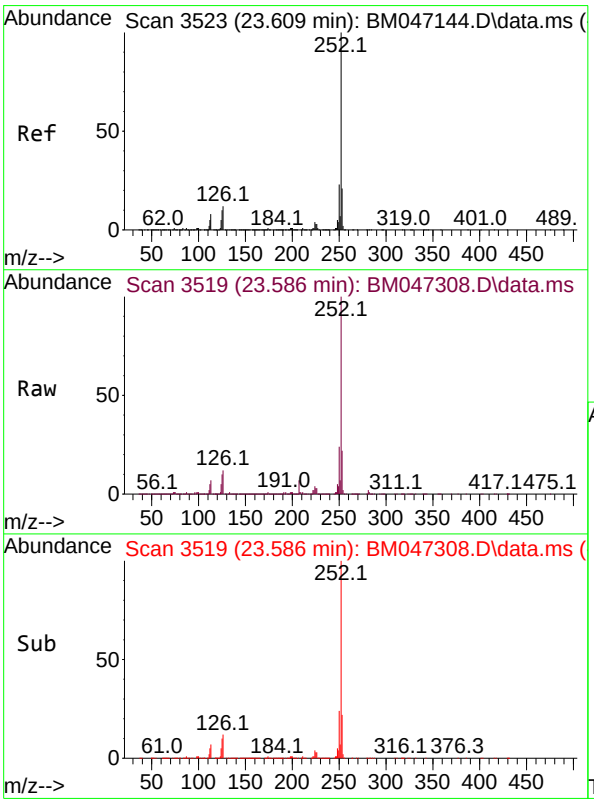
#89
Benzo(k)fluoranthene
Concen: 40.018 ng
RT: 22.927 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 3657262

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	8.4	7.4	11.2

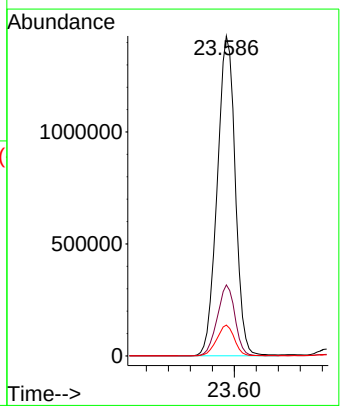


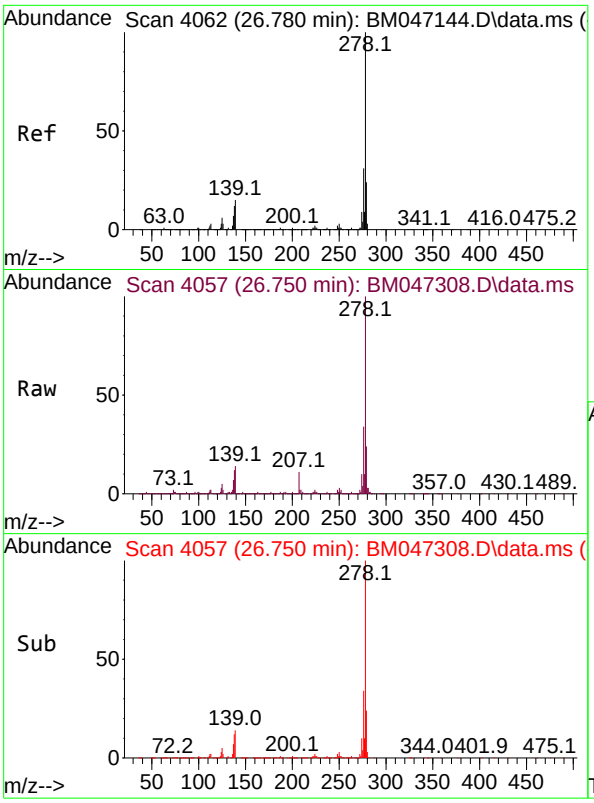


#90
Benzo(a)pyrene
Concen: 38.781 ng
RT: 23.586 min Scan# 3519
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:252 Resp: 3250485

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	9.6	8.2	12.2



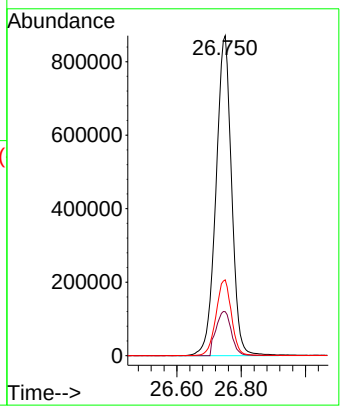


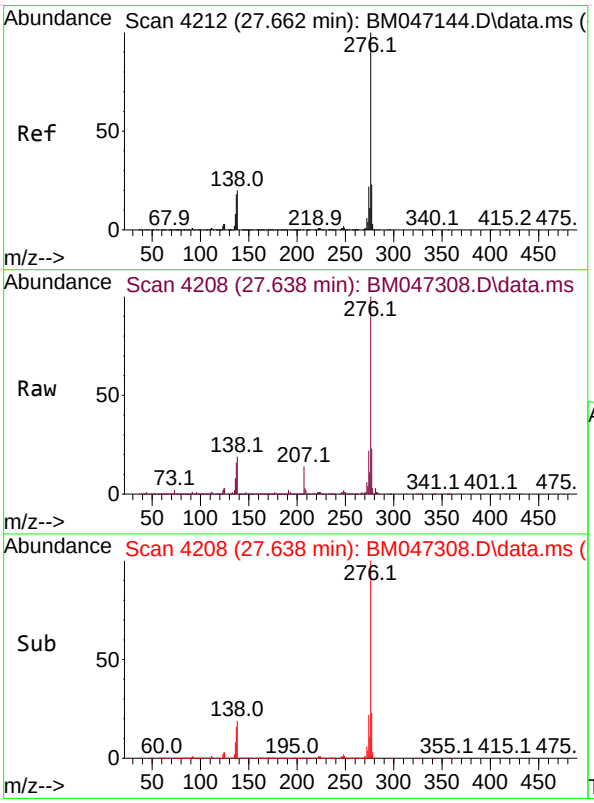
#91
Dibenzo(a,h)anthracene
Concen: 34.436 ng
RT: 26.750 min Scan# 4
Delta R.T. -0.030 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 2934810

Ion	Ratio	Lower	Upper
278	100		
139	13.8	12.0	18.0
279	23.7	19.2	28.8

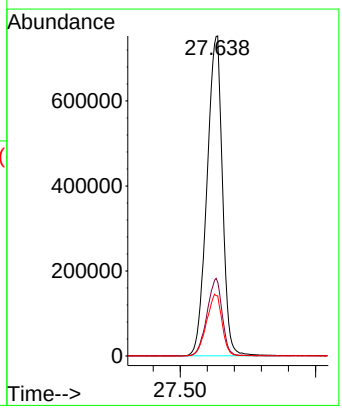




#92
Benzo(g,h,i)perylene
Concen: 33.711 ng
RT: 27.638 min Scan# 4208
Delta R.T. -0.024 min
Lab File: BM047308.D
Acq: 22 Aug 2024 09:14

Tgt Ion:276 Resp: 2982909

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.8	28.2
138	18.8	16.2	24.4



Sample Results: **BM047308.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047308.D
Acq On : 22 Aug 2024 09:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 10:59:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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	92	-0.02
2		1,4-Dioxane	0.464	0.417	10.1	87	0.00
3		Pyridine	1.360	1.164	14.4	82	-0.01
4		n-Nitrosodimethylamine	0.594	0.486	18.2	78	0.00
5	S	2-Fluorophenol	1.119	1.034	7.6	89	-0.01
6		Aniline	1.458	1.284	11.9	83	-0.02
7	S	Phenol-d6	1.542	1.396	9.5	87	-0.02
8		2-Chlorophenol	1.221	1.134	7.1	88	-0.02
9		Benzaldehyde	0.904	0.830	8.2	98	-0.02
10	C	Phenol	1.539	1.369	11.0	87	-0.02
11		bis(2-Chloroethyl)ether	1.318	1.178	10.6	84	-0.02
12		1,3-Dichlorobenzene	1.451	1.394	3.9	91	-0.02
13	C	1,4-Dichlorobenzene	1.469	1.405	4.4	90	-0.02
14		1,2-Dichlorobenzene	1.386	1.309	5.6	92	-0.02
15		Benzyl Alcohol	1.098	0.982	10.6	82	-0.02
16		2,2'-oxybis(1-Chloropropane	1.691	1.396	17.4	77	-0.02
17		2-Methylphenol	1.027	0.949	7.6	87	-0.02
18		Hexachloroethane	0.569	0.525	7.7	88	-0.02
19	P	n-Nitroso-di-n-propylamine	1.039	0.891	14.2	83	-0.02
20		3+4-Methylphenols	1.435	1.298	9.5	84	-0.02
21	I	Naphthalene-d8	1.000	1.000	0.0	87	-0.02
22		Acetophenone	0.483	0.452	6.4	85	-0.02
23	S	Nitrobenzene-d5	0.397	0.355	10.6	80	-0.02
24		Nitrobenzene	0.400	0.365	8.8	81	-0.02
25		Isophorone	0.692	0.657	5.1	83	-0.02
26	C	2-Nitrophenol	0.177	0.185	-4.5	89	-0.02
27		2,4-Dimethylphenol	0.207	0.205	1.0	86	-0.02
28		bis(2-Chloroethoxy)methane	0.435	0.410	5.7	82	-0.02
29	C	2,4-Dichlorophenol	0.308	0.323	-4.9	90	-0.02
30		1,2,4-Trichlorobenzene	0.348	0.364	-4.6	92	-0.02
31		Naphthalene	0.996	0.950	4.6	86	-0.02
32		Benzoic acid	0.241	0.249	-3.3	87	-0.01
33		4-Chloroaniline	0.383	0.361	5.7	82	-0.02
34	C	Hexachlorobutadiene	0.204	0.229	-12.3	99	-0.03
35		Caprolactam	0.107	0.107	0.0	86	-0.02
36	C	4-Chloro-3-methylphenol	0.328	0.324	1.2	86	-0.01
37		2-Methylnaphthalene	0.709	0.696	1.8	88	-0.02
38		1-Methylnaphthalene	0.701	0.678	3.3	87	-0.02
39	I	Acenaphthene-d10	1.000	1.000	0.0	90	-0.02
40		1,2,4,5-Tetrachlorobenzene	0.546	0.582	-6.6	96	-0.02
41	P	Hexachlorocyclopentadiene	0.190	0.173	8.9	78	-0.02
42	S	2,4,6-Tribromophenol	0.232	0.243	-4.7	94	-0.01
43	C	2,4,6-Trichlorophenol	0.388	0.405	-4.4	91	-0.02
44		2,4,5-Trichlorophenol	0.430	0.449	-4.4	92	-0.01
45	S	2-Fluorobiphenyl	1.297	1.252	3.5	89	-0.02
46		1,1'-Biphenyl	1.424	1.349	5.3	87	-0.02
47		2-Chloronaphthalene	1.113	1.054	5.3	88	-0.02

Sample Results: **BM047308.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047308.D
Acq On : 22 Aug 2024 09:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 10:59:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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)
48		2-Nitroaniline	0.349	0.316	9.5	80	-0.02
49		Acenaphthylene	1.640	1.557	5.1	87	-0.02
50		Dimethylphthalate	1.397	1.357	2.9	88	-0.02
51		2,6-Dinitrotoluene	0.327	0.326	0.3	89	-0.01
52	C	Acenaphthene	1.041	0.985	5.4	88	-0.02
53		3-Nitroaniline	0.327	0.311	4.9	84	-0.02
54	P	2,4-Dinitrophenol	0.196	0.184	6.1	81	0.00
55		Dibenzofuran	1.644	1.575	4.2	90	-0.02
56	P	4-Nitrophenol	0.282	0.253	10.3	77	0.00
57		2,4-Dinitrotoluene	0.436	0.431	1.1	88	-0.01
58		Fluorene	1.356	1.297	4.4	89	-0.02
59		2,3,4,6-Tetrachlorophenol	0.354	0.370	-4.5	94	-0.01
60		Diethylphthalate	1.426	1.360	4.6	87	-0.02
61		4-Chlorophenyl-phenylether	0.646	0.652	-0.9	94	-0.02
62		4-Nitroaniline	0.322	0.305	5.3	86	-0.01
63		Azobenzene	1.352	1.187	12.2	81	-0.02
64	I	Phenanthrene-d10	1.000	1.000	0.0	93	-0.01
65		4,6-Dinitro-2-methylphenol	0.117	0.120	-2.6	89	-0.01
66	c	n-Nitrosodiphenylamine	0.545	0.518	5.0	90	-0.02
67		4-Bromophenyl-phenylether	0.193	0.200	-3.6	97	-0.02
68		Hexachlorobenzene	0.231	0.232	-0.4	94	-0.01
69		Atrazine	0.164	0.145	11.6	79	-0.02
70	C	Pentachlorophenol	0.162	0.164	-1.2	91	-0.01
71		Phenanthrene	1.004	0.946	5.8	90	-0.02
72		Anthracene	0.977	0.929	4.9	91	-0.02
73		Carbazole	0.997	0.928	6.9	89	-0.01
74		Di-n-butylphthalate	1.160	1.134	2.2	91	-0.02
75	C	Fluoranthene	1.221	1.198	1.9	93	-0.01
76	I	Chrysene-d12	1.000	1.000	0.0	92	-0.01
77		Benzidine	0.339	0.505	-49.0#	95	-0.01
78		Pyrene	1.428	1.416	0.8	91	-0.02
79	S	Terphenyl-d14	0.933	1.039	-11.4	102	-0.02
80		Butylbenzylphthalate	0.583	0.603	-3.4	91	-0.01
81		Benzo(a)anthracene	1.328	1.267	4.6	89	-0.01
82		3,3'-Dichlorobenzidine	0.415	0.452	-8.9	94	-0.01
83		Chrysene	1.260	1.185	6.0	89	-0.01
84		Bis(2-ethylhexyl)phthalate	0.826	0.838	-1.5	91	-0.02
85	c	Di-n-octyl phthalate	1.405	1.481	-5.4	93	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	81	-0.02
87		Indeno(1,2,3-cd)pyrene	1.293	1.113	13.9	70	-0.02
88		Benzo(b)fluoranthene	1.188	1.174	1.2	82	-0.01
89		Benzo(k)fluoranthene	1.122	1.122	0.0	83	-0.02
90	C	Benzo(a)pyrene	1.029	0.998	3.0	79	-0.02
91		Dibenzo(a,h)anthracene	1.046	0.901	13.9	71	-0.03
92		Benzo(g,h,i)perylene	1.086	0.915	15.7	69	-0.02

Sample Results: **BM047308.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047308.D
Acq On : 22 Aug 2024 09:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 10:59:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BM047308.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047308.D
Acq On : 22 Aug 2024 09:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 10:59:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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	20.000	20.000	0.0	92	-0.02
2		1,4-Dioxane	40.000	35.998	10.0	87	0.00
3		Pyridine	40.000	34.243	14.4	82	-0.01
4		n-Nitrosodimethylamine	40.000	32.708	18.2	78	0.00
5	S	2-Fluorophenol	80.000	73.882	7.6	89	-0.01
6		Aniline	40.000	35.238	11.9	83	-0.02
7	S	Phenol-d6	80.000	72.430	9.5	87	-0.02
8		2-Chlorophenol	40.000	37.141	7.1	88	-0.02
9		Benzaldehyde	40.000	41.837	-4.6	98	-0.02
10	C	Phenol	40.000	35.576	11.1	87	-0.02
11		bis(2-Chloroethyl)ether	40.000	35.752	10.6	84	-0.02
12		1,3-Dichlorobenzene	40.000	38.433	3.9	91	-0.02
13	C	1,4-Dichlorobenzene	40.000	38.275	4.3	90	-0.02
14		1,2-Dichlorobenzene	40.000	37.796	5.5	92	-0.02
15		Benzyl Alcohol	40.000	35.771	10.6	82	-0.02
16		2,2'-oxybis(1-Chloropropane	40.000	33.012	17.5	77	-0.02
17		2-Methylphenol	40.000	36.976	7.6	87	-0.02
18		Hexachloroethane	40.000	36.929	7.7	88	-0.02
19	P	n-Nitroso-di-n-propylamine	40.000	34.301	14.2	83	-0.02
20		3+4-Methylphenols	40.000	36.179	9.6	84	-0.02
21	I	Naphthalene-d8	20.000	20.000	0.0	87	-0.02
22		Acetophenone	40.000	37.424	6.4	85	-0.02
23	S	Nitrobenzene-d5	80.000	71.513	10.6	80	-0.02
24		Nitrobenzene	40.000	36.519	8.7	81	-0.02
25		Isophorone	40.000	37.971	5.1	83	-0.02
26	C	2-Nitrophenol	40.000	41.863	-4.7	89	-0.02
27		2,4-Dimethylphenol	40.000	39.527	1.2	86	-0.02
28		bis(2-Chloroethoxy)methane	40.000	37.664	5.8	82	-0.02
29	C	2,4-Dichlorophenol	40.000	41.938	-4.8	90	-0.02
30		1,2,4-Trichlorobenzene	40.000	41.742	-4.4	92	-0.02
31		Naphthalene	40.000	38.156	4.6	86	-0.02
32		Benzoic acid	40.000	41.350	-3.4	87	-0.01
33		4-Chloroaniline	40.000	37.641	5.9	82	-0.02
34	C	Hexachlorobutadiene	40.000	44.840	-12.1	99	-0.03
35		Caprolactam	40.000	40.031	-0.1	86	-0.02
36	C	4-Chloro-3-methylphenol	40.000	39.548	1.1	86	-0.01
37		2-Methylnaphthalene	40.000	39.270	1.8	88	-0.02
38		1-Methylnaphthalene	40.000	38.700	3.2	87	-0.02
39	I	Acenaphthene-d10	20.000	20.000	0.0	90	-0.02
40		1,2,4,5-Tetrachlorobenzene	40.000	42.662	-6.7	96	-0.02
41	P	Hexachlorocyclopentadiene	40.000	36.329	9.2	78	-0.02
42	S	2,4,6-Tribromophenol	80.000	83.918	-4.9	94	-0.01
43	C	2,4,6-Trichlorophenol	40.000	41.744	-4.4	91	-0.02
44		2,4,5-Trichlorophenol	40.000	41.695	-4.2	92	-0.01
45	S	2-Fluorobiphenyl	80.000	77.269	3.4	89	-0.02
46		1,1'-Biphenyl	40.000	37.912	5.2	87	-0.02
47		2-Chloronaphthalene	40.000	37.879	5.3	88	-0.02

Sample Results: **BM047308.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047308.D
Acq On : 22 Aug 2024 09:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 10:59:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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)
48		2-Nitroaniline	40.000	36.219	9.5	80	-0.02
49		Acenaphthylene	40.000	37.959	5.1	87	-0.02
50		Dimethylphthalate	40.000	38.861	2.8	88	-0.02
51		2,6-Dinitrotoluene	40.000	39.978	0.1	89	-0.01
52	C	Acenaphthene	40.000	37.872	5.3	88	-0.02
53		3-Nitroaniline	40.000	37.966	5.1	84	-0.02
54	P	2,4-Dinitrophenol	40.000	37.702	5.7	81	0.00
55		Dibenzofuran	40.000	38.323	4.2	90	-0.02
56	P	4-Nitrophenol	40.000	35.815	10.5	77	0.00
57		2,4-Dinitrotoluene	40.000	39.529	1.2	88	-0.01
58		Fluorene	40.000	38.248	4.4	89	-0.02
59		2,3,4,6-Tetrachlorophenol	40.000	41.872	-4.7	94	-0.01
60		Diethylphthalate	40.000	38.138	4.7	87	-0.02
61		4-Chlorophenyl-phenylether	40.000	40.367	-0.9	94	-0.02
62		4-Nitroaniline	40.000	37.788	5.5	86	-0.01
63		Azobenzene	40.000	35.112	12.2	81	-0.02
64	I	Phenanthrene-d10	20.000	20.000	0.0	93	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	41.084	-2.7	89	-0.01
66	c	n-Nitrosodiphenylamine	40.000	38.026	4.9	90	-0.02
67		4-Bromophenyl-phenylether	40.000	41.431	-3.6	97	-0.02
68		Hexachlorobenzene	40.000	40.254	-0.6	94	-0.01
69		Atrazine	40.000	35.298	11.8	79	-0.02
70	C	Pentachlorophenol	40.000	40.597	-1.5	91	-0.01
71		Phenanthrene	40.000	37.683	5.8	90	-0.02
72		Anthracene	40.000	38.044	4.9	91	-0.02
73		Carbazole	40.000	37.220	7.0	89	-0.01
74		Di-n-butylphthalate	40.000	39.097	2.3	91	-0.02
75	C	Fluoranthene	40.000	39.236	1.9	93	-0.01
76	I	Chrysene-d12	20.000	20.000	0.0	92	-0.01
77		Benzidine	40.000	59.567	-48.9#	95	-0.01
78		Pyrene	40.000	39.676	0.8	91	-0.02
79	S	Terphenyl-d14	80.000	89.037	-11.3	102	-0.02
80		Butylbenzylphthalate	40.000	41.403	-3.5	91	-0.01
81		Benzo(a)anthracene	40.000	38.182	4.5	89	-0.01
82		3,3'-Dichlorobenzidine	40.000	43.555	-8.9	94	-0.01
83		Chrysene	40.000	37.614	6.0	89	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	40.539	-1.3	91	-0.02
85	c	Di-n-octyl phthalate	40.000	42.173	-5.4	93	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	81	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	34.449	13.9	70	-0.02
88		Benzo(b)fluoranthene	40.000	39.544	1.1	82	-0.01
89		Benzo(k)fluoranthene	40.000	40.018	-0.0	83	-0.02
90	C	Benzo(a)pyrene	40.000	38.781	3.0	79	-0.02
91		Dibenzo(a,h)anthracene	40.000	34.436	13.9	71	-0.03
92		Benzo(g,h,i)perylene	40.000	33.711	15.7	69	-0.02

Sample Results: **BM047308.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047308.D
Acq On : 22 Aug 2024 09:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 10:59:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data: **BP021607.D**

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: JACO05

Lab Code: CHEM Case No.: P3671 SAS No.: P3671 SDG No.: P3671

Instrument ID: BNA_P Calibration Date/Time: 08/22/2024 10:09

Lab File ID: BP021607.D Init. Calib. Date(s): 08/13/2024 08/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:32 17:36

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.783	1.583		-11.2	
2-Fluorophenol	1.347	1.382		2.6	
Benzaldehyde	1.258	1.141		-9.3	
Phenol-d6	1.965	1.978		0.7	
2-Methylphenol	1.286	1.308		1.7	
3+4-Methylphenols	1.734	1.847		6.5	
Nitrobenzene-d5	0.387	0.422		9.0	
Hexachloroethane	0.599	0.599		0.0	
Nitrobenzene	0.421	0.428		1.7	
Naphthalene	1.045	1.023		-2.1	
Hexachlorobutadiene	0.215	0.203		-5.6	20.0
2-Methylnaphthalene	0.713	0.707		-0.8	
2,4,6-Trichlorophenol	0.326	0.368		12.9	20.0
2-Fluorobiphenyl	1.310	1.233		-5.9	
2,4,5-Trichlorophenol	0.362	0.424		17.1	
Acenaphthylene	1.619	1.602		-1.0	
Acenaphthene	1.063	1.108		4.2	20.0
Dibenzofuran	1.635	1.616		-1.2	
2,4-Dinitrotoluene	0.284	0.446		57.0	
Fluorene	1.343	1.319		-1.8	
2,4,6-Tribromophenol	0.223	0.273		22.4	
Hexachlorobenzene	0.250	0.236		-5.6	
Pentachlorophenol	0.137	0.168		22.6	20.0
Phenanthrene	0.962	0.941		-2.2	
Anthracene	0.943	0.926		-1.8	
Carbazole	0.909	0.948		4.3	
Di-n-butylphthalate	1.116	1.173		5.1	
Fluoranthene	1.180	1.250		5.9	20.0
Pyrene	1.307	1.233		-5.7	
Terphenyl-d14	1.029	0.933		-9.3	
Benzo(a)anthracene	1.256	1.216		-3.2	
Chrysene	1.185	1.172		-1.1	
Bis(2-ethylhexyl)phthalate	0.742	0.818		10.2	
Benzo(b)fluoranthene	1.149	1.148		-0.1	
Benzo(k)fluoranthene	1.121	1.085		-3.2	
Benzo(a)pyrene	0.997	1.003		0.6	20.0
Indeno(1,2,3-cd)pyrene	1.296	1.280		-1.2	
Dibenzo(a,h)anthracene	1.077	1.051		-2.4	
Benzo(g,h,i)perylene	1.080	1.071		-0.8	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3671 SAS No.: P3671 SDG No.: P3671

Instrument ID: BNA_P Calibration Date/Time: 08/22/2024 10:09

Lab File ID: BP021607.D Init. Calib. Date(s): 08/13/2024 08/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:32 17:36

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,4-Dioxane	0.639	0.577		-9.7	20.0
1-Methylnaphthalene	0.703	0.697		-0.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
Data File : BP021607.D
Acq On : 22 Aug 2024 10:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 22 11:12:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.805	152	306021	20.000	ng		0.00
21) Naphthalene-d8	10.587	136	1295901	20.000	ng		0.00
39) Acenaphthene-d10	14.446	164	892605	20.000	ng		0.00
64) Phenanthrene-d10	17.251	188	2043670	20.000	ng		0.00
76) Chrysene-d12	21.716	240	2177757	20.000	ng		0.00
86) Perylene-d12	25.151	264	2529327	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.399	112	1692146	82.106	ng		0.00
7) Phenol-d6	6.969	99	2421788	80.553	ng		0.00
23) Nitrobenzene-d5	8.946	82	2187801	87.139	ng		0.00
42) 2,4,6-Tribromophenol	15.957	330	976355	98.281	ng		0.00
45) 2-Fluorobiphenyl	13.051	172	4401195	75.251	ng		0.00
79) Terphenyl-d14	19.975	244	8129554	72.522	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.317	88	352966	36.120	ng		98
3) Pyridine	3.711	79	969082	35.524	ng		94
4) n-Nitrosodimethylamine	3.617	42	309671	37.767	ng		90
6) Aniline	7.128	93	1100584	36.618	ng		97
8) 2-Chlorophenol	7.369	128	810494	42.555	ng		94
9) Benzaldehyde	6.940	77	698181m	36.270	ng		
10) Phenol	6.993	94	1223947	39.314	ng		97
11) bis(2-Chloroethyl)ether	7.222	93	959935	36.440	ng		97
12) 1,3-Dichlorobenzene	7.693	146	897289	39.663	ng		97
13) 1,4-Dichlorobenzene	7.834	146	910209	39.845	ng		97
14) 1,2-Dichlorobenzene	8.152	146	868092	39.433	ng		99
15) Benzyl Alcohol	8.034	79	826783	38.328	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.322	45	889376	36.661	ng		97
17) 2-Methylphenol	8.234	107	800785	40.687	ng		97
18) Hexachloroethane	8.881	117	366497	40.008	ng		97
19) n-Nitroso-di-n-propyla...	8.599	70	710579	34.216	ng		96
20) 3+4-Methylphenols	8.558	107	1130685	42.606	ng		98
22) Acetophenone	8.616	105	1502950	37.751	ng	#	97
24) Nitrobenzene	8.987	77	1109518	40.688	ng		92
25) Isophorone	9.516	82	2070792	34.912	ng		98
26) 2-Nitrophenol	9.699	139	418665	56.145	ng		95
27) 2,4-Dimethylphenol	9.763	122	588934	40.233	ng		98
28) bis(2-Chloroethoxy)met...	9.993	93	1316616	36.364	ng		99
29) 2,4-Dichlorophenol	10.234	162	778360	45.004	ng		98
30) 1,2,4-Trichlorobenzene	10.452	180	850430	38.353	ng		98
31) Naphthalene	10.640	128	2651405	39.165	ng		99
32) Benzoic acid	9.893	122	702733	64.277	ng		92
33) 4-Chloroaniline	10.740	127	1044030	41.056	ng		96
34) Hexachlorobutadiene	10.928	225	526342	37.700	ng		98
35) Caprolactam	11.522	113	340465	47.294	ng		88
36) 4-Chloro-3-methylphenol	11.863	107	1067240	44.485	ng		100
37) 2-Methylnaphthalene	12.252	142	1832316	39.657	ng		99
38) 1-Methylnaphthalene	12.469	142	1805763	39.627	ng		98
40) 1,2,4,5-Tetrachloroben...	12.622	216	981946	37.545	ng		99
41) Hexachlorocyclopentadiene	12.604	237	313547	37.827	ng		99
43) 2,4,6-Trichlorophenol	12.857	196	657602	45.265	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
Data File : BP021607.D
Acq On : 22 Aug 2024 10:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 22 11:12:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 2024
Response via : Initial Calibration

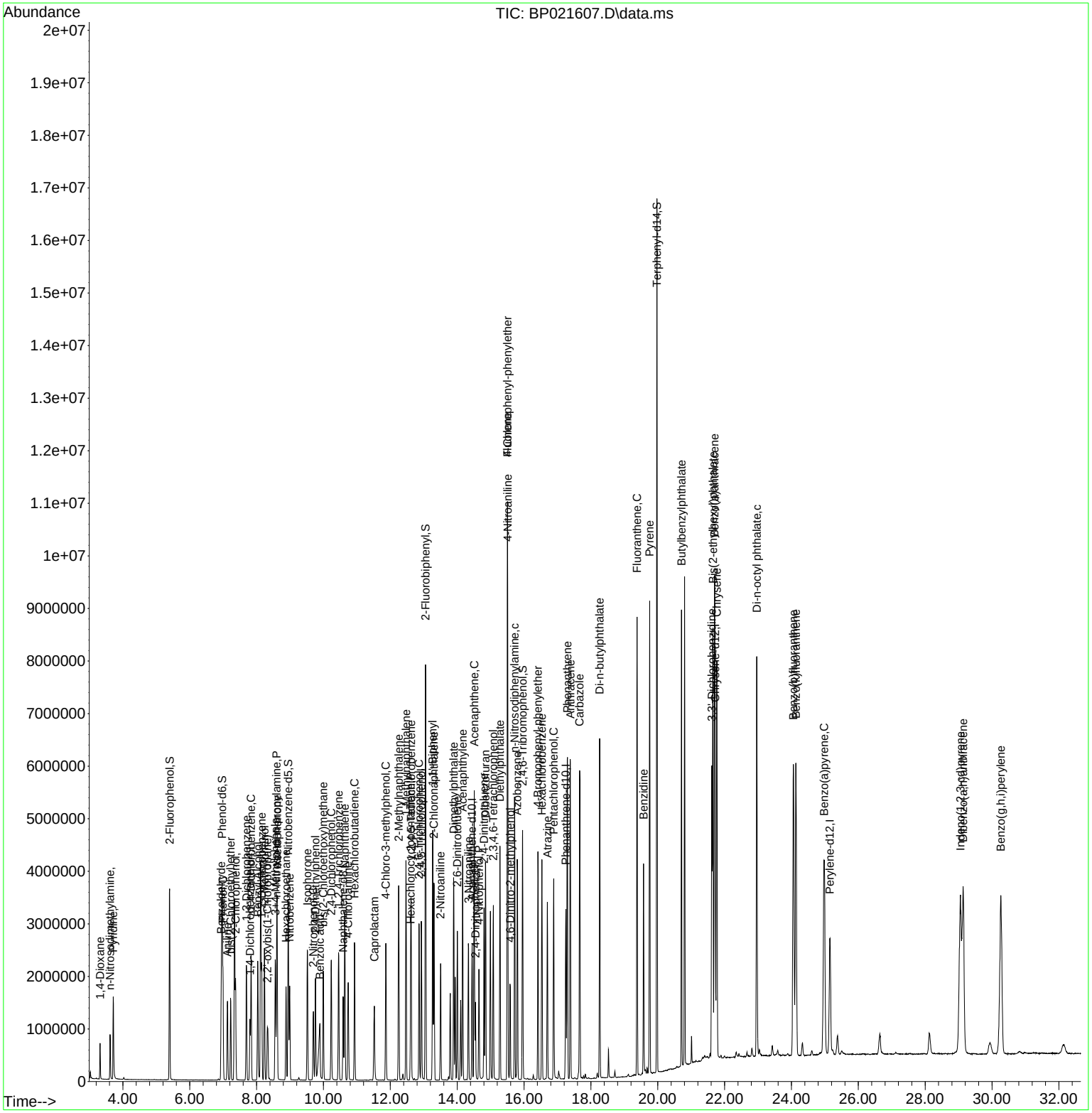
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.928	196	756821	46.888	ng		97
46) 1,1'-Biphenyl	13.269	154	2414888	38.239	ng		98
47) 2-Chloronaphthalene	13.304	162	1891481	38.471	ng		98
48) 2-Nitroaniline	13.504	65	642364	46.764	ng		87
49) Acenaphthylene	14.163	152	2859765	39.567	ng		100
50) Dimethylphthalate	13.893	163	2471054	41.338	ng		100
51) 2,6-Dinitrotoluene	14.004	165	562223	46.734	ng		93
52) Acenaphthene	14.510	154	1978337m	41.716	ng		
53) 3-Nitroaniline	14.340	138	592561	49.817	ng	#	87
54) 2,4-Dinitrophenol	14.546	184	270205	69.291	ng		90
55) Dibenzofuran	14.845	168	2885664	39.555	ng		98
56) 4-Nitrophenol	14.651	139	535009	55.618	ng		87
57) 2,4-Dinitrotoluene	14.804	165	795469	51.457	ng		86
58) Fluorene	15.504	166	2355419	39.301	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.081	232	661450	48.280	ng		97
60) Diethylphthalate	15.281	149	2553202	41.628	ng		99
61) 4-Chlorophenyl-phenyle...	15.504	204	1187422	38.329	ng		99
62) 4-Nitroaniline	15.510	138	634770	51.838	ng		93
63) Azobenzene	15.798	77	2697770	35.782	ng		96
65) 4,6-Dinitro-2-methylph...	15.587	198	405221	60.270	ng		93
66) n-Nitrosodiphenylamine	15.716	169	2047275	37.381	ng		100
67) 4-Bromophenyl-phenylether	16.416	248	807844	37.349	ng		99
68) Hexachlorobenzene	16.534	284	965015	37.754	ng		99
69) Atrazine	16.698	200	658003	34.994	ng		99
70) Pentachlorophenol	16.887	266	686649	49.218	ng		99
71) Phenanthrene	17.298	178	3845941	39.131	ng		99
72) Anthracene	17.387	178	3783669	39.254	ng		100
73) Carbazole	17.663	167	3872999	41.693	ng		99
74) Di-n-butylphthalate	18.263	149	4796454	42.043	ng		99
75) Fluoranthene	19.381	202	5107958	42.357	ng		99
77) Benzidine	19.575	184	2070199	40.898	ng		100
78) Pyrene	19.757	202	5368768	37.717	ng		99
80) Butylbenzylphthalate	20.710	149	2329583	43.488	ng		95
81) Benzo(a)anthracene	21.698	228	5297512	38.750	ng		100
82) 3,3'-Dichlorobenzidine	21.616	252	1934960	44.144	ng		100
83) Chrysene	21.769	228	5105201	39.552	ng		100
84) Bis(2-ethylhexyl)phtha...	21.651	149	3564928	44.120	ng		99
85) Di-n-octyl phthalate	22.963	149	6240578	44.373	ng		98
87) Indeno(1,2,3-cd)pyrene	29.057	276	6472968m	39.480	ng		
88) Benzo(b)fluoranthene	24.057	252	5809629	39.993	ng		99
89) Benzo(k)fluoranthene	24.133	252	5490312	38.744	ng		99
90) Benzo(a)pyrene	24.980	252	5072304	40.237	ng		99
91) Dibenzo(a,h)anthracene	29.133	278	5317596	39.035	ng		99
92) Benzo(g,h,i)perylene	30.262	276	5417561	39.678	ng		99

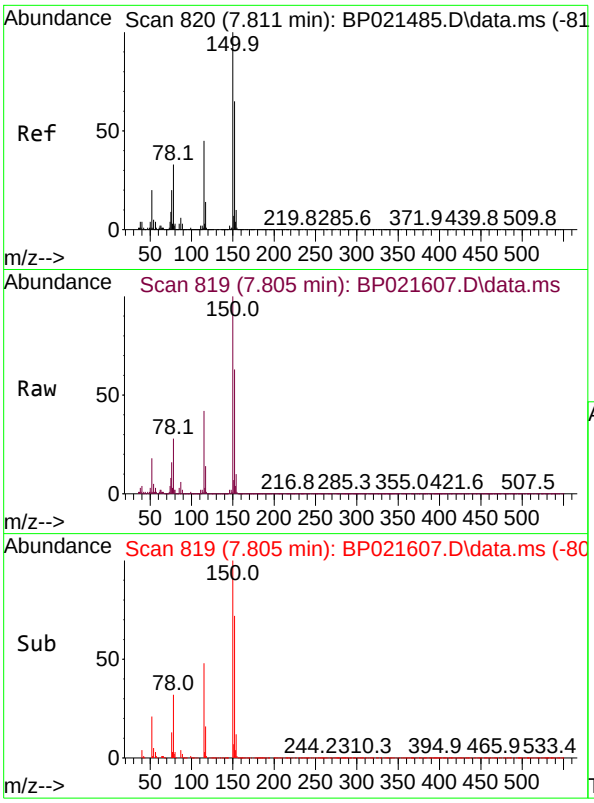
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
Data File : BP021607.D
Acq On : 22 Aug 2024 10:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 22 11:12:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 2024
Response via : Initial Calibration



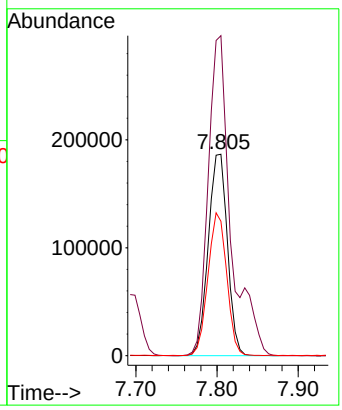


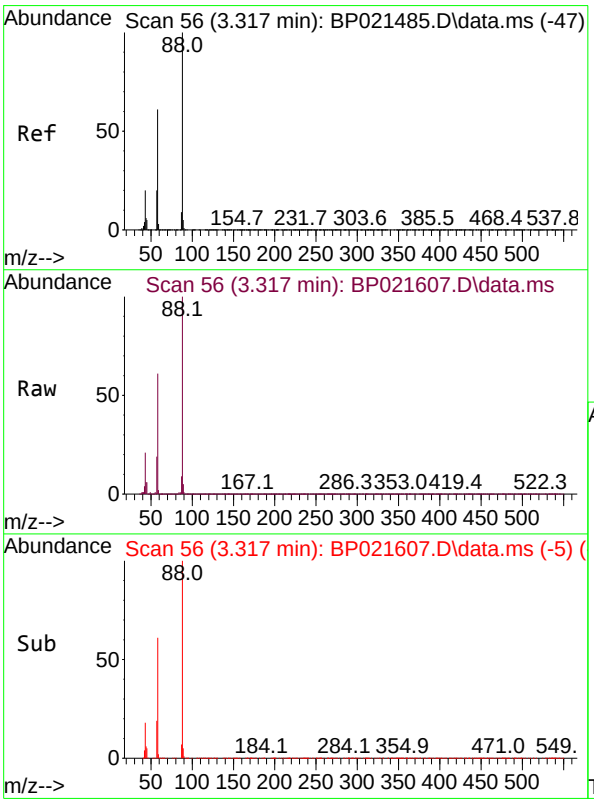
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 306021

Ion	Ratio	Lower	Upper
152	100		
150	158.8	122.4	183.6
115	66.7	54.7	82.1

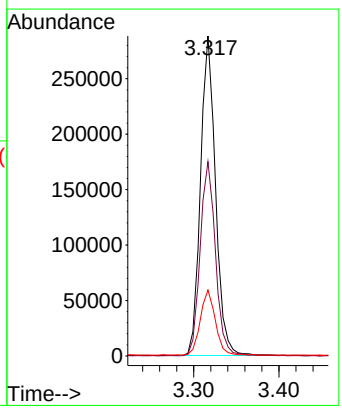


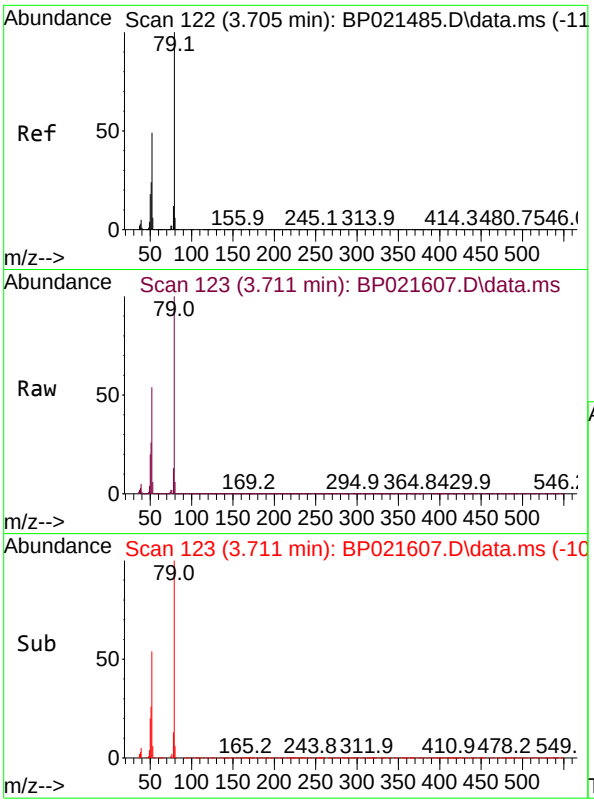


#2
1,4-Dioxane
Concen: 36.120 ng
RT: 3.317 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion: 88 Resp: 352966

Ion	Ratio	Lower	Upper
88	100		
58	62.0	48.7	73.1
43	20.1	15.4	23.2



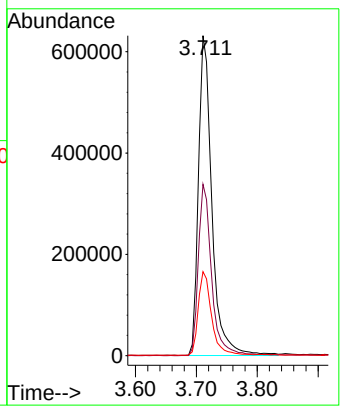


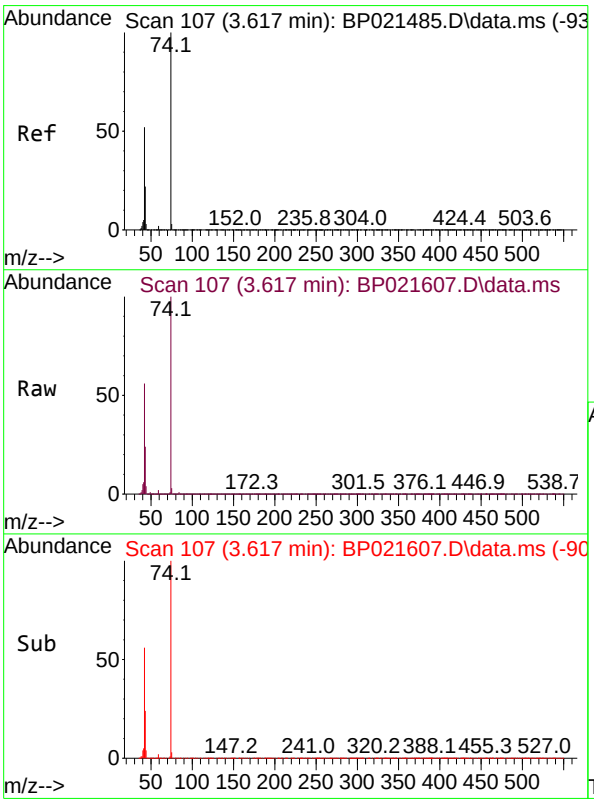
#3
Pyridine
Concen: 35.524 ng
RT: 3.711 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 969082

Ion	Ratio	Lower	Upper
79	100		
52	53.6	39.0	58.6
51	26.3	19.2	28.8

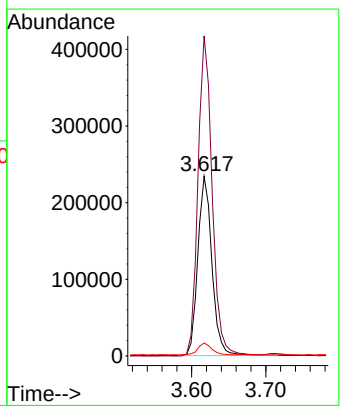


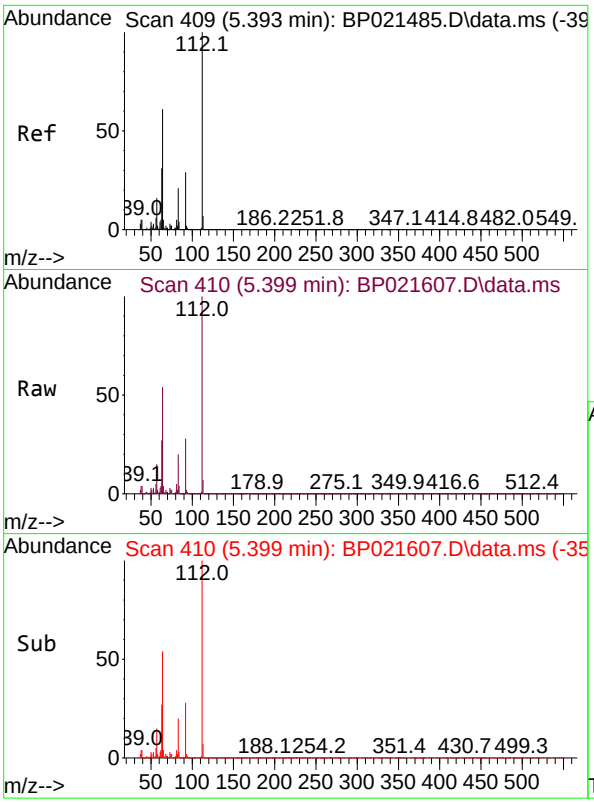


#4
n-Nitrosodimethylamine
Concen: 37.767 ng
RT: 3.617 min Scan# 107
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion: 42 Resp: 309671

Ion	Ratio	Lower	Upper
42	100		
74	178.1	154.3	231.5
44	7.2	6.2	9.4



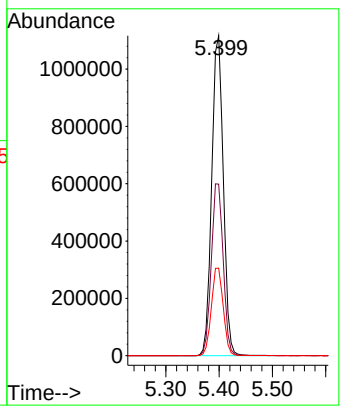


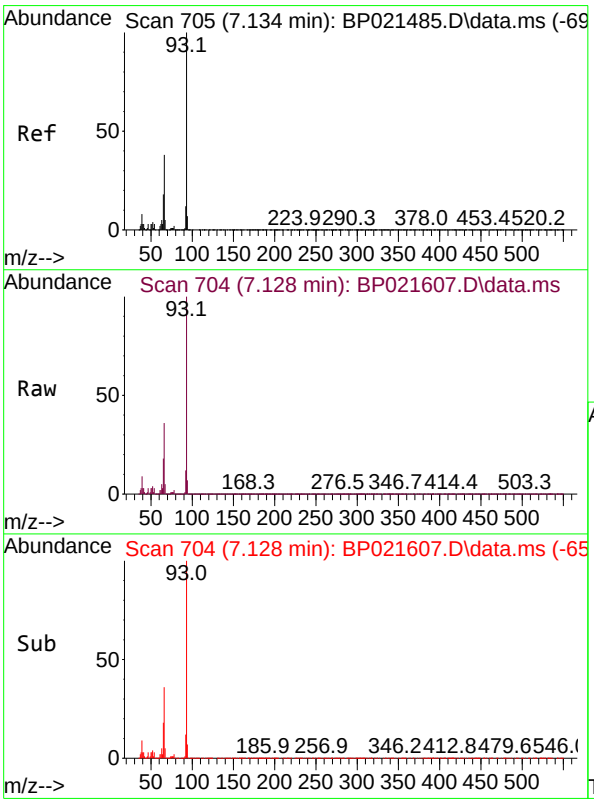
#5
2-Fluorophenol
Concen: 82.106 ng
RT: 5.399 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1692146

Ion	Ratio	Lower	Upper
112	100		
64	53.6	49.0	73.6
63	27.3	24.6	36.8

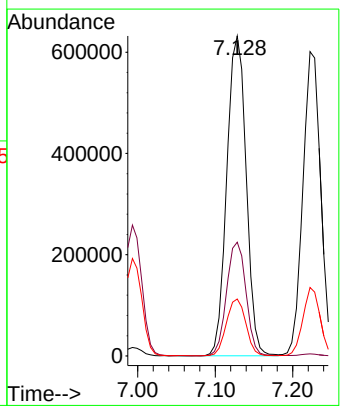


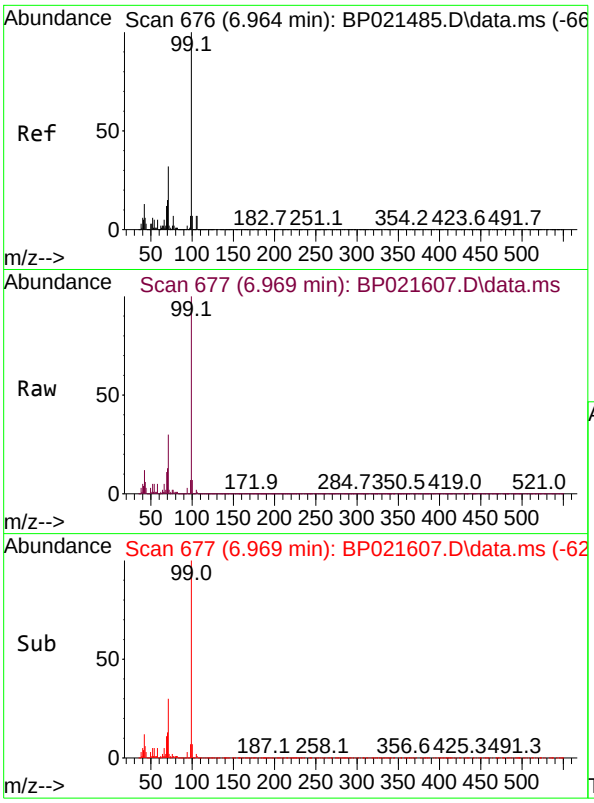


#6
Aniline
Concen: 36.618 ng
RT: 7.128 min Scan# 704
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion: 93 Resp: 1100584

Ion	Ratio	Lower	Upper
93	100		
66	35.6	30.2	45.2
65	17.8	14.7	22.1



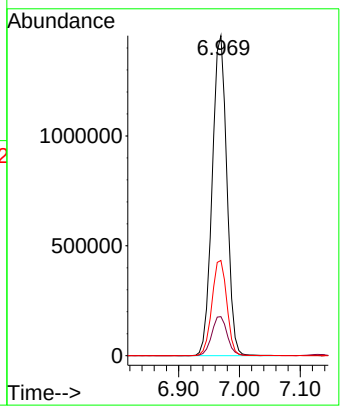


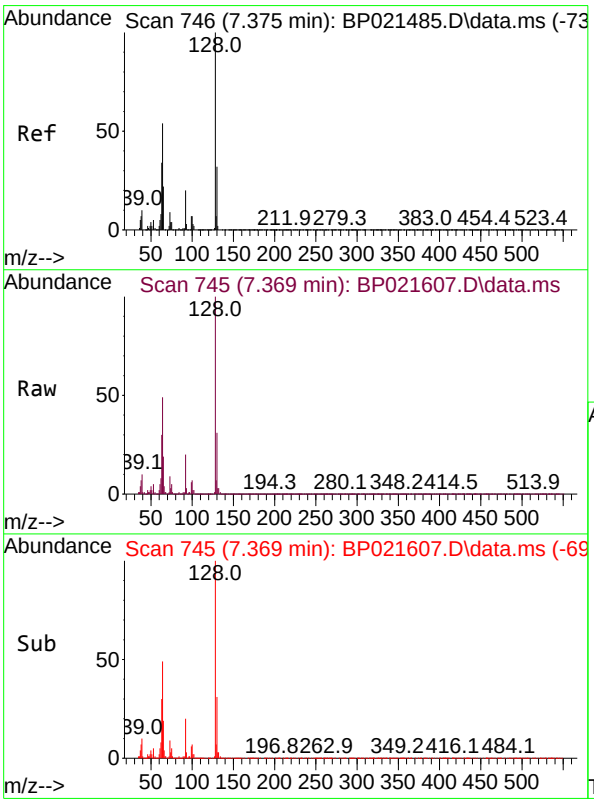
#7
Phenol-d6
Concen: 80.553 ng
RT: 6.969 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 2421788

Ion	Ratio	Lower	Upper
99	100		
42	12.2	10.2	15.4
71	29.8	25.8	38.8

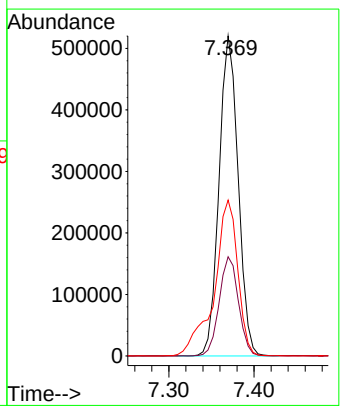


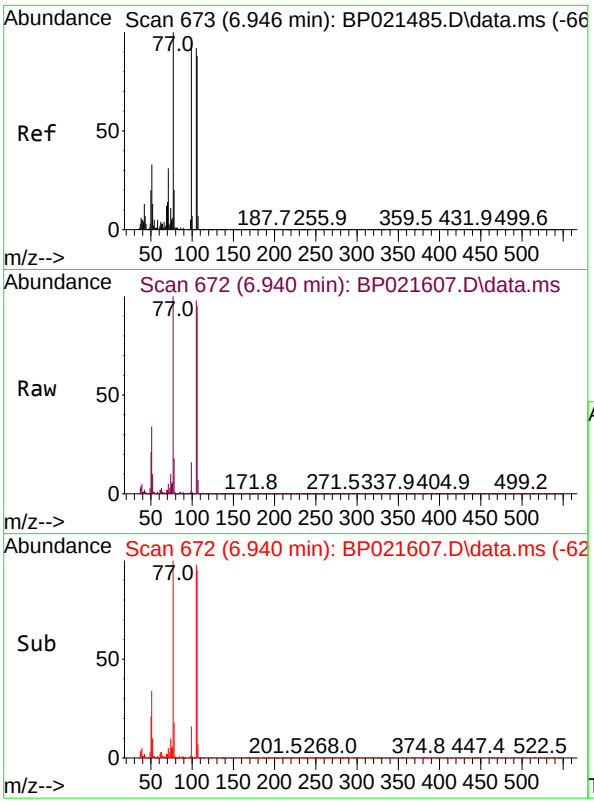


#8
2-Chlorophenol
Concen: 42.555 ng
RT: 7.369 min Scan# 745
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:128 Resp: 810494

Ion	Ratio	Lower	Upper
128	100		
130	31.0	11.6	51.6
64	48.7	35.3	75.3



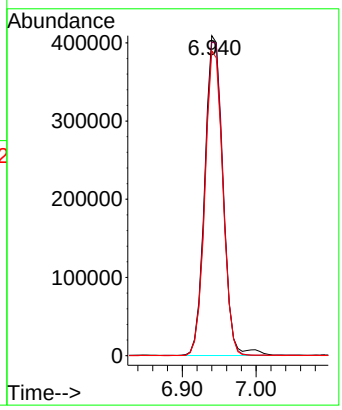


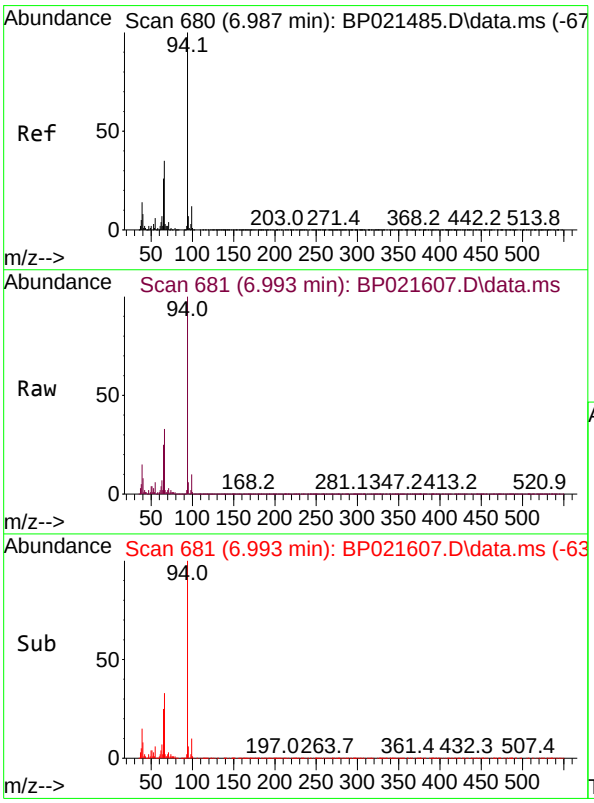
#9
Benzaldehyde
Concen: 36.270 ng m
RT: 6.940 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 698181

Ion	Ratio	Lower	Upper
77	100		
105	98.0	72.1	112.1
106	95.3	67.9	107.9

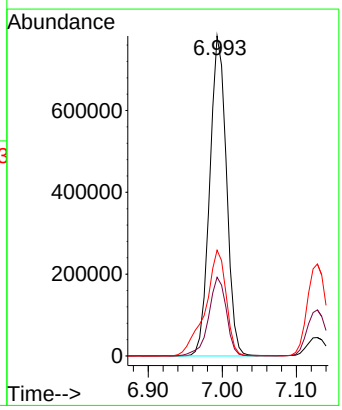


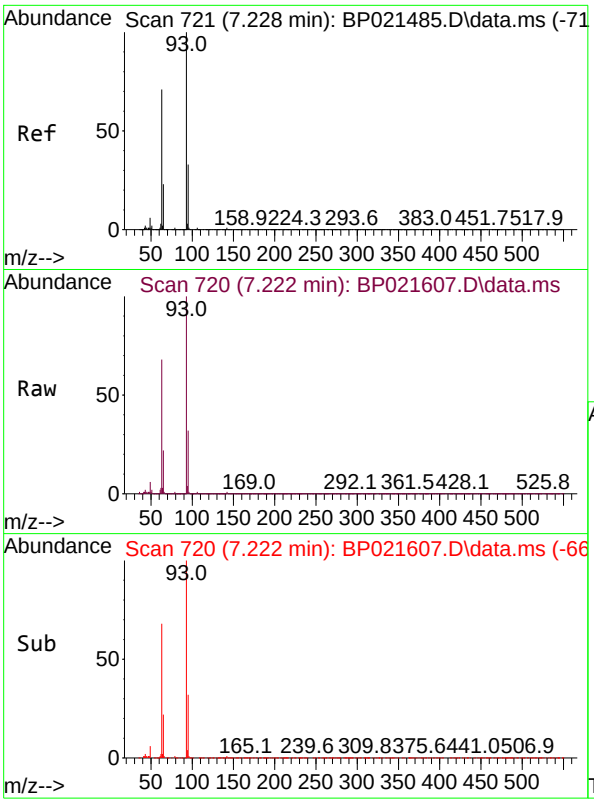


#10
Phenol
Concen: 39.314 ng
RT: 6.993 min Scan# 681
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion: 94 Resp: 1223947

Ion	Ratio	Lower	Upper
94	100		
65	24.6	6.5	46.5
66	33.0	14.7	54.7



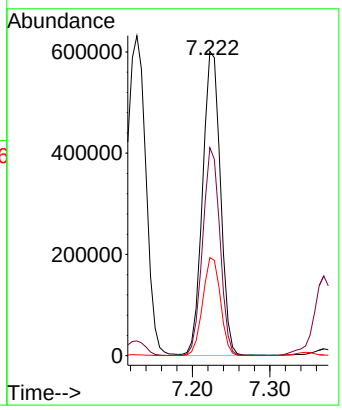


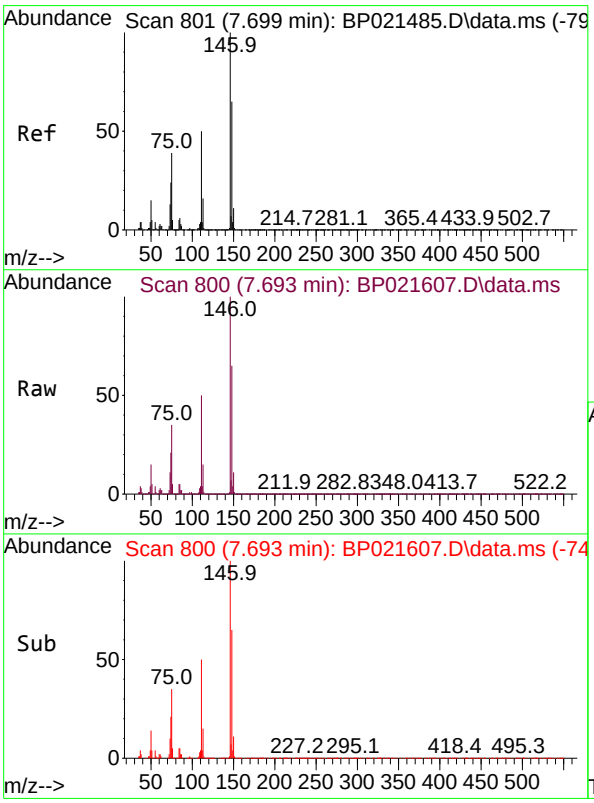
#11
bis(2-Chloroethyl)ether
Concen: 36.440 ng
RT: 7.222 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 959935

Ion	Ratio	Lower	Upper
93	100		
63	68.4	51.0	91.0
95	32.3	12.9	52.9

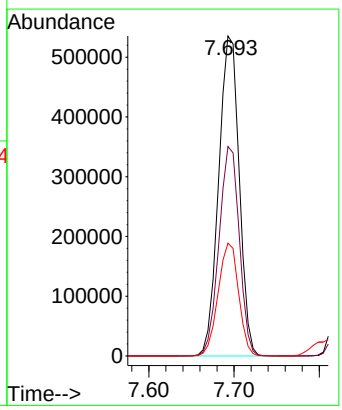


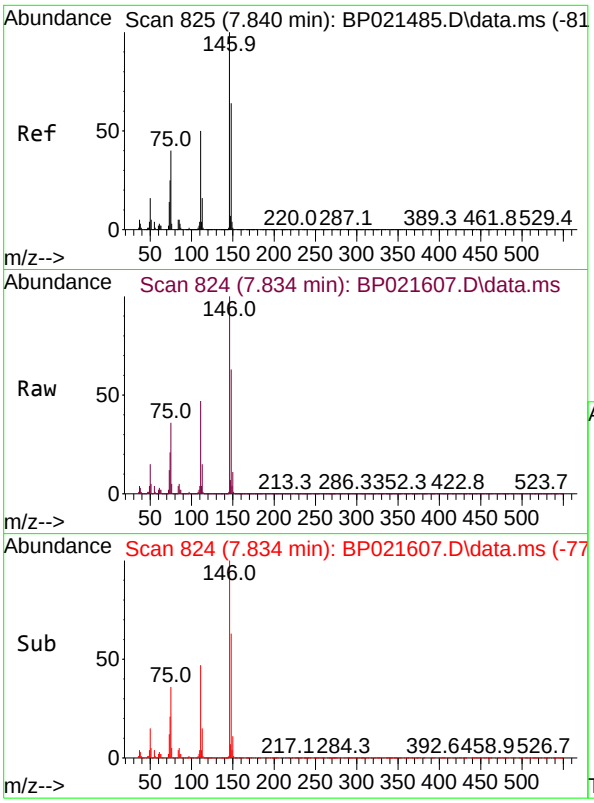


#12
1,3-Dichlorobenzene
Concen: 39.663 ng
RT: 7.693 min Scan# 800
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:146 Resp: 897289

Ion	Ratio	Lower	Upper
146	100		
148	65.4	51.8	77.6
75	35.2	31.3	46.9



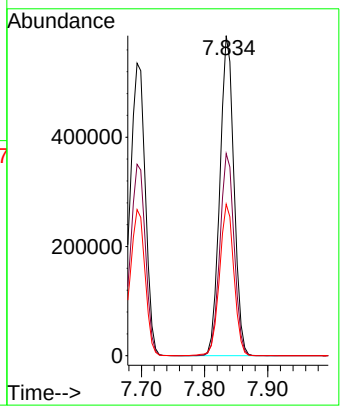


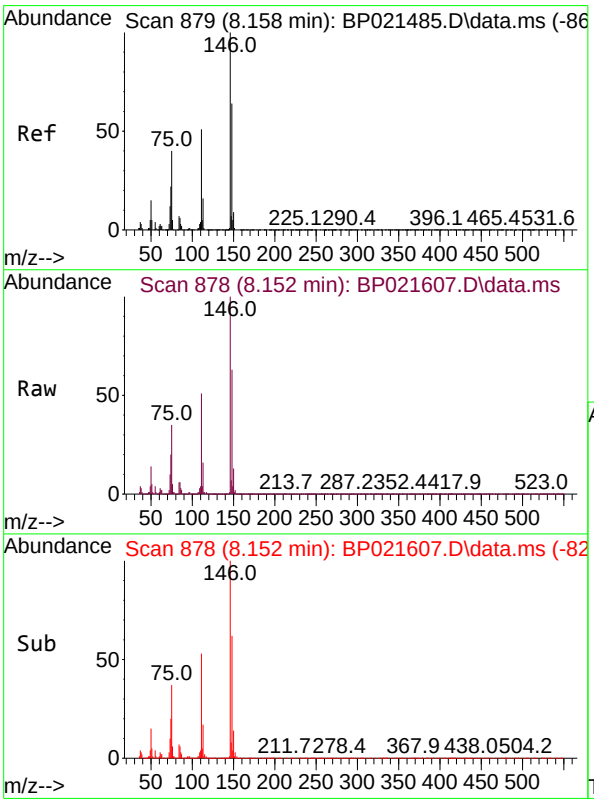
#13
1,4-Dichlorobenzene
Concen: 39.845 ng
RT: 7.834 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 910209

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.5	77.3
111	47.4	40.3	60.5

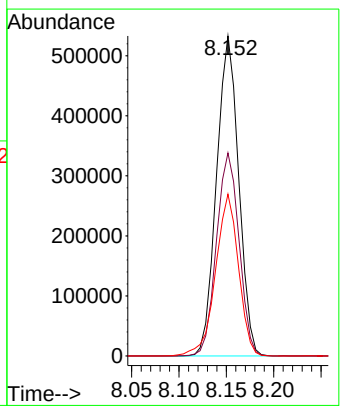


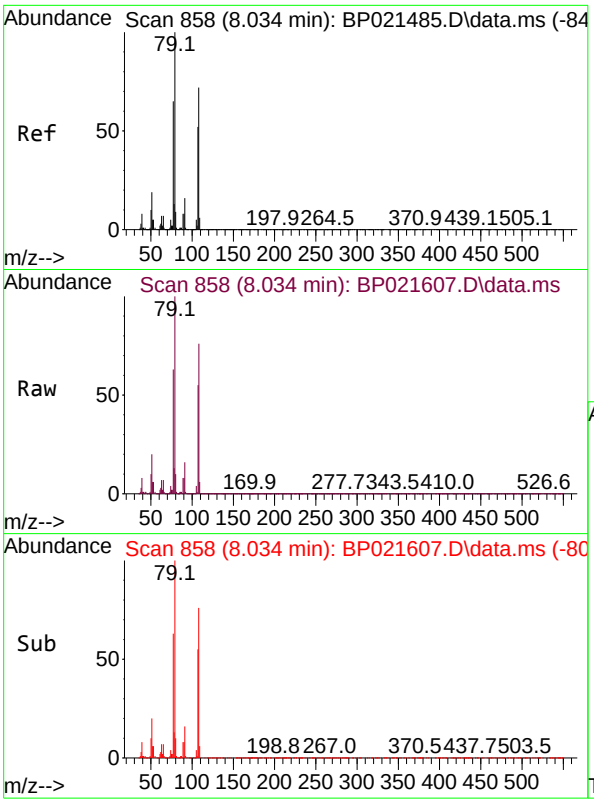


#14
1,2-Dichlorobenzene
Concen: 39.433 ng
RT: 8.152 min Scan# 878
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:146 Resp: 868092

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.5	77.3
111	50.5	41.1	61.7



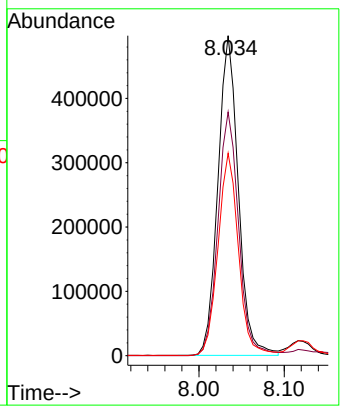


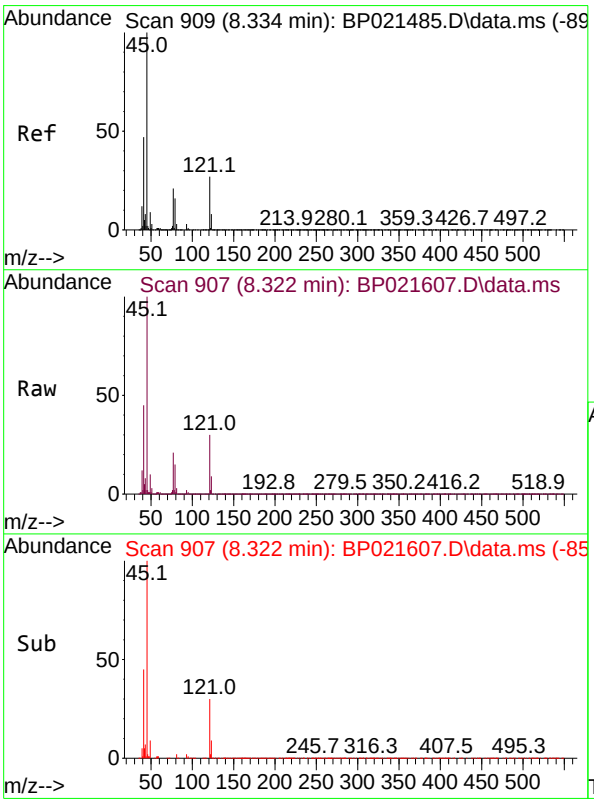
#15
Benzyl Alcohol
Concen: 38.328 ng
RT: 8.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 826783

Ion	Ratio	Lower	Upper
79	100		
108	76.1	57.9	86.9
77	63.2	51.8	77.8

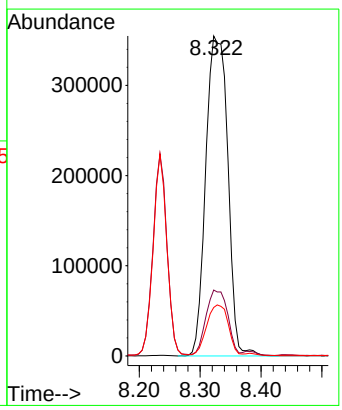


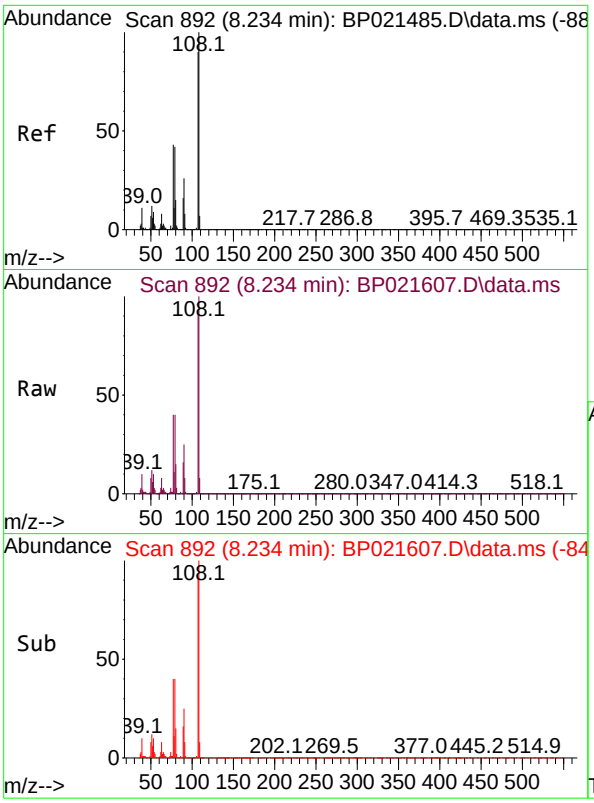


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.661 ng
RT: 8.322 min Scan# 907
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion: 45 Resp: 889376

Ion	Ratio	Lower	Upper
45	100		
77	20.6	1.9	41.9
79	15.2	0.0	36.6



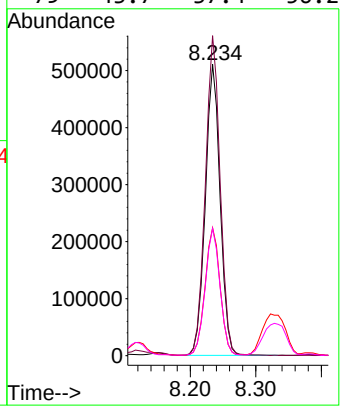


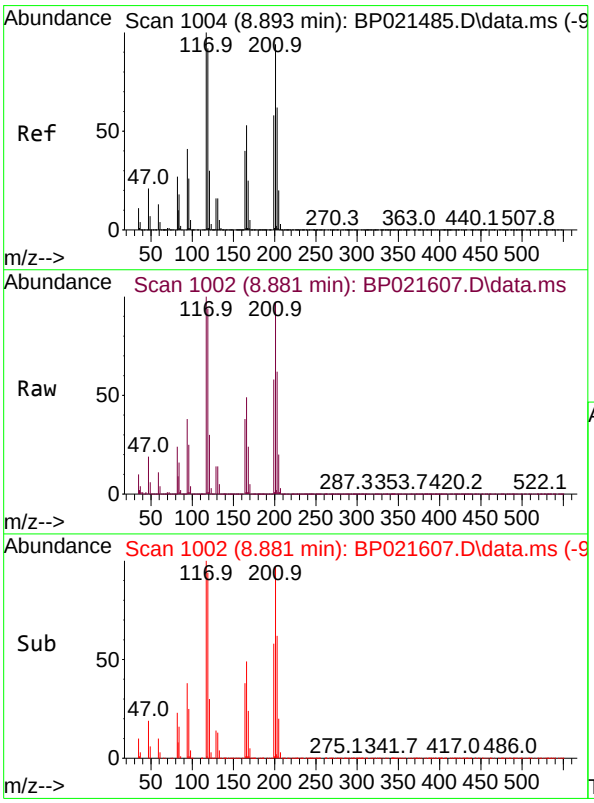
#17
2-Methylphenol
Concen: 40.687 ng
RT: 8.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 800785

Ion	Ratio	Lower	Upper
107	100		
108	109.8	88.8	133.2
77	43.9	38.7	58.1
79	43.7	37.4	56.2

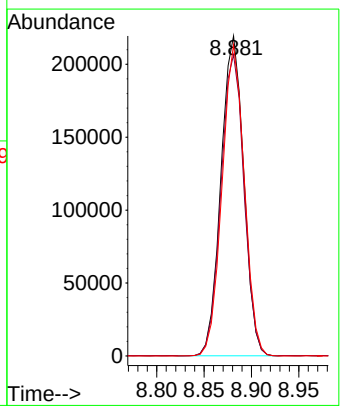


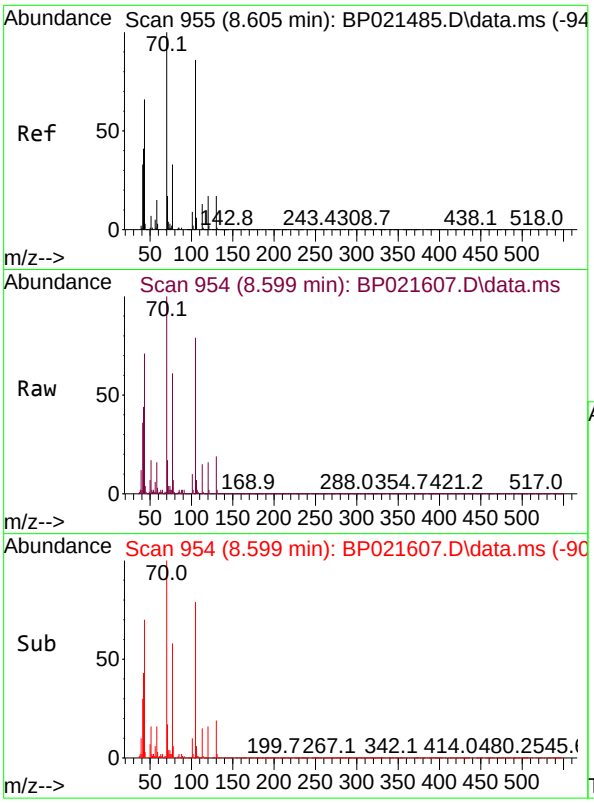


#18
Hexachloroethane
Concen: 40.008 ng
RT: 8.881 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:117 Resp: 366497

Ion	Ratio	Lower	Upper
117	100		
119	94.1	73.9	110.9
201	97.2	74.9	112.3



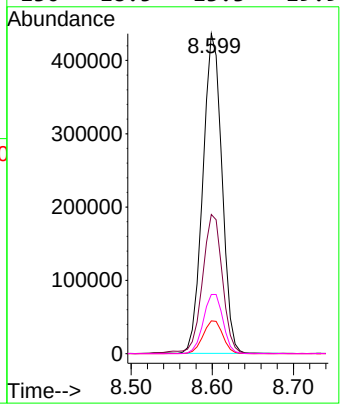


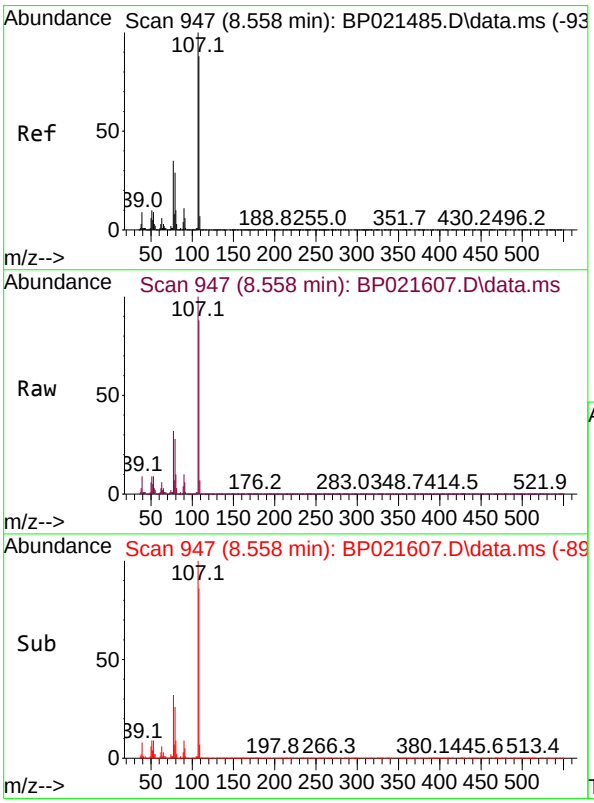
#19
n-Nitroso-di-n-propylamine
Concen: 34.216 ng
RT: 8.599 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 710579

Ion	Ratio	Lower	Upper
70	100		
42	43.5	33.1	49.7
101	10.3	7.4	11.2
130	18.5	13.3	19.9

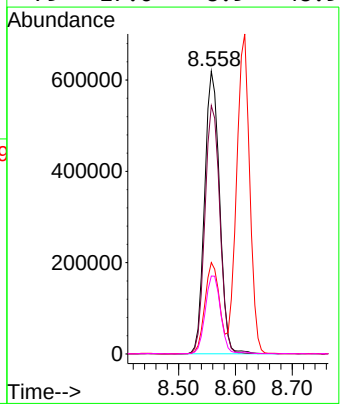


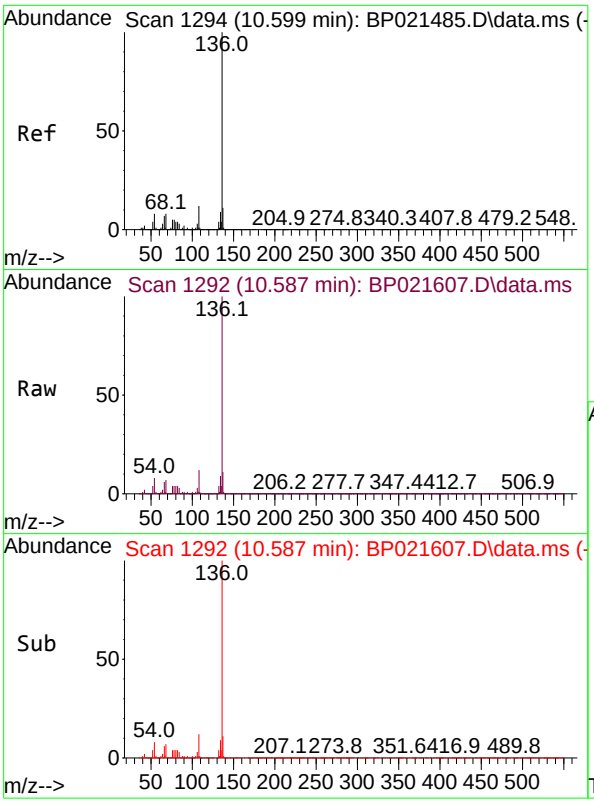


#20
3+4-Methylphenols
Concen: 42.606 ng
RT: 8.558 min Scan# 947
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:107 Resp: 1130685

Ion	Ratio	Lower	Upper
107	100		
108	87.9	67.6	107.6
77	32.3	15.0	55.0
79	27.6	8.9	48.9



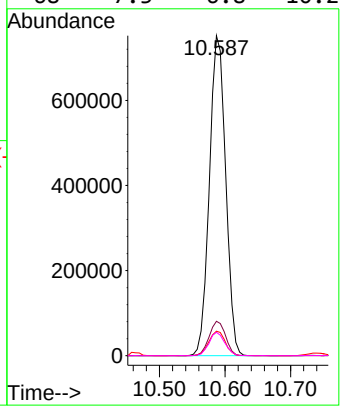


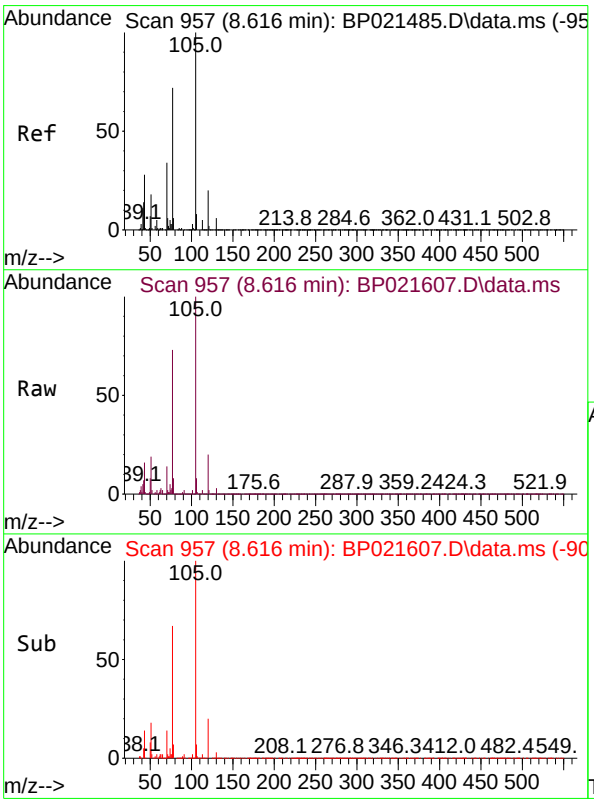
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 1295901

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.6	6.3	9.5
68	7.3	6.8	10.2

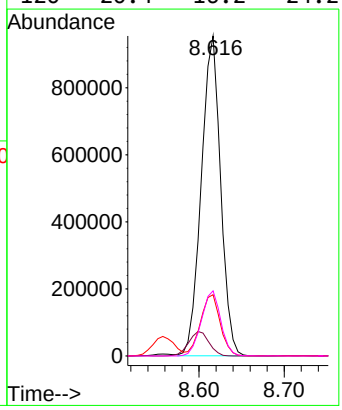


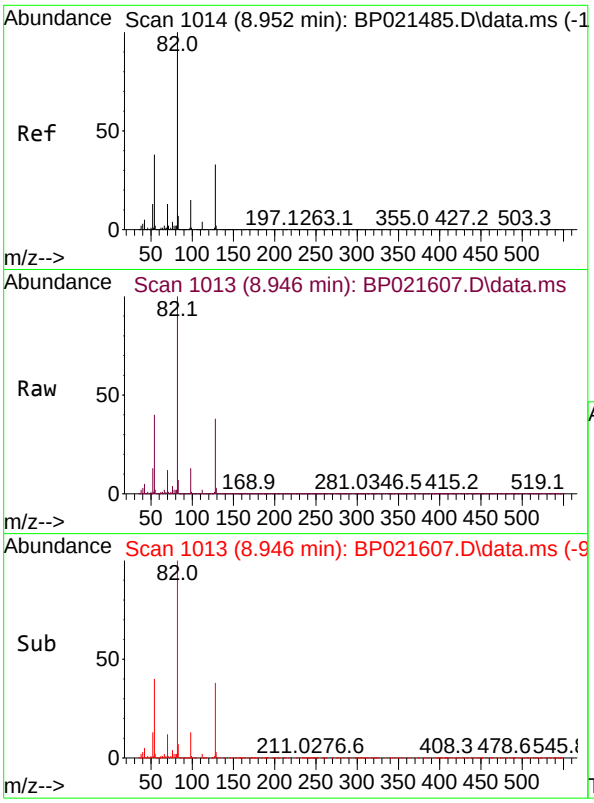


#22
Acetophenone
Concen: 37.751 ng
RT: 8.616 min Scan# 957
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:105 Resp: 1502950

Ion	Ratio	Lower	Upper
105	100		
71	2.3	4.6	7.0#
51	19.2	16.3	24.5
120	20.4	16.2	24.2



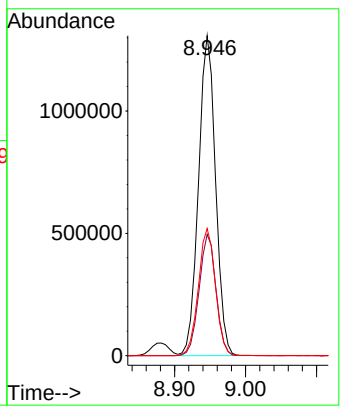


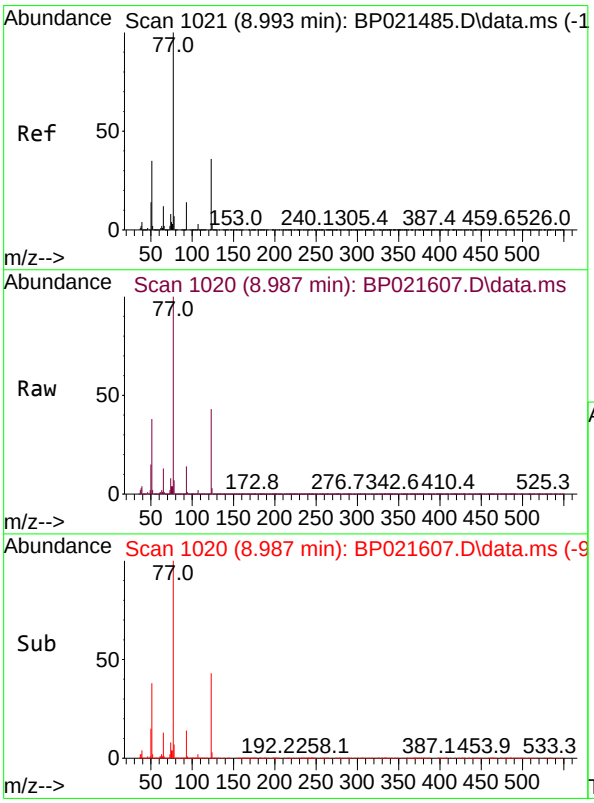
#23
Nitrobenzene-d5
Concen: 87.139 ng
RT: 8.946 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 2187801

Ion	Ratio	Lower	Upper
82	100		
128	37.9	26.5	39.7
54	39.7	30.3	45.5

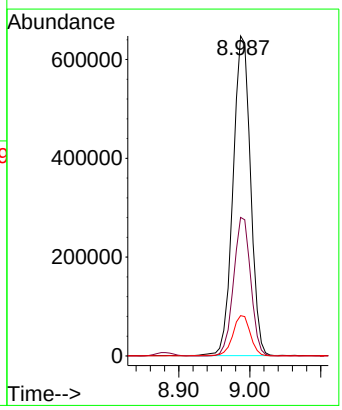


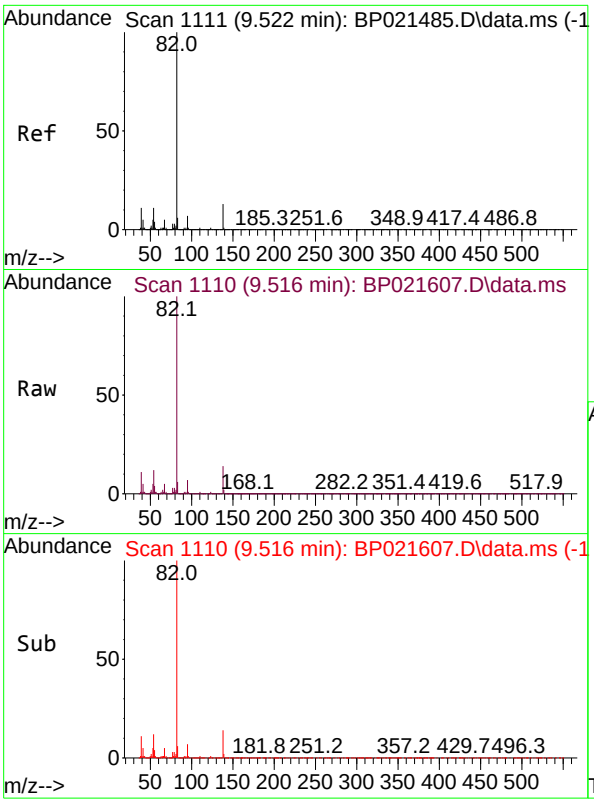


#24
Nitrobenzene
Concen: 40.688 ng
RT: 8.987 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion: 77 Resp: 1109518

Ion	Ratio	Lower	Upper
77	100		
123	43.3	29.5	44.3
65	12.6	9.9	14.9



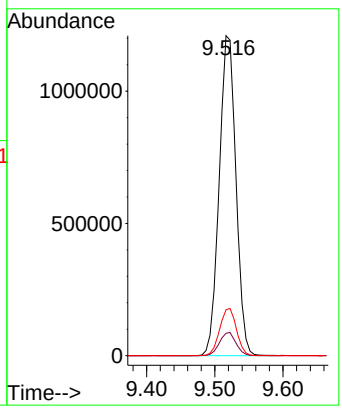


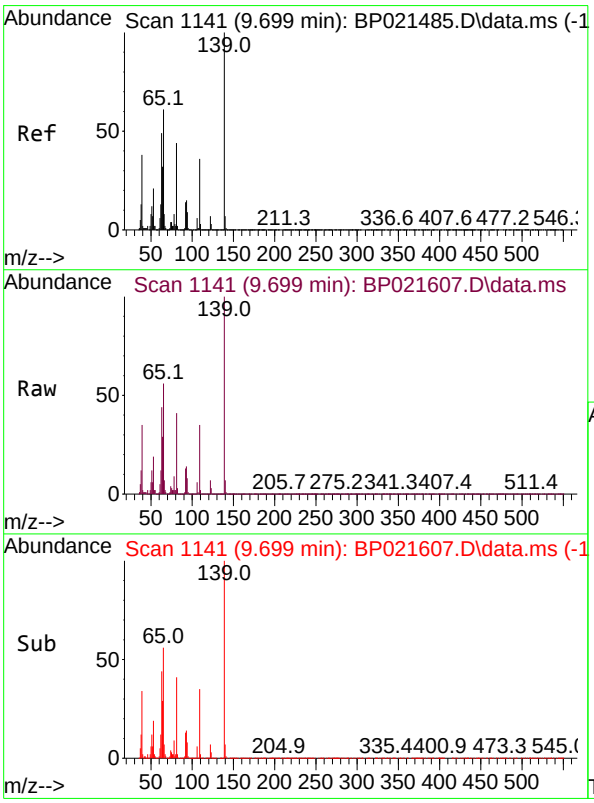
#25
Isophorone
Concen: 34.912 ng
RT: 9.516 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 2070792

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.4	8.2
138	14.3	10.6	16.0

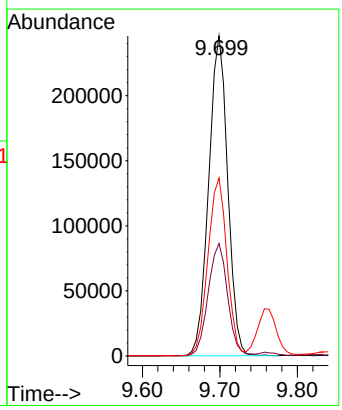


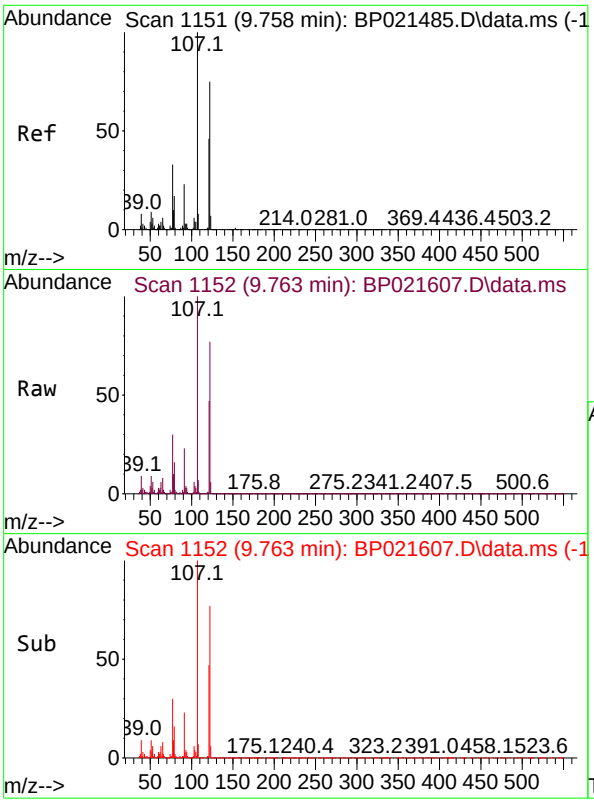


#26
2-Nitrophenol
Concen: 56.145 ng
RT: 9.699 min Scan# 1141
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:139 Resp: 418665

Ion	Ratio	Lower	Upper
139	100		
109	35.2	28.9	43.3
65	55.6	49.0	73.6



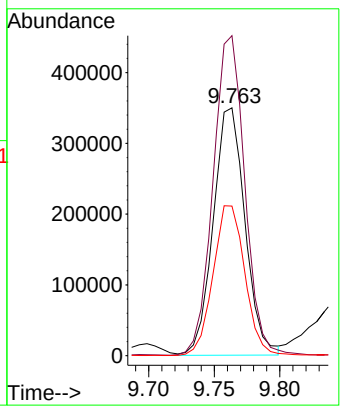


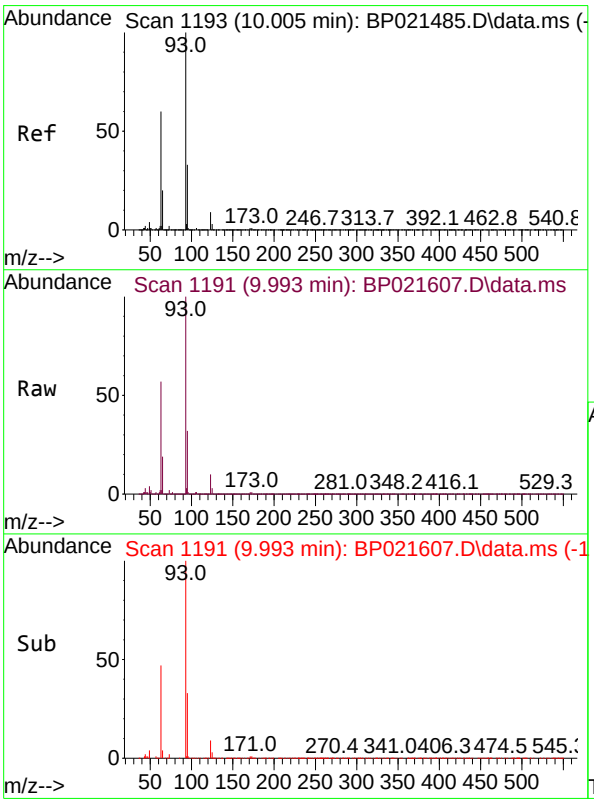
#27
2,4-Dimethylphenol
Concen: 40.233 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 588934

Ion	Ratio	Lower	Upper
122	100		
107	129.1	106.2	159.4
121	60.3	48.8	73.2

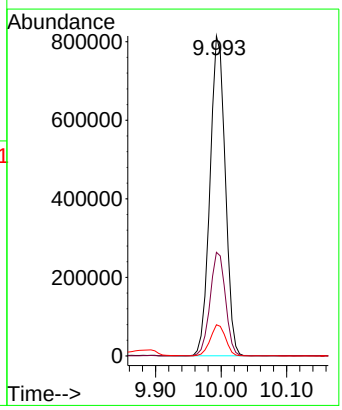


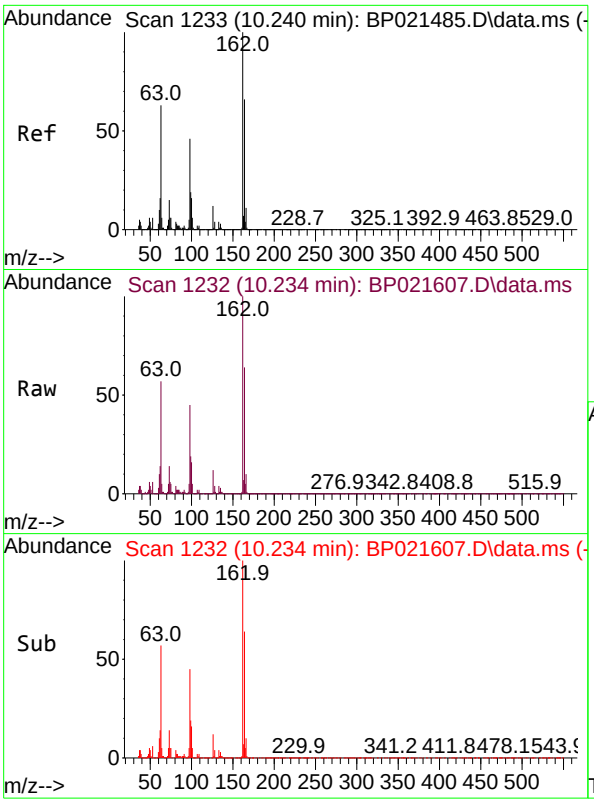


#28
bis(2-Chloroethoxy)methane
Concen: 36.364 ng
RT: 9.993 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion: 93 Resp: 1316616

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.4
123	9.8	7.6	11.4



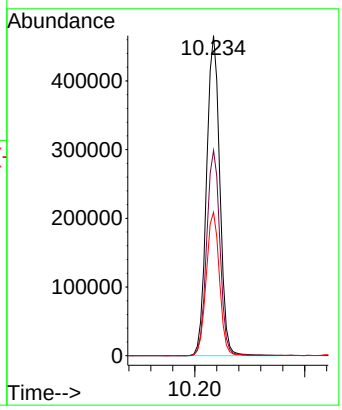


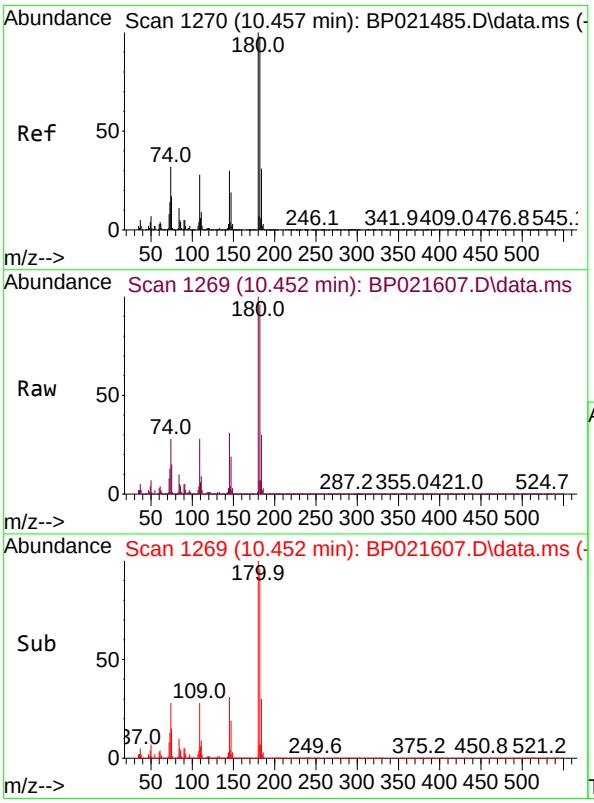
#29
2,4-Dichlorophenol
Concen: 45.004 ng
RT: 10.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 778360

Ion	Ratio	Lower	Upper
162	100		
164	64.1	45.9	85.9
98	44.8	26.3	66.3

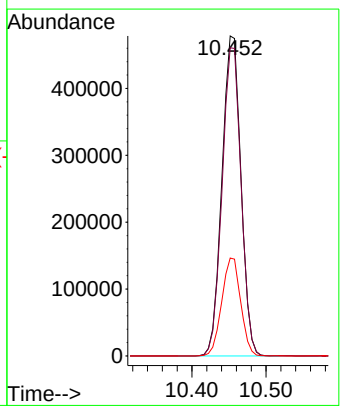


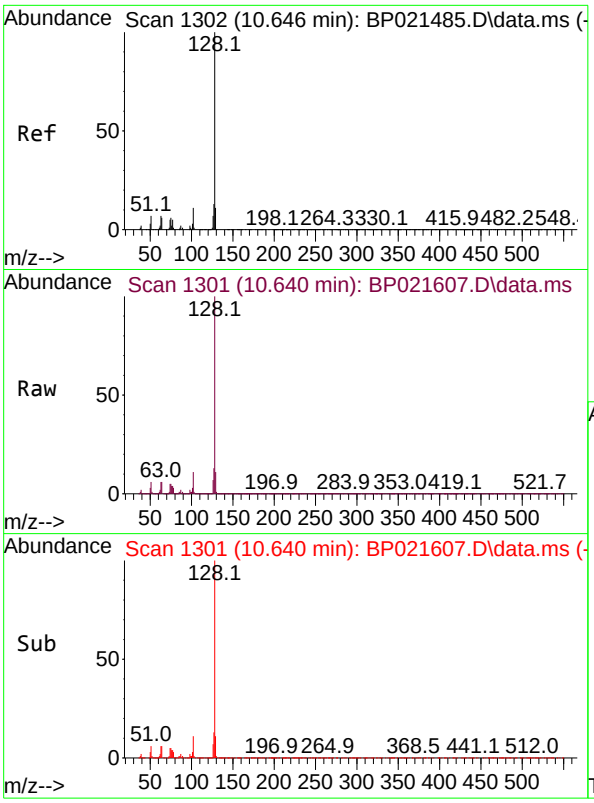


#30
1,2,4-Trichlorobenzene
Concen: 38.353 ng
RT: 10.452 min Scan# 1269
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:180 Resp: 850430

Ion	Ratio	Lower	Upper
180	100		
182	96.3	78.3	117.5
145	30.6	24.0	36.0



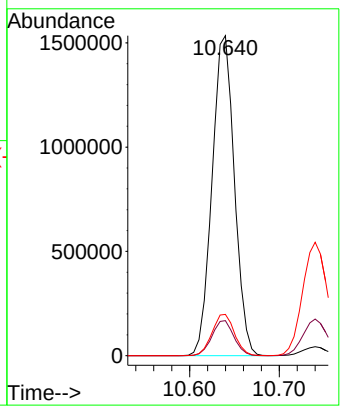


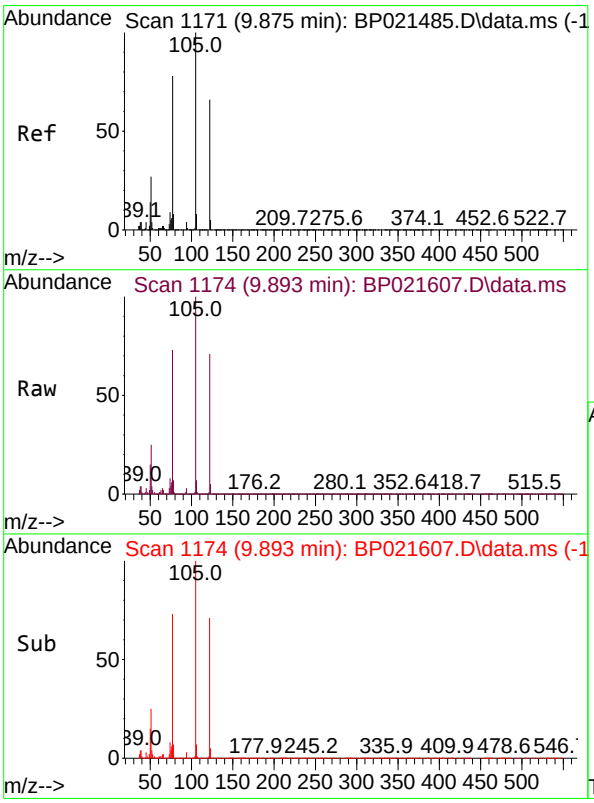
#31
Naphthalene
Concen: 39.165 ng
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 2651405

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	12.9	10.6	15.8

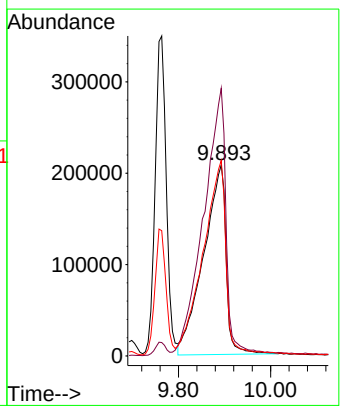


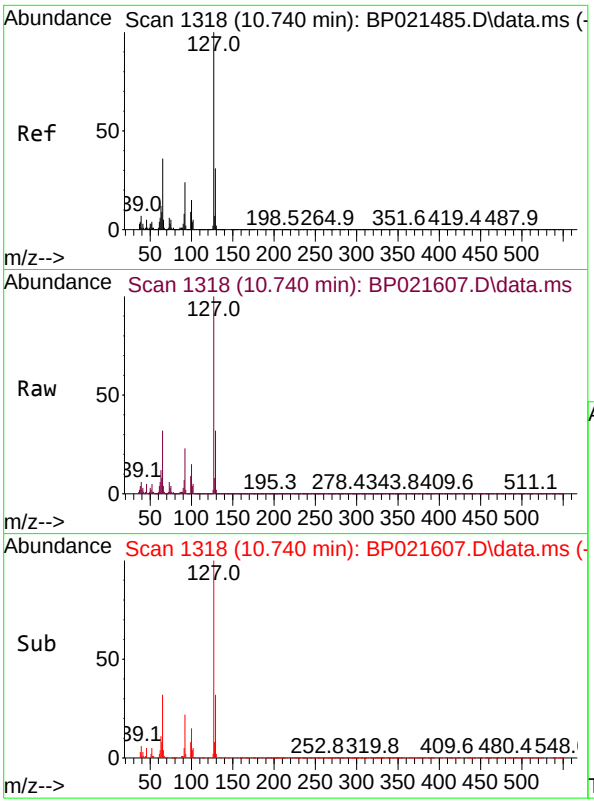


#32
Benzoic acid
Concen: 64.277 ng
RT: 9.893 min Scan# 1174
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:122 Resp: 702733

Ion	Ratio	Lower	Upper
122	100		
105	140.3	124.6	164.6
77	102.5	96.2	136.2



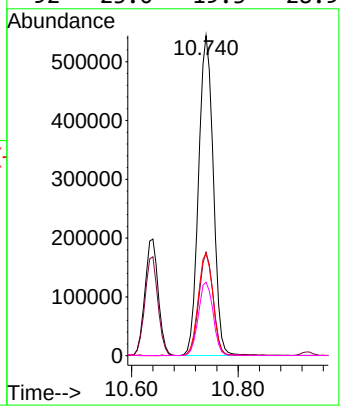


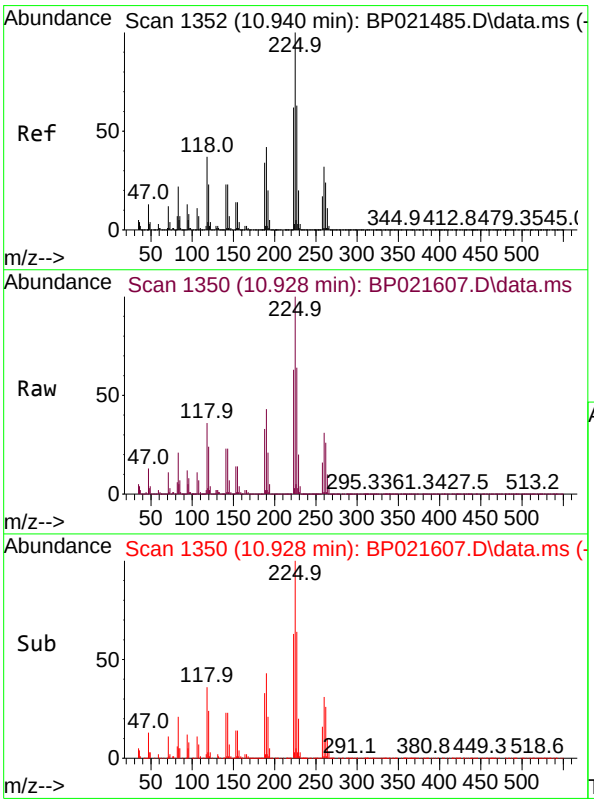
#33
4-Chloroaniline
Concen: 41.056 ng
RT: 10.740 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 1044030

Ion	Ratio	Lower	Upper
127	100		
129	32.3	24.5	36.7
65	32.0	28.9	43.3
92	23.0	19.3	28.9

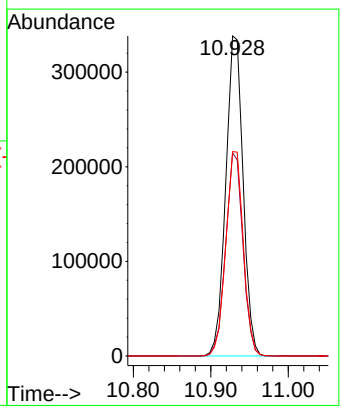


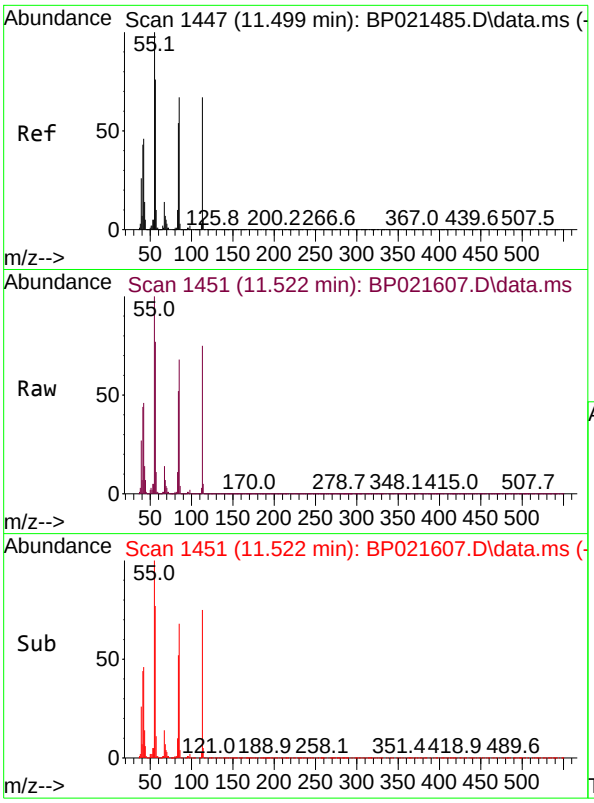


#34
Hexachlorobutadiene
Concen: 37.700 ng
RT: 10.928 min Scan# 1350
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:225 Resp: 526342

Ion	Ratio	Lower	Upper
225	100		
223	63.5	49.6	74.4
227	63.9	50.1	75.1



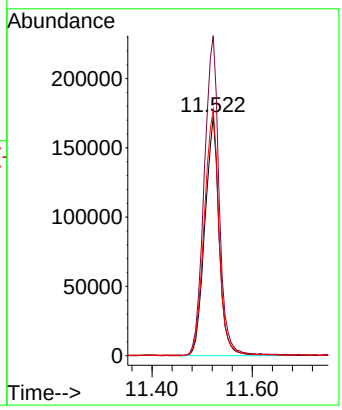


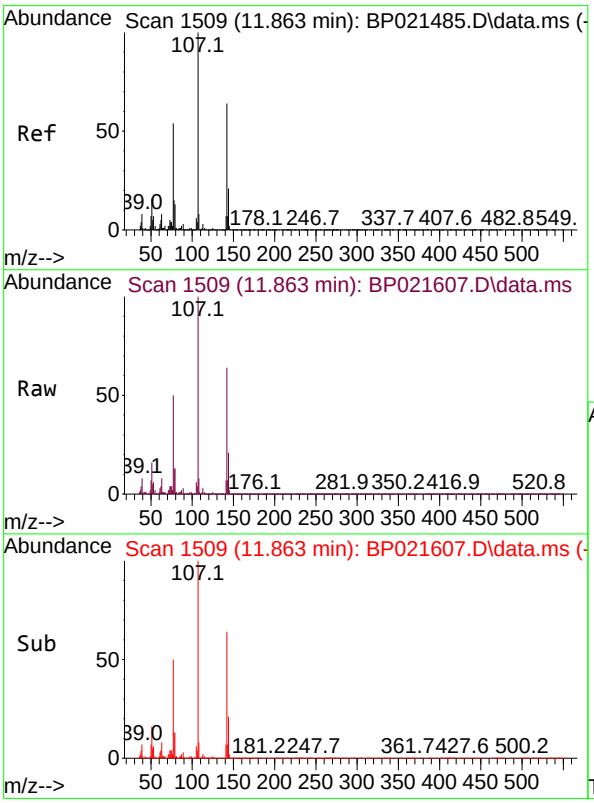
#35
Caprolactam
Concen: 47.294 ng
RT: 11.522 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 340465

Ion	Ratio	Lower	Upper
113	100		
55	133.8	130.6	170.6
56	102.8	94.6	134.6

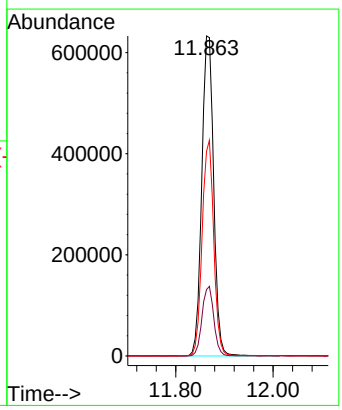


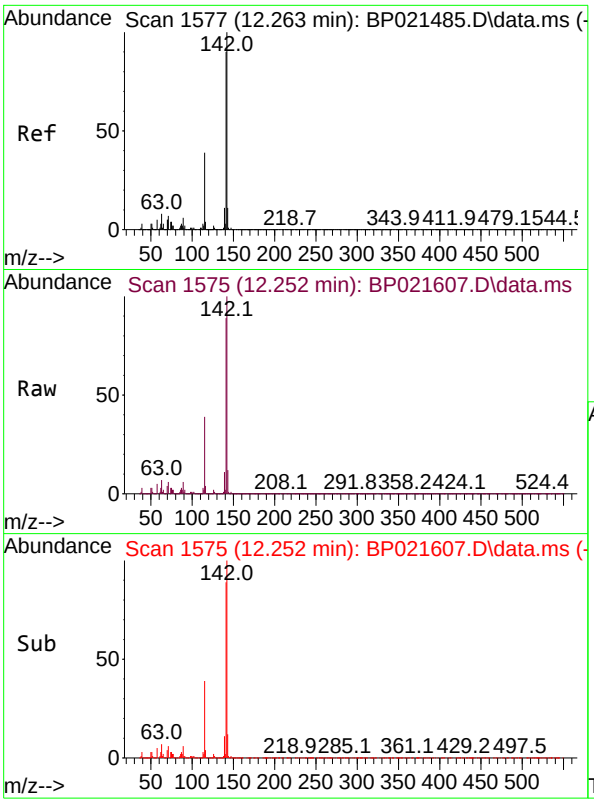


#36
4-Chloro-3-methylphenol
Concen: 44.485 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:107 Resp: 1067240

Ion	Ratio	Lower	Upper
107	100		
144	20.7	16.6	24.8
142	63.9	51.0	76.4



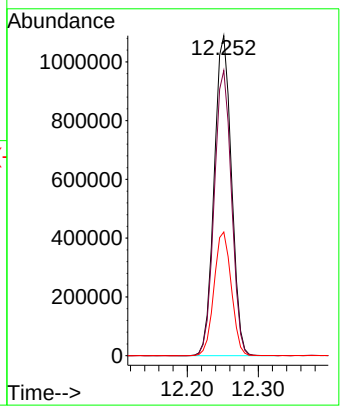


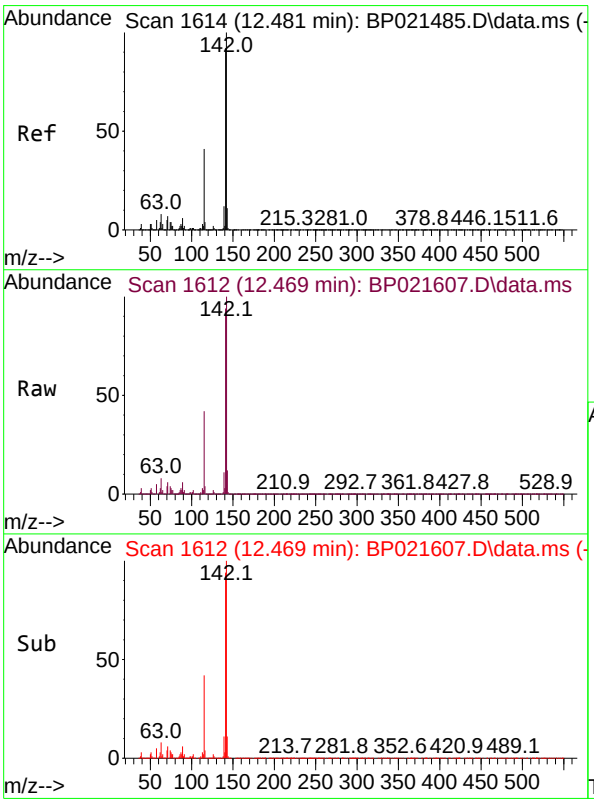
#37
2-Methylnaphthalene
Concen: 39.657 ng
RT: 12.252 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1832316

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.7	107.5
115	38.6	31.4	47.2

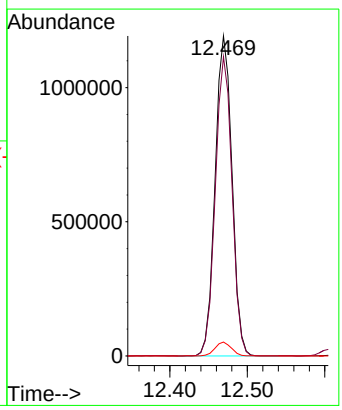


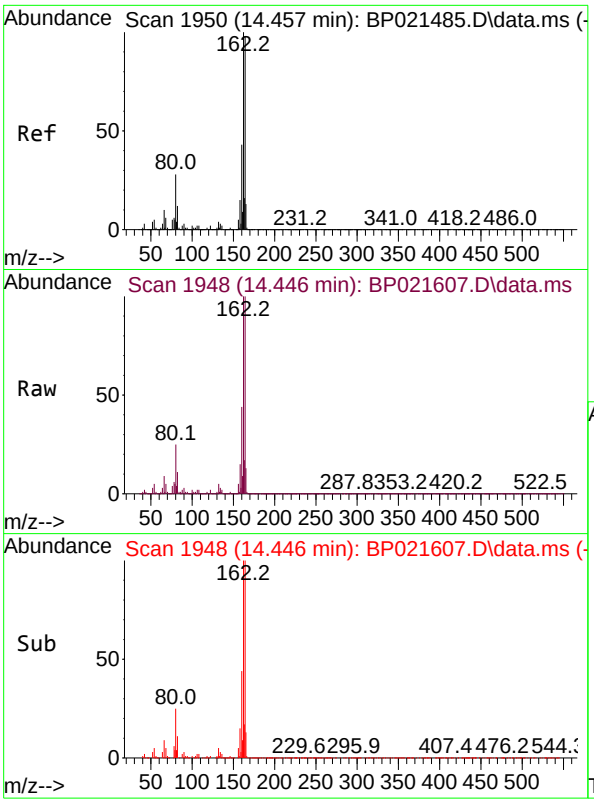


#38
1-Methylnaphthalene
Concen: 39.627 ng
RT: 12.469 min Scan# 1612
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:142 Resp: 1805763

Ion	Ratio	Lower	Upper
142	100		
141	93.5	73.5	110.3
116	4.4	3.4	5.2



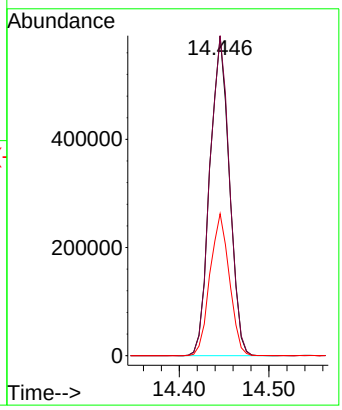


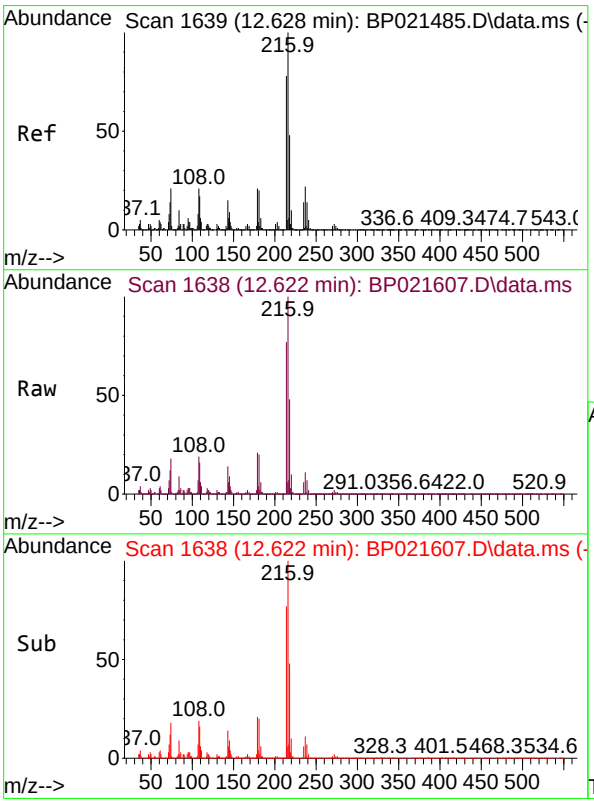
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 892605

Ion	Ratio	Lower	Upper
164	100		
162	100.1	81.5	122.3
160	44.4	35.2	52.8

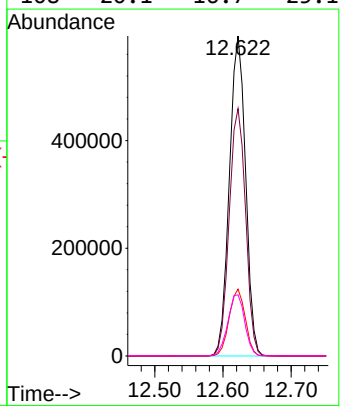


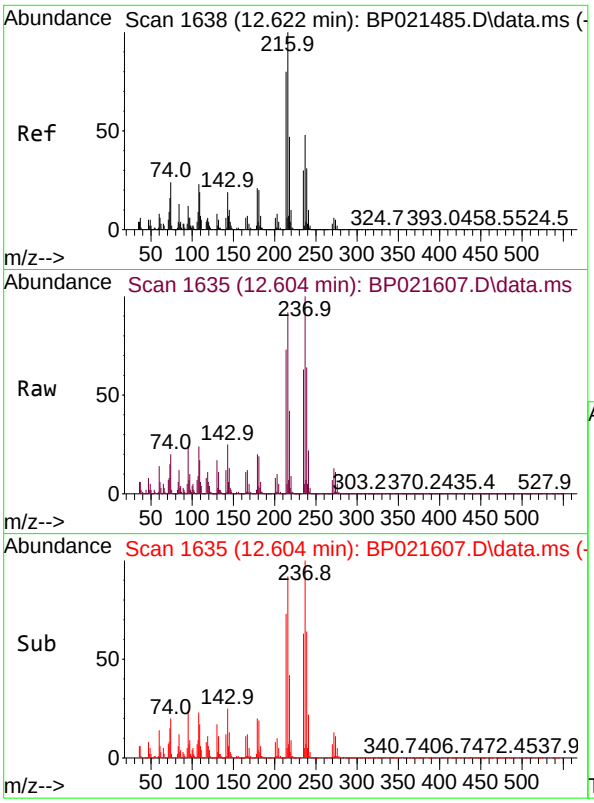


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.545 ng
RT: 12.622 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:216 Resp: 981946

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.5	93.7
179	20.8	16.4	24.6
108	20.1	16.7	25.1



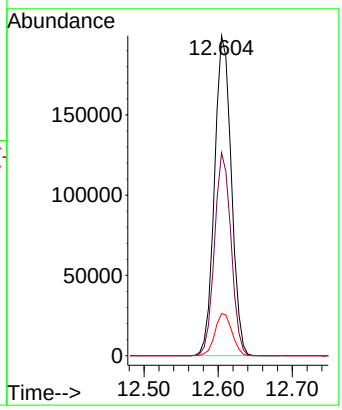


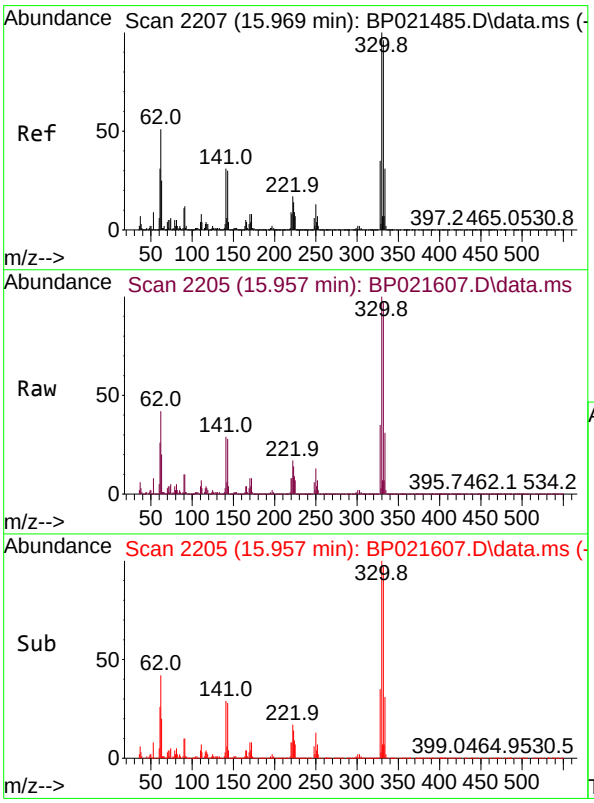
#41
Hexachlorocyclopentadiene
Concen: 37.827 ng
RT: 12.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 313547

Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.9	83.9
272	13.2	0.0	33.3

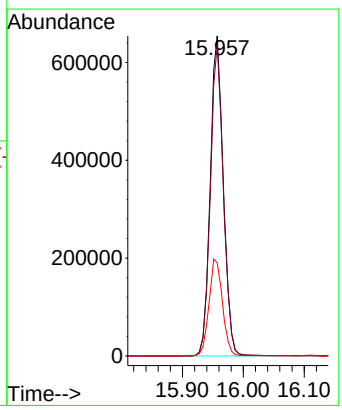


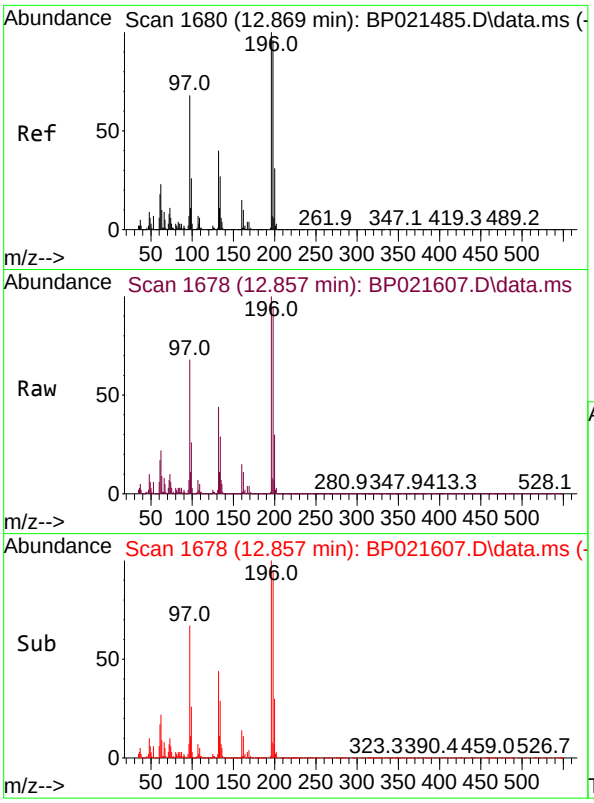


#42
2,4,6-Tribromophenol
Concen: 98.281 ng
RT: 15.957 min Scan# 2205
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:330 Resp: 976355

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.4	116.0
141	31.2	24.5	36.7



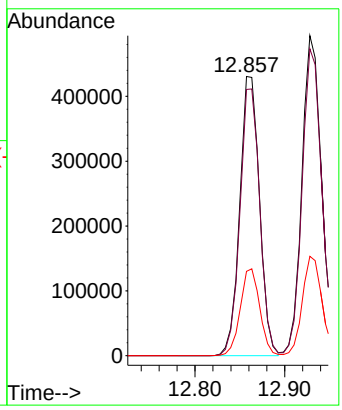


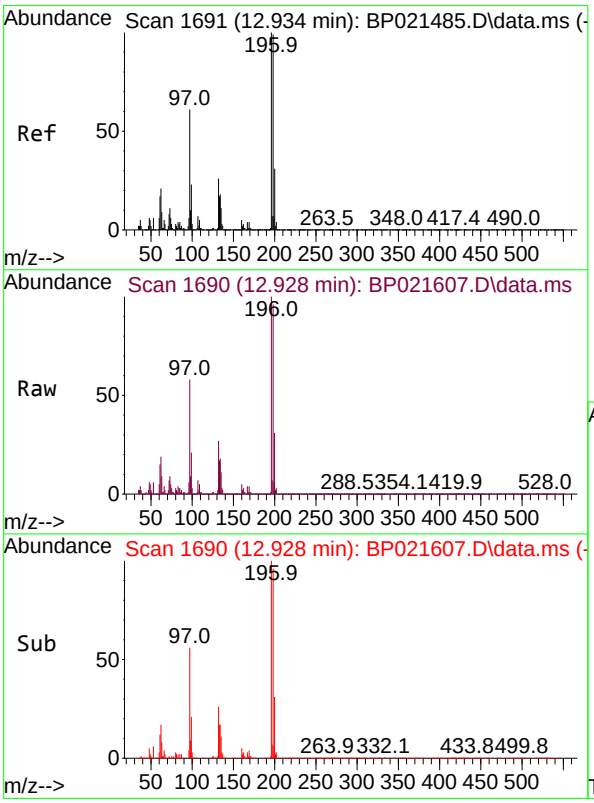
#43
2,4,6-Trichlorophenol
Concen: 45.265 ng
RT: 12.857 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 657602

Ion	Ratio	Lower	Upper
196	100		
198	95.3	76.6	114.8
200	30.2	24.5	36.7

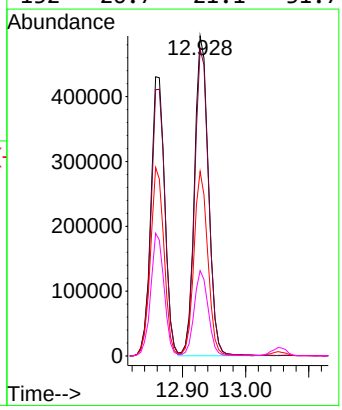


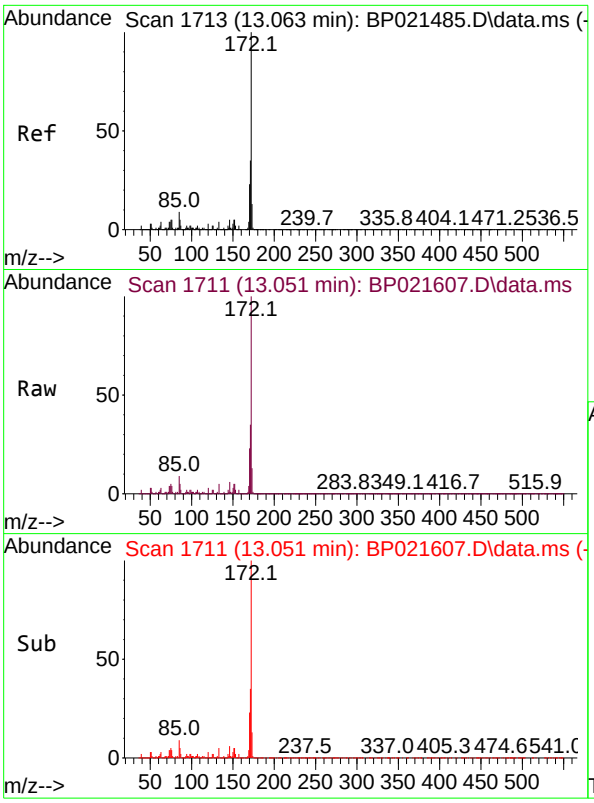


#44
2,4,5-Trichlorophenol
Concen: 46.888 ng
RT: 12.928 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:196 Resp: 756821

Ion	Ratio	Lower	Upper
196	100		
198	95.9	78.9	118.3
97	57.7	49.4	74.0
132	26.7	21.1	31.7



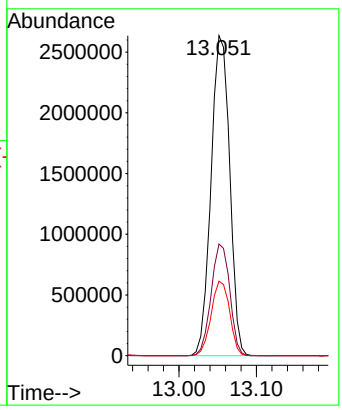


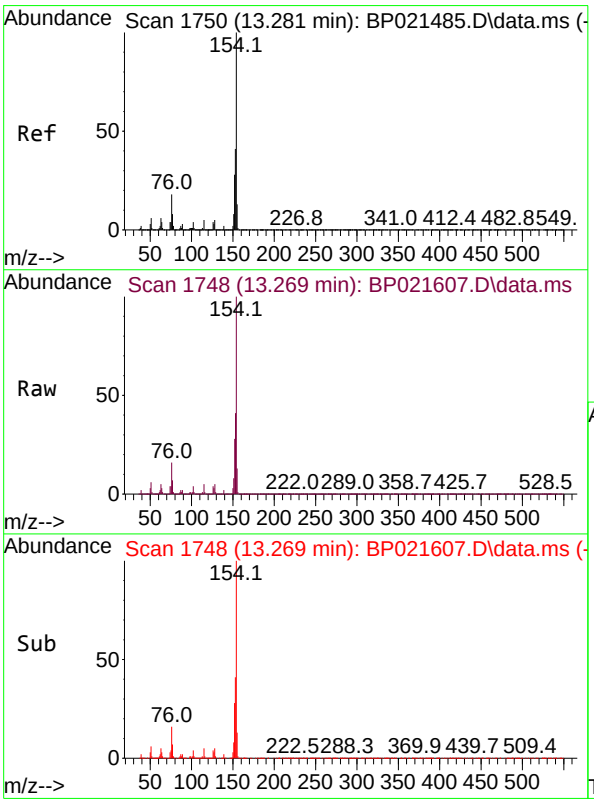
#45
2-Fluorobiphenyl
Concen: 75.251 ng
RT: 13.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 4401195

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.4
170	23.3	18.4	27.6

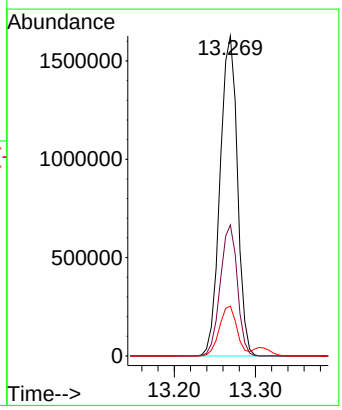


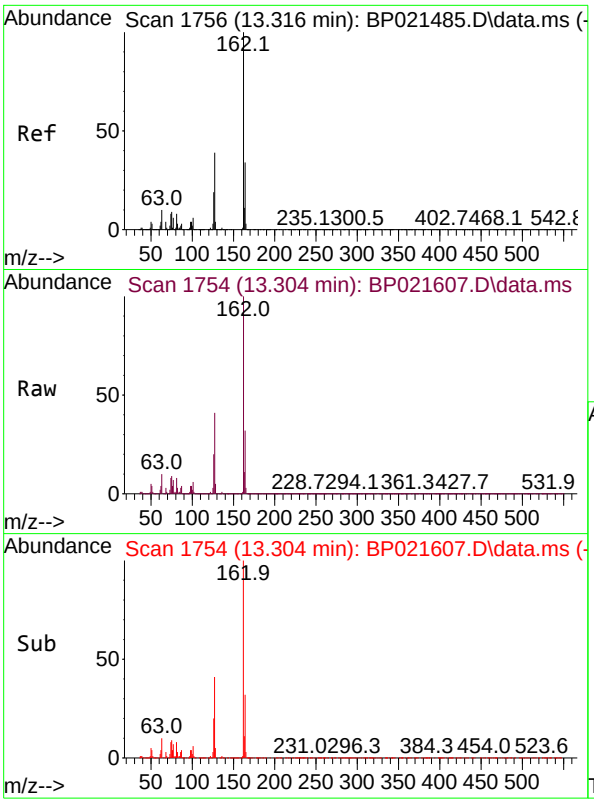


#46
1,1'-Biphenyl
Concen: 38.239 ng
RT: 13.269 min Scan# 1748
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:154 Resp: 2414888

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.7	60.7
76	15.6	0.0	37.7



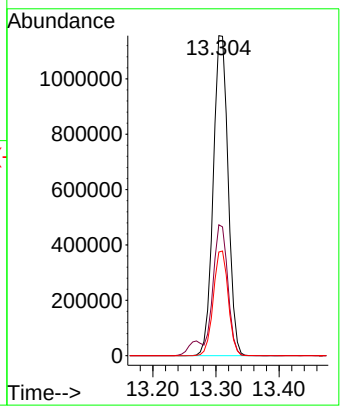


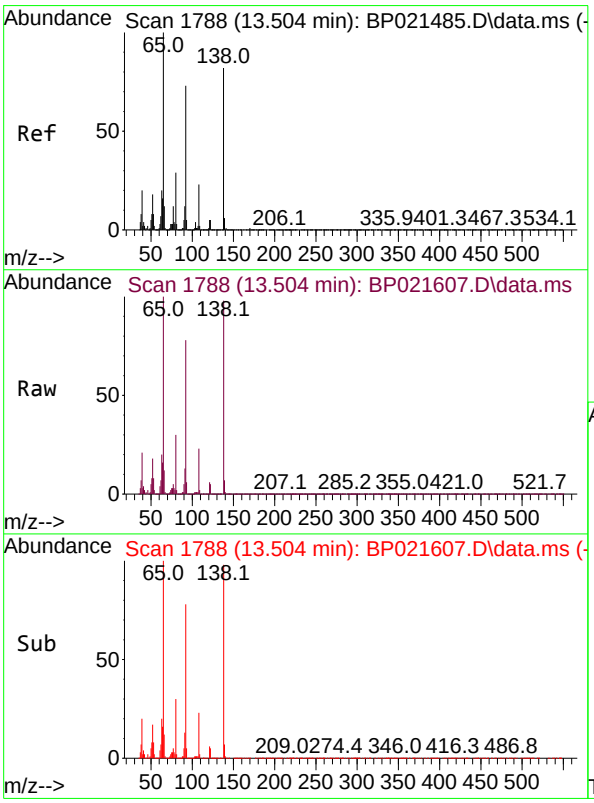
#47
2-Chloronaphthalene
Concen: 38.471 ng
RT: 13.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1891481

Ion	Ratio	Lower	Upper
162	100		
127	40.9	31.9	47.9
164	32.4	26.8	40.2

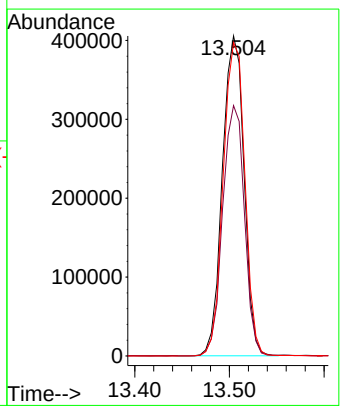


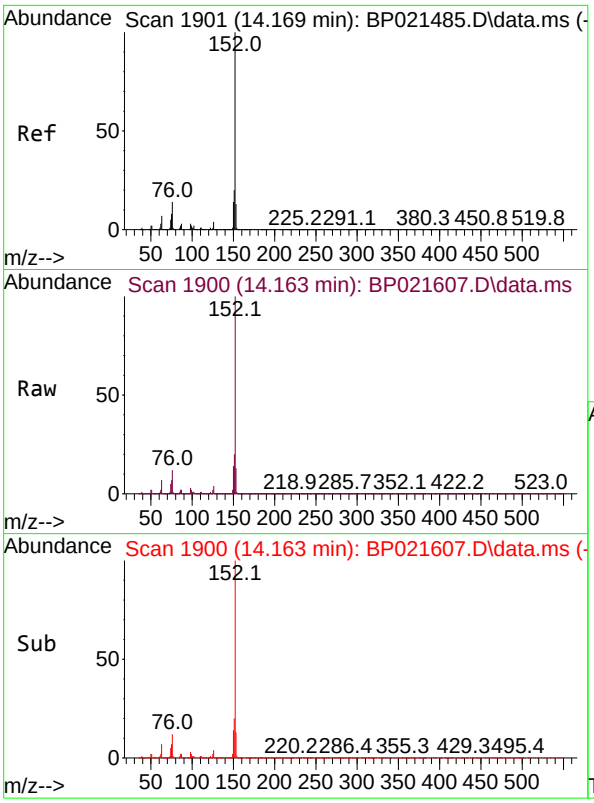


#48
2-Nitroaniline
Concen: 46.764 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion: 65 Resp: 642364

Ion	Ratio	Lower	Upper
65	100		
92	78.2	58.1	87.1
138	97.9	65.5	98.3



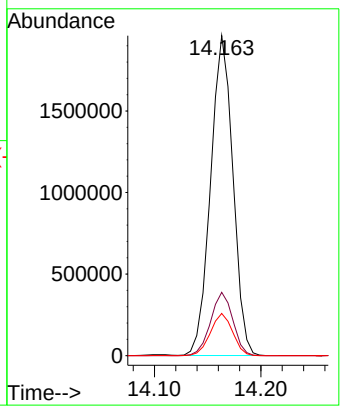


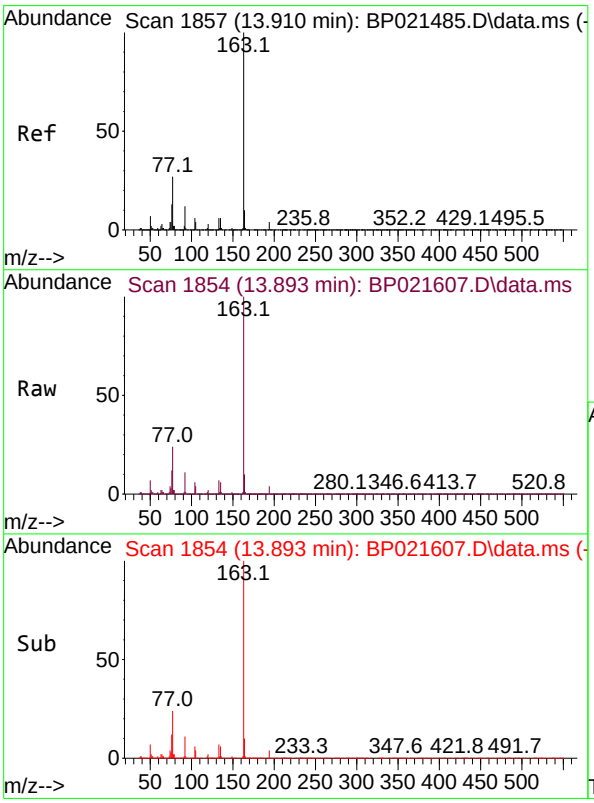
#49
Acenaphthylene
Concen: 39.567 ng
RT: 14.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 2859765

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.2	10.6	16.0

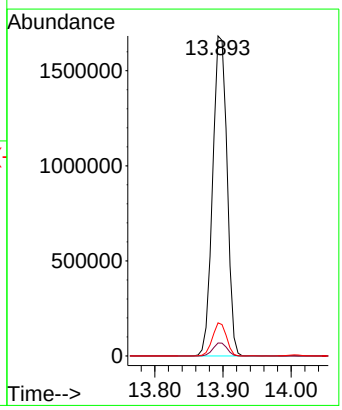


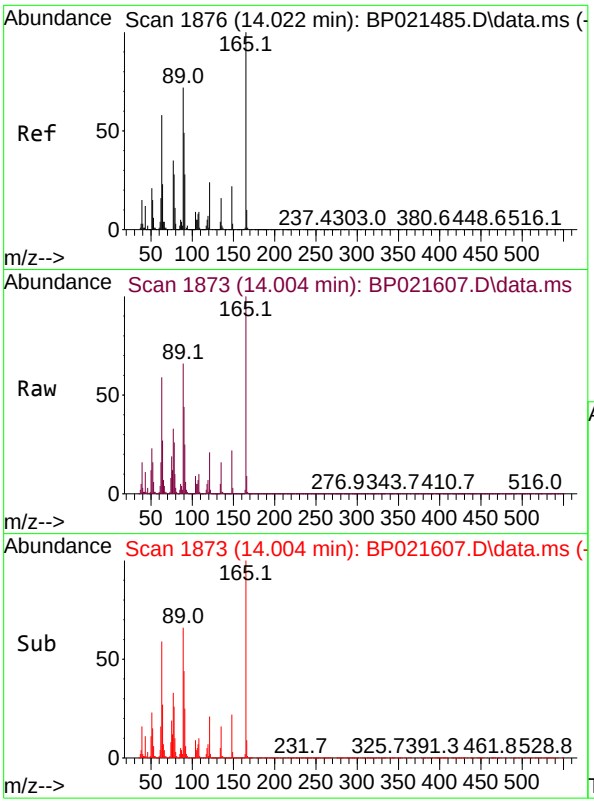


#50
Dimethylphthalate
Concen: 41.338 ng
RT: 13.893 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:163 Resp: 2471054

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.3	8.3	12.5



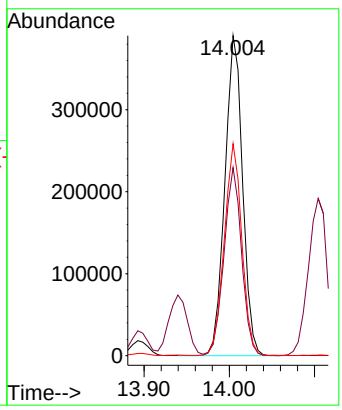


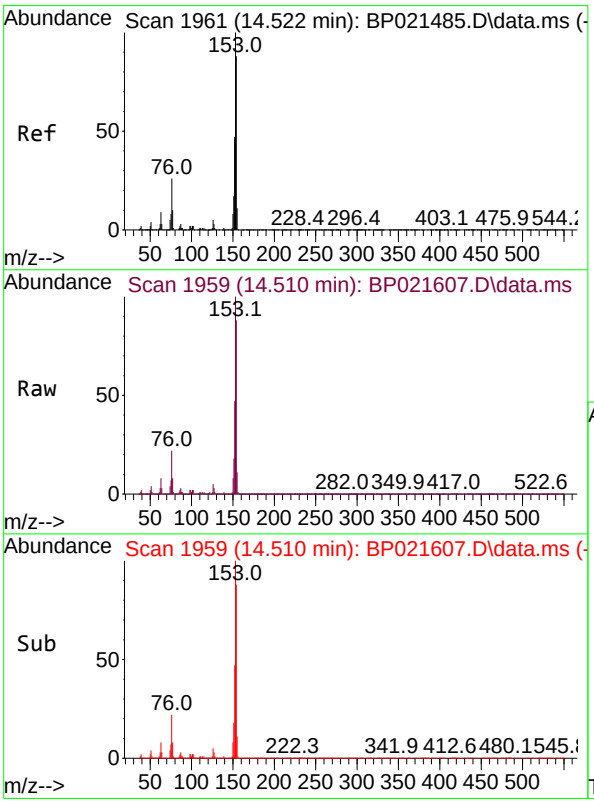
#51
2,6-Dinitrotoluene
Concen: 46.734 ng
RT: 14.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 562223

Ion	Ratio	Lower	Upper
165	100		
63	58.8	51.5	77.3
89	66.3	57.8	86.8

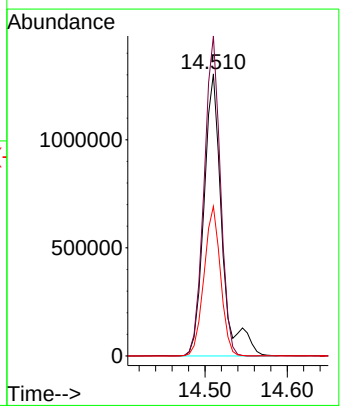


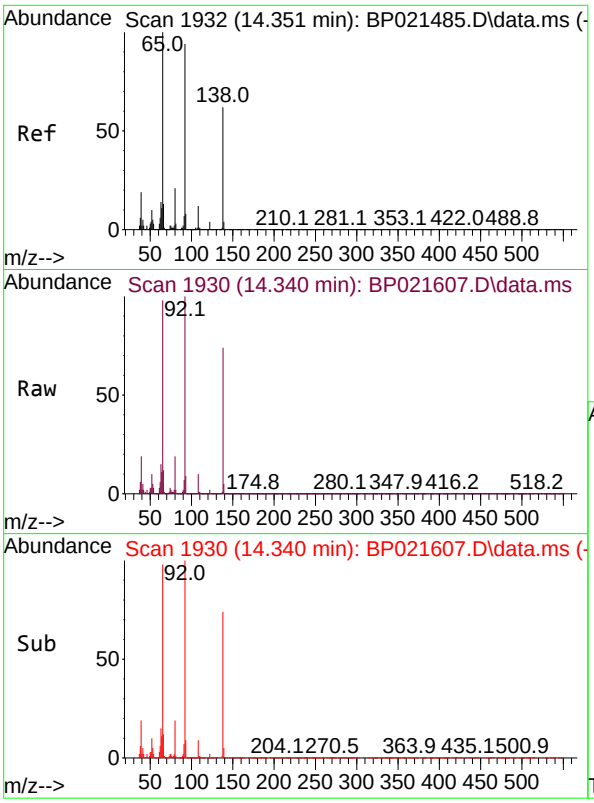


#52
Acenaphthene
Concen: 41.716 ng m
RT: 14.510 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:154 Resp: 1978337

Ion	Ratio	Lower	Upper
154	100		
153	113.4	91.1	136.7
152	53.1	43.0	64.4



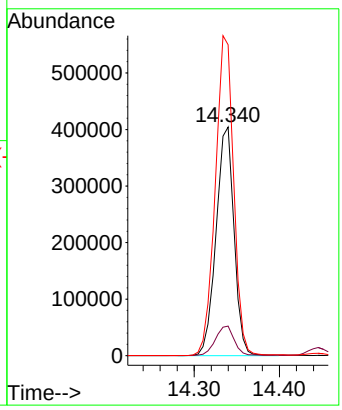


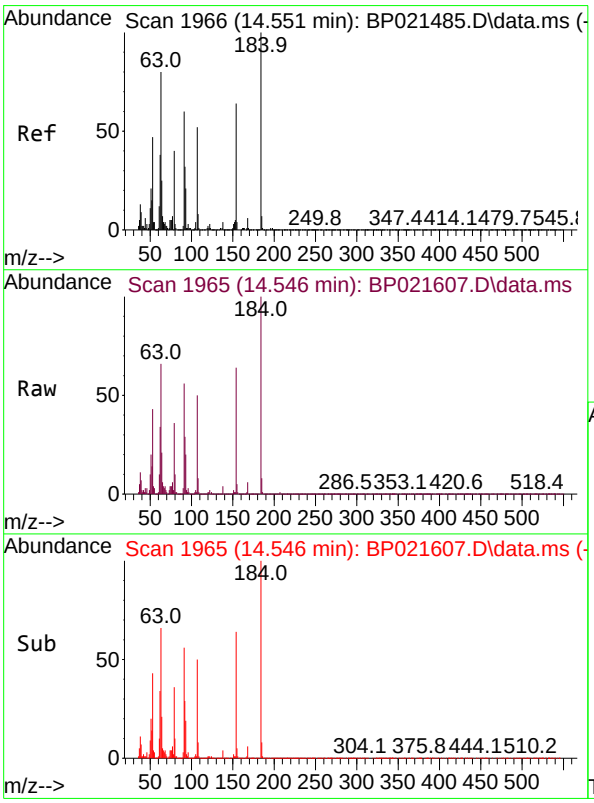
#53
3-Nitroaniline
Concen: 49.817 ng
RT: 14.340 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 592561

Ion	Ratio	Lower	Upper
138	100		
108	13.0	16.2	24.4#
92	135.9	122.2	183.4

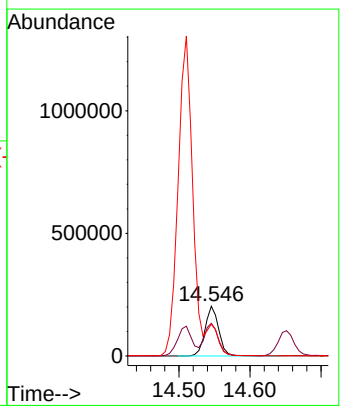


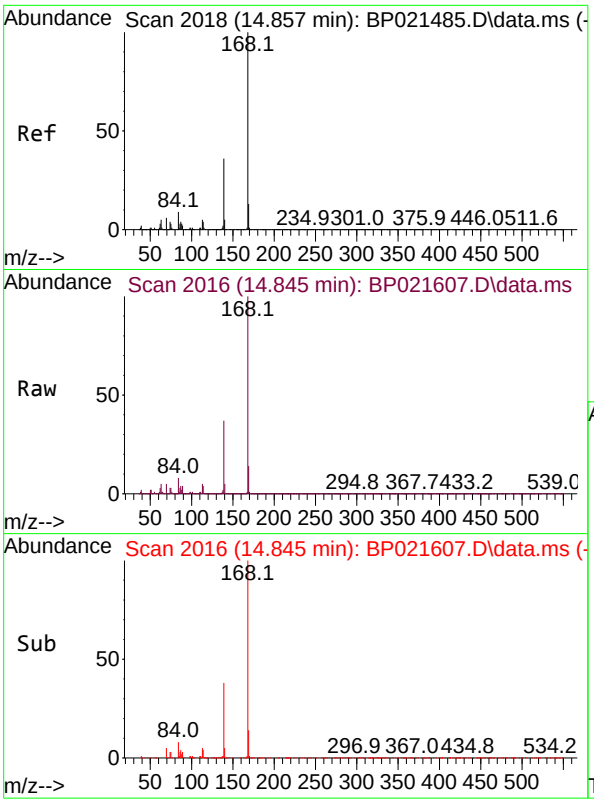


#54
2,4-Dinitrophenol
Concen: 69.291 ng
RT: 14.546 min Scan# 1965
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:184 Resp: 270205

Ion	Ratio	Lower	Upper
184	100		
63	65.7	64.9	97.3
154	63.9	52.1	78.1



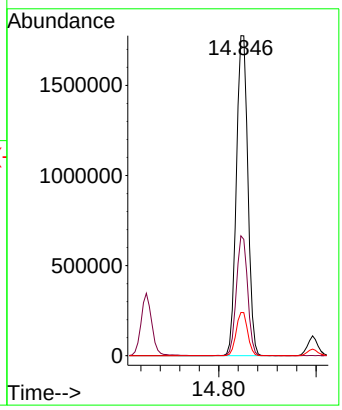


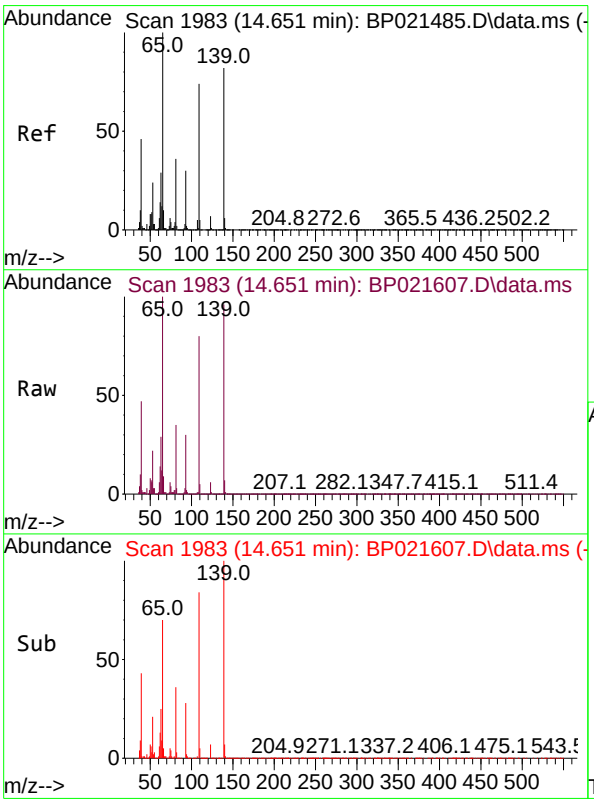
#55
Dibenzofuran
Concen: 39.555 ng
RT: 14.845 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 2885664

Ion	Ratio	Lower	Upper
168	100		
139	37.4	28.6	43.0
169	13.5	10.6	16.0

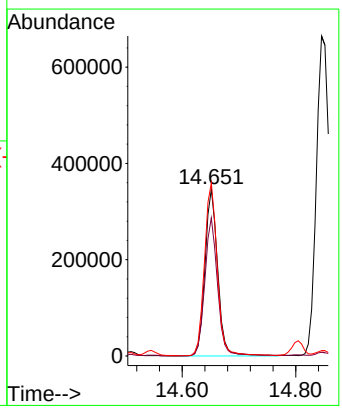


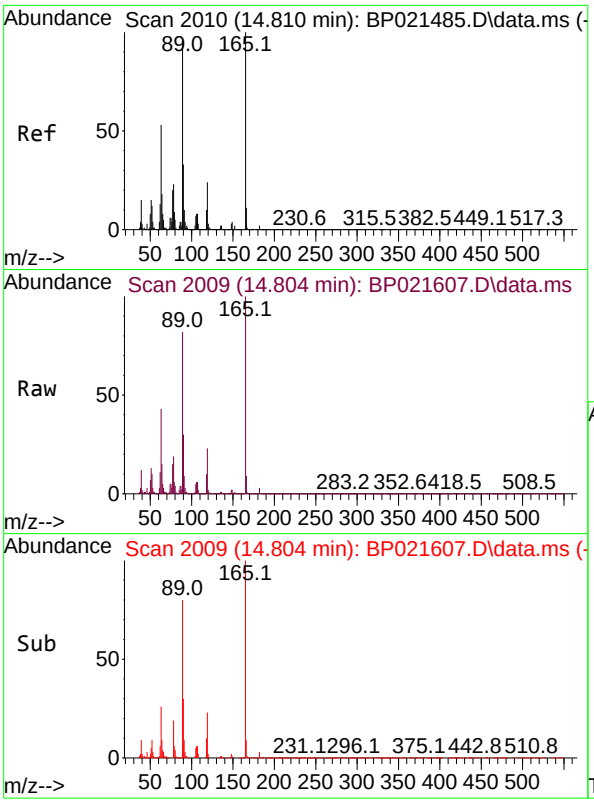


#56
4-Nitrophenol
Concen: 55.618 ng
RT: 14.651 min Scan# 1983
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:139 Resp: 535009

Ion	Ratio	Lower	Upper
139	100		
109	82.8	70.2	110.2
65	103.9	101.8	141.8



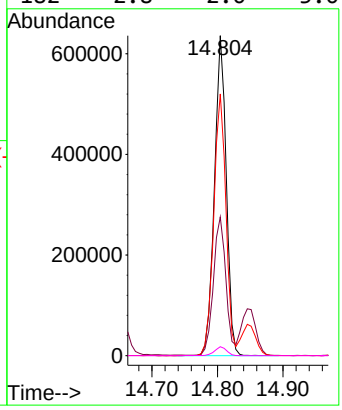


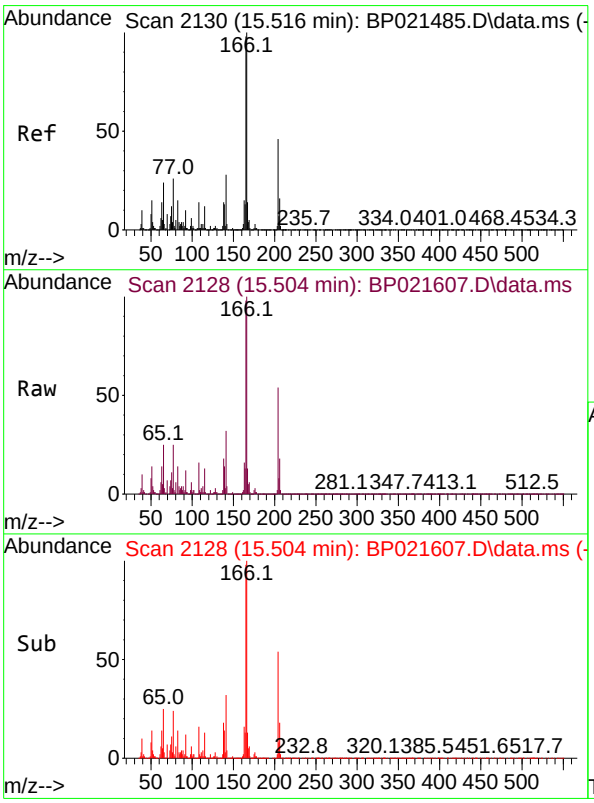
#57
2,4-Dinitrotoluene
Concen: 51.457 ng
RT: 14.804 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 795469

Ion	Ratio	Lower	Upper
165	100		
63	43.3	42.5	63.7
89	81.8	77.1	115.7
182	2.8	2.0	3.0

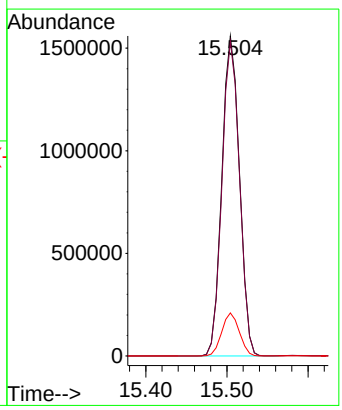


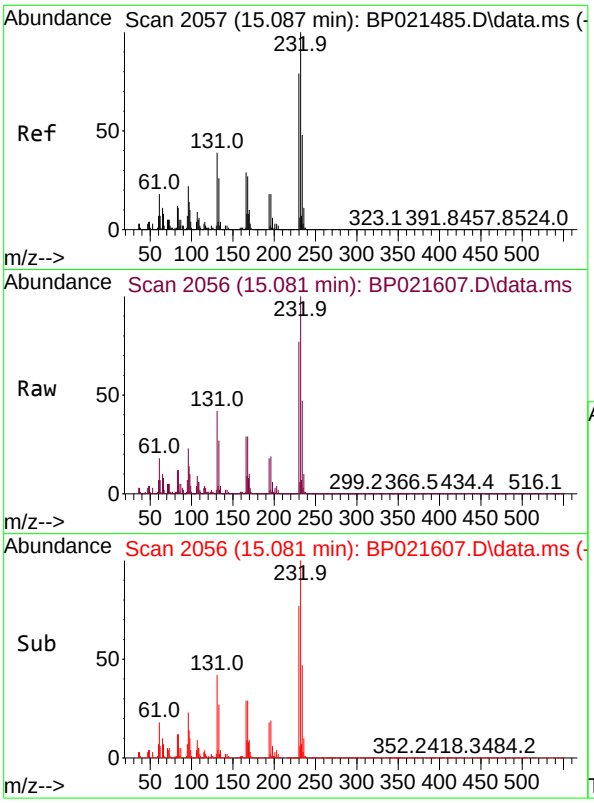


#58
Fluorene
Concen: 39.301 ng
RT: 15.504 min Scan# 2128
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:166 Resp: 2355419

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.1	117.1
167	13.4	11.0	16.4



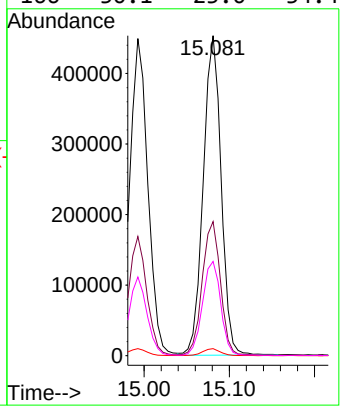


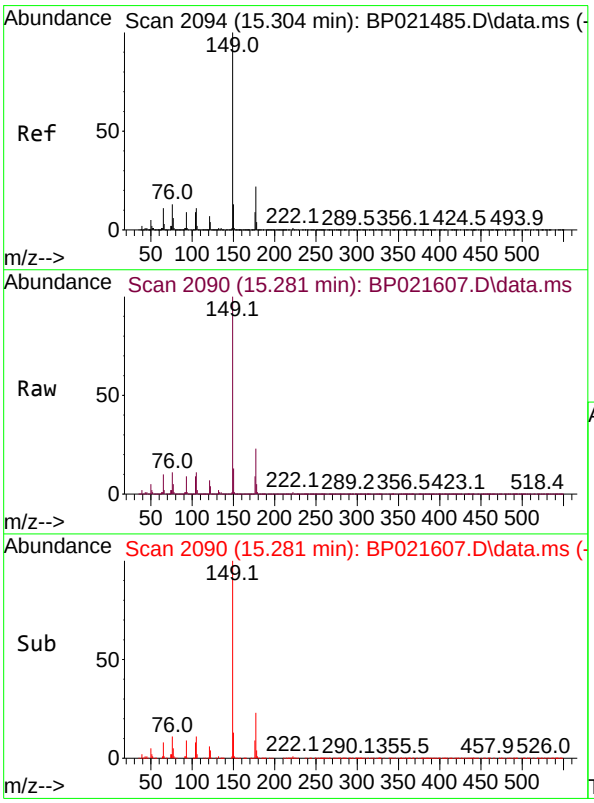
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.280 ng
RT: 15.081 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 661450

Ion	Ratio	Lower	Upper
232	100		
131	43.1	33.1	49.7
130	2.2	1.7	2.5
166	30.1	23.0	34.4

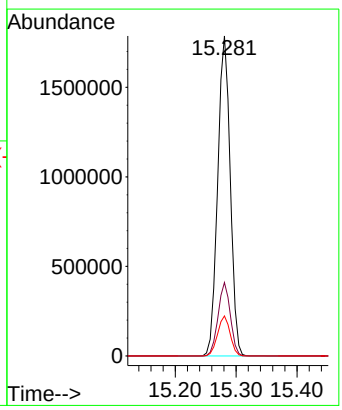


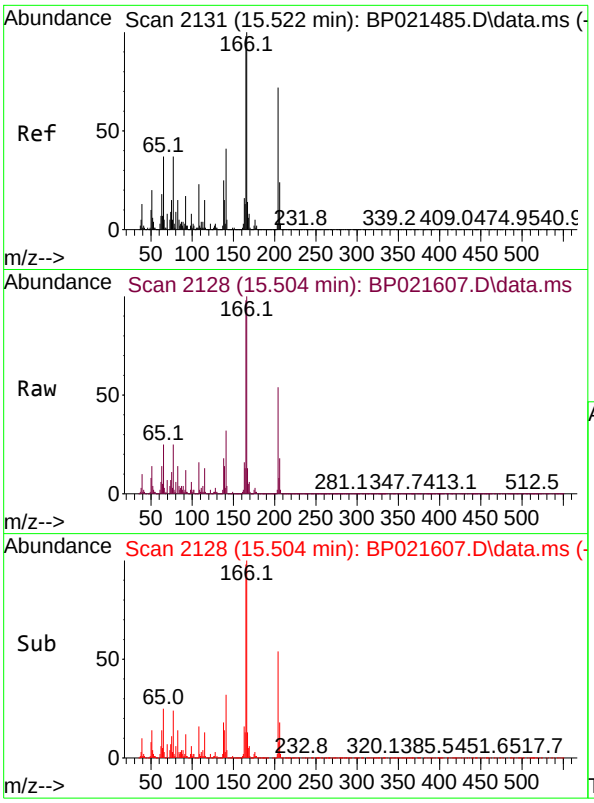


#60
Diethylphthalate
Concen: 41.628 ng
RT: 15.281 min Scan# 2090
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:149 Resp: 2553202

Ion	Ratio	Lower	Upper
149	100		
177	23.0	17.8	26.8
150	12.5	10.1	15.1



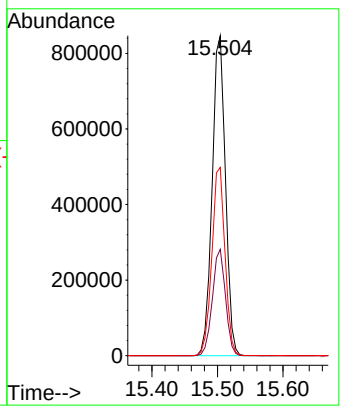


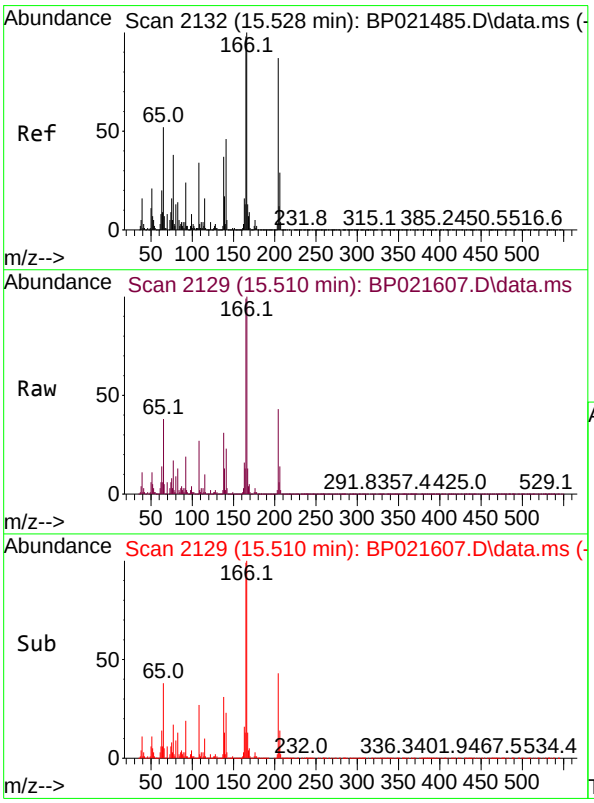
#61
4-Chlorophenyl-phenylether
Concen: 38.329 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 1187422

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.4	39.6
141	58.9	46.1	69.1

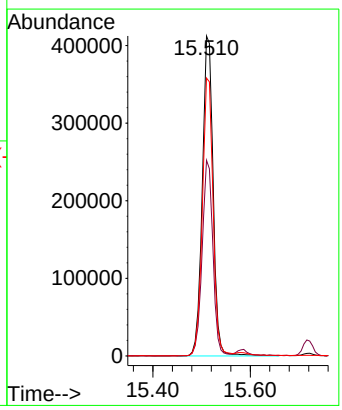


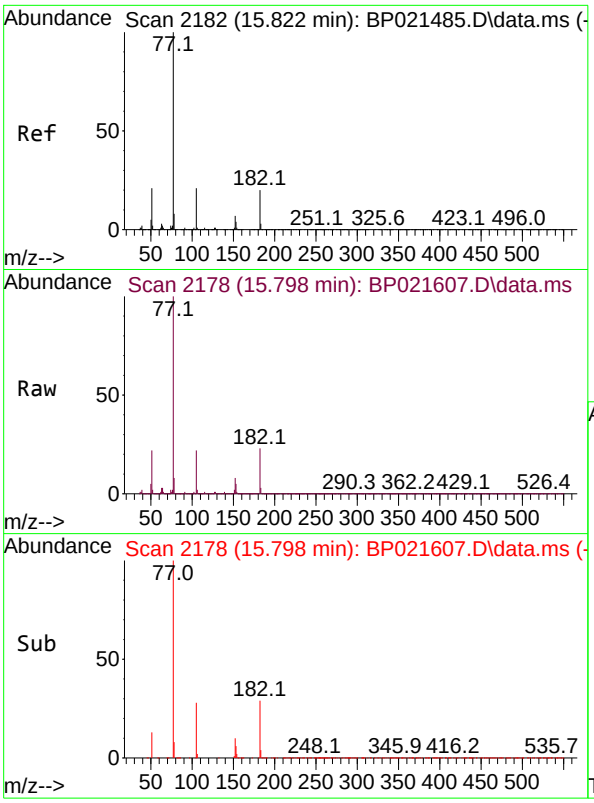


#62
4-Nitroaniline
Concen: 51.838 ng
RT: 15.510 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:138 Resp: 634770

Ion	Ratio	Lower	Upper
138	100		
92	61.2	46.4	86.4
108	86.9	73.2	113.2



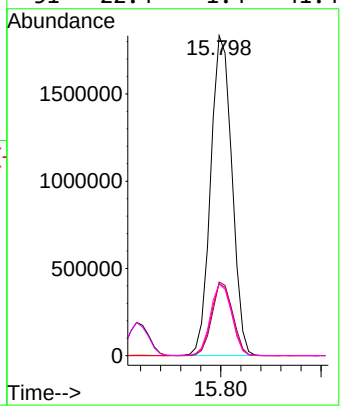


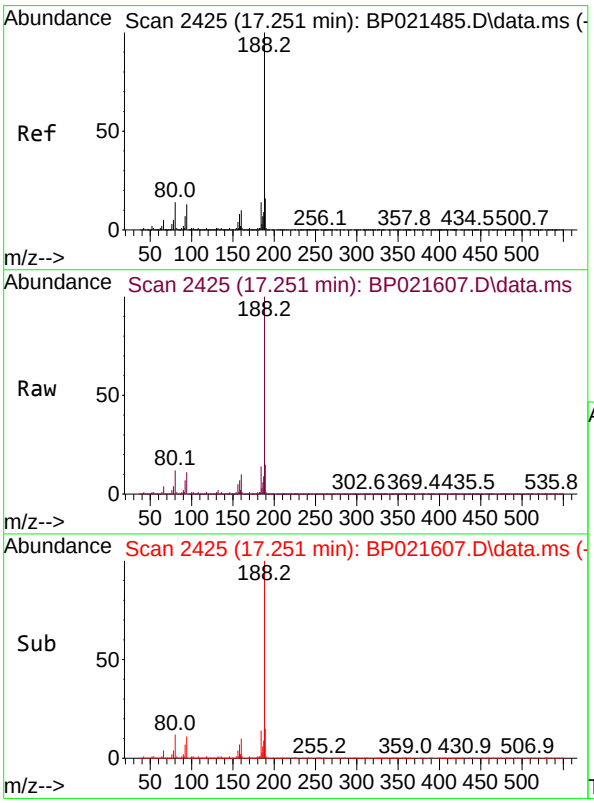
#63
Azobenzene
Concen: 35.782 ng
RT: 15.798 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 2697770

Ion	Ratio	Lower	Upper
77	100		
182	23.0	0.0	39.9
105	22.5	0.9	40.9
51	22.4	1.4	41.4

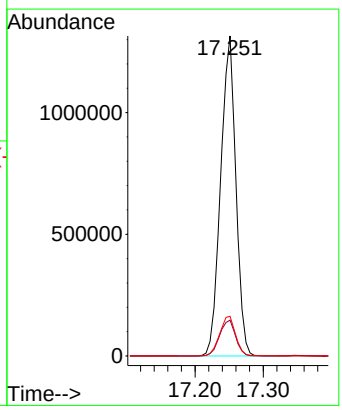


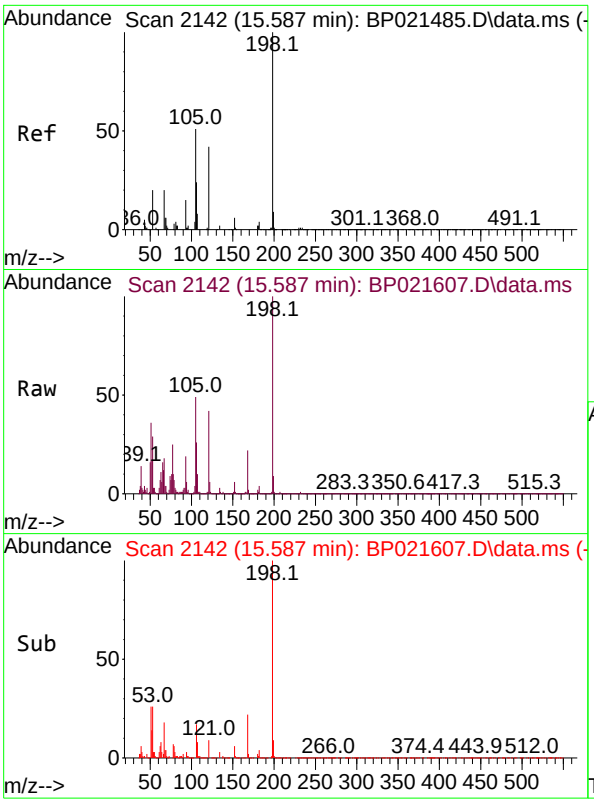


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:188 Resp: 2043670

Ion	Ratio	Lower	Upper
188	100		
94	11.2	10.2	15.4
80	12.4	11.6	17.4



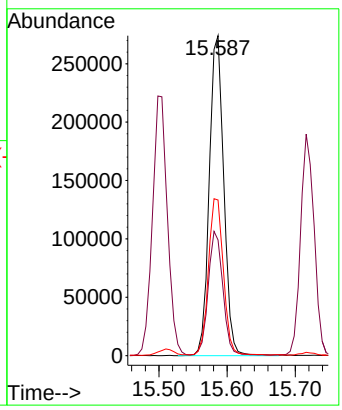


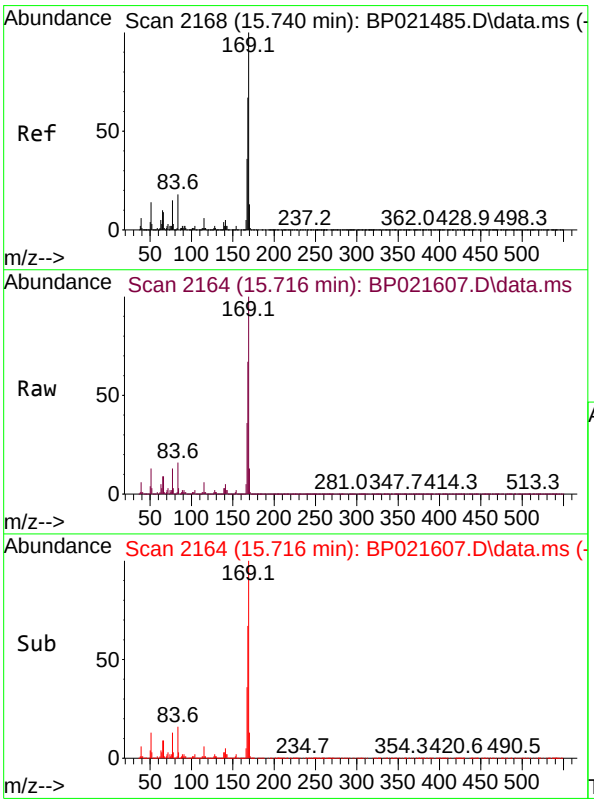
#65
4,6-Dinitro-2-methylphenol
Concen: 60.270 ng
RT: 15.587 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 405221

Ion	Ratio	Lower	Upper
198	100		
51	36.1	21.5	61.5
105	48.7	32.9	72.9

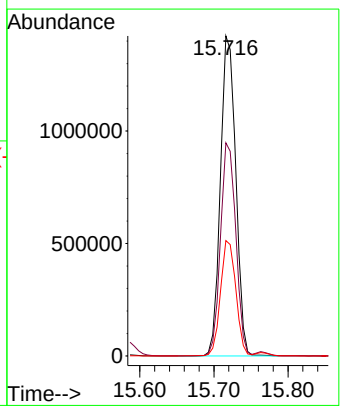


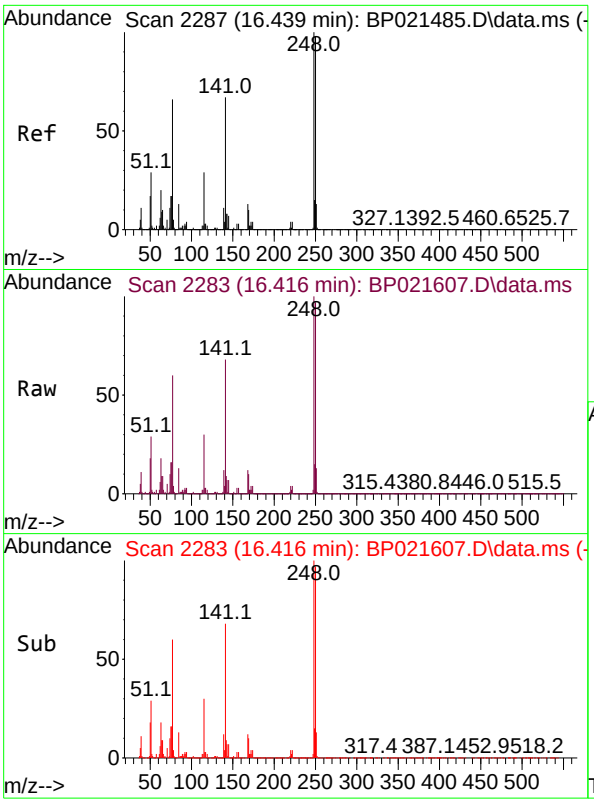


#66
n-Nitrosodiphenylamine
Concen: 37.381 ng
RT: 15.716 min Scan# 2164
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:169 Resp: 2047275

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.4	80.2
167	36.1	28.7	43.1



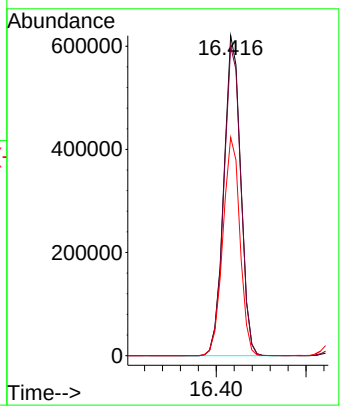


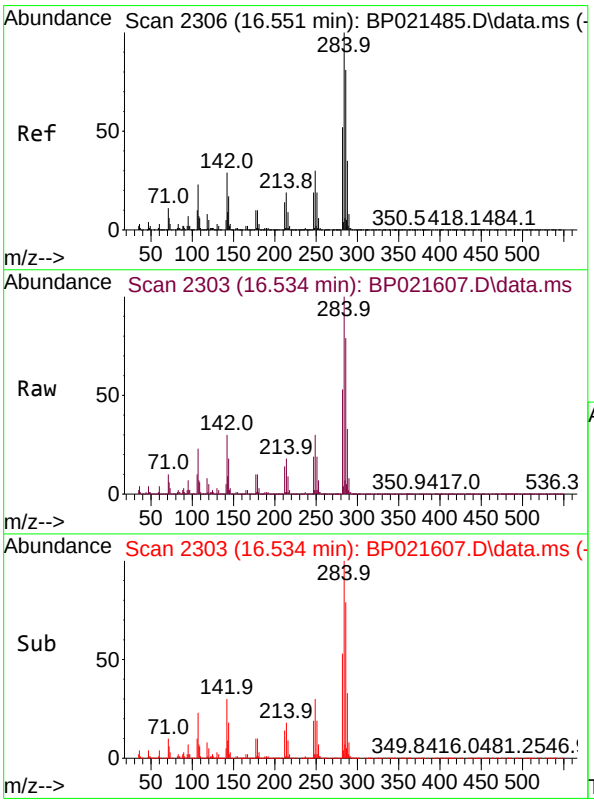
#67
4-Bromophenyl-phenylether
Concen: 37.349 ng
RT: 16.416 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 807844

Ion	Ratio	Lower	Upper
248	100		
250	96.6	78.6	117.8
141	68.3	53.9	80.9

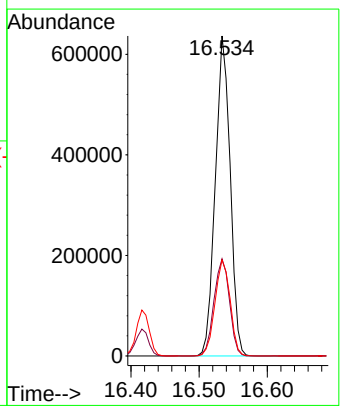


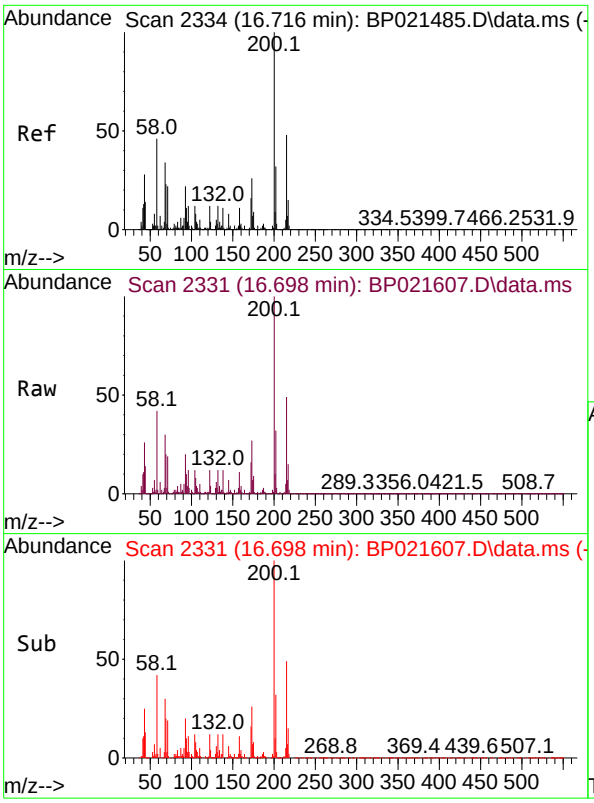


#68
Hexachlorobenzene
Concen: 37.754 ng
RT: 16.534 min Scan# 2303
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:284 Resp: 965015

Ion	Ratio	Lower	Upper
284	100		
142	30.4	23.4	35.2
249	30.0	24.1	36.1



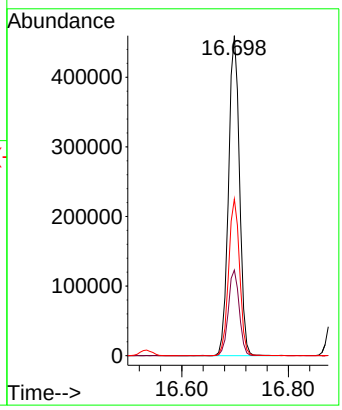


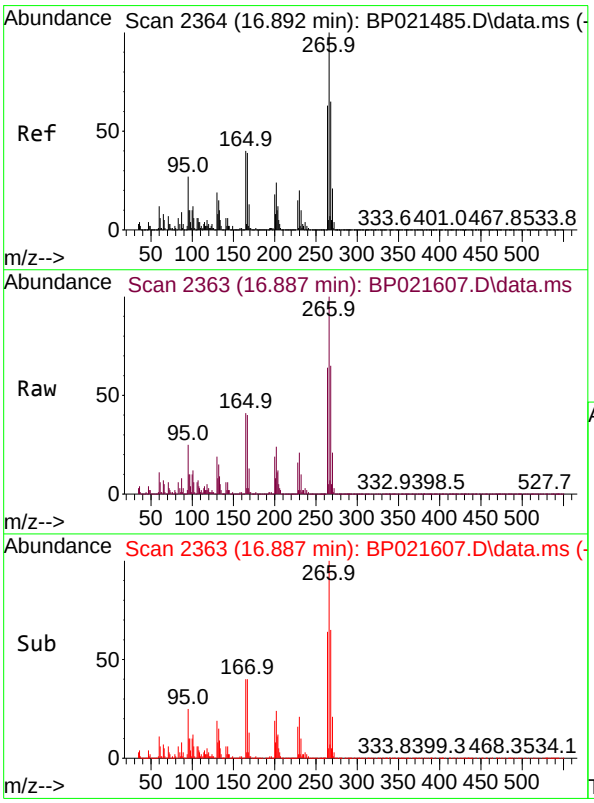
#69
Atrazine
Concen: 34.994 ng
RT: 16.698 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 658003

Ion	Ratio	Lower	Upper
200	100		
173	26.8	6.2	46.2
215	49.0	28.4	68.4

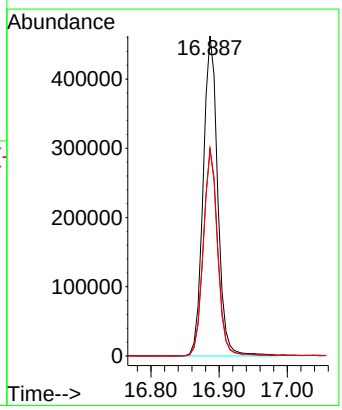


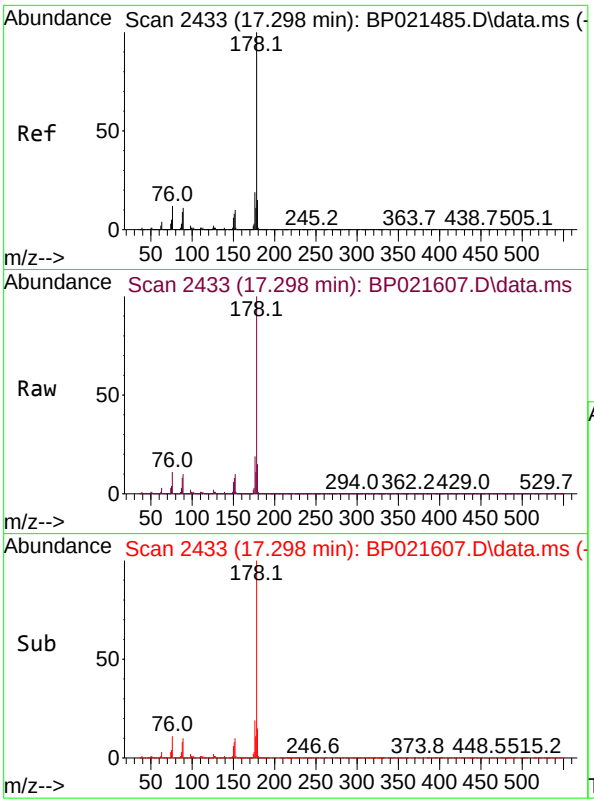


#70
Pentachlorophenol
Concen: 49.218 ng
RT: 16.887 min Scan# 2363
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:266 Resp: 686649

Ion	Ratio	Lower	Upper
266	100		
268	64.8	51.8	77.6
264	64.4	50.5	75.7



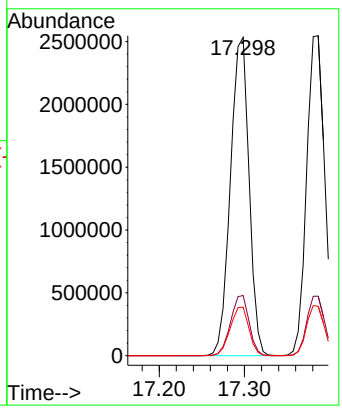


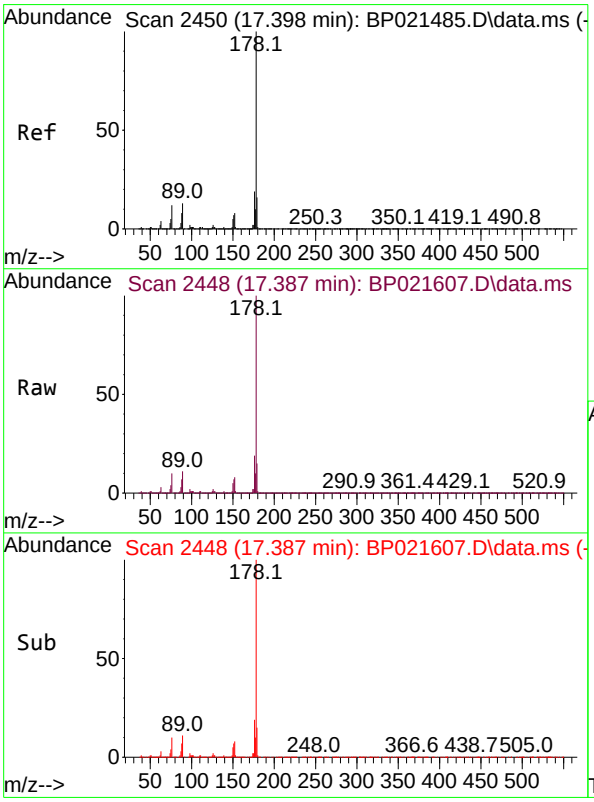
#71
Phenanthrene
Concen: 39.131 ng
RT: 17.298 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 3845941

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.2	12.4	18.6

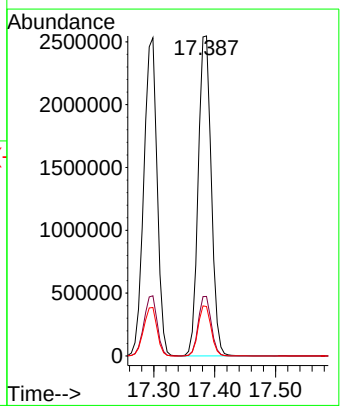


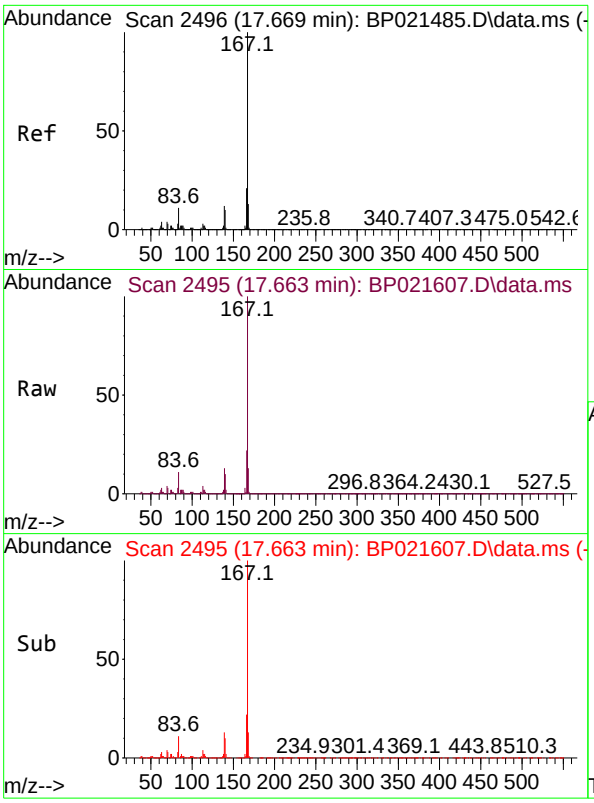


#72
Anthracene
Concen: 39.254 ng
RT: 17.387 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:178 Resp: 3783669

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.4	12.5	18.7



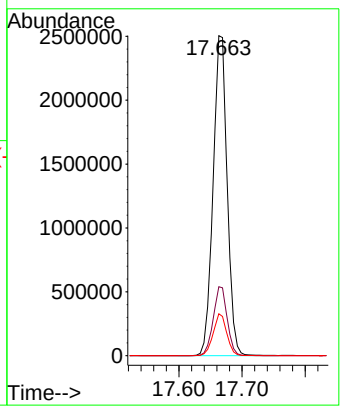


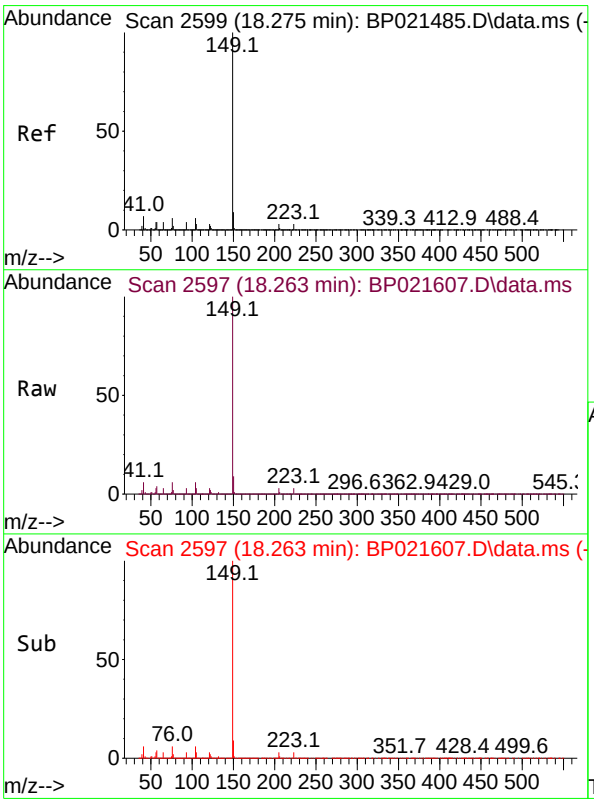
#73
Carbazole
Concen: 41.693 ng
RT: 17.663 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 3872999

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.4
139	13.1	9.9	14.9

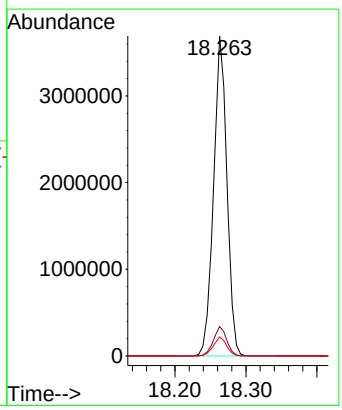


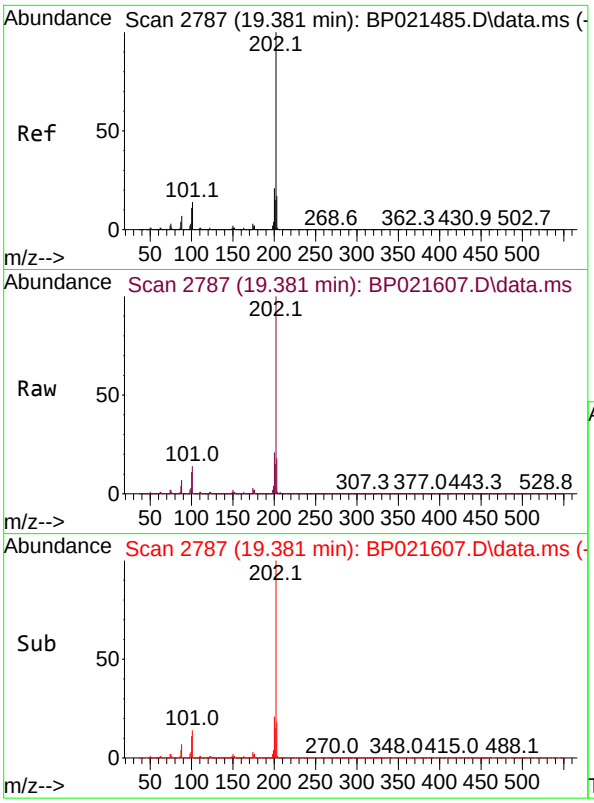


#74
Di-n-butylphthalate
Concen: 42.043 ng
RT: 18.263 min Scan# 2597
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:149 Resp: 4796454

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	5.9	4.9	7.3



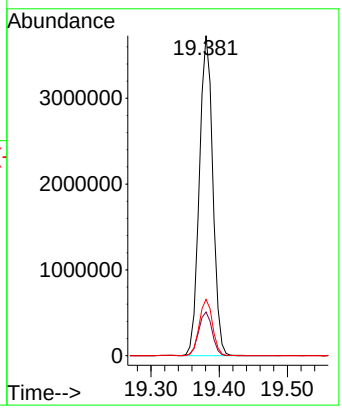


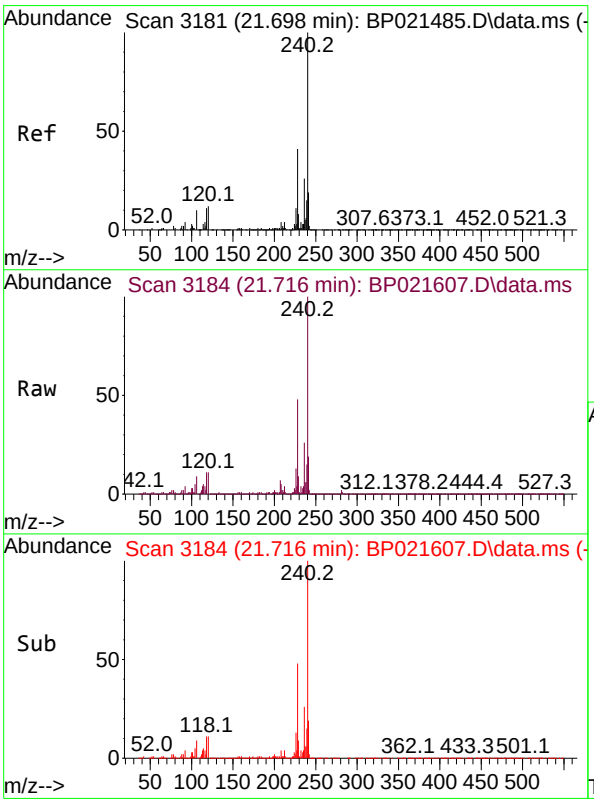
#75
Fluoranthene
Concen: 42.357 ng
RT: 19.381 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 5107958

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.0
203	17.6	0.0	37.5

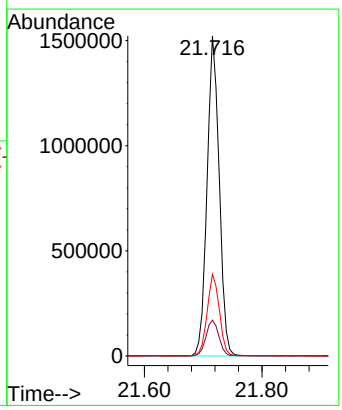


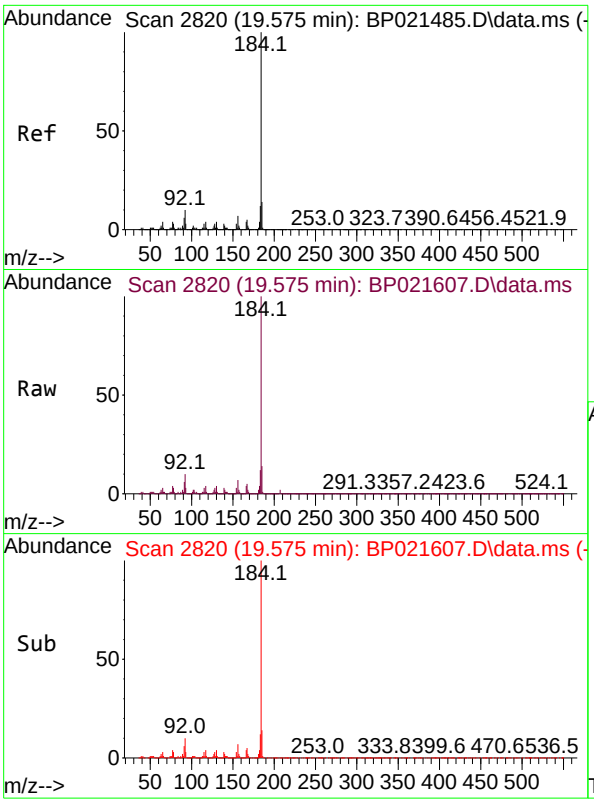


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.716 min Scan# 3184
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:240 Resp: 2177757

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.9	14.9
236	25.6	20.6	30.8



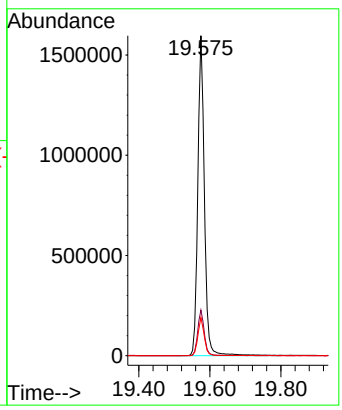


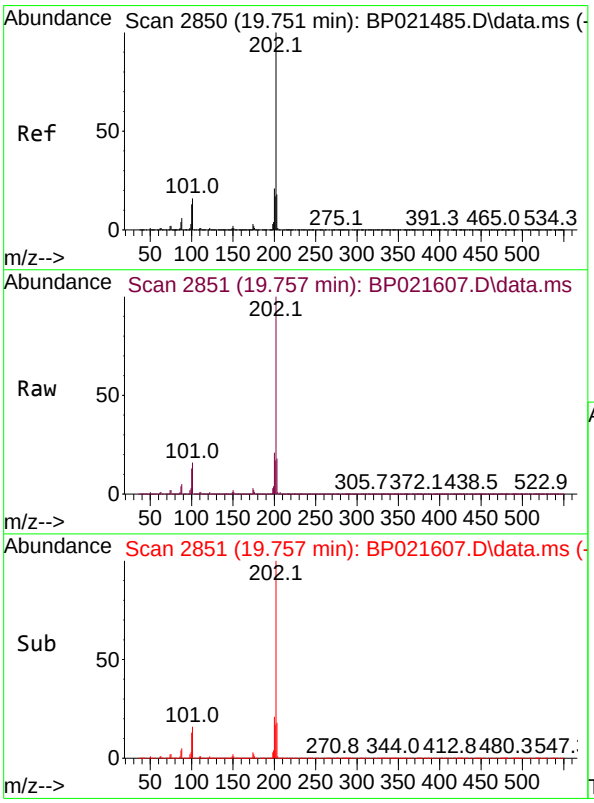
#77
Benzidine
Concen: 40.898 ng
RT: 19.575 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 2070199

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.9	9.3	13.9

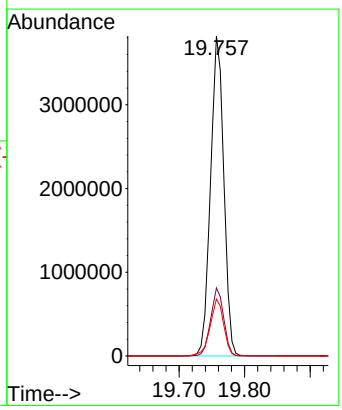


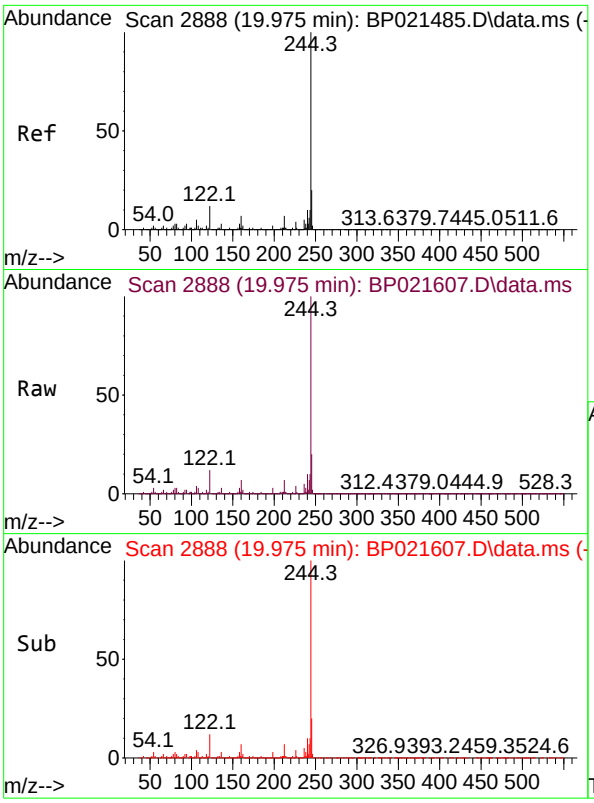


#78
Pyrene
Concen: 37.717 ng
RT: 19.757 min Scan# 2851
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:202 Resp: 5368768

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.8	14.1	21.1



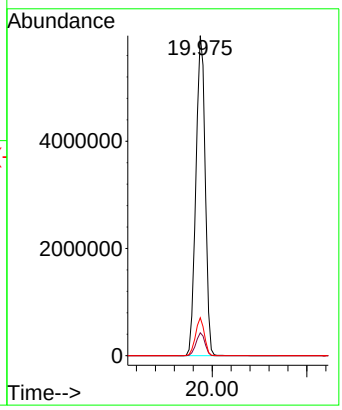


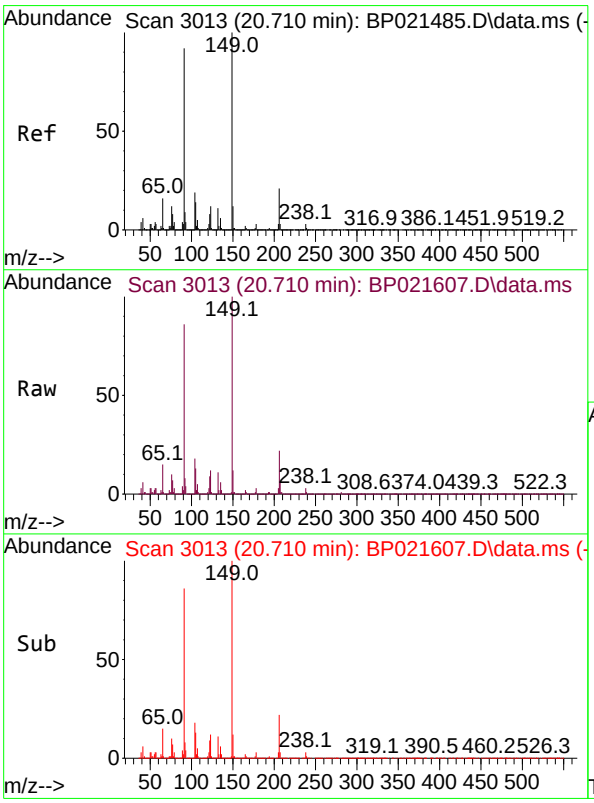
#79
Terphenyl-d14
Concen: 72.522 ng
RT: 19.975 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 8129554

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	11.9	9.4	14.2

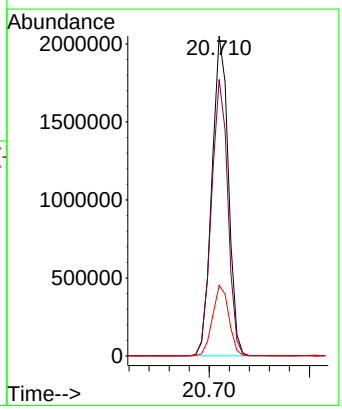


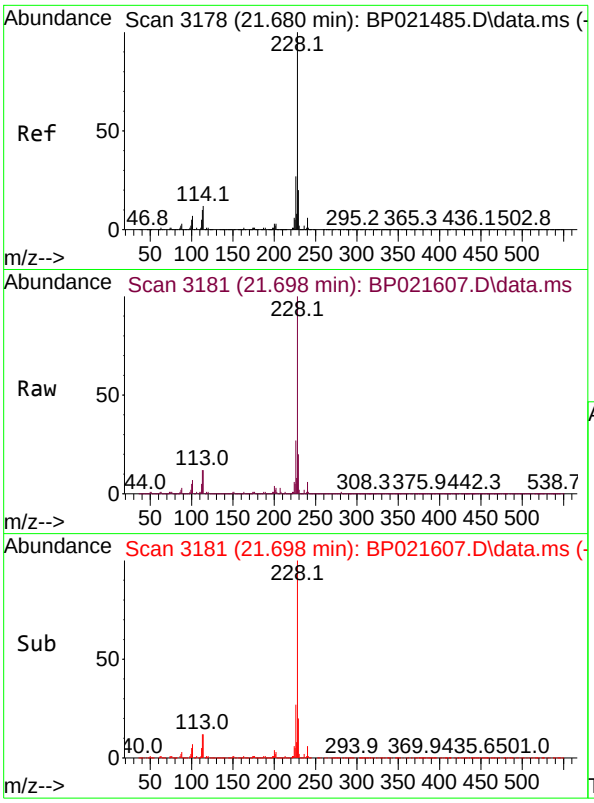


#80
Butylbenzylphthalate
Concen: 43.488 ng
RT: 20.710 min Scan# 3013
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:149 Resp: 2329583

Ion	Ratio	Lower	Upper
149	100		
91	86.4	73.3	109.9
206	22.1	17.1	25.7



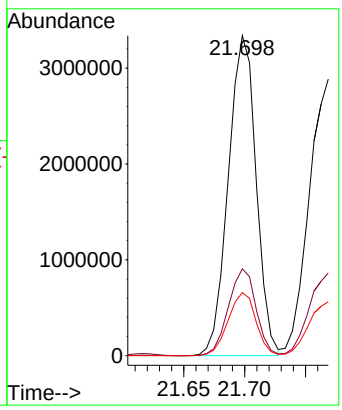


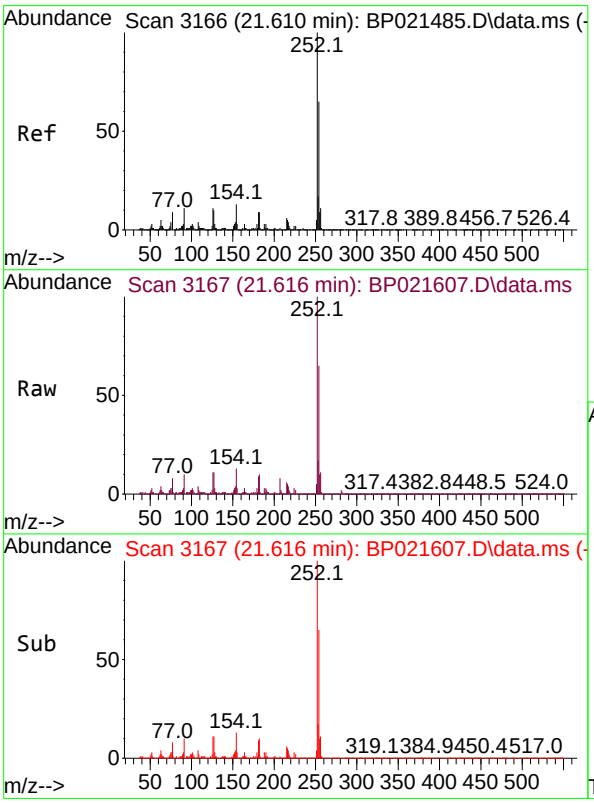
#81
Benzo(a)anthracene
Concen: 38.750 ng
RT: 21.698 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 5297512

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.4	32.2
229	19.7	15.8	23.6

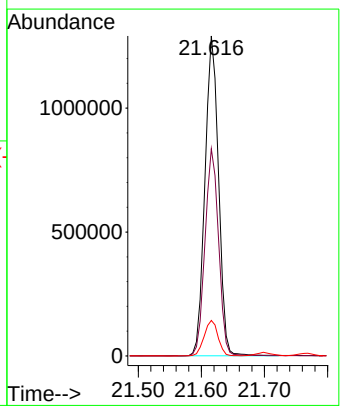


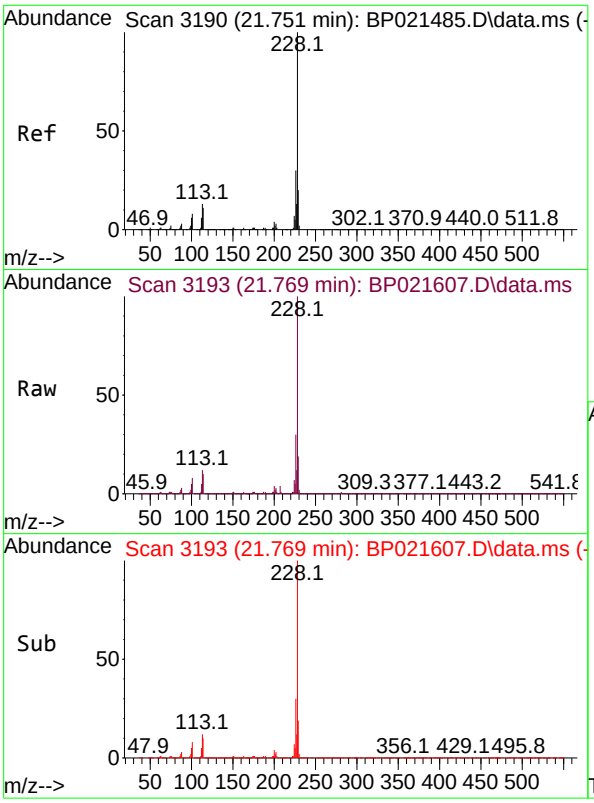


#82
3,3'-Dichlorobenzidine
Concen: 44.144 ng
RT: 21.616 min Scan# 3167
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:252 Resp: 1934960

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.7	77.5
126	11.1	8.7	13.1



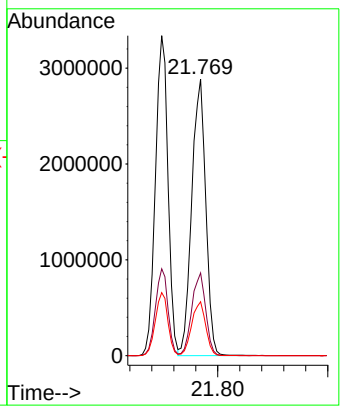


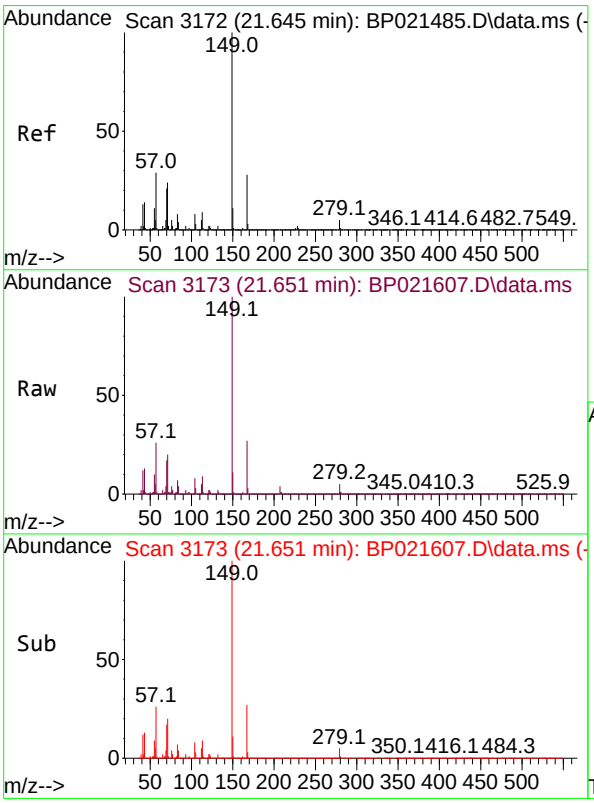
#83
Chrysene
Concen: 39.552 ng
RT: 21.769 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 5105201

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.5	15.8	23.6

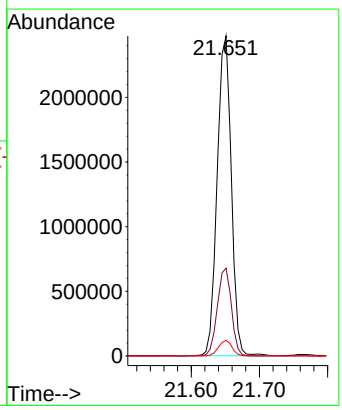


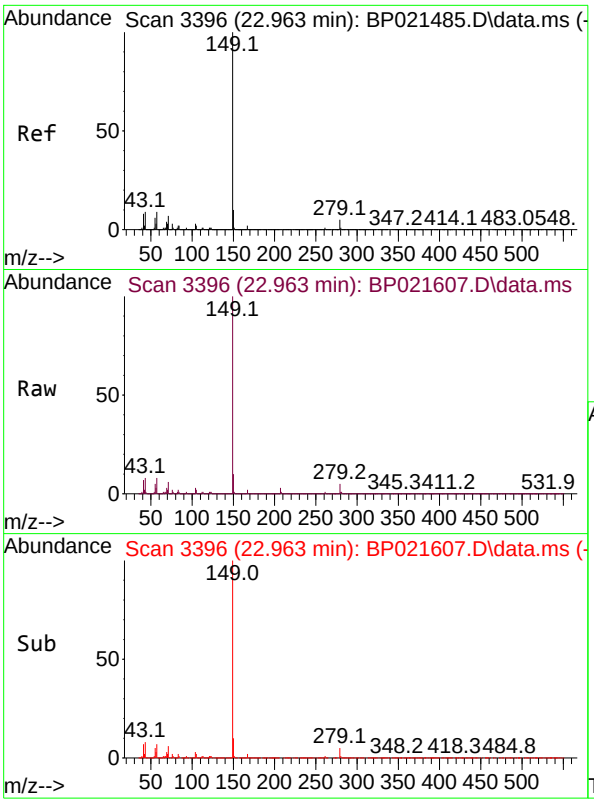


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.120 ng
RT: 21.651 min Scan# 3173
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:149 Resp: 3564928

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.3	33.5
279	4.9	3.8	5.6



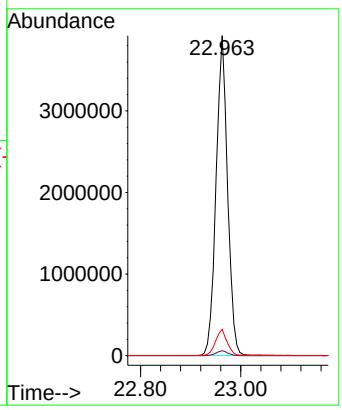


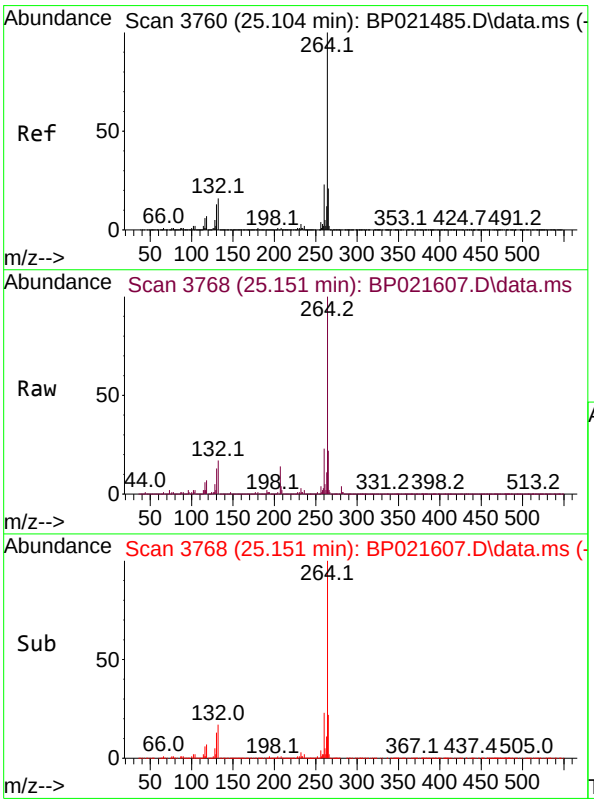
#85
Di-n-octyl phthalate
Concen: 44.373 ng
RT: 22.963 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 6240578

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.2	7.3	10.9

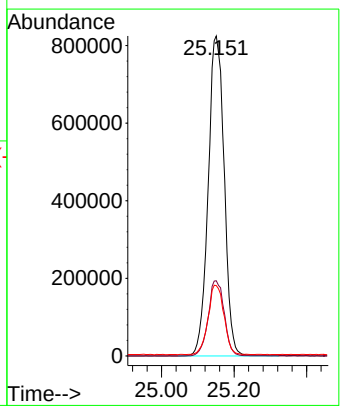


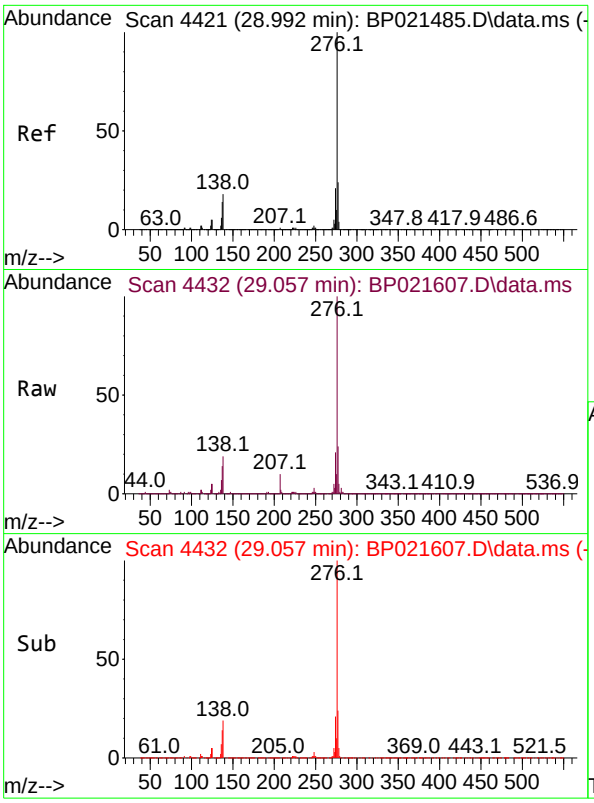


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.151 min Scan# 3768
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:264 Resp: 2529327

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	22.0	17.1	25.7



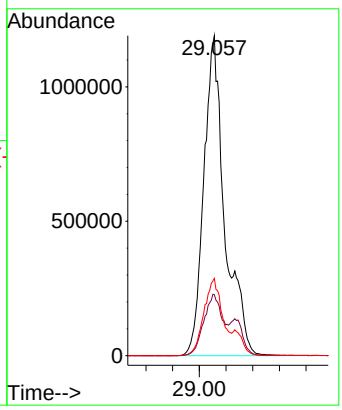


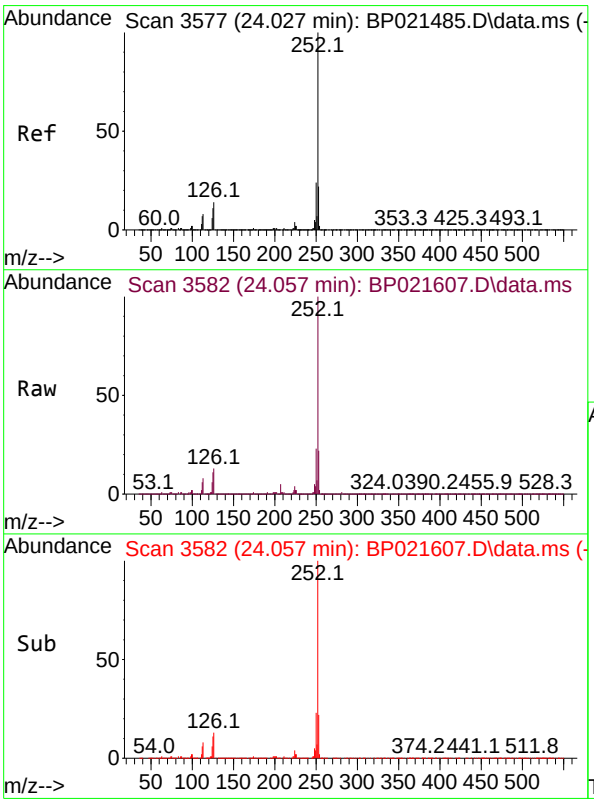
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.480 ng m
RT: 29.057 min Scan# 44
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 6472968

Ion	Ratio	Lower	Upper
276	100		
138	17.5	12.8	19.2
277	21.4	16.5	24.7

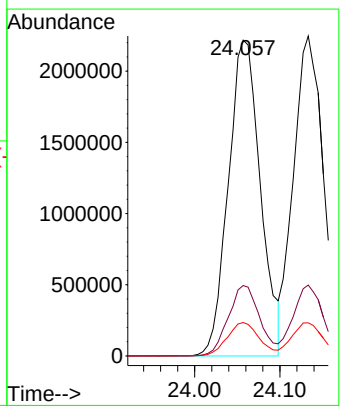


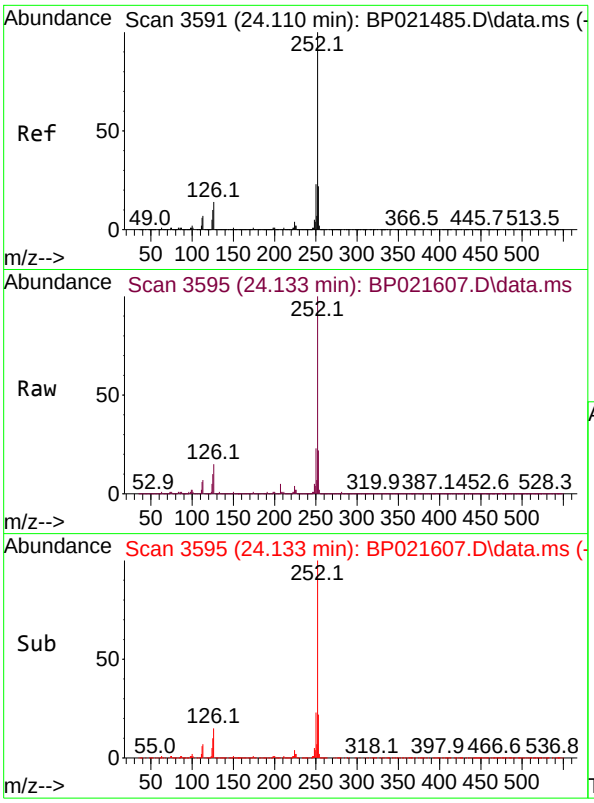


#88
Benzo(b)fluoranthene
Concen: 39.993 ng
RT: 24.057 min Scan# 3582
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:252 Resp: 5809629

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	10.6	8.6	13.0



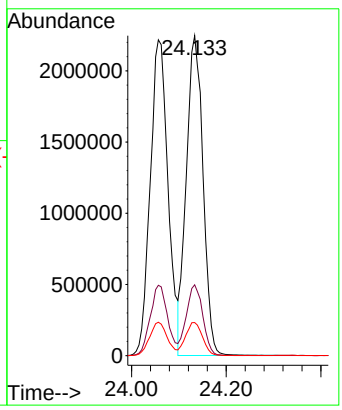


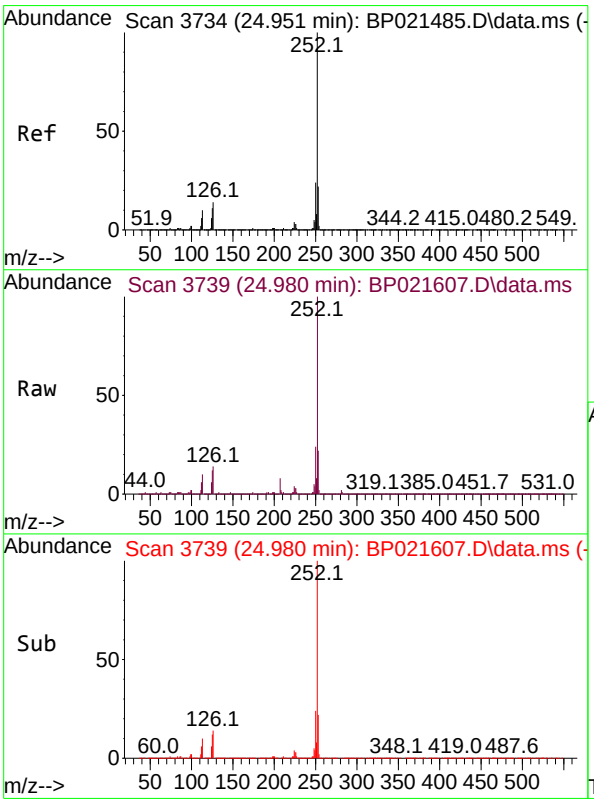
#89
Benzo(k)fluoranthene
Concen: 38.744 ng
RT: 24.133 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 5490312

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	10.3	7.8	11.8

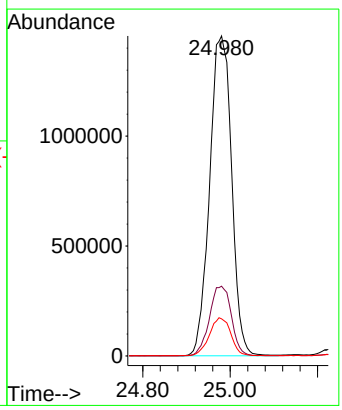


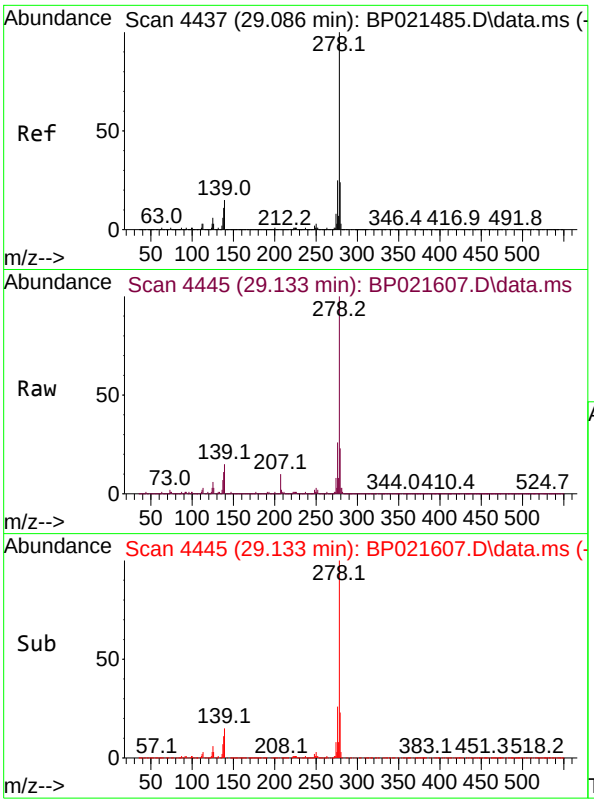


#90
Benzo(a)pyrene
Concen: 40.237 ng
RT: 24.980 min Scan# 3739
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:252 Resp: 5072304

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	11.6	8.7	13.1



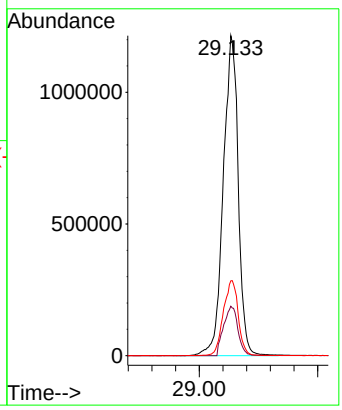


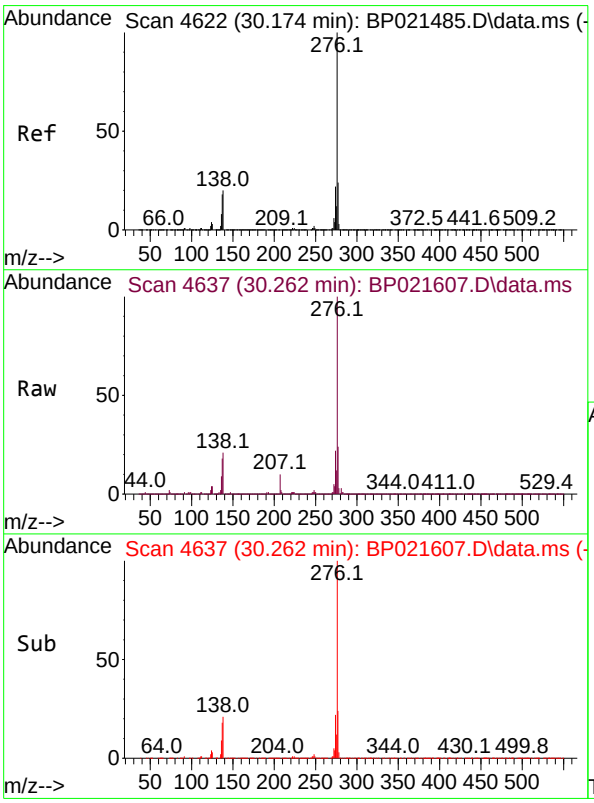
#91
Dibenzo(a,h)anthracene
Concen: 39.035 ng
RT: 29.133 min Scan# 44
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 5317596

Ion	Ratio	Lower	Upper
278	100		
139	15.4	12.2	18.4
279	23.4	19.1	28.7

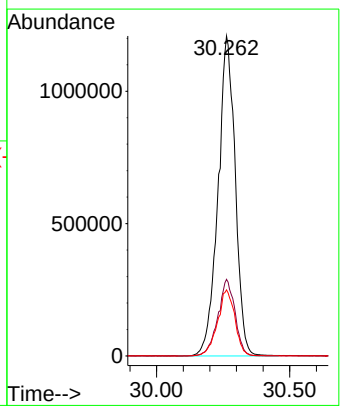




#92
Benzo(g,h,i)perylene
Concen: 39.678 ng
RT: 30.262 min Scan# 4637
Delta R.T. 0.000 min
Lab File: BP021607.D
Acq: 22 Aug 2024 10:09

Tgt Ion:276 Resp: 5417561

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.6
138	20.7	16.0	24.0



Sample Results: **BP021607.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
Data File : BP021607.D
Acq On : 22 Aug 2024 10:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 11:12:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 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	91	0.00
2		1,4-Dioxane	0.639	0.577	9.7	82	0.00
3		Pyridine	1.783	1.583	11.2	80	0.00
4		n-Nitrosodimethylamine	0.536	0.506	5.6	87	0.00
5	S	2-Fluorophenol	1.347	1.382	-2.6	94	0.00
6		Aniline	1.964	1.798	8.5	83	0.00
7	S	Phenol-d6	1.965	1.978	-0.7	91	0.00
8		2-Chlorophenol	1.245	1.324	-6.3	97	0.00
9		Benzaldehyde	1.258	1.141	9.3	87	0.00
10	C	Phenol	2.035	2.000	1.7	89	0.00
11		bis(2-Chloroethyl)ether	1.722	1.568	8.9	84	0.00
12		1,3-Dichlorobenzene	1.479	1.466	0.9	92	0.00
13	C	1,4-Dichlorobenzene	1.493	1.487	0.4	92	0.00
14		1,2-Dichlorobenzene	1.439	1.418	1.5	92	0.00
15		Benzyl Alcohol	1.410	1.351	4.2	87	0.00
16		2,2'-oxybis(1-Chloropropane	1.585	1.453	8.3	86	0.00
17		2-Methylphenol	1.286	1.308	-1.7	93	0.00
18		Hexachloroethane	0.599	0.599	0.0	92	0.00
19	P	n-Nitroso-di-n-propylamine	1.357	1.161	14.4	79	0.00
20		3+4-Methylphenols	1.734	1.847	-6.5	96	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	94	0.00
22		Acetophenone	0.614	0.580	5.5	89	0.00
23	S	Nitrobenzene-d5	0.387	0.422	-9.0	97	0.00
24		Nitrobenzene	0.421	0.428	-1.7	91	0.00
25		Isophorone	0.915	0.799	12.7	82	0.00
26	C	2-Nitrophenol	0.086	0.162	-88.4#	162#	0.00
27		2,4-Dimethylphenol	0.226	0.227	-0.4	95	0.00
28		bis(2-Chloroethoxy)methane	0.559	0.508	9.1	87	0.00
29	C	2,4-Dichlorophenol	0.267	0.300	-12.4	104	0.00
30		1,2,4-Trichlorobenzene	0.342	0.328	4.1	91	0.00
31		Naphthalene	1.045	1.023	2.1	92	0.00
32		Benzoic acid	0.137	0.271	-97.8#	197#	0.00
33		4-Chloroaniline	0.392	0.403	-2.8	96	0.00
34	C	Hexachlorobutadiene	0.215	0.203	5.6	89	0.00
35		Caprolactam	0.111	0.131	-18.0	108	0.00
36	C	4-Chloro-3-methylphenol	0.370	0.412	-11.4	101	0.00
37		2-Methylnaphthalene	0.713	0.707	0.8	94	0.00
38		1-Methylnaphthalene	0.703	0.697	0.9	94	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
40		1,2,4,5-Tetrachlorobenzene	0.586	0.550	6.1	93	0.00
41	P	Hexachlorocyclopentadiene	0.186	0.176	5.4	92	0.00
42	S	2,4,6-Tribromophenol	0.223	0.273	-22.4	116	0.00
43	C	2,4,6-Trichlorophenol	0.326	0.368	-12.9	108	0.00
44		2,4,5-Trichlorophenol	0.362	0.424	-17.1	111	0.00
45	S	2-Fluorobiphenyl	1.310	1.233	5.9	93	0.00
46		1,1'-Biphenyl	1.415	1.353	4.4	95	0.00
47		2-Chloronaphthalene	1.102	1.060	3.8	95	0.00

Sample Results: **BP021607.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
Data File : BP021607.D
Acq On : 22 Aug 2024 10:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 11:12:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 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)
48		2-Nitroaniline	0.256	0.360	-40.6#	127	0.00
49		Acenaphthylene	1.619	1.602	1.1	98	0.00
50		Dimethylphthalate	1.339	1.384	-3.4	103	0.00
51		2,6-Dinitrotoluene	0.232	0.315	-35.8#	124	0.00
52	C	Acenaphthene	1.063	1.108	-4.2	104	0.00
53		3-Nitroaniline	0.228	0.332	-45.6#	131	0.00
54	P	2,4-Dinitrophenol	0.069	0.151	-118.8#	231#	0.00
55		Dibenzofuran	1.635	1.616	1.2	98	0.00
56	P	4-Nitrophenol	0.195	0.300	-53.8#	149	0.00
57		2,4-Dinitrotoluene	0.284	0.446	-57.0#	140	0.00
58		Fluorene	1.343	1.319	1.8	98	0.00
59		2,3,4,6-Tetrachlorophenol	0.307	0.371	-20.8	113	0.00
60		Diethylphthalate	1.374	1.430	-4.1	103	0.00
61		4-Chlorophenyl-phenylether	0.694	0.665	4.2	96	0.00
62		4-Nitroaniline	0.241	0.356	-47.7#	131	0.00
63		Azobenzene	1.689	1.511	10.5	88	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	107	0.00
65		4,6-Dinitro-2-methylphenol	0.054	0.099	-83.3#	203#	0.00
66	c	n-Nitrosodiphenylamine	0.536	0.501	6.5	100	0.00
67		4-Bromophenyl-phenylether	0.212	0.198	6.6	102	0.00
68		Hexachlorobenzene	0.250	0.236	5.6	101	0.00
69		Atrazine	0.184	0.161	12.5	91	0.00
70	C	Pentachlorophenol	0.137	0.168	-22.6#	132	0.00
71		Phenanthrene	0.962	0.941	2.2	105	0.00
72		Anthracene	0.943	0.926	1.8	105	0.00
73		Carbazole	0.909	0.948	-4.3	109	0.00
74		Di-n-butylphthalate	1.116	1.173	-5.1	110	0.00
75	C	Fluoranthene	1.180	1.250	-5.9	112	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	120	0.00
77		Benzidine	0.420	0.475	-13.1	119	0.00
78		Pyrene	1.307	1.233	5.7	114	0.00
79	S	Terphenyl-d14	1.029	0.933	9.3	111	0.00
80		Butylbenzylphthalate	0.437	0.535	-22.4	136	0.00
81		Benzo(a)anthracene	1.256	1.216	3.2	115	0.00
82		3,3'-Dichlorobenzidine	0.403	0.444	-10.2	124	0.00
83		Chrysene	1.185	1.172	1.1	117	0.00
84		Bis(2-ethylhexyl)phthalate	0.742	0.818	-10.2	125	0.00
85	c	Di-n-octyl phthalate	1.199	1.433	-19.5	138	0.00
86	I	Perylene-d12	1.000	1.000	0.0	121	0.00
87		Indeno(1,2,3-cd)pyrene	1.296	1.280	1.2	117	0.00
88		Benzo(b)fluoranthene	1.149	1.148	0.1	121	0.00
89		Benzo(k)fluoranthene	1.121	1.085	3.2	115	0.00
90	C	Benzo(a)pyrene	0.997	1.003	-0.6	120	0.00
91		Dibenzo(a,h)anthracene	1.077	1.051	2.4	116	0.00
92		Benzo(g,h,i)perylene	1.080	1.071	0.8	118	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
Data File : BP021607.D
Acq On : 22 Aug 2024 10:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 11:12:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 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)

(#) = Out of Range SPCC's out = 0 CCC's out = 2

Sample Results: **BP021607.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
Data File : BP021607.D
Acq On : 22 Aug 2024 10:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 11:12:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 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	20.000	20.000	0.0	91	0.00
2		1,4-Dioxane	40.000	36.120	9.7	82	0.00
3		Pyridine	40.000	35.524	11.2	80	0.00
4		n-Nitrosodimethylamine	40.000	37.767	5.6	87	0.00
5	S	2-Fluorophenol	80.000	82.106	-2.6	94	0.00
6		Aniline	40.000	36.618	8.5	83	0.00
7	S	Phenol-d6	80.000	80.553	-0.7	91	0.00
8		2-Chlorophenol	40.000	42.555	-6.4	97	0.00
9		Benzaldehyde	40.000	36.270	9.3	87	0.00
10	C	Phenol	40.000	39.314	1.7	89	0.00
11		bis(2-Chloroethyl)ether	40.000	36.440	8.9	84	0.00
12		1,3-Dichlorobenzene	40.000	39.663	0.8	92	0.00
13	C	1,4-Dichlorobenzene	40.000	39.845	0.4	92	0.00
14		1,2-Dichlorobenzene	40.000	39.433	1.4	92	0.00
15		Benzyl Alcohol	40.000	38.328	4.2	87	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.661	8.3	86	0.00
17		2-Methylphenol	40.000	40.687	-1.7	93	0.00
18		Hexachloroethane	40.000	40.008	-0.0	92	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	34.216	14.5	79	0.00
20		3+4-Methylphenols	40.000	42.606	-6.5	96	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	94	0.00
22		Acetophenone	40.000	37.751	5.6	89	0.00
23	S	Nitrobenzene-d5	80.000	87.139	-8.9	97	0.00
24		Nitrobenzene	40.000	40.688	-1.7	91	0.00
25		Isophorone	40.000	34.912	12.7	82	0.00
26	C	2-Nitrophenol	40.000	56.145	-40.4#	162	0.00
27		2,4-Dimethylphenol	40.000	40.233	-0.6	95	0.00
28		bis(2-Chloroethoxy)methane	40.000	36.364	9.1	87	0.00
29	C	2,4-Dichlorophenol	40.000	45.004	-12.5	104	0.00
30		1,2,4-Trichlorobenzene	40.000	38.353	4.1	91	0.00
31		Naphthalene	40.000	39.165	2.1	92	0.00
32		Benzoic acid	40.000	64.277	-60.7#	197	0.00
33		4-Chloroaniline	40.000	41.056	-2.6	96	0.00
34	C	Hexachlorobutadiene	40.000	37.700	5.7	89	0.00
35		Caprolactam	40.000	47.294	-18.2	108	0.00
36	C	4-Chloro-3-methylphenol	40.000	44.485	-11.2	101	0.00
37		2-Methylnaphthalene	40.000	39.657	0.9	94	0.00
38		1-Methylnaphthalene	40.000	39.627	0.9	94	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	100	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.545	6.1	93	0.00
41	P	Hexachlorocyclopentadiene	40.000	37.827	5.4	92	0.00
42	S	2,4,6-Tribromophenol	80.000	98.281	-22.9	116	0.00
43	C	2,4,6-Trichlorophenol	40.000	45.265	-13.2	108	0.00
44		2,4,5-Trichlorophenol	40.000	46.888	-17.2	111	0.00
45	S	2-Fluorobiphenyl	80.000	75.251	5.9	93	0.00
46		1,1'-Biphenyl	40.000	38.239	4.4	95	0.00
47		2-Chloronaphthalene	40.000	38.471	3.8	95	0.00

Sample Results: **BP021607.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
Data File : BP021607.D
Acq On : 22 Aug 2024 10:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 11:12:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 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)
48		2-Nitroaniline	40.000	46.764	-16.9	127	0.00
49		Acenaphthylene	40.000	39.567	1.1	98	0.00
50		Dimethylphthalate	40.000	41.338	-3.3	103	0.00
51		2,6-Dinitrotoluene	40.000	46.734	-16.8	124	0.00
52	C	Acenaphthene	40.000	41.716	-4.3	104	0.00
53		3-Nitroaniline	40.000	49.817	-24.5	131	0.00
54	P	2,4-Dinitrophenol	40.000	69.291	-73.2#	231	0.00
55		Dibenzofuran	40.000	39.555	1.1	98	0.00
56	P	4-Nitrophenol	40.000	55.618	-39.0#	149	0.00
57		2,4-Dinitrotoluene	40.000	51.457	-28.6#	140	0.00
58		Fluorene	40.000	39.301	1.7	98	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	48.280	-20.7	113	0.00
60		Diethylphthalate	40.000	41.628	-4.1	103	0.00
61		4-Chlorophenyl-phenylether	40.000	38.329	4.2	96	0.00
62		4-Nitroaniline	40.000	51.838	-29.6#	131	0.00
63		Azobenzene	40.000	35.782	10.5	88	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	107	0.00
65		4,6-Dinitro-2-methylphenol	40.000	60.270	-50.7#	203	0.00
66	c	n-Nitrosodiphenylamine	40.000	37.381	6.5	100	0.00
67		4-Bromophenyl-phenylether	40.000	37.349	6.6	102	0.00
68		Hexachlorobenzene	40.000	37.754	5.6	101	0.00
69		Atrazine	40.000	34.994	12.5	91	0.00
70	C	Pentachlorophenol	40.000	49.218	-23.0#	132	0.00
71		Phenanthrene	40.000	39.131	2.2	105	0.00
72		Anthracene	40.000	39.254	1.9	105	0.00
73		Carbazole	40.000	41.693	-4.2	109	0.00
74		Di-n-butylphthalate	40.000	42.043	-5.1	110	0.00
75	C	Fluoranthene	40.000	42.357	-5.9	112	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	120	0.00
77		Benzidine	40.000	40.898	-2.2	119	0.00
78		Pyrene	40.000	37.717	5.7	114	0.00
79	S	Terphenyl-d14	80.000	72.522	9.3	111	0.00
80		Butylbenzylphthalate	40.000	43.488	-8.7	136	0.00
81		Benzo(a)anthracene	40.000	38.750	3.1	115	0.00
82		3,3'-Dichlorobenzidine	40.000	44.144	-10.4	124	0.00
83		Chrysene	40.000	39.552	1.1	117	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.120	-10.3	125	0.00
85	c	Di-n-octyl phthalate	40.000	44.373	-10.9	138	0.00
86	I	Perylene-d12	20.000	20.000	0.0	121	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.480	1.3	117	0.00
88		Benzo(b)fluoranthene	40.000	39.993	0.0	121	0.00
89		Benzo(k)fluoranthene	40.000	38.744	3.1	115	0.00
90	C	Benzo(a)pyrene	40.000	40.237	-0.6	120	0.00
91		Dibenzo(a,h)anthracene	40.000	39.035	2.4	116	0.00
92		Benzo(g,h,i)perylene	40.000	39.678	0.8	118	0.00

Sample Results: **BP021607.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
Data File : BP021607.D
Acq On : 22 Aug 2024 10:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 11:12:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 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)

(#) = Out of Range SPCC's out = 0 CCC's out = 2

QC SAMPLE DATA

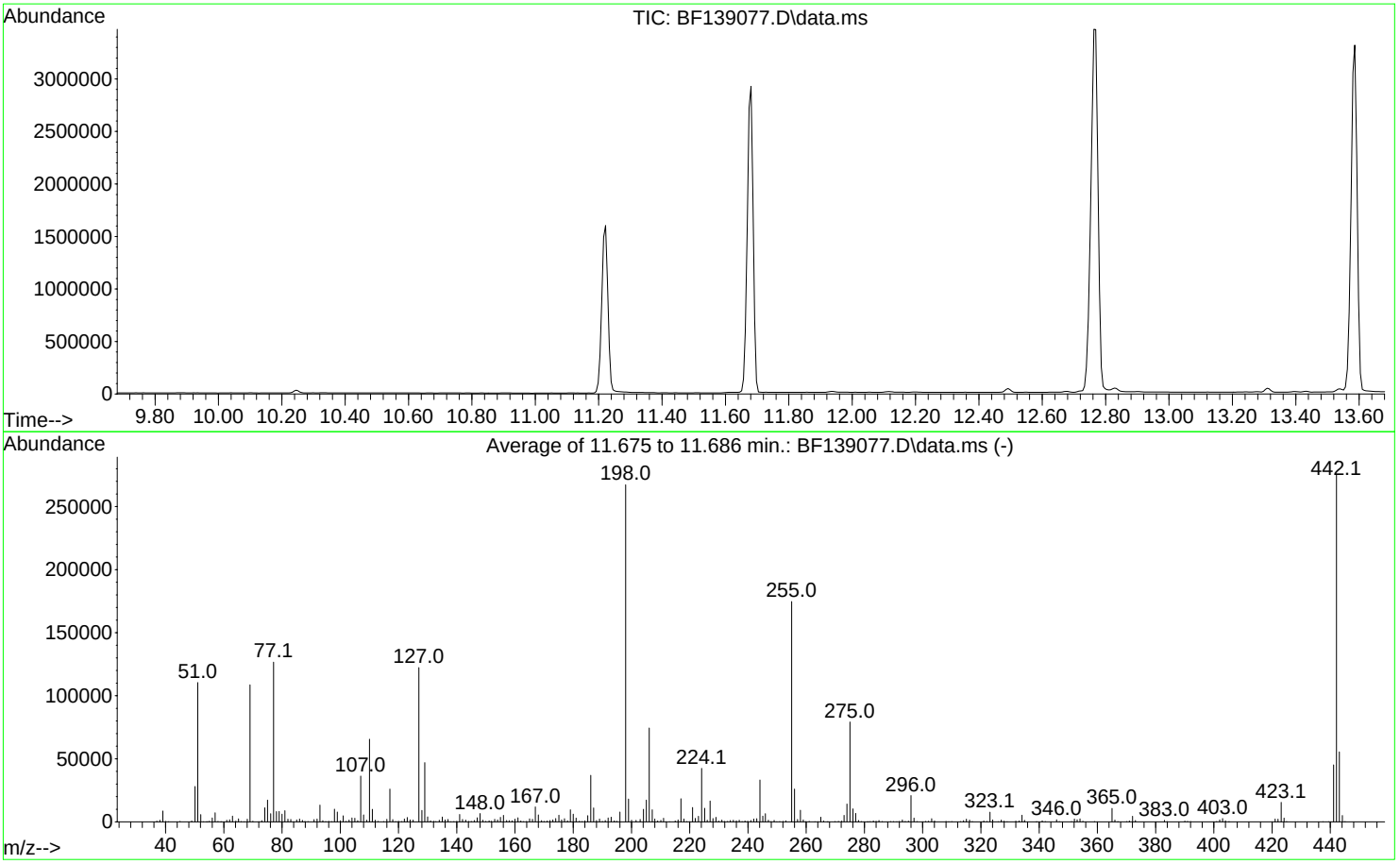
Sample Results: **BF139077.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139077.D
Acq On : 20 Aug 2024 16:39
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 21 01:25:05 2024



AutoFind: Scans 1629, 1630, 1631; Background Corrected with Scan 1621

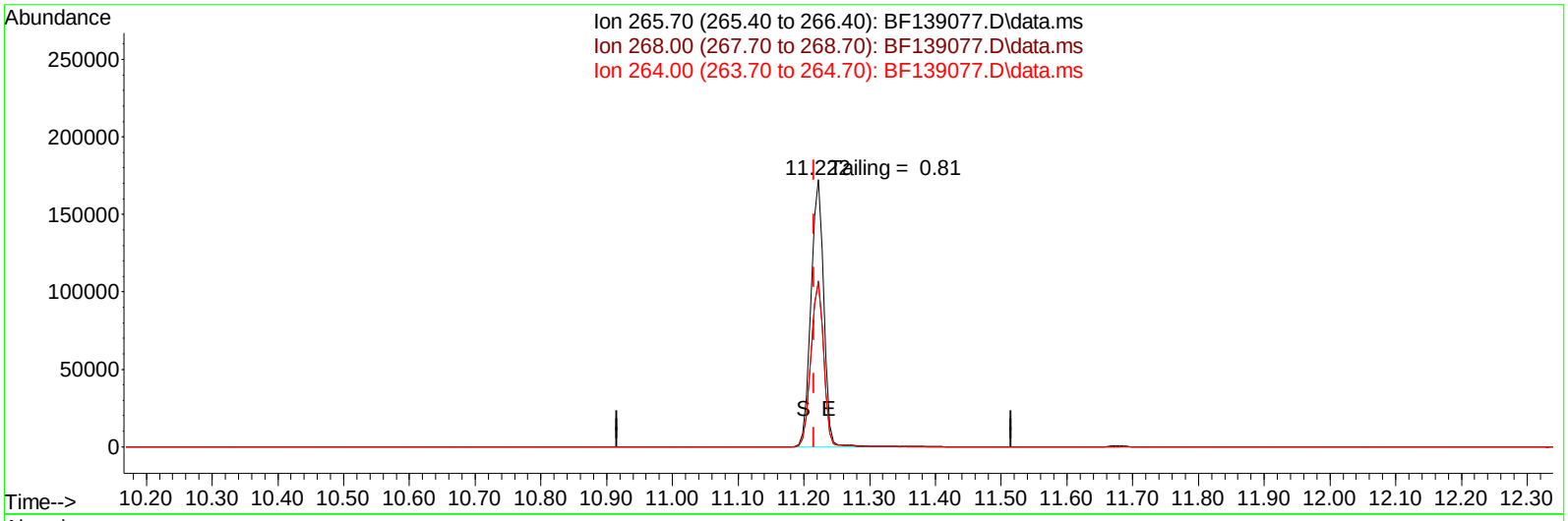
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.3	110429	PASS
68	69	0.00	2	2.0	2125	PASS
69	198	0.00	100	40.7	108717	PASS
70	69	0.00	2	0.4	479	PASS
127	198	10	80	45.8	122331	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	267328	PASS
199	198	5	9	6.8	18110	PASS
275	198	10	60	29.6	79200	PASS
365	198	1	100	4.0	10643	PASS
441	198	0.01	100	16.9	45136	PASS
442	442	50	100	100.0	275456	PASS
443	442	15	24	20.2	55515	PASS

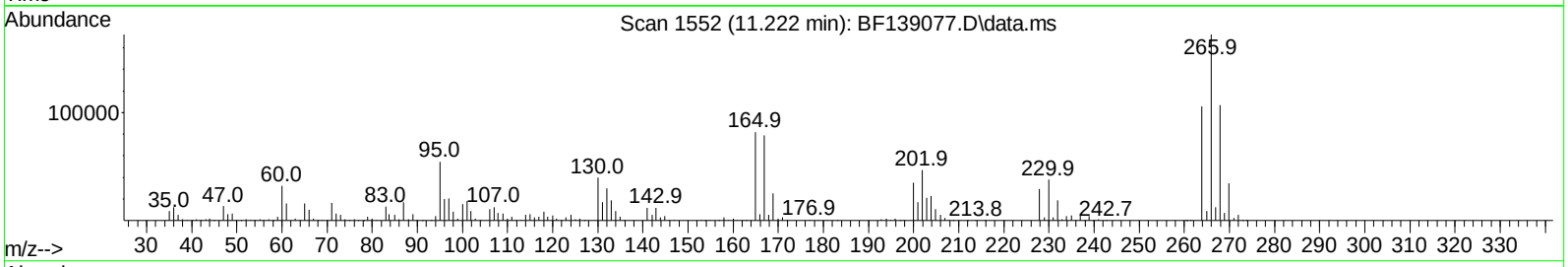
Sample Results: **BF139077.D**

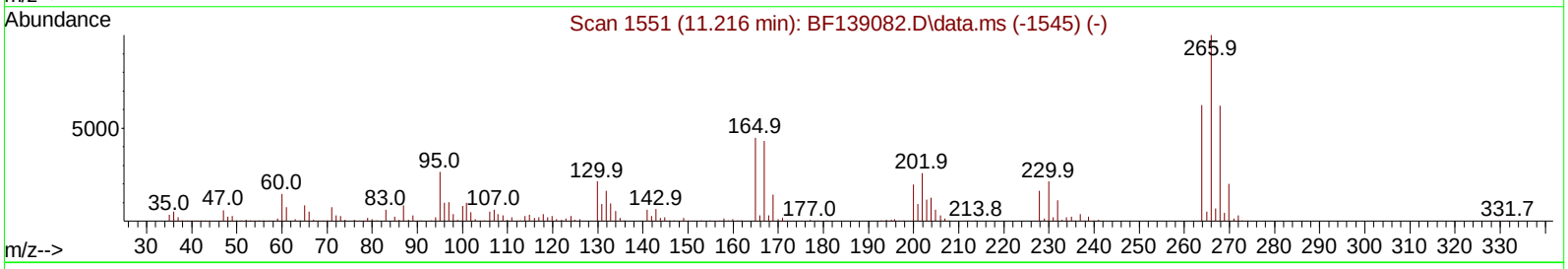
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139077.D
Acq On : 20 Aug 2024 16:39
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 21 01:32:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration







TIC: BF139077.D\data.ms

(70) Pentachlorophenol (C)

11.222min (+ 0.006) 19410.97 ng

response 232437

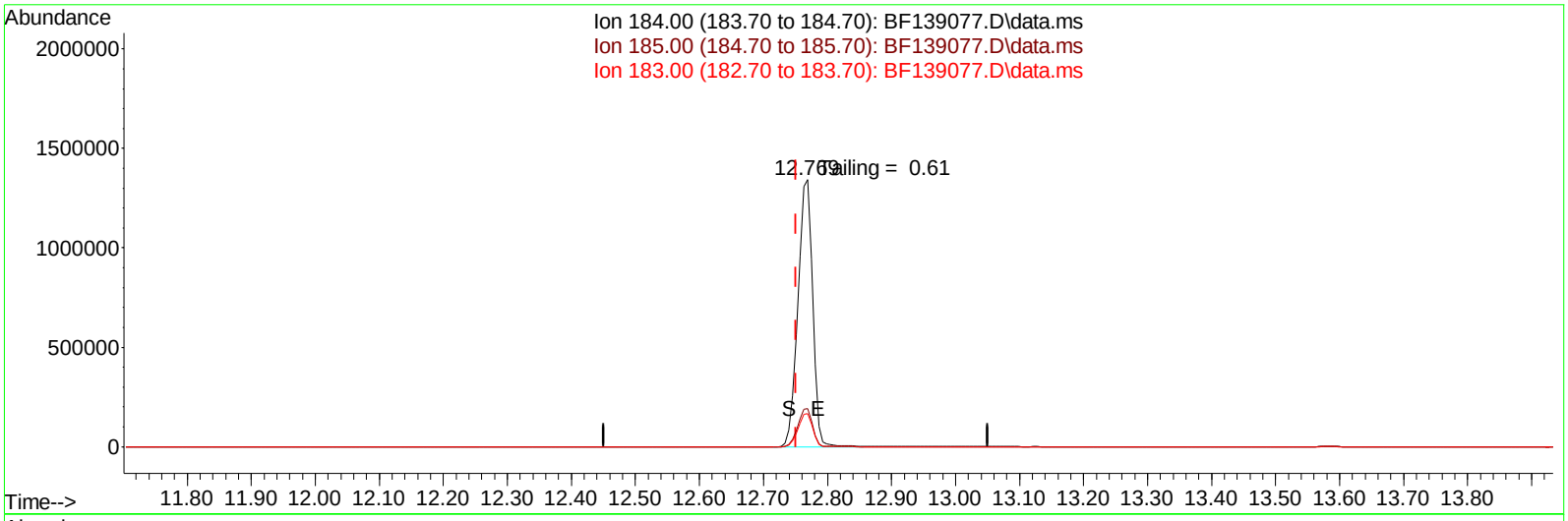
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.90	62.12
264.00	62.50	61.53
0.00	0.00	0.00

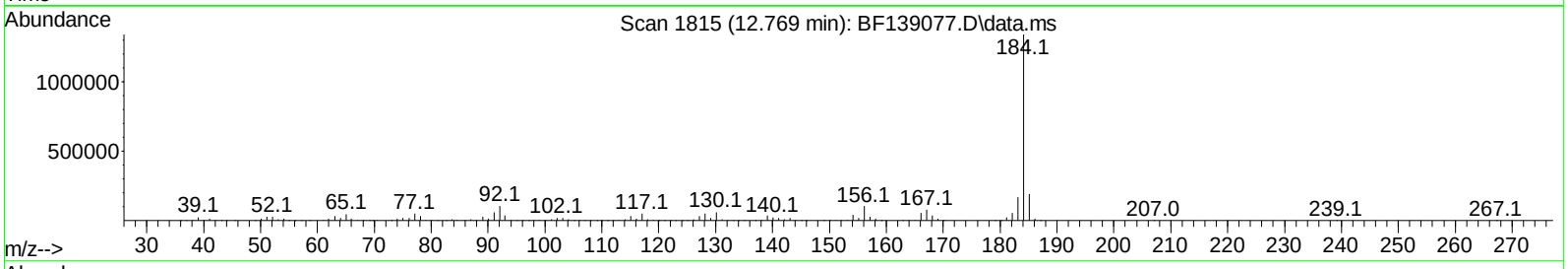
Sample Results: **BF139077.D**

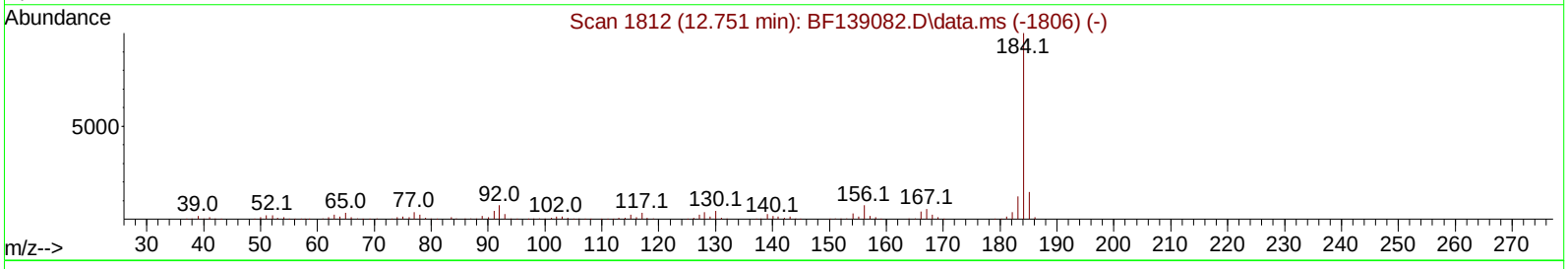
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139077.D
Acq On : 20 Aug 2024 16:39
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 21 01:32:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration







TIC: BF139077.D\data.ms

(77) Benzidine

12.769min (+ 0.018) 0.00 ng

response 2156347

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.24
183.00	12.20	12.45
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/20/2024	BNA_F	BF139077.D
Compound Name	**Response**	**Retention Time**
DDT	770140	13.586
DDD	8377	13.231
DDE	0	12.88
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
8377	778517	1.08

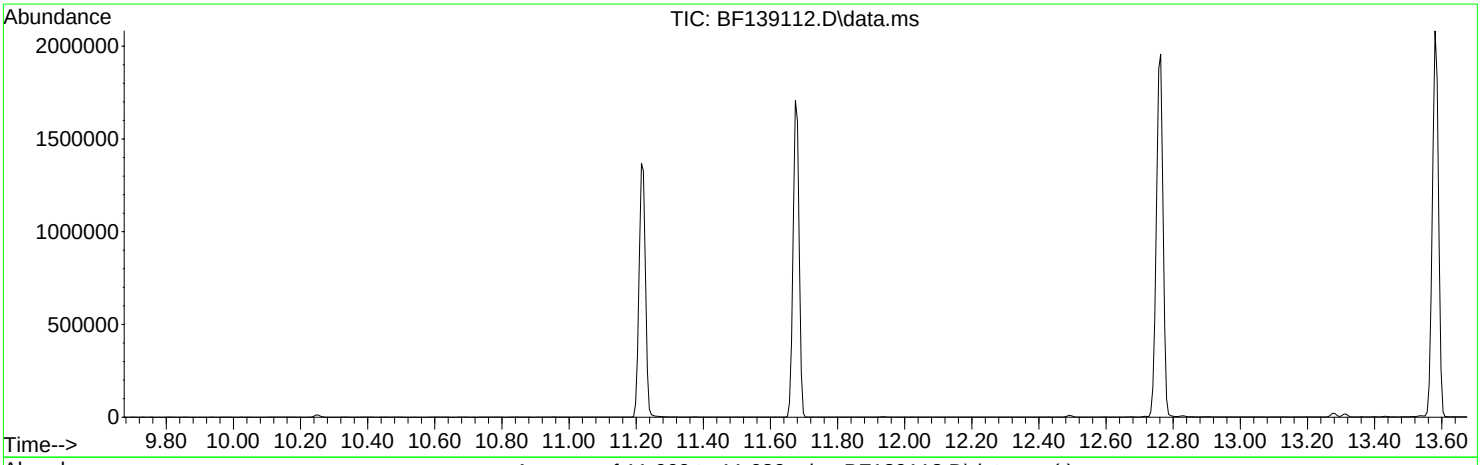
Sample Results: **BF139112.D**

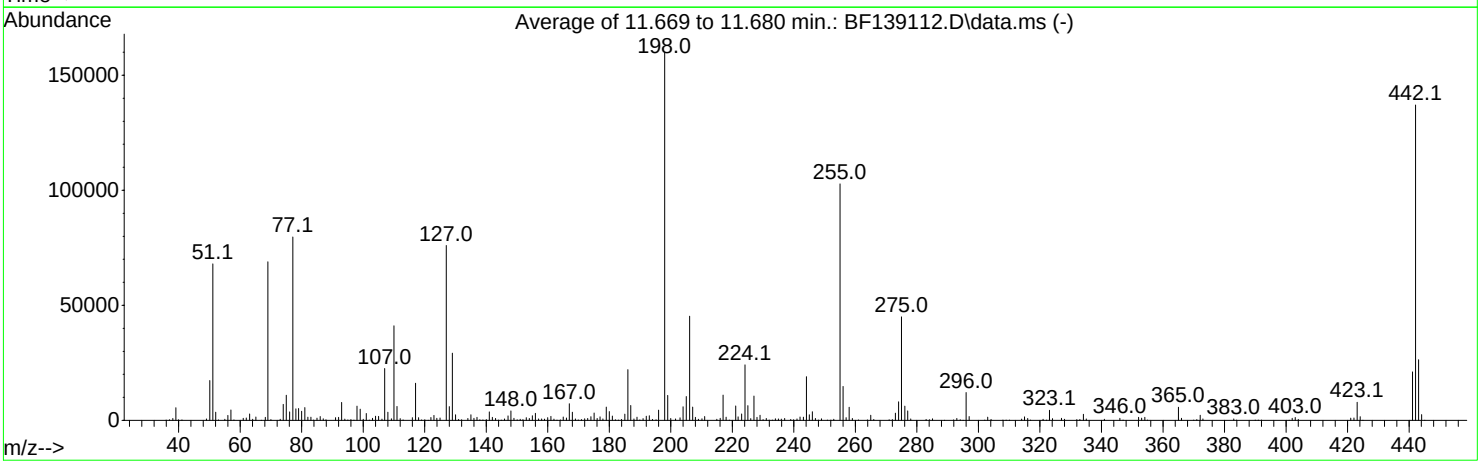
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139112.D
Acq On : 22 Aug 2024 09:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 21 01:25:05 2024





AutoFind: Scans 1628, 1629, 1630; Background Corrected with Scan 1622

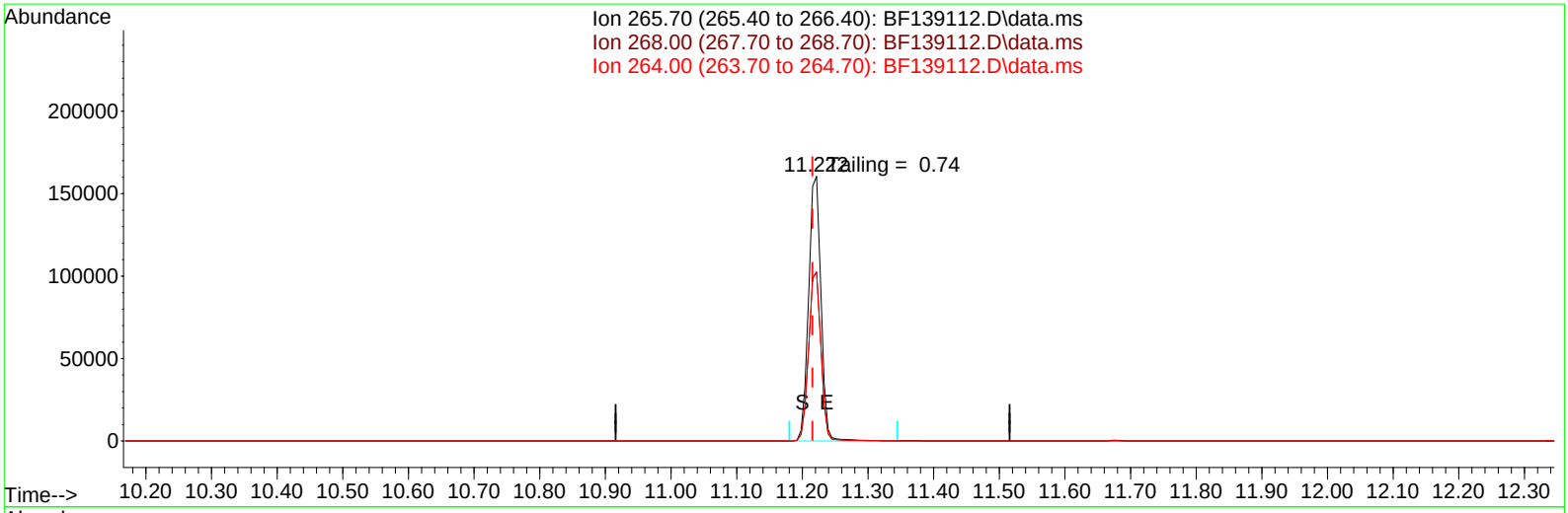
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.6	68035	PASS
68	69	0.00	2	1.9	1326	PASS
69	198	0.00	100	43.1	68907	PASS
70	69	0.00	2	0.6	386	PASS
127	198	10	80	47.5	76008	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	159885	PASS
199	198	5	9	6.8	10861	PASS
275	198	10	60	28.1	44981	PASS
365	198	1	100	3.6	5740	PASS
441	198	0.01	100	13.2	21071	PASS
442	442	50	100	100.0	137080	PASS
443	442	15	24	19.3	26390	PASS

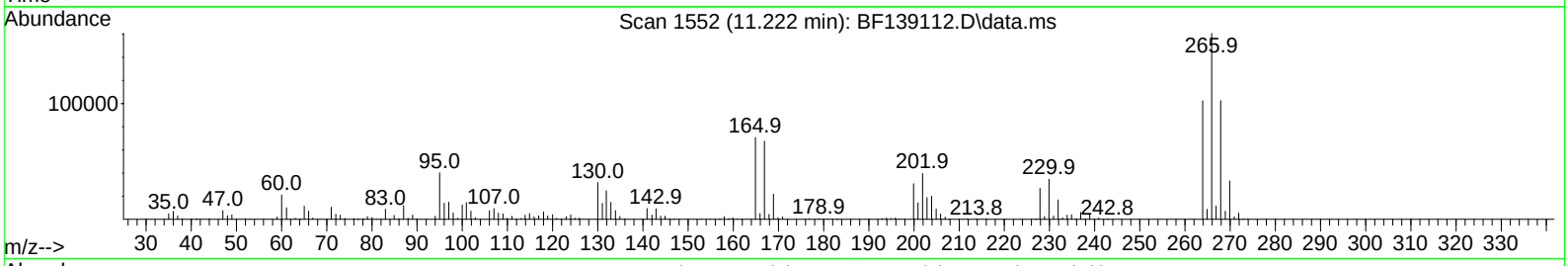
Sample Results: **BF139112.D**

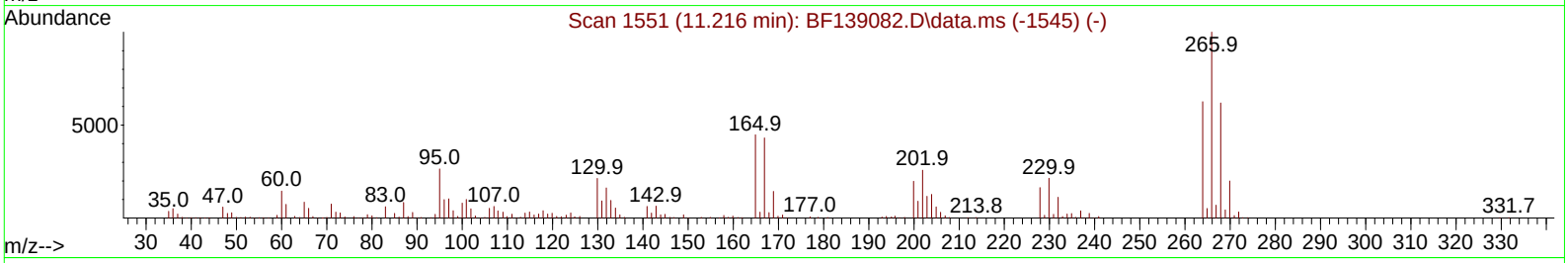
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139112.D
Acq On : 22 Aug 2024 09:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 22 10:59:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration







TIC: BF139112.D\data.ms

(70) Pentachlorophenol (C)

11.222min (+ 0.006) 34840.56 ng

response 211256

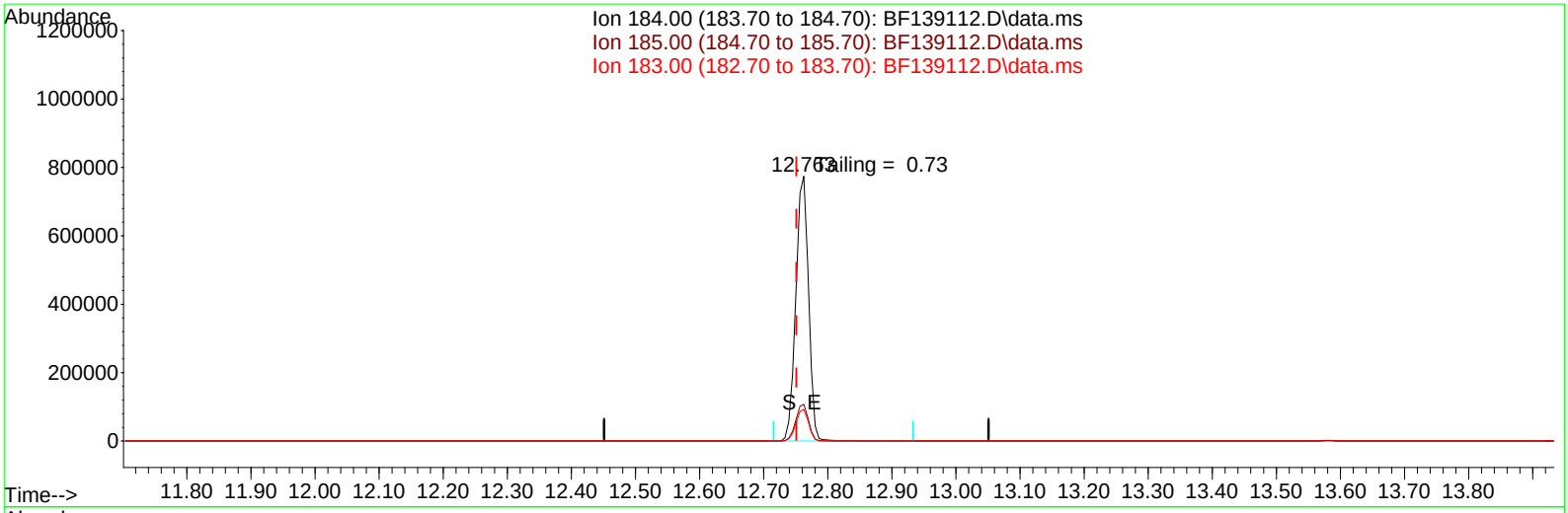
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.90	63.87
264.00	62.50	63.77
0.00	0.00	0.00

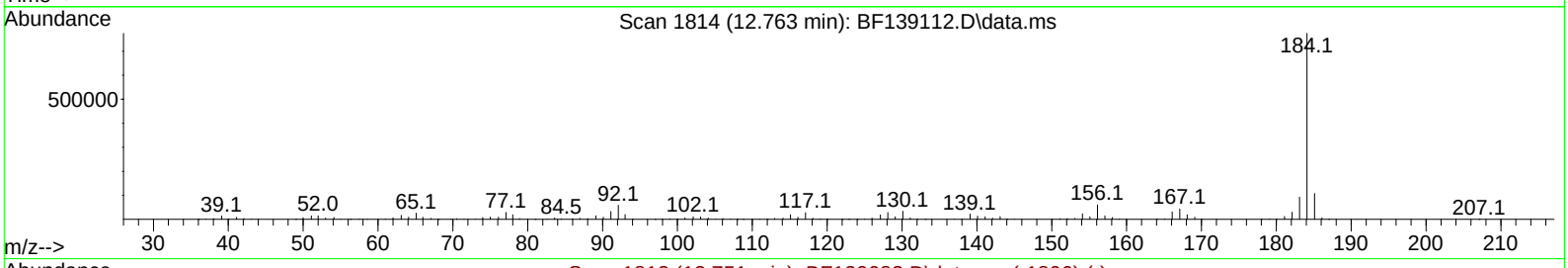
Sample Results: **BF139112.D**

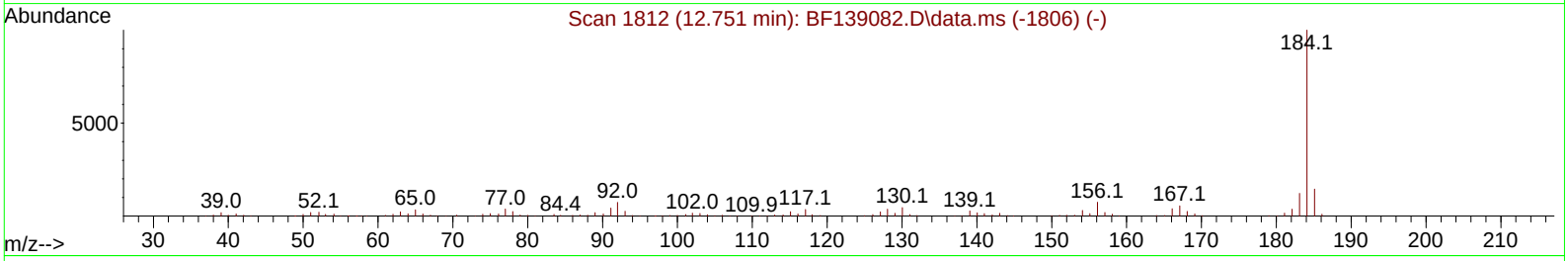
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139112.D
Acq On : 22 Aug 2024 09:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 22 10:59:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration







TIC: BF139112.D\data.ms

(77) Benzidine

12.763min (+ 0.012) 0.00 ng

response 1070049

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.87
183.00	12.20	11.96
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/22/2024	BNA_F	BF139112.D
Compound Name	**Response**	**Retention Time**
DDT	502801	13.58
DDD	10401	13.28
DDE	229	12.945
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
10630	513431	2.07

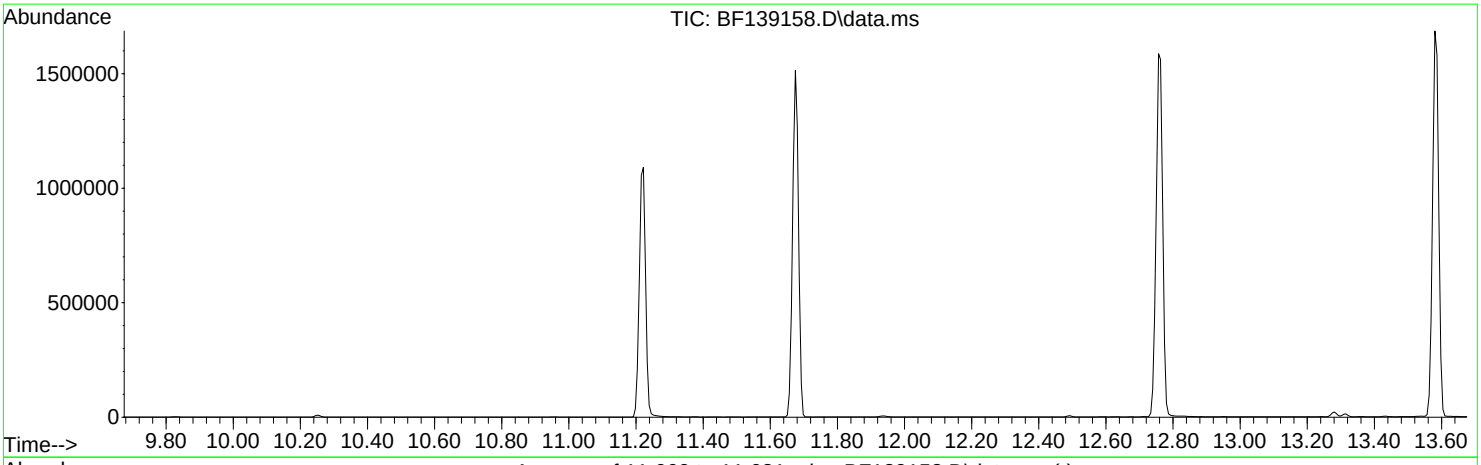
Sample Results: **BF139158.D**

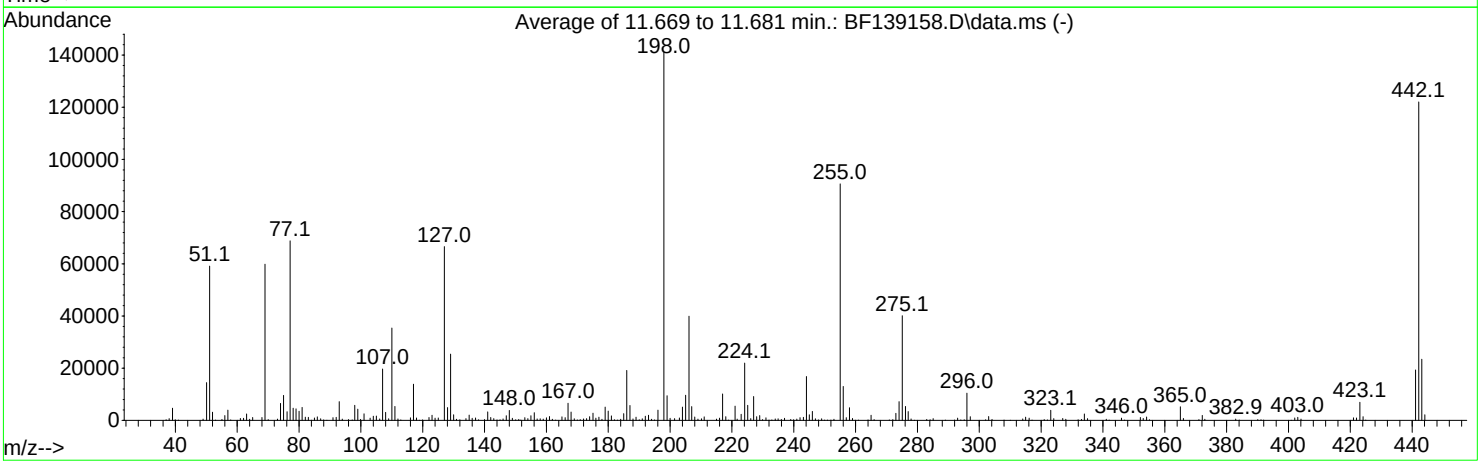
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082624\
Data File : BF139158.D
Acq On : 26 Aug 2024 09:14
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 21 01:25:05 2024





AutoFind: Scans 1628, 1629, 1630; Background Corrected with Scan 1622

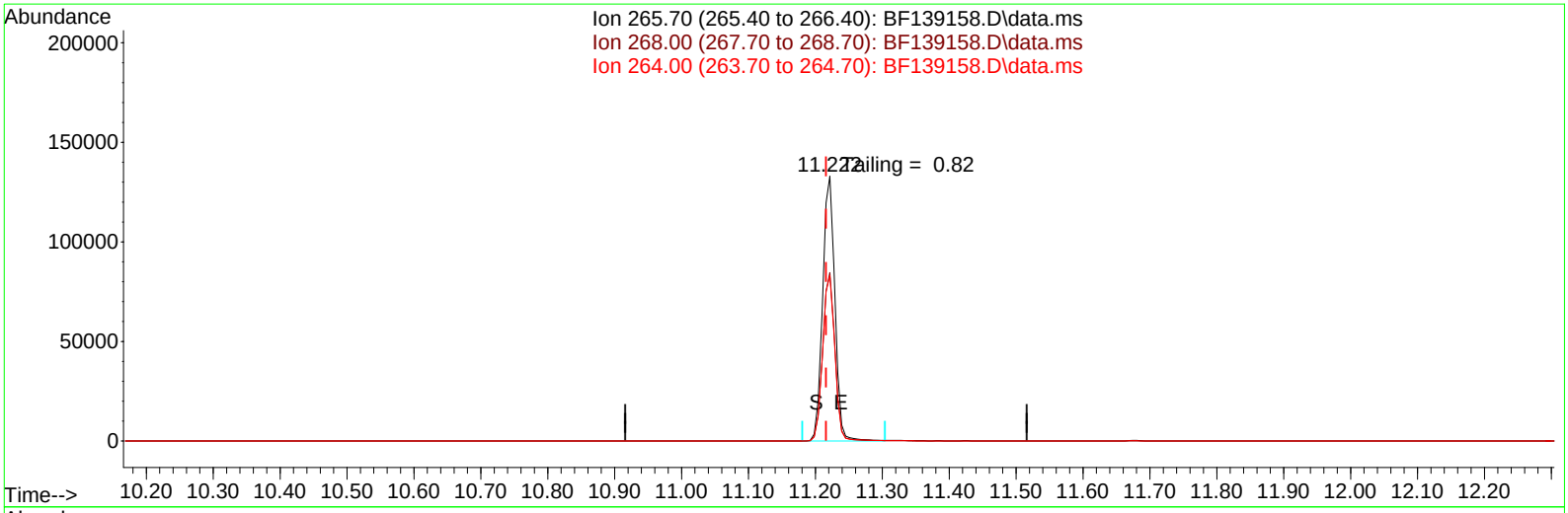
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.9	59120	PASS
68	69	0.00	2	1.8	1099	PASS
69	198	0.00	100	42.5	59883	PASS
70	69	0.00	2	0.5	302	PASS
127	198	10	80	47.3	66616	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	140984	PASS
199	198	5	9	6.7	9430	PASS
275	198	10	60	28.5	40117	PASS
365	198	1	100	3.7	5187	PASS
441	198	0.01	100	13.7	19312	PASS
442	442	50	100	100.0	122029	PASS
443	442	15	24	19.2	23441	PASS

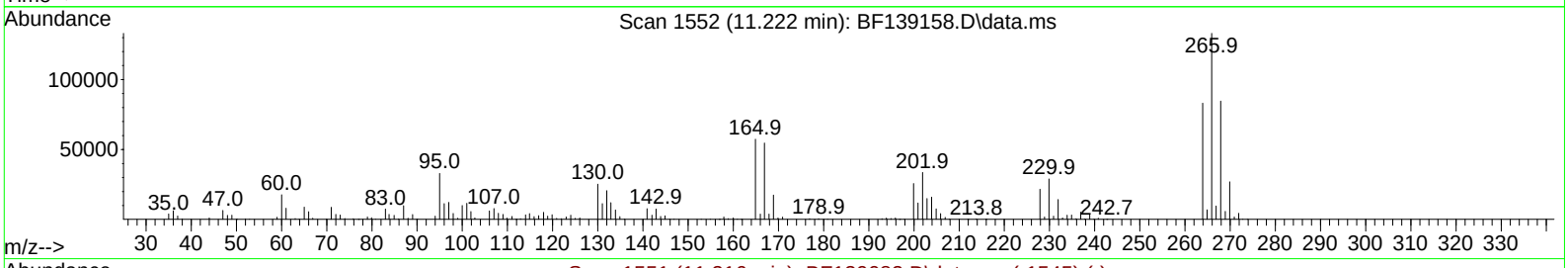
Sample Results: **BF139158.D**

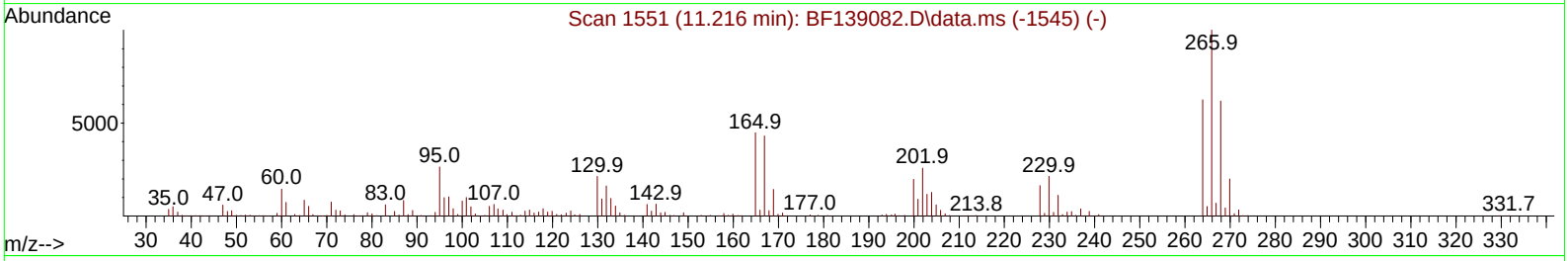
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082624\
Data File : BF139158.D
Acq On : 26 Aug 2024 09:14
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 26 10:54:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration







TIC: BF139158.D\data.ms

(70) Pentachlorophenol (C)

11.222min (+ 0.006) 29659.75 ng

response 170150

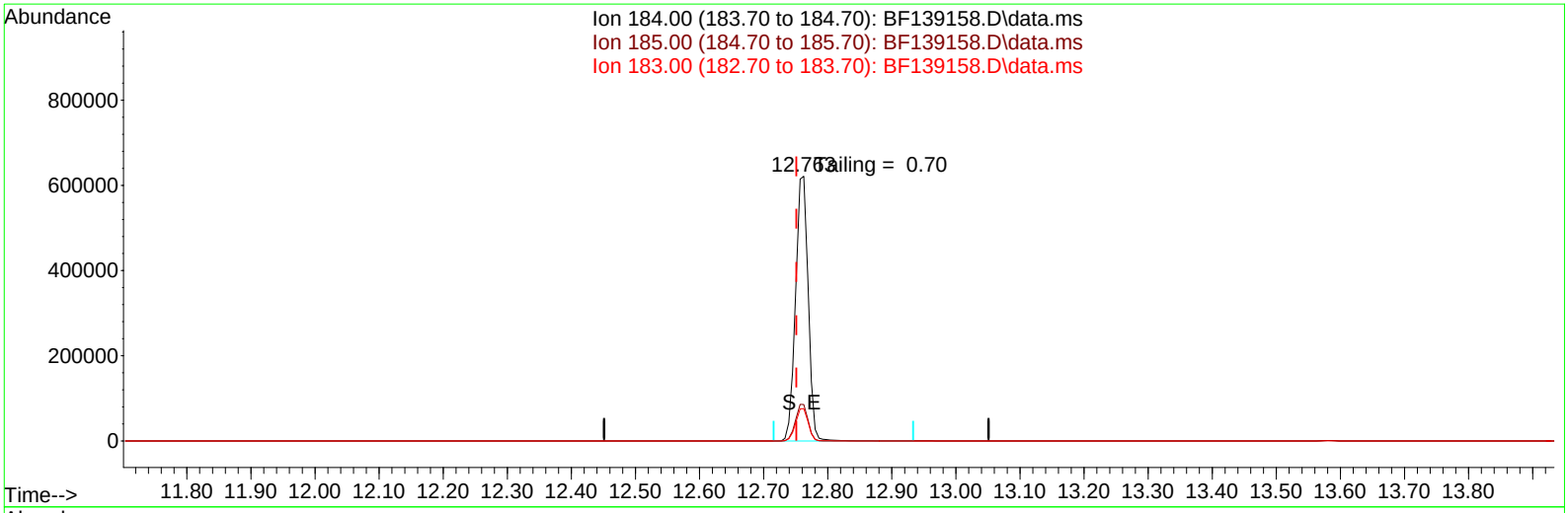
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.90	63.61
264.00	62.50	62.54
0.00	0.00	0.00

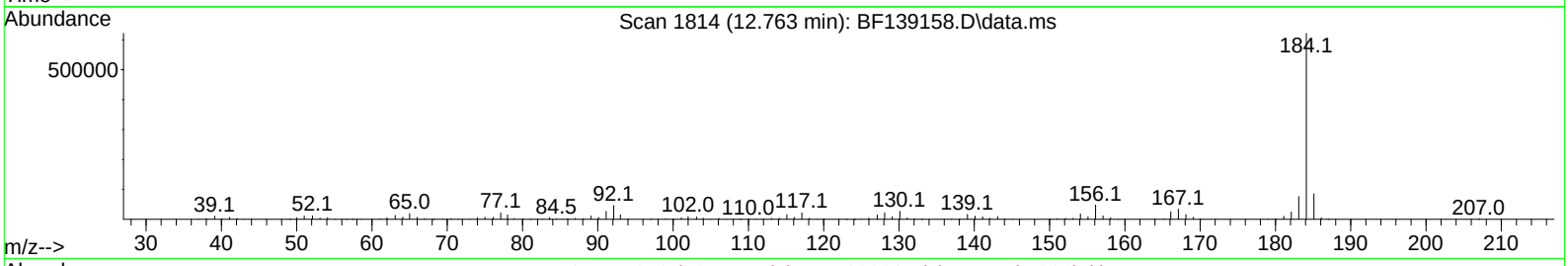
Sample Results: **BF139158.D**

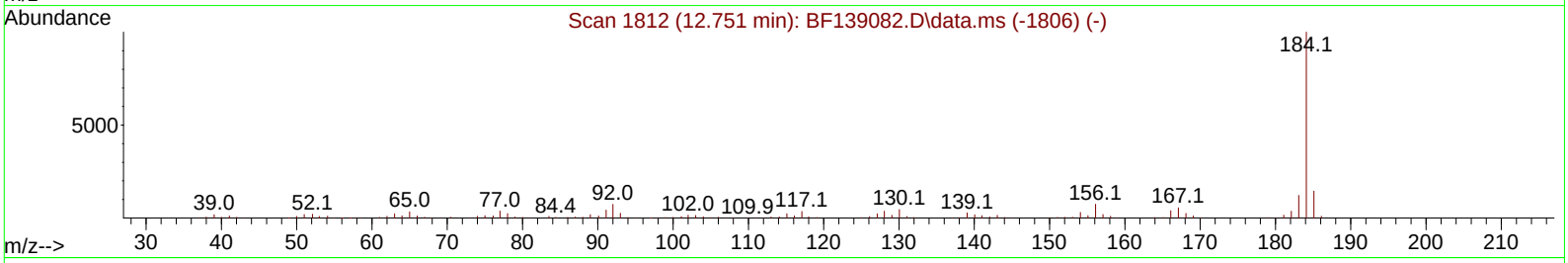
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082624\
Data File : BF139158.D
Acq On : 26 Aug 2024 09:14
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 26 10:54:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration







TIC: BF139158.D\data.ms

(77) Benzidine

12.763min (+ 0.012) 0.00 ng

response 856955

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.76
183.00	12.20	12.26
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/26/2024	BNA_F	BF139158.D
Compound Name	**Response**	**Retention Time**
DDT	410710	13.58
DDD	9712	13.28
DDE	439	12.945
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
10151	420861	2.41

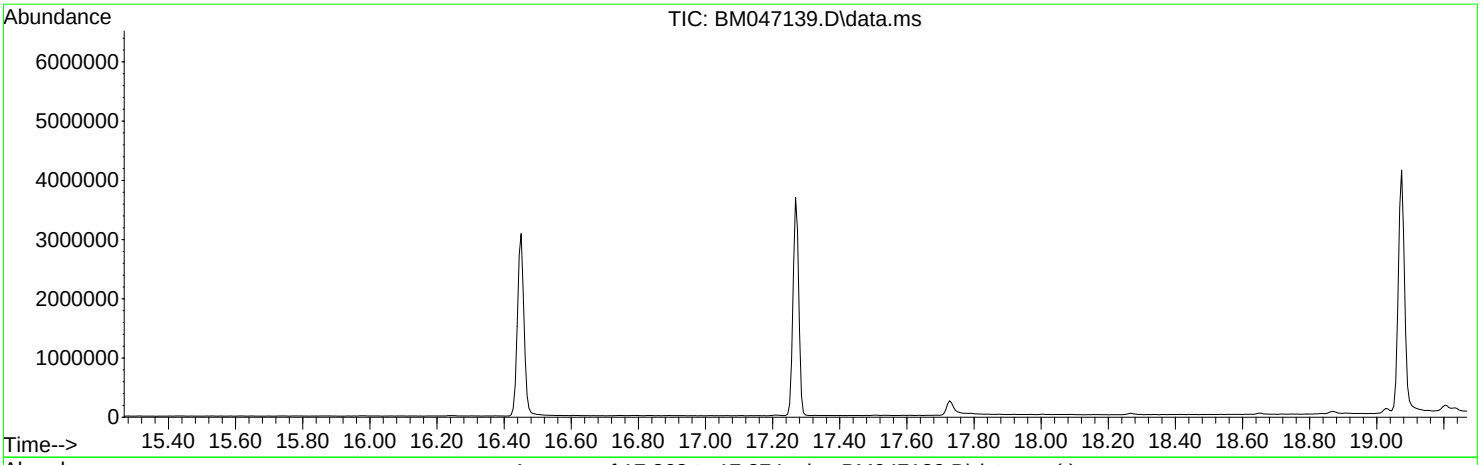
Sample Results: **BM047139.D**

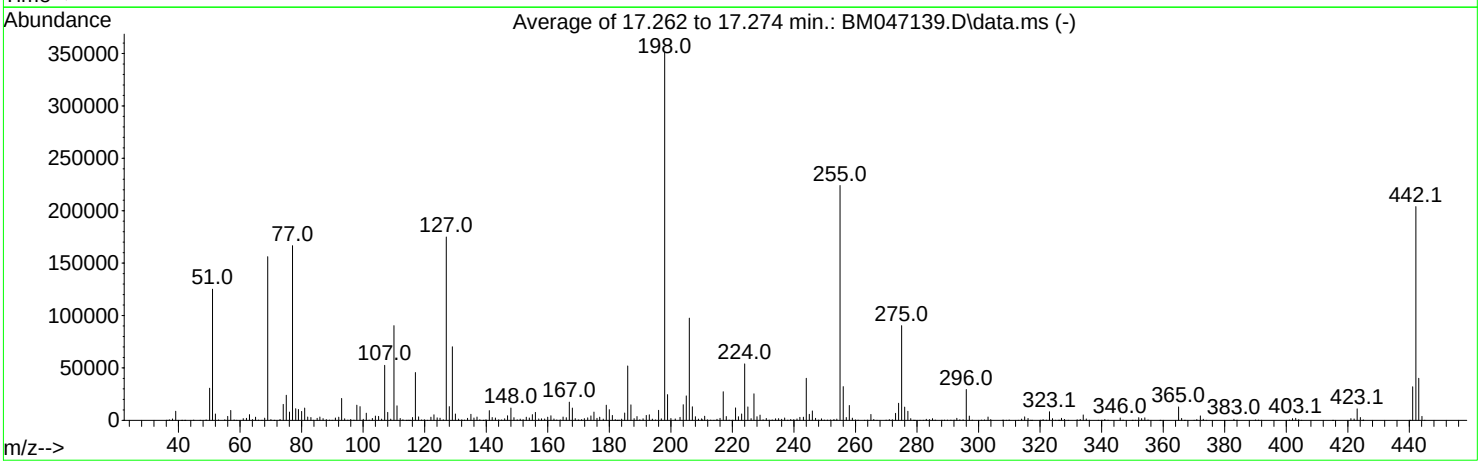
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047139.D
Acq On : 10 Aug 2024 12:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sun Aug 11 23:47:58 2024





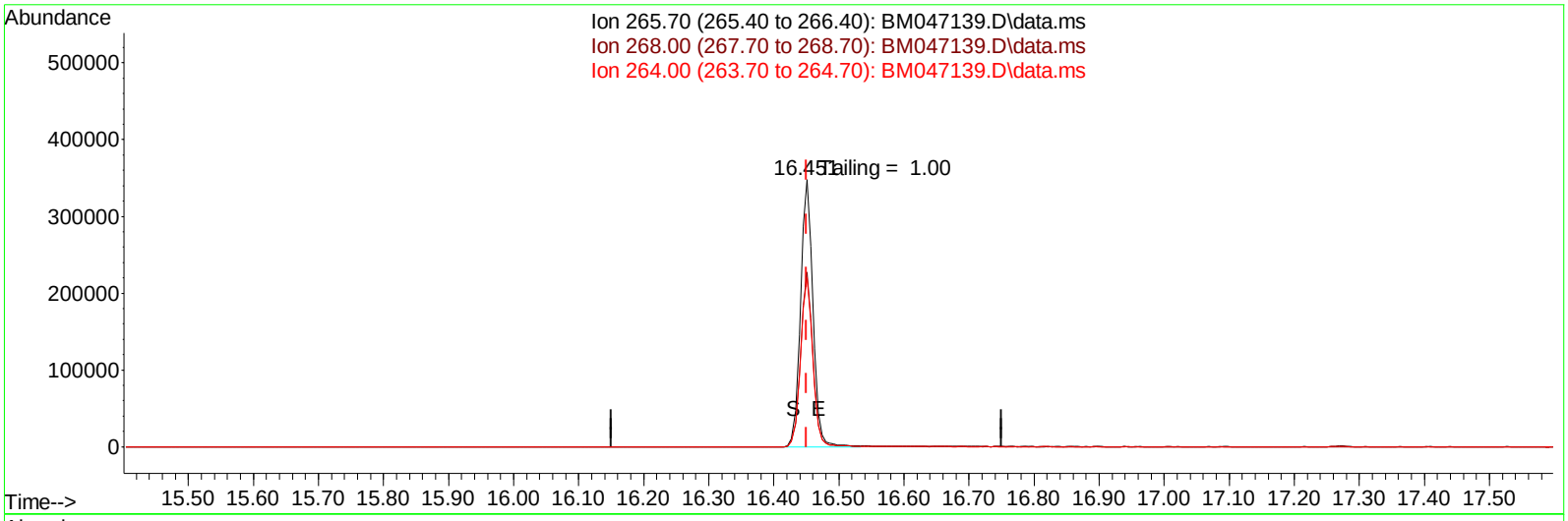
AutoFind: Scans 2444, 2445, 2446; Background Corrected with Scan 2437

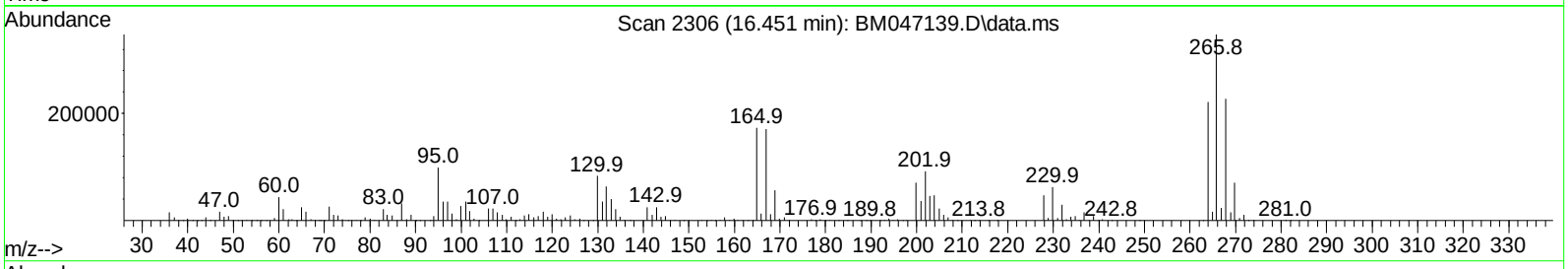
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.7	125256	PASS
68	69	0.00	2	1.3	2089	PASS
69	198	0.00	100	44.5	156224	PASS
70	69	0.00	2	0.5	803	PASS
127	198	10	80	49.9	174976	PASS
197	198	0.00	2	0.4	1460	PASS
198	198	100	100	100.0	350933	PASS
199	198	5	9	7.0	24517	PASS
275	198	10	60	25.8	90373	PASS
365	198	1	100	3.6	12789	PASS
441	198	0.01	100	9.2	32133	PASS
442	442	50	100	100.0	203891	PASS
443	442	15	24	19.7	40160	PASS

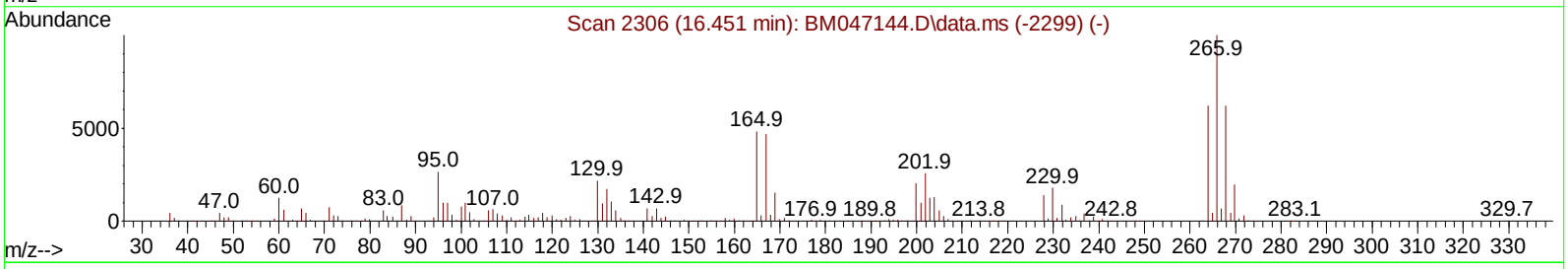
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047139.D
Acq On : 10 Aug 2024 12:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Aug 12 01:52:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration







TIC: BM047139.D\data.ms

(70) Pentachlorophenol (C)

16.451min (-0.000) 14982.60 ng

response 465922

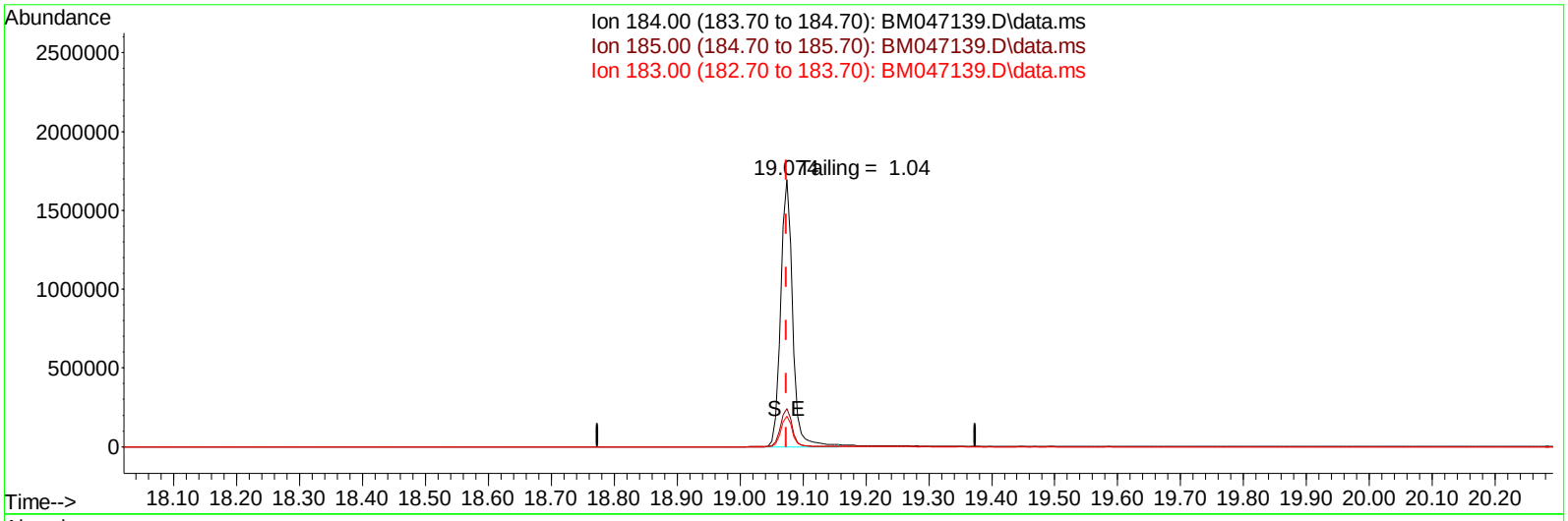
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	65.50
264.00	62.00	63.60
0.00	0.00	0.00

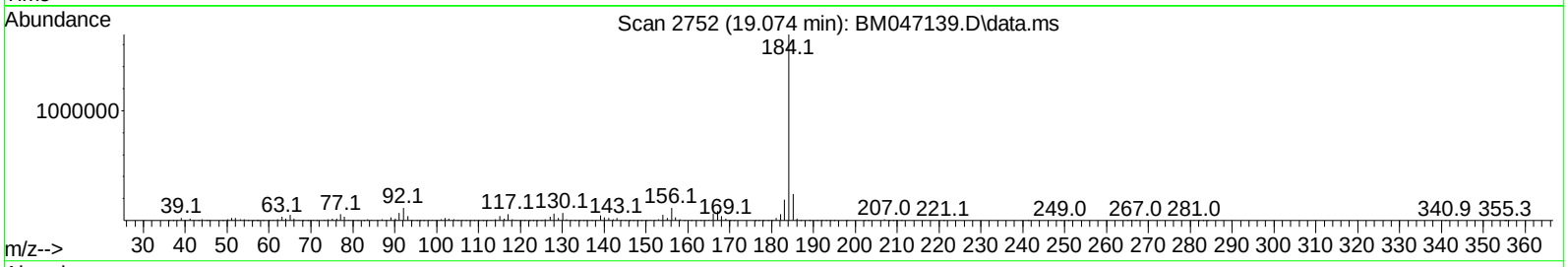
Sample Results: **BM047139.D**

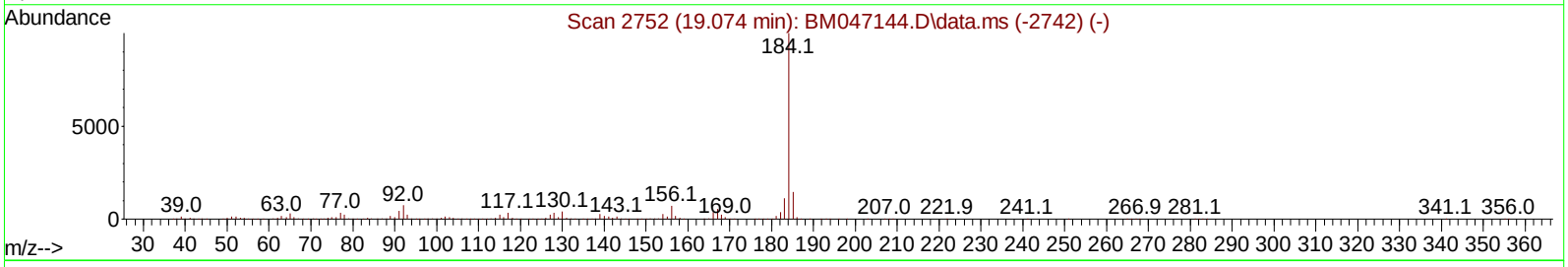
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081024\
Data File : BM047139.D
Acq On : 10 Aug 2024 12:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Aug 12 01:52:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration







TIC: BM047139.D\data.ms

(77) Benzidine

19.074min (-0.000) 6495.62 ng

response 2296747

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	14.34
183.00	11.30	11.36
0.00	0.00	0.00

Instrument :
BNA_M
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/10/2024	BNA_M	BM047139.D
Compound Name	**Response**	**Retention Time**
DDT	1324125	20.321
DDD	17903	19.927
DDE	740	19.362
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
18643	1342768	1.39

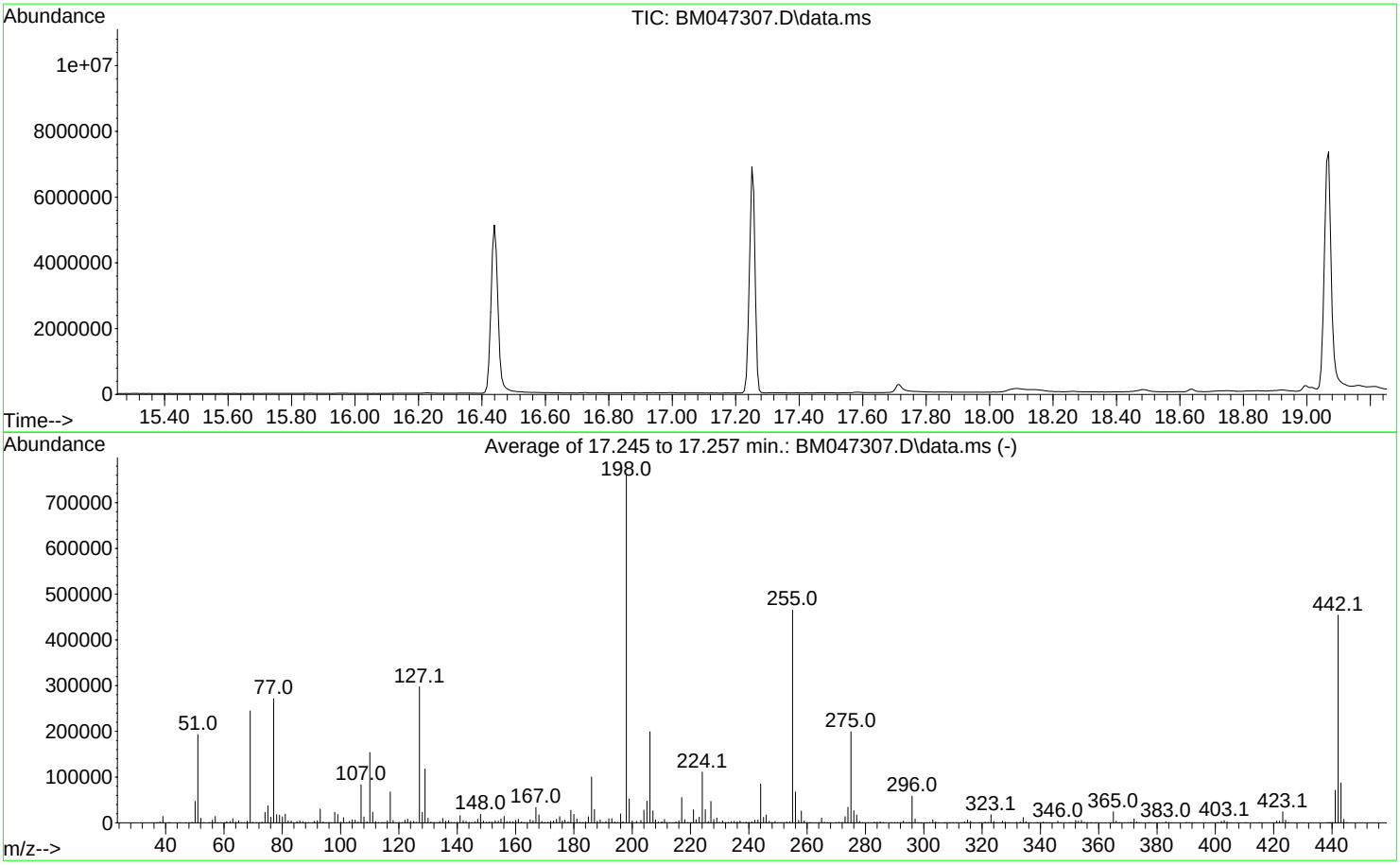
Sample Results: **BM047307.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047307.D
Acq On : 22 Aug 2024 08:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sun Aug 11 23:47:58 2024



AutoFind: Scans 2441, 2442, 2443; Background Corrected with Scan 2434

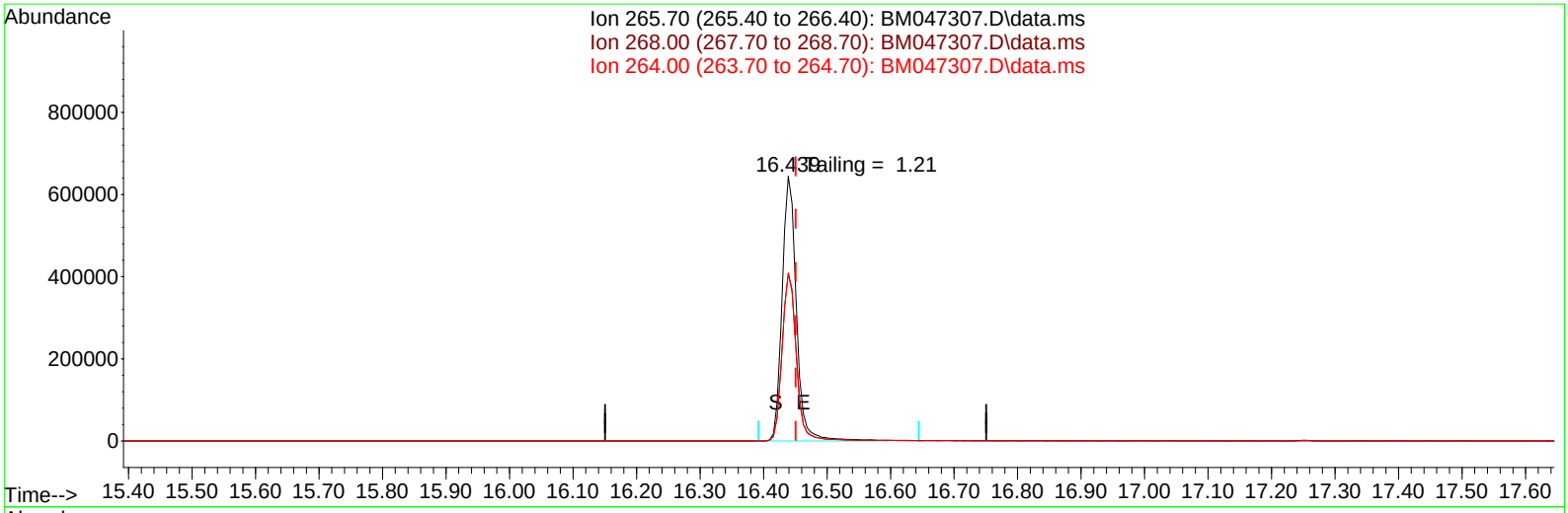
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	25.4	193181	PASS
68	69	0.00	2	1.5	3779	PASS
69	198	0.00	100	32.2	244634	PASS
70	69	0.00	2	0.4	1038	PASS
127	198	10	80	39.1	297621	PASS
197	198	0.00	2	0.3	2079	PASS
198	198	100	100	100.0	760427	PASS
199	198	5	9	6.9	52152	PASS
275	198	10	60	26.2	199595	PASS
365	198	1	100	3.2	24227	PASS
441	198	0.01	100	9.3	70976	PASS
442	442	50	100	100.0	454208	PASS
443	442	15	24	19.2	87264	PASS

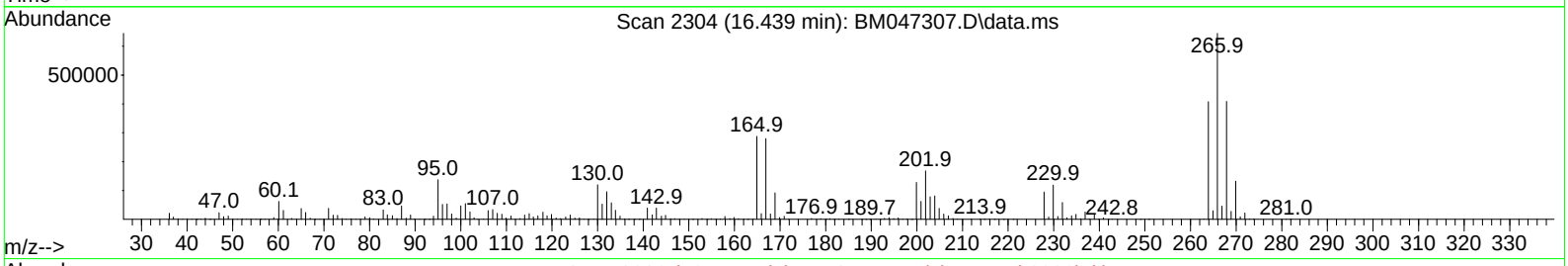
Sample Results: **BM047307.D**

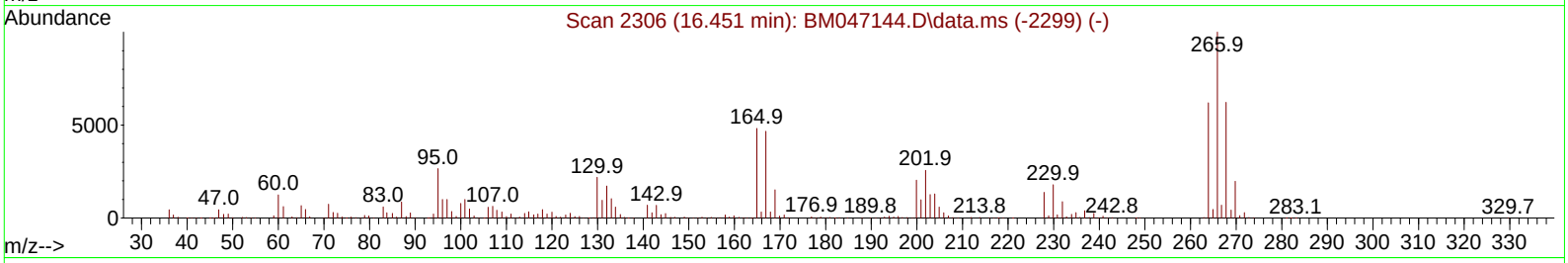
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047307.D
Acq On : 22 Aug 2024 08:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Aug 22 10:58:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration







TIC: BM047307.D\data.ms

(70) Pentachlorophenol (C)

16.439min (-0.012) 305697.00 ng

response 1016426

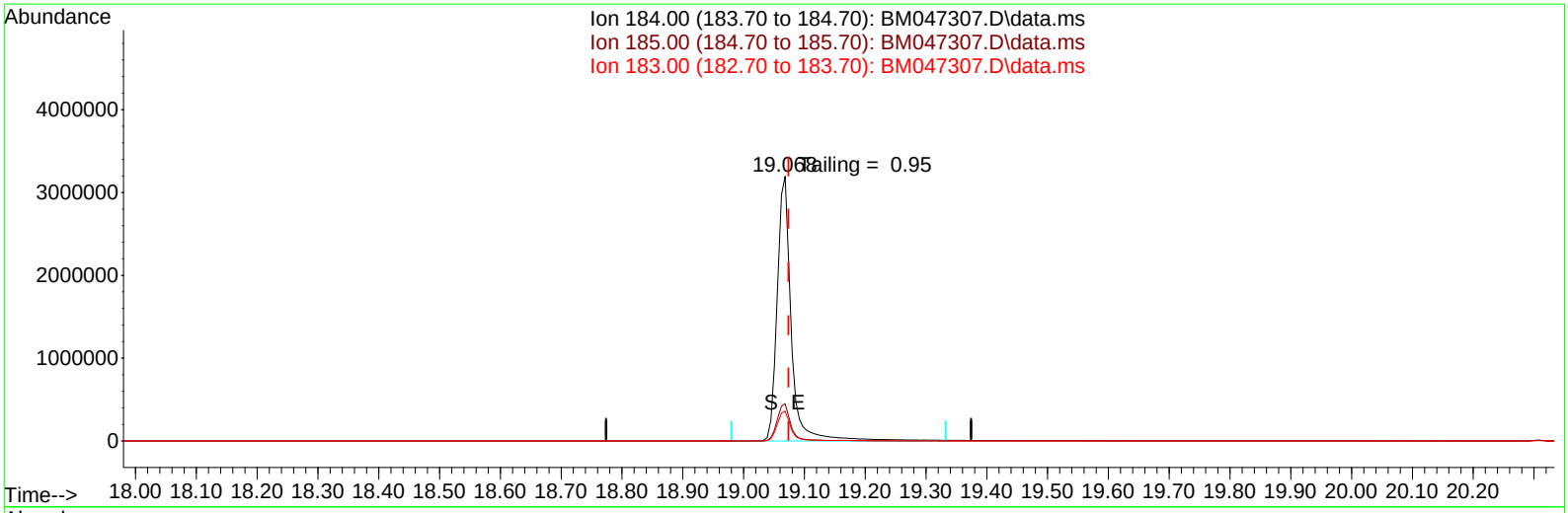
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	63.44
264.00	62.00	63.25
0.00	0.00	0.00

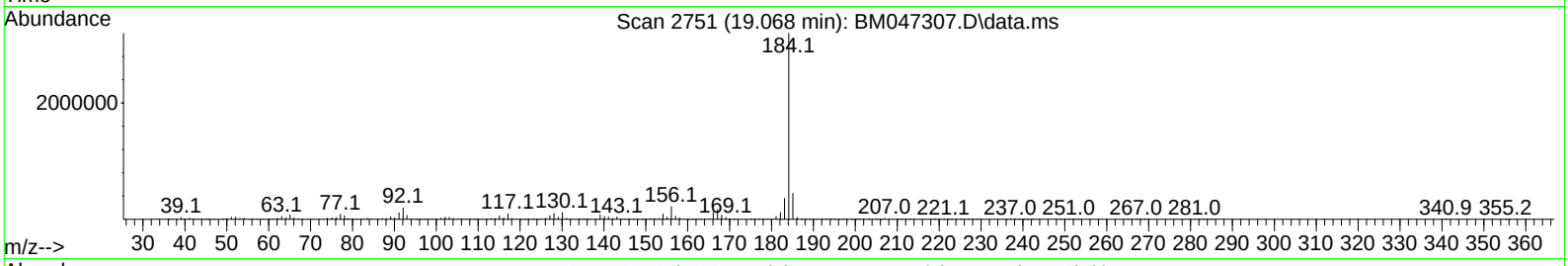
Sample Results: **BM047307.D**

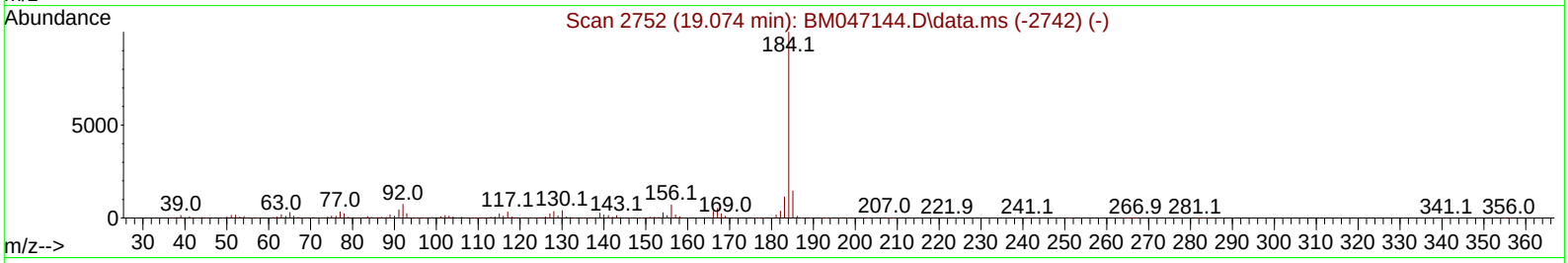
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047307.D
Acq On : 22 Aug 2024 08:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Aug 22 10:58:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration







TIC: BM047307.D\data.ms

(77) Benzidine

19.068min (-0.006) 142115.28 ng

response 5191261

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	14.05
183.00	11.30	11.27
0.00	0.00	0.00

Instrument :
BNA_M
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/22/2024	BNA_M	BM047307.D
Compound Name	**Response**	**Retention Time**
DDT	2599731	20.309
DDD	150494	19.868
DDE	4792	19.351
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
155286	2755017	5.64

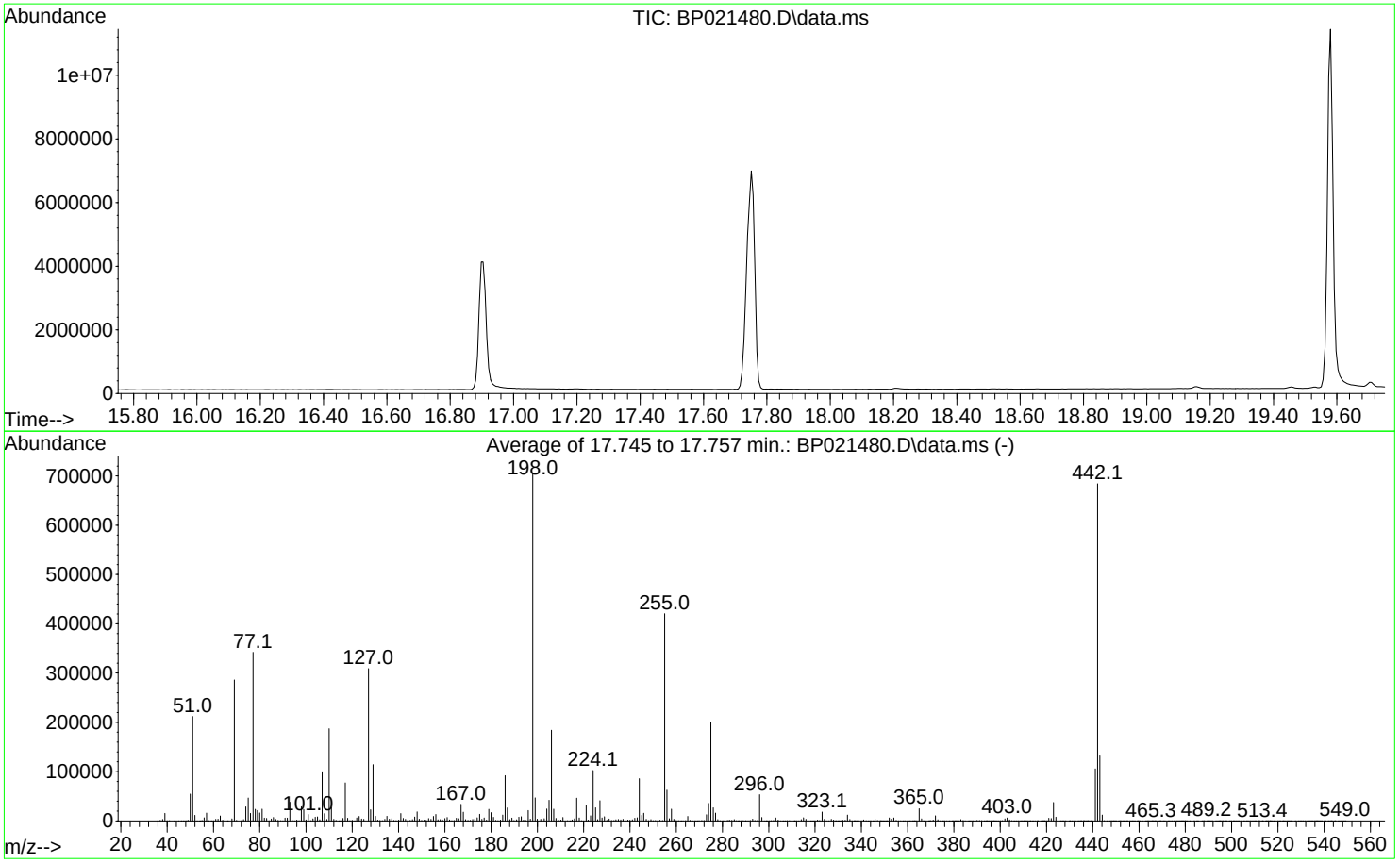
Sample Results: **BP021480.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021480.D
Acq On : 13 Aug 2024 11:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 14 00:00:30 2024



AutoFind: Scans 2509, 2510, 2511; Background Corrected with Scan 2499

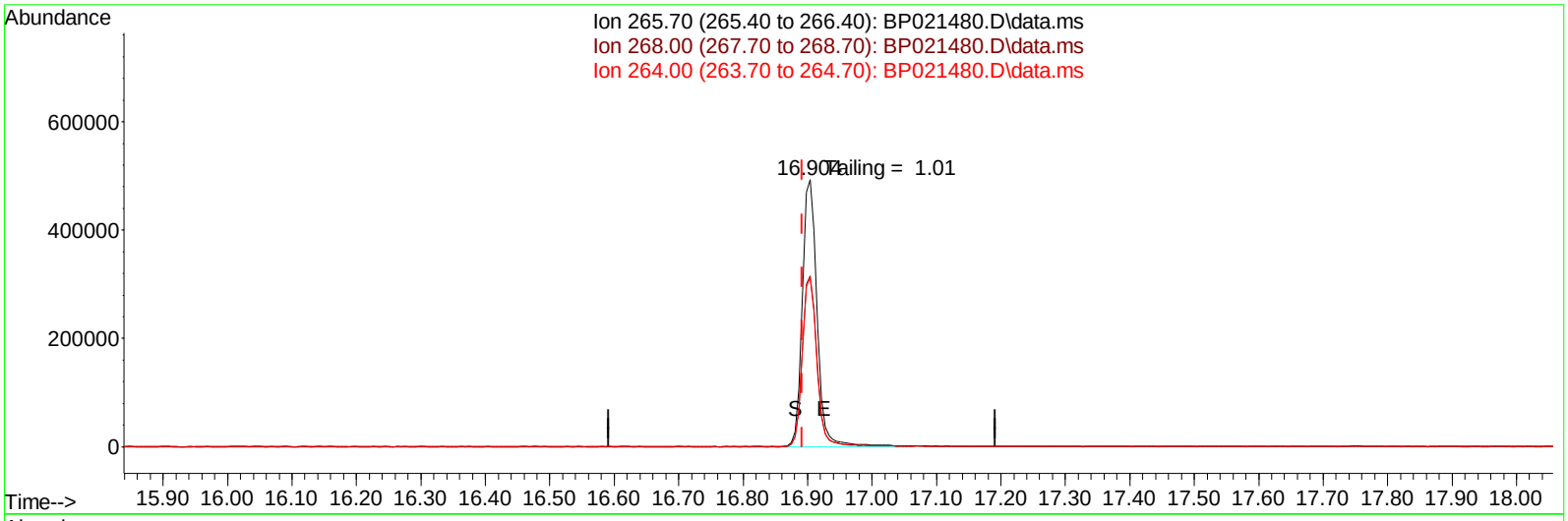
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.1	212028	PASS
68	69	0.00	2	1.5	4256	PASS
69	198	0.00	100	40.6	286100	PASS
70	69	0.00	2	0.4	1197	PASS
127	198	10	80	43.9	309160	PASS
197	198	0.00	2	0.5	3666	PASS
198	198	100	100	100.0	704123	PASS
199	198	5	9	6.6	46731	PASS
275	198	10	60	28.5	200892	PASS
365	198	1	100	3.5	24968	PASS
441	198	0.01	100	15.0	105600	PASS
442	442	100	100	100.0	684335	PASS
443	442	15	24	19.3	131982	PASS

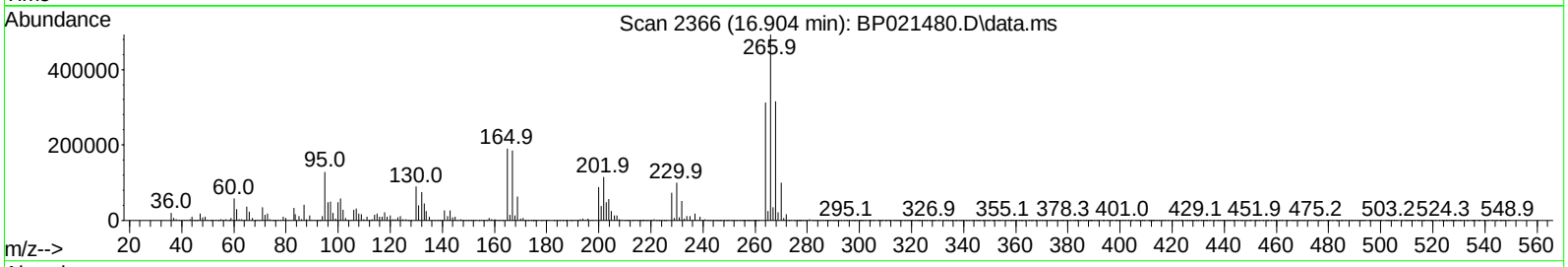
Sample Results: **BP021480.D**

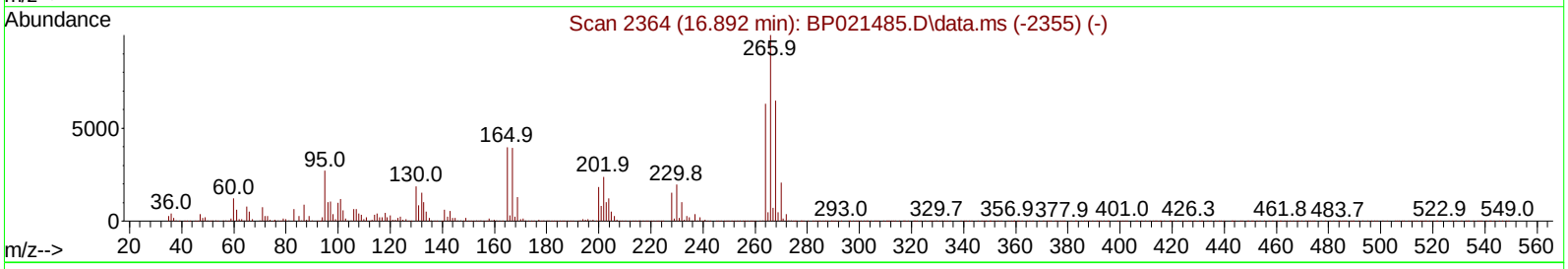
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021480.D
Acq On : 13 Aug 2024 11:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 14 00:14:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration







TIC: BP021480.D\data.ms

(70) Pentachlorophenol (C)

16.904min (+ 0.012) 6855729.98 ng

response 795611

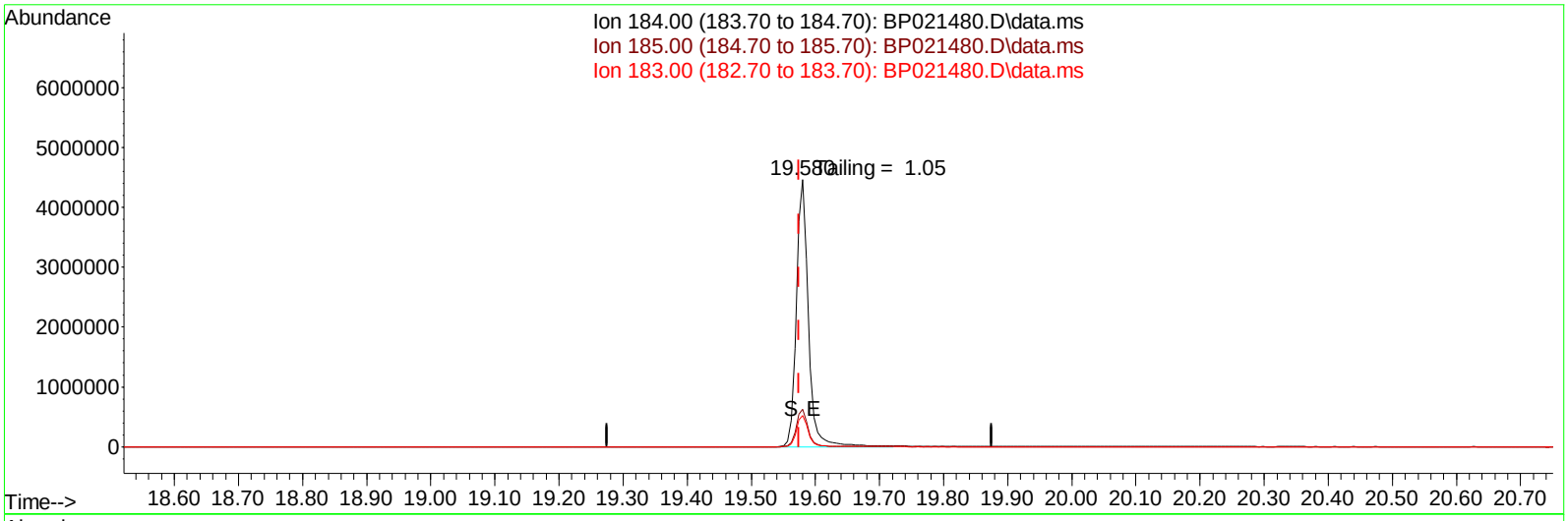
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.70	64.10
264.00	63.10	63.36
0.00	0.00	0.00

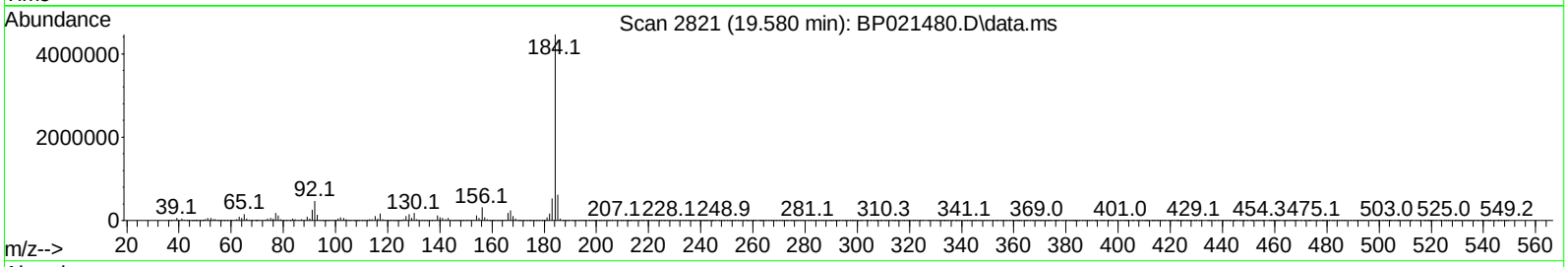
Sample Results: **BP021480.D**

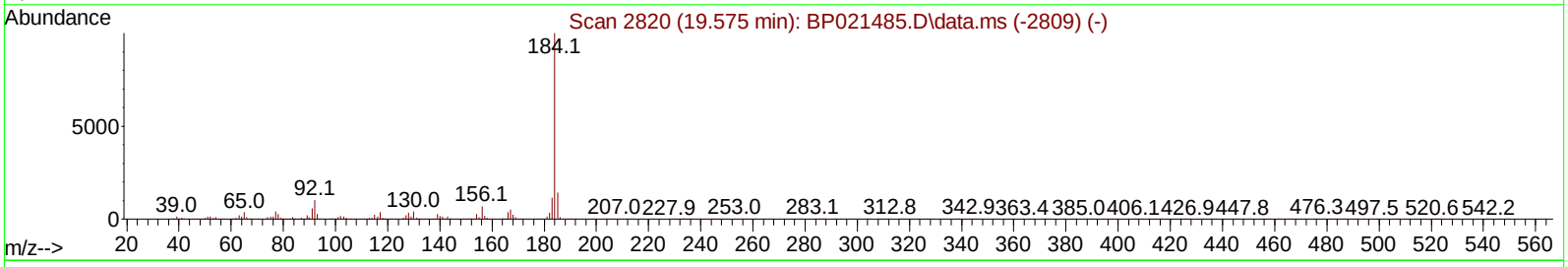
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021480.D
Acq On : 13 Aug 2024 11:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 14 00:14:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration







TIC: BP021480.D\data.ms

(77) Benzidine

19.580min (+ 0.005) -20.00 ng

response 5830874

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.20	14.05
183.00	11.60	11.75
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/13/2024	BNA_P	BP021480.D
Compound Name	**Response**	**Retention Time**
DDT	2081689	20.88
DDD	17224	20.486
DDE	158	19.962
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
17382	2099071	0.83

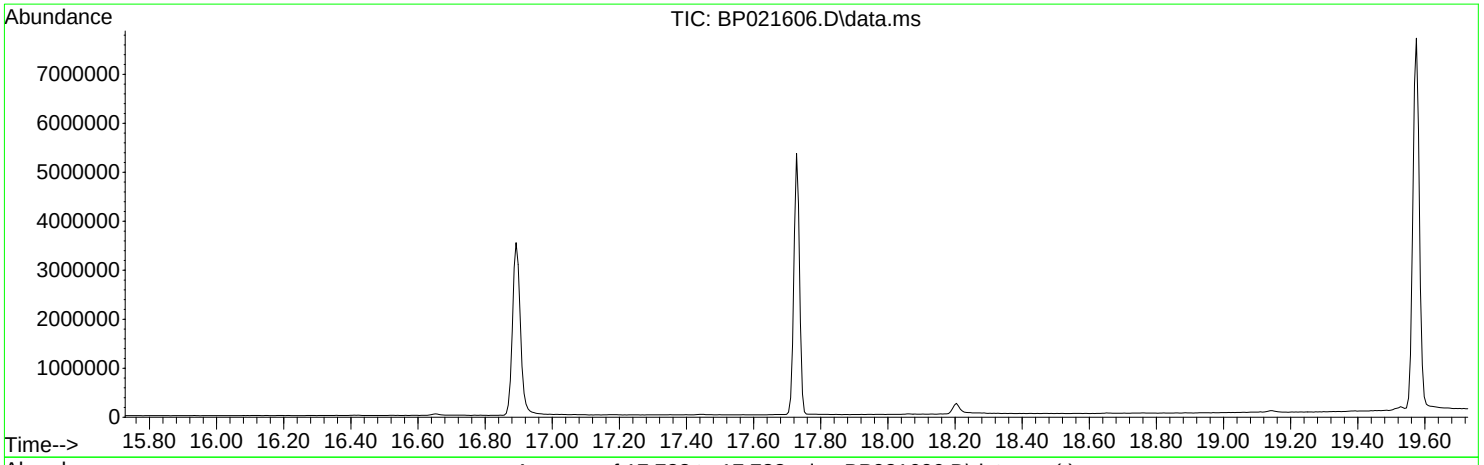
Sample Results: **BP021606.D**

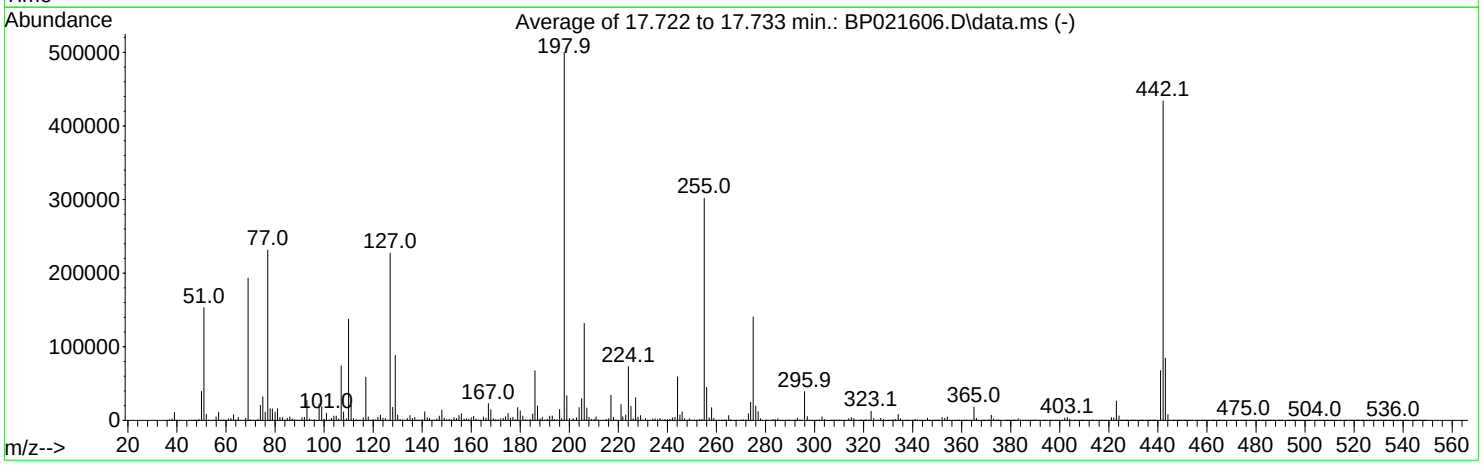
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
Data File : BP021606.D
Acq On : 22 Aug 2024 08:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 22 11:12:31 2024





AutoFind: Scans 2505, 2506, 2507; Background Corrected with Scan 2496

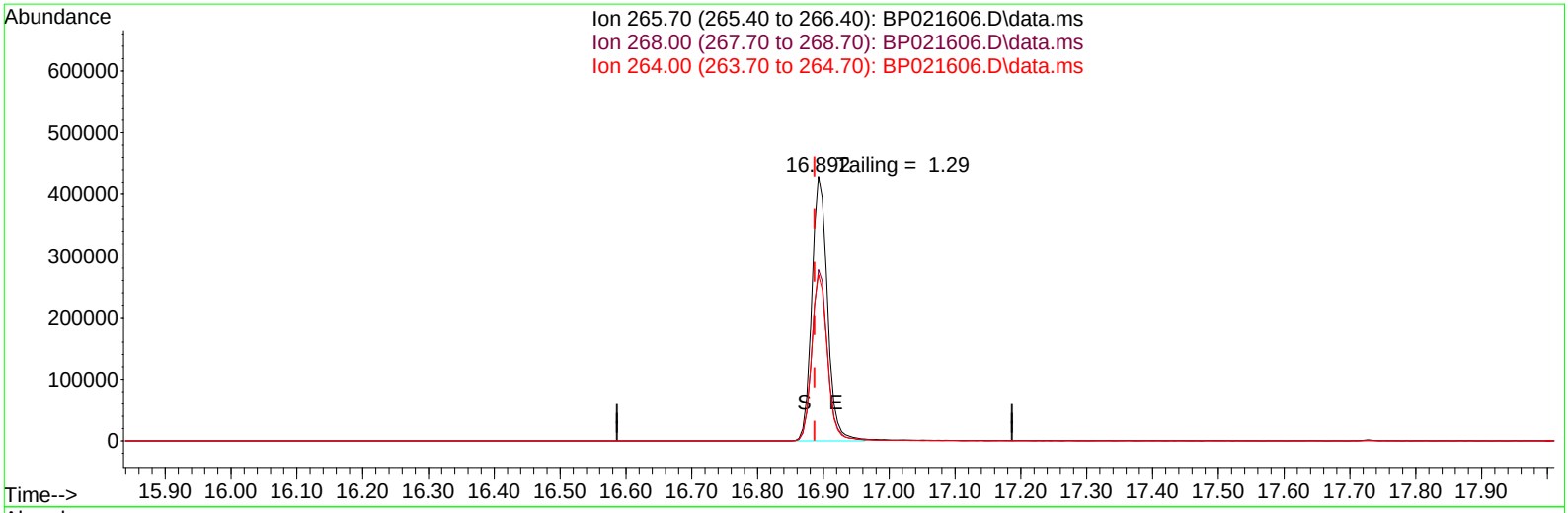
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.6	152975	PASS
68	69	0.00	2	1.4	2772	PASS
69	198	0.00	100	38.7	193286	PASS
70	69	0.00	2	0.5	912	PASS
127	198	10	80	45.5	227361	PASS
197	198	0.00	2	0.5	2487	PASS
198	198	100	100	100.0	499840	PASS
199	198	5	9	6.7	33470	PASS
275	198	10	60	28.1	140549	PASS
365	198	1	100	3.6	17954	PASS
441	198	0.01	100	13.5	67555	PASS
442	442	100	100	100.0	434035	PASS
443	442	15	24	19.5	84674	PASS

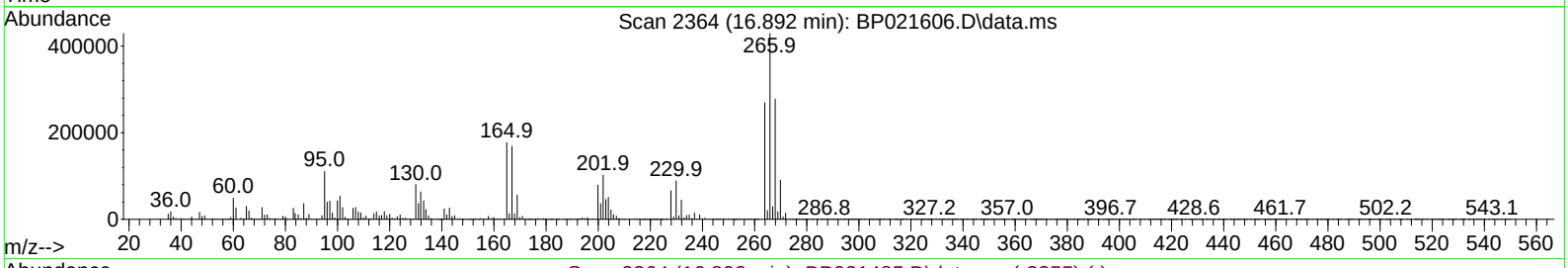
Sample Results: **BP021606.D**

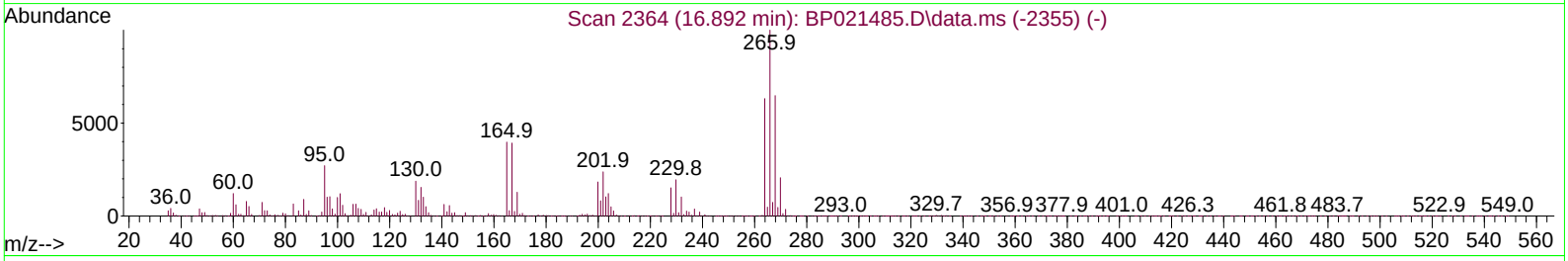
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
Data File : BP021606.D
Acq On : 22 Aug 2024 08:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 23 01:29:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 2024
Response via : Initial Calibration







TIC: BP021606.D\data.ms

(70) Pentachlorophenol (C)

16.892min (+ 0.006) 219133.64 ng

response 712056

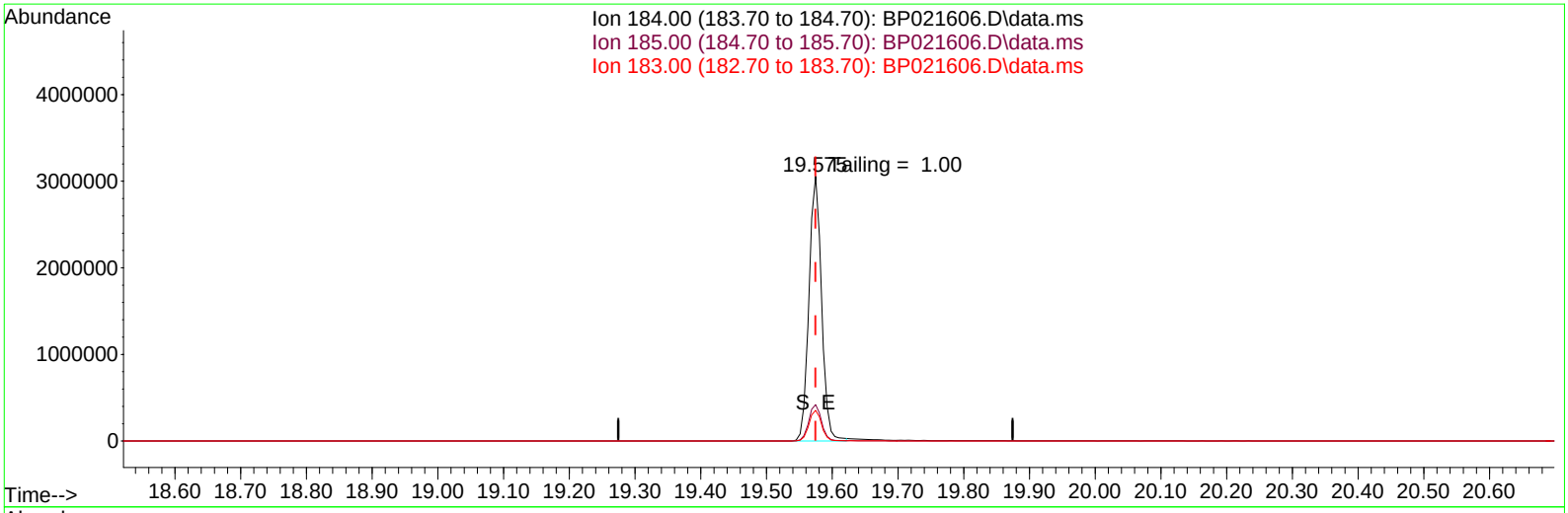
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.70	64.61
264.00	63.10	62.72
0.00	0.00	0.00

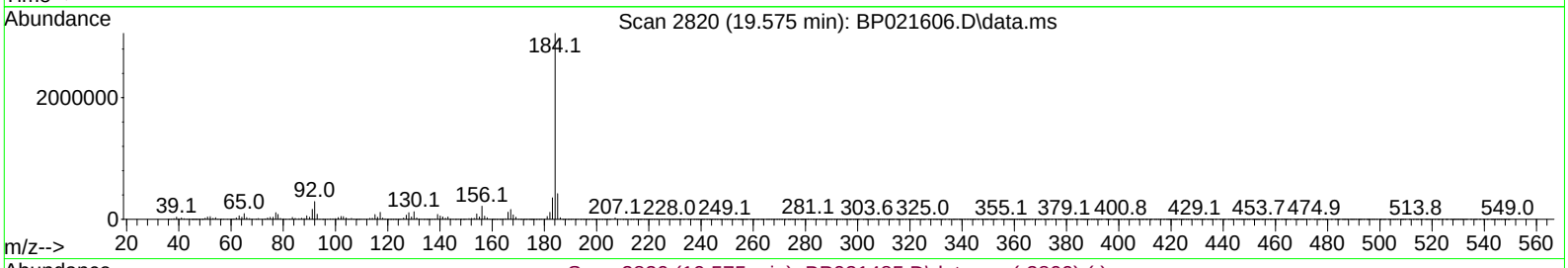
Sample Results: **BP021606.D**

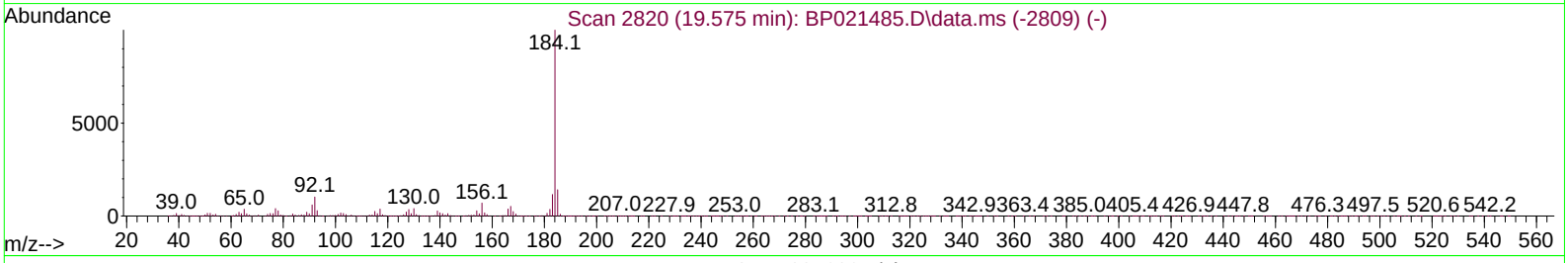
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082224\
Data File : BP021606.D
Acq On : 22 Aug 2024 08:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 23 01:29:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 11:12:31 2024
Response via : Initial Calibration







TIC: BP021606.D\data.ms

(77) Benzidine

19.575min (-0.000) -20.00 ng

response 4143250

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.20	13.76
183.00	11.60	11.60
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/22/2024	BNA_P	BP021606.D
Compound Name	**Response**	**Retention Time**
DDT	1848167	20.88
DDD	72708	20.416
DDE	3986	19.886
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
76694	1924861	3.98

Raw Data: **BM047309.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162876BL	SDG No.:	P3671
Lab Sample ID:	PB162876BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047309.D	1	08/21/24 08:50	08/22/24 09:54	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	79.8	U	79.8	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	330	ug/Kg
95-48-7	2-Methylphenol	80.5	U	80.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.7	U	79.7	330	ug/Kg
67-72-1	Hexachloroethane	82.9	U	82.9	170	ug/Kg
98-95-3	Nitrobenzene	90.7	U	90.7	170	ug/Kg
91-20-3	Naphthalene	82.5	U	82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.2	U	83.2	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	170	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.0	U	74.0	170	ug/Kg
208-96-8	Acenaphthylene	86.4	U	86.4	170	ug/Kg
83-32-9	Acenaphthene	81.0	U	81.0	170	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	170	ug/Kg
87-86-5	Pentachlorophenol	77.2	U	77.2	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	170	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	170	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.0	U	81.0	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	170	ug/Kg

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162876BL	SDG No.:	P3671
Lab Sample ID:	PB162876BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047309.D	1	08/21/24 08:50	08/22/24 09:54	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
50-32-8	Benzo(a)pyrene	92.9	U	92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.0	U	78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.0	U	80.0	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	120		30 (18) - 130 (112)	80%	SPK: 150
13127-88-3	Phenol-d6	111		30 (15) - 130 (107)	74%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.6		30 (18) - 130 (107)	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.3		30 (20) - 130 (109)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		30 (10) - 130 (116)	90%	SPK: 150
1718-51-0	Terphenyl-d14	92.6		30 (10) - 130 (105)	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	282000	7.351			
1146-65-2	Naphthalene-d8	1080000	10.104			
15067-26-2	Acenaphthene-d10	756000	14.01			
1517-22-2	Phenanthrene-d10	1700000	16.774			
1719-03-5	Chrysene-d12	1660000	21.015			
1520-96-3	Perylene-d12	1650000	23.709			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047309.D
Acq On : 22 Aug 2024 09:54
Operator : RC/JU
Sample : PB162876BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB162876BL

Quant Time: Aug 22 11:00:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

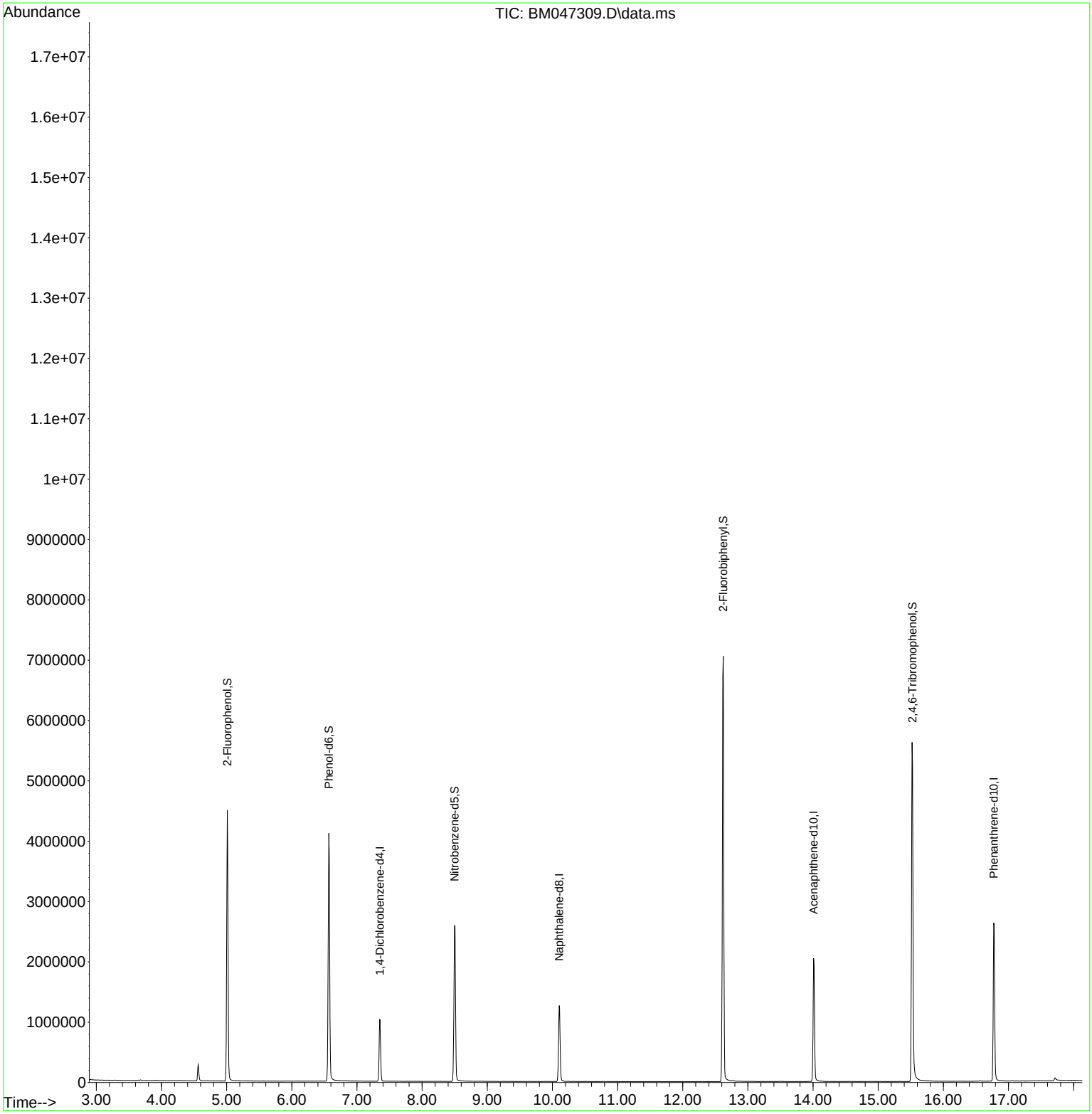
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	281766	20.000	ng	-0.02
21) Naphthalene-d8	10.104	136	1075987	20.000	ng	-0.03
39) Acenaphthene-d10	14.010	164	756240	20.000	ng	-0.02
64) Phenanthrene-d10	16.774	188	1704432	20.000	ng	-0.02
76) Chrysene-d12	21.015	240	1659655	20.000	ng	-0.02
86) Perylene-d12	23.709	264	1651863	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1889403	119.818	ng	-0.01
7) Phenol-d6	6.569	99	2418934	111.327	ng	-0.02
23) Nitrobenzene-d5	8.498	82	1594197	74.604	ng	-0.02
42) 2,4,6-Tribromophenol	15.527	330	1181198	134.706	ng	-0.01
45) 2-Fluorobiphenyl	12.621	172	3839979	78.325	ng	-0.02
79) Terphenyl-d14	19.445	244	7172700	92.606	ng	-0.02
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047309.D
Acq On : 22 Aug 2024 09:54
Operator : RC/JU
Sample : PB162876BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB162876BL

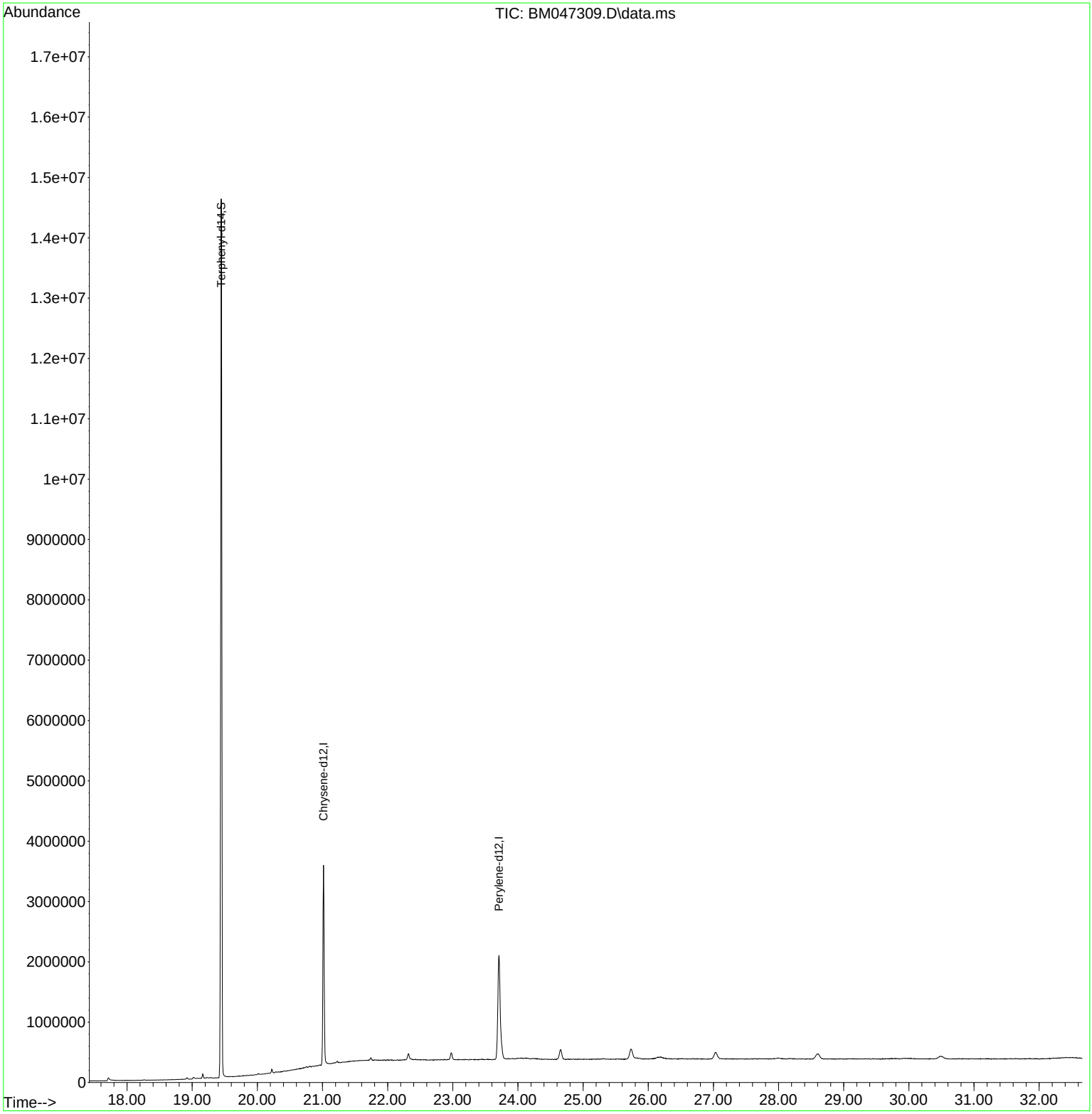
Quant Time: Aug 22 11:00:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

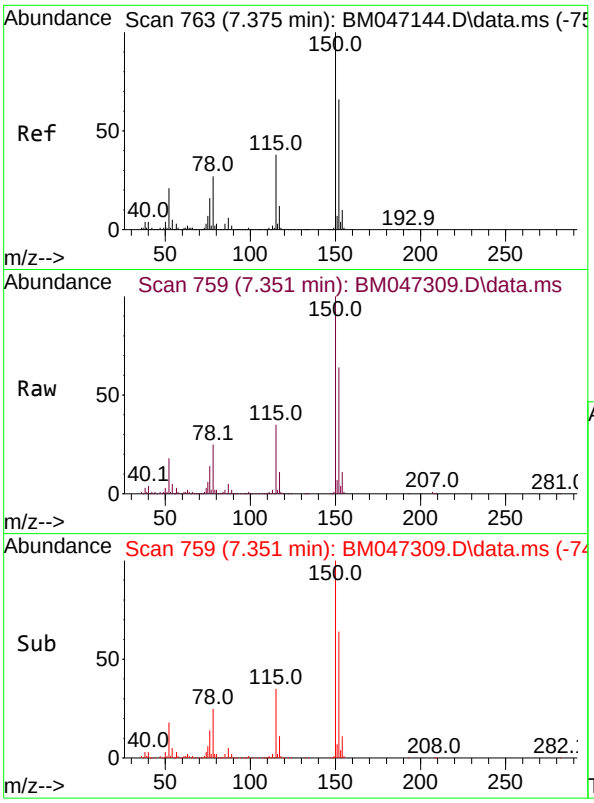


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047309.D
Acq On : 22 Aug 2024 09:54
Operator : RC/JU
Sample : PB162876BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB162876BL

Quant Time: Aug 22 11:00:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration



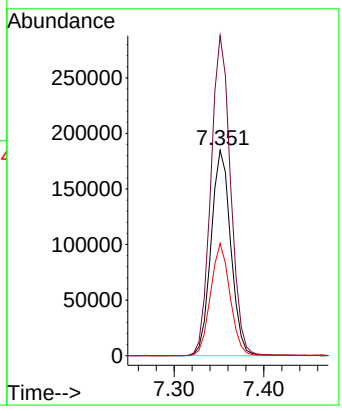


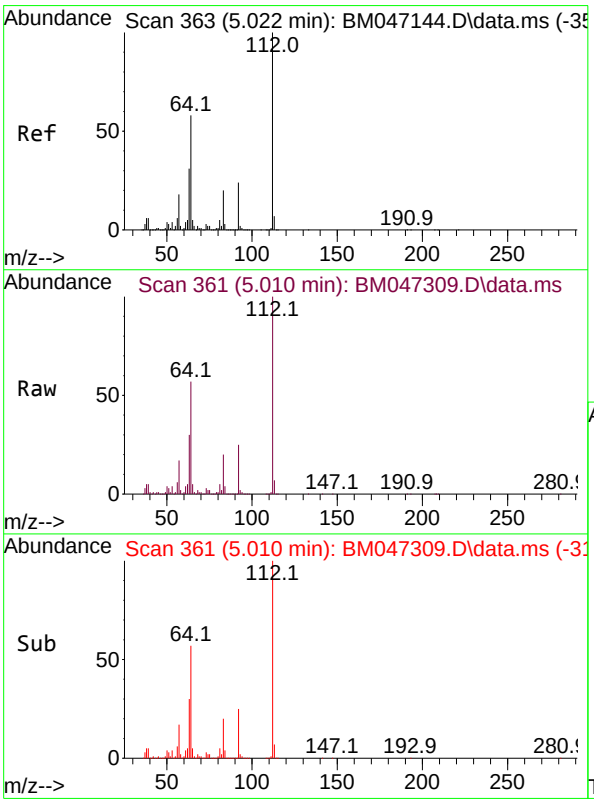
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 7
Delta R.T. -0.024 min
Lab File: BM047309.D
Acq: 22 Aug 2024 09:54

Instrument :
BNA_M
ClientSampleId :
PB162876BL

Tgt Ion:152 Resp: 281766

Ion	Ratio	Lower	Upper
152	100		
150	155.8	120.5	180.7
115	54.7	45.5	68.3

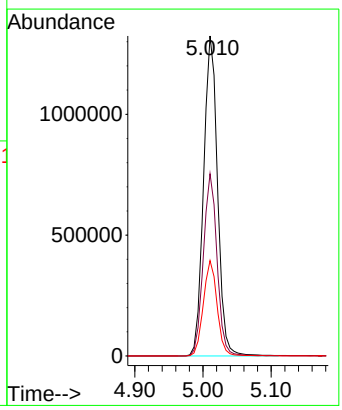


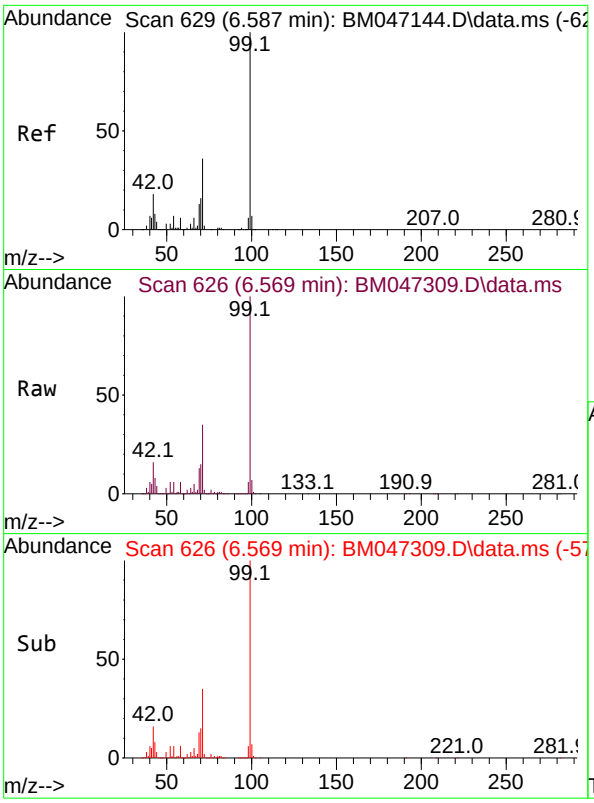


#5
2-Fluorophenol
Concen: 119.818 ng
RT: 5.010 min Scan# 361
Delta R.T. -0.012 min
Lab File: BM047309.D
Acq: 22 Aug 2024 09:54

Tgt Ion:112 Resp: 1889403

Ion	Ratio	Lower	Upper
112	100		
64	56.9	46.7	70.1
63	29.8	24.8	37.2



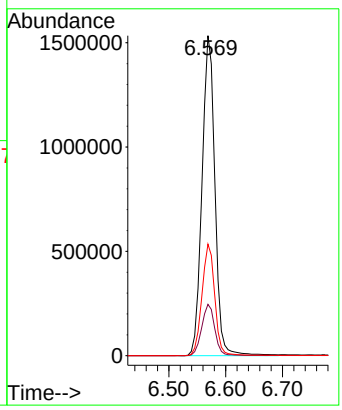


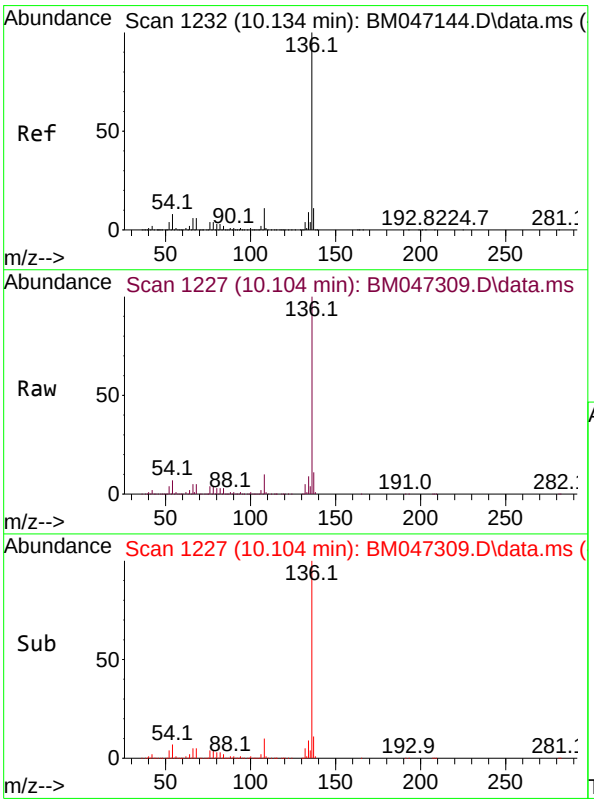
#7
Phenol-d6
Concen: 111.327 ng
RT: 6.569 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM047309.D
Acq: 22 Aug 2024 09:54

Instrument :
BNA_M
ClientSampleId :
PB162876BL

Tgt Ion: 99 Resp: 2418934

Ion	Ratio	Lower	Upper
99	100		
42	16.1	14.1	21.1
71	34.8	28.5	42.7

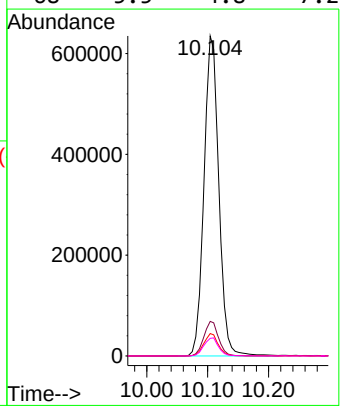


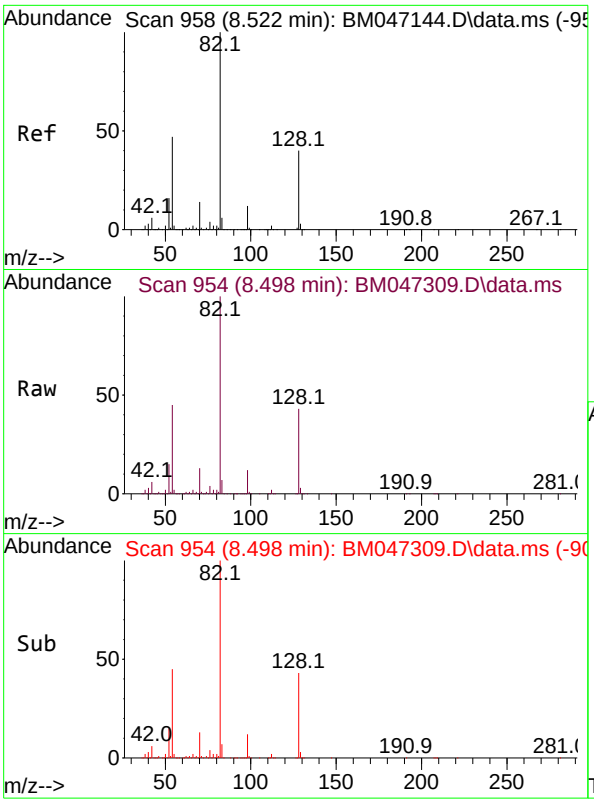


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. -0.030 min
Lab File: BM047309.D
Acq: 22 Aug 2024 09:54

Tgt Ion:136 Resp: 1075987

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.0	6.0	9.0
68	5.5	4.8	7.2



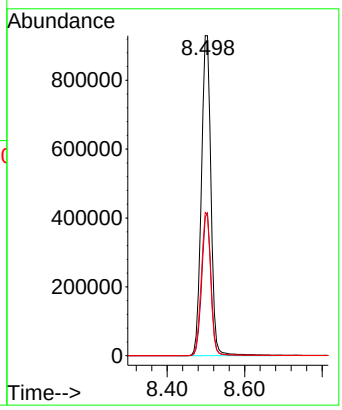


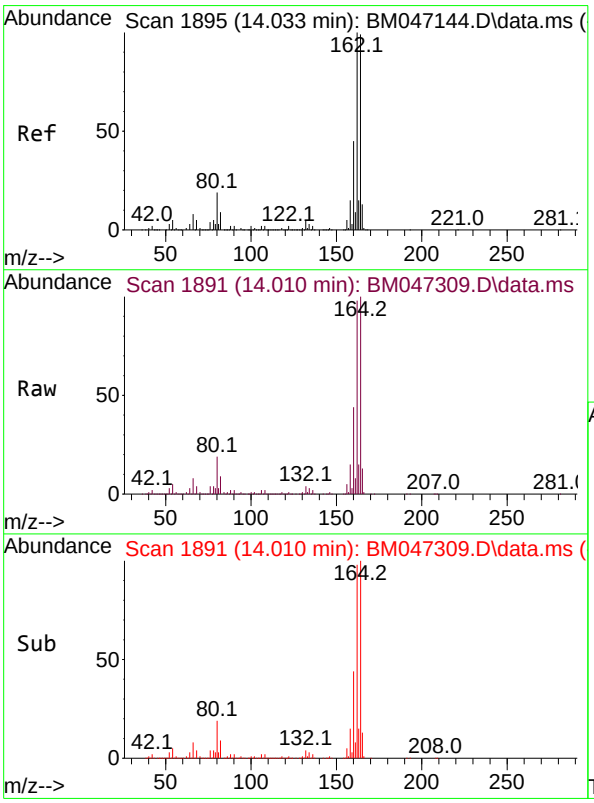
#23
Nitrobenzene-d5
Concen: 74.604 ng
RT: 8.498 min Scan# 9
Delta R.T. -0.024 min
Lab File: BM047309.D
Acq: 22 Aug 2024 09:54

Instrument :
BNA_M
ClientSampleId :
PB162876BL

Tgt Ion: 82 Resp: 1594197

Ion	Ratio	Lower	Upper
82	100		
128	43.2	32.3	48.5
54	44.8	37.4	56.2

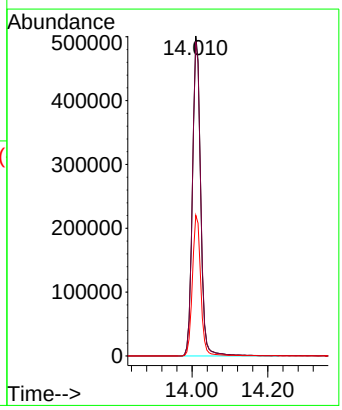


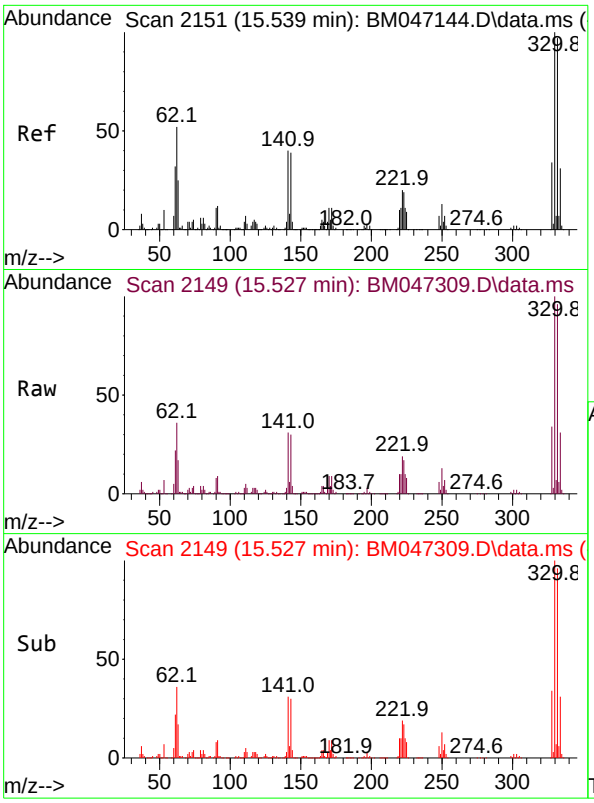


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.024 min
Lab File: BM047309.D
Acq: 22 Aug 2024 09:54

Tgt Ion:164 Resp: 756240

Ion	Ratio	Lower	Upper
164	100		
162	98.2	80.7	121.1
160	44.0	36.0	54.0



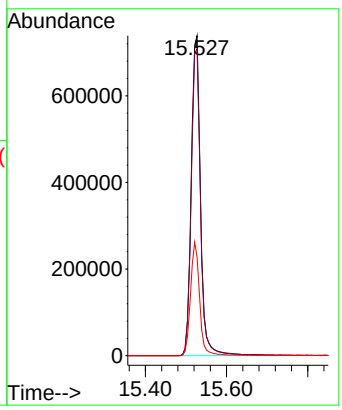


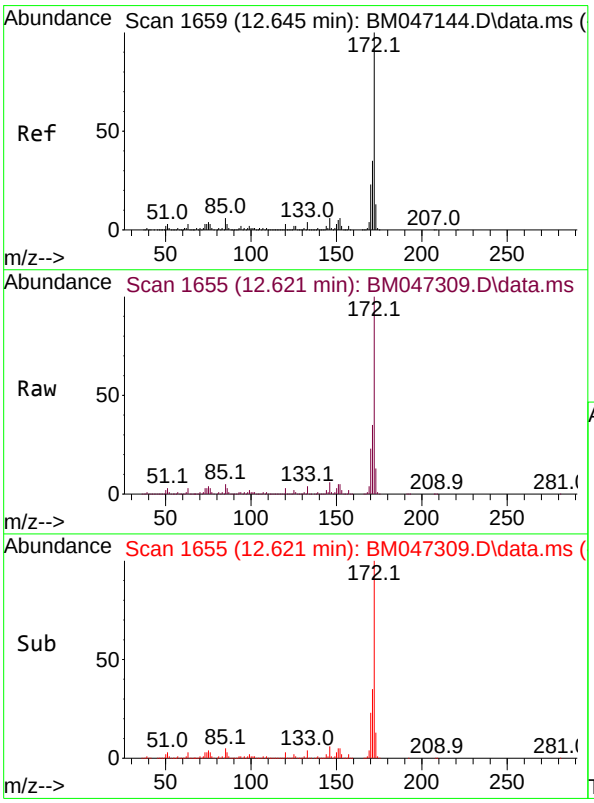
#42
2,4,6-Tribromophenol
Concen: 134.706 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM047309.D
Acq: 22 Aug 2024 09:54

Instrument :
BNA_M
ClientSampleId :
PB162876BL

Tgt Ion:330 Resp: 1181198

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.2
141	34.9	31.6	47.4

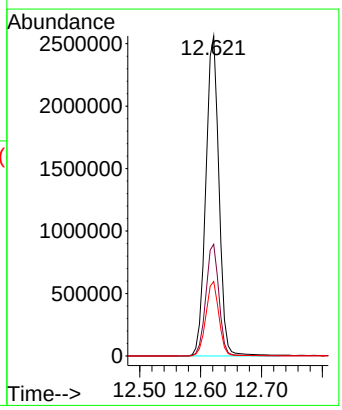


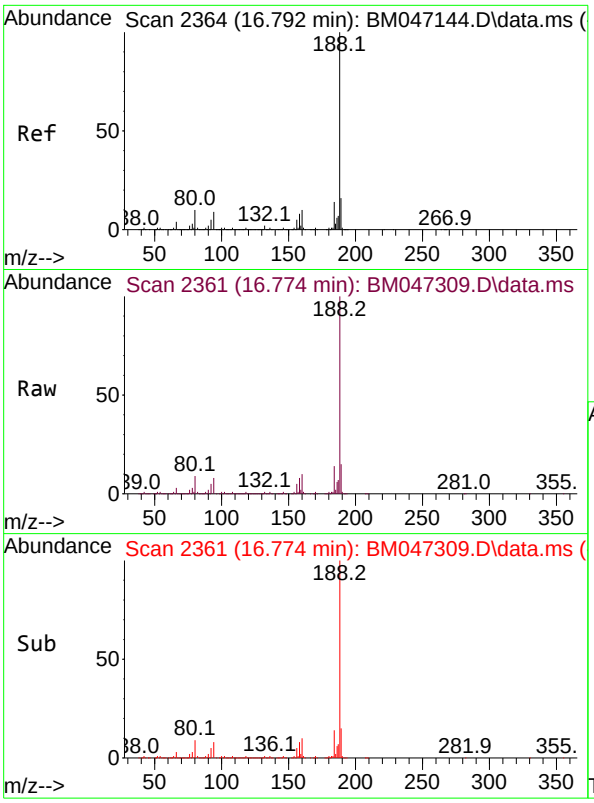


#45
2-Fluorobiphenyl
Concen: 78.325 ng
RT: 12.621 min Scan# 1655
Delta R.T. -0.024 min
Lab File: BM047309.D
Acq: 22 Aug 2024 09:54

Tgt Ion:172 Resp: 3839979

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.2	18.7	28.1



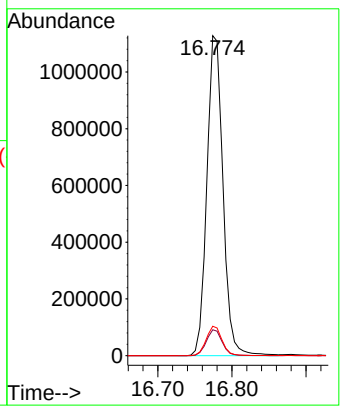


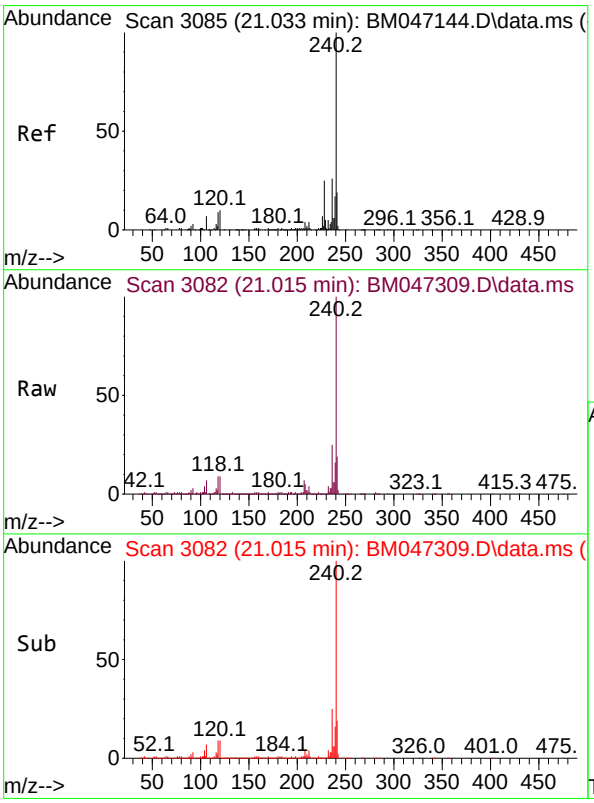
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.774 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047309.D
Acq: 22 Aug 2024 09:54

Instrument :
BNA_M
ClientSampleId :
PB162876BL

Tgt Ion:188 Resp: 1704432

Ion	Ratio	Lower	Upper
188	100		
94	8.1	7.0	10.6
80	9.2	8.0	12.0

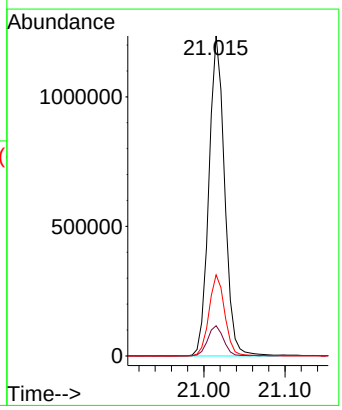


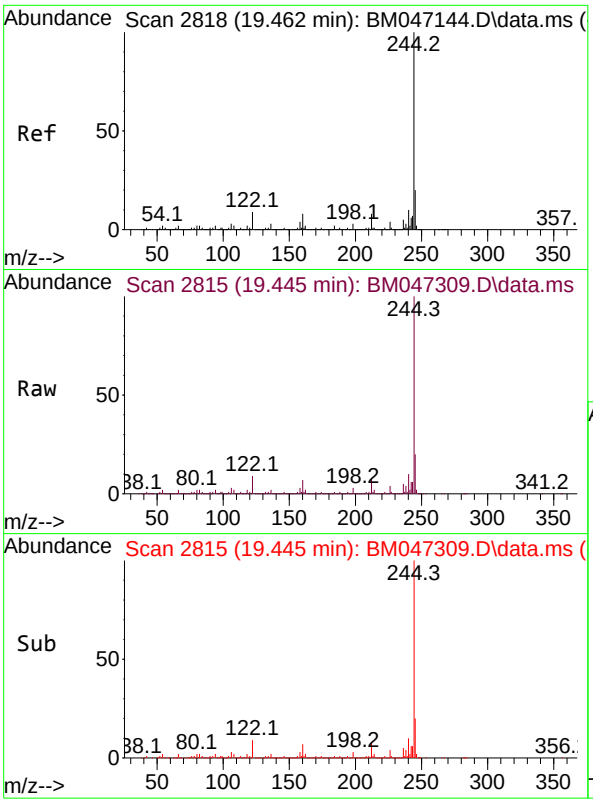


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.015 min Scan# 3082
Delta R.T. -0.018 min
Lab File: BM047309.D
Acq: 22 Aug 2024 09:54

Tgt Ion:240 Resp: 1659655

Ion	Ratio	Lower	Upper
240	100		
120	9.5	8.2	12.2
236	25.4	20.6	30.8



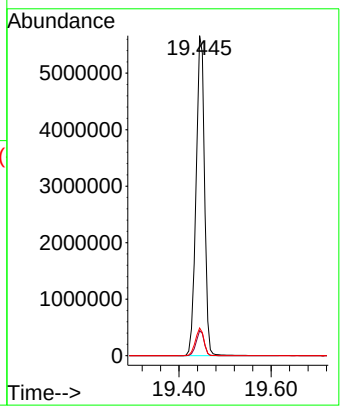


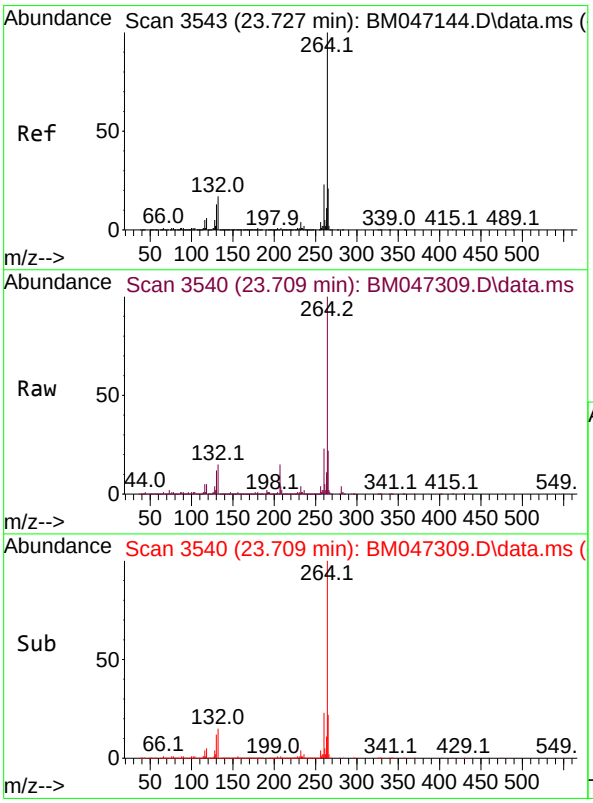
#79
Terphenyl-d14
Concen: 92.606 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047309.D
Acq: 22 Aug 2024 09:54

Instrument :
BNA_M
ClientSampleId :
PB162876BL

Tgt Ion:244 Resp: 7172700

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.4
122	8.6	7.1	10.7

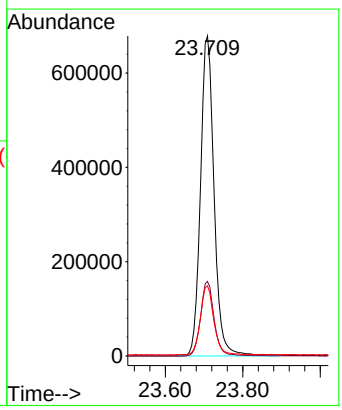




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.709 min Scan# 3540
Delta R.T. -0.018 min
Lab File: BM047309.D
Acq: 22 Aug 2024 09:54

Tgt Ion:264 Resp: 1651863

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	21.9	17.3	25.9



Raw Data: **BM047310.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162876BS	SDG No.:	P3671
Lab Sample ID:	PB162876BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047310.D	1	08/21/24 08:50	08/22/24 10:33	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	1000		79.9	170	ug/Kg
100-52-7	Benzaldehyde	900		180	330	ug/Kg
95-48-7	2-Methylphenol	1400		80.6	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.8	330	ug/Kg
67-72-1	Hexachloroethane	1400		83.0	170	ug/Kg
98-95-3	Nitrobenzene	1300		90.8	170	ug/Kg
91-20-3	Naphthalene	1400		82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.3	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.5	170	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		74.0	170	ug/Kg
208-96-8	Acenaphthylene	1500		86.5	170	ug/Kg
83-32-9	Acenaphthene	1500		81.1	170	ug/Kg
132-64-9	Dibenzofuran	1500		84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.2	170	ug/Kg
86-73-7	Fluorene	1500		85.5	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		85.0	170	ug/Kg
87-86-5	Pentachlorophenol	3000	E	77.3	330	ug/Kg
85-01-8	Phenanthrene	1500		84.0	170	ug/Kg
120-12-7	Anthracene	1600		84.4	170	ug/Kg
86-74-8	Carbazole	1500		80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.3	170	ug/Kg
206-44-0	Fluoranthene	1500		81.7	170	ug/Kg
129-00-0	Pyrene	1600		83.0	170	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.7	170	ug/Kg
218-01-9	Chrysene	1500		79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		91.0	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81.1	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		82.6	170	ug/Kg

Raw Data: **BM047310.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162876BS	SDG No.:	P3671
Lab Sample ID:	PB162876BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047310.D	1	08/21/24 08:50	08/22/24 10:33	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
50-32-8	Benzo(a)pyrene	1600		93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		80.1	170	ug/Kg
123-91-1	1,4-Dioxane	1100		110	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.2	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	129		30 (18) - 130 (112)	86%	SPK: 150
13127-88-3	Phenol-d6	120		30 (15) - 130 (107)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.7		30 (18) - 130 (107)	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.8		30 (20) - 130 (109)	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		30 (10) - 130 (116)	94%	SPK: 150
1718-51-0	Terphenyl-d14	113		30 (10) - 130 (105)	113%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	282000	7.351			
1146-65-2	Naphthalene-d8	1070000	10.11			
15067-26-2	Acenaphthene-d10	710000	14.016			
1517-22-2	Phenanthrene-d10	1480000	16.78			
1719-03-5	Chrysene-d12	1220000	21.021			
1520-96-3	Perylene-d12	1270000	23.709			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047310.D
Acq On : 22 Aug 2024 10:33
Operator : RC/JU
Sample : PB162876BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Quant Time: Aug 22 11:26:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	282445	20.000	ng	-0.02
21) Naphthalene-d8	10.110	136	1071183	20.000	ng	-0.02
39) Acenaphthene-d10	14.016	164	710049	20.000	ng	-0.02
64) Phenanthrene-d10	16.780	188	1479379	20.000	ng	-0.01
76) Chrysene-d12	21.021	240	1223655	20.000	ng	-0.01
86) Perylene-d12	23.709	264	1272658	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	2036162	128.814	ng	-0.01
7) Phenol-d6	6.575	99	2620862	120.330	ng	-0.01
23) Nitrobenzene-d5	8.504	82	1716495	80.688	ng	-0.02
42) 2,4,6-Tribromophenol	15.527	330	1165422	141.553	ng	-0.01
45) 2-Fluorobiphenyl	12.622	172	4086347	88.773	ng	-0.02
79) Terphenyl-d14	19.445	244	6471163	113.318	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.022	88	211410	32.279	ng	96
3) Pyridine	3.393	79	580077	30.204	ng	98
4) n-Nitrosodimethylamine	3.316	42	305265	36.381	ng	100
6) Aniline	6.704	93	849706	41.274	ng	98
8) 2-Chlorophenol	6.934	128	790810	45.870	ng	96
9) Benzaldehyde	6.516	77	351325	27.105	ng	99
10) Phenol	6.599	94	913609	42.037	ng	99
11) bis(2-Chloroethyl)ether	6.804	93	750963	40.349	ng	99
12) 1,3-Dichlorobenzene	7.240	146	849725	41.477	ng	97
13) 1,4-Dichlorobenzene	7.387	146	866735	41.785	ng	99
14) 1,2-Dichlorobenzene	7.693	146	831143	42.467	ng	99
15) Benzyl Alcohol	7.610	79	710268	45.820	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.875	45	947398	39.669	ng	98
17) 2-Methylphenol	7.816	107	630855	43.510	ng	99
18) Hexachloroethane	8.404	117	326402	40.624	ng	94
19) n-Nitroso-di-n-propyla...	8.169	70	558160	38.045	ng	98
20) 3+4-Methylphenols	8.146	107	865676	42.707	ng	99
22) Acetophenone	8.175	105	1070950	41.419	ng	98
24) Nitrobenzene	8.545	77	855210	39.924	ng	96
25) Isophorone	9.069	82	1587620	42.862	ng	98
26) 2-Nitrophenol	9.245	139	454223	47.880	ng	94
27) 2,4-Dimethylphenol	9.328	122	628473	56.555	ng	99
28) bis(2-Chloroethoxy)met...	9.551	93	1000195	42.914	ng	99
29) 2,4-Dichlorophenol	9.781	162	814262	49.384	ng	97
30) 1,2,4-Trichlorobenzene	9.981	180	833761	44.683	ng	98
31) Naphthalene	10.157	128	2272697	42.590	ng	100
32) Benzoic acid	9.522	122	544885	42.204	ng	97
33) 4-Chloroaniline	10.287	127	613408	29.892	ng	99
34) Hexachlorobutadiene	10.439	225	526142	48.174	ng	99
35) Caprolactam	11.104	113	255114	44.553	ng	92
36) 4-Chloro-3-methylphenol	11.439	107	795626	45.309	ng	100
37) 2-Methylnaphthalene	11.786	142	1678265	44.172	ng	99
38) 1-Methylnaphthalene	12.010	142	1556236	41.444	ng	99
40) 1,2,4,5-Tetrachloroben...	12.169	216	917837	47.392	ng	99
41) Hexachlorocyclopentadiene	12.139	237	1132865	167.517	ng	97
43) 2,4,6-Trichlorophenol	12.428	196	678441	49.286	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047310.D
Acq On : 22 Aug 2024 10:33
Operator : RC/JU
Sample : PB162876BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Quant Time: Aug 22 11:26:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

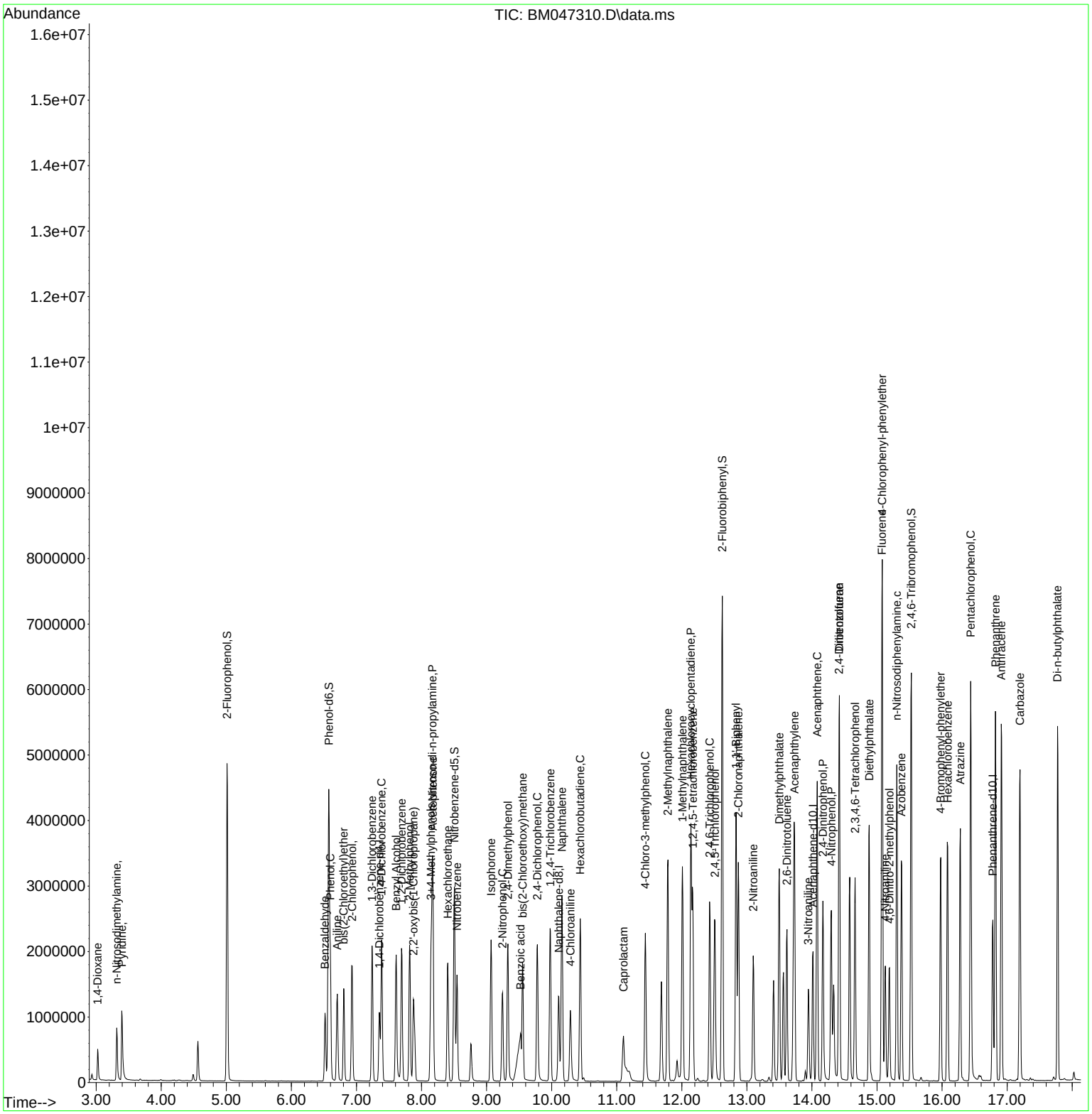
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.510	196	730936	47.824	ng	97
46) 1,1'-Biphenyl	12.833	154	2169847	42.925	ng	99
47) 2-Chloronaphthalene	12.869	162	1681833	42.568	ng	98
48) 2-Nitroaniline	13.098	65	530150	42.831	ng	95
49) Acenaphthylene	13.733	152	2704398	46.437	ng	100
50) Dimethylphthalate	13.498	163	2251972	45.411	ng	99
51) 2,6-Dinitrotoluene	13.616	165	510288	44.019	ng	90
52) Acenaphthene	14.080	154	1642300	44.456	ng	99
53) 3-Nitroaniline	13.945	138	370047	31.856	ng	99
54) 2,4-Dinitrophenol	14.169	184	678286	97.625	ng	91
55) Dibenzofuran	14.422	168	2587826	44.348	ng	98
56) 4-Nitrophenol	14.298	139	827328	82.596	ng	97
57) 2,4-Dinitrotoluene	14.416	165	678658	43.861	ng	97
58) Fluorene	15.074	166	2109000	43.803	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.663	232	631983	50.313	ng	94
60) Diethylphthalate	14.880	149	2230677	44.049	ng	98
61) 4-Chlorophenyl-phenyle...	15.080	204	1059646	46.229	ng	94
62) 4-Nitroaniline	15.127	138	471865	41.233	ng	96
63) Azobenzene	15.374	77	1989512	41.435	ng	96
65) 4,6-Dinitro-2-methylph...	15.192	198	428862	49.514	ng	88
66) n-Nitrosodiphenylamine	15.304	169	1871683	46.450	ng	99
67) 4-Bromophenyl-phenylether	15.980	248	695804	48.809	ng	96
68) Hexachlorobenzene	16.086	284	794331	46.525	ng	95
69) Atrazine	16.280	200	729838	60.191	ng	98
70) Pentachlorophenol	16.439	266	1074718	89.799	ng	98
71) Phenanthrene	16.821	178	3384793	45.590	ng	100
72) Anthracene	16.910	178	3451340	47.776	ng	100
73) Carbazole	17.198	167	3219394	43.647	ng	99
74) Di-n-butylphthalate	17.774	149	3941045	45.920	ng	99
75) Fluoranthene	18.857	202	4007400	44.376	ng	99
77) Benzidine	19.062	184	2051336	98.853	ng	99
78) Pyrene	19.221	202	4187851	47.931	ng	99
80) Butylbenzylphthalate	20.162	149	1784095	50.035	ng	95
81) Benzo(a)anthracene	21.003	228	3750236	46.166	ng	99
82) 3,3'-Dichlorobenzidine	20.945	252	1153958	45.402	ng	98
83) Chrysene	21.062	228	3476141	45.103	ng	99
84) Bis(2-ethylhexyl)phtha...	20.956	149	2513126	49.699	ng	99
85) Di-n-octyl phthalate	21.986	149	4419245	51.417	ng	98
87) Indeno(1,2,3-cd)pyrene	26.703	276	3579535	43.514	ng	98
88) Benzo(b)fluoranthene	22.874	252	3486325	46.129	ng	99
89) Benzo(k)fluoranthene	22.927	252	3398739	47.610	ng	99
90) Benzo(a)pyrene	23.586	252	3199740	48.873	ng	99
91) Dibenzo(a,h)anthracene	26.744	278	2860173	42.963	ng	99
92) Benzo(g,h,i)perylene	27.627	276	2719535	39.346	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047310.D
Acq On : 22 Aug 2024 10:33
Operator : RC/JU
Sample : PB162876BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB162876BS

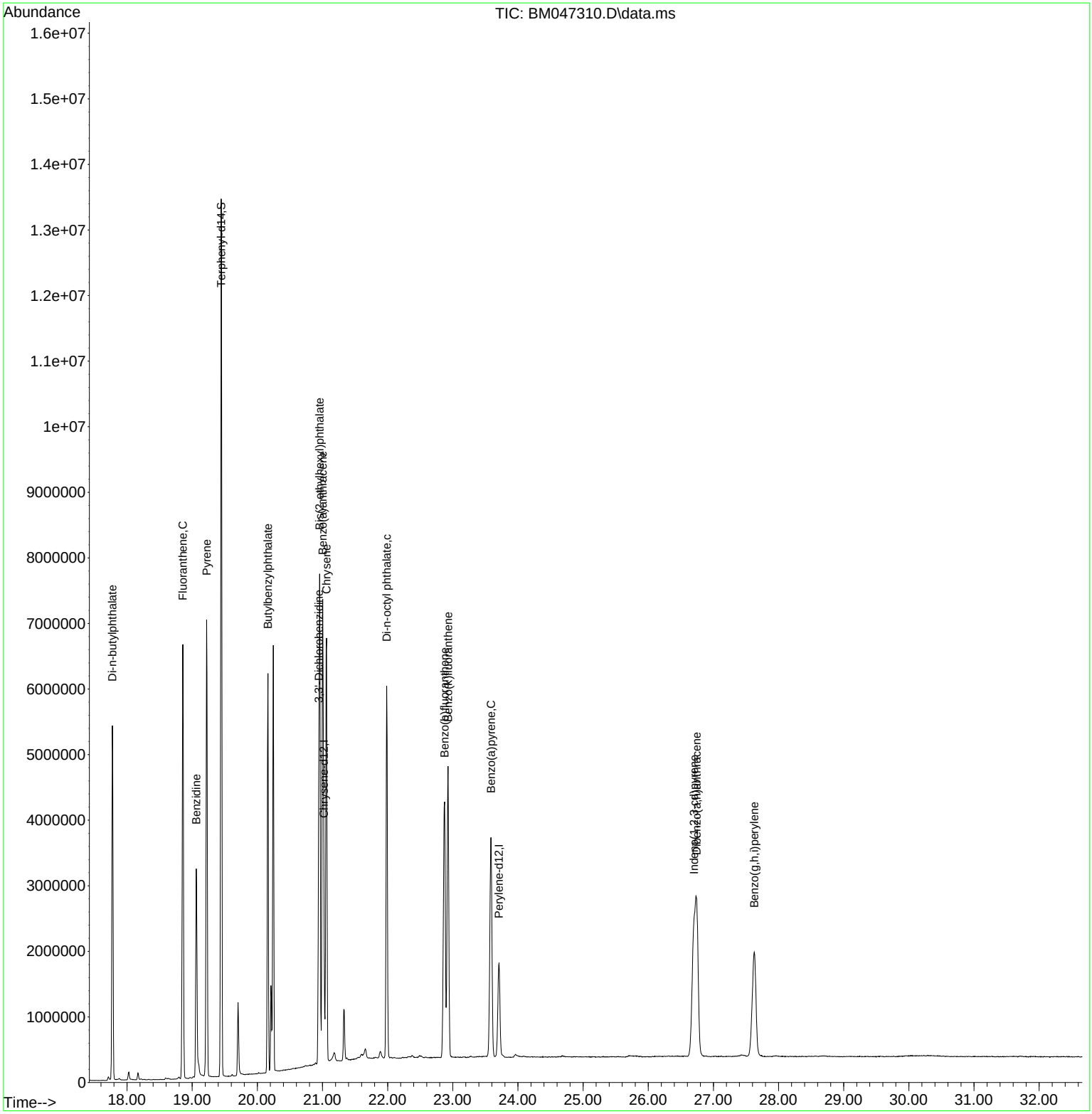
Quant Time: Aug 22 11:26:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

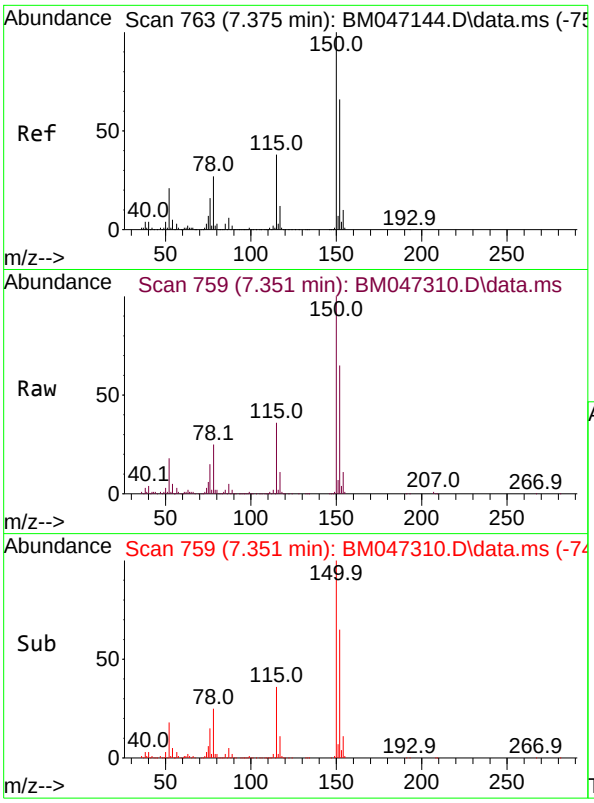


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047310.D
Acq On : 22 Aug 2024 10:33
Operator : RC/JU
Sample : PB162876BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Quant Time: Aug 22 11:26:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration



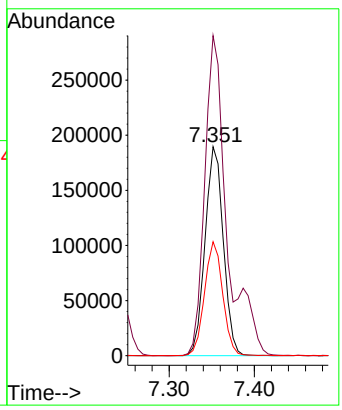


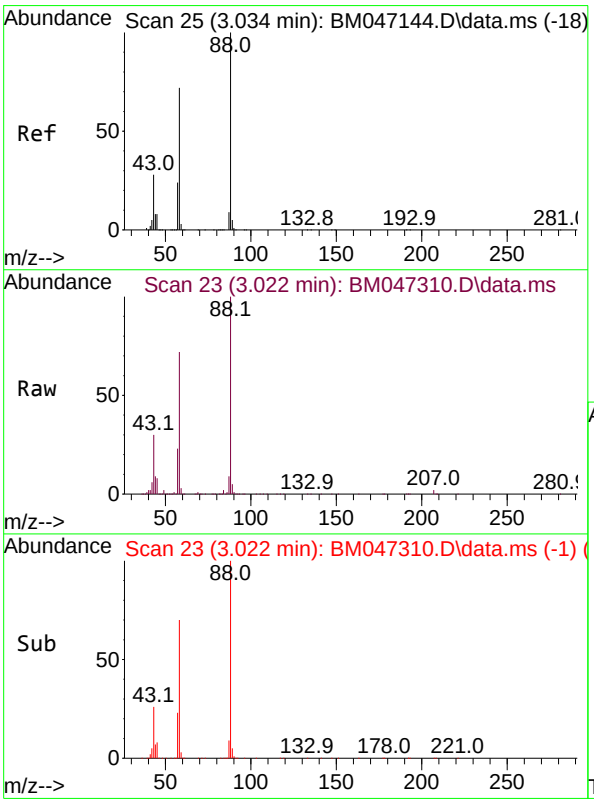
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 7
Delta R.T. -0.024 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:152 Resp: 282445

Ion	Ratio	Lower	Upper
152	100		
150	153.1	120.5	180.7
115	54.5	45.5	68.3

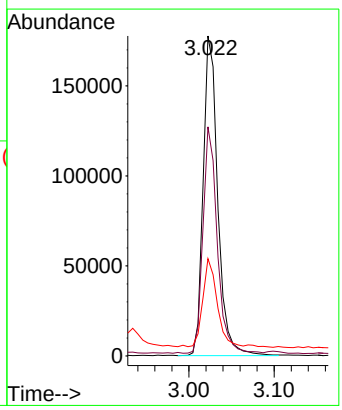


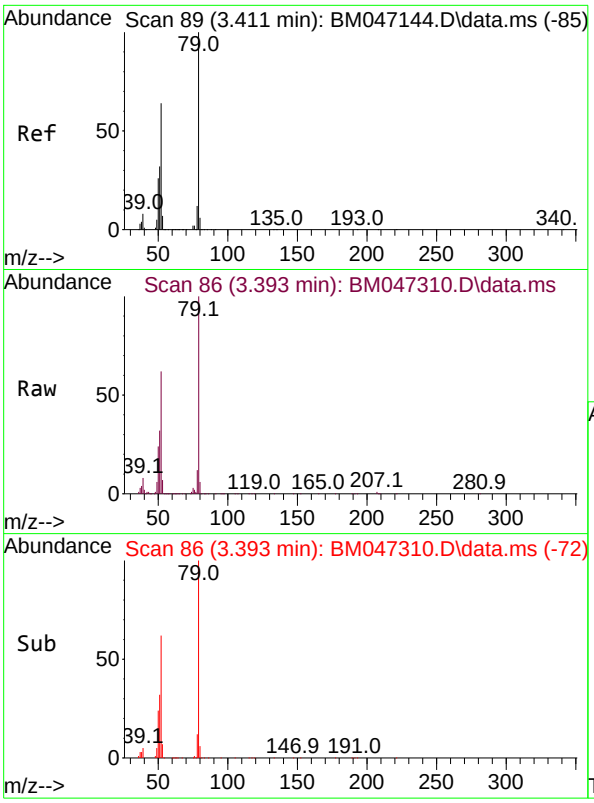


#2
1,4-Dioxane
Concen: 32.279 ng
RT: 3.022 min Scan# 23
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion: 88 Resp: 211410

Ion	Ratio	Lower	Upper
88	100		
58	69.0	58.2	87.4
43	26.7	22.5	33.7



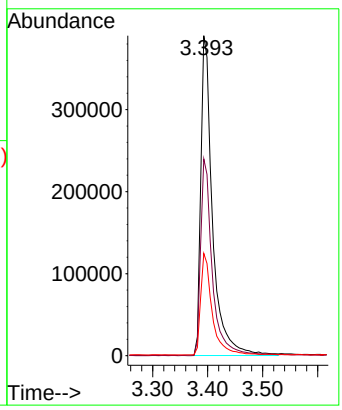


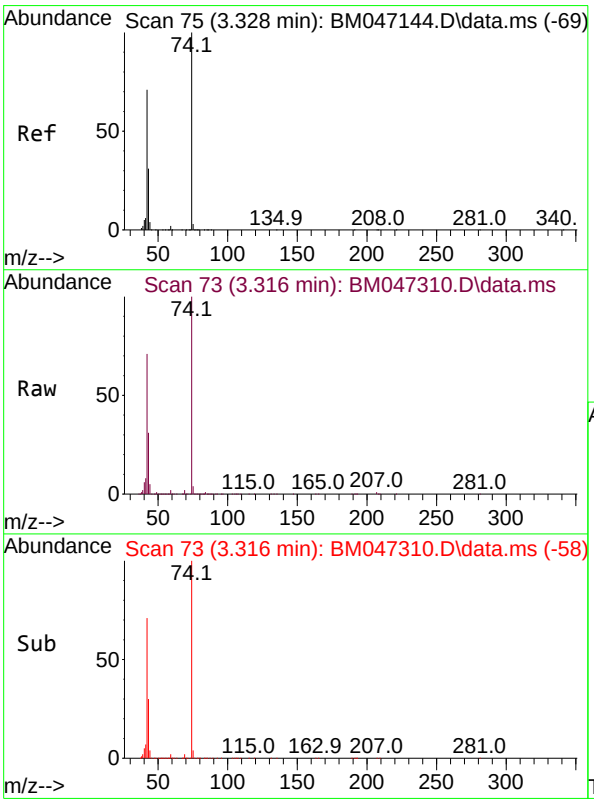
#3
Pyridine
Concen: 30.204 ng
RT: 3.393 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion: 79 Resp: 580077

Ion	Ratio	Lower	Upper
79	100		
52	61.5	51.2	76.8
51	32.0	26.1	39.1

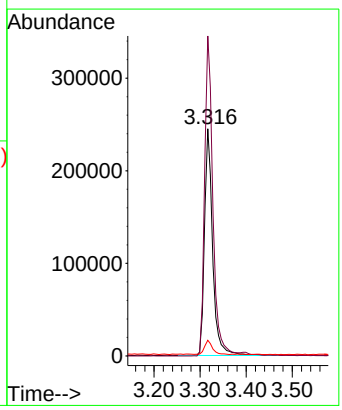


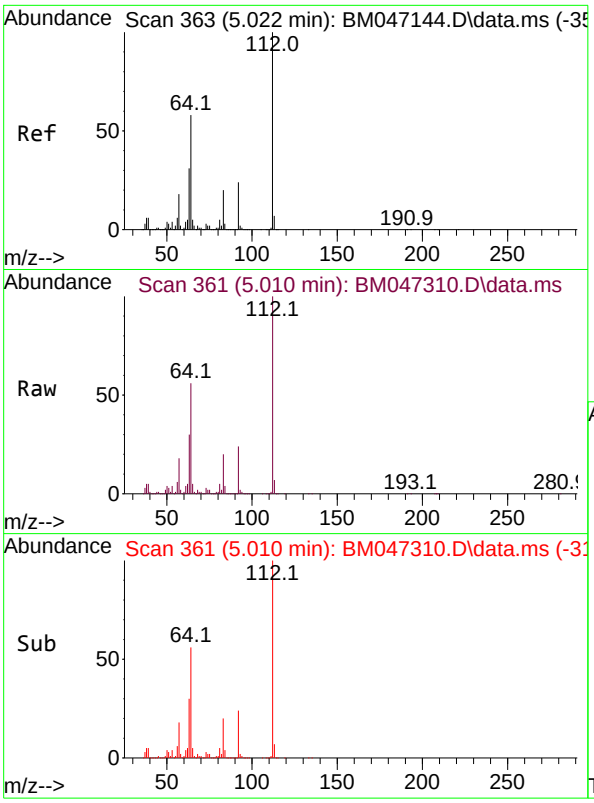


#4
n-Nitrosodimethylamine
Concen: 36.381 ng
RT: 3.316 min Scan# 73
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion: 42 Resp: 305265

Ion	Ratio	Lower	Upper
42	100		
74	140.8	112.9	169.3
44	6.9	5.3	7.9



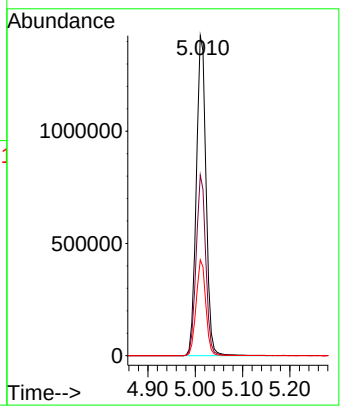


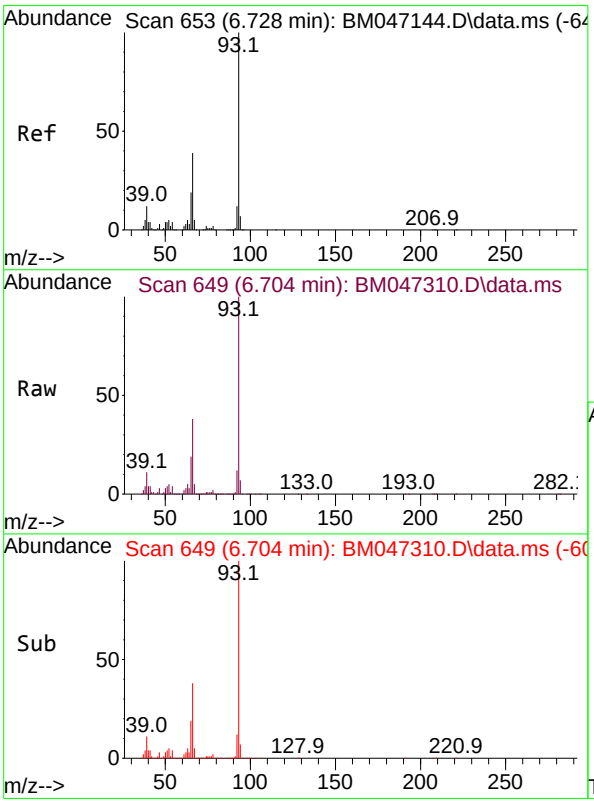
#5
2-Fluorophenol
Concen: 128.814 ng
RT: 5.010 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:112 Resp: 2036162

Ion	Ratio	Lower	Upper
112	100		
64	56.5	46.7	70.1
63	30.0	24.8	37.2

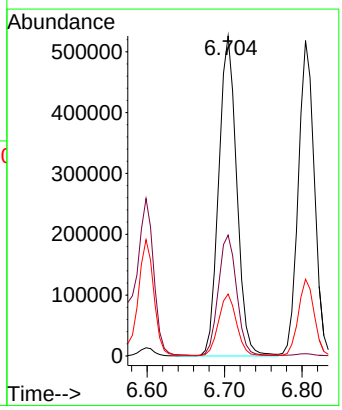




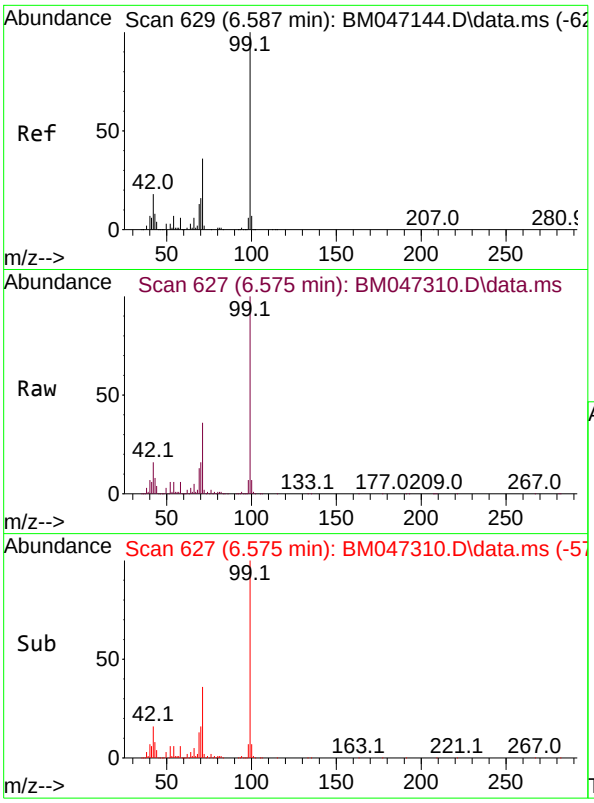
#6
Aniline
Concen: 41.274 ng
RT: 6.704 min Scan# 649
Delta R.T. -0.024 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion: 93 Resp: 849706

Ion	Ratio	Lower	Upper
93	100		
66	37.8	31.4	47.2
65	19.4	15.6	23.4



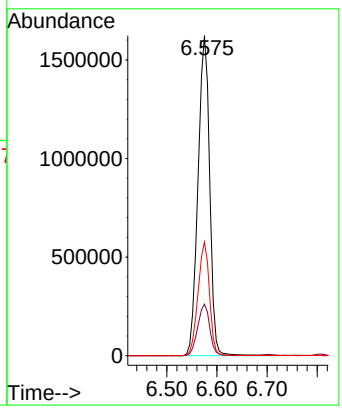
Instrument :
BNA_M
ClientSampleId :
PB162876BS

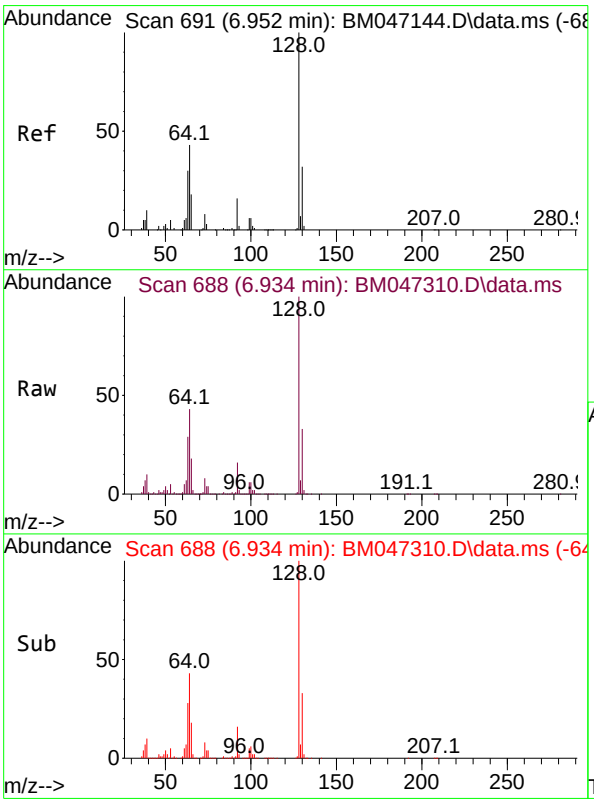


#7
Phenol-d6
Concen: 120.330 ng
RT: 6.575 min Scan# 6
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion: 99 Resp: 2620862

Ion	Ratio	Lower	Upper
99	100		
42	16.1	14.1	21.1
71	35.5	28.5	42.7

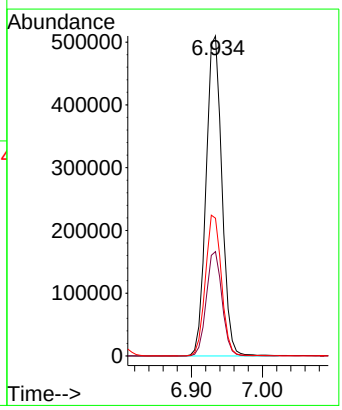


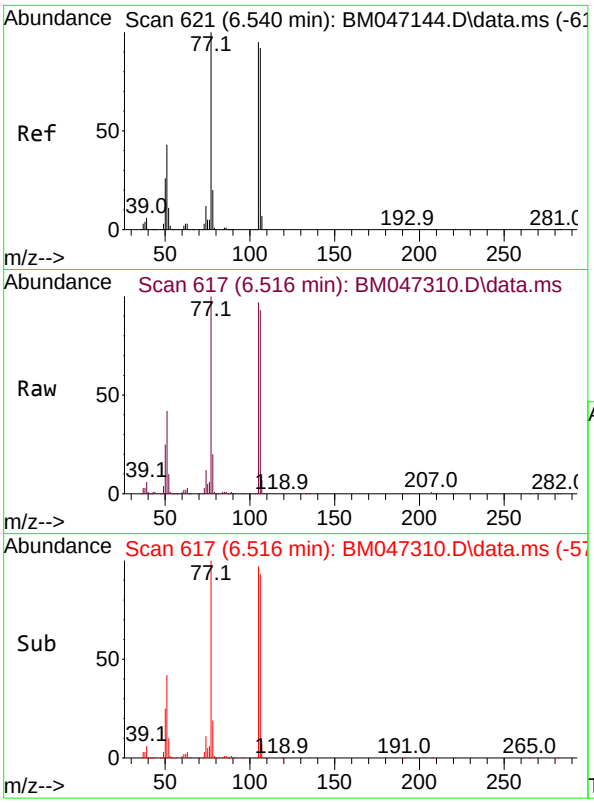


#8
2-Chlorophenol
Concen: 45.870 ng
RT: 6.934 min Scan# 688
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:128 Resp: 790810

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.1	52.1
64	43.1	26.6	66.6



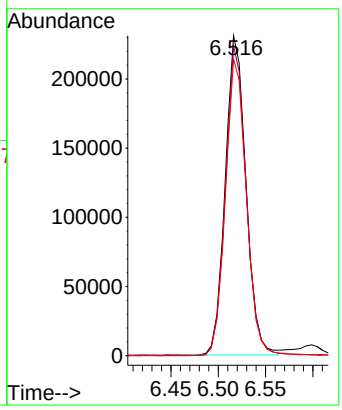


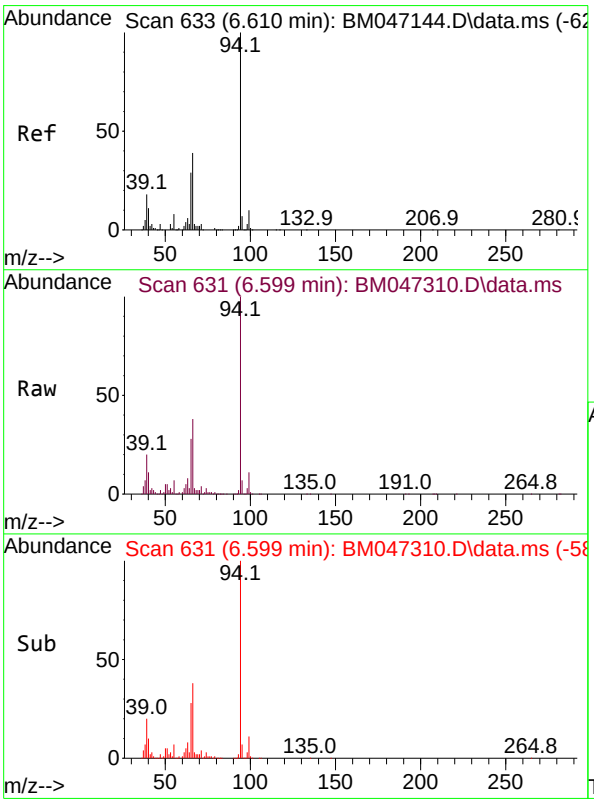
#9
Benzaldehyde
Concen: 27.105 ng
RT: 6.516 min Scan# 61
Delta R.T. -0.024 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion: 77 Resp: 351325

Ion	Ratio	Lower	Upper
77	100		
105	96.8	74.5	114.5
106	92.7	72.3	112.3

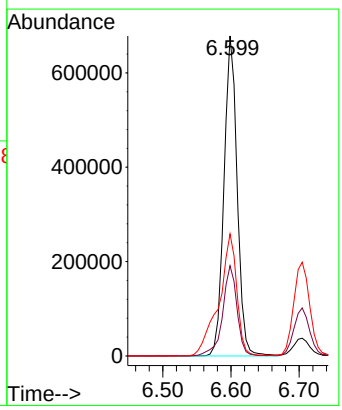


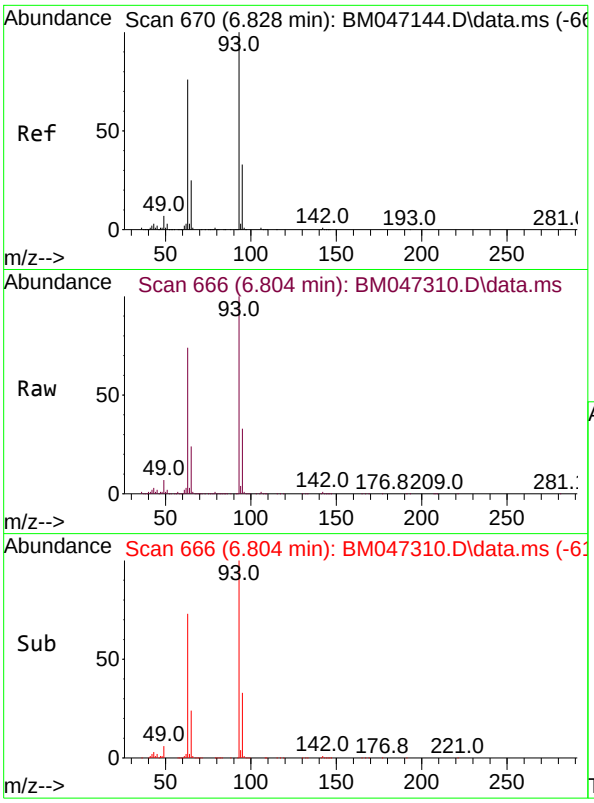


#10
Phenol
Concen: 42.037 ng
RT: 6.599 min Scan# 631
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion: 94 Resp: 913609

Ion	Ratio	Lower	Upper
94	100		
65	28.2	9.0	49.0
66	38.2	18.9	58.9



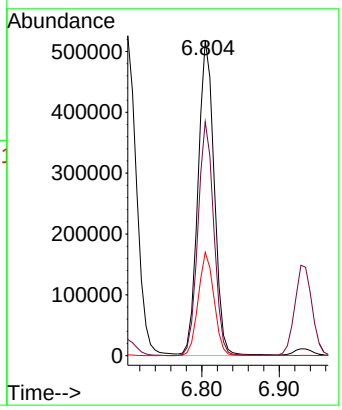


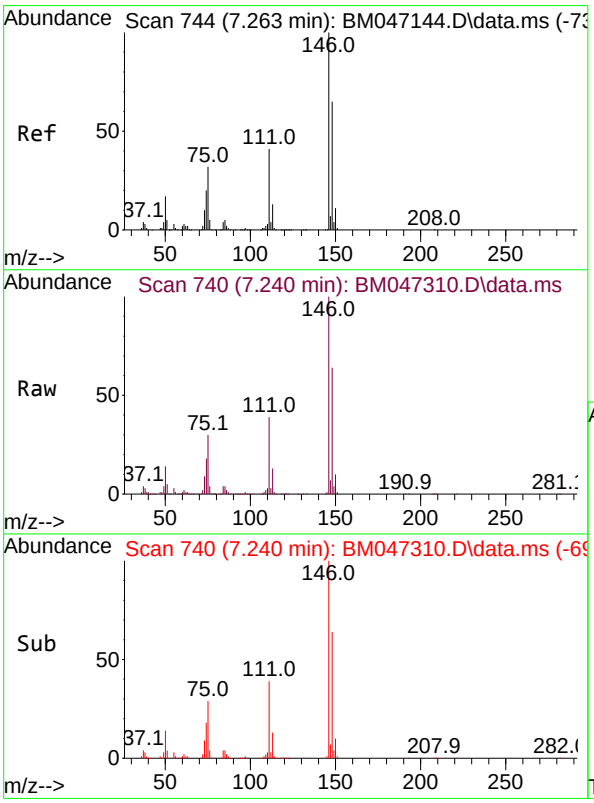
#11
bis(2-Chloroethyl)ether
Concen: 40.349 ng
RT: 6.804 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion: 93 Resp: 750963

Ion	Ratio	Lower	Upper
93	100		
63	74.2	55.8	95.8
95	32.8	12.7	52.7

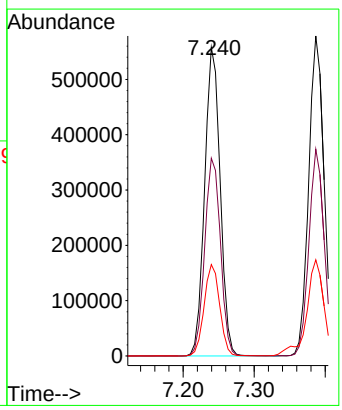


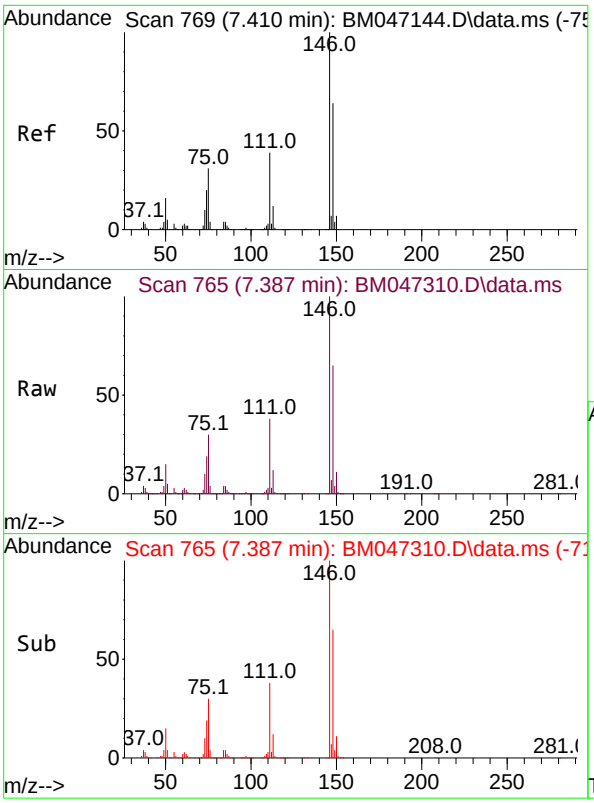


#12
1,3-Dichlorobenzene
Concen: 41.477 ng
RT: 7.240 min Scan# 740
Delta R.T. -0.024 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:146 Resp: 849725

Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.3	78.5
75	29.6	25.8	38.6



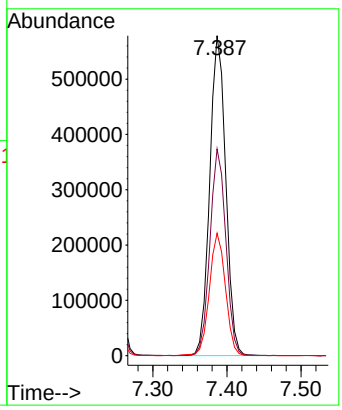


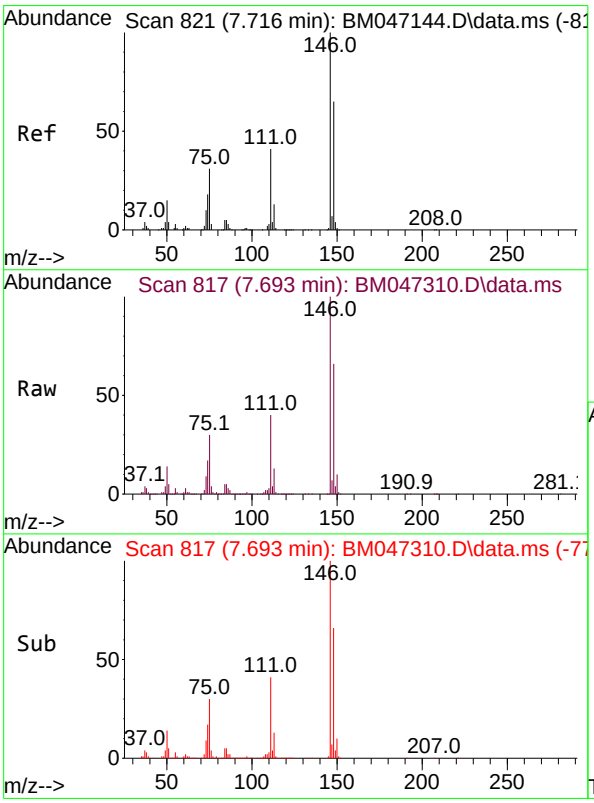
#13
1,4-Dichlorobenzene
Concen: 41.785 ng
RT: 7.387 min Scan# 7(
Delta R.T. -0.024 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:146 Resp: 866735

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.4	77.2
111	38.3	31.5	47.3

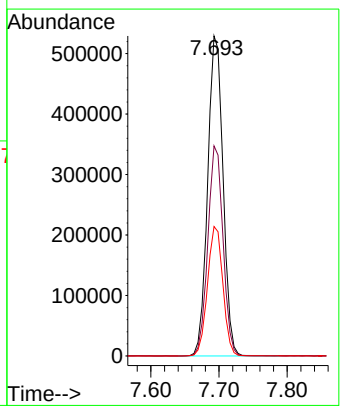


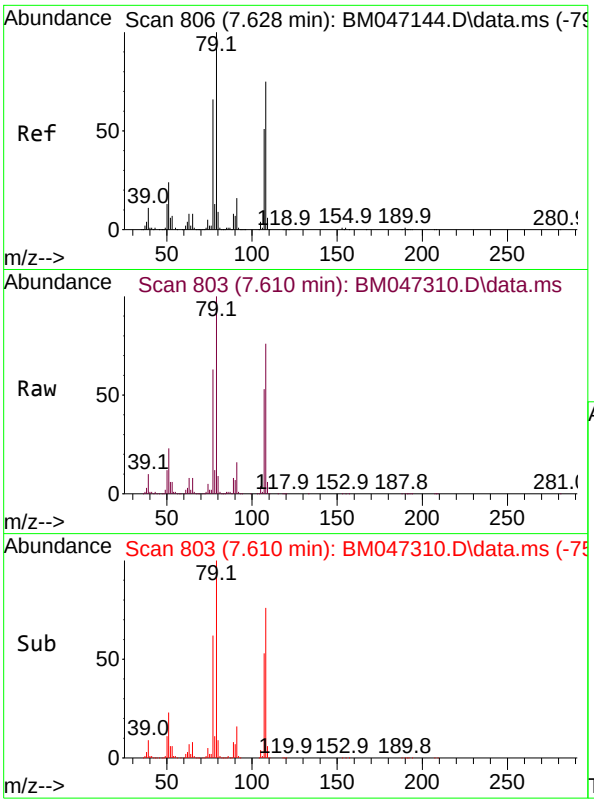


#14
1,2-Dichlorobenzene
Concen: 42.467 ng
RT: 7.693 min Scan# 817
Delta R.T. -0.024 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:146 Resp: 831143

Ion	Ratio	Lower	Upper
146	100		
148	65.6	51.8	77.8
111	40.5	33.3	49.9



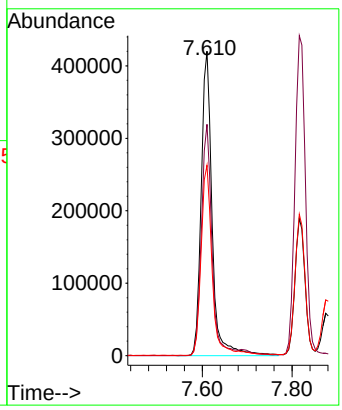


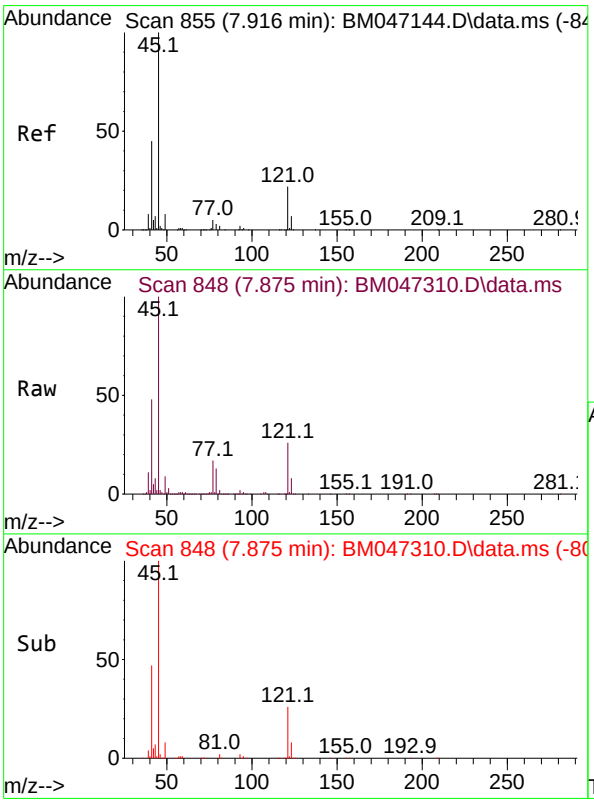
#15
Benzyl Alcohol
Concen: 45.820 ng
RT: 7.610 min Scan# 80
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion: 79 Resp: 710268

Ion	Ratio	Lower	Upper
79	100		
108	76.0	59.7	89.5
77	62.5	52.9	79.3

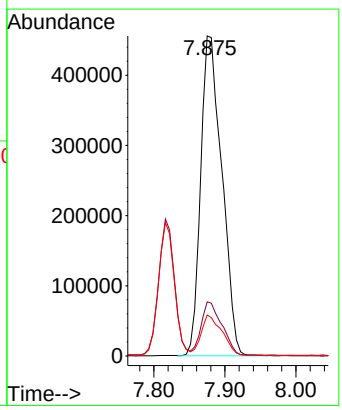


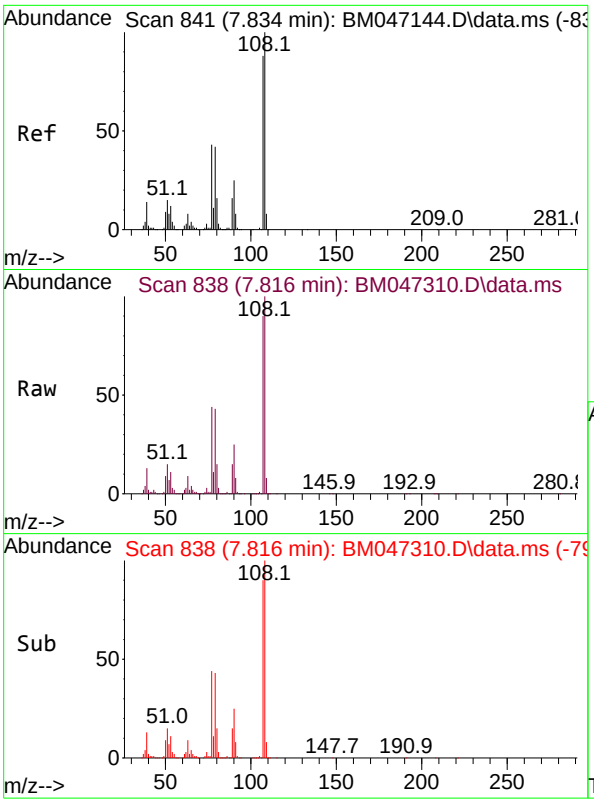


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.669 ng
RT: 7.875 min Scan# 848
Delta R.T. -0.041 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion: 45 Resp: 947398

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	35.6
79	12.8	0.0	32.4



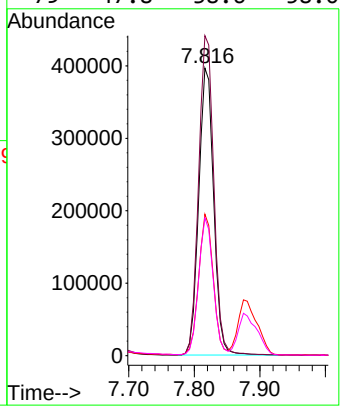


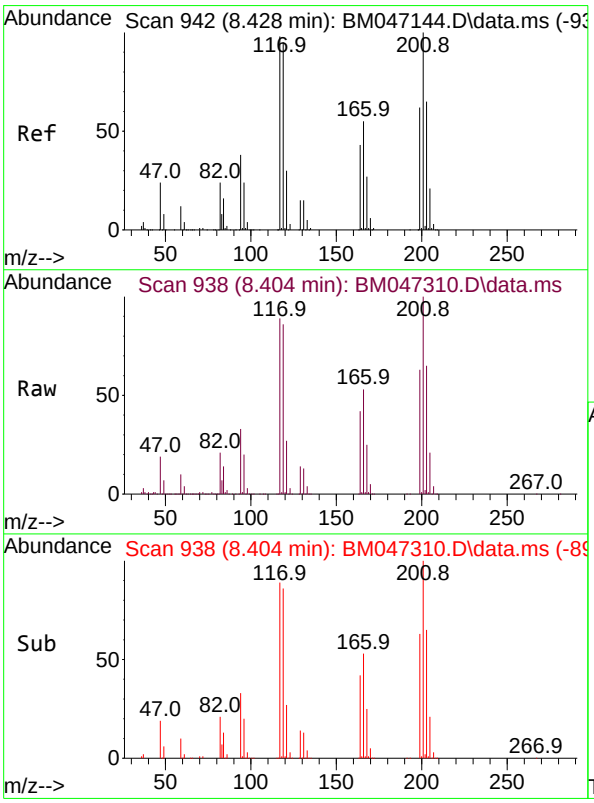
#17
2-Methylphenol
Concen: 43.510 ng
RT: 7.816 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:107 Resp: 630855

Ion	Ratio	Lower	Upper
107	100		
108	111.3	90.6	135.8
77	49.2	39.3	58.9
79	47.8	38.6	58.0

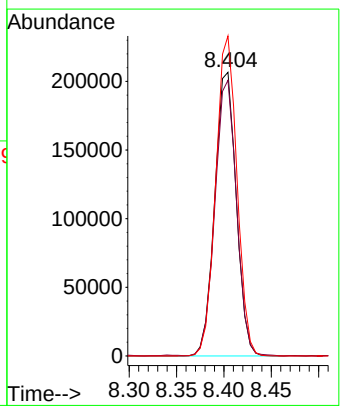


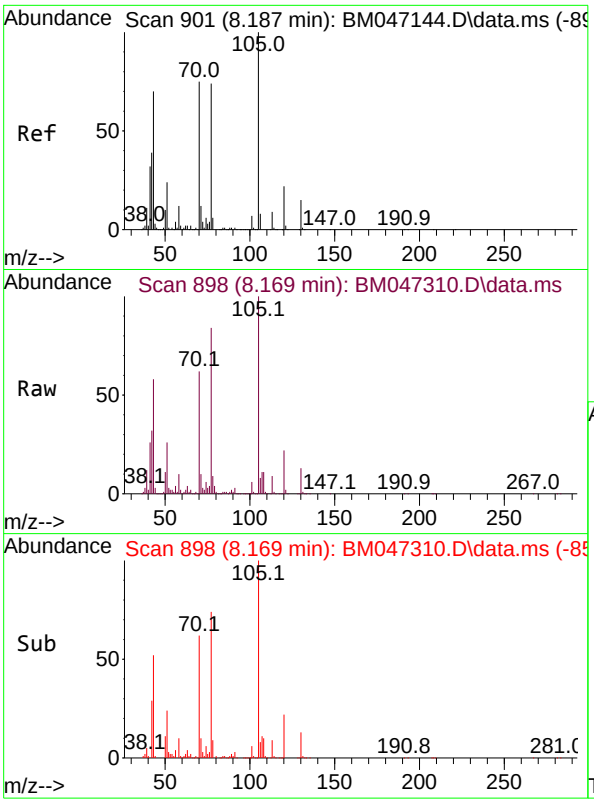


#18
Hexachloroethane
Concen: 40.624 ng
RT: 8.404 min Scan# 938
Delta R.T. -0.024 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:117 Resp: 326402

Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.0	115.4
201	112.8	81.3	121.9



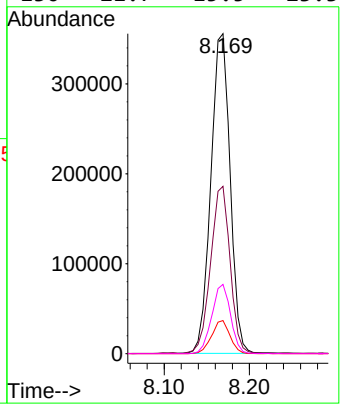


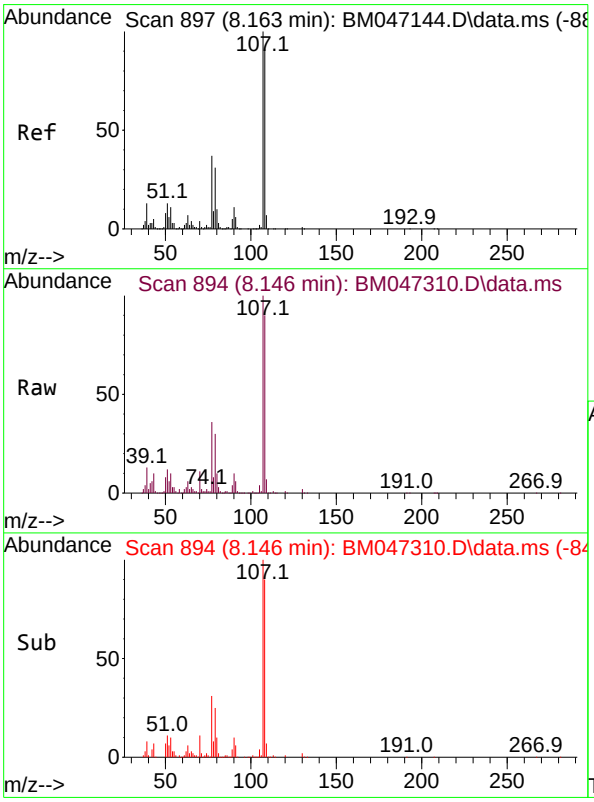
#19
n-Nitroso-di-n-propylamine
Concen: 38.045 ng
RT: 8.169 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion: 70 Resp: 558160

Ion	Ratio	Lower	Upper
70	100		
42	52.3	42.0	63.0
101	10.3	7.2	10.8
130	21.7	15.5	23.3

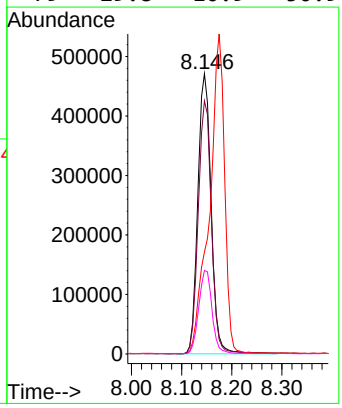


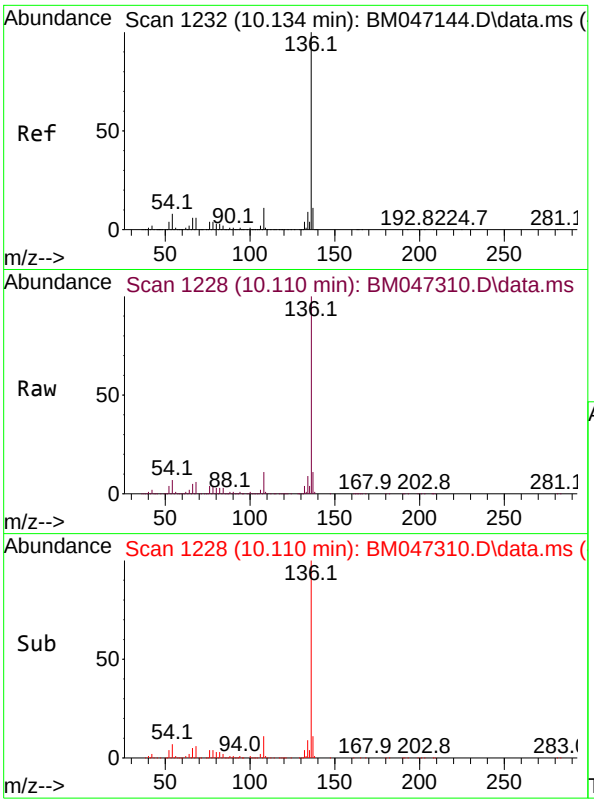


#20
3+4-Methylphenols
Concen: 42.707 ng
RT: 8.146 min Scan# 894
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:107 Resp: 865676

Ion	Ratio	Lower	Upper
107	100		
108	90.3	70.7	110.7
77	36.4	17.4	57.4
79	29.8	10.9	50.9



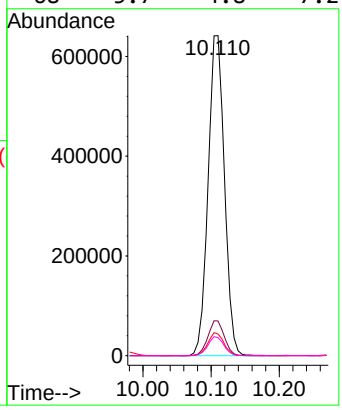


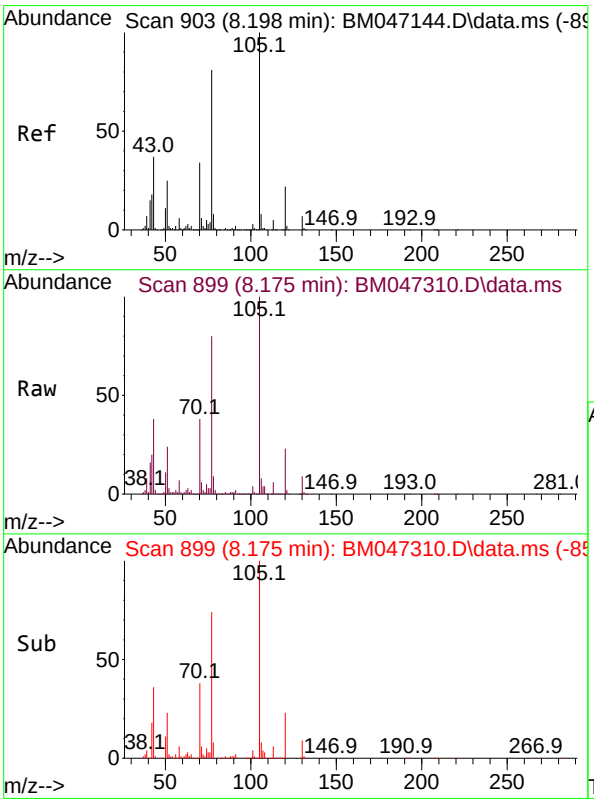
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:136 Resp: 1071183

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.7	6.0	9.0
68	5.7	4.8	7.2

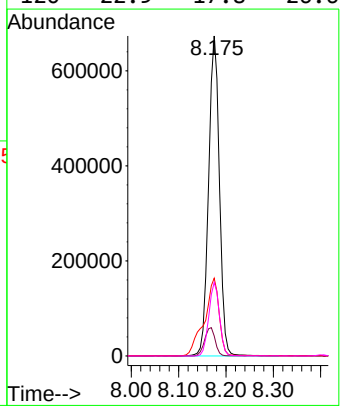


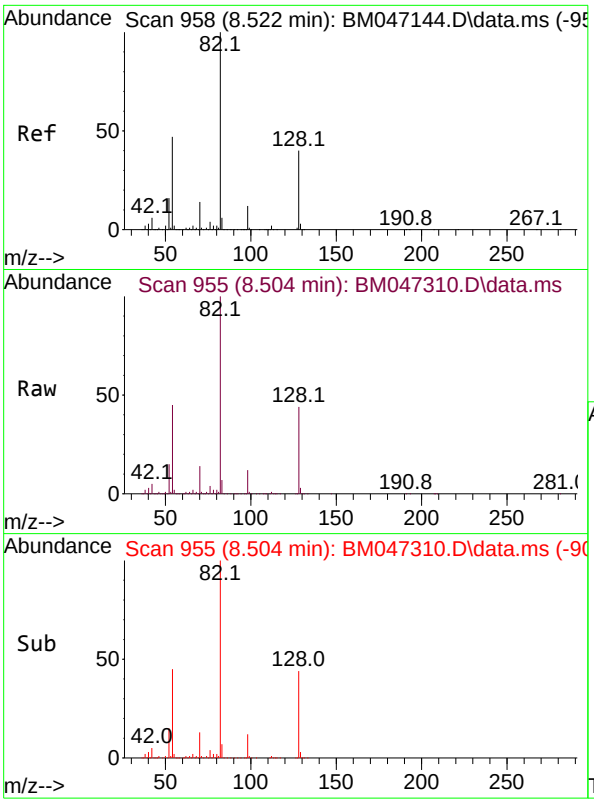


#22
Acetophenone
Concen: 41.419 ng
RT: 8.175 min Scan# 899
Delta R.T. -0.024 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:105 Resp: 1070950

Ion	Ratio	Lower	Upper
105	100		
71	6.3	4.5	6.7
51	24.3	20.1	30.1
120	22.9	17.8	26.6



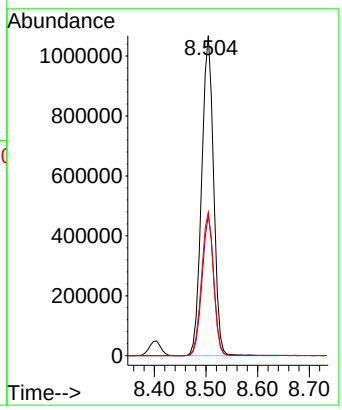


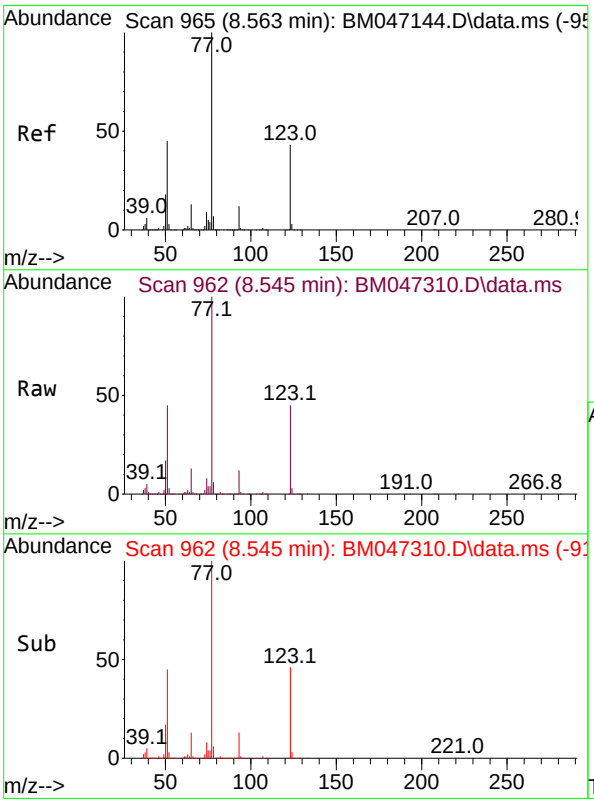
#23
Nitrobenzene-d5
Concen: 80.688 ng
RT: 8.504 min Scan# 9
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion: 82 Resp: 1716495

Ion	Ratio	Lower	Upper
82	100		
128	43.9	32.3	48.5
54	44.8	37.4	56.2

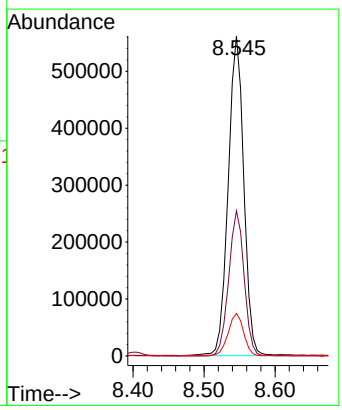


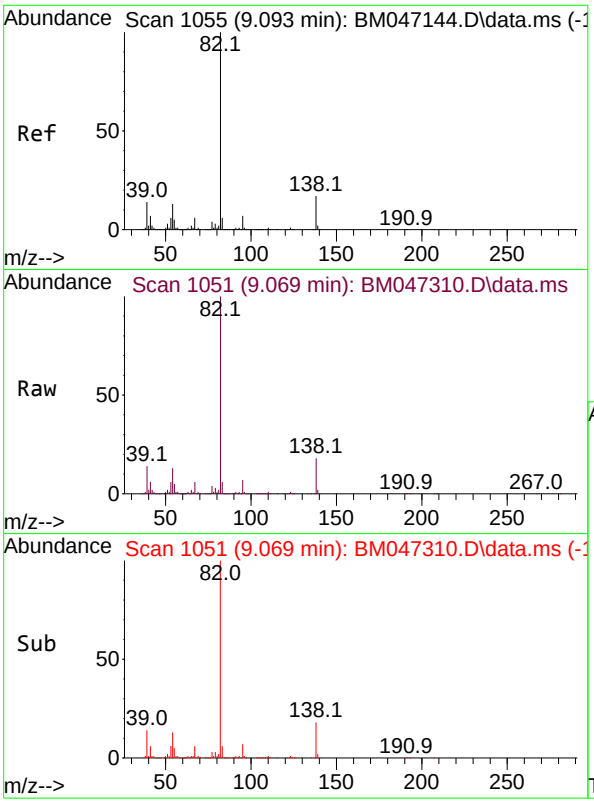


#24
Nitrobenzene
Concen: 39.924 ng
RT: 8.545 min Scan# 962
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion: 77 Resp: 855210

Ion	Ratio	Lower	Upper
77	100		
123	45.4	34.0	51.0
65	13.3	10.5	15.7



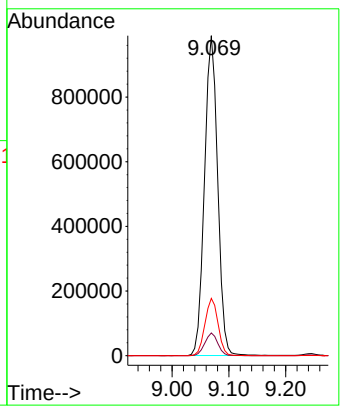


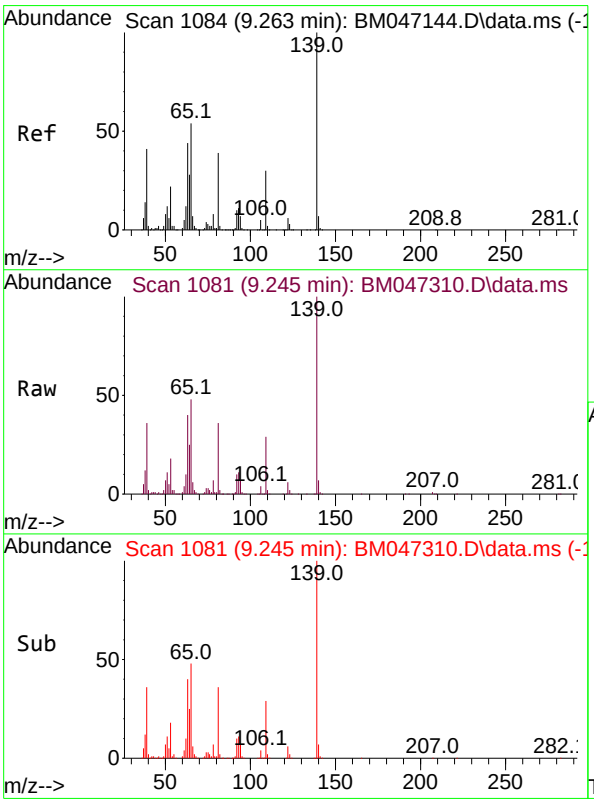
#25
Isophorone
Concen: 42.862 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion: 82 Resp: 1587620

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.5	8.3
138	17.9	13.5	20.3

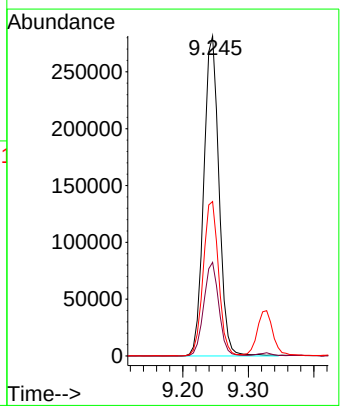


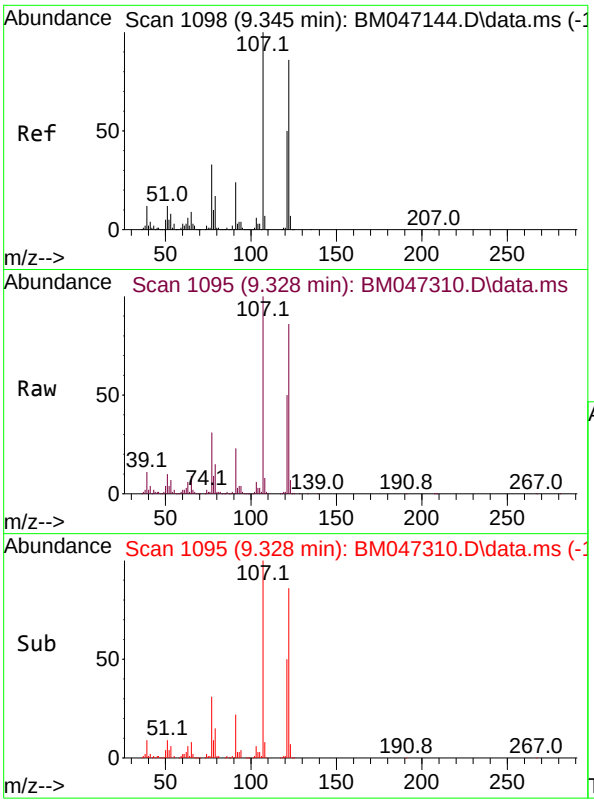


#26
2-Nitrophenol
Concen: 47.880 ng
RT: 9.245 min Scan# 1081
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:139 Resp: 454223

Ion	Ratio	Lower	Upper
139	100		
109	29.2	24.4	36.6
65	48.3	43.0	64.6



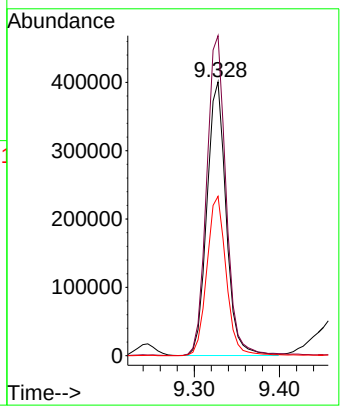


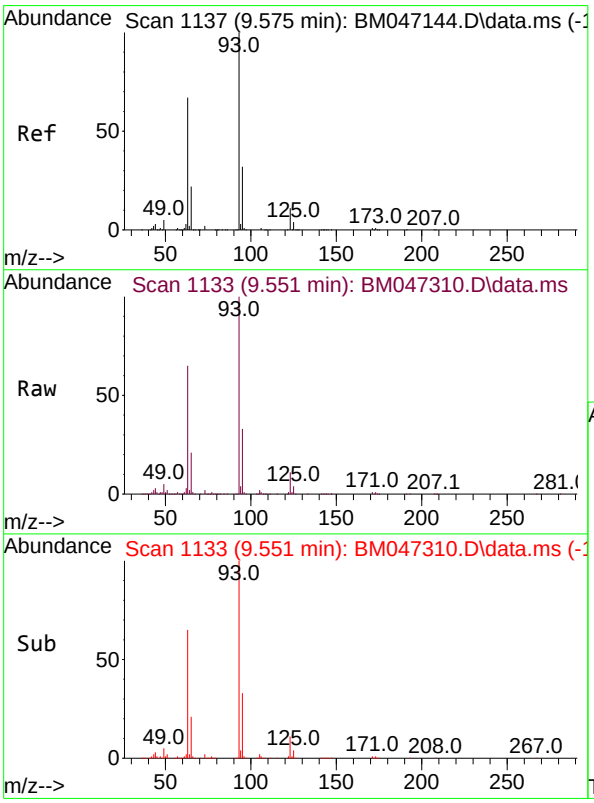
#27
2,4-Dimethylphenol
Concen: 56.555 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:122 Resp: 628473

Ion	Ratio	Lower	Upper
122	100		
107	116.9	92.8	139.2
121	58.2	46.1	69.1

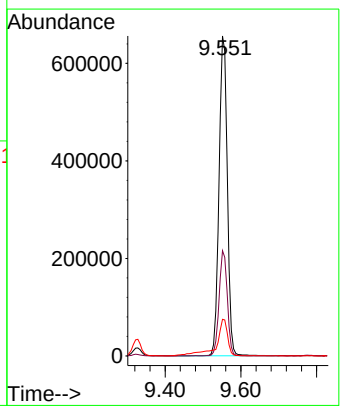


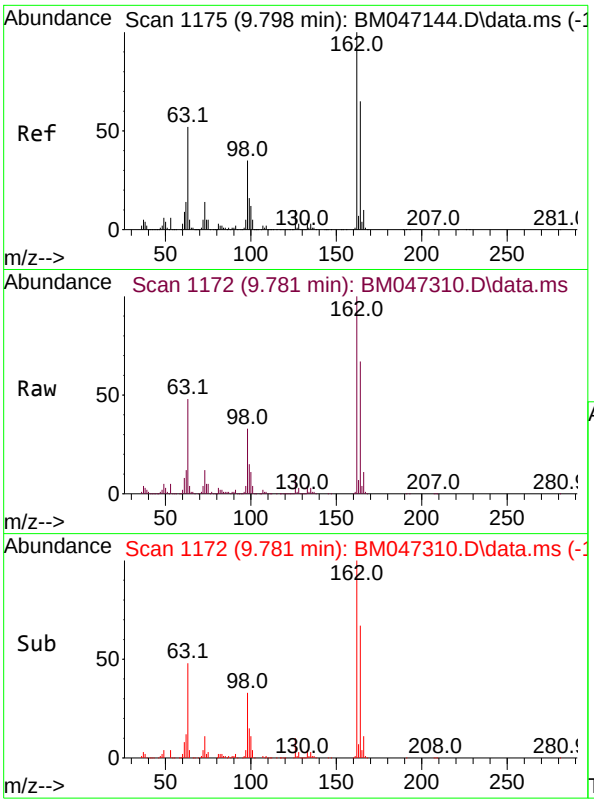


#28
bis(2-Chloroethoxy)methane
Concen: 42.914 ng
RT: 9.551 min Scan# 1133
Delta R.T. -0.024 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion: 93 Resp: 1000195

Ion	Ratio	Lower	Upper
93	100		
95	32.9	25.8	38.8
123	11.4	9.0	13.4



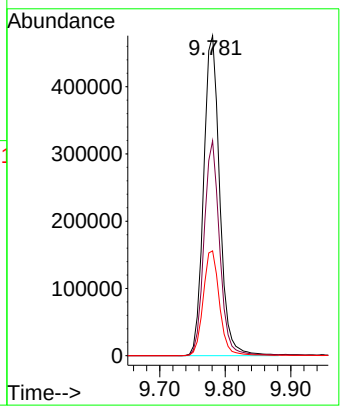


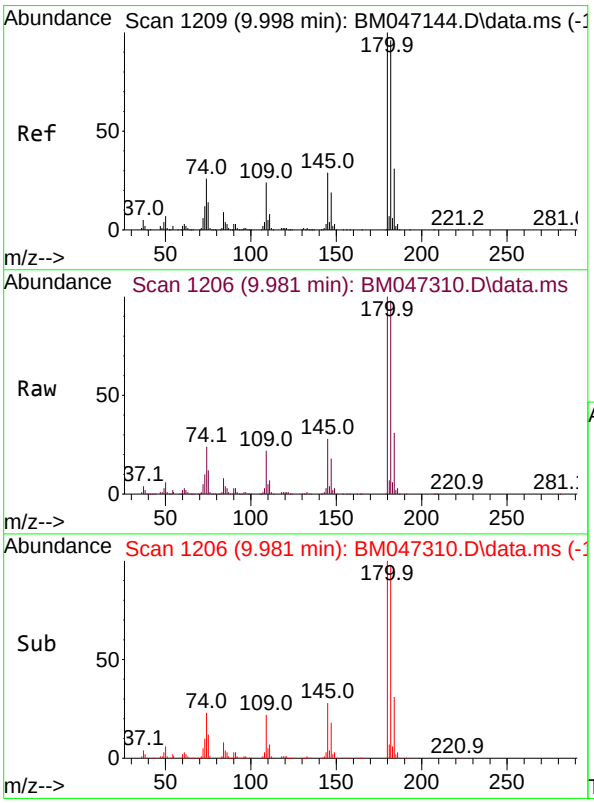
#29
2,4-Dichlorophenol
Concen: 49.384 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:162 Resp: 814262

Ion	Ratio	Lower	Upper
162	100		
164	67.2	44.7	84.7
98	32.8	14.9	54.9

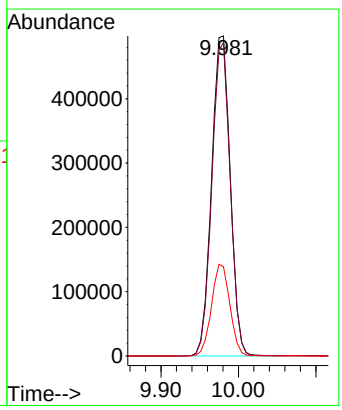


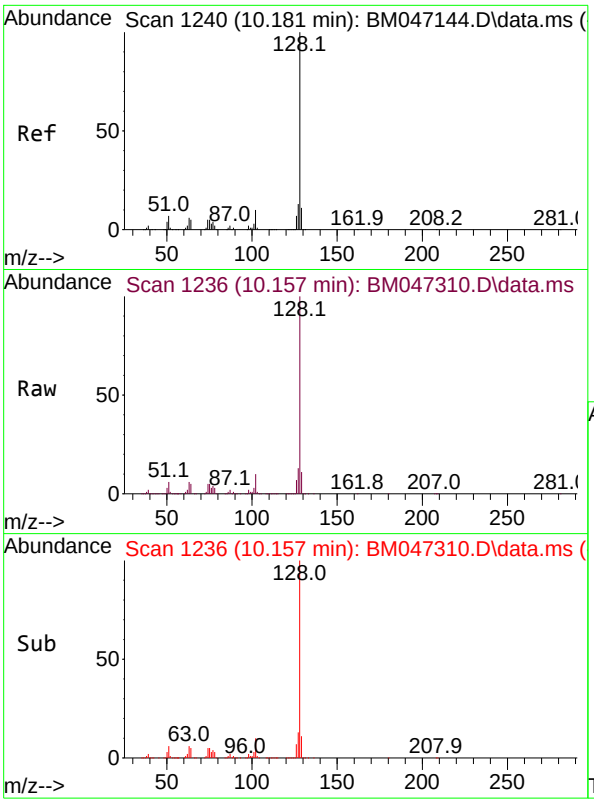


#30
1,2,4-Trichlorobenzene
Concen: 44.683 ng
RT: 9.981 min Scan# 1206
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:180 Resp: 833761

Ion	Ratio	Lower	Upper
180	100		
182	97.9	76.6	115.0
145	27.9	23.4	35.2



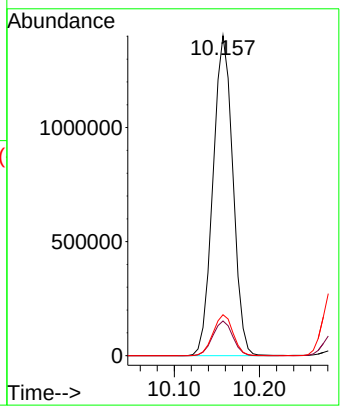


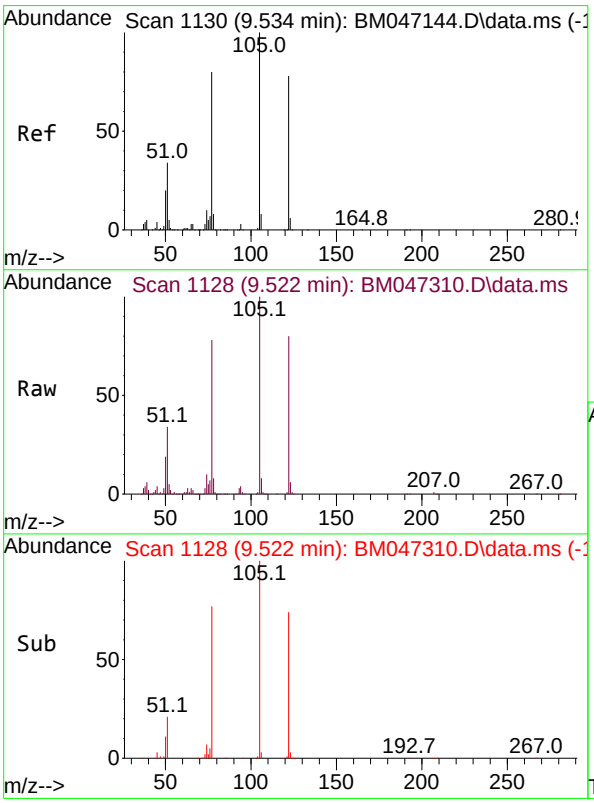
#31
Naphthalene
Concen: 42.590 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:128 Resp: 2272697

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.8	10.2	15.4

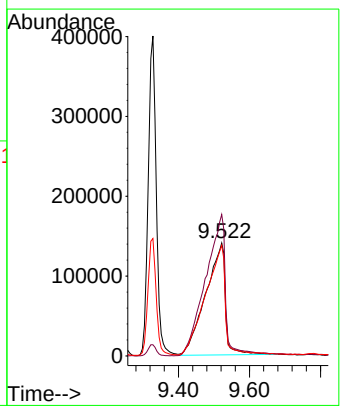


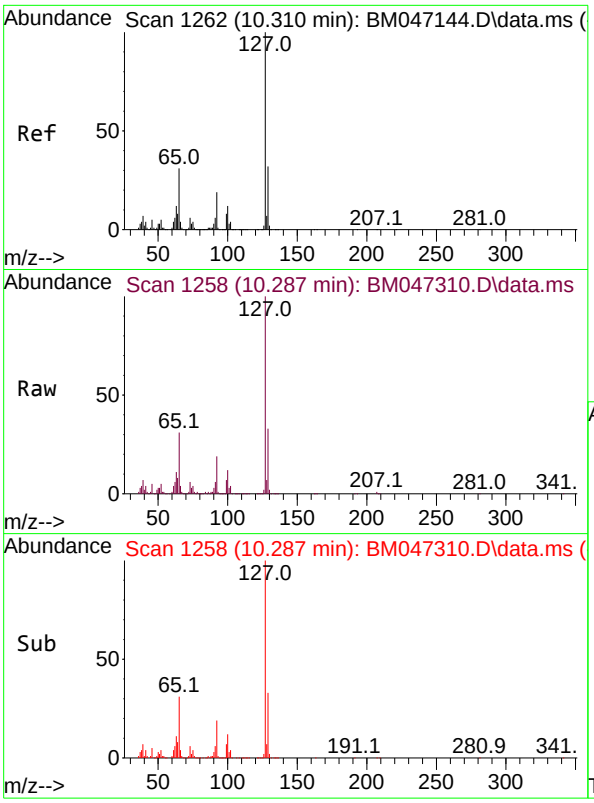


#32
Benzoic acid
Concen: 42.204 ng
RT: 9.522 min Scan# 1128
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:122 Resp: 544885

Ion	Ratio	Lower	Upper
122	100		
105	125.1	107.1	147.1
77	98.1	82.1	122.1



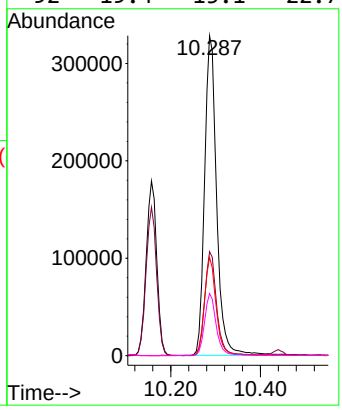


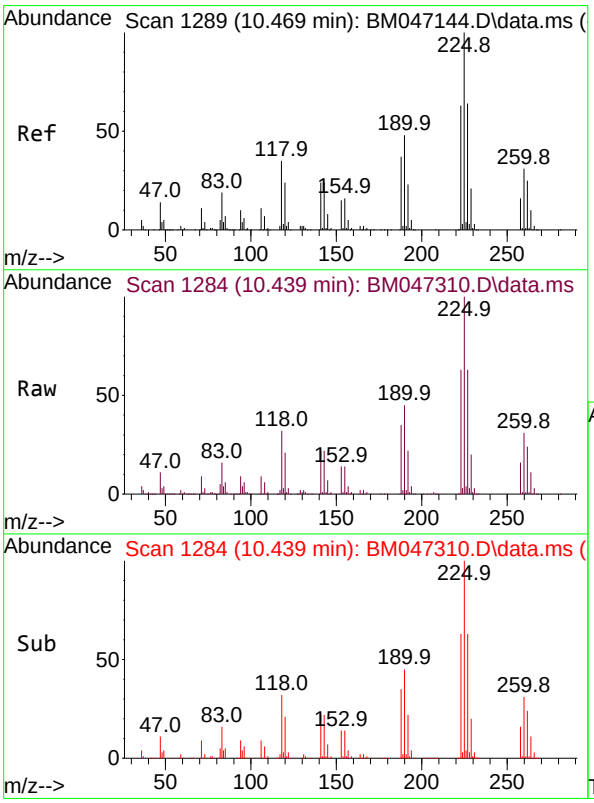
#33
4-Chloroaniline
Concen: 29.892 ng
RT: 10.287 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:127 Resp: 613408

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.8	38.8
65	30.8	24.9	37.3
92	19.4	15.1	22.7

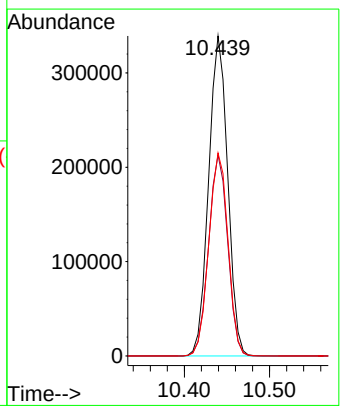


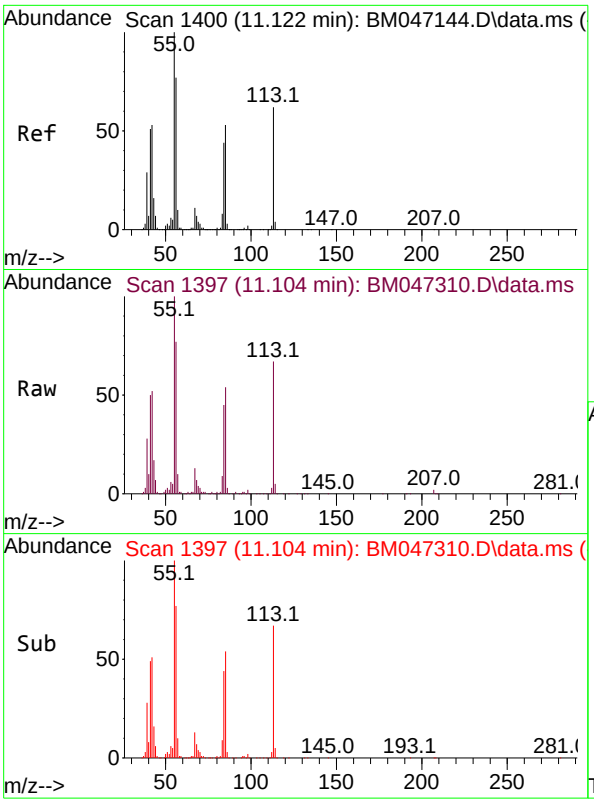


#34
Hexachlorobutadiene
Concen: 48.174 ng
RT: 10.439 min Scan# 1284
Delta R.T. -0.029 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:225 Resp: 526142

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.2
227	63.4	51.4	77.0



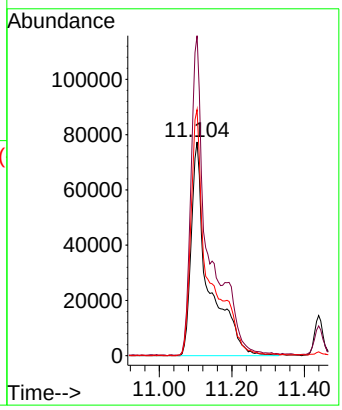


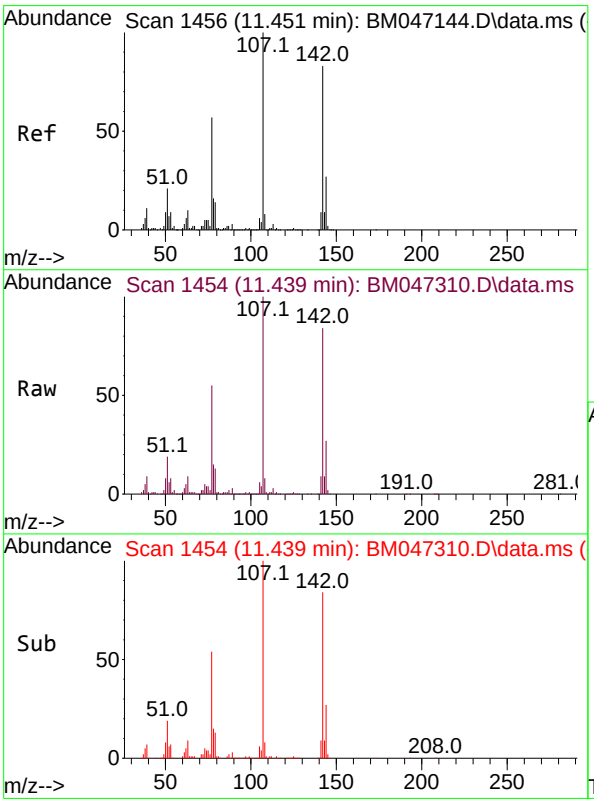
#35
Caprolactam
Concen: 44.553 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:113 Resp: 255114

Ion	Ratio	Lower	Upper
113	100		
55	149.7	140.5	180.5
56	115.1	103.6	143.6

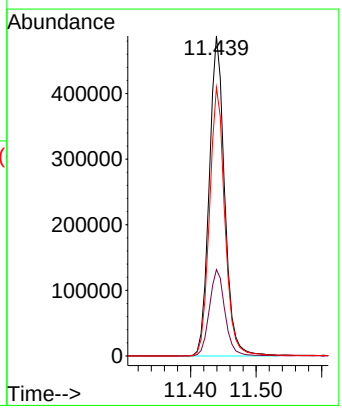


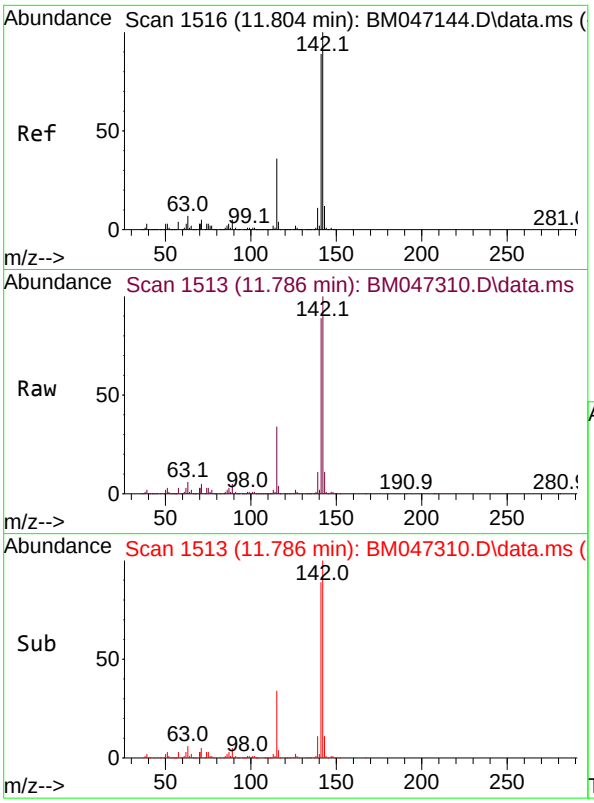


#36
4-Chloro-3-methylphenol
Concen: 45.309 ng
RT: 11.439 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:107 Resp: 795626

Ion	Ratio	Lower	Upper
107	100		
144	27.0	21.8	32.6
142	83.9	66.8	100.2



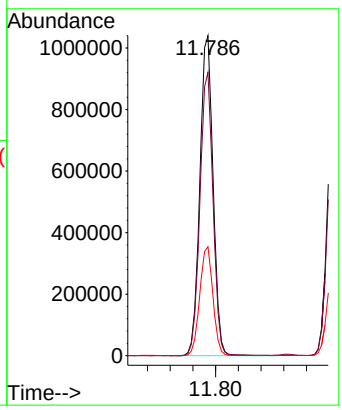


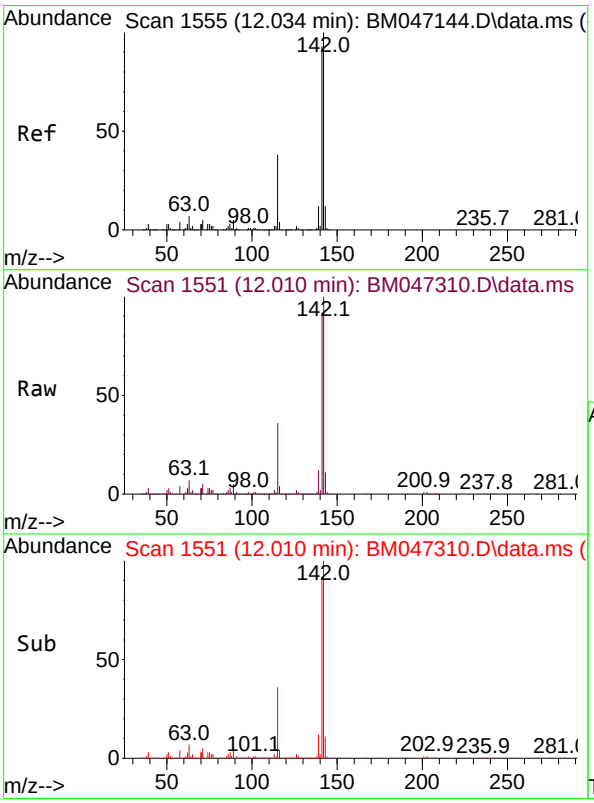
#37
2-Methylnaphthalene
Concen: 44.172 ng
RT: 11.786 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:142 Resp: 1678265

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.9	106.3
115	34.1	28.7	43.1

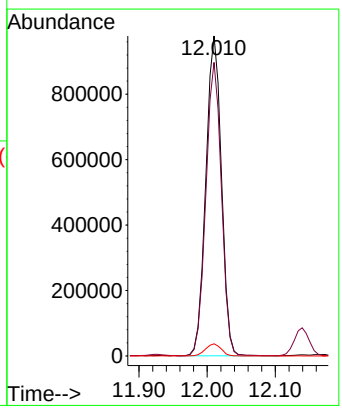


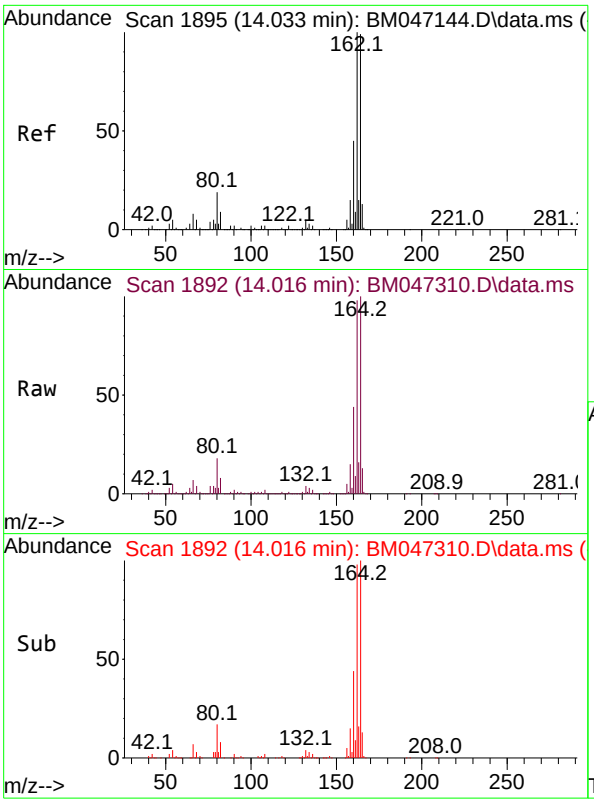


#38
1-Methylnaphthalene
Concen: 41.444 ng
RT: 12.010 min Scan# 1551
Delta R.T. -0.024 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:142 Resp: 1556236

Ion	Ratio	Lower	Upper
142	100		
141	91.7	74.6	111.8
116	3.8	3.1	4.7



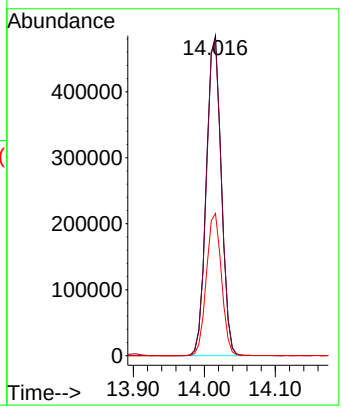


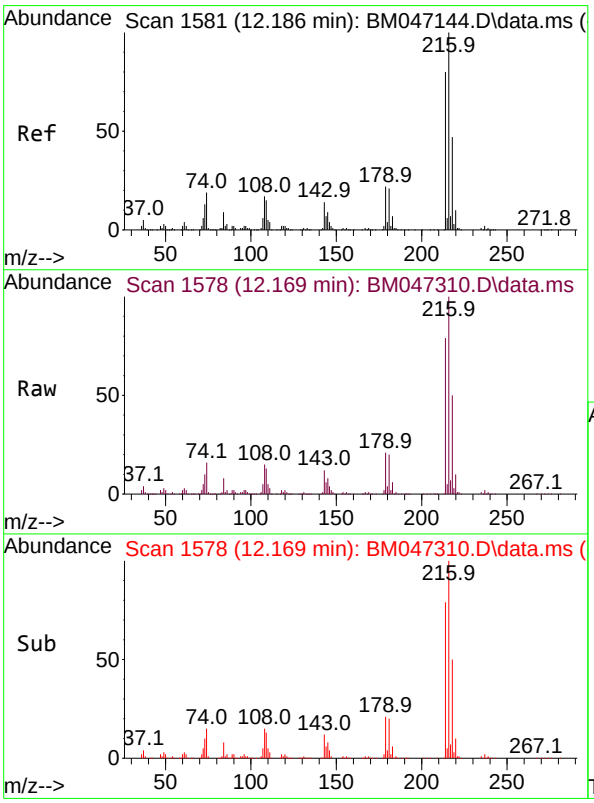
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:164 Resp: 710049

Ion	Ratio	Lower	Upper
164	100		
162	98.4	80.7	121.1
160	44.5	36.0	54.0

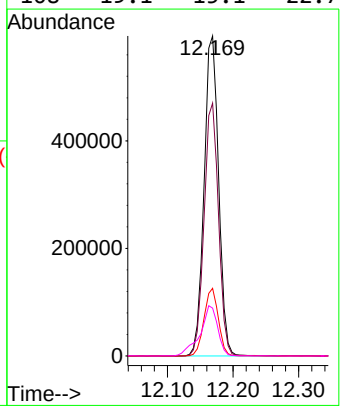


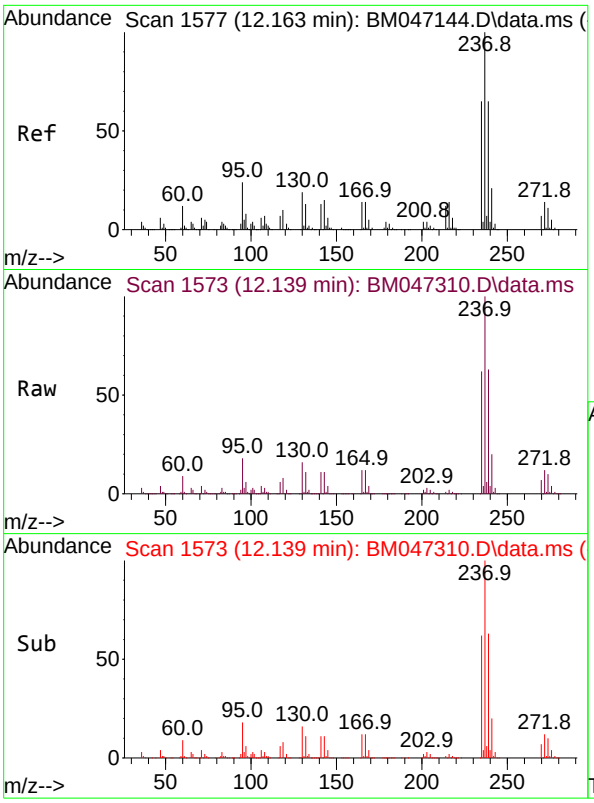


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.392 ng
RT: 12.169 min Scan# 1578
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:216 Resp: 917837

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.4	95.2
179	20.8	17.6	26.4
108	19.1	15.1	22.7



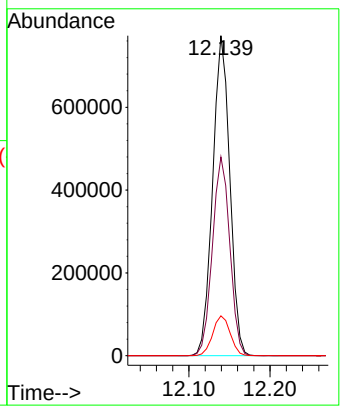


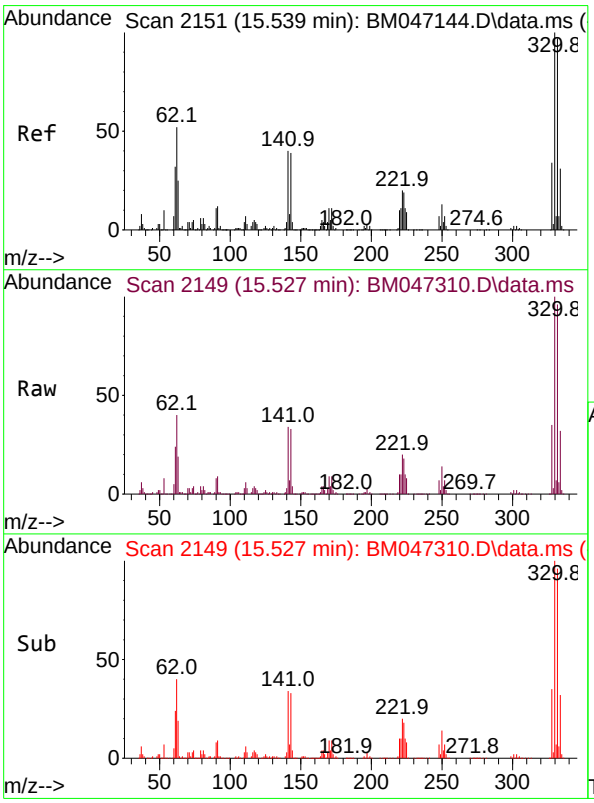
#41
Hexachlorocyclopentadiene
Concen: 167.517 ng
RT: 12.139 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:237 Resp: 1132865

Ion	Ratio	Lower	Upper
237	100		
235	62.1	44.8	84.8
272	12.5	0.0	33.5

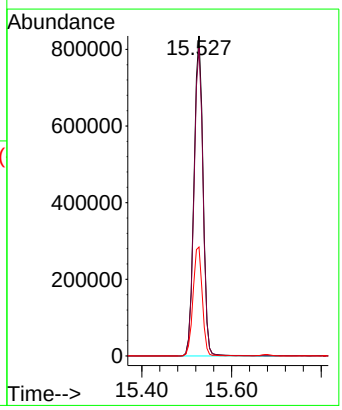


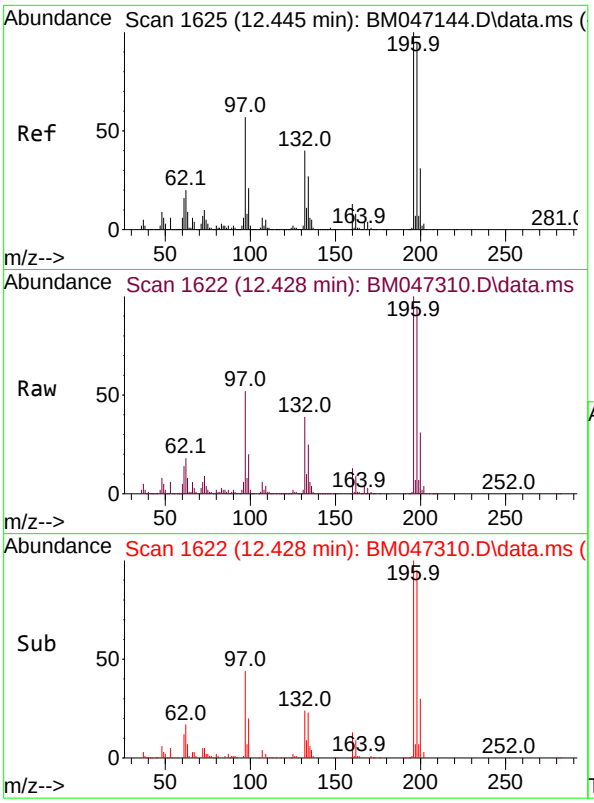


#42
2,4,6-Tribromophenol
Concen: 141.553 ng
RT: 15.527 min Scan# 2149
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:330 Resp: 1165422

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.4	116.2
141	34.8	31.6	47.4



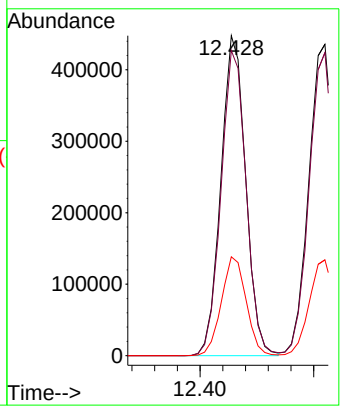


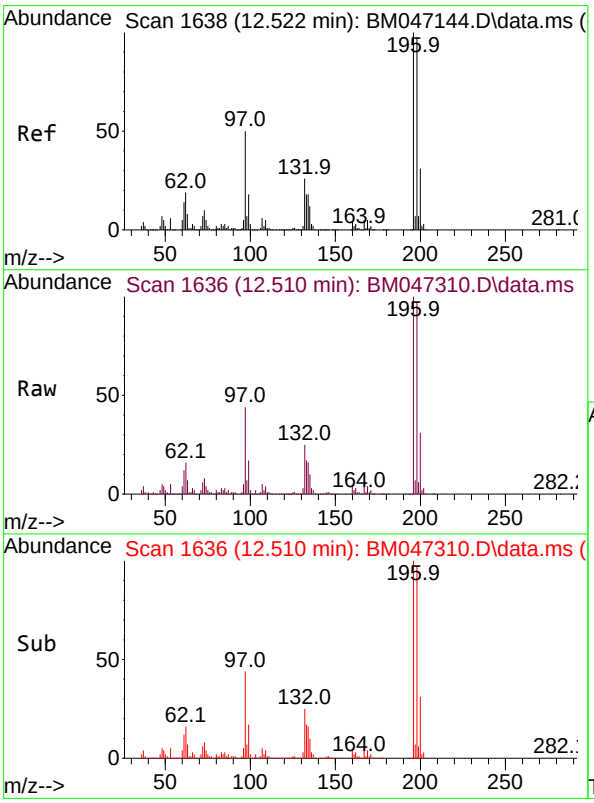
#43
2,4,6-Trichlorophenol
Concen: 49.286 ng
RT: 12.428 min Scan# 1(
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:196 Resp: 678441

Ion	Ratio	Lower	Upper
196	100		
198	95.3	75.6	113.4
200	30.9	24.6	37.0

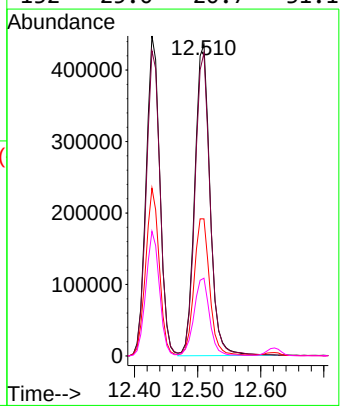


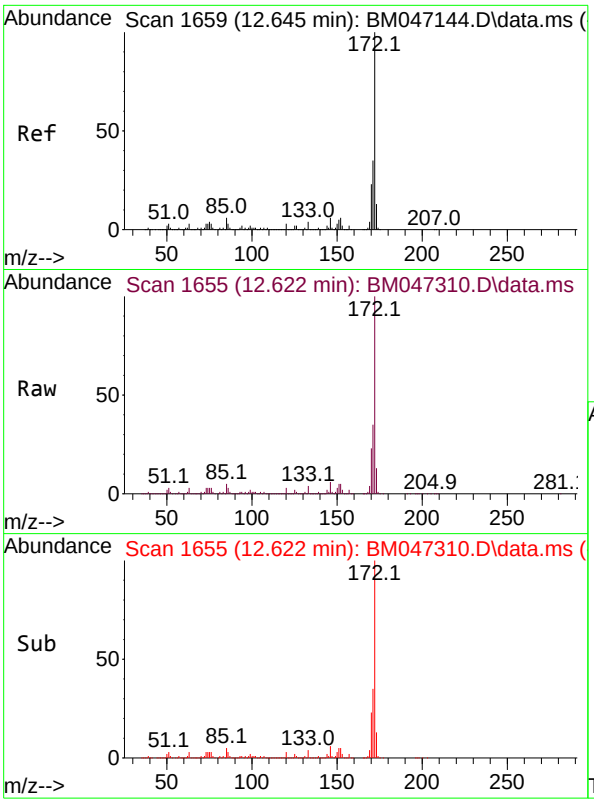


#44
2,4,5-Trichlorophenol
Concen: 47.824 ng
RT: 12.510 min Scan# 1636
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:196 Resp: 730936

Ion	Ratio	Lower	Upper
196	100		
198	97.3	77.7	116.5
97	44.1	39.8	59.8
132	25.0	20.7	31.1



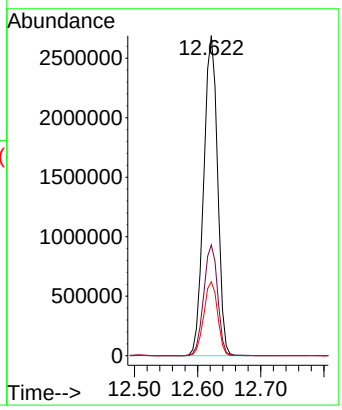


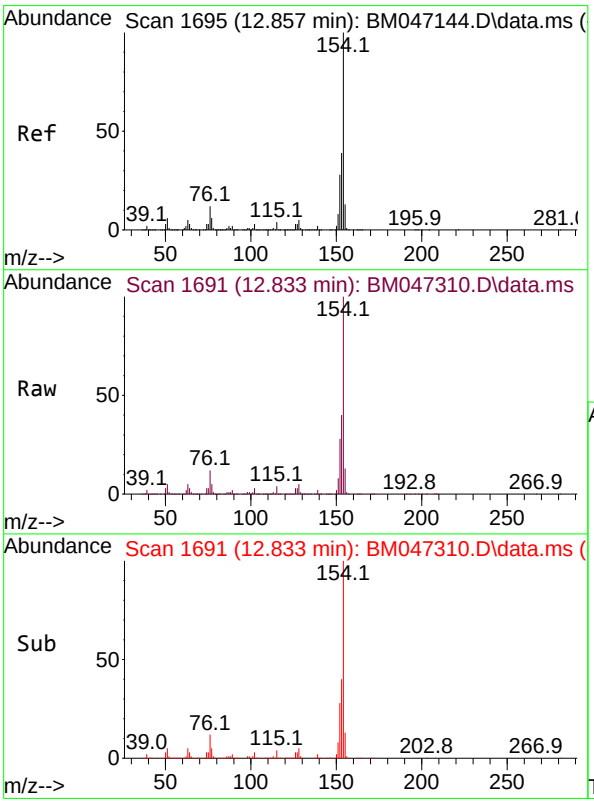
#45
2-Fluorobiphenyl
Concen: 88.773 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:172 Resp: 4086347

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	23.1	18.7	28.1

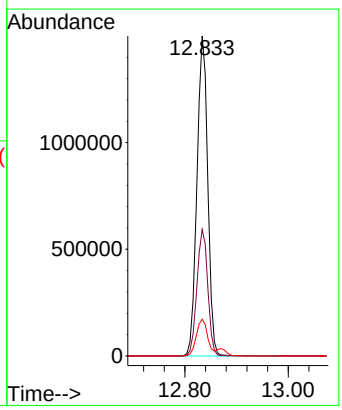


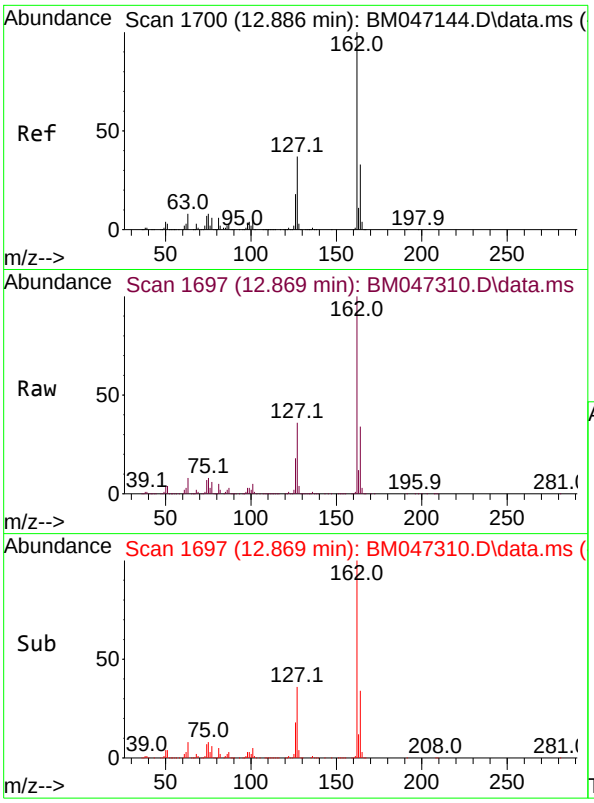


#46
1,1'-Biphenyl
Concen: 42.925 ng
RT: 12.833 min Scan# 1691
Delta R.T. -0.024 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:154 Resp: 2169847

Ion	Ratio	Lower	Upper
154	100		
153	39.6	19.0	59.0
76	11.5	0.0	31.9



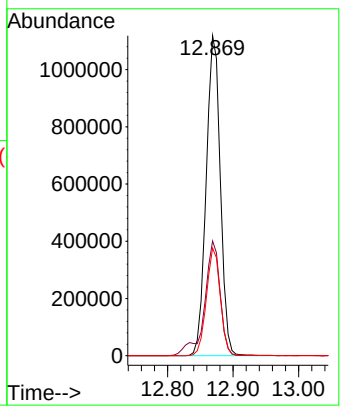


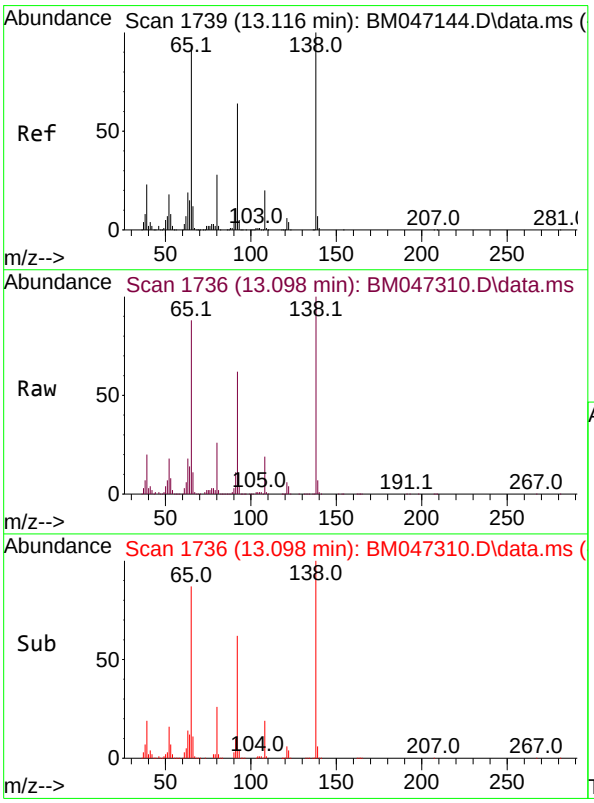
#47
2-Chloronaphthalene
Concen: 42.568 ng
RT: 12.869 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:162 Resp: 1681833

Ion	Ratio	Lower	Upper
162	100		
127	35.9	30.0	45.0
164	33.6	26.3	39.5

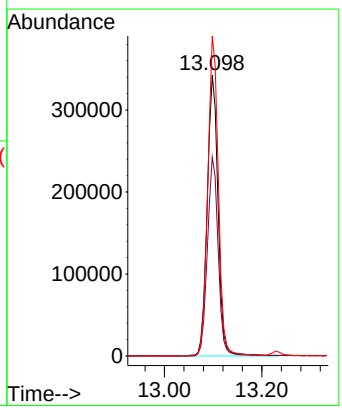


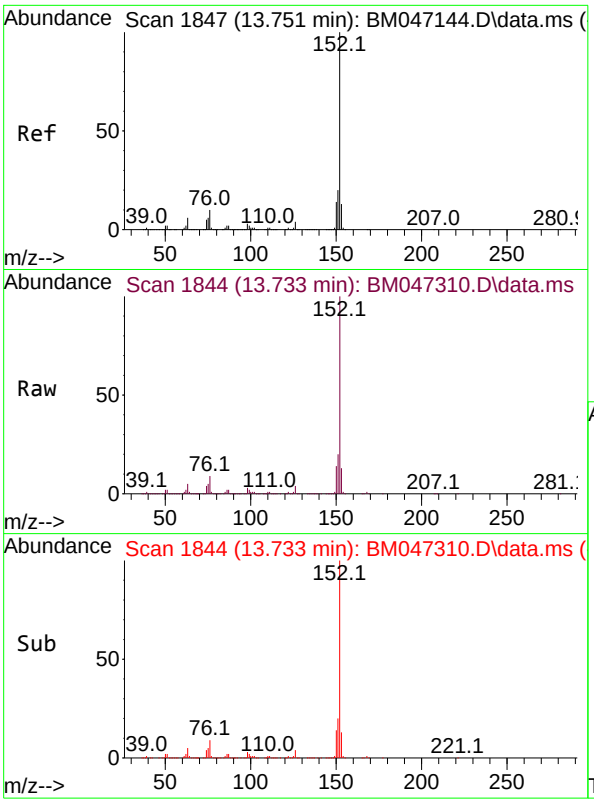


#48
2-Nitroaniline
Concen: 42.831 ng
RT: 13.098 min Scan# 1736
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion: 65 Resp: 530150

Ion	Ratio	Lower	Upper
65	100		
92	70.8	55.1	82.7
138	113.9	85.9	128.9



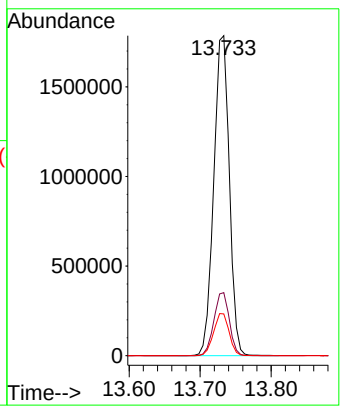


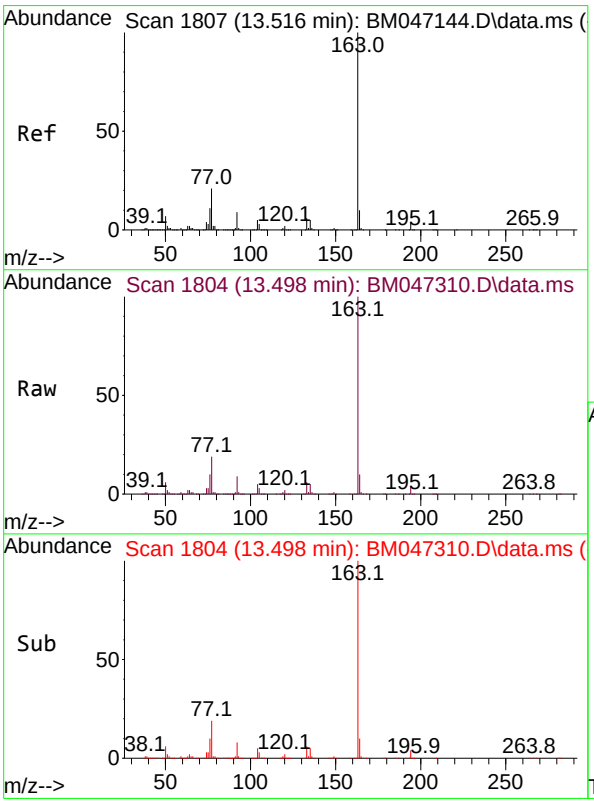
#49
Acenaphthylene
Concen: 46.437 ng
RT: 13.733 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:152 Resp: 2704398

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.1	10.4	15.6

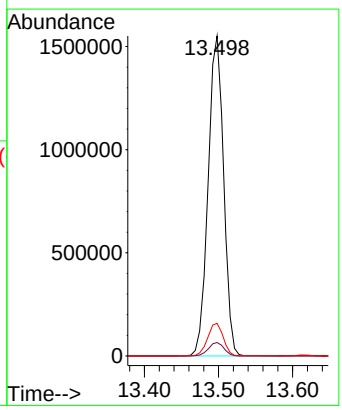


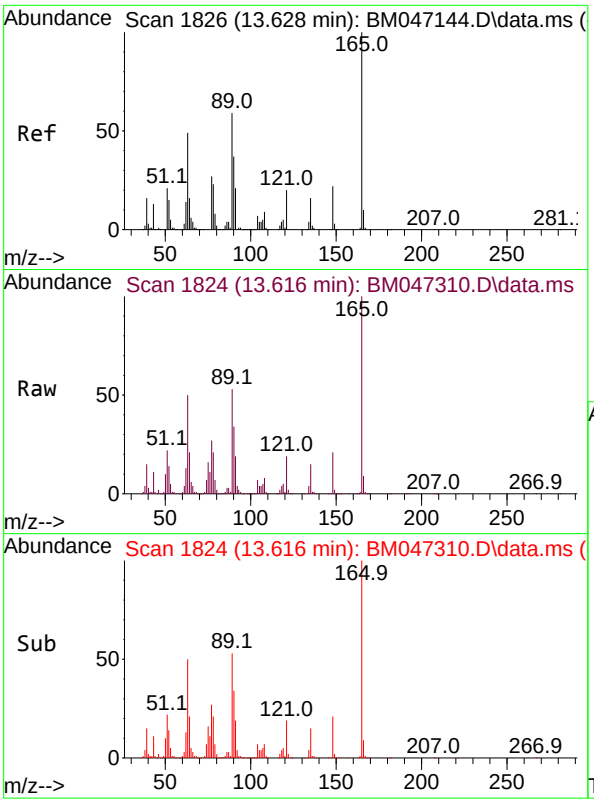


#50
Dimethylphthalate
Concen: 45.411 ng
RT: 13.498 min Scan# 1804
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:163 Resp: 2251972

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.6
164	10.2	8.0	12.0



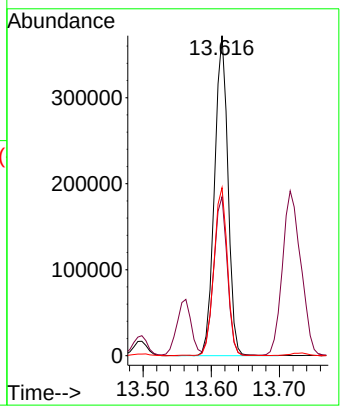


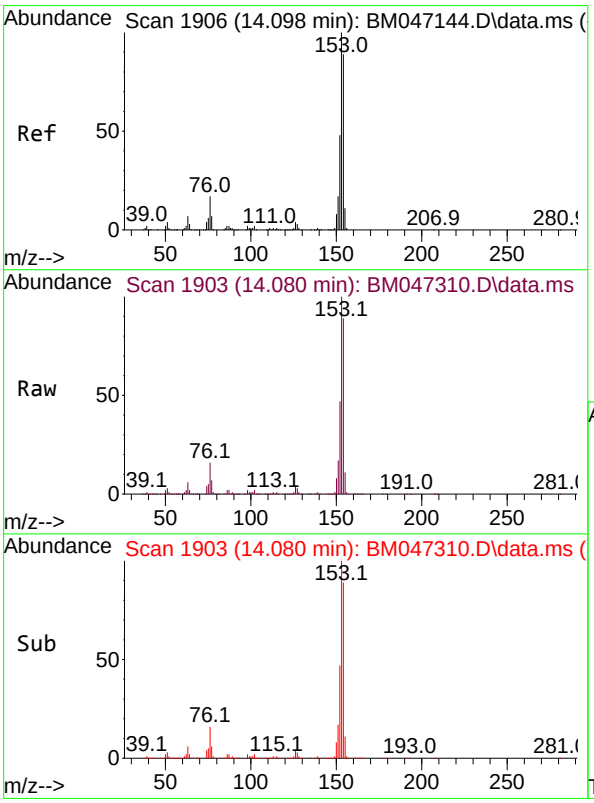
#51
2,6-Dinitrotoluene
Concen: 44.019 ng
RT: 13.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:165 Resp: 510288

Ion	Ratio	Lower	Upper
165	100		
63	49.7	46.5	69.7
89	52.5	47.3	70.9

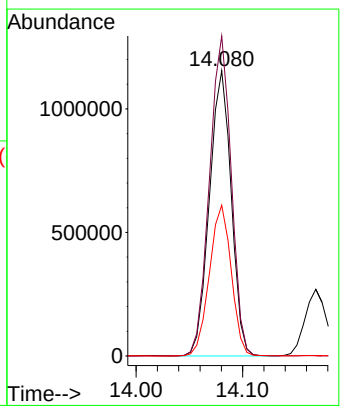


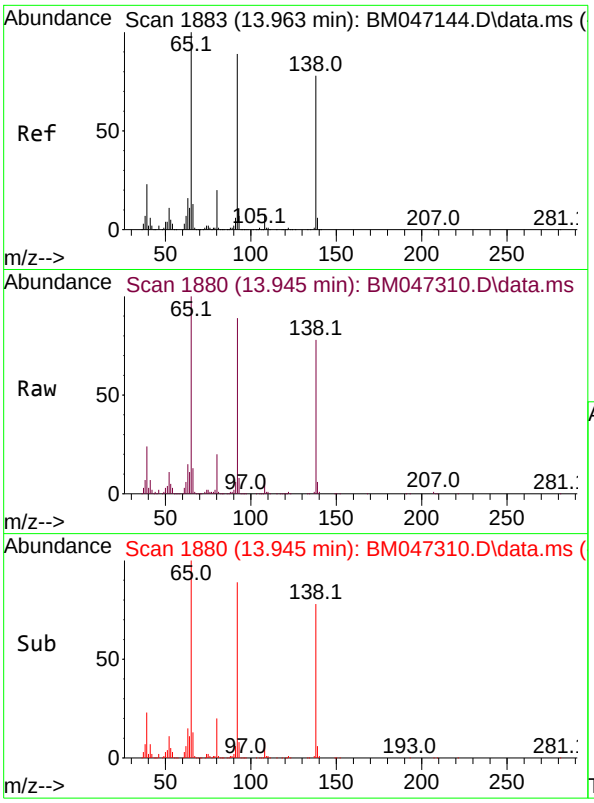


#52
Acenaphthene
Concen: 44.456 ng
RT: 14.080 min Scan# 1903
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:154 Resp: 1642300

Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.3	135.5
152	52.8	42.9	64.3



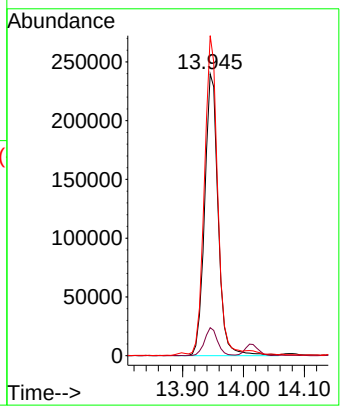


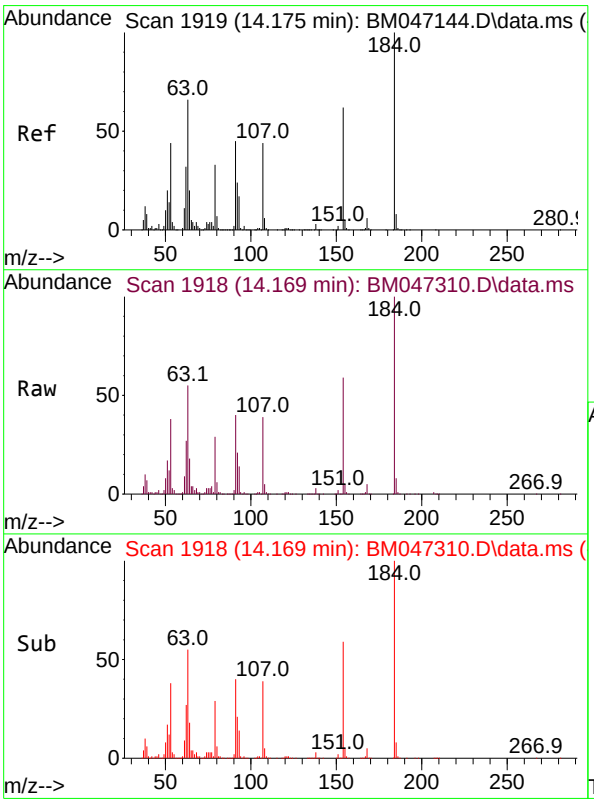
#53
3-Nitroaniline
Concen: 31.856 ng
RT: 13.945 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:138 Resp: 370047

Ion	Ratio	Lower	Upper
138	100		
108	9.9	7.9	11.9
92	113.6	92.0	138.0

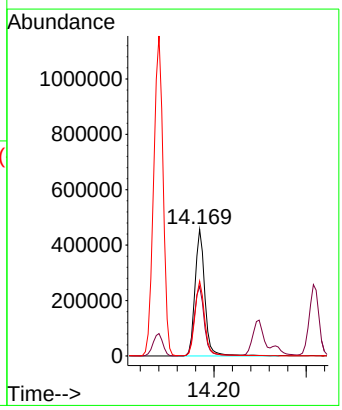


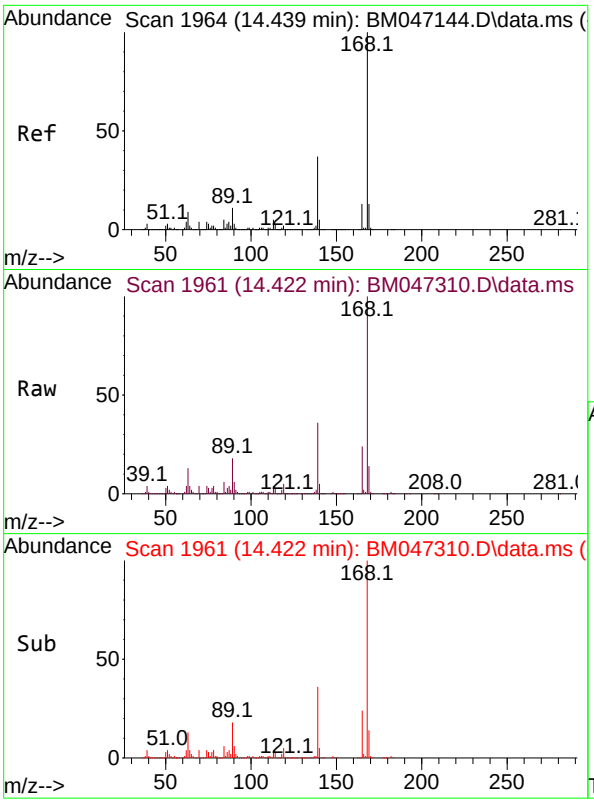


#54
2,4-Dinitrophenol
Concen: 97.625 ng
RT: 14.169 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:184 Resp: 678286

Ion	Ratio	Lower	Upper
184	100		
63	55.0	52.7	79.1
154	59.1	50.4	75.6



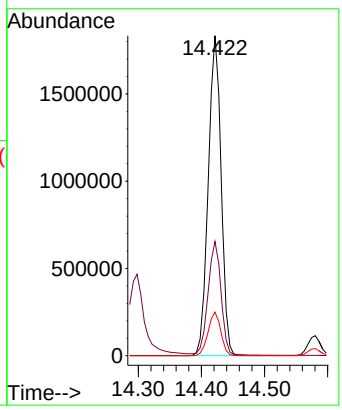


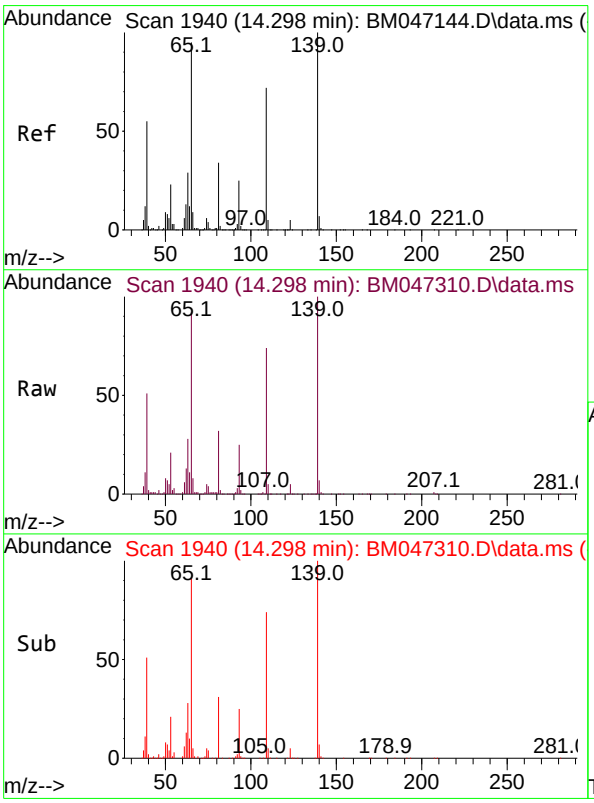
#55
Dibenzofuran
Concen: 44.348 ng
RT: 14.422 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:168 Resp: 2587826

Ion	Ratio	Lower	Upper
168	100		
139	35.7	29.6	44.4
169	13.6	10.7	16.1

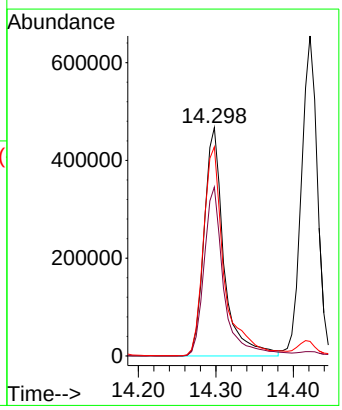


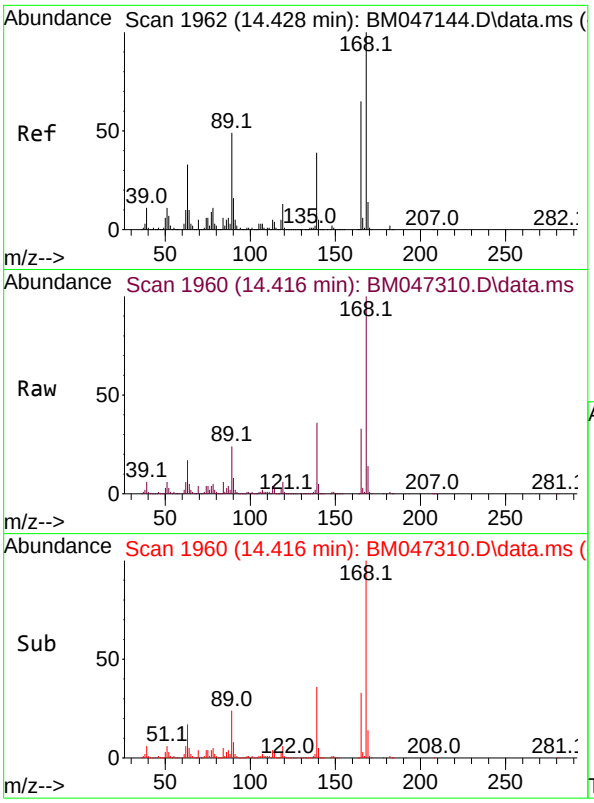


#56
4-Nitrophenol
Concen: 82.596 ng
RT: 14.298 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:139 Resp: 827328

Ion	Ratio	Lower	Upper
139	100		
109	74.0	52.5	92.5
65	91.6	75.4	115.4



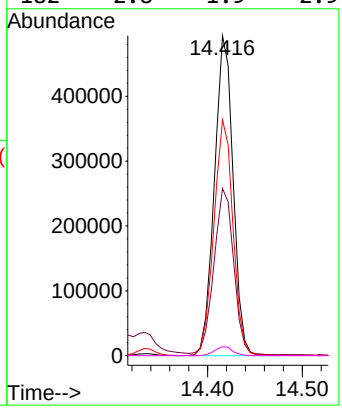


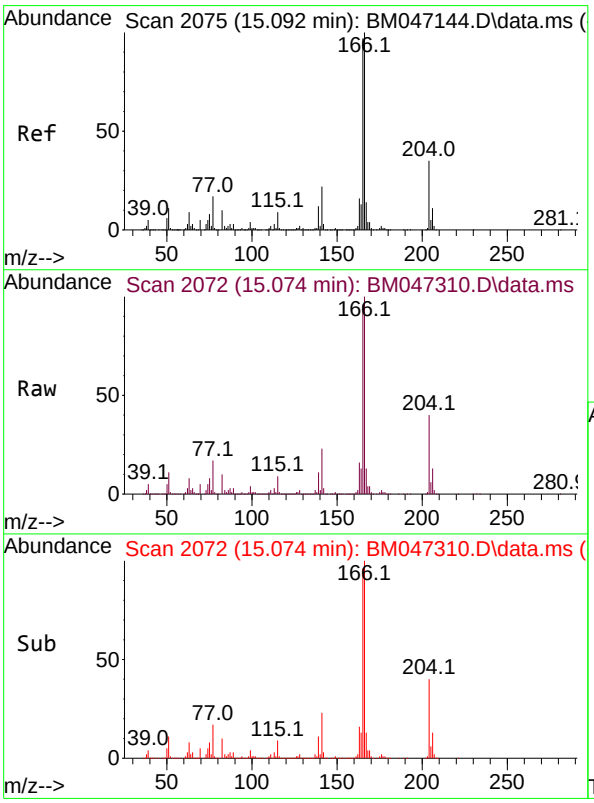
#57
2,4-Dinitrotoluene
Concen: 43.861 ng
RT: 14.416 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:165 Resp: 678658

Ion	Ratio	Lower	Upper
165	100		
63	52.3	40.3	60.5
89	73.6	61.0	91.6
182	2.8	1.9	2.9

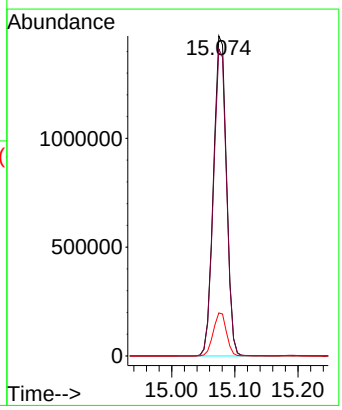


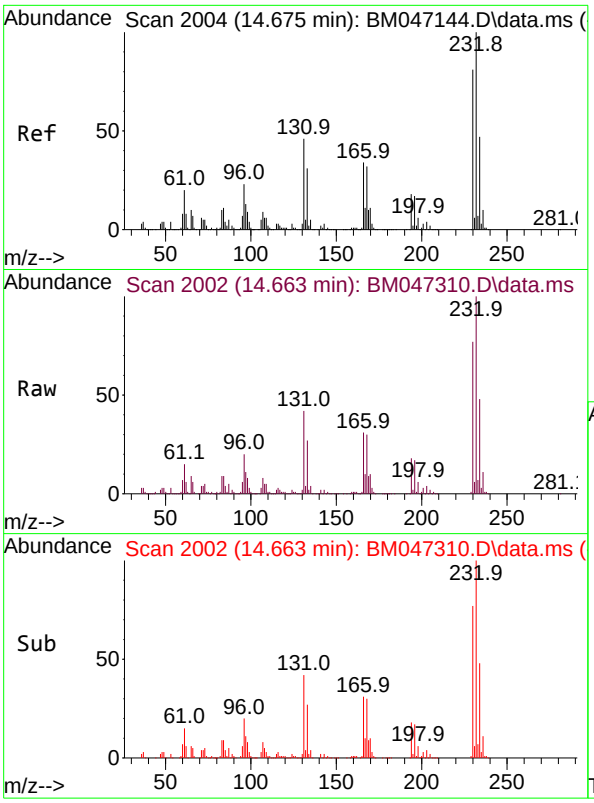


#58
Fluorene
Concen: 43.803 ng
RT: 15.074 min Scan# 2072
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:166 Resp: 2109000

Ion	Ratio	Lower	Upper
166	100		
165	95.9	77.4	116.0
167	13.5	11.0	16.6



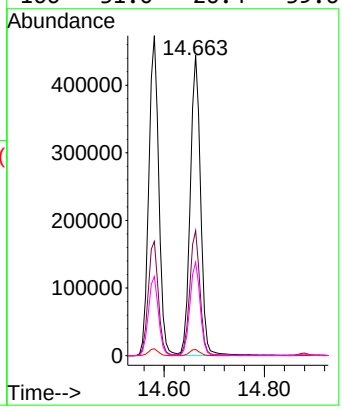


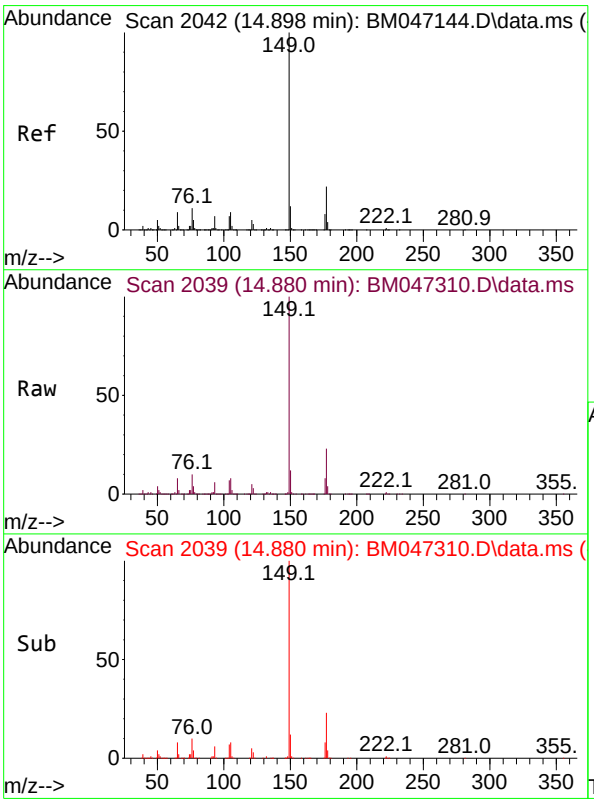
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.313 ng
RT: 14.663 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:232 Resp: 631983

Ion	Ratio	Lower	Upper
232	100		
131	41.1	36.9	55.3
130	2.1	2.0	3.0
166	31.0	26.4	39.6

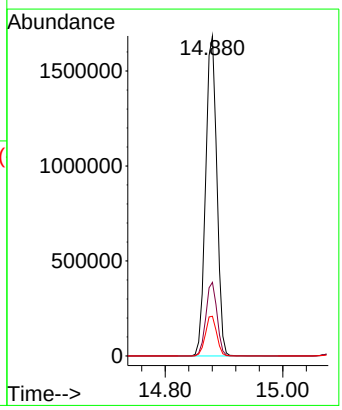


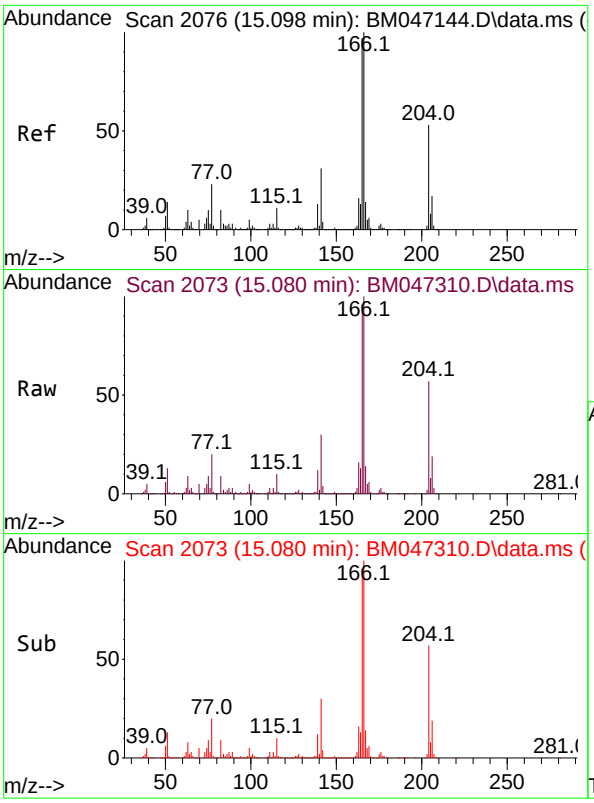


#60
Diethylphthalate
Concen: 44.049 ng
RT: 14.880 min Scan# 2039
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:149 Resp: 2230677

Ion	Ratio	Lower	Upper
149	100		
177	23.0	17.6	26.4
150	12.4	9.8	14.6



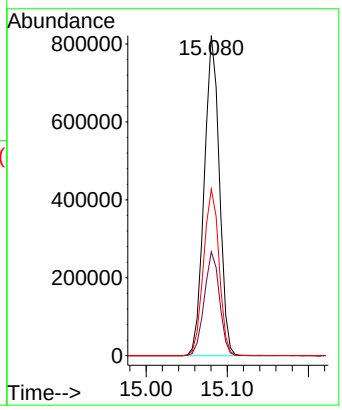


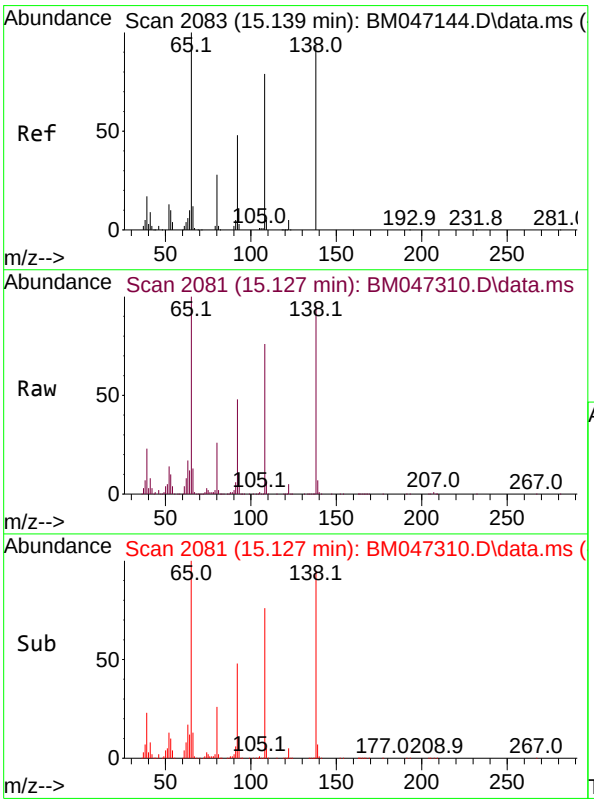
#61
4-Chlorophenyl-phenylether
Concen: 46.229 ng
RT: 15.080 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:204 Resp: 1059646

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.2	39.4
141	52.1	47.2	70.8

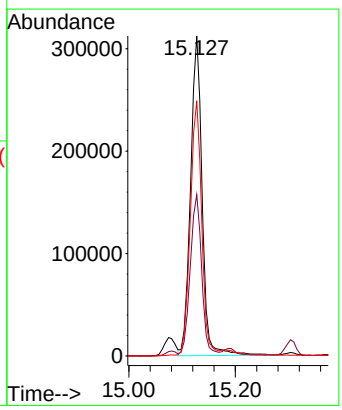


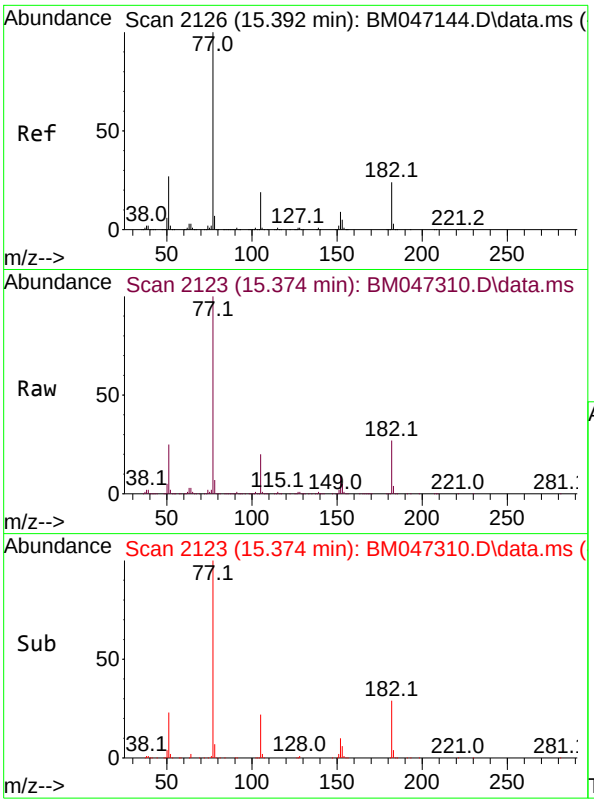


#62
4-Nitroaniline
Concen: 41.233 ng
RT: 15.127 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:138 Resp: 471865

Ion	Ratio	Lower	Upper
138	100		
92	50.4	31.9	71.9
108	79.8	63.8	103.8



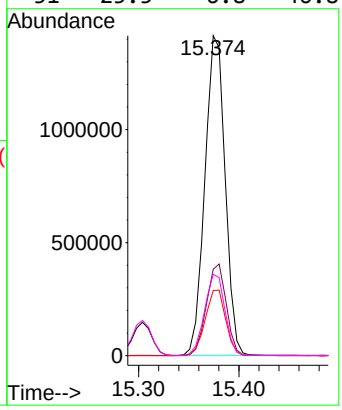


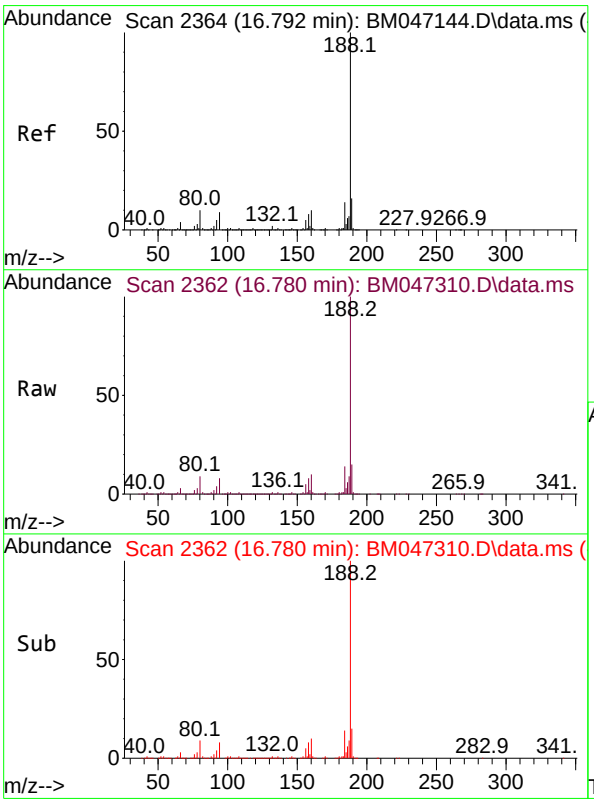
#63
Azobenzene
Concen: 41.435 ng
RT: 15.374 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion: 77 Resp: 1989512

Ion	Ratio	Lower	Upper
77	100		
182	27.0	3.8	43.8
105	20.3	0.0	39.5
51	25.5	6.8	46.8

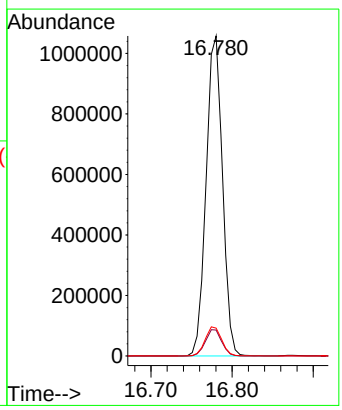


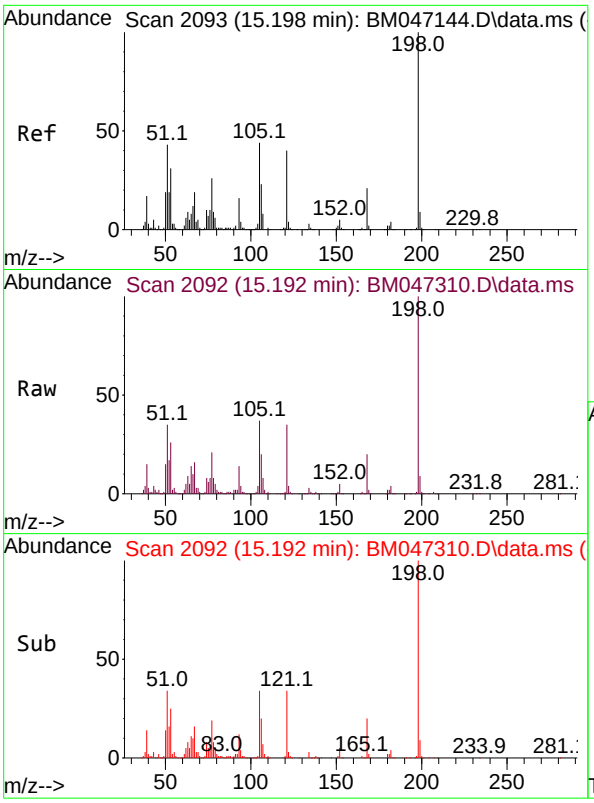


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 2362
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:188 Resp: 1479379

Ion	Ratio	Lower	Upper
188	100		
94	8.1	7.0	10.6
80	8.7	8.0	12.0



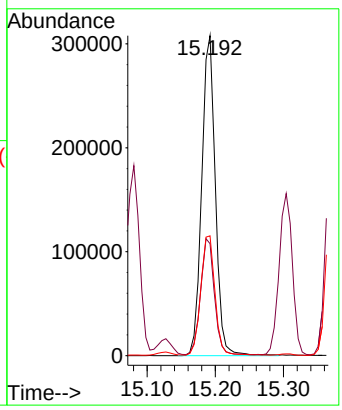


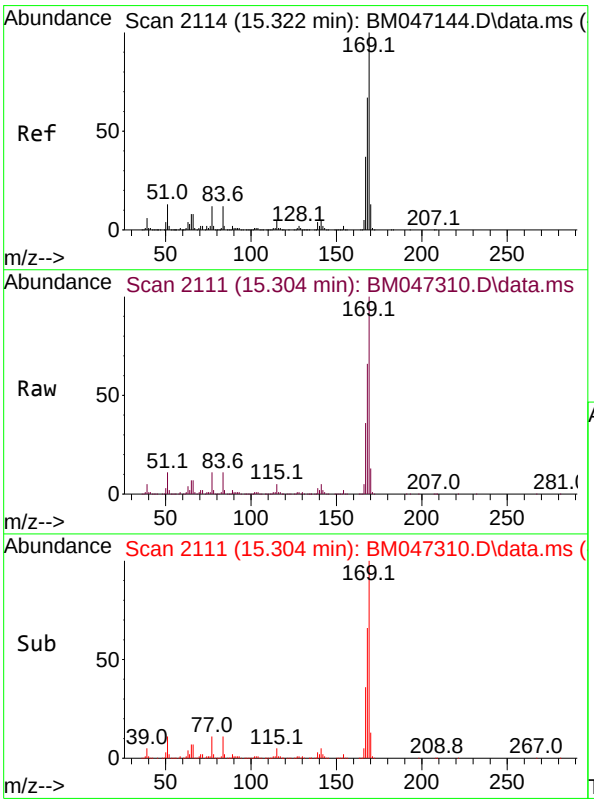
#65
4,6-Dinitro-2-methylphenol
Concen: 49.514 ng
RT: 15.192 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:198 Resp: 428862

Ion	Ratio	Lower	Upper
198	100		
51	35.0	23.9	63.9
105	37.5	24.3	64.3

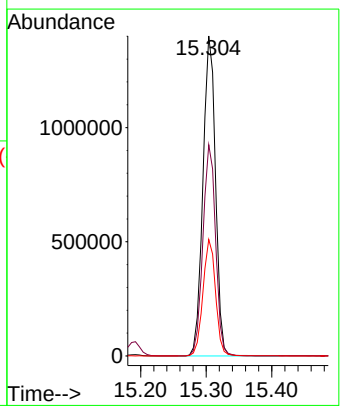


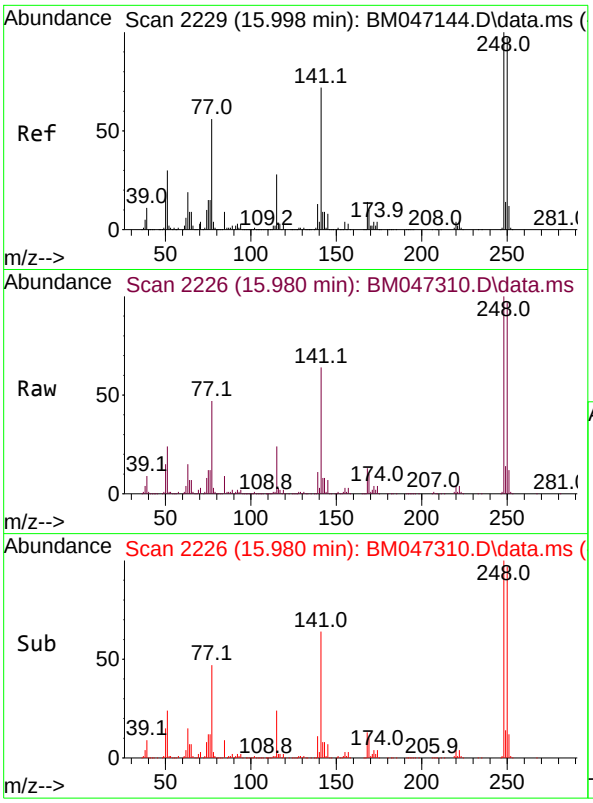


#66
n-Nitrosodiphenylamine
Concen: 46.450 ng
RT: 15.304 min Scan# 2111
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:169 Resp: 1871683

Ion	Ratio	Lower	Upper
169	100		
168	66.0	53.8	80.8
167	36.4	29.3	43.9



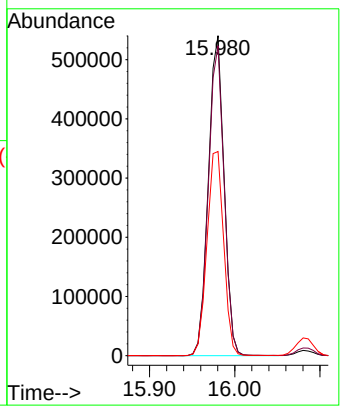


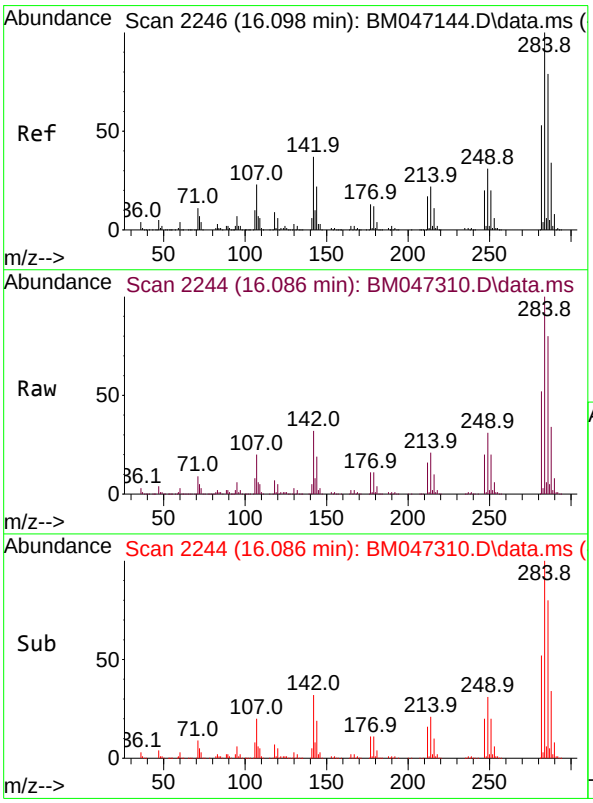
#67
4-Bromophenyl-phenylether
Concen: 48.809 ng
RT: 15.980 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:248 Resp: 695804

Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.8	116.8
141	63.8	57.7	86.5

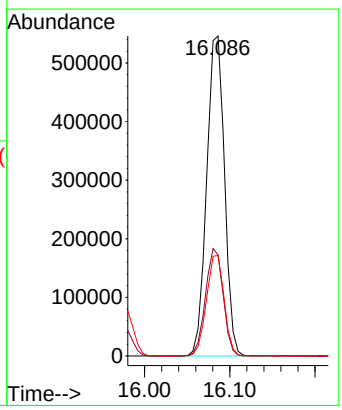


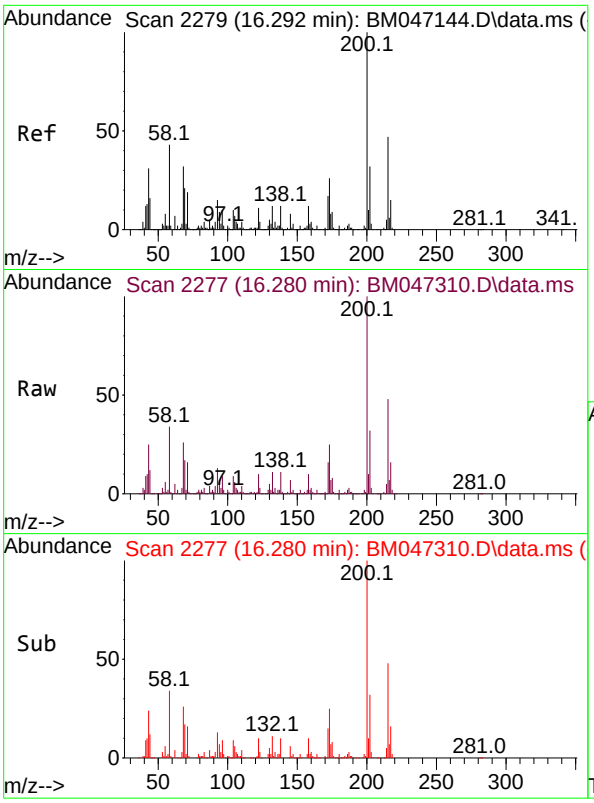


#68
Hexachlorobenzene
Concen: 46.525 ng
RT: 16.086 min Scan# 2244
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:284 Resp: 794331

Ion	Ratio	Lower	Upper
284	100		
142	31.6	29.4	44.0
249	31.4	25.1	37.7



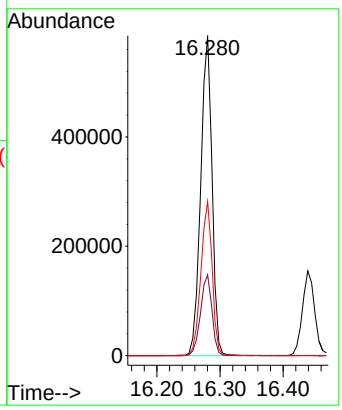


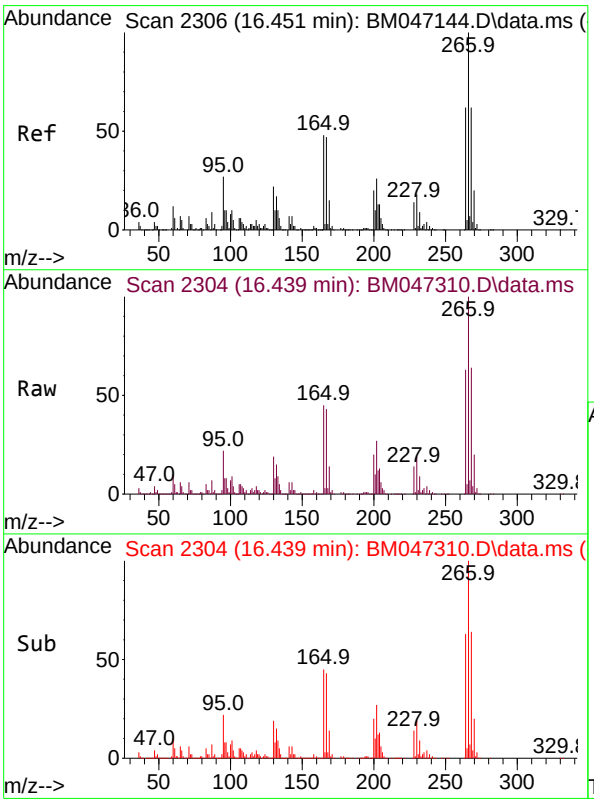
#69
Atrazine
Concen: 60.191 ng
RT: 16.280 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:200 Resp: 729838

Ion	Ratio	Lower	Upper
200	100		
173	25.3	6.1	46.1
215	48.2	26.8	66.8

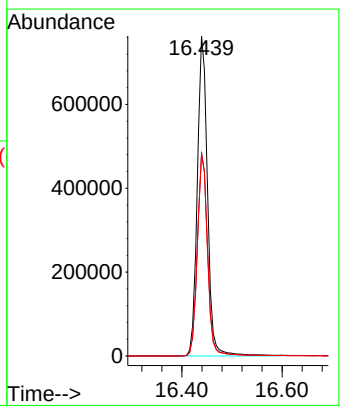


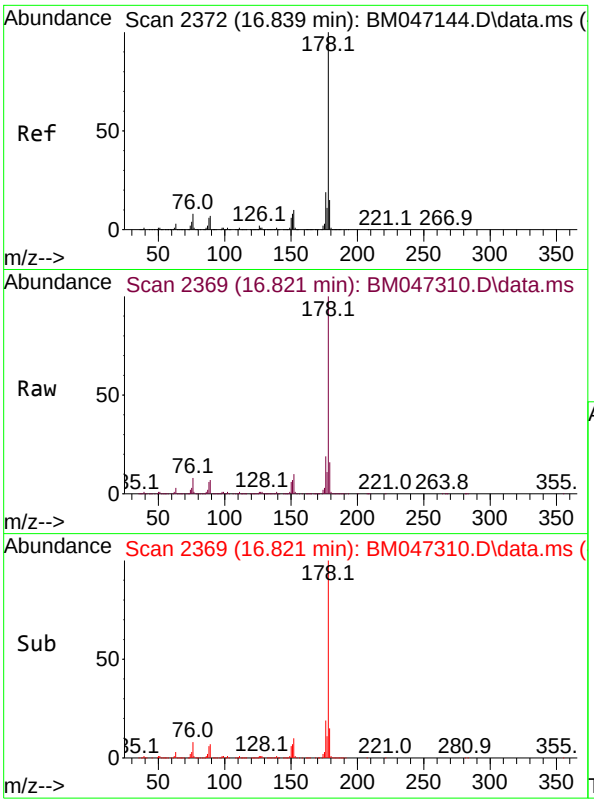


#70
Pentachlorophenol
Concen: 89.799 ng
RT: 16.439 min Scan# 2304
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:266 Resp: 1074718

Ion	Ratio	Lower	Upper
266	100		
268	63.6	49.8	74.6
264	62.9	49.6	74.4



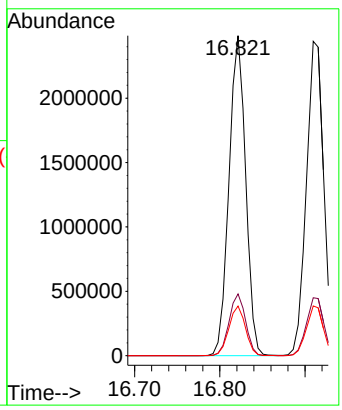


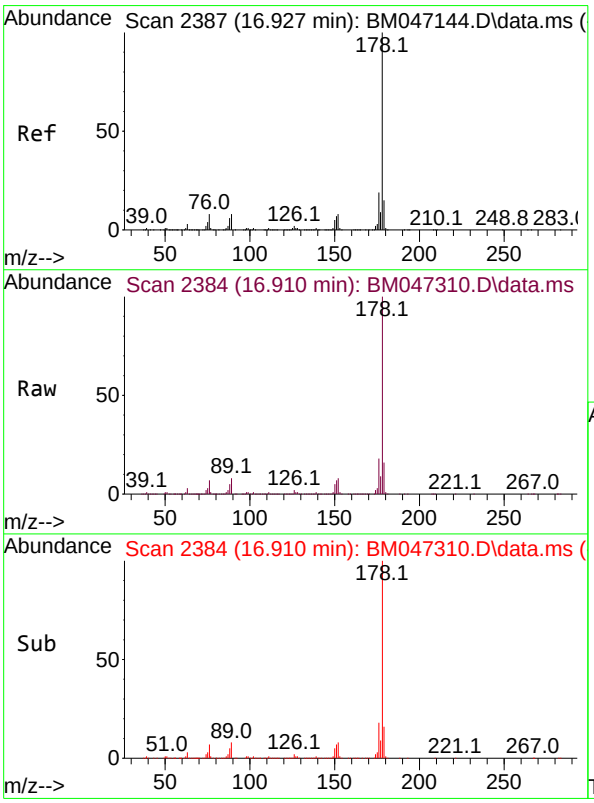
#71
Phenanthrene
Concen: 45.590 ng
RT: 16.821 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:178 Resp: 3384793

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.5	12.4	18.6

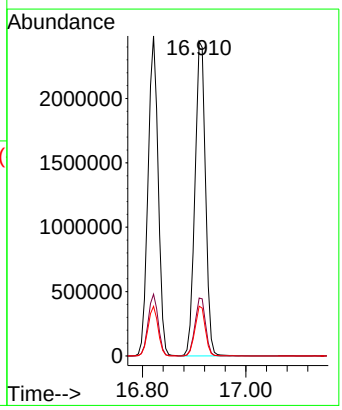


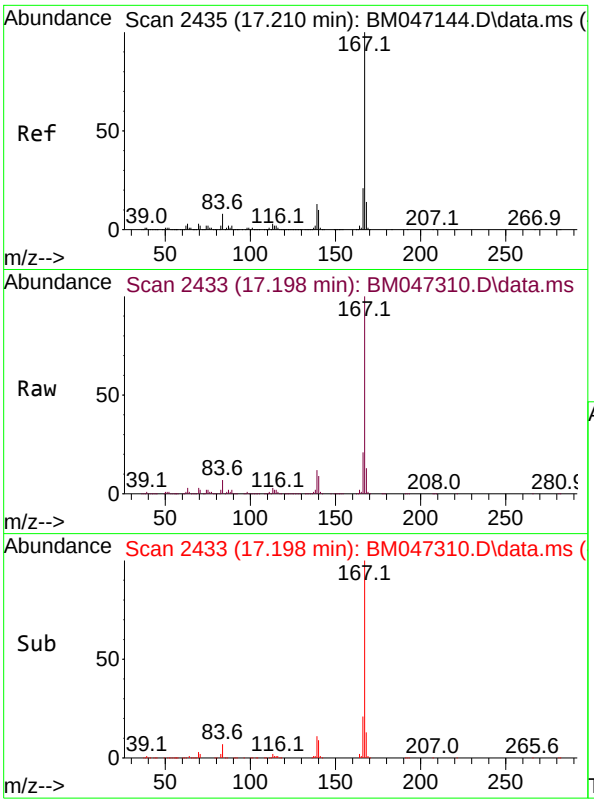


#72
Anthracene
Concen: 47.776 ng
RT: 16.910 min Scan# 2384
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:178 Resp: 3451340

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.8	12.4	18.6



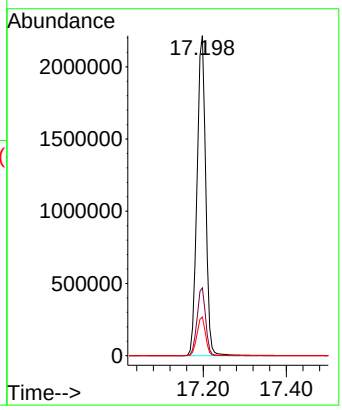


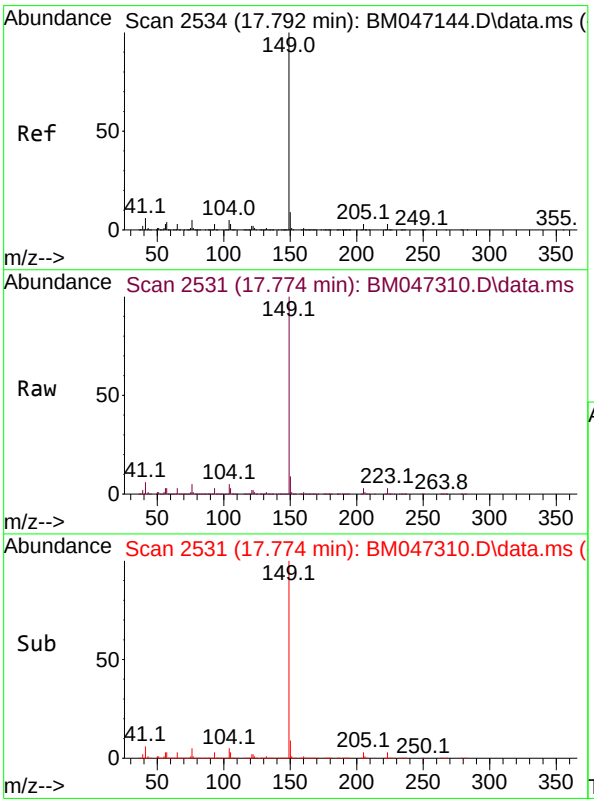
#73
Carbazole
Concen: 43.647 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:167 Resp: 3219394

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.1	25.7
139	12.1	10.0	15.0

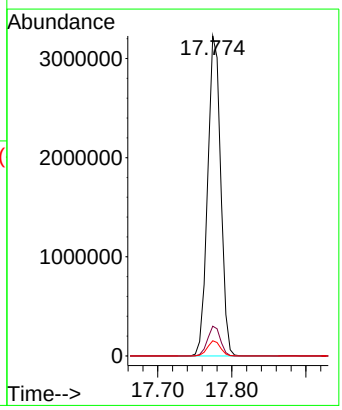


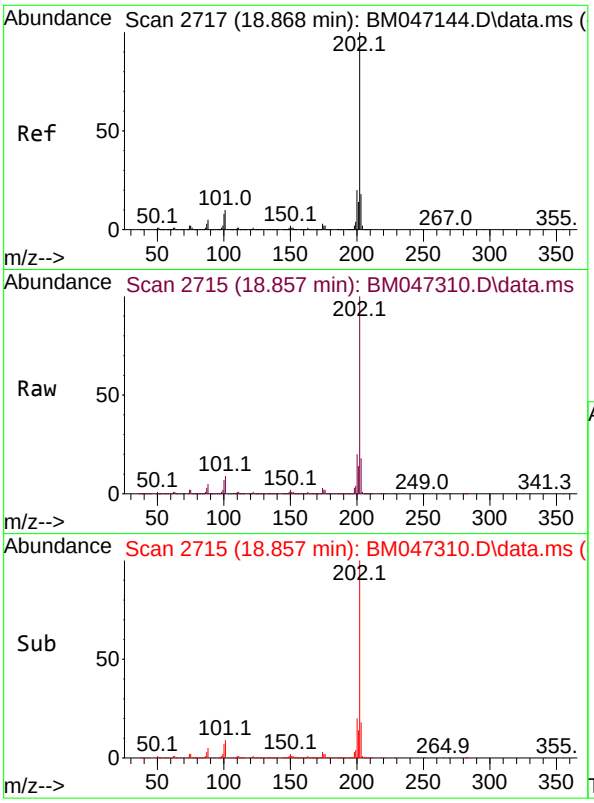


#74
Di-n-butylphthalate
Concen: 45.920 ng
RT: 17.774 min Scan# 2531
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:149 Resp: 3941045

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	4.7	4.1	6.1



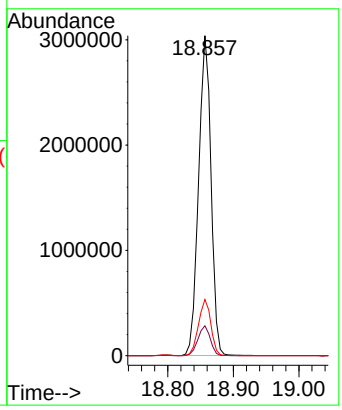


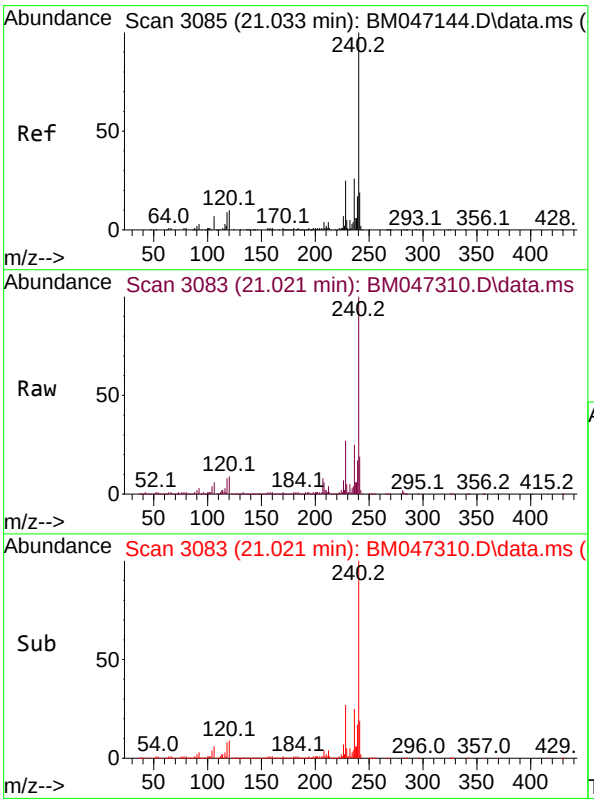
#75
Fluoranthene
Concen: 44.376 ng
RT: 18.857 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:202 Resp: 4007400

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	30.2
203	17.6	0.0	37.6

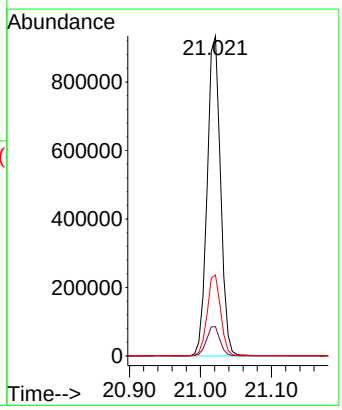


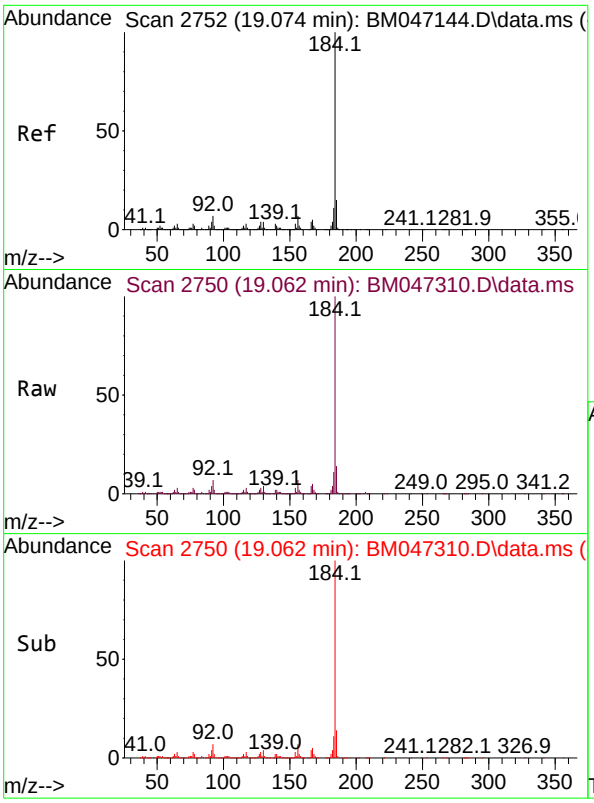


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:240 Resp: 1223655

Ion	Ratio	Lower	Upper
240	100		
120	9.1	8.2	12.2
236	25.3	20.6	30.8



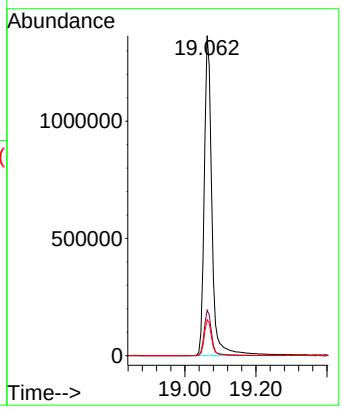


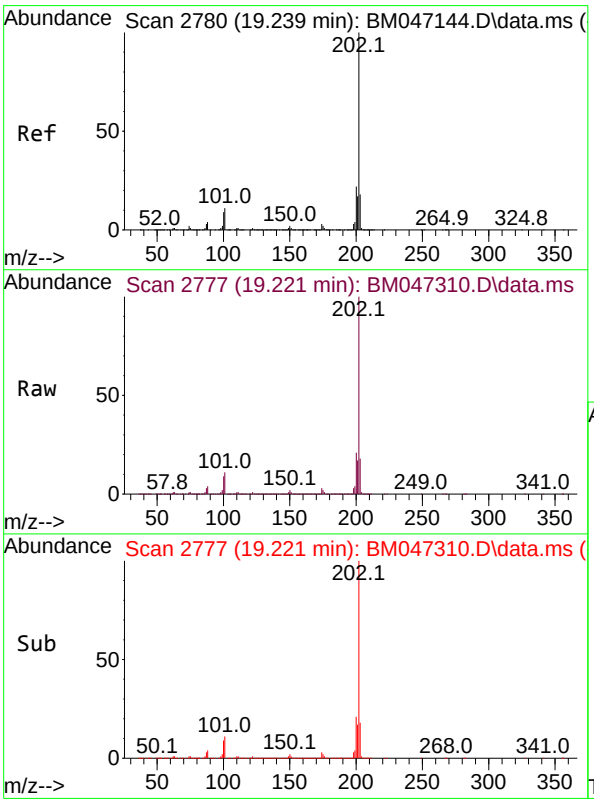
#77
Benzidine
Concen: 98.853 ng
RT: 19.062 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:184 Resp: 2051336

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.8	17.6
183	11.2	9.0	13.6

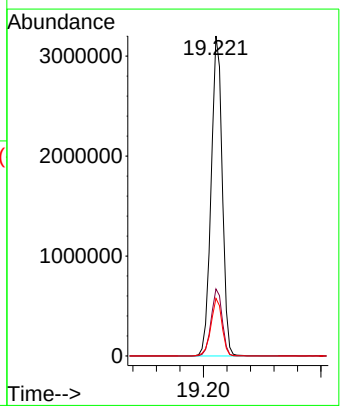


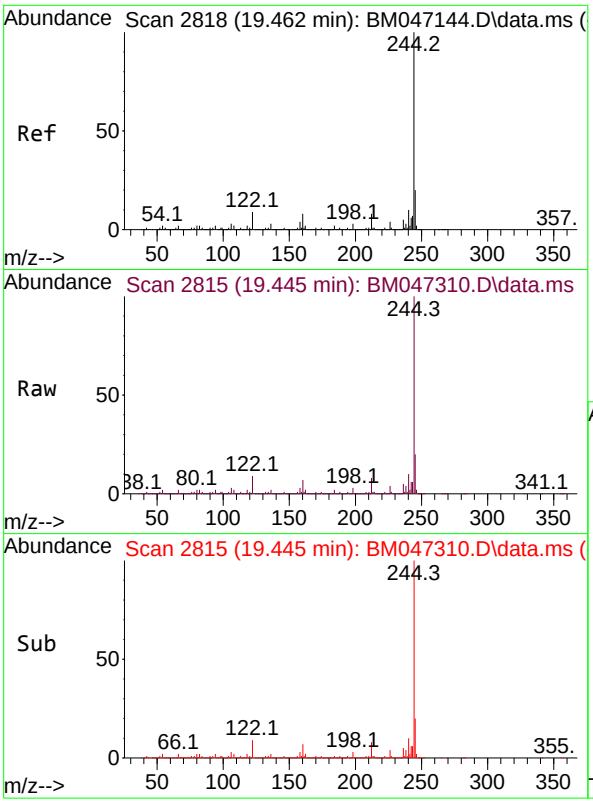


#78
Pyrene
Concen: 47.931 ng
RT: 19.221 min Scan# 2777
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:202 Resp: 4187851

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	18.0	14.2	21.2



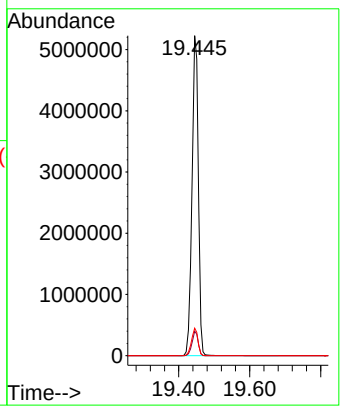


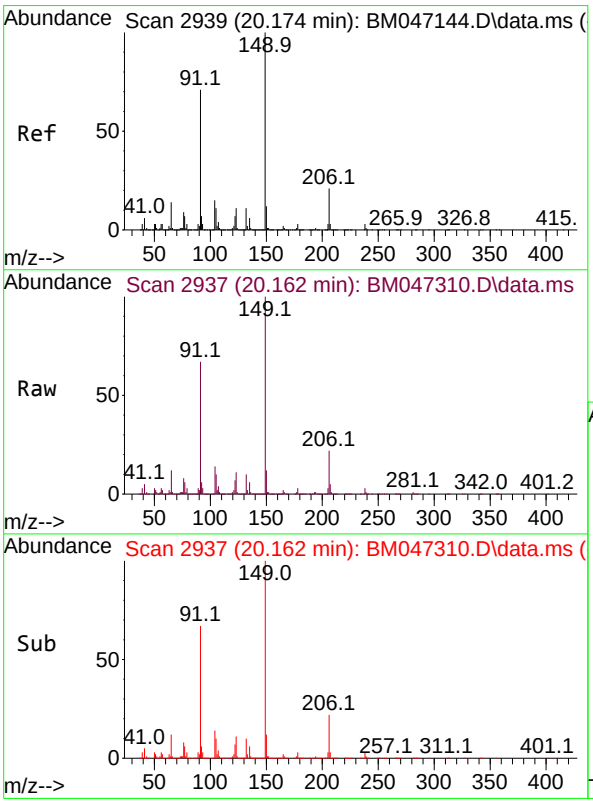
#79
Terphenyl-d14
Concen: 113.318 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:244 Resp: 6471163

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.4
122	8.6	7.1	10.7

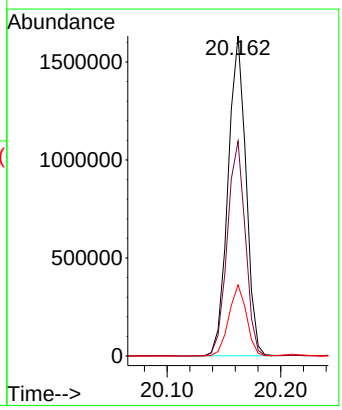


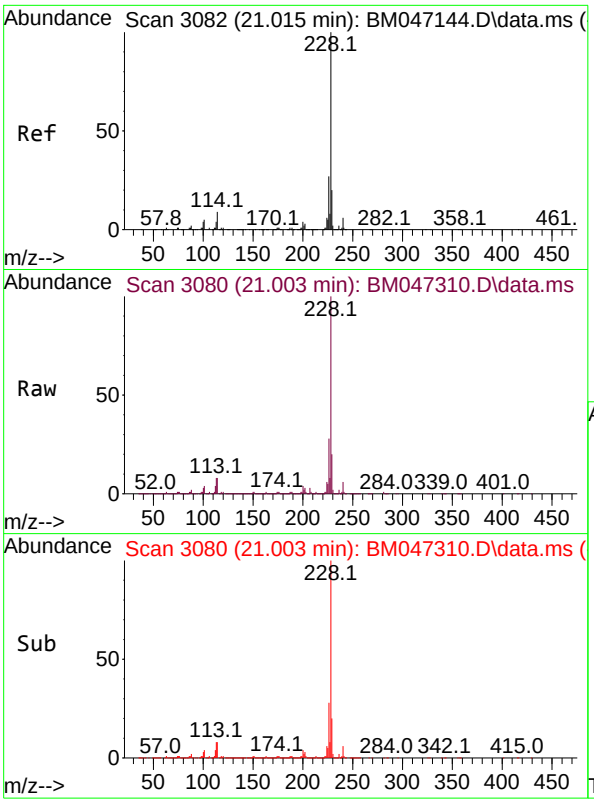


#80
Butylbenzylphthalate
Concen: 50.035 ng
RT: 20.162 min Scan# 2937
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:149 Resp: 1784095

Ion	Ratio	Lower	Upper
149	100		
91	67.1	57.0	85.4
206	22.2	16.4	24.6



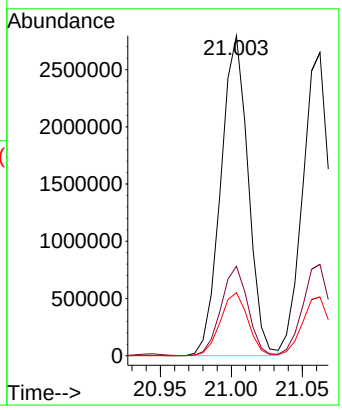


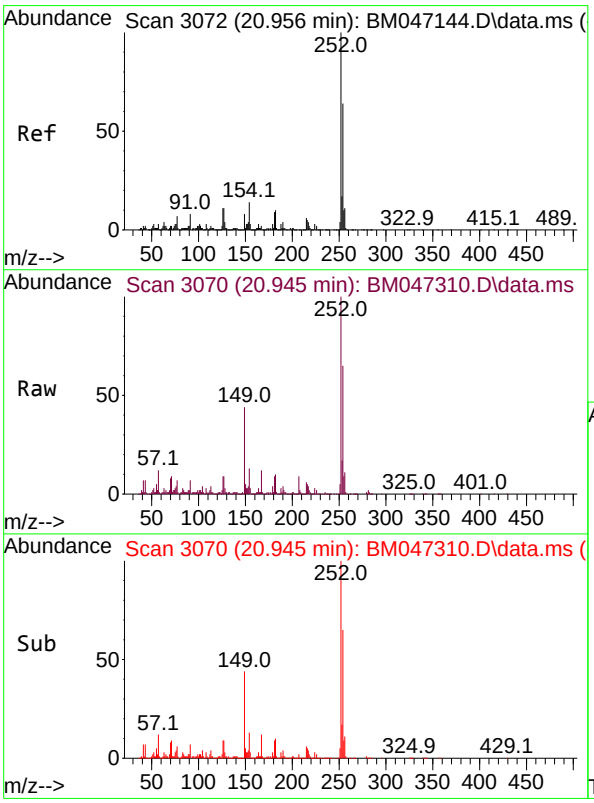
#81
Benzo(a)anthracene
Concen: 46.166 ng
RT: 21.003 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:228 Resp: 3750236

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.8	32.6
229	19.7	15.8	23.8

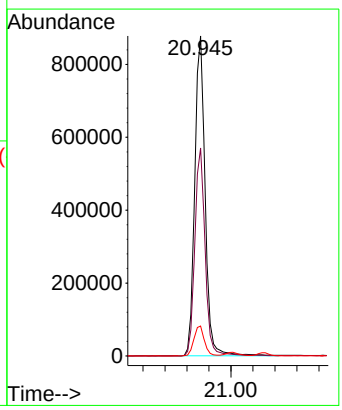


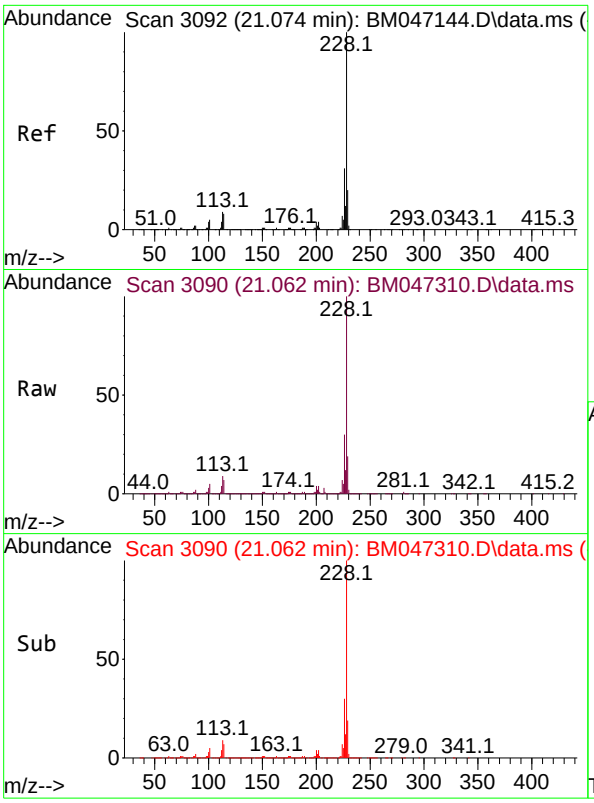


#82
3,3'-Dichlorobenzidine
Concen: 45.402 ng
RT: 20.945 min Scan# 3070
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:252 Resp: 1153958

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.0	76.6
126	9.4	8.5	12.7



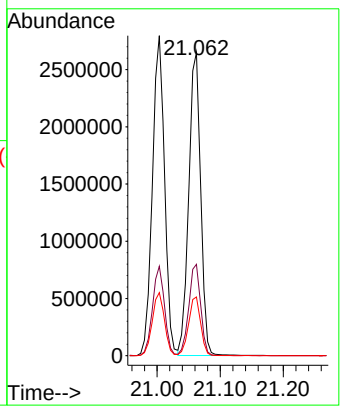


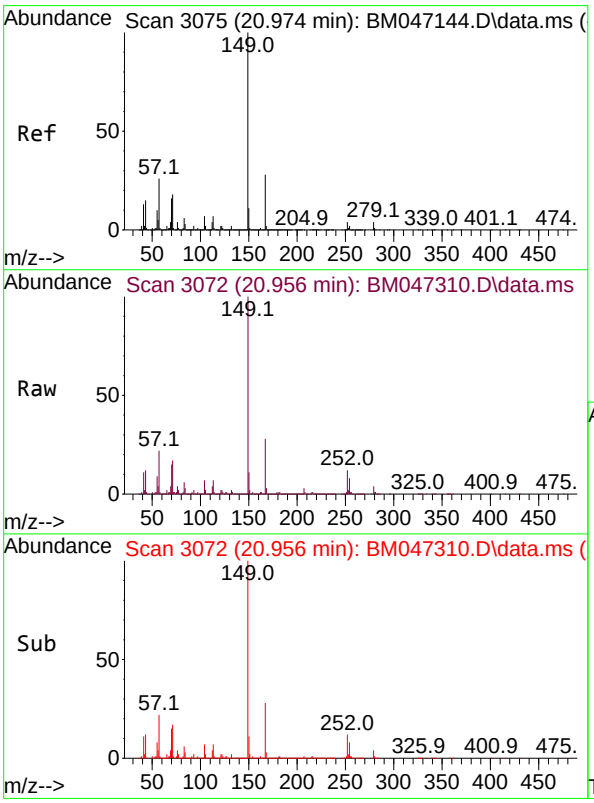
#83
Chrysene
Concen: 45.103 ng
RT: 21.062 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:228 Resp: 3476141

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.4	36.6
229	19.4	15.7	23.5

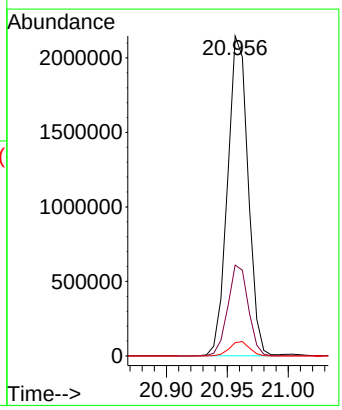


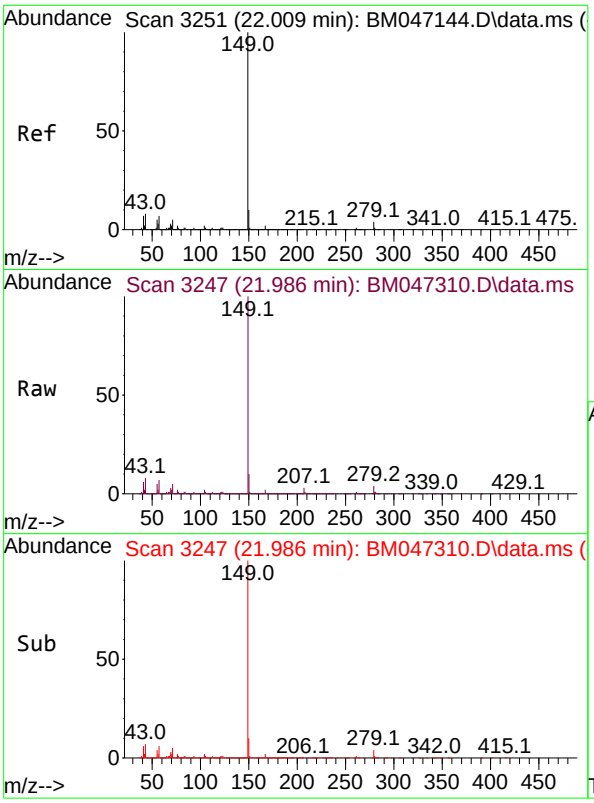


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.699 ng
RT: 20.956 min Scan# 3072
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:149 Resp: 2513126

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.2	33.2
279	4.1	3.0	4.4



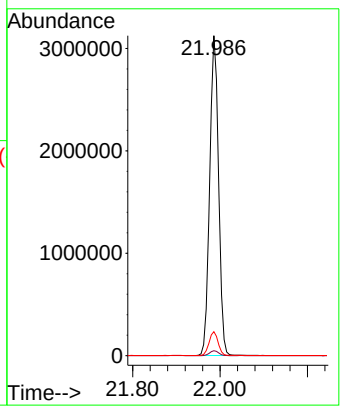


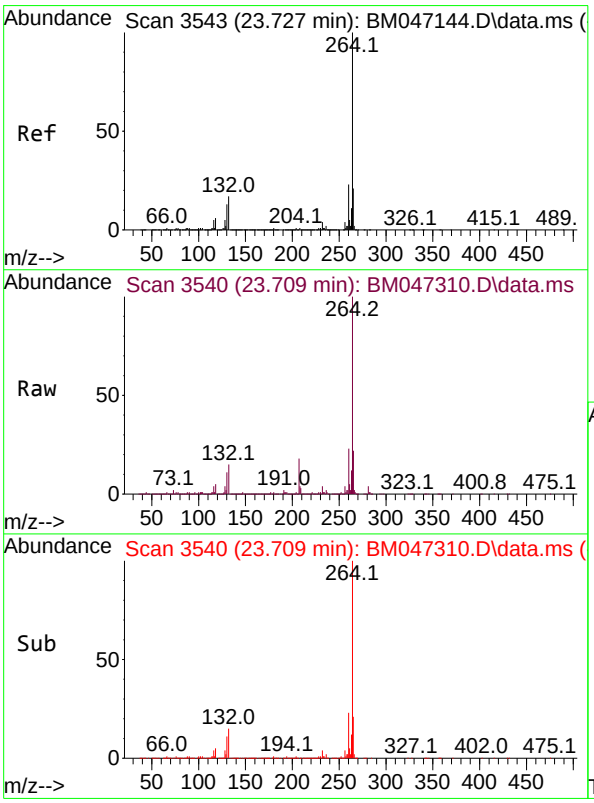
#85
Di-n-octyl phthalate
Concen: 51.417 ng
RT: 21.986 min Scan# 3
Delta R.T. -0.024 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:149 Resp: 4419245

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.6	6.9	10.3

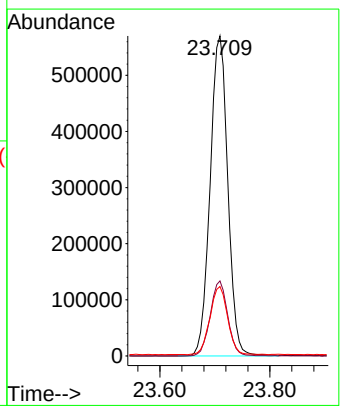


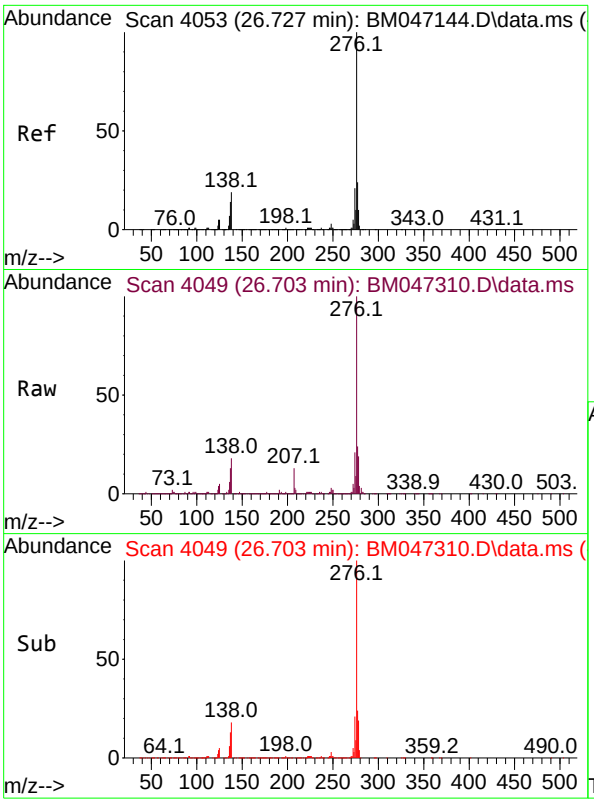


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.709 min Scan# 3540
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:264 Resp: 1272658

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	21.7	17.3	25.9



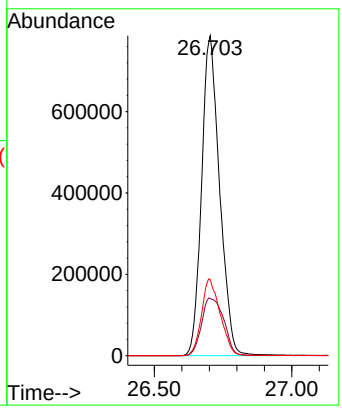


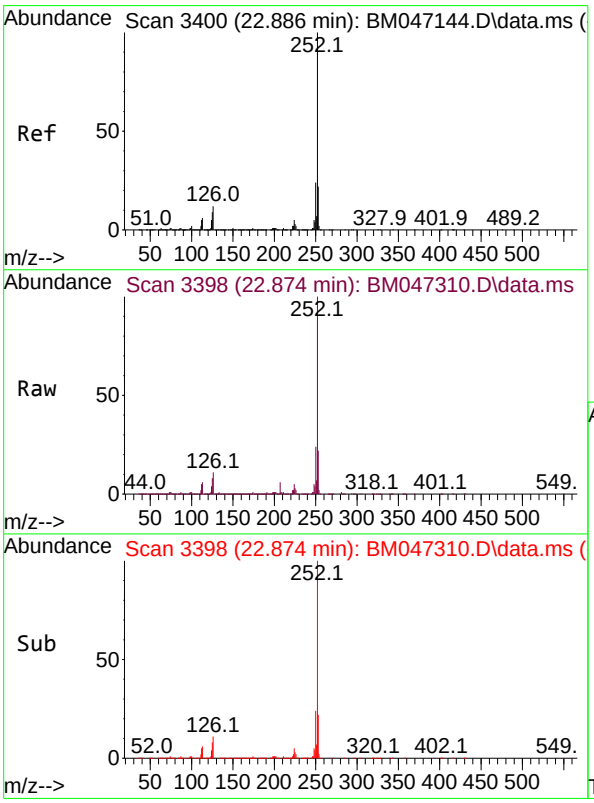
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.514 ng
RT: 26.703 min Scan# 4
Delta R.T. -0.024 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:276 Resp: 3579535

Ion	Ratio	Lower	Upper
276	100		
138	22.1	19.4	29.0
277	24.8	20.1	30.1

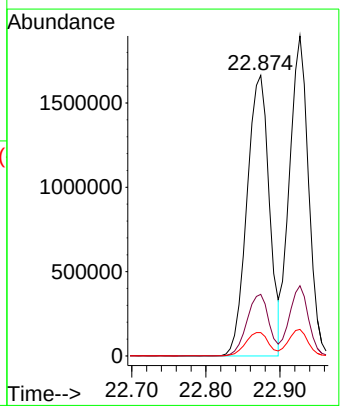


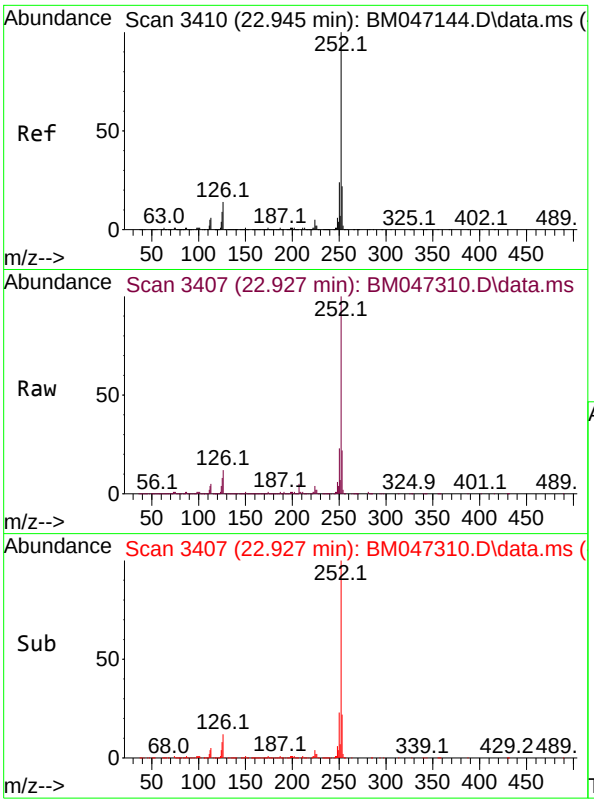


#88
Benzo(b)fluoranthene
Concen: 46.129 ng
RT: 22.874 min Scan# 3398
Delta R.T. -0.012 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:252 Resp: 3486325

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	8.3	7.4	11.0



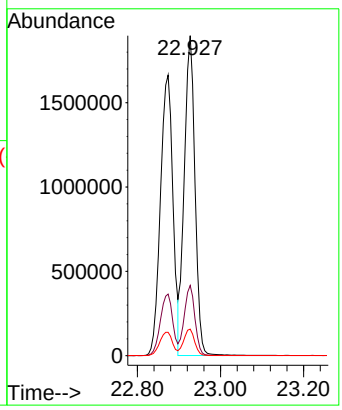


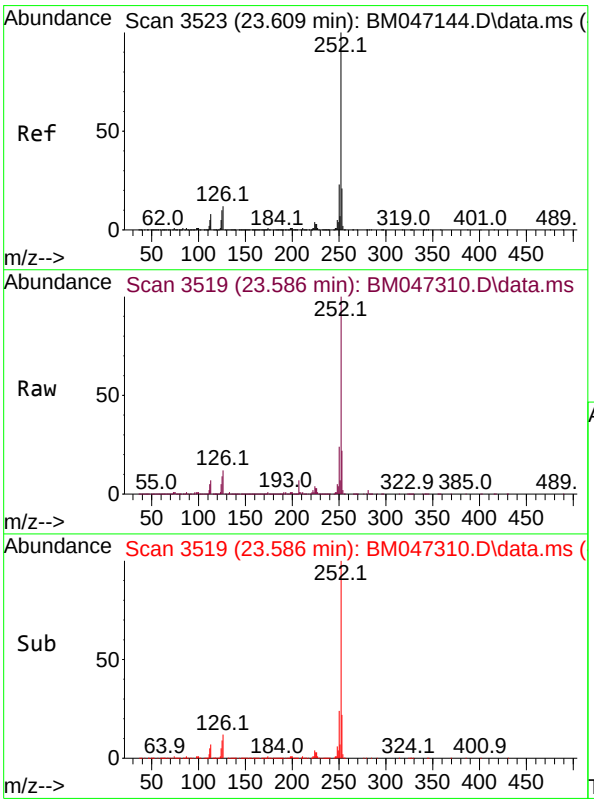
#89
Benzo(k)fluoranthene
Concen: 47.610 ng
RT: 22.927 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:252 Resp: 3398739

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	8.3	7.4	11.2

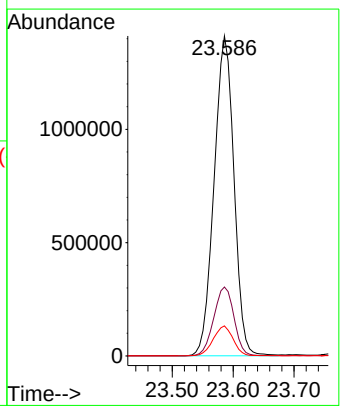


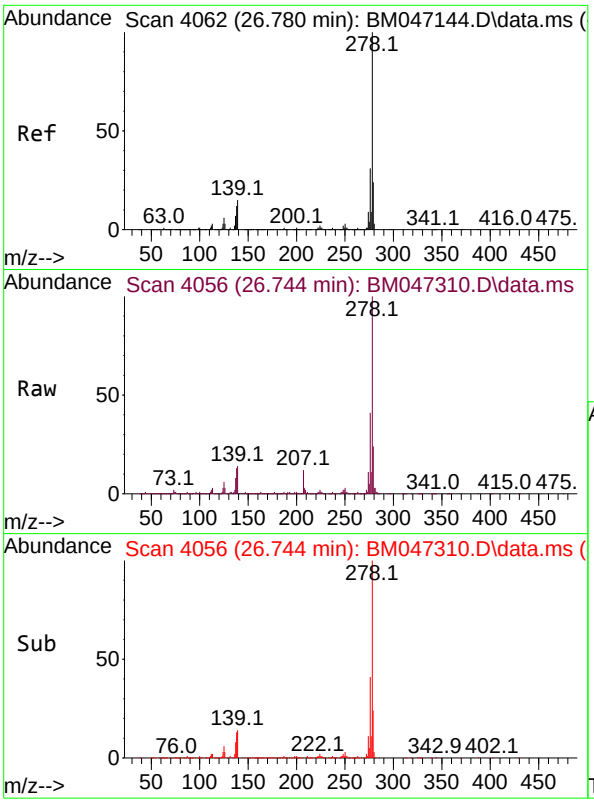


#90
Benzo(a)pyrene
Concen: 48.873 ng
RT: 23.586 min Scan# 3519
Delta R.T. -0.024 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:252 Resp: 3199740

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	9.4	8.2	12.2



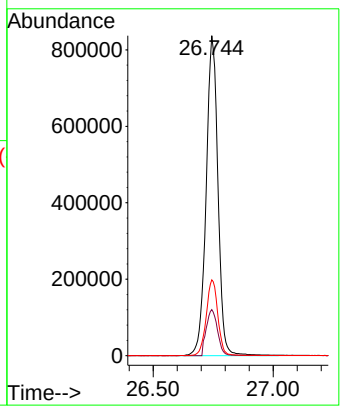


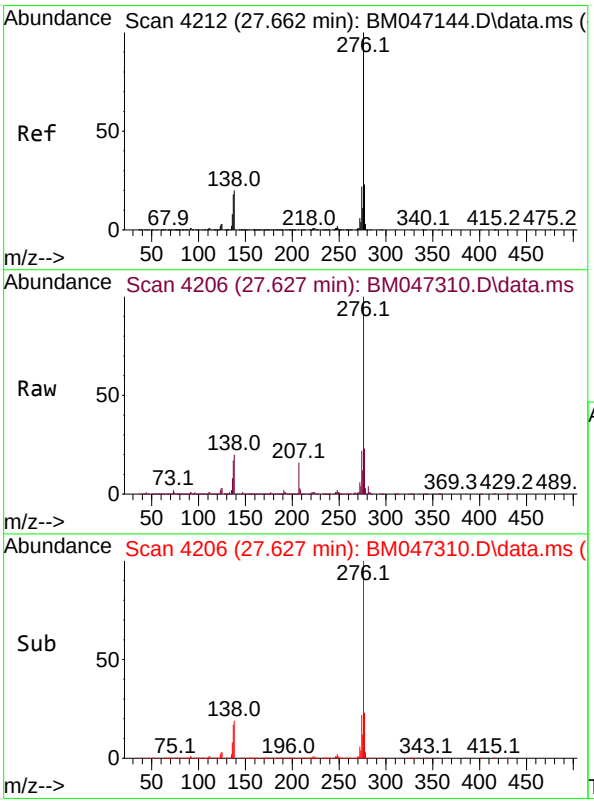
#91
Dibenzo(a,h)anthracene
Concen: 42.963 ng
RT: 26.744 min Scan# 4
Delta R.T. -0.035 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Instrument :
BNA_M
ClientSampleId :
PB162876BS

Tgt Ion:278 Resp: 2860173

Ion	Ratio	Lower	Upper
278	100		
139	14.4	12.0	18.0
279	23.7	19.2	28.8

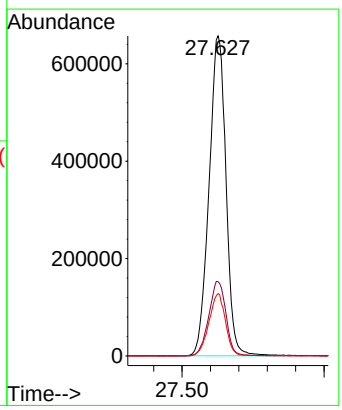




#92
Benzo(g,h,i)perylene
Concen: 39.346 ng
RT: 27.627 min Scan# 4206
Delta R.T. -0.035 min
Lab File: BM047310.D
Acq: 22 Aug 2024 10:33

Tgt Ion:276 Resp: 2719535

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.8	28.2
138	19.5	16.2	24.4



Raw Data: **BM047318.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-928-K1-SO-0.5-1-081924MS	SDG No.:	P3671
Lab Sample ID:	P3671-10MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047318.D	1	08/21/24 08:50	08/22/24 15:50	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	2000		140	300	ug/Kg
100-52-7	Benzaldehyde	1700		320	580	ug/Kg
95-48-7	2-Methylphenol	2700		140	300	ug/Kg
65794-96-9	3+4-Methylphenols	2700		140	580	ug/Kg
67-72-1	Hexachloroethane	2500		140	300	ug/Kg
98-95-3	Nitrobenzene	2500		160	300	ug/Kg
91-20-3	Naphthalene	2600		140	300	ug/Kg
87-68-3	Hexachlorobutadiene	2900		150	300	ug/Kg
91-57-6	2-Methylnaphthalene	2700		140	300	ug/Kg
88-06-2	2,4,6-Trichlorophenol	3000		120	300	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2900		130	300	ug/Kg
208-96-8	Acenaphthylene	2800		150	300	ug/Kg
83-32-9	Acenaphthene	2700		140	300	ug/Kg
132-64-9	Dibenzofuran	2700		150	300	ug/Kg
121-14-2	2,4-Dinitrotoluene	2600		150	300	ug/Kg
86-73-7	Fluorene	2600		150	300	ug/Kg
118-74-1	Hexachlorobenzene	2800		150	300	ug/Kg
87-86-5	Pentachlorophenol	5500	E	130	580	ug/Kg
85-01-8	Phenanthrene	2700		150	300	ug/Kg
120-12-7	Anthracene	2900		150	300	ug/Kg
86-74-8	Carbazole	2700		140	300	ug/Kg
84-74-2	Di-n-butylphthalate	2700		150	300	ug/Kg
206-44-0	Fluoranthene	2700		140	300	ug/Kg
129-00-0	Pyrene	2800		140	300	ug/Kg
56-55-3	Benzo(a)anthracene	2800		140	300	ug/Kg
218-01-9	Chrysene	2800		140	300	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	3000		160	300	ug/Kg
205-99-2	Benzo(b)fluoranthene	2800		140	300	ug/Kg
207-08-9	Benzo(k)fluoranthene	2900		140	300	ug/Kg

Raw Data: **BM047318.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-928-K1-SO-0.5-1-081924MS	SDG No.:	P3671
Lab Sample ID:	P3671-10MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047318.D	1	08/21/24 08:50	08/22/24 15:50	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
50-32-8	Benzo(a)pyrene	2900		160	300	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2600		140	300	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2500		140	300	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2300		140	300	ug/Kg
123-91-1	1,4-Dioxane	2200		190	300	ug/Kg
90-12-0	1-Methylnaphthalene	2500		150	300	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	90.6		30 (18) - 130 (112)	60%	SPK: 150
13127-88-3	Phenol-d6	87.3		30 (15) - 130 (107)	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	57.4		30 (18) - 130 (107)	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.6		30 (20) - 130 (109)	51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.6		30 (10) - 130 (116)	62%	SPK: 150
1718-51-0	Terphenyl-d14	56.3		30 (10) - 130 (105)	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	265000	7.352			
1146-65-2	Naphthalene-d8	1030000	10.11			
15067-26-2	Acenaphthene-d10	688000	14.016			
1517-22-2	Phenanthrene-d10	1450000	16.78			
1719-03-5	Chrysene-d12	1250000	21.021			
1520-96-3	Perylene-d12	1330000	23.709			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047318.D
Acq On : 22 Aug 2024 15:50
Operator : RC/JU
Sample : P3671-10MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Quant Time: Aug 22 18:59:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.352	152	265473	20.000	ng	-0.02
21) Naphthalene-d8	10.110	136	1026742	20.000	ng	-0.02
39) Acenaphthene-d10	14.016	164	688419	20.000	ng	-0.02
64) Phenanthrene-d10	16.780	188	1449373	20.000	ng	-0.01
76) Chrysene-d12	21.021	240	1253561	20.000	ng	-0.01
86) Perylene-d12	23.709	264	1332024	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.011	112	1346124	90.605	ng	-0.01
7) Phenol-d6	6.575	99	1788211	87.350	ng	-0.01
23) Nitrobenzene-d5	8.499	82	1169440	57.351	ng	-0.02
42) 2,4,6-Tribromophenol	15.528	330	739558	92.649	ng	-0.01
45) 2-Fluorobiphenyl	12.622	172	2260203	50.644	ng	-0.02
79) Terphenyl-d14	19.445	244	3295249	56.327	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.022	88	233232	37.888	ng	96
3) Pyridine	3.393	79	622866	34.505	ng	97
4) n-Nitrosodimethylamine	3.317	42	305535	38.741	ng	98
6) Aniline	6.705	93	699600	36.156	ng	98
8) 2-Chlorophenol	6.928	128	788544	48.663	ng	99
9) Benzaldehyde	6.516	77	349190	29.252	ng	99
10) Phenol	6.599	94	931496	45.600	ng	98
11) bis(2-Chloroethyl)ether	6.805	93	740454	42.328	ng	97
12) 1,3-Dichlorobenzene	7.240	146	845486	43.908	ng	98
13) 1,4-Dichlorobenzene	7.387	146	854172	43.812	ng	98
14) 1,2-Dichlorobenzene	7.693	146	823251	44.753	ng	99
15) Benzyl Alcohol	7.610	79	712702	48.916	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.875	45	940959	41.918	ng	98
17) 2-Methylphenol	7.816	107	638106	46.823	ng	98
18) Hexachloroethane	8.399	117	324983	43.033	ng	94
19) n-Nitroso-di-n-propyla...	8.163	70	565940	41.041	ng	99
20) 3+4-Methylphenols	8.146	107	875914	45.975	ng	99
22) Acetophenone	8.175	105	1074602	43.359	ng	99
24) Nitrobenzene	8.546	77	870876	42.415	ng	97
25) Isophorone	9.069	82	1614986	45.488	ng	98
26) 2-Nitrophenol	9.240	139	450626	49.557	ng	97
27) 2,4-Dimethylphenol	9.322	122	641829	60.257	ng	100
28) bis(2-Chloroethoxy)met...	9.551	93	1007422	45.095	ng	100
29) 2,4-Dichlorophenol	9.781	162	825234	52.216	ng	98
30) 1,2,4-Trichlorobenzene	9.975	180	830403	46.429	ng	99
31) Naphthalene	10.157	128	2282387	44.623	ng	99
32) Benzoic acid	9.522	122	567943	45.894	ng	97
33) 4-Chloroaniline	10.287	127	435065	22.119	ng	99
34) Hexachlorobutadiene	10.440	225	520589	49.729	ng	99
35) Caprolactam	11.104	113	258816	47.156	ng	89
36) 4-Chloro-3-methylphenol	11.440	107	808997	48.064	ng	99
37) 2-Methylnaphthalene	11.781	142	1680180	46.136	ng	99
38) 1-Methylnaphthalene	12.010	142	1575086	43.762	ng	98
40) 1,2,4,5-Tetrachloroben...	12.169	216	930966	49.580	ng	99
41) Hexachlorocyclopentadiene	12.140	237	1055048	160.912	ng	98
43) 2,4,6-Trichlorophenol	12.428	196	691662	51.825	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047318.D
Acq On : 22 Aug 2024 15:50
Operator : RC/JU
Sample : P3671-10MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Quant Time: Aug 22 18:59:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

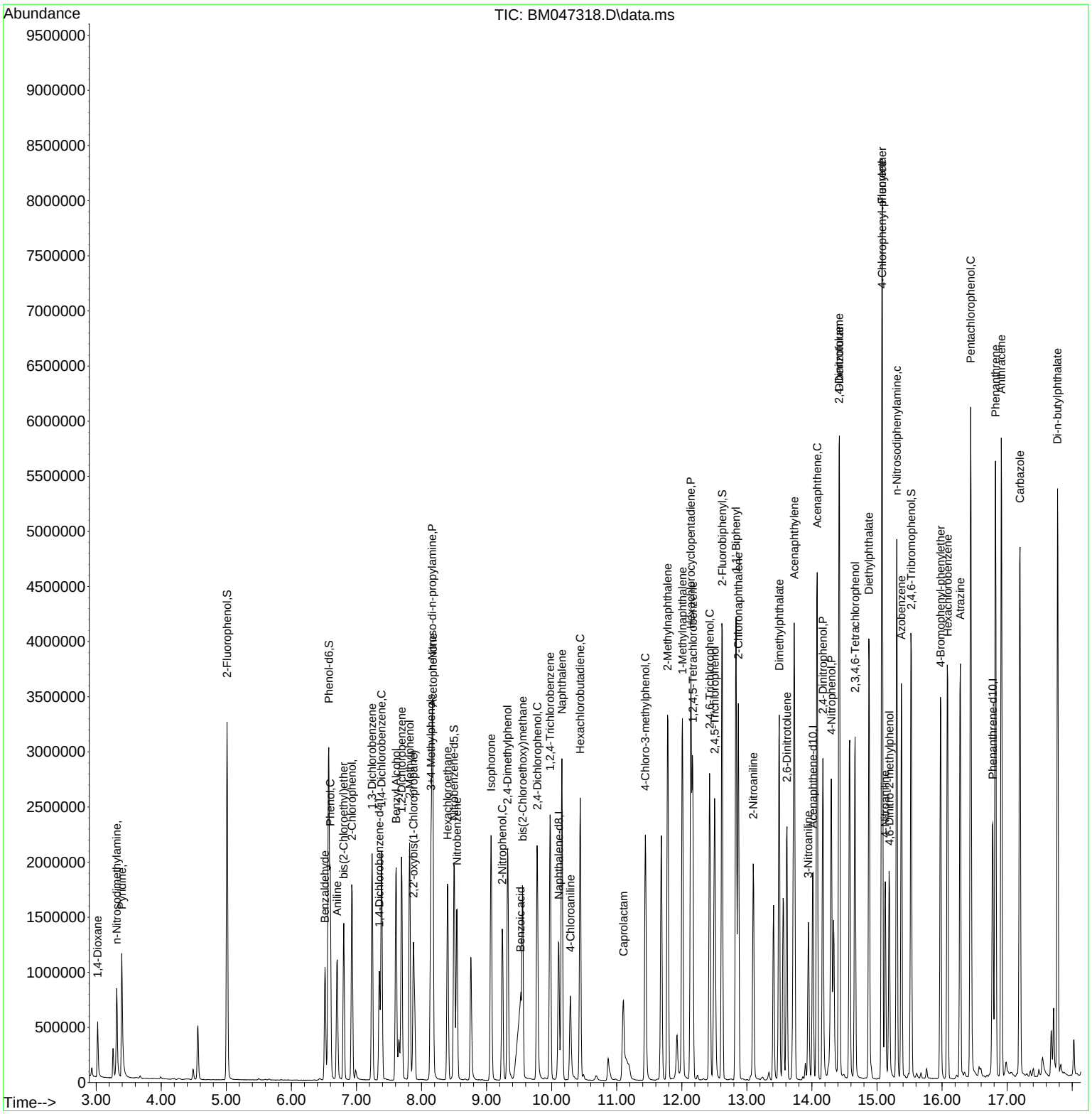
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.504	196	738009	49.804	ng		98
46) 1,1'-Biphenyl	12.834	154	2192671	44.740	ng		98
47) 2-Chloronaphthalene	12.869	162	1700598	44.395	ng		99
48) 2-Nitroaniline	13.098	65	542259	45.186	ng		99
49) Acenaphthylene	13.728	152	2746810	48.647	ng		99
50) Dimethylphthalate	13.498	163	2265127	47.112	ng		100
51) 2,6-Dinitrotoluene	13.616	165	512257	45.577	ng		89
52) Acenaphthene	14.081	154	1655829	46.230	ng		99
53) 3-Nitroaniline	13.945	138	378147	33.576	ng		99
54) 2,4-Dinitrophenol	14.169	184	704727	104.617	ng		92
55) Dibenzofuran	14.422	168	2622668	46.357	ng		97
56) 4-Nitrophenol	14.298	139	865999	89.173	ng		98
57) 2,4-Dinitrotoluene	14.416	165	683585	45.567	ng		97
58) Fluorene	15.075	166	2122093	45.460	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.663	232	633732	52.037	ng		95
60) Diethylphthalate	14.875	149	2238721	45.597	ng		99
61) 4-Chlorophenyl-phenyle...	15.080	204	1059439	47.672	ng		95
62) 4-Nitroaniline	15.128	138	480474	43.305	ng		96
63) Azobenzene	15.375	77	2019405	43.379	ng		96
65) 4,6-Dinitro-2-methylph...	15.192	198	442460	52.141	ng		85
66) n-Nitrosodiphenylamine	15.304	169	1871520	47.407	ng		100
67) 4-Bromophenyl-phenylether	15.980	248	697565	49.946	ng		96
68) Hexachlorobenzene	16.086	284	800582	47.862	ng		95
69) Atrazine	16.280	200	734557	61.834	ng		99
70) Pentachlorophenol	16.439	266	1105763	94.306	ng		98
71) Phenanthrene	16.822	178	3434310	47.215	ng		100
72) Anthracene	16.910	178	3505828	49.535	ng		100
73) Carbazole	17.198	167	3296660	45.620	ng		100
74) Di-n-butylphthalate	17.774	149	3973956	47.262	ng		99
75) Fluoranthene	18.857	202	4150827	46.916	ng		99
77) Benzidine	19.063	184	2159384	101.578	ng		100
78) Pyrene	19.221	202	4358812	48.698	ng		99
80) Butylbenzylphthalate	20.163	149	1886712	51.651	ng		93
81) Benzo(a)anthracene	21.004	228	4017187	48.273	ng		99
82) 3,3'-Dichlorobenzidine	20.945	252	1040038	39.944	ng		100
83) Chrysene	21.062	228	3760179	47.624	ng		100
84) Bis(2-ethylhexyl)phtha...	20.962	149	2651474	51.184	ng	#	98
85) Di-n-octyl phthalate	21.986	149	4745110	53.891	ng		97
87) Indeno(1,2,3-cd)pyrene	26.703	276	3819760	44.365	ng		98
88) Benzo(b)fluoranthene	22.874	252	3778045	47.761	ng		99
89) Benzo(k)fluoranthene	22.927	252	3709462	49.647	ng		99
90) Benzo(a)pyrene	23.586	252	3466386	50.586	ng		98
91) Dibenzo(a,h)anthracene	26.750	278	3050435	43.779	ng		99
92) Benzo(g,h,i)perylene	27.627	276	2872464	39.706	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047318.D
Acq On : 22 Aug 2024 15:50
Operator : RC/JU
Sample : P3671-10MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

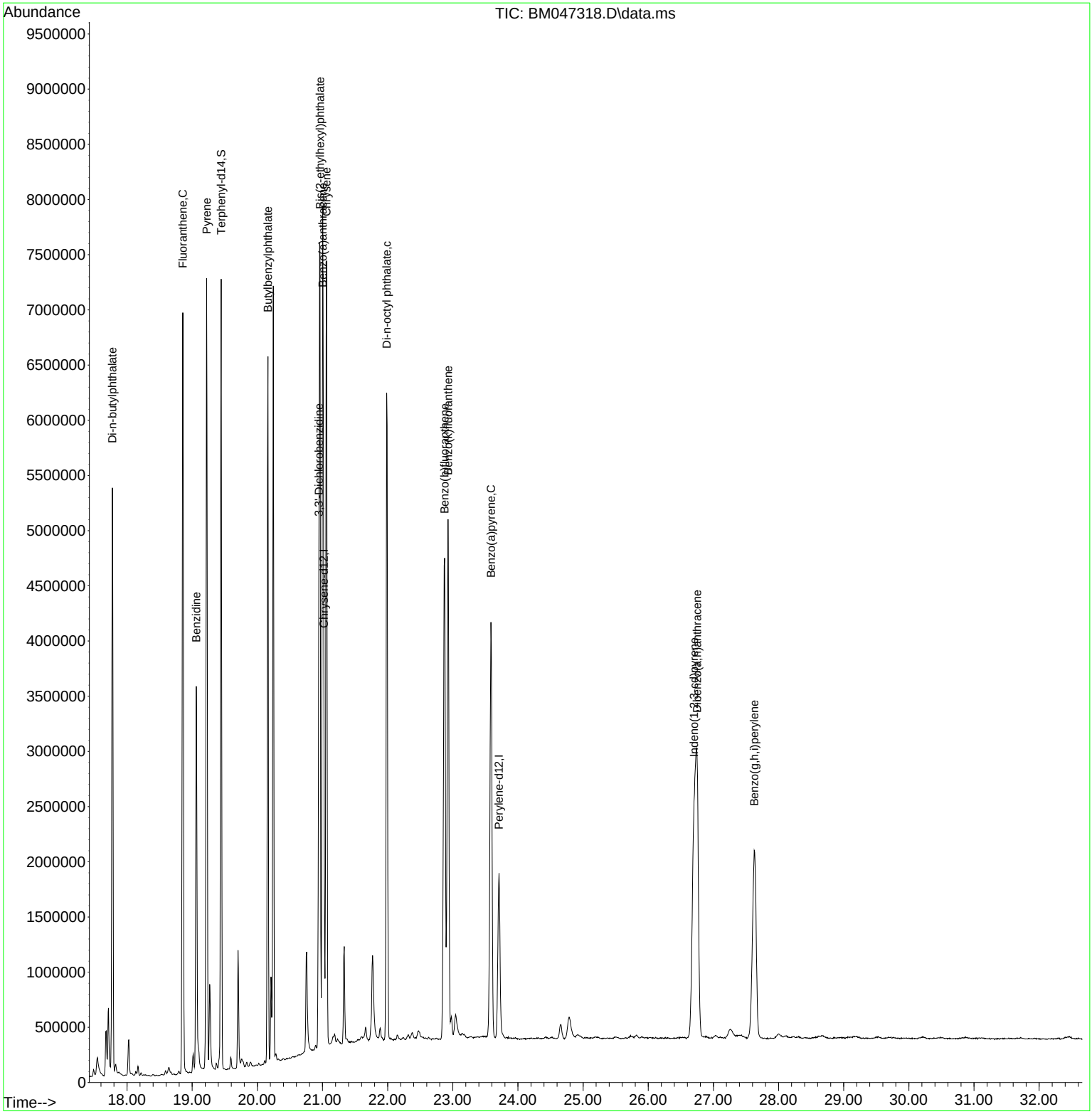
Quant Time: Aug 22 18:59:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

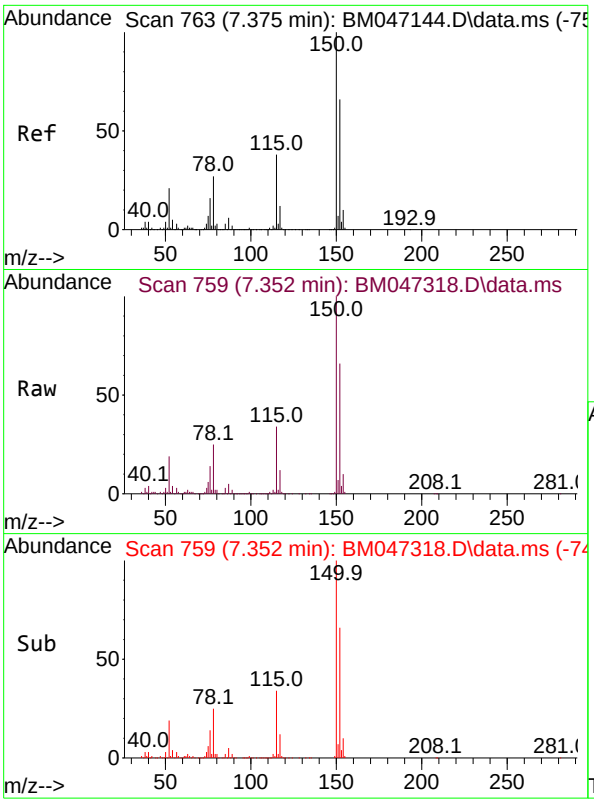


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047318.D
Acq On : 22 Aug 2024 15:50
Operator : RC/JU
Sample : P3671-10MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Quant Time: Aug 22 18:59:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration



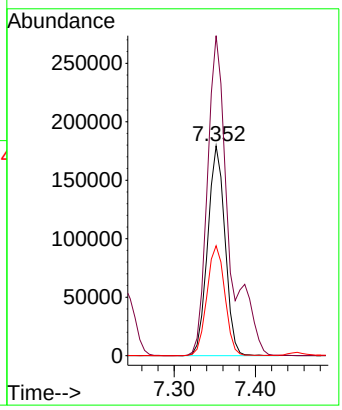


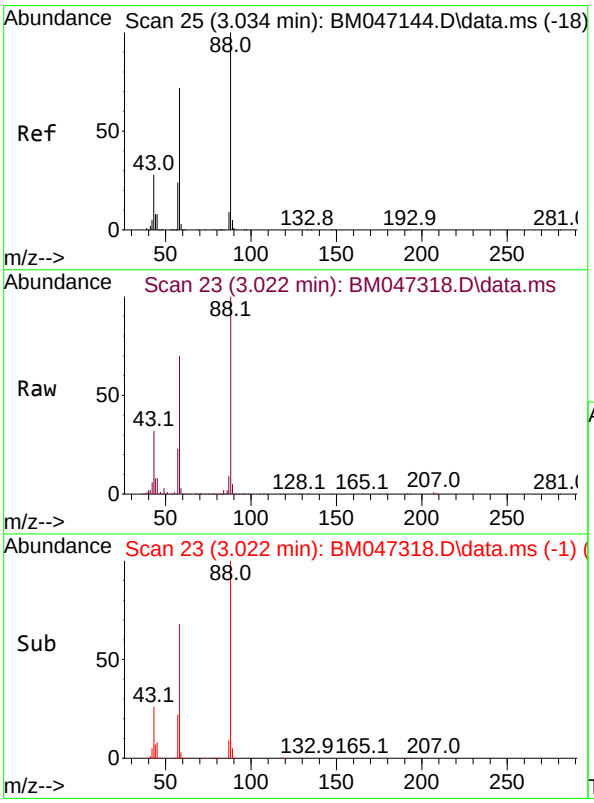
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.352 min Scan# 7
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:152 Resp: 265473

Ion	Ratio	Lower	Upper
152	100		
150	152.5	120.5	180.7
115	52.4	45.5	68.3

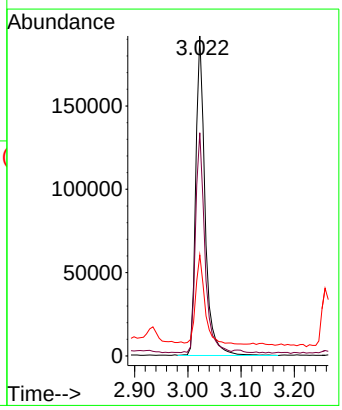


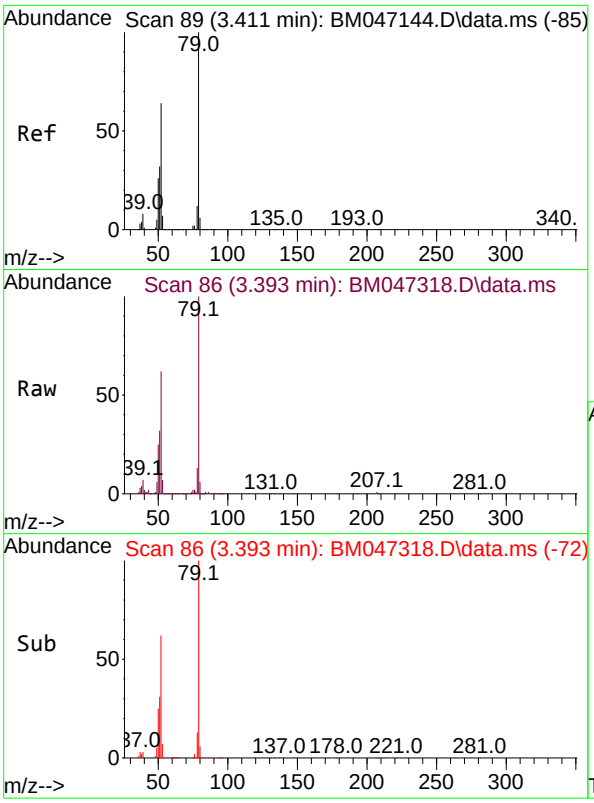


#2
1,4-Dioxane
Concen: 37.888 ng
RT: 3.022 min Scan# 23
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion: 88 Resp: 233232

Ion	Ratio	Lower	Upper
88	100		
58	68.8	58.2	87.4
43	27.6	22.5	33.7



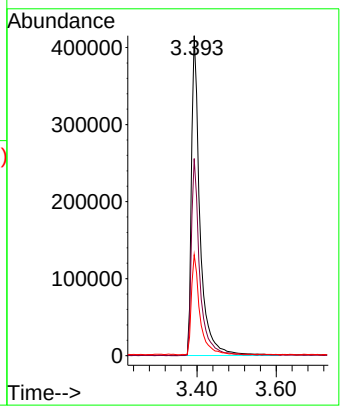


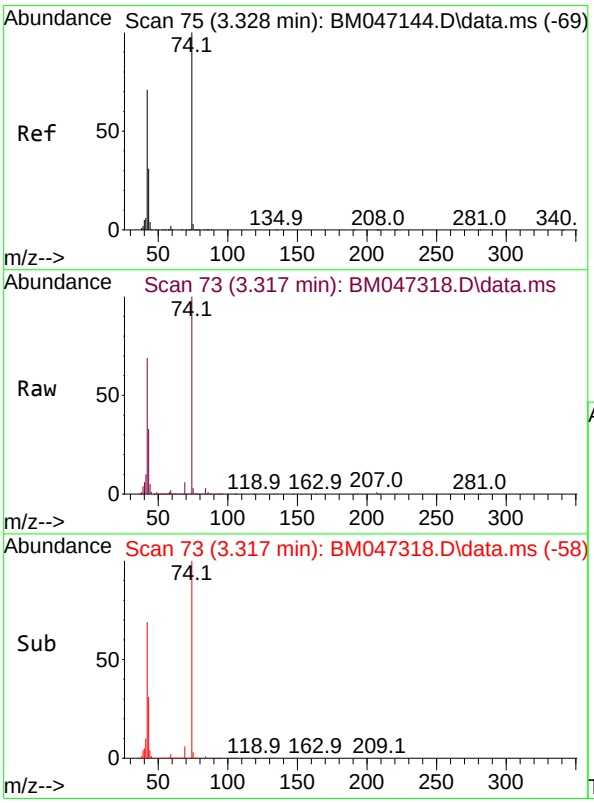
#3
Pyridine
Concen: 34.505 ng
RT: 3.393 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion: 79 Resp: 622866

Ion	Ratio	Lower	Upper
79	100		
52	61.6	51.2	76.8
51	31.5	26.1	39.1

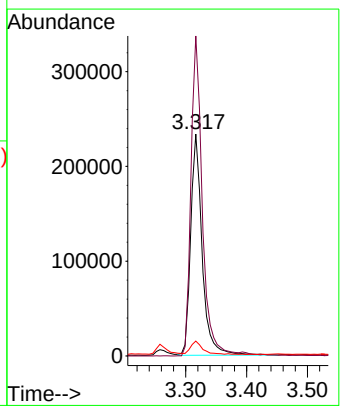


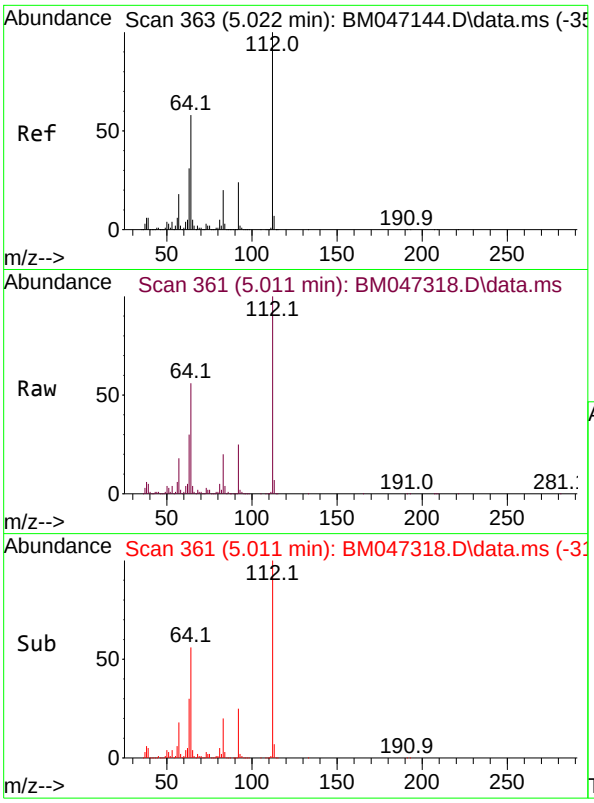


#4
n-Nitrosodimethylamine
Concen: 38.741 ng
RT: 3.317 min Scan# 73
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion: 42 Resp: 305535

Ion	Ratio	Lower	Upper
42	100		
74	144.2	112.9	169.3
44	6.7	5.3	7.9



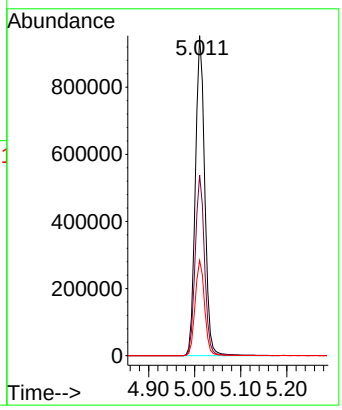


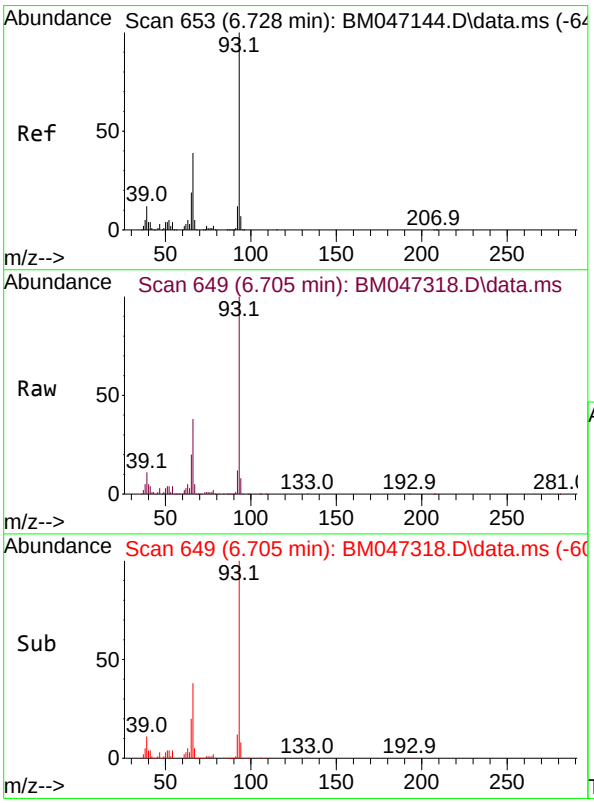
#5
2-Fluorophenol
Concen: 90.605 ng
RT: 5.011 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:112 Resp: 1346124

Ion	Ratio	Lower	Upper
112	100		
64	56.4	46.7	70.1
63	29.7	24.8	37.2

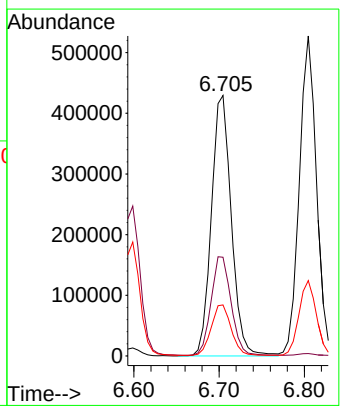


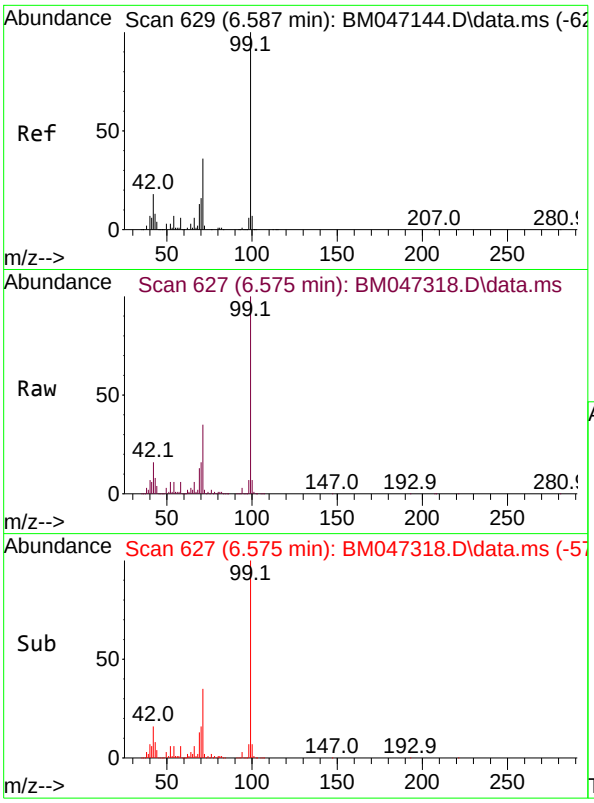


#6
Aniline
Concen: 36.156 ng
RT: 6.705 min Scan# 649
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion: 93 Resp: 699600

Ion	Ratio	Lower	Upper
93	100		
66	37.9	31.4	47.2
65	19.6	15.6	23.4



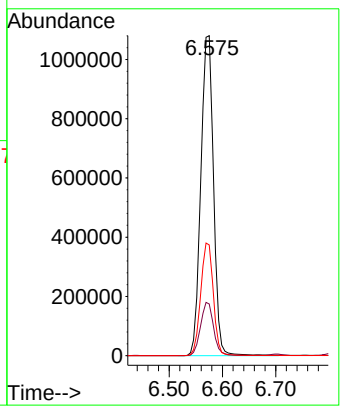


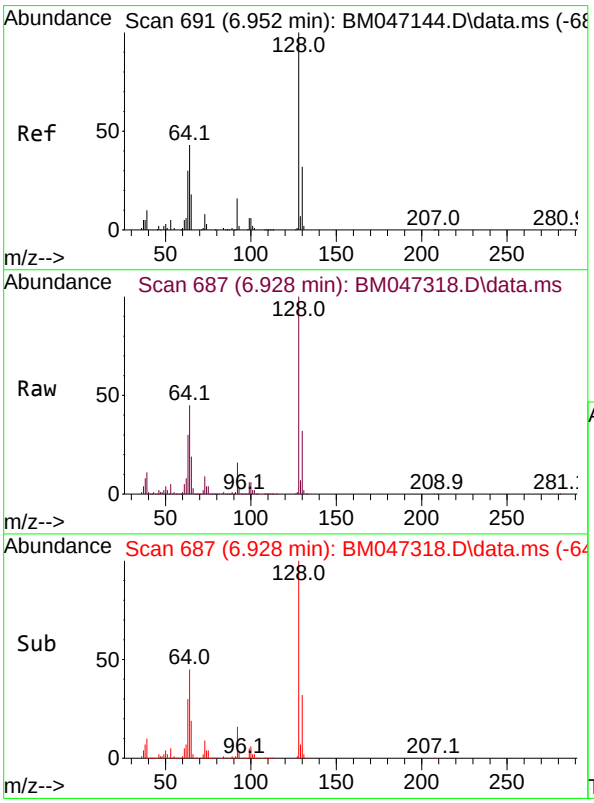
#7
Phenol-d6
Concen: 87.350 ng
RT: 6.575 min Scan# 6
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion: 99 Resp: 1788211

Ion	Ratio	Lower	Upper
99	100		
42	16.2	14.1	21.1
71	34.6	28.5	42.7

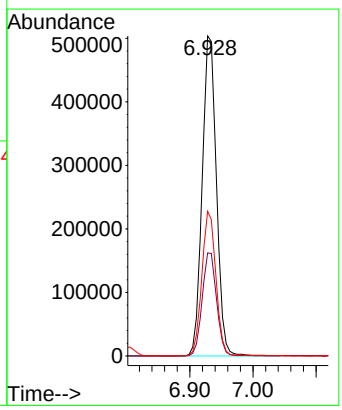


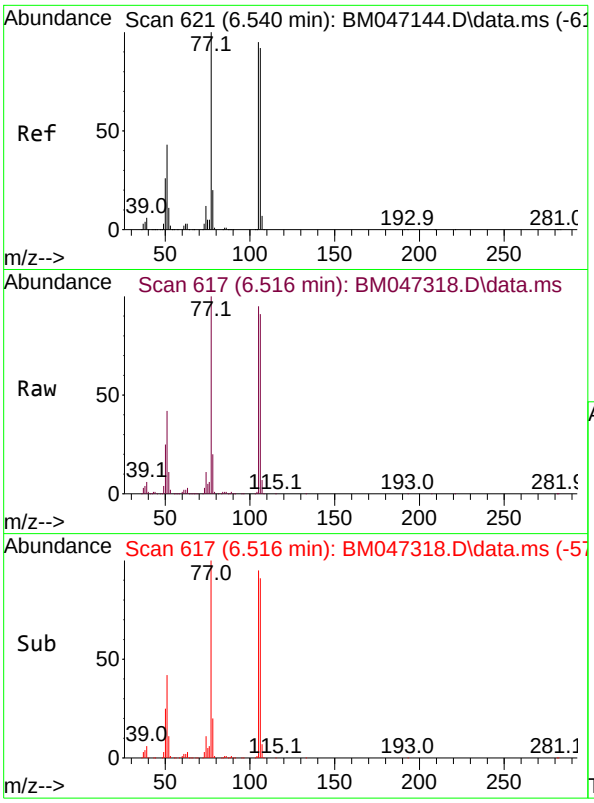


#8
2-Chlorophenol
Concen: 48.663 ng
RT: 6.928 min Scan# 687
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:128 Resp: 788544

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.1	52.1
64	45.2	26.6	66.6



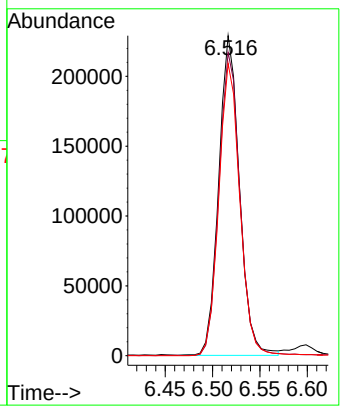


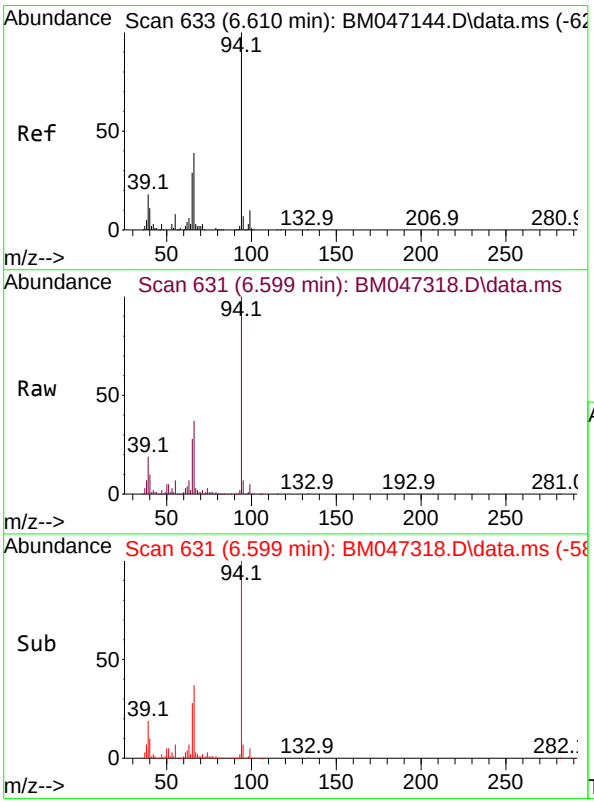
#9
Benzaldehyde
Concen: 29.252 ng
RT: 6.516 min Scan# 61
Delta R.T. -0.024 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion: 77 Resp: 349190

Ion	Ratio	Lower	Upper
77	100		
105	94.7	74.5	114.5
106	91.3	72.3	112.3

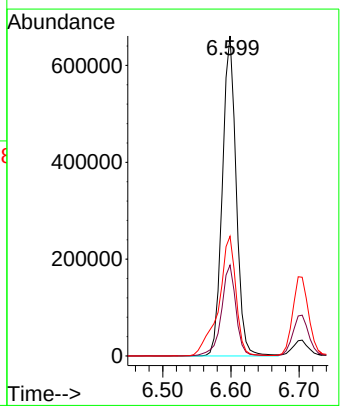


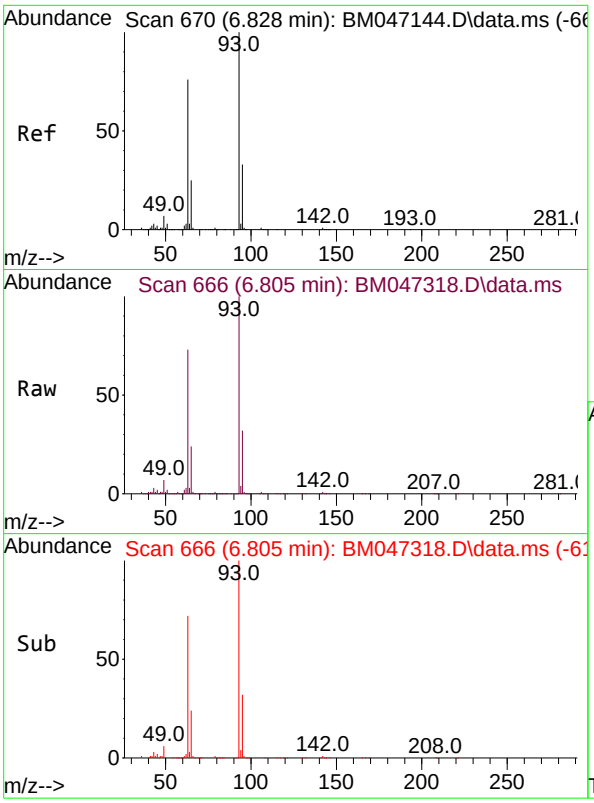


#10
Phenol
Concen: 45.600 ng
RT: 6.599 min Scan# 631
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion: 94 Resp: 931496

Ion	Ratio	Lower	Upper
94	100		
65	28.4	9.0	49.0
66	37.4	18.9	58.9



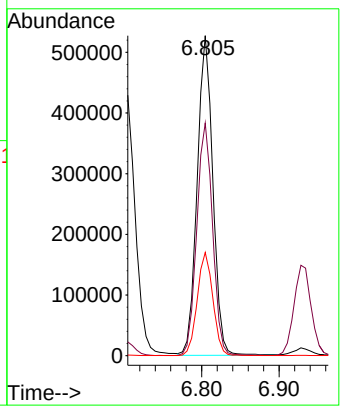


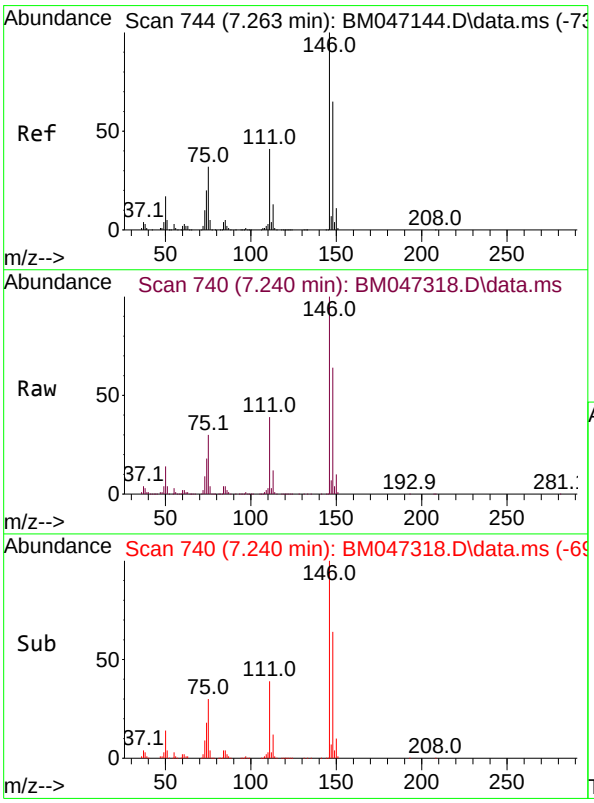
#11
bis(2-Chloroethyl)ether
Concen: 42.328 ng
RT: 6.805 min Scan# 6(
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion: 93 Resp: 740454

Ion	Ratio	Lower	Upper
93	100		
63	72.7	55.8	95.8
95	32.3	12.7	52.7

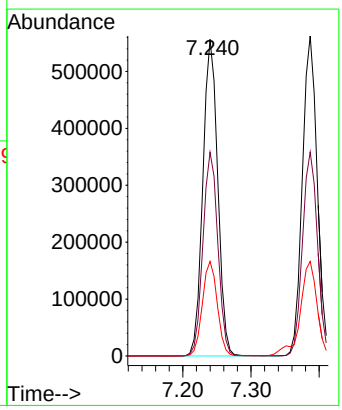


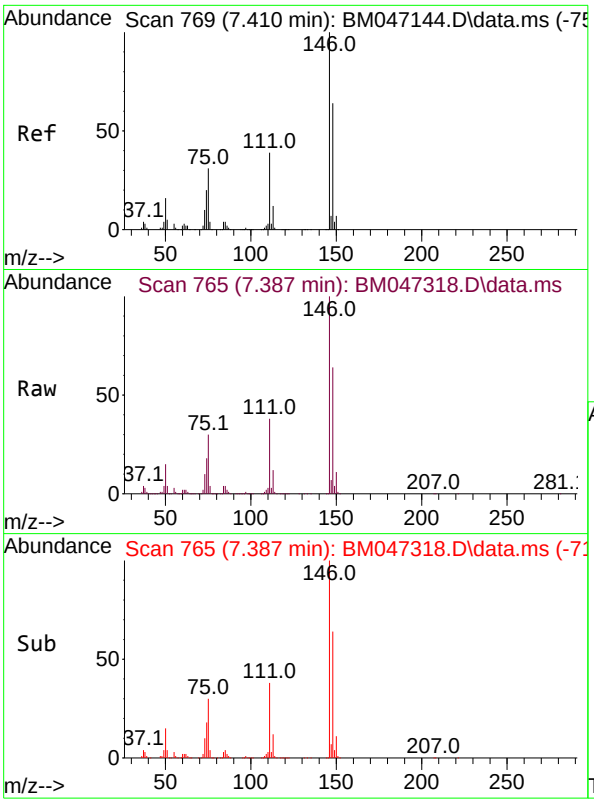


#12
1,3-Dichlorobenzene
Concen: 43.908 ng
RT: 7.240 min Scan# 740
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:146 Resp: 845486

Ion	Ratio	Lower	Upper
146	100		
148	64.3	52.3	78.5
75	29.9	25.8	38.6



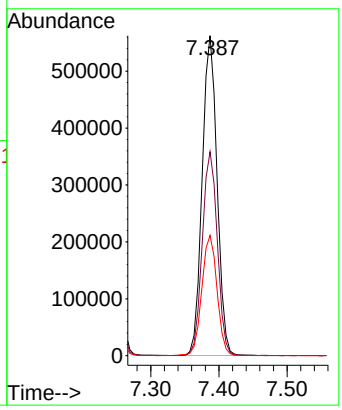


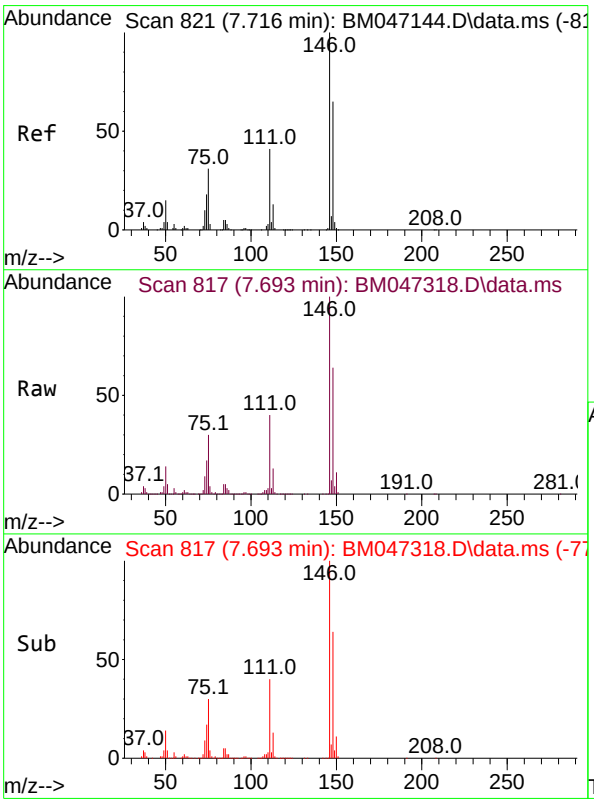
#13
1,4-Dichlorobenzene
Concen: 43.812 ng
RT: 7.387 min Scan# 7
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:146 Resp: 854172

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.2
111	37.6	31.5	47.3

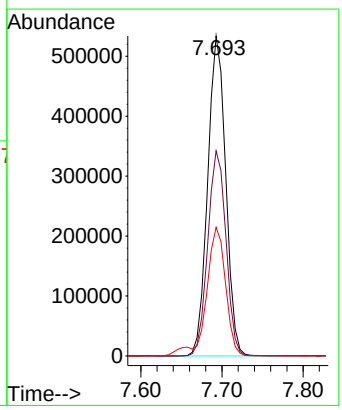


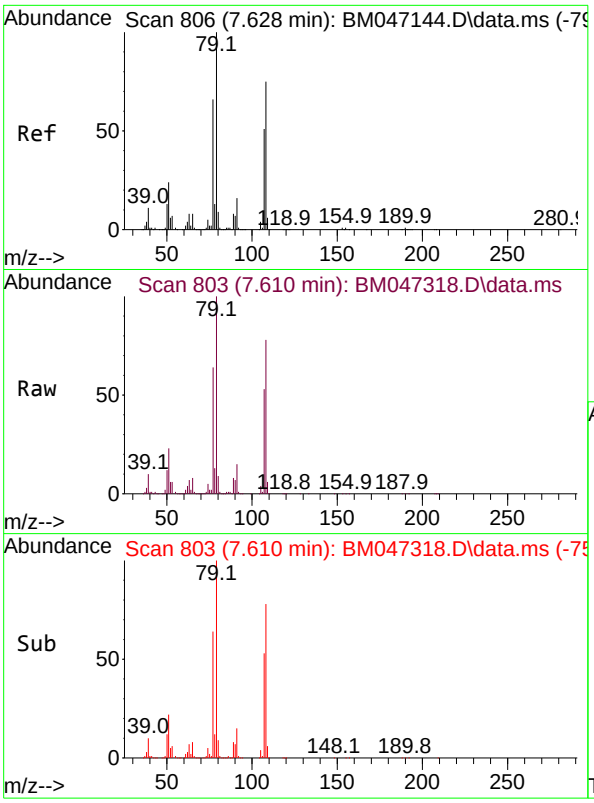


#14
1,2-Dichlorobenzene
Concen: 44.753 ng
RT: 7.693 min Scan# 817
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:146 Resp: 823251

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.8	77.8
111	40.2	33.3	49.9



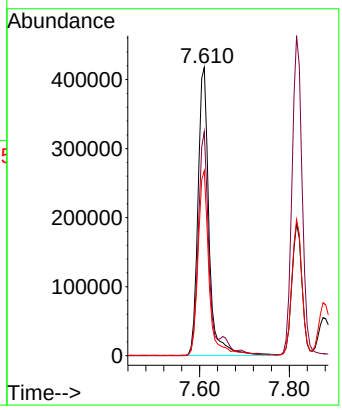


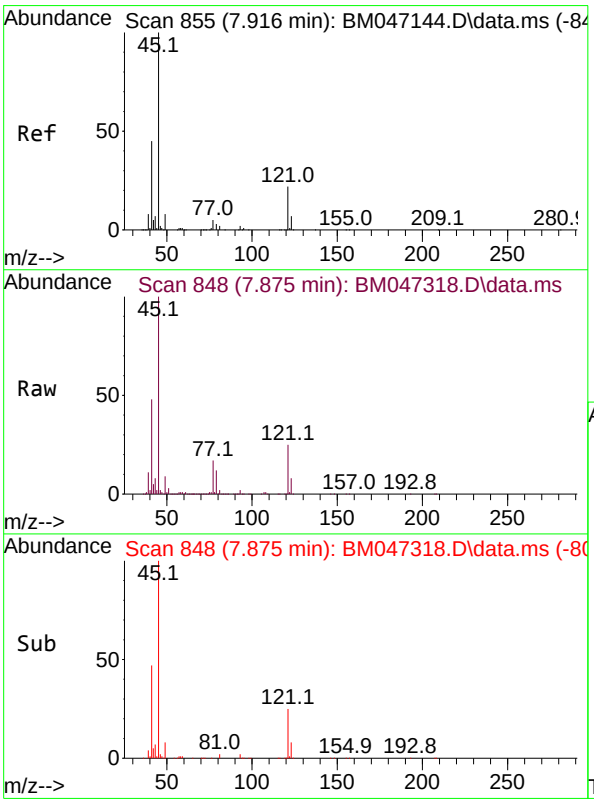
#15
Benzyl Alcohol
Concen: 48.916 ng
RT: 7.610 min Scan# 80
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion: 79 Resp: 712702

Ion	Ratio	Lower	Upper
79	100		
108	77.7	59.7	89.5
77	64.2	52.9	79.3

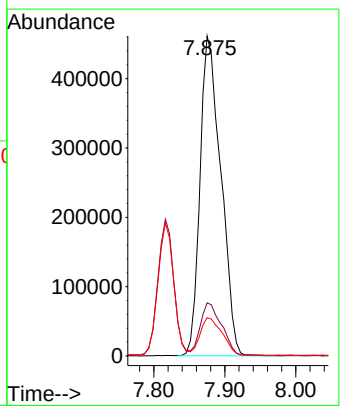


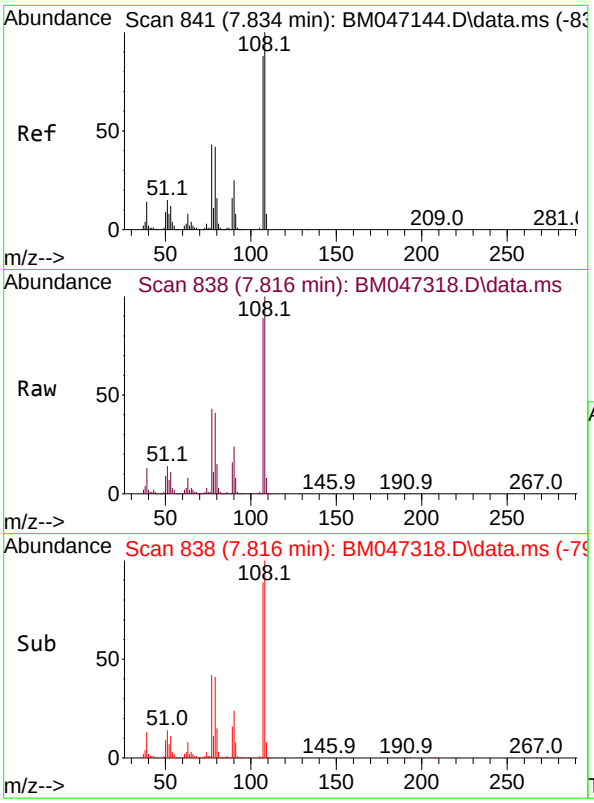


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.918 ng
RT: 7.875 min Scan# 848
Delta R.T. -0.041 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion: 45 Resp: 940959

Ion	Ratio	Lower	Upper
45	100		
77	16.6	0.0	35.6
79	12.0	0.0	32.4



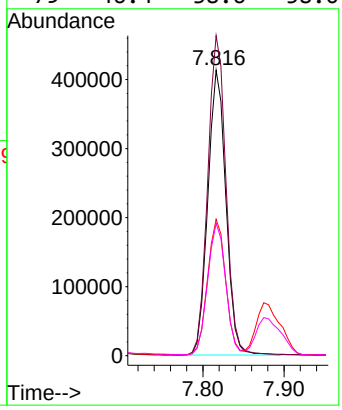


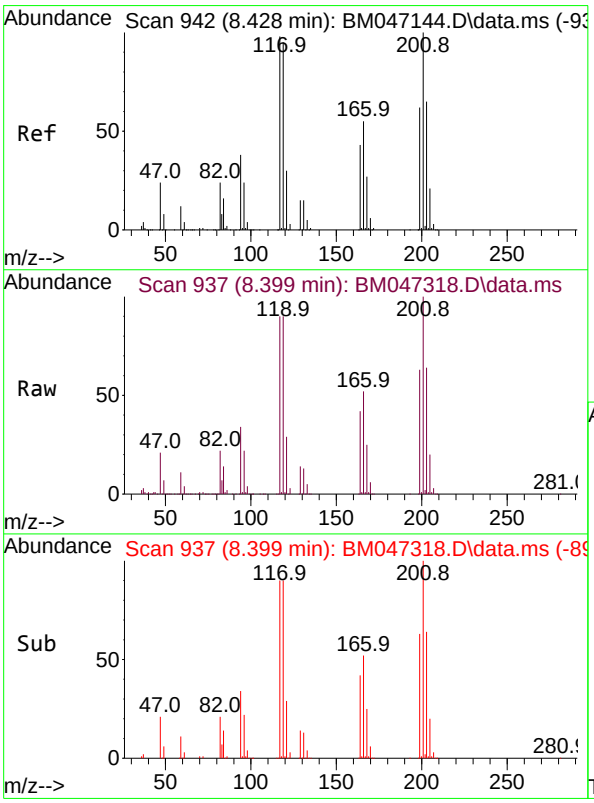
#17
2-Methylphenol
Concen: 46.823 ng
RT: 7.816 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:107 Resp: 638106

Ion	Ratio	Lower	Upper
107	100		
108	112.1	90.6	135.8
77	47.8	39.3	58.9
79	46.4	38.6	58.0

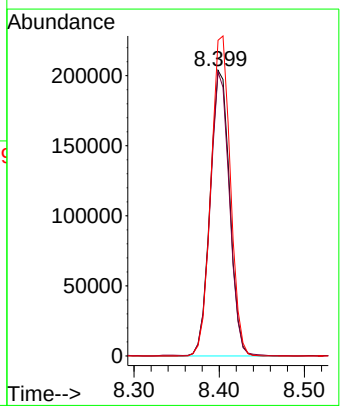


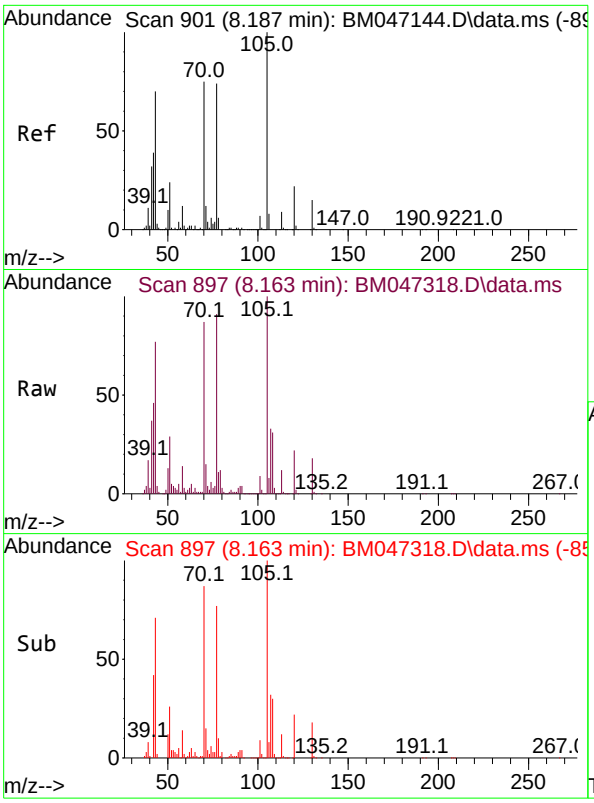


#18
Hexachloroethane
Concen: 43.033 ng
RT: 8.399 min Scan# 937
Delta R.T. -0.029 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:117 Resp: 324983

Ion	Ratio	Lower	Upper
117	100		
119	99.5	77.0	115.4
201	110.6	81.3	121.9



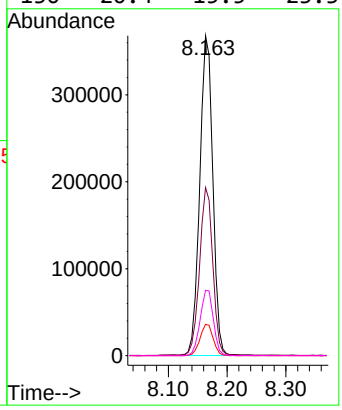


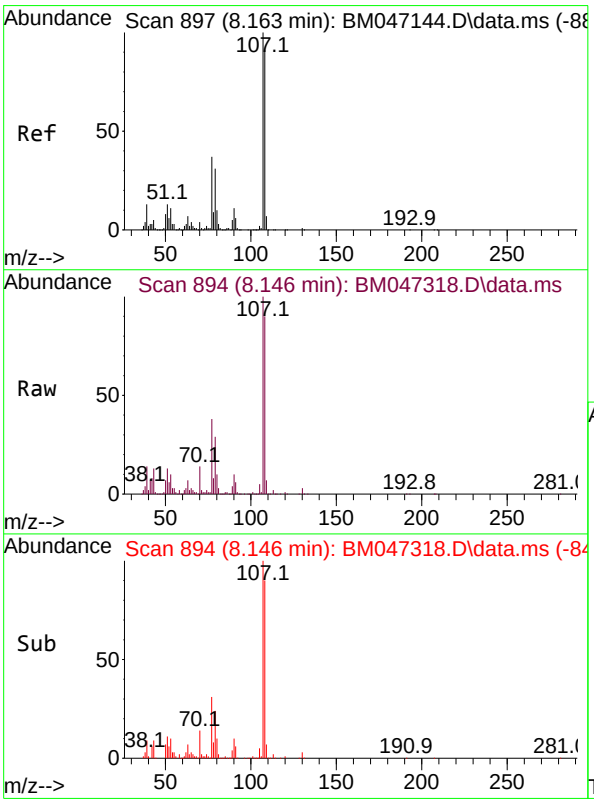
#19
n-Nitroso-di-n-propylamine
Concen: 41.041 ng
RT: 8.163 min Scan# 8
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion: 70 Resp: 565940

Ion	Ratio	Lower	Upper
70	100		
42	52.6	42.0	63.0
101	9.8	7.2	10.8
130	20.4	15.5	23.3

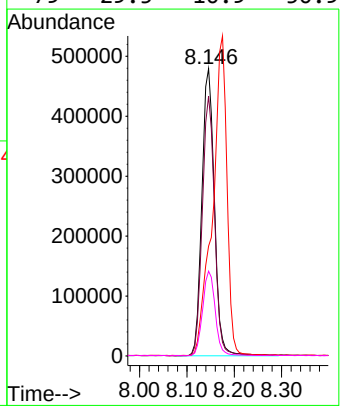


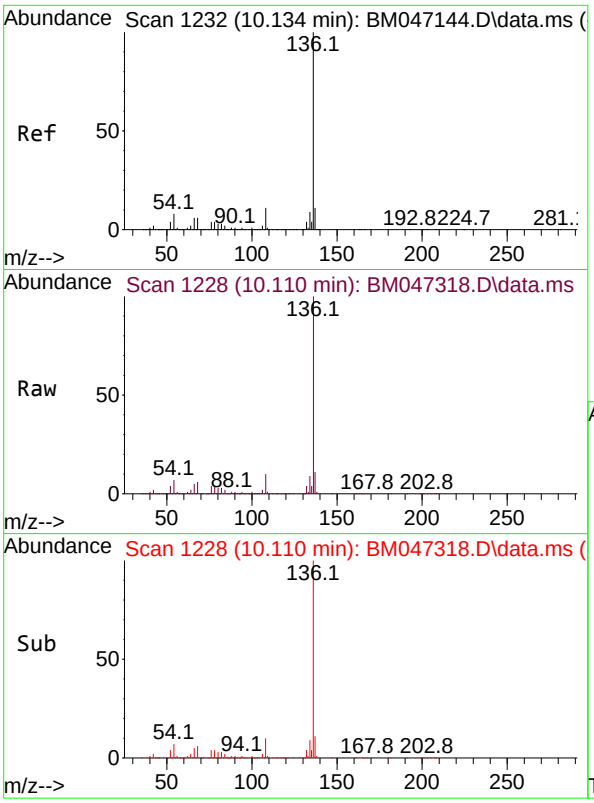


#20
3+4-Methylphenols
Concen: 45.975 ng
RT: 8.146 min Scan# 894
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:107 Resp: 875914

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.7	110.7
77	38.3	17.4	57.4
79	29.5	10.9	50.9



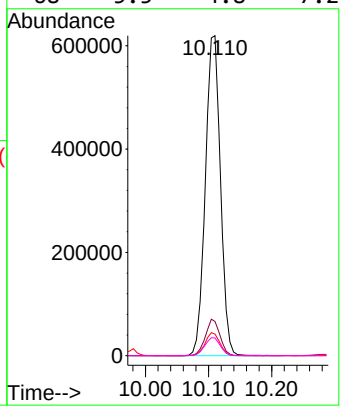


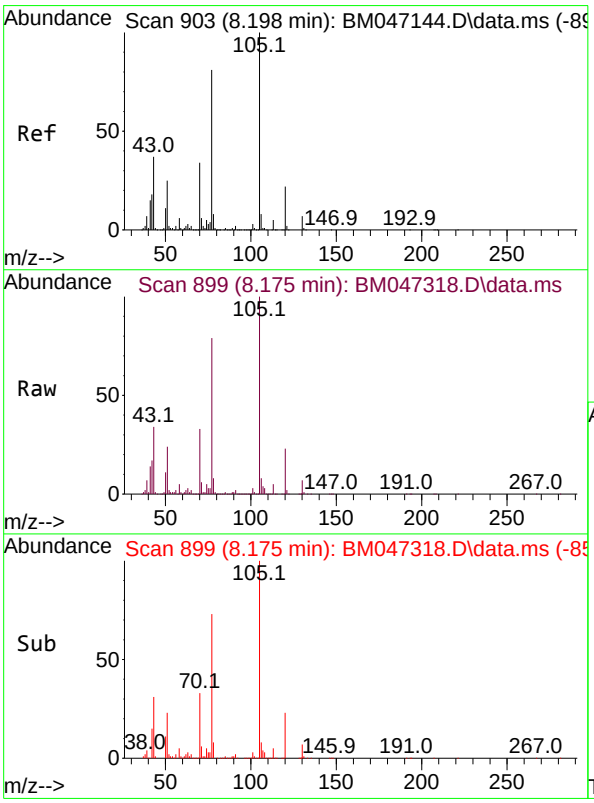
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:136 Resp: 1026742

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.7	6.0	9.0
68	5.5	4.8	7.2

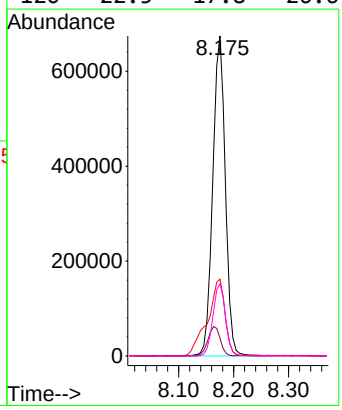


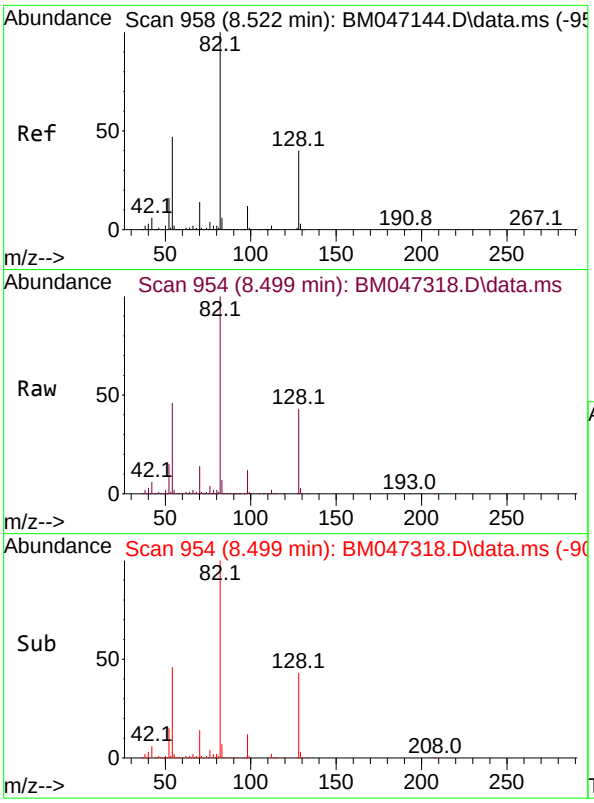


#22
Acetophenone
Concen: 43.359 ng
RT: 8.175 min Scan# 899
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:105 Resp: 1074602

Ion	Ratio	Lower	Upper
105	100		
71	5.6	4.5	6.7
51	24.0	20.1	30.1
120	22.5	17.8	26.6



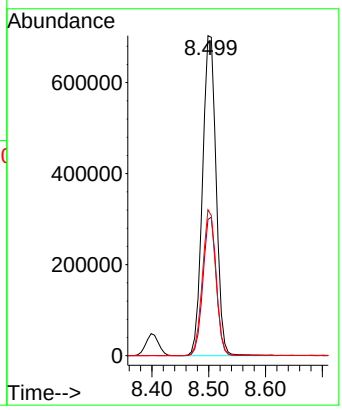


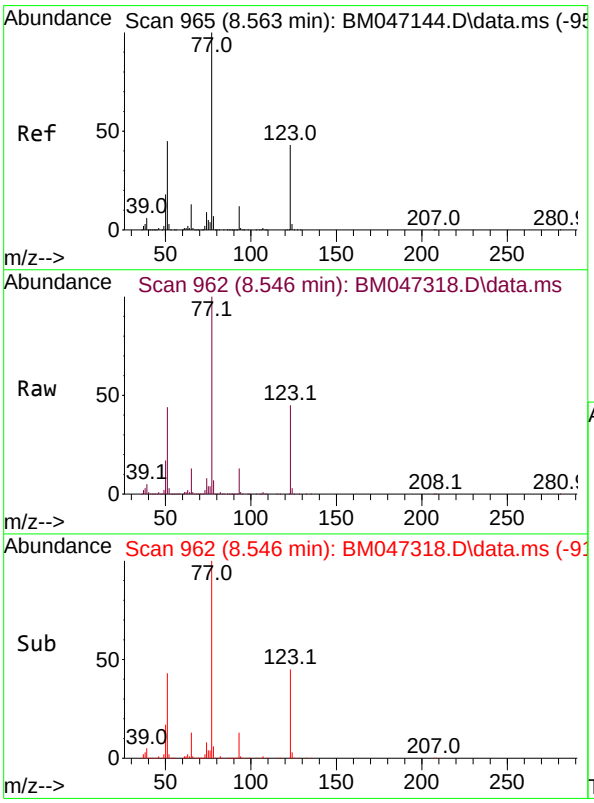
#23
Nitrobenzene-d5
Concen: 57.351 ng
RT: 8.499 min Scan# 9
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion: 82 Resp: 1169440

Ion	Ratio	Lower	Upper
82	100		
128	42.6	32.3	48.5
54	45.6	37.4	56.2

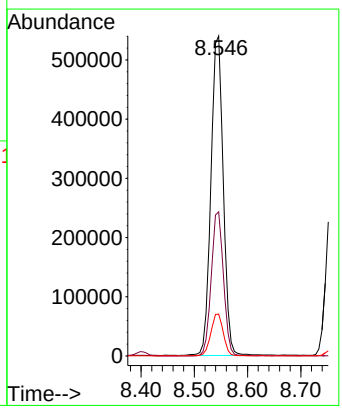


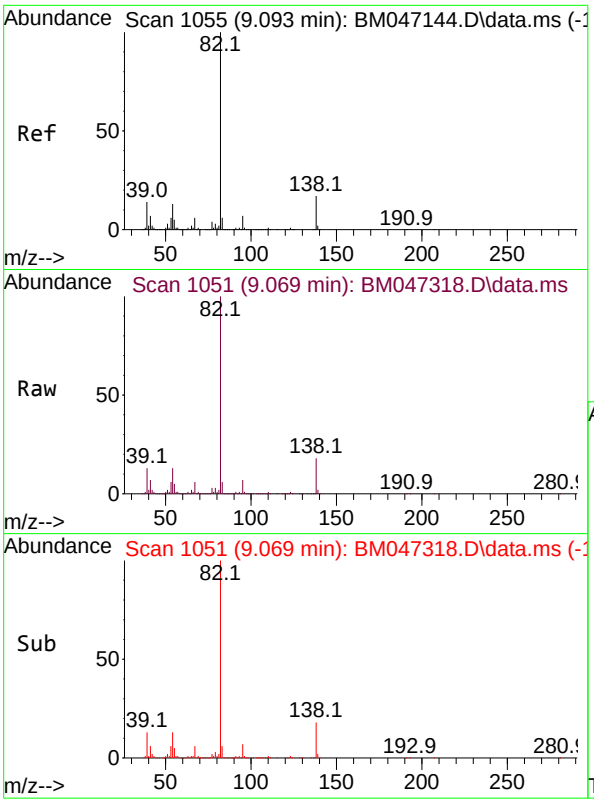


#24
Nitrobenzene
Concen: 42.415 ng
RT: 8.546 min Scan# 962
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion: 77 Resp: 870876

Ion	Ratio	Lower	Upper
77	100		
123	45.0	34.0	51.0
65	13.1	10.5	15.7



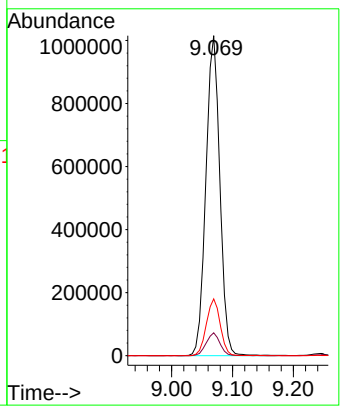


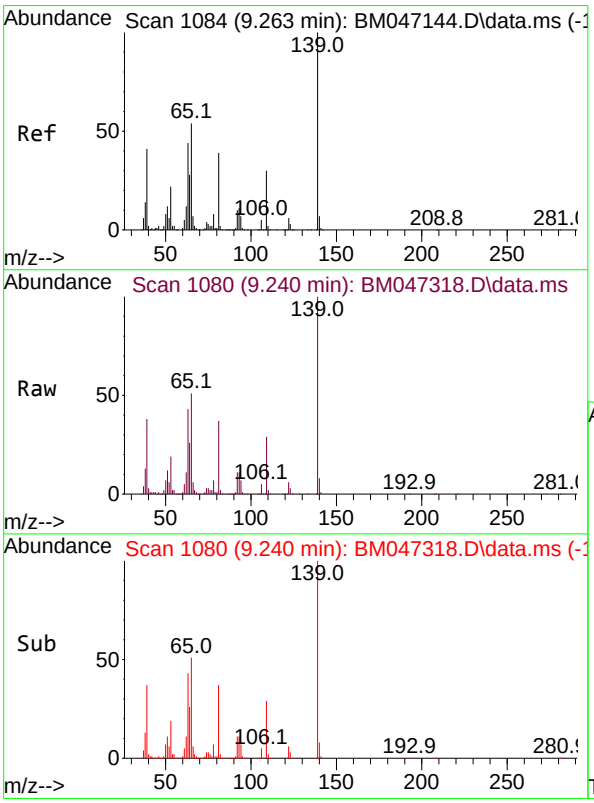
#25
Isophorone
Concen: 45.488 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion: 82 Resp: 1614986

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.5	8.3
138	17.8	13.5	20.3

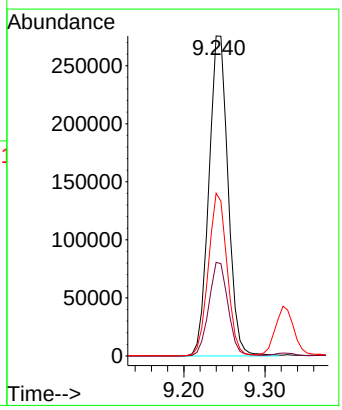


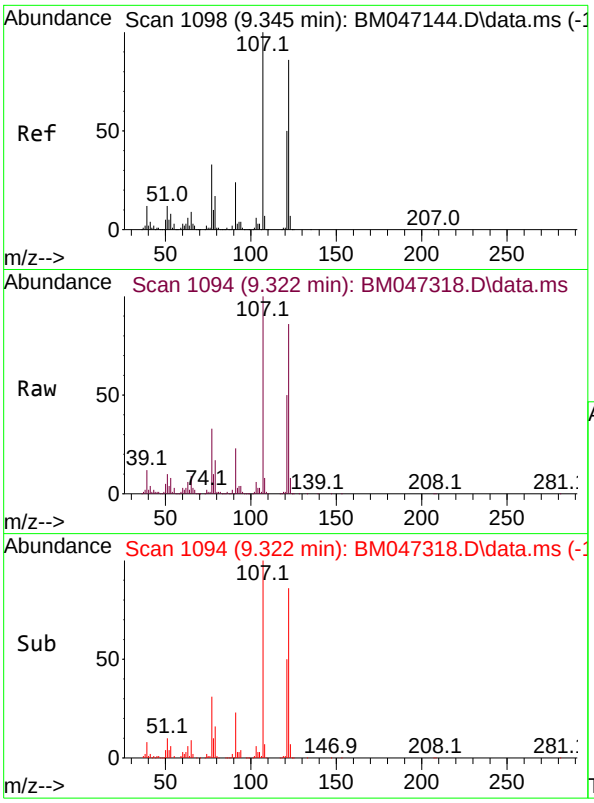


#26
2-Nitrophenol
Concen: 49.557 ng
RT: 9.240 min Scan# 1080
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:139 Resp: 450626

Ion	Ratio	Lower	Upper
139	100		
109	29.3	24.4	36.6
65	50.8	43.0	64.6



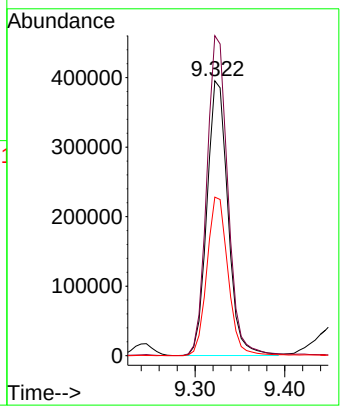


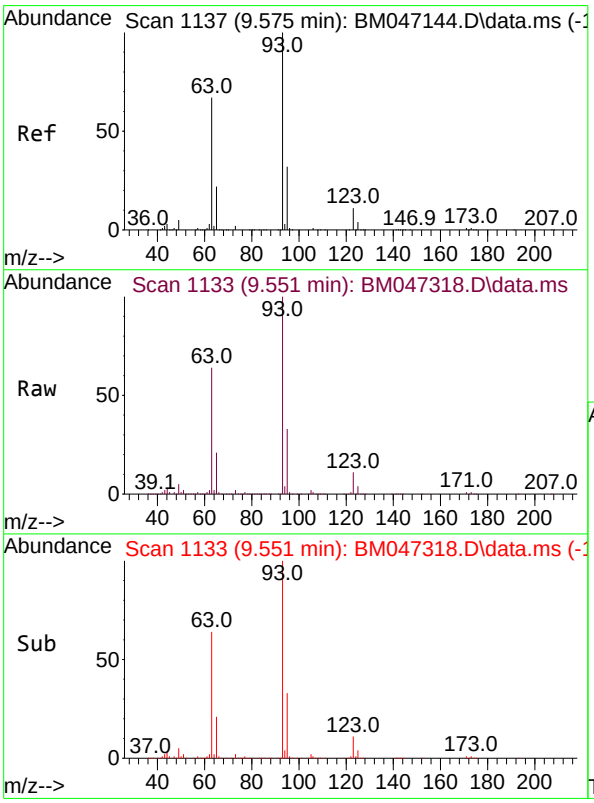
#27
2,4-Dimethylphenol
Concen: 60.257 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:122 Resp: 641829

Ion	Ratio	Lower	Upper
122	100		
107	116.4	92.8	139.2
121	57.7	46.1	69.1

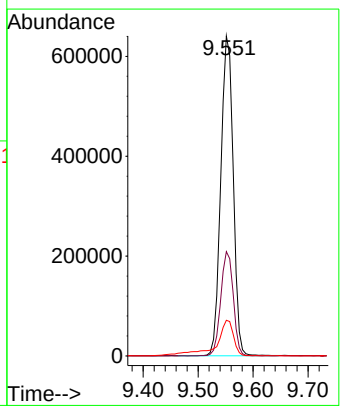


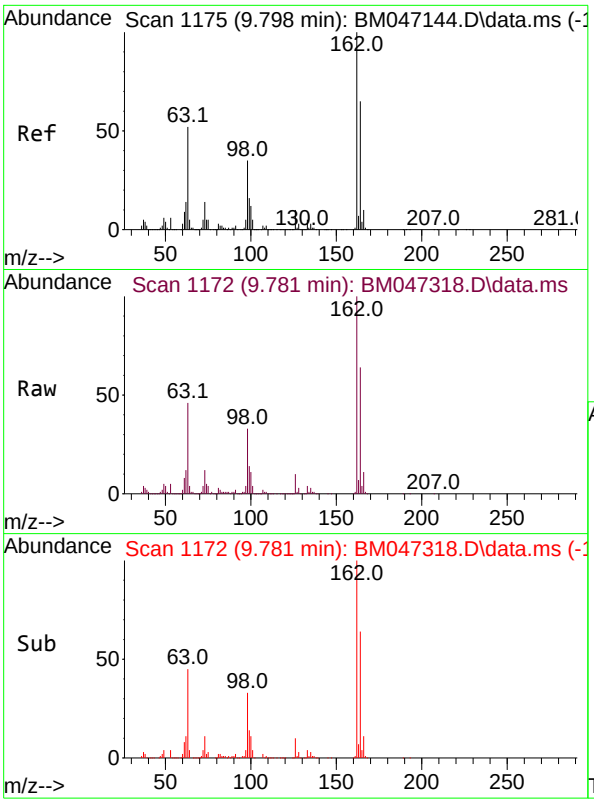


#28
bis(2-Chloroethoxy)methane
Concen: 45.095 ng
RT: 9.551 min Scan# 1133
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion: 93 Resp: 1007422

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.8	38.8
123	11.2	9.0	13.4



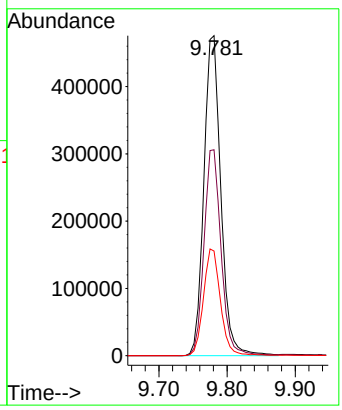


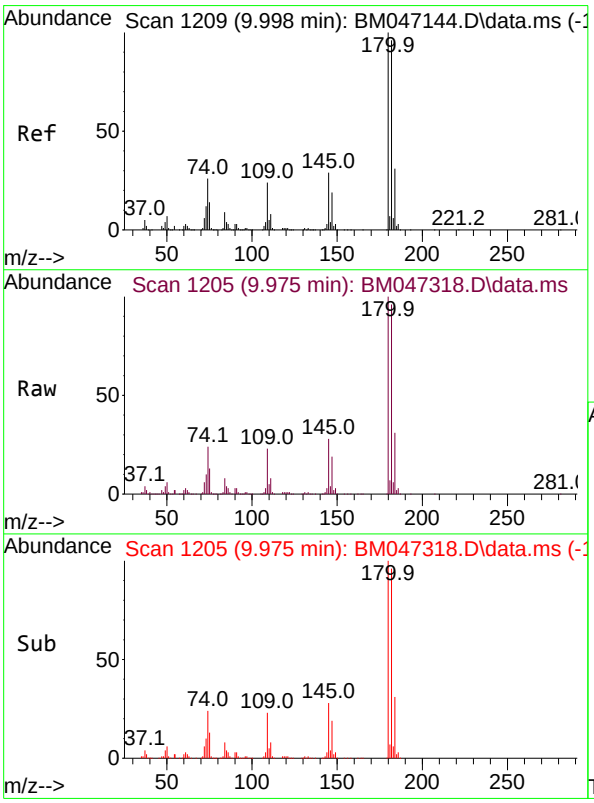
#29
2,4-Dichlorophenol
Concen: 52.216 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:162 Resp: 825234

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.7	84.7
98	32.7	14.9	54.9

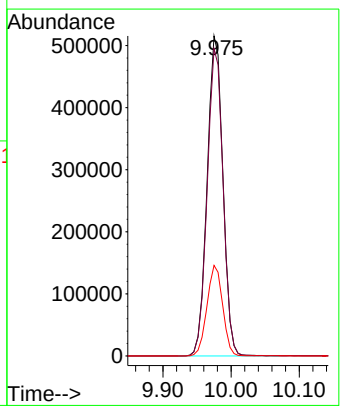


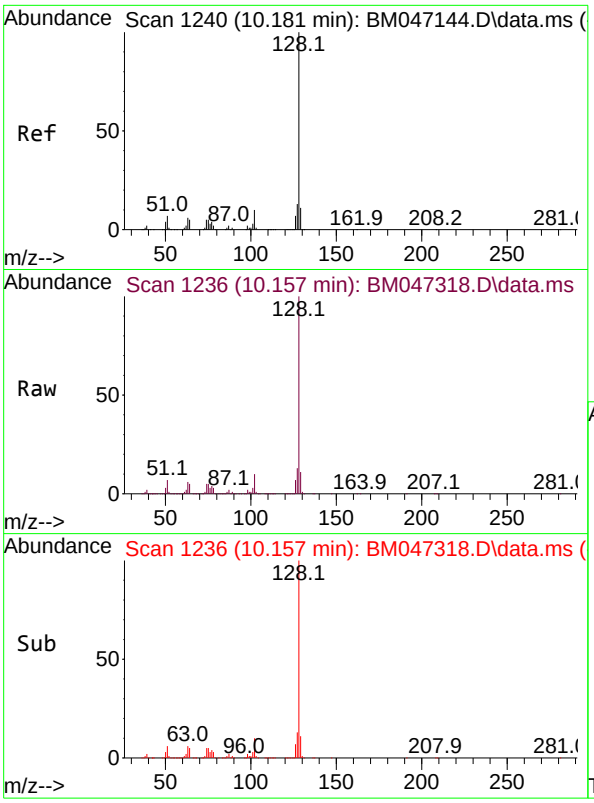


#30
1,2,4-Trichlorobenzene
Concen: 46.429 ng
RT: 9.975 min Scan# 1205
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:180 Resp: 830403

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.6	115.0
145	28.3	23.4	35.2



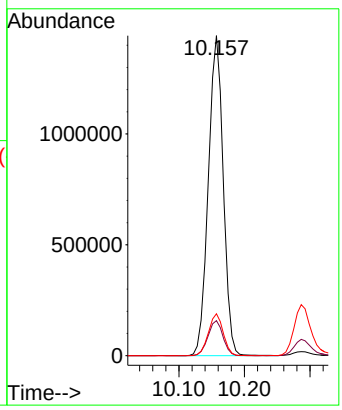


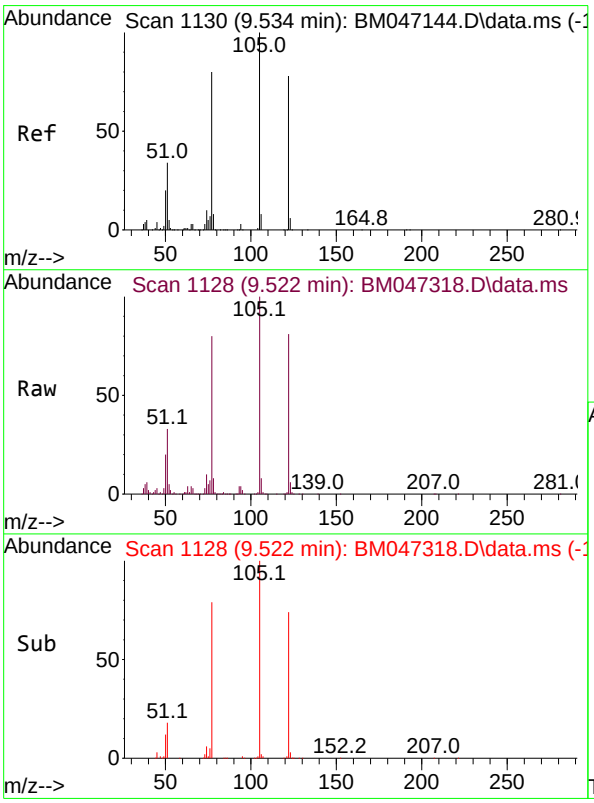
#31
Naphthalene
Concen: 44.623 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:128 Resp: 2282387

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.1	10.2	15.4

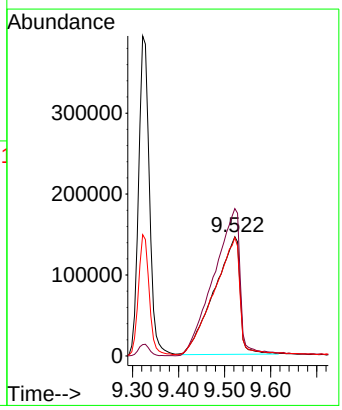


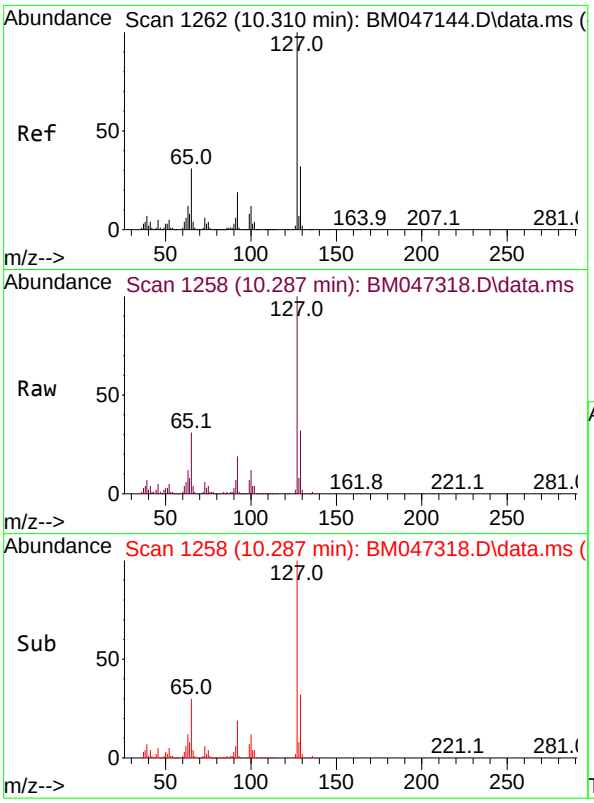


#32
Benzoic acid
Concen: 45.894 ng
RT: 9.522 min Scan# 1128
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:122 Resp: 567943

Ion	Ratio	Lower	Upper
122	100		
105	123.7	107.1	147.1
77	99.3	82.1	122.1



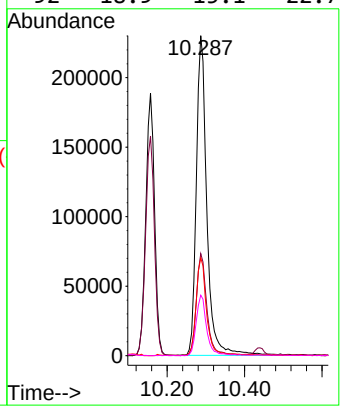


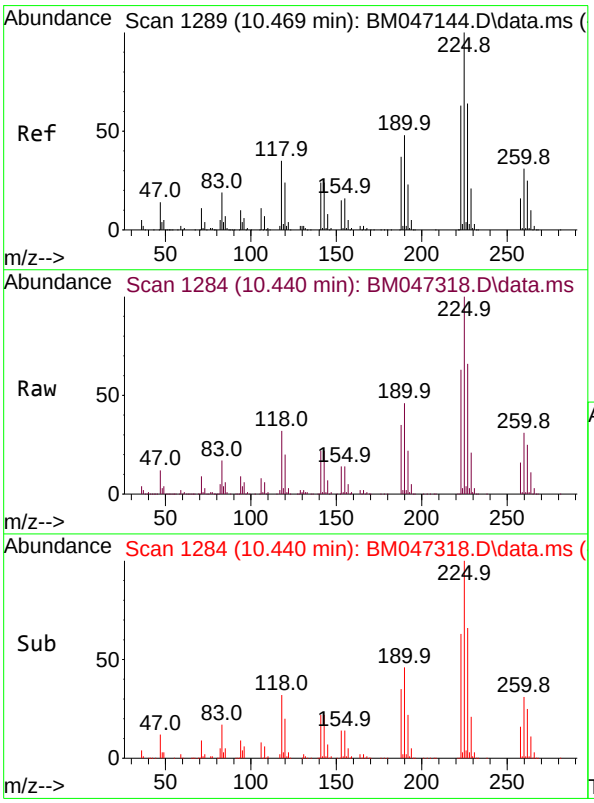
#33
4-Chloroaniline
Concen: 22.119 ng
RT: 10.287 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:127 Resp: 435065

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.8	38.8
65	30.5	24.9	37.3
92	18.9	15.1	22.7

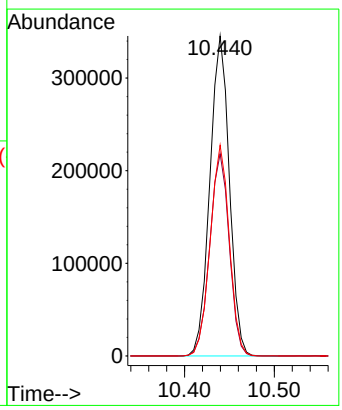


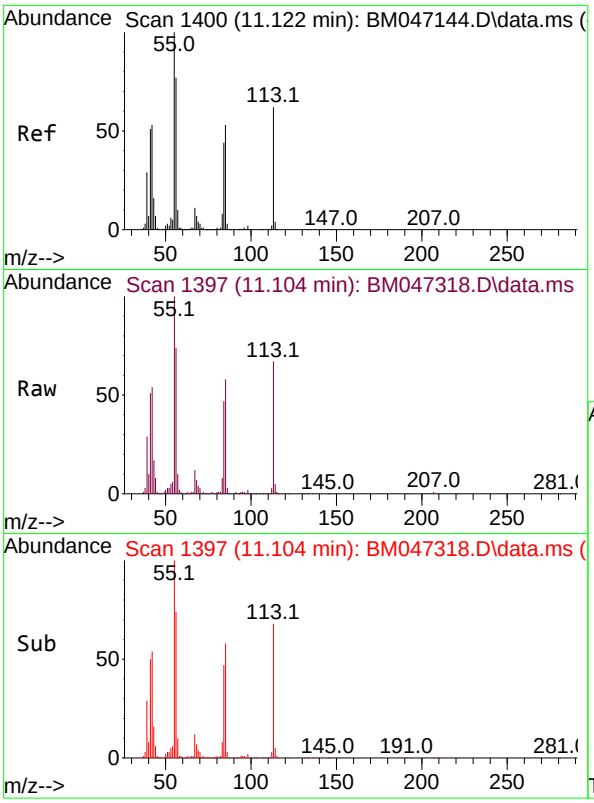


#34
Hexachlorobutadiene
Concen: 49.729 ng
RT: 10.440 min Scan# 1284
Delta R.T. -0.029 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:225 Resp: 520589

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.2	75.2
227	65.8	51.4	77.0



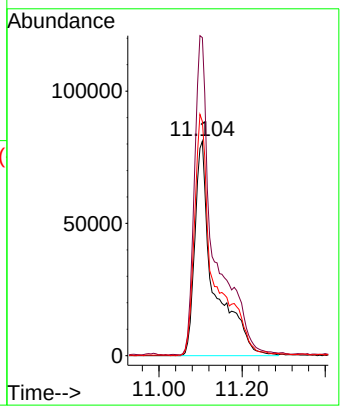


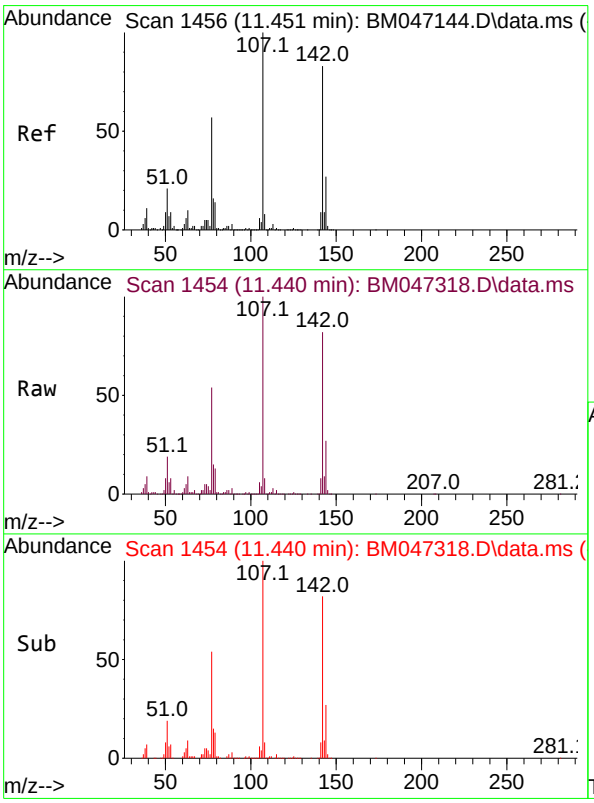
#35
Caprolactam
Concen: 47.156 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:113 Resp: 258816

Ion	Ratio	Lower	Upper
113	100		
55	148.4	140.5	180.5
56	109.2	103.6	143.6

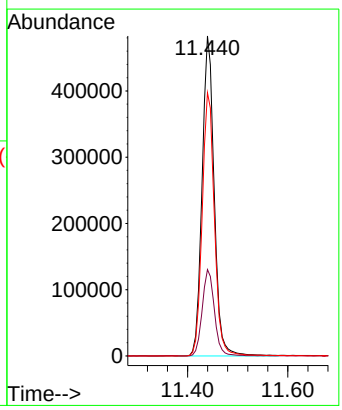


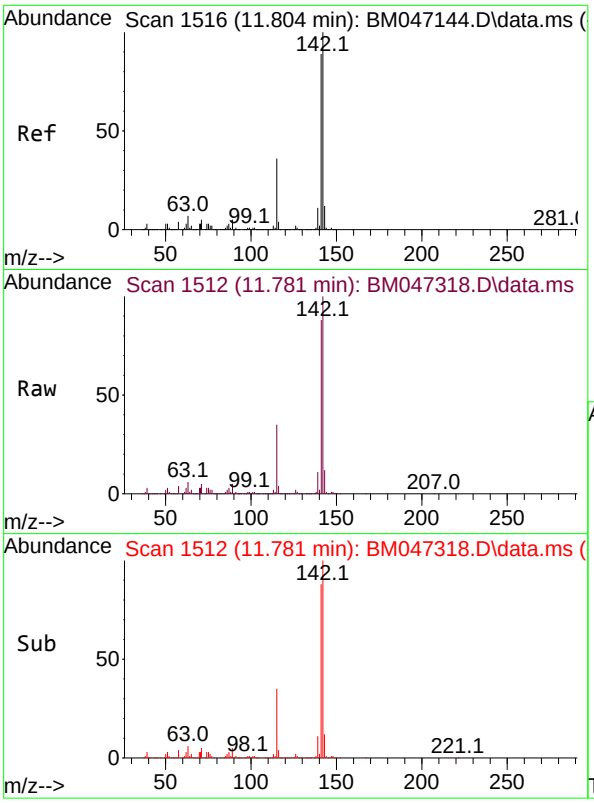


#36
4-Chloro-3-methylphenol
Concen: 48.064 ng
RT: 11.440 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:107 Resp: 808997

Ion	Ratio	Lower	Upper
107	100		
144	27.0	21.8	32.6
142	82.2	66.8	100.2



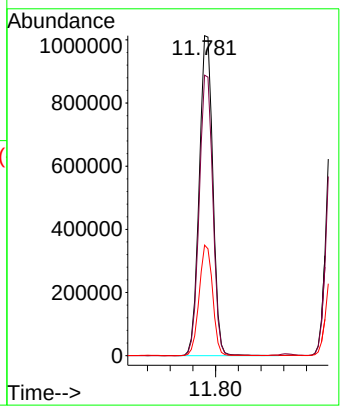


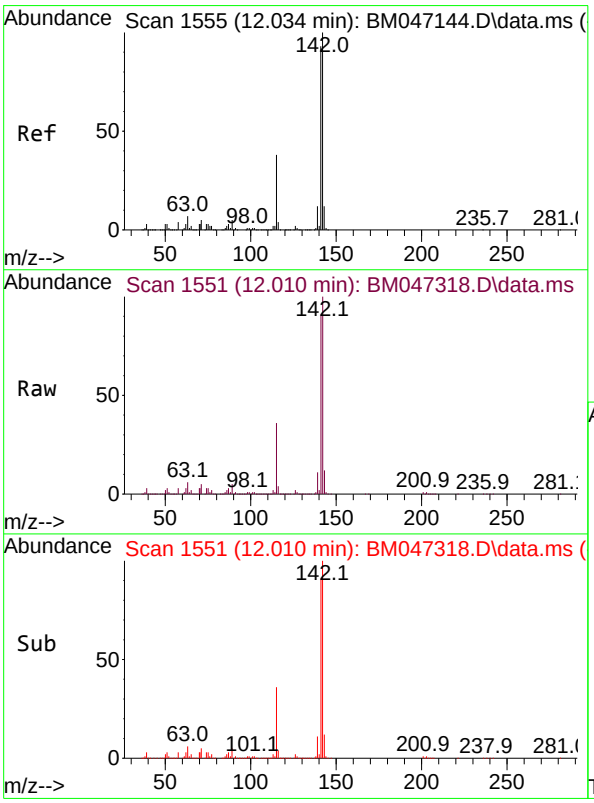
#37
2-Methylnaphthalene
Concen: 46.136 ng
RT: 11.781 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:142 Resp: 1680180

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.9	106.3
115	34.6	28.7	43.1

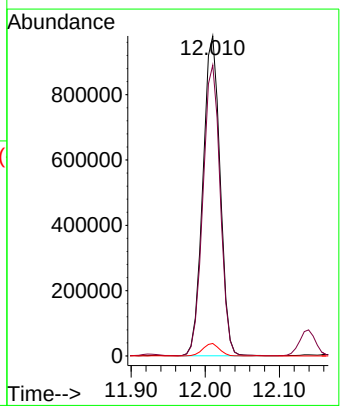


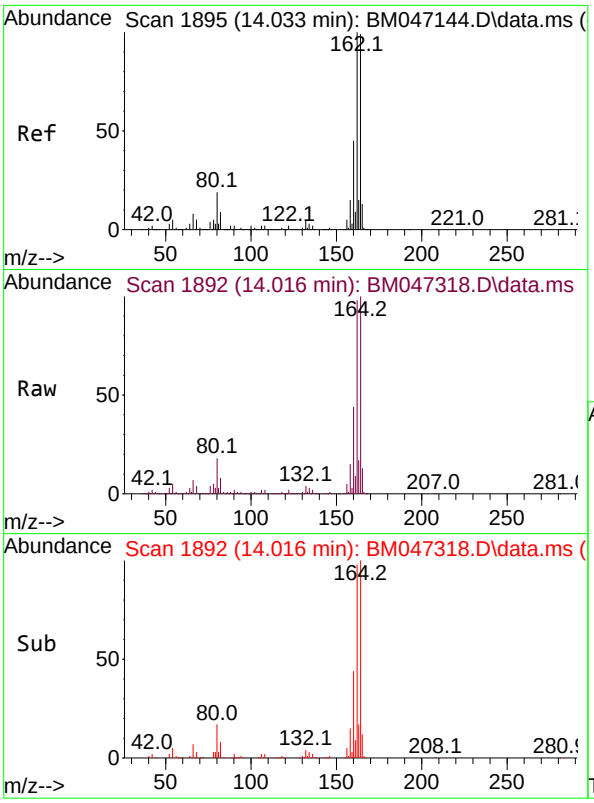


#38
1-Methylnaphthalene
Concen: 43.762 ng
RT: 12.010 min Scan# 1551
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:142 Resp: 1575086

Ion	Ratio	Lower	Upper
142	100		
141	90.9	74.6	111.8
116	3.9	3.1	4.7



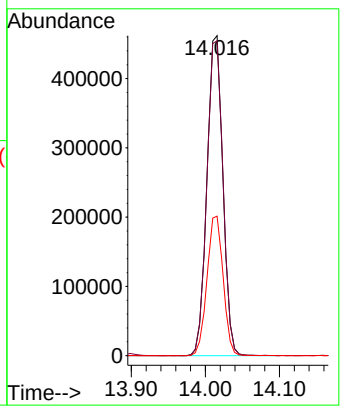


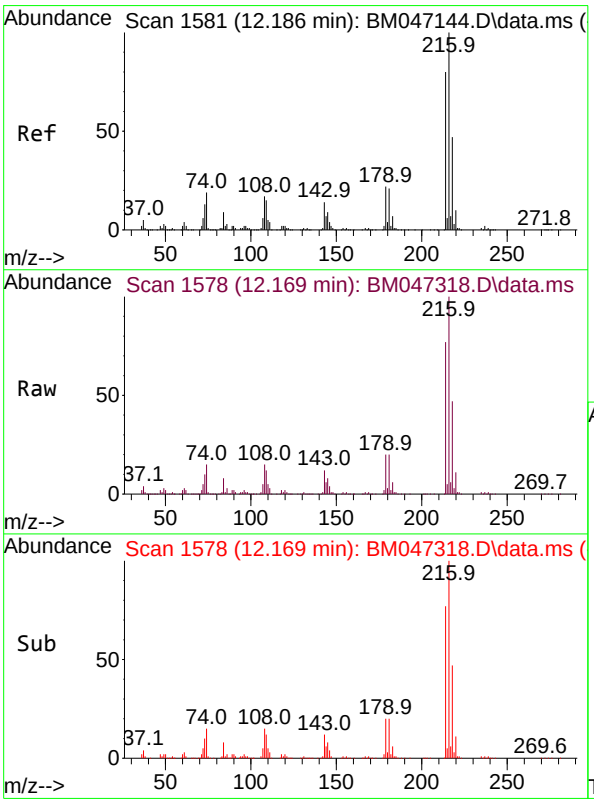
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:164 Resp: 688419

Ion	Ratio	Lower	Upper
164	100		
162	98.4	80.7	121.1
160	43.6	36.0	54.0

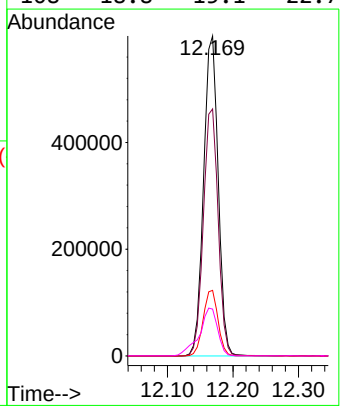


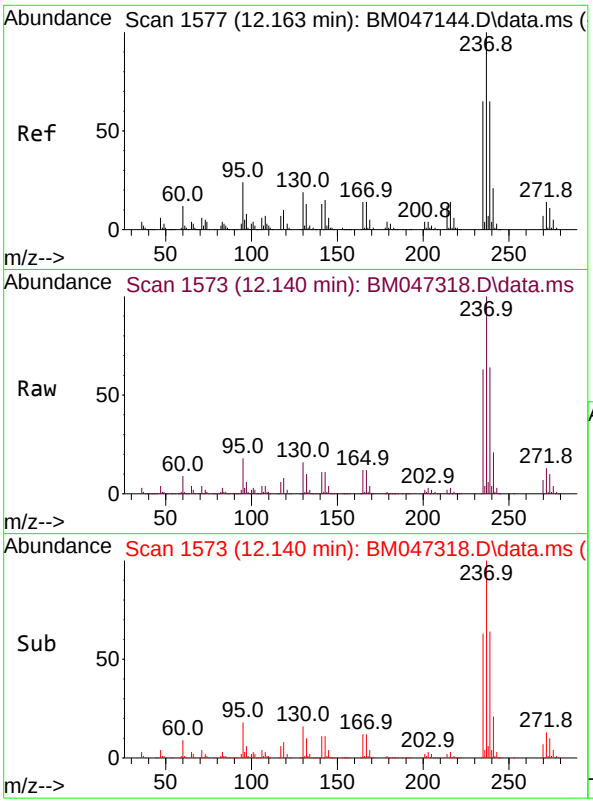


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.580 ng
RT: 12.169 min Scan# 1578
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:216 Resp: 930966

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.4	95.2
179	20.8	17.6	26.4
108	18.8	15.1	22.7



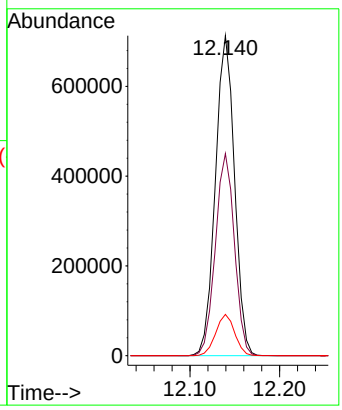


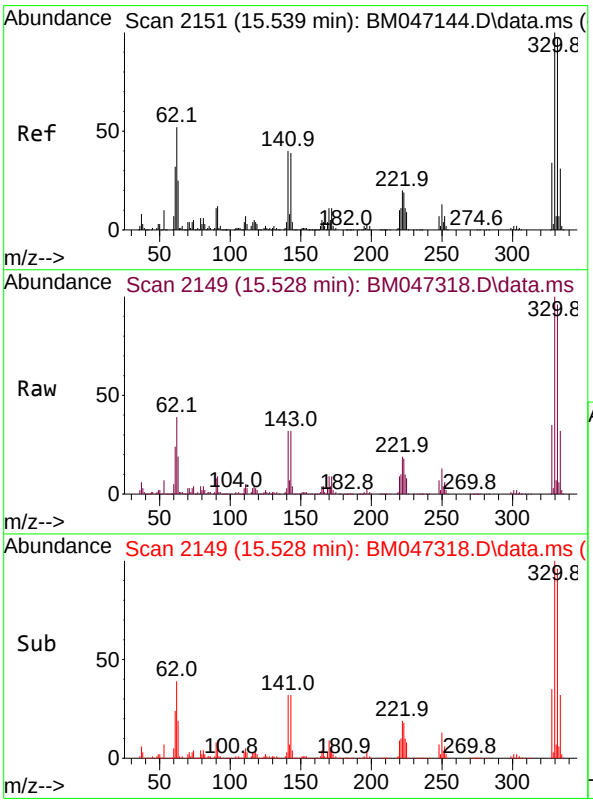
#41
Hexachlorocyclopentadiene
Concen: 160.912 ng
RT: 12.140 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:237 Resp: 1055048

Ion	Ratio	Lower	Upper
237	100		
235	63.2	44.8	84.8
272	12.9	0.0	33.5

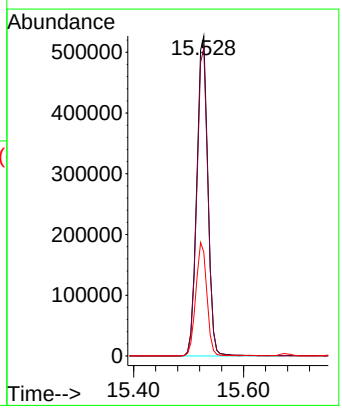


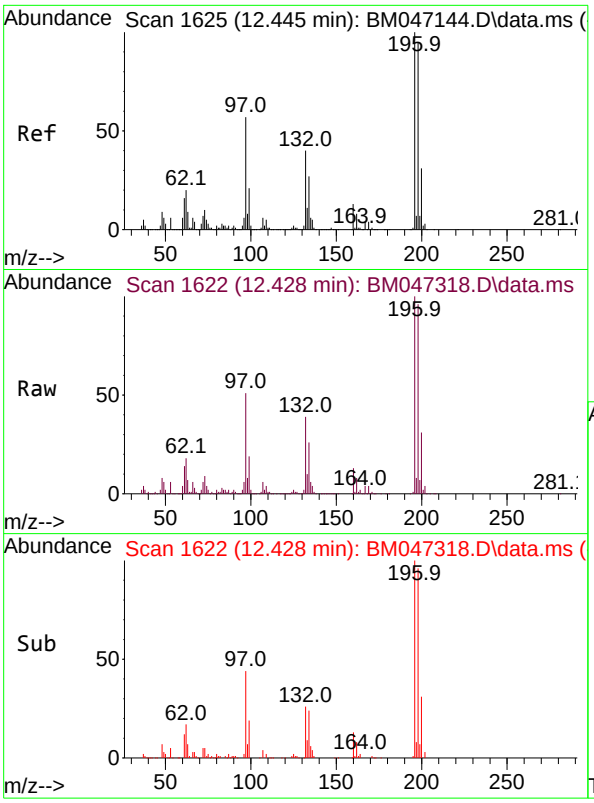


#42
2,4,6-Tribromophenol
Concen: 92.649 ng
RT: 15.528 min Scan# 2149
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:330 Resp: 739558

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.4	116.2
141	35.3	31.6	47.4



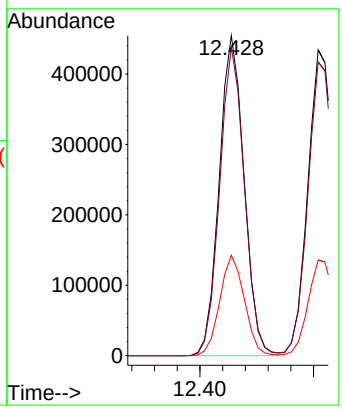


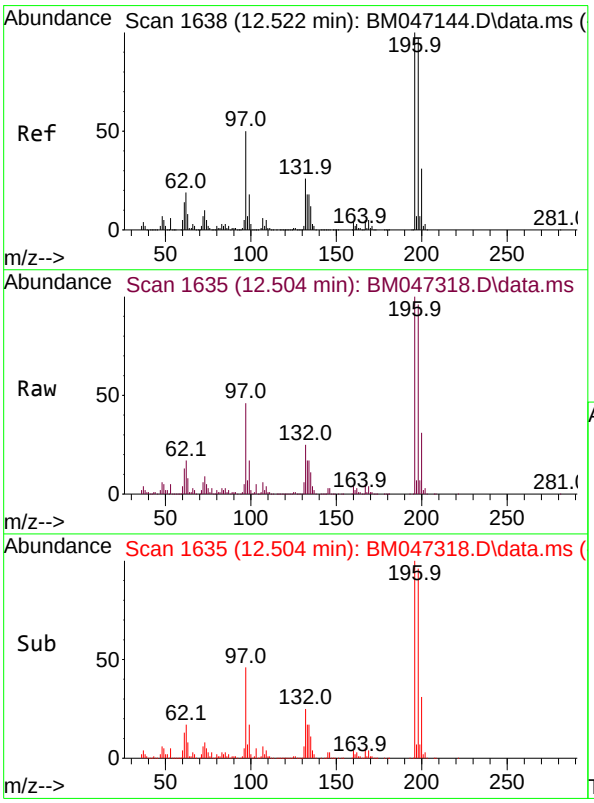
#43
2,4,6-Trichlorophenol
Concen: 51.825 ng
RT: 12.428 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:196 Resp: 691662

Ion	Ratio	Lower	Upper
196	100		
198	96.4	75.6	113.4
200	31.4	24.6	37.0

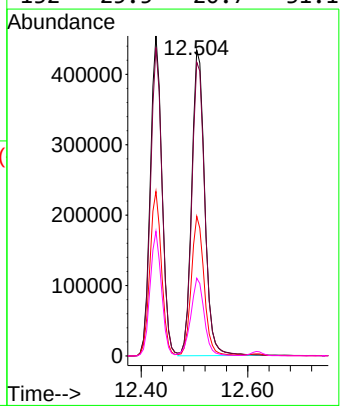


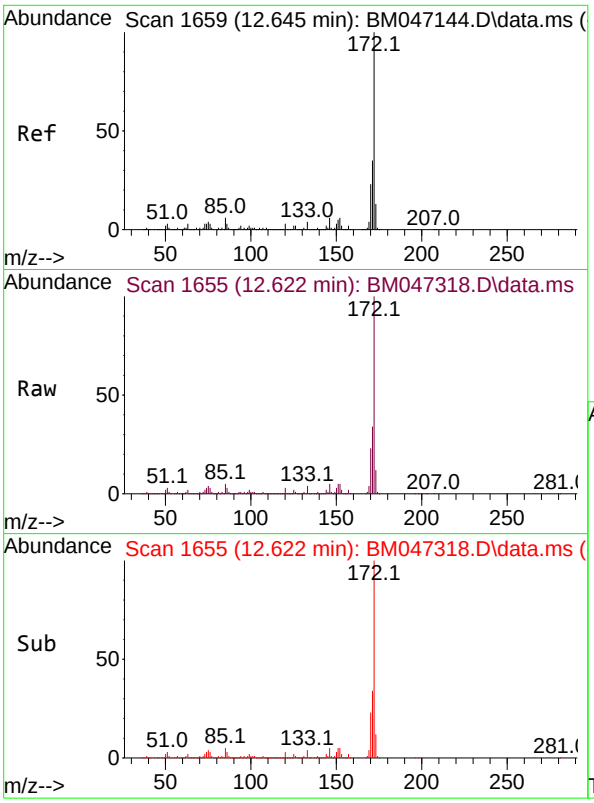


#44
2,4,5-Trichlorophenol
Concen: 49.804 ng
RT: 12.504 min Scan# 1635
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:196 Resp: 738009

Ion	Ratio	Lower	Upper
196	100		
198	96.1	77.7	116.5
97	45.7	39.8	59.8
132	25.5	20.7	31.1



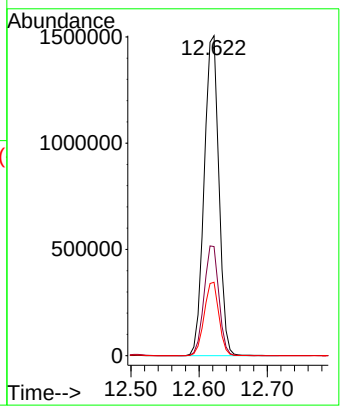


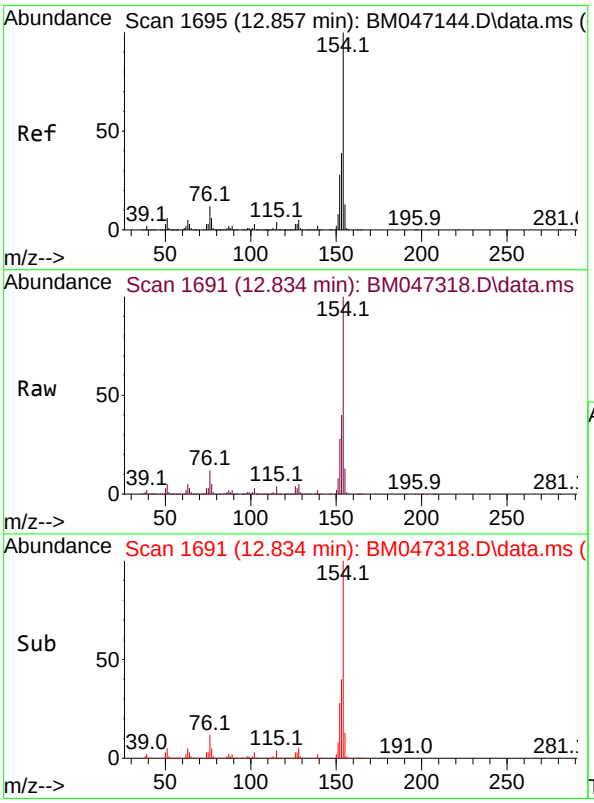
#45
2-Fluorobiphenyl
Concen: 50.644 ng
RT: 12.622 min Scan# 1(
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:172 Resp: 2260203

Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.8	41.6
170	22.9	18.7	28.1

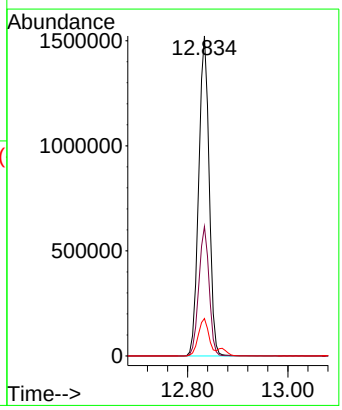


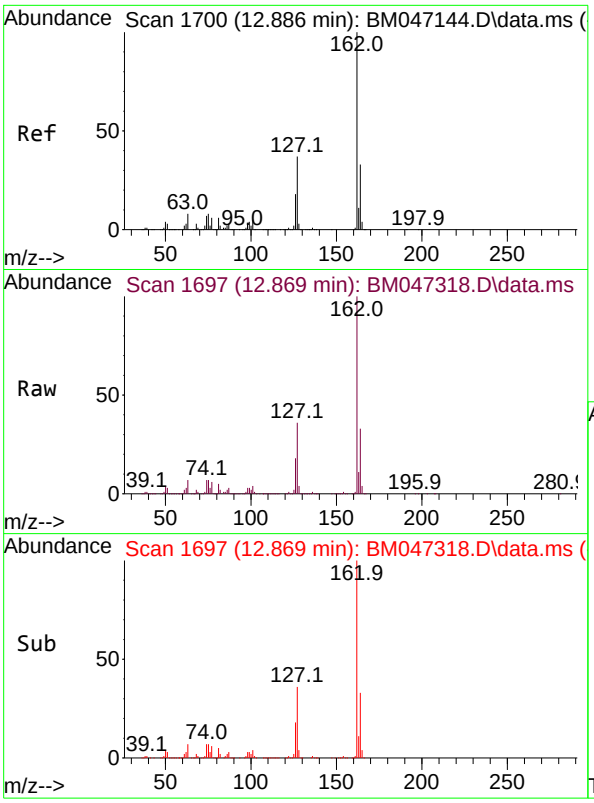


#46
1,1'-Biphenyl
Concen: 44.740 ng
RT: 12.834 min Scan# 1691
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:154 Resp: 2192671

Ion	Ratio	Lower	Upper
154	100		
153	40.4	19.0	59.0
76	11.7	0.0	31.9



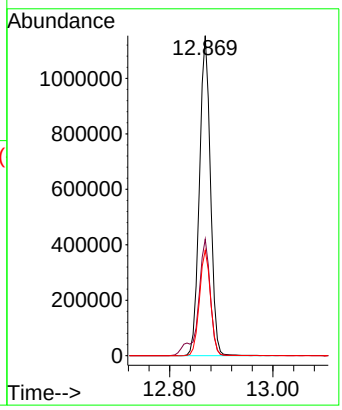


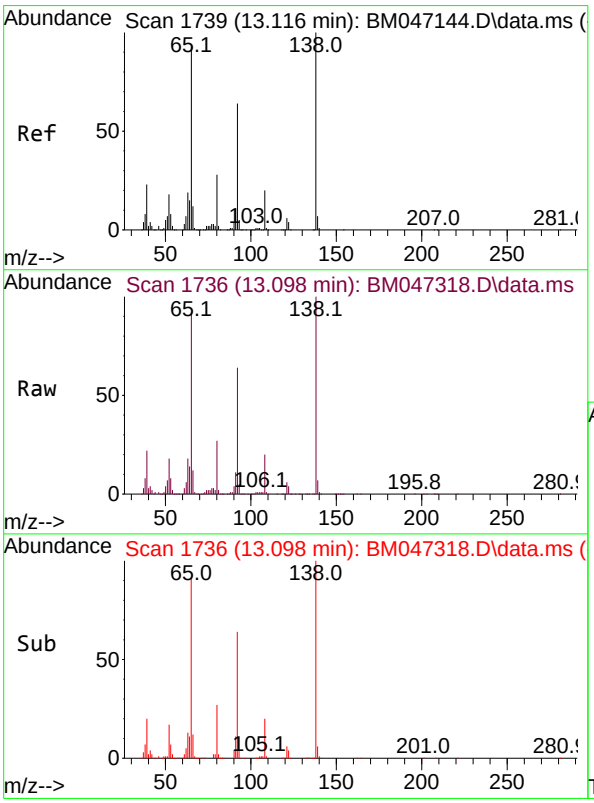
#47
2-Chloronaphthalene
Concen: 44.395 ng
RT: 12.869 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:162 Resp: 1700598

Ion	Ratio	Lower	Upper
162	100		
127	36.4	30.0	45.0
164	33.0	26.3	39.5

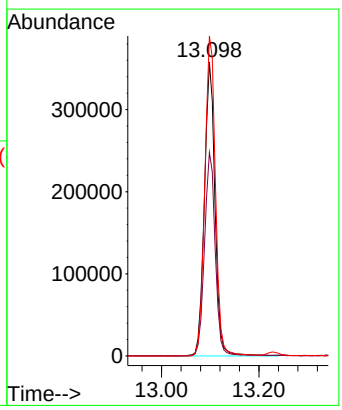


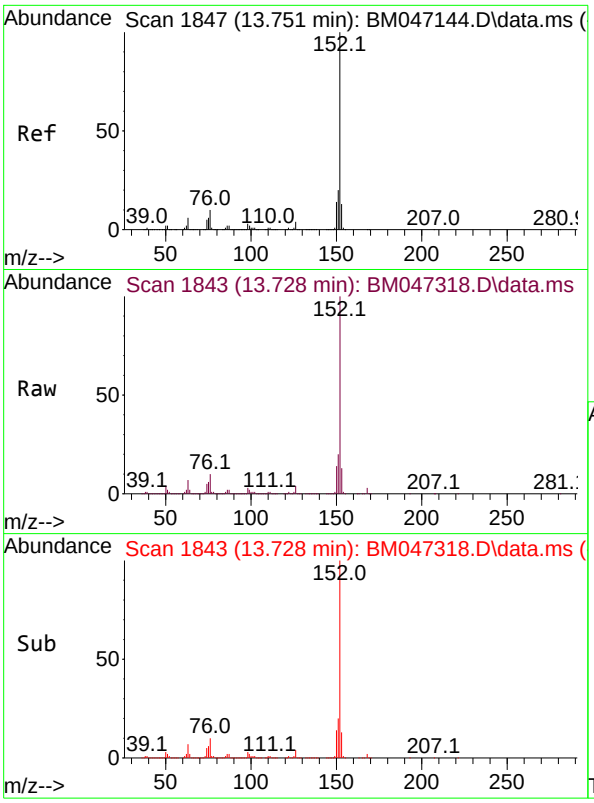


#48
2-Nitroaniline
Concen: 45.186 ng
RT: 13.098 min Scan# 1736
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion: 65 Resp: 542259

Ion	Ratio	Lower	Upper
65	100		
92	69.3	55.1	82.7
138	108.9	85.9	128.9



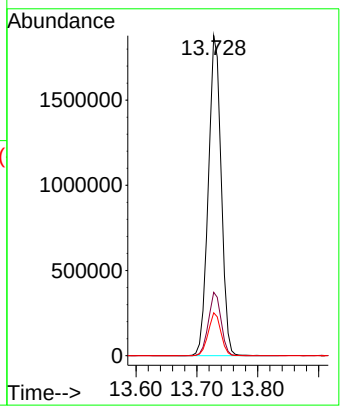


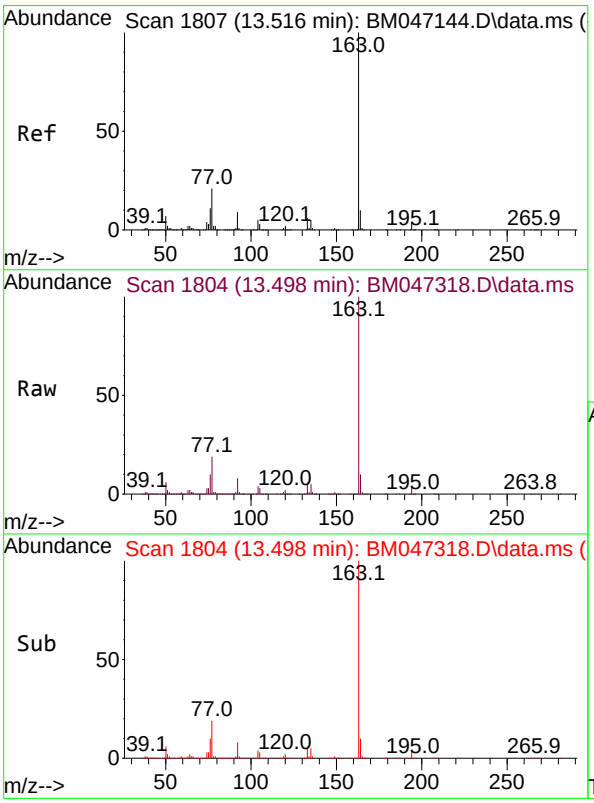
#49
Acenaphthylene
Concen: 48.647 ng
RT: 13.728 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:152 Resp: 2746810

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.4	10.4	15.6

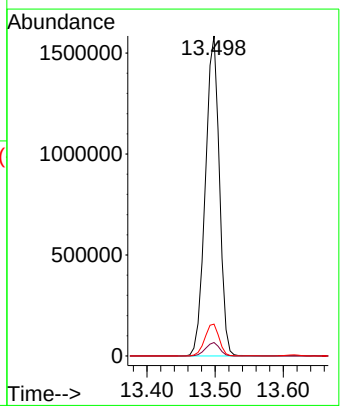


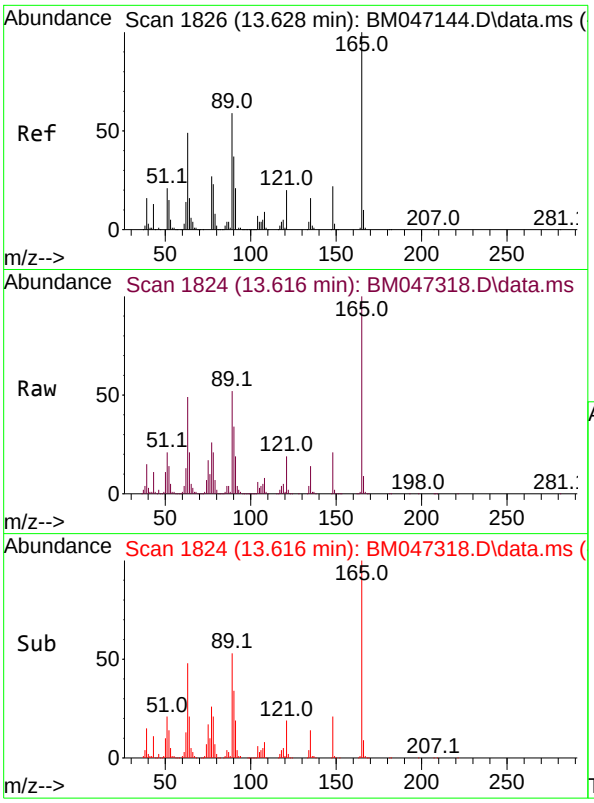


#50
Dimethylphthalate
Concen: 47.112 ng
RT: 13.498 min Scan# 1804
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:163 Resp: 2265127

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.6
164	10.0	8.0	12.0



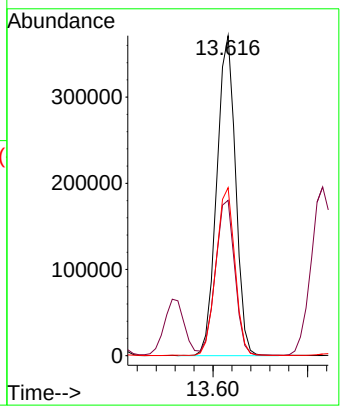


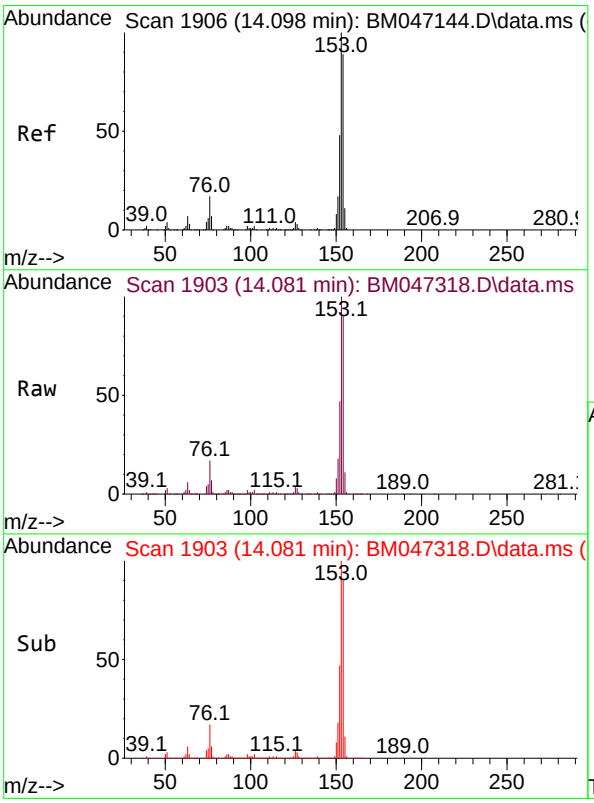
#51
2,6-Dinitrotoluene
Concen: 45.577 ng
RT: 13.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:165 Resp: 512257

Ion	Ratio	Lower	Upper
165	100		
63	48.5	46.5	69.7
89	52.5	47.3	70.9

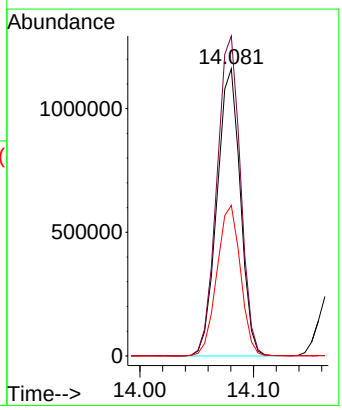


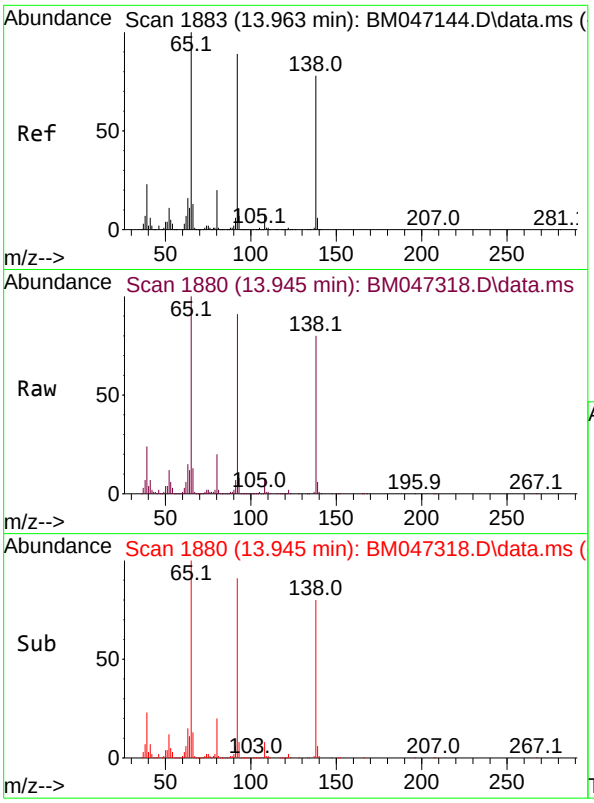


#52
Acenaphthene
Concen: 46.230 ng
RT: 14.081 min Scan# 1903
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:154 Resp: 1655829

Ion	Ratio	Lower	Upper
154	100		
153	111.4	90.3	135.5
152	52.4	42.9	64.3



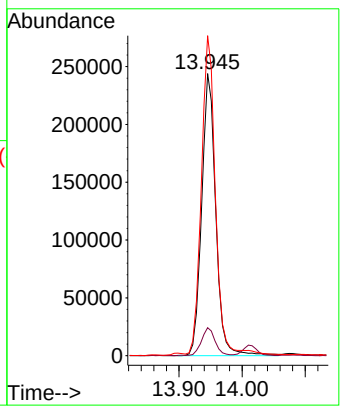


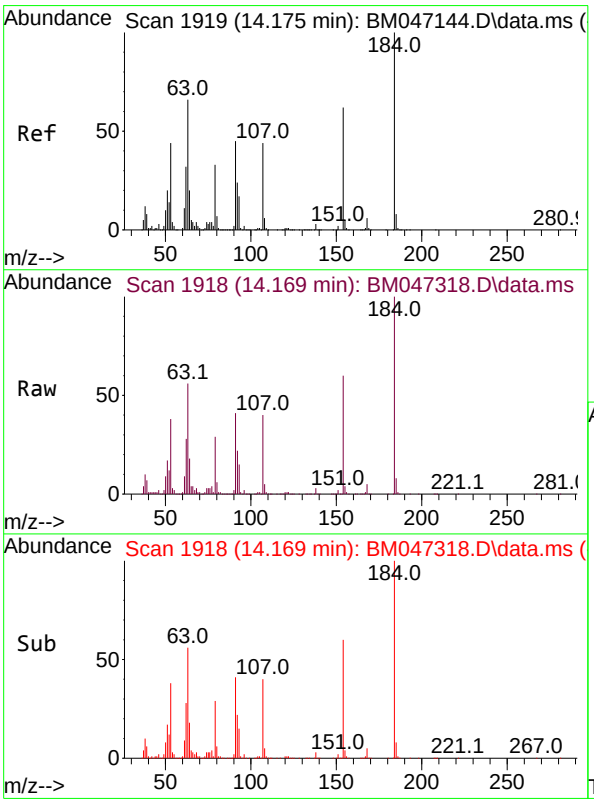
#53
3-Nitroaniline
Concen: 33.576 ng
RT: 13.945 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:138 Resp: 378147

Ion	Ratio	Lower	Upper
138	100		
108	9.9	7.9	11.9
92	113.5	92.0	138.0

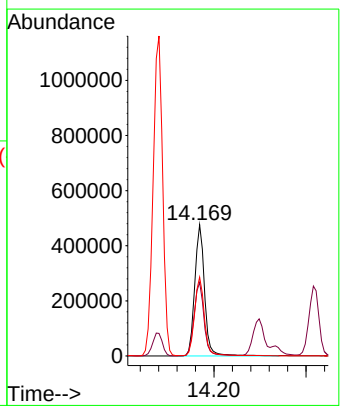


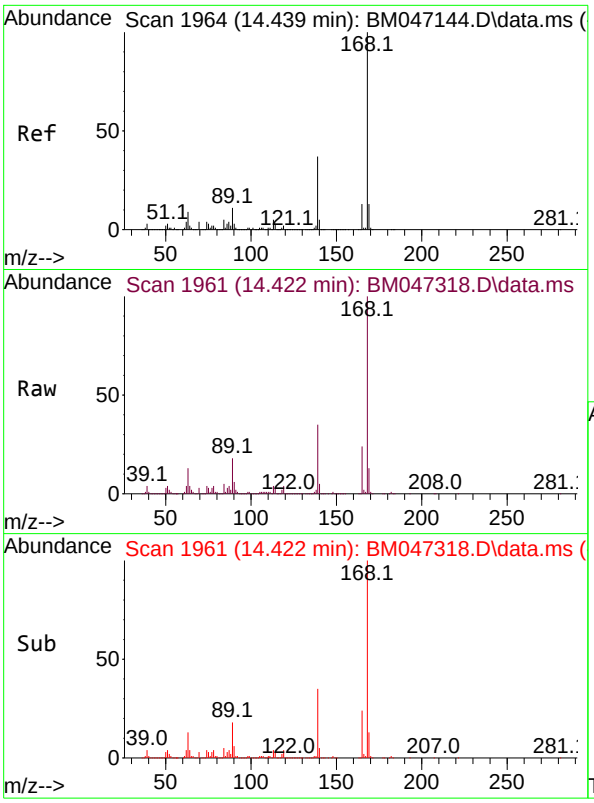


#54
2,4-Dinitrophenol
Concen: 104.617 ng
RT: 14.169 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:184 Resp: 704727

Ion	Ratio	Lower	Upper
184	100		
63	56.2	52.7	79.1
154	60.2	50.4	75.6



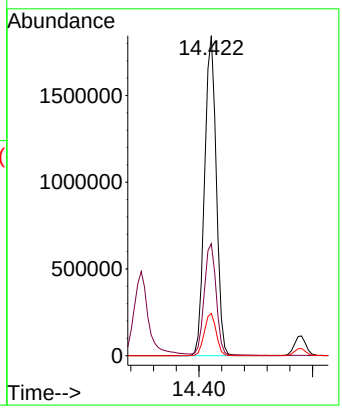


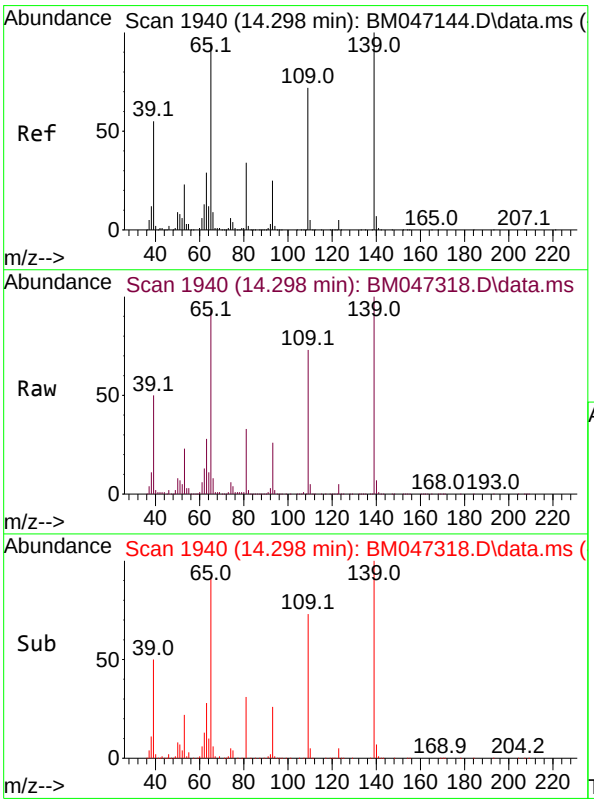
#55
Dibenzofuran
Concen: 46.357 ng
RT: 14.422 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:168 Resp: 2622668

Ion	Ratio	Lower	Upper
168	100		
139	35.0	29.6	44.4
169	13.2	10.7	16.1

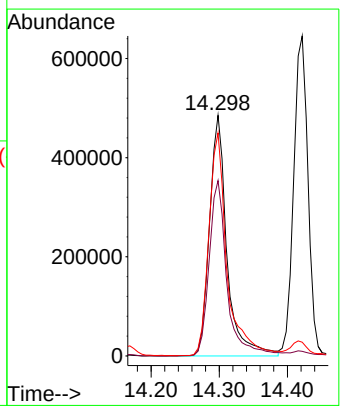


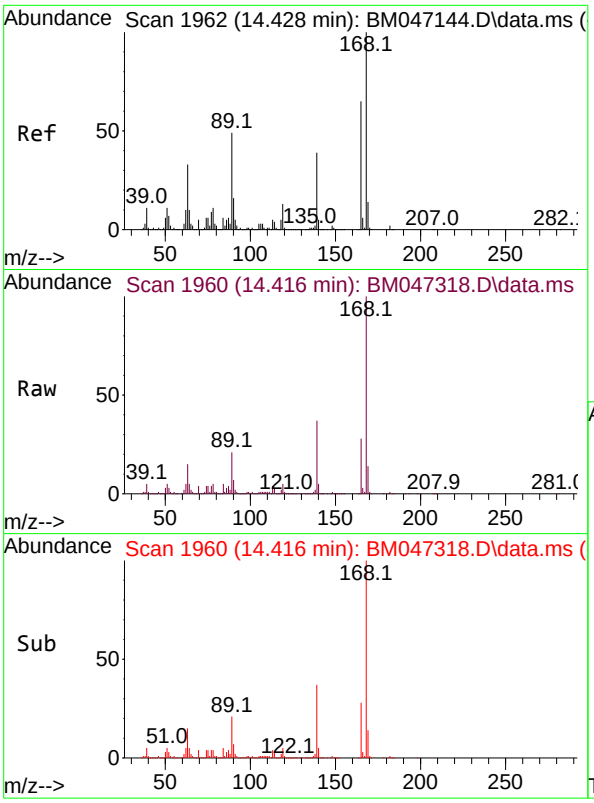


#56
4-Nitrophenol
Concen: 89.173 ng
RT: 14.298 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:139 Resp: 865999

Ion	Ratio	Lower	Upper
139	100		
109	72.9	52.5	92.5
65	92.7	75.4	115.4



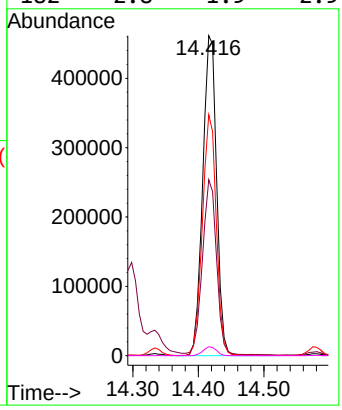


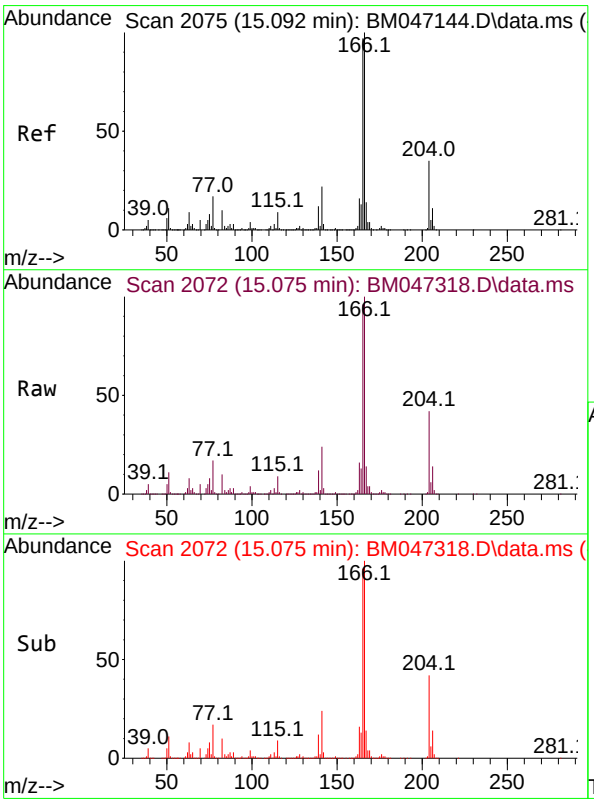
#57
2,4-Dinitrotoluene
Concen: 45.567 ng
RT: 14.416 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:165 Resp: 683585

Ion	Ratio	Lower	Upper
165	100		
63	55.0	40.3	60.5
89	75.3	61.0	91.6
182	2.8	1.9	2.9

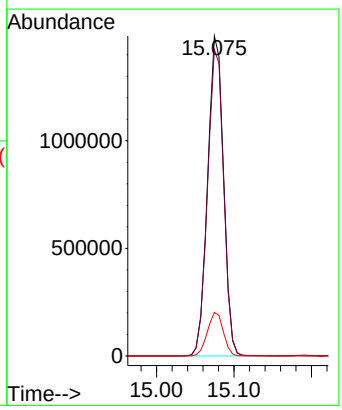


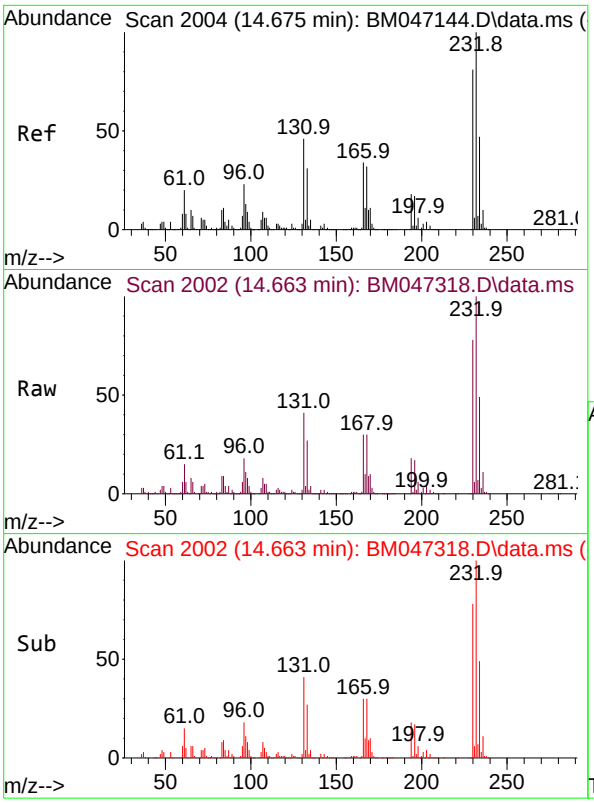


#58
Fluorene
Concen: 45.460 ng
RT: 15.075 min Scan# 2072
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:166 Resp: 2122093

Ion	Ratio	Lower	Upper
166	100		
165	95.8	77.4	116.0
167	13.6	11.0	16.6



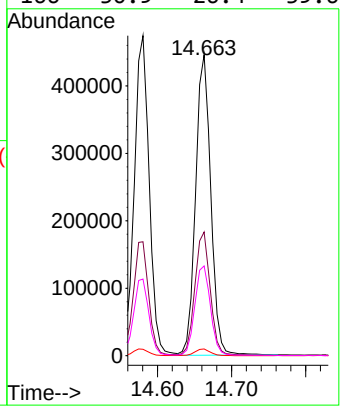


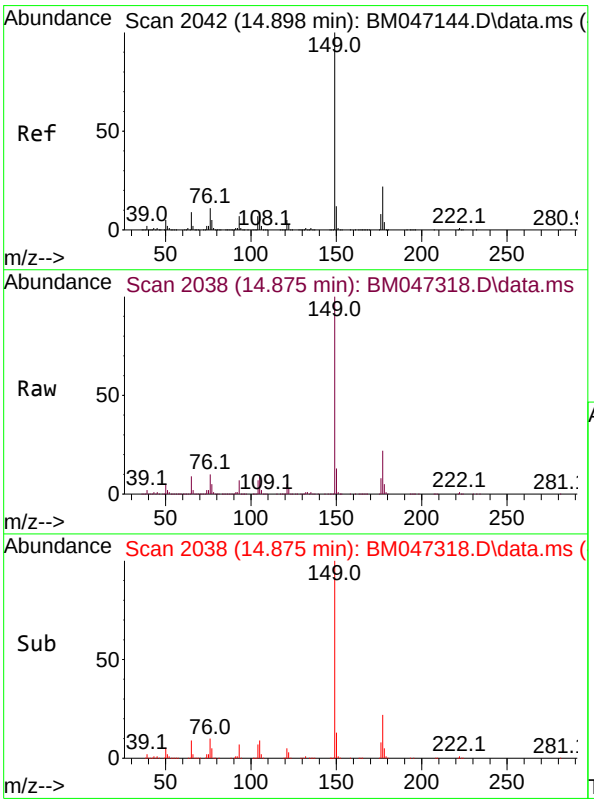
#59
2,3,4,6-Tetrachlorophenol
Concen: 52.037 ng
RT: 14.663 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:232 Resp: 633732

Ion	Ratio	Lower	Upper
232	100		
131	41.9	36.9	55.3
130	2.3	2.0	3.0
166	30.9	26.4	39.6

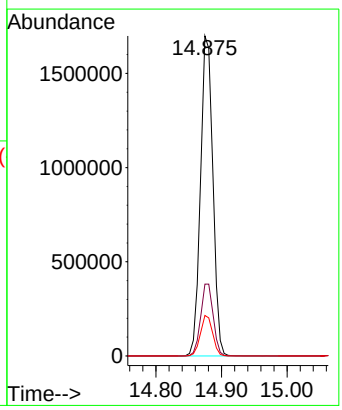


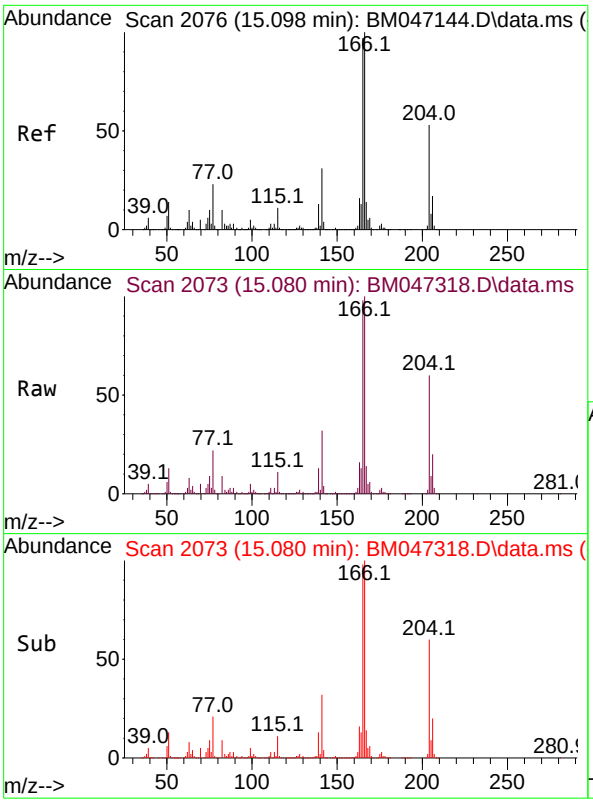


#60
Diethylphthalate
Concen: 45.597 ng
RT: 14.875 min Scan# 2038
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:149 Resp: 2238721

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.6	26.4
150	12.7	9.8	14.6



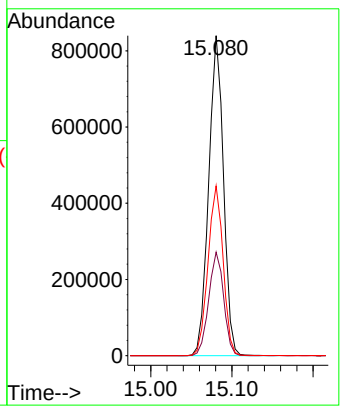


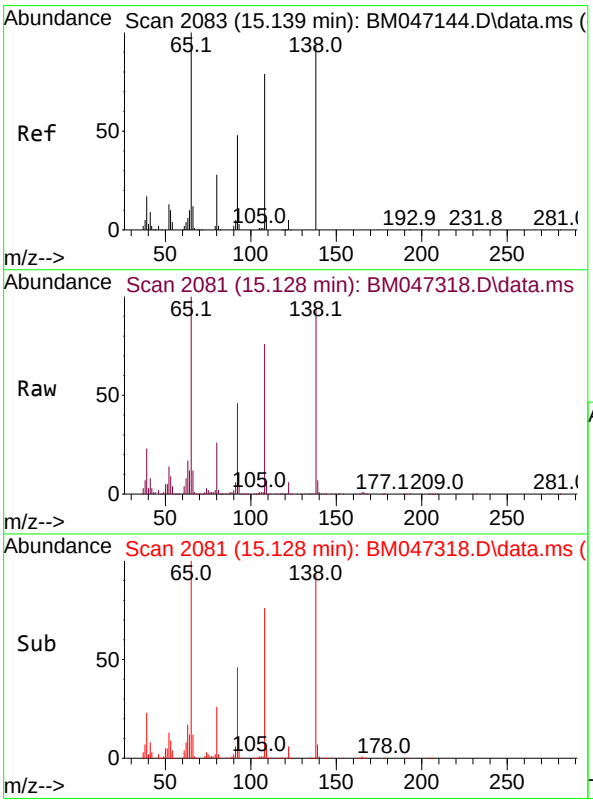
#61
4-Chlorophenyl-phenylether
Concen: 47.672 ng
RT: 15.080 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:204 Resp: 1059439

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.2	39.4
141	53.1	47.2	70.8

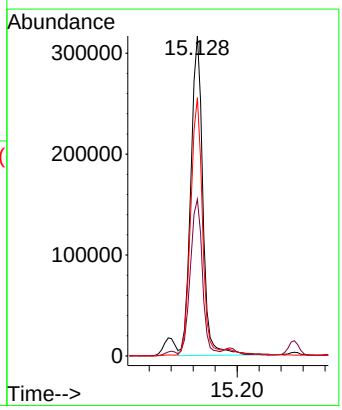


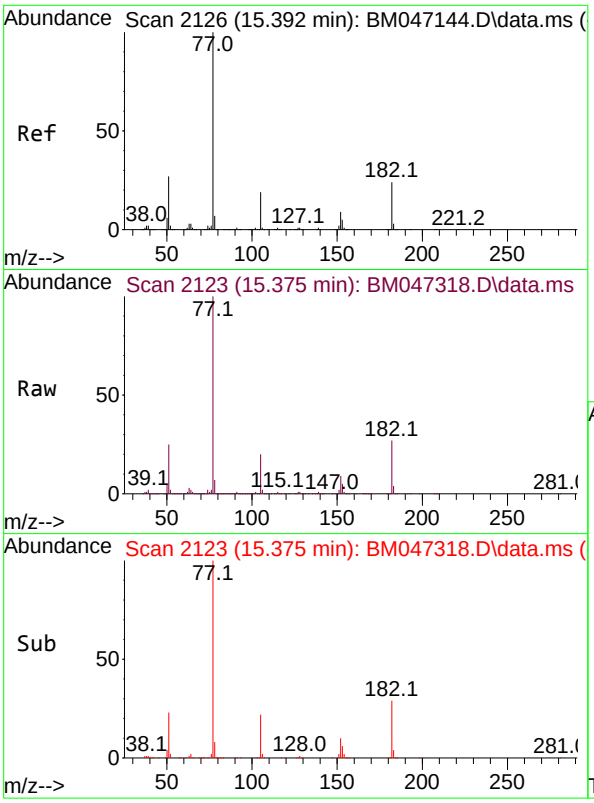


#62
4-Nitroaniline
Concen: 43.305 ng
RT: 15.128 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:138 Resp: 480474

Ion	Ratio	Lower	Upper
138	100		
92	49.0	31.9	71.9
108	80.7	63.8	103.8



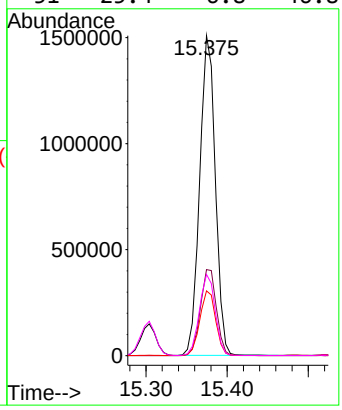


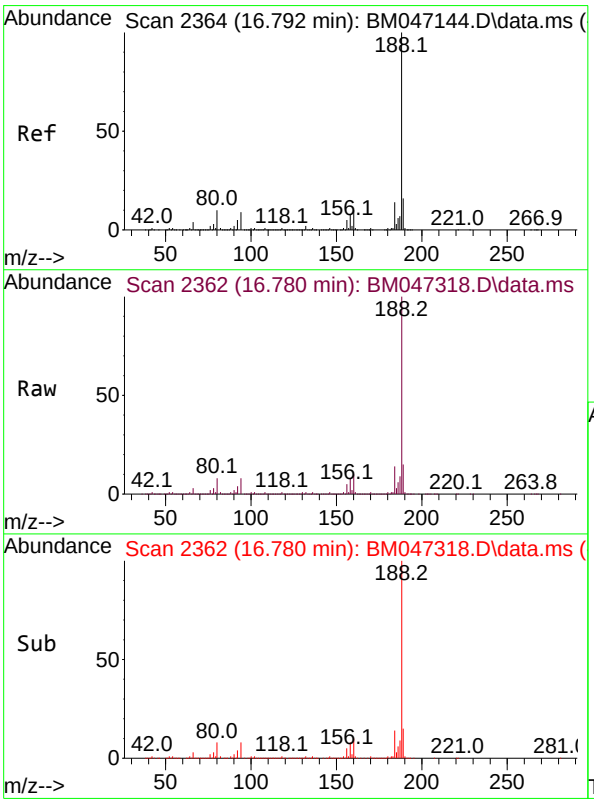
#63
Azobenzene
Concen: 43.379 ng
RT: 15.375 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion: 77 Resp: 2019405

Ion	Ratio	Lower	Upper
77	100		
182	26.9	3.8	43.8
105	20.3	0.0	39.5
51	25.4	6.8	46.8

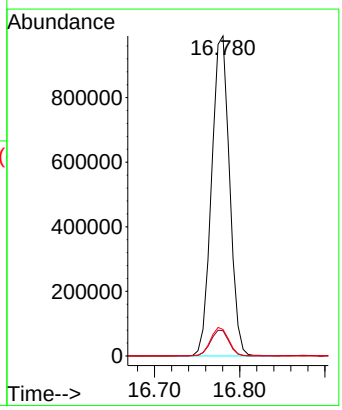


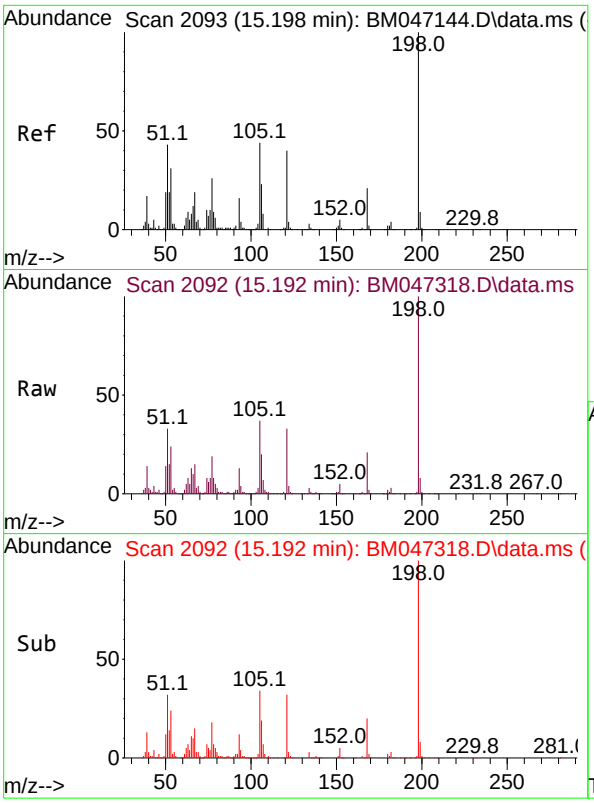


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 2362
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:188 Resp: 1449373

Ion	Ratio	Lower	Upper
188	100		
94	7.9	7.0	10.6
80	8.3	8.0	12.0



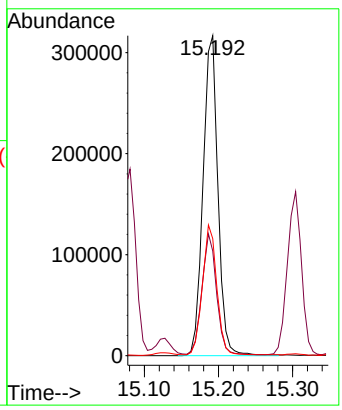


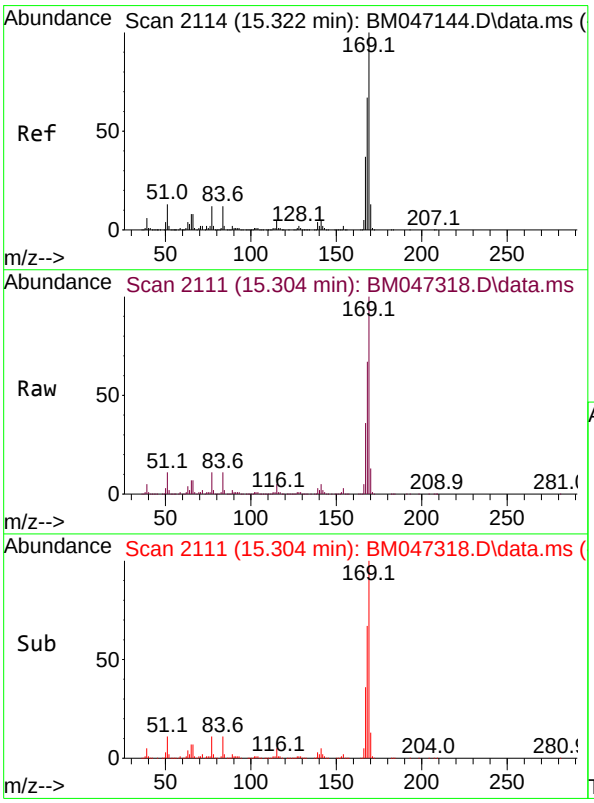
#65
4,6-Dinitro-2-methylphenol
Concen: 52.141 ng
RT: 15.192 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:198 Resp: 442460

Ion	Ratio	Lower	Upper
198	100		
51	32.7	23.9	63.9
105	36.6	24.3	64.3

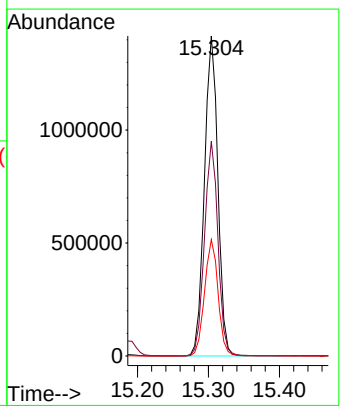


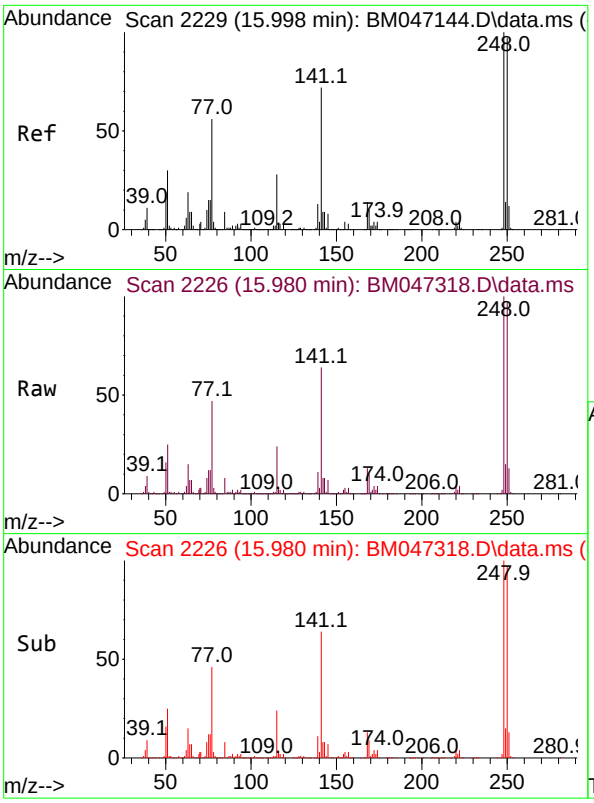


#66
n-Nitrosodiphenylamine
Concen: 47.407 ng
RT: 15.304 min Scan# 2111
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:169 Resp: 1871520

Ion	Ratio	Lower	Upper
169	100		
168	67.1	53.8	80.8
167	36.3	29.3	43.9



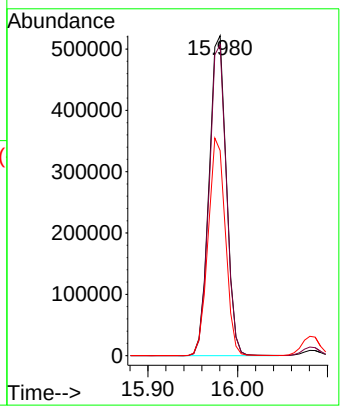


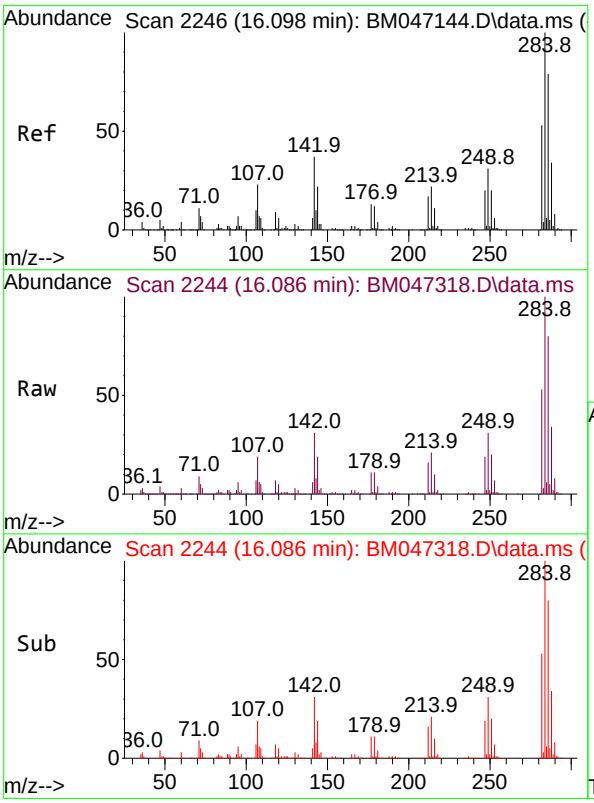
#67
4-Bromophenyl-phenylether
Concen: 49.946 ng
RT: 15.980 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:248 Resp: 697565

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.8	116.8
141	64.1	57.7	86.5

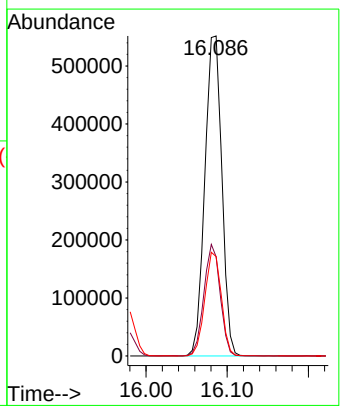


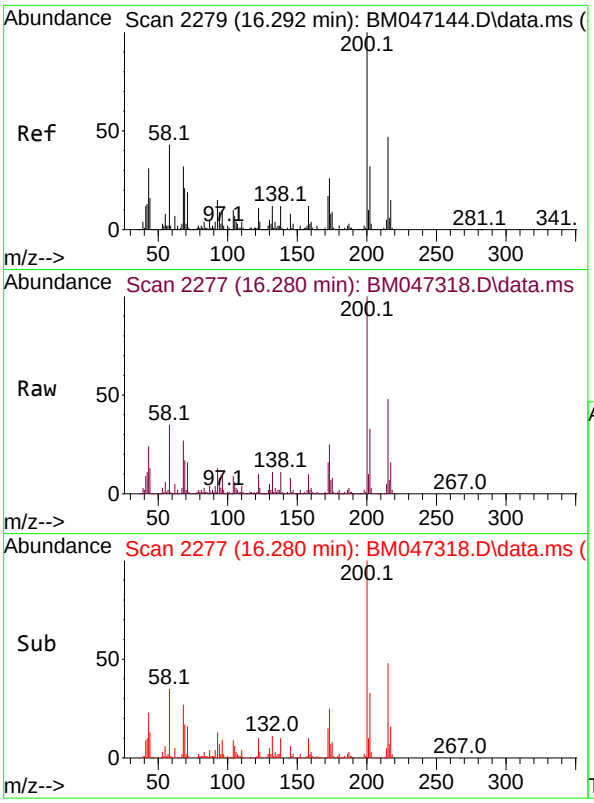


#68
Hexachlorobenzene
Concen: 47.862 ng
RT: 16.086 min Scan# 2244
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:284 Resp: 800582

Ion	Ratio	Lower	Upper
284	100		
142	31.0	29.4	44.0
249	31.0	25.1	37.7



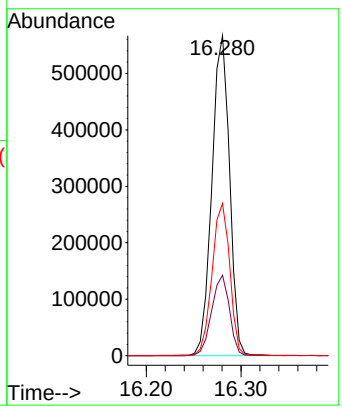


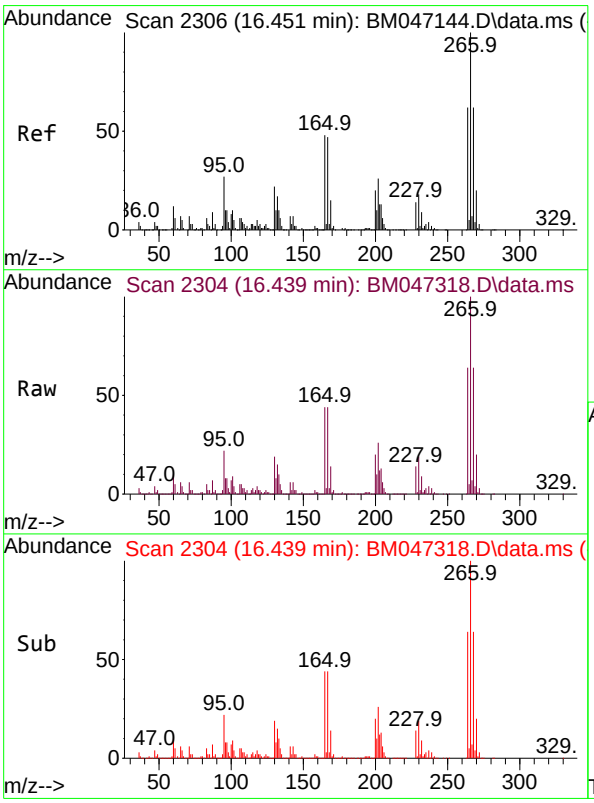
#69
Atrazine
Concen: 61.834 ng
RT: 16.280 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:200 Resp: 734557

Ion	Ratio	Lower	Upper
200	100		
173	25.2	6.1	46.1
215	47.6	26.8	66.8

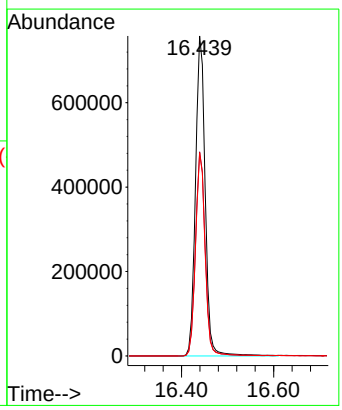


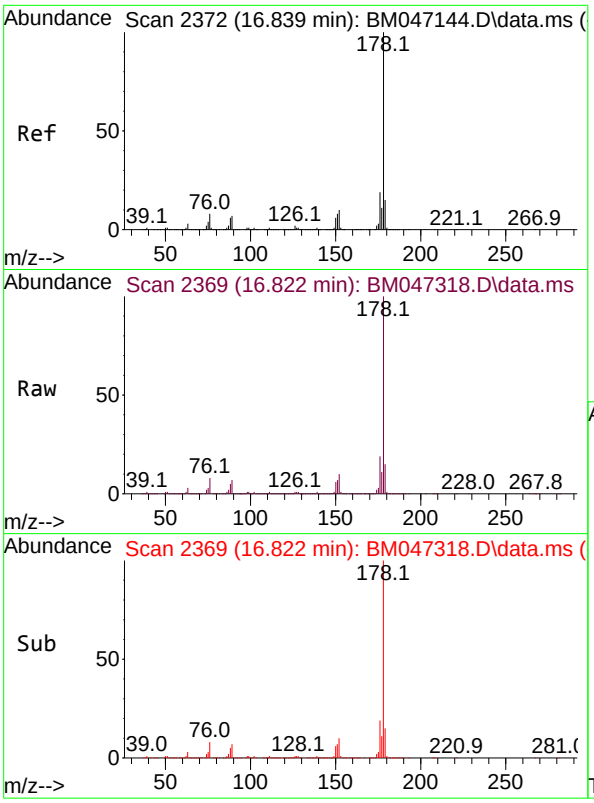


#70
Pentachlorophenol
Concen: 94.306 ng
RT: 16.439 min Scan# 2304
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:266 Resp: 1105763

Ion	Ratio	Lower	Upper
266	100		
268	63.8	49.8	74.6
264	63.5	49.6	74.4



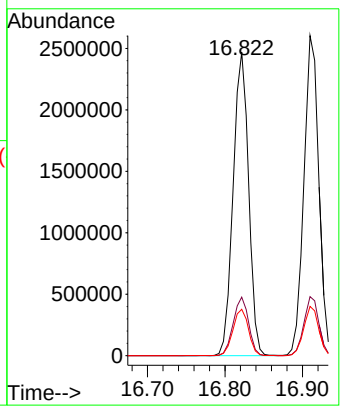


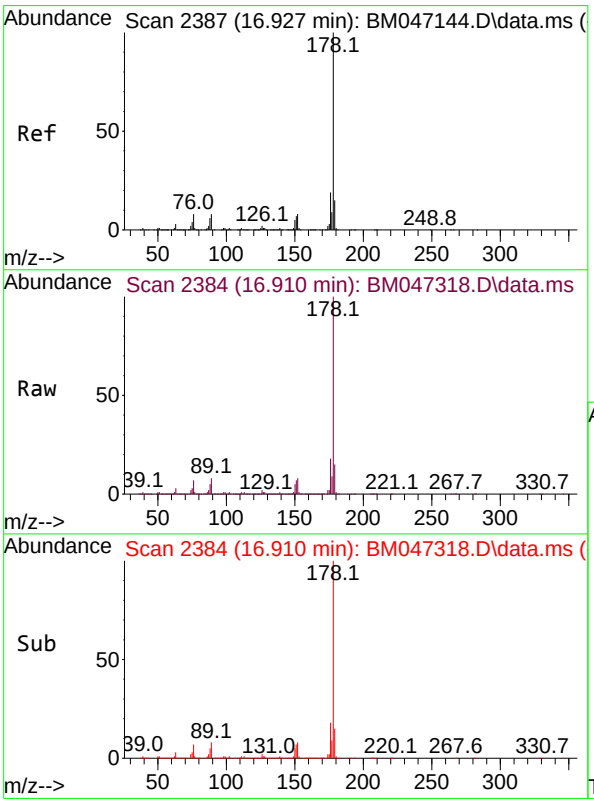
#71
Phenanthrene
Concen: 47.215 ng
RT: 16.822 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:178 Resp: 3434310

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.3	12.4	18.6

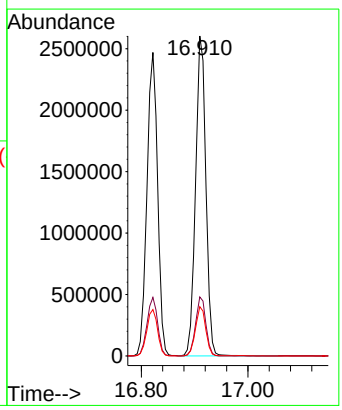


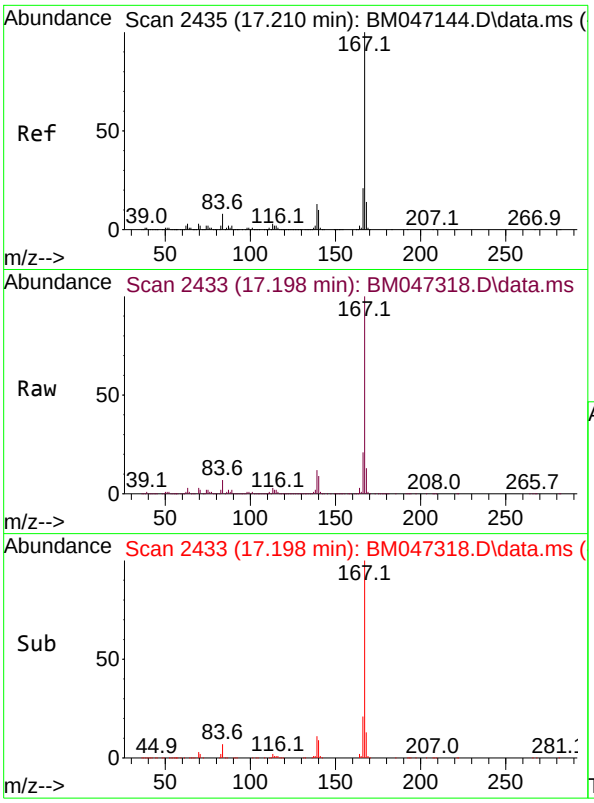


#72
Anthracene
Concen: 49.535 ng
RT: 16.910 min Scan# 2384
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:178 Resp: 3505828

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.4	12.4	18.6



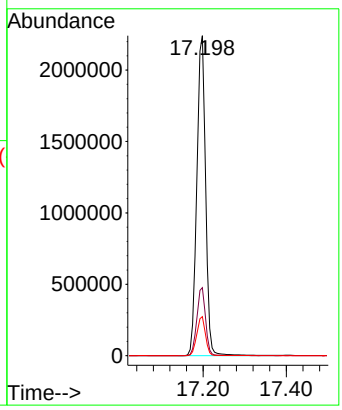


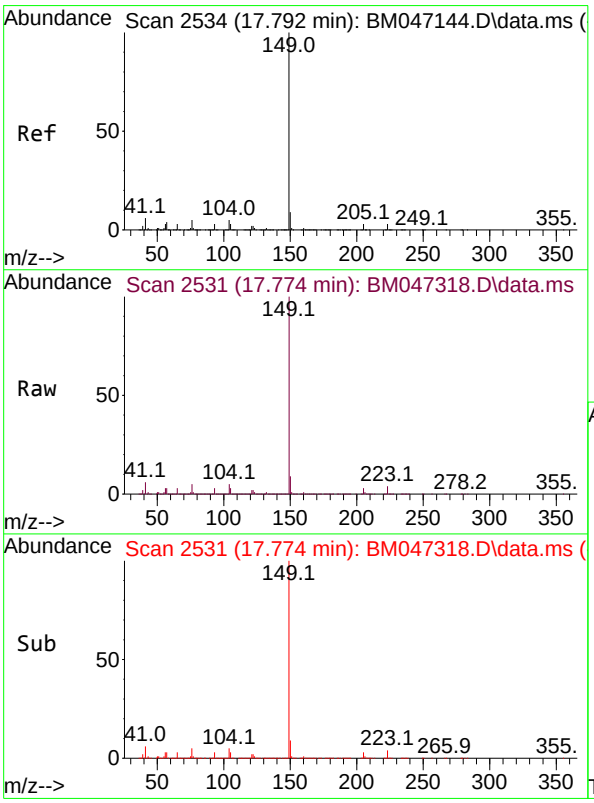
#73
Carbazole
Concen: 45.620 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:167 Resp: 3296660

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	12.2	10.0	15.0

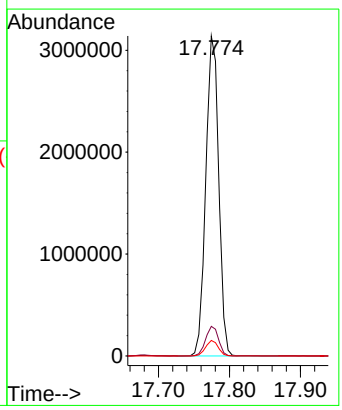


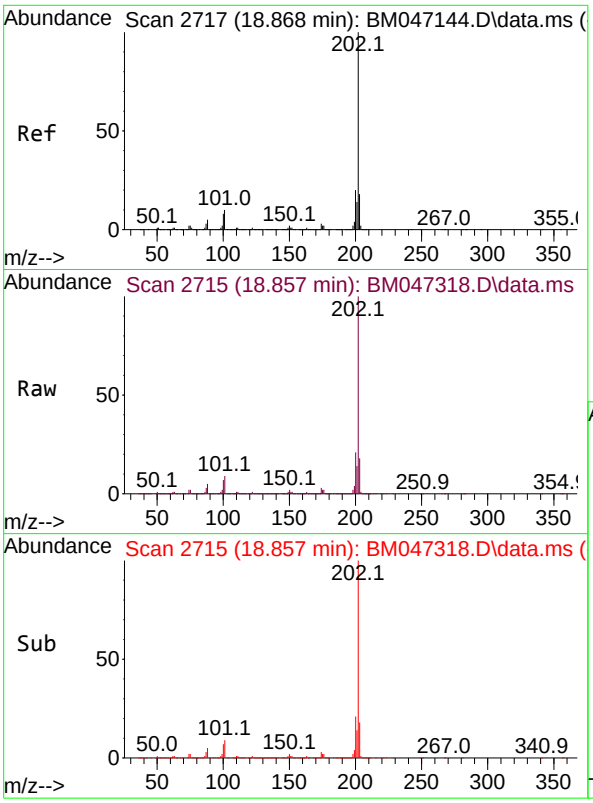


#74
Di-n-butylphthalate
Concen: 47.262 ng
RT: 17.774 min Scan# 2531
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:149 Resp: 3973956

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	4.9	4.1	6.1



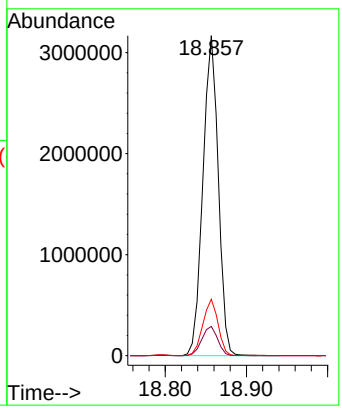


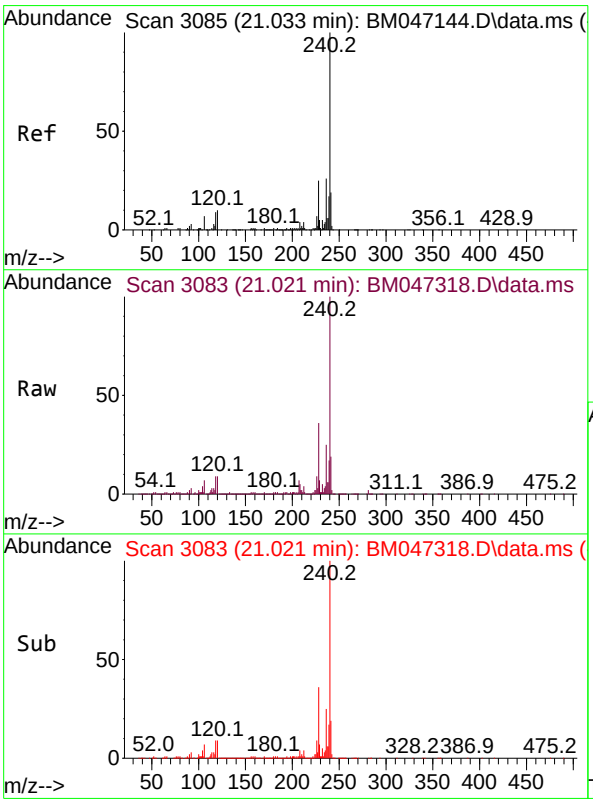
#75
Fluoranthene
Concen: 46.916 ng
RT: 18.857 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:202 Resp: 4150827

Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	30.2
203	17.6	0.0	37.6

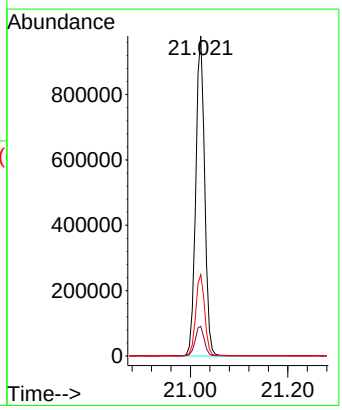


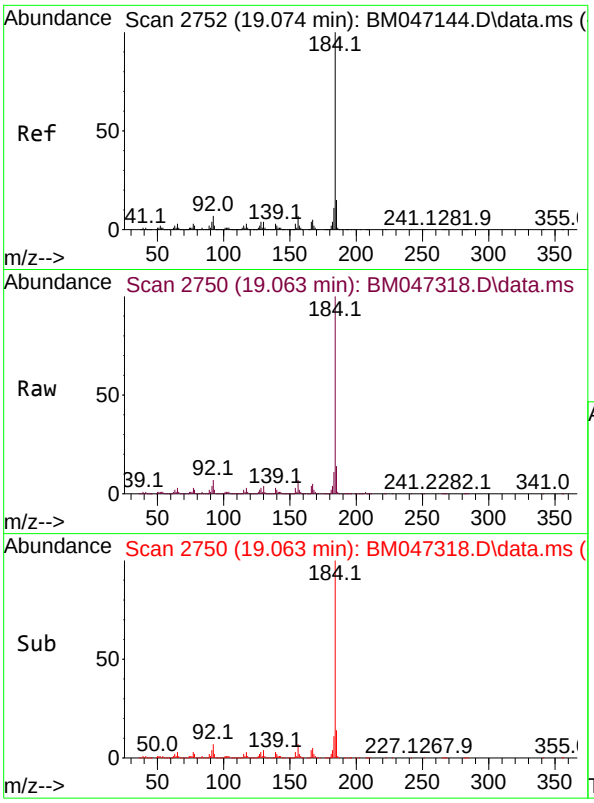


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:240 Resp: 1253561

Ion	Ratio	Lower	Upper
240	100		
120	9.2	8.2	12.2
236	25.4	20.6	30.8



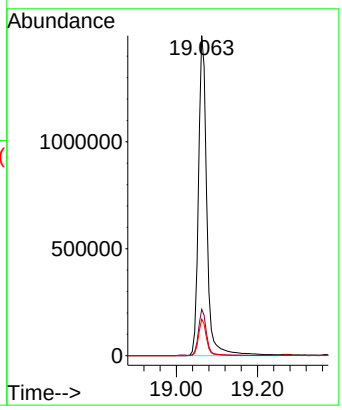


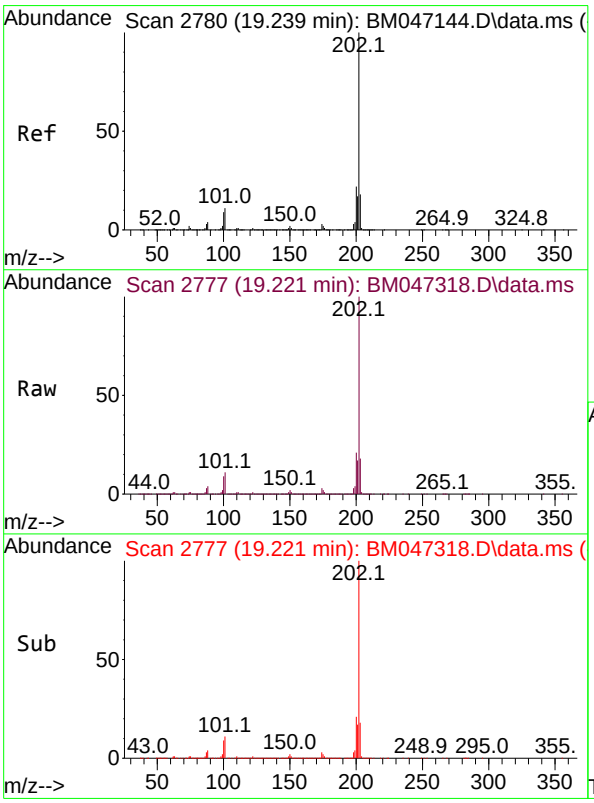
#77
Benzidine
Concen: 101.578 ng
RT: 19.063 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:184 Resp: 2159384

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.8	17.6
183	11.4	9.0	13.6

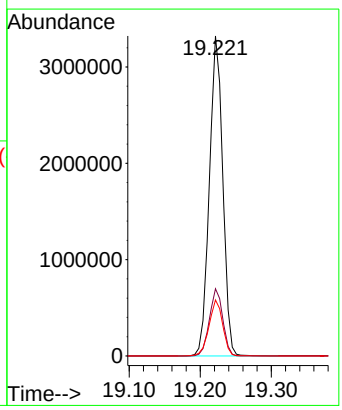


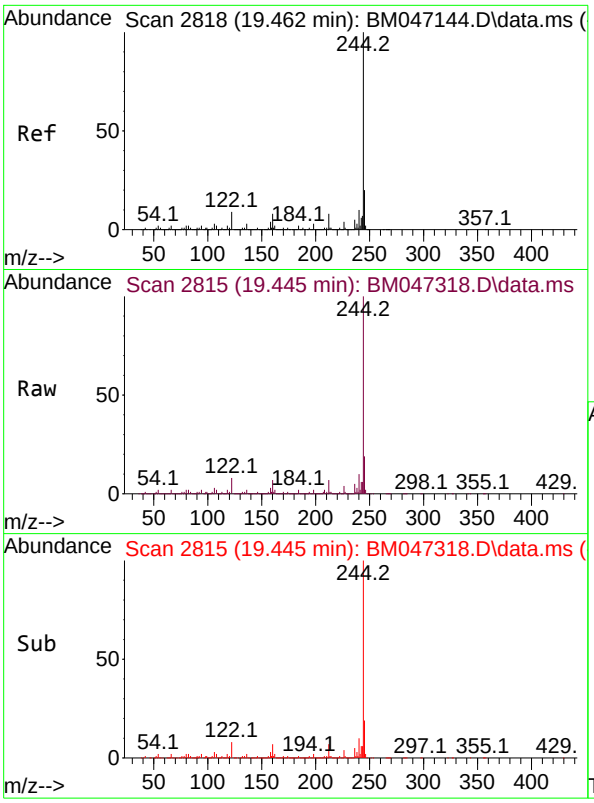


#78
Pyrene
Concen: 48.698 ng
RT: 19.221 min Scan# 2777
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:202 Resp: 4358812

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	17.5	14.2	21.2



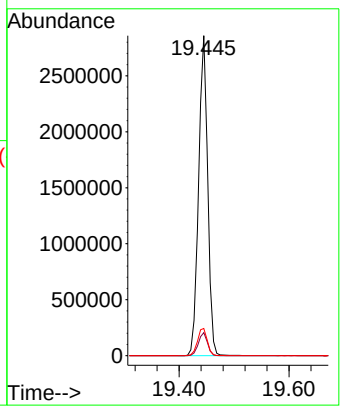


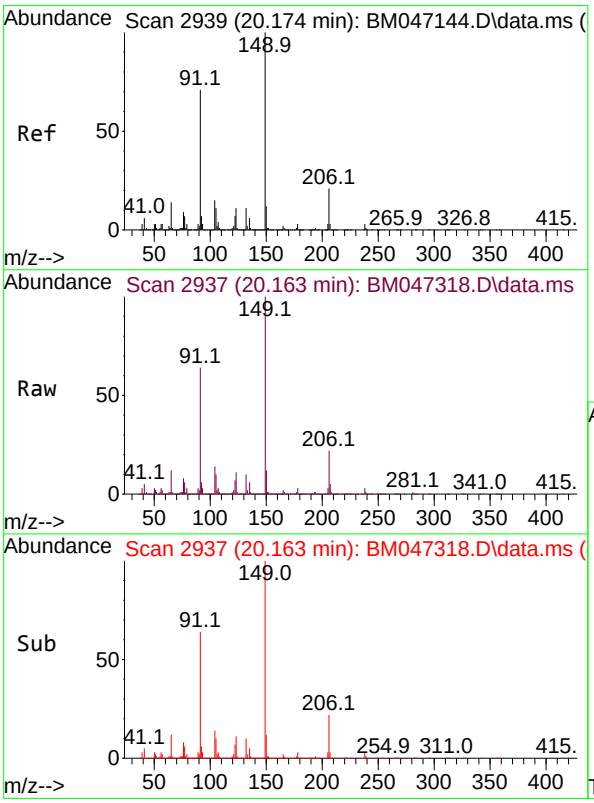
#79
Terphenyl-d14
Concen: 56.327 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:244 Resp: 3295249

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.4
122	8.5	7.1	10.7

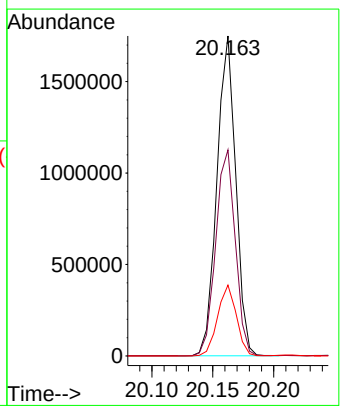


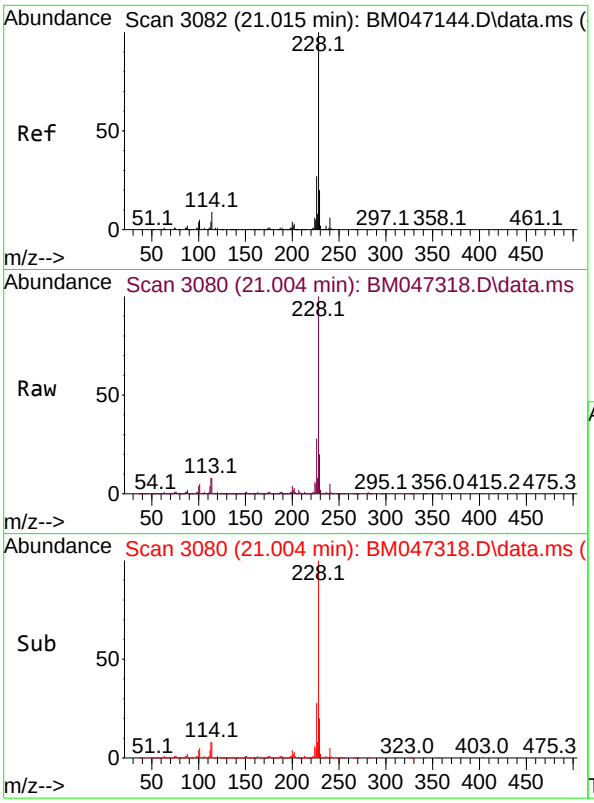


#80
Butylbenzylphthalate
Concen: 51.651 ng
RT: 20.163 min Scan# 2937
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:149 Resp: 1886712

Ion	Ratio	Lower	Upper
149	100		
91	64.4	57.0	85.4
206	22.2	16.4	24.6



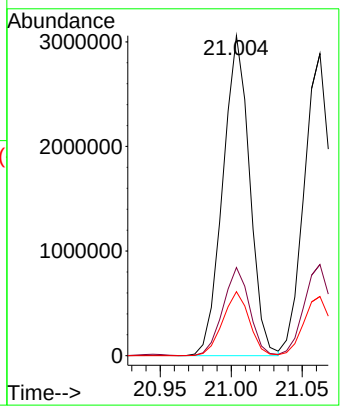


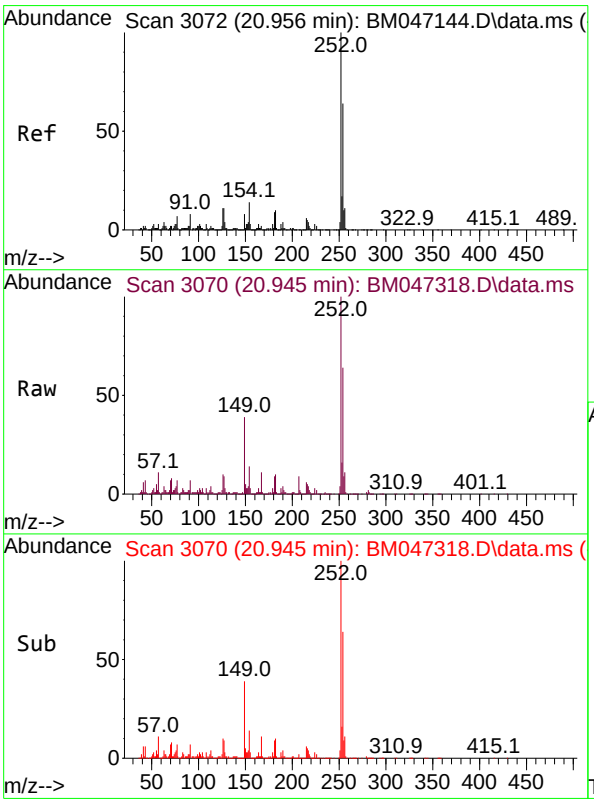
#81
Benzo(a)anthracene
Concen: 48.273 ng
RT: 21.004 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:228 Resp: 4017187

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.6
229	20.0	15.8	23.8

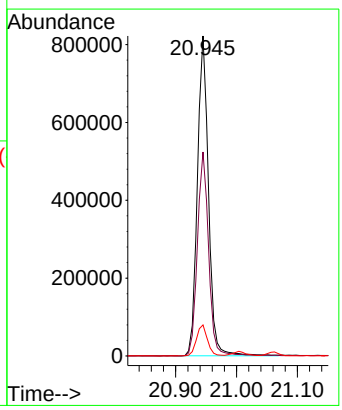


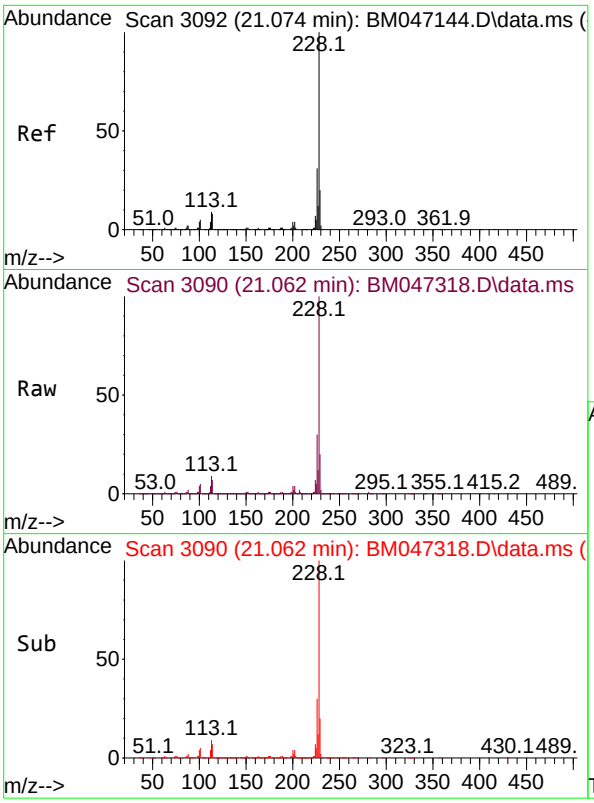


#82
3,3'-Dichlorobenzidine
Concen: 39.944 ng
RT: 20.945 min Scan# 3070
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:252 Resp: 1040038

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.0	76.6
126	9.7	8.5	12.7



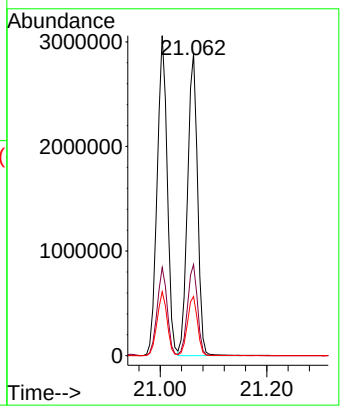


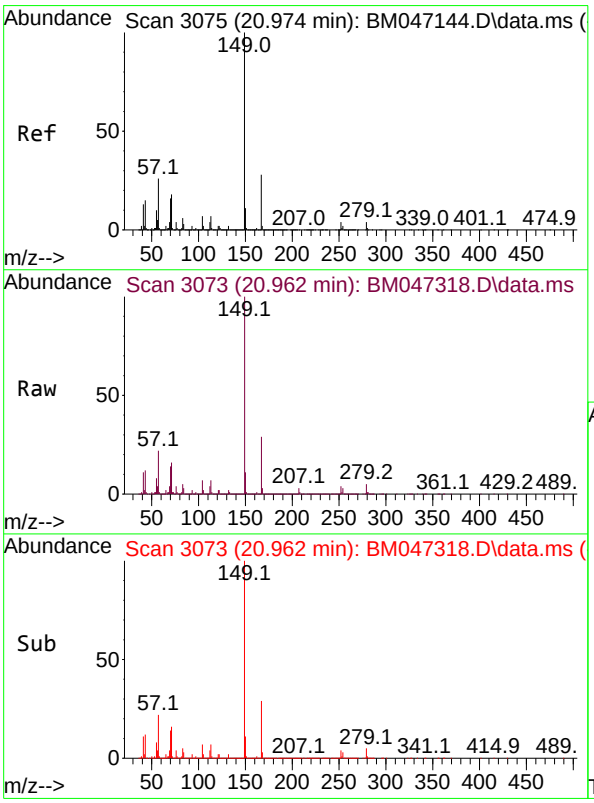
#83
Chrysene
Concen: 47.624 ng
RT: 21.062 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:228 Resp: 3760179

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.4	36.6
229	19.6	15.7	23.5

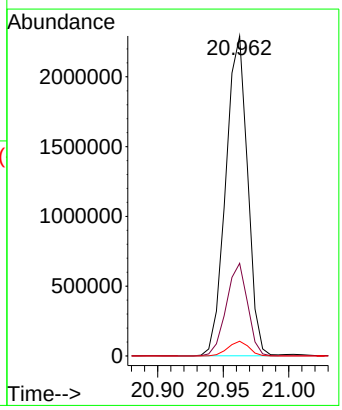


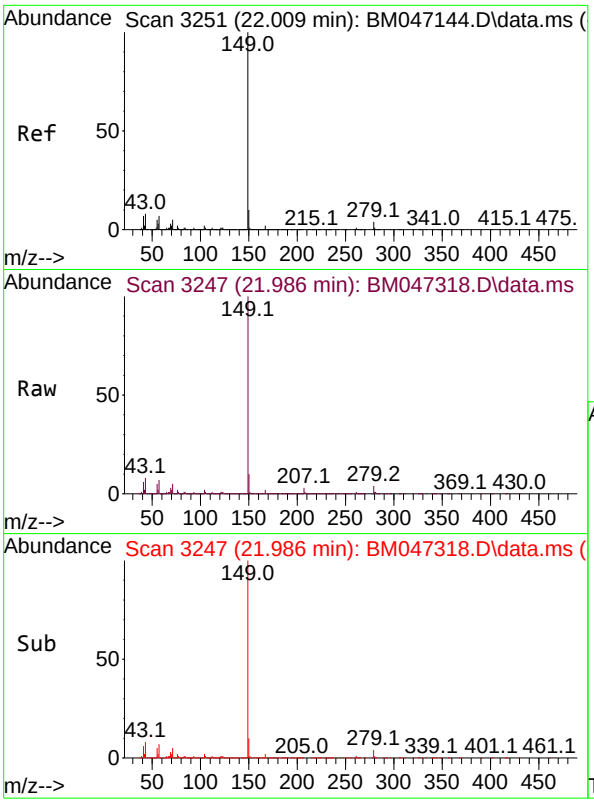


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.184 ng
RT: 20.962 min Scan# 3073
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:149 Resp: 2651474

Ion	Ratio	Lower	Upper
149	100		
167	29.0	22.2	33.2
279	4.6	3.0	4.4#



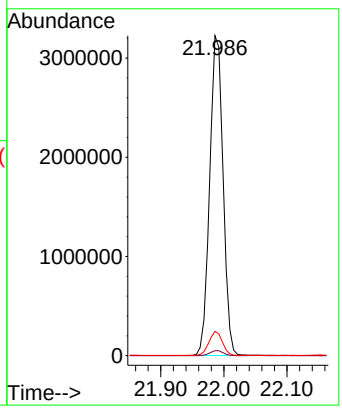


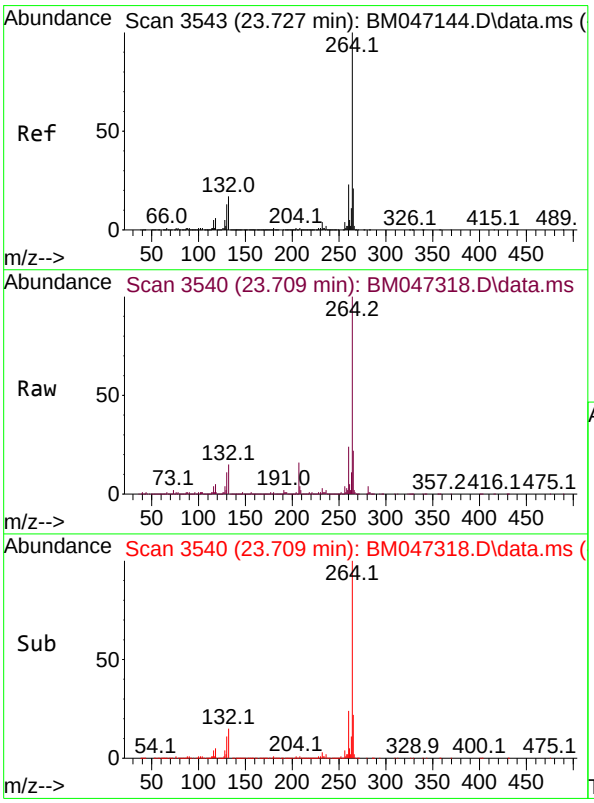
#85
Di-n-octyl phthalate
Concen: 53.891 ng
RT: 21.986 min Scan# 3
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:149 Resp: 4745110

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.4	6.9	10.3

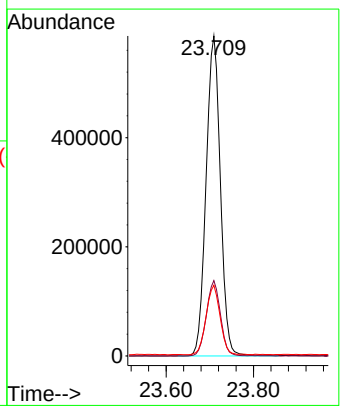


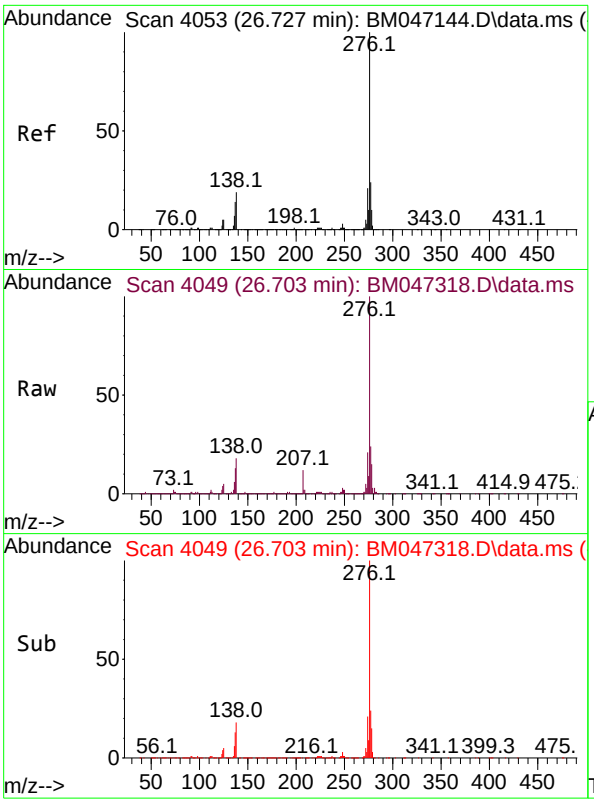


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.709 min Scan# 3540
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:264 Resp: 1332024

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.5	27.7
265	22.1	17.3	25.9



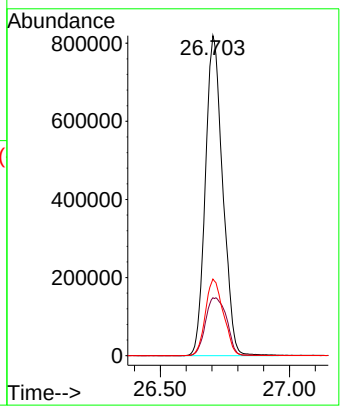


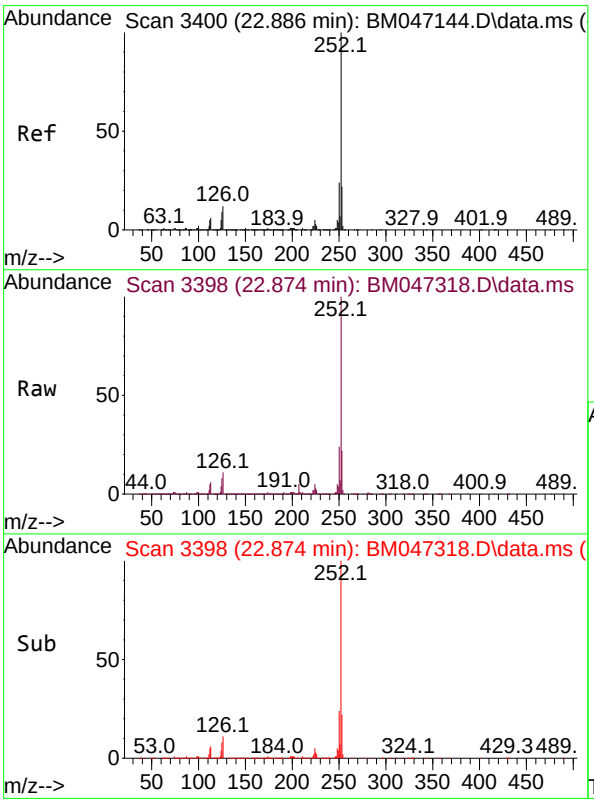
#87
Indeno(1,2,3-cd)pyrene
Concen: 44.365 ng
RT: 26.703 min Scan# 4
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:276 Resp: 3819760

Ion	Ratio	Lower	Upper
276	100		
138	22.0	19.4	29.0
277	24.9	20.1	30.1

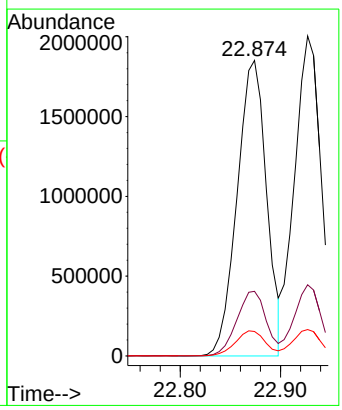


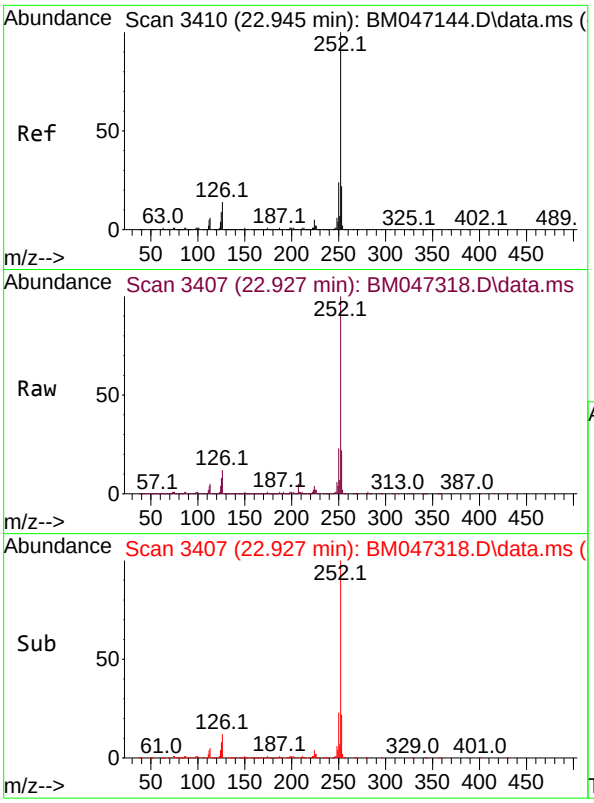


#88
Benzo(b)fluoranthene
Concen: 47.761 ng
RT: 22.874 min Scan# 3398
Delta R.T. -0.012 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:252 Resp: 3778045

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	8.3	7.4	11.0



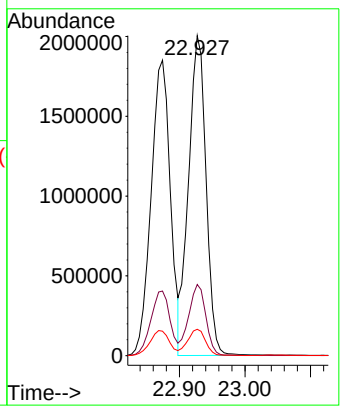


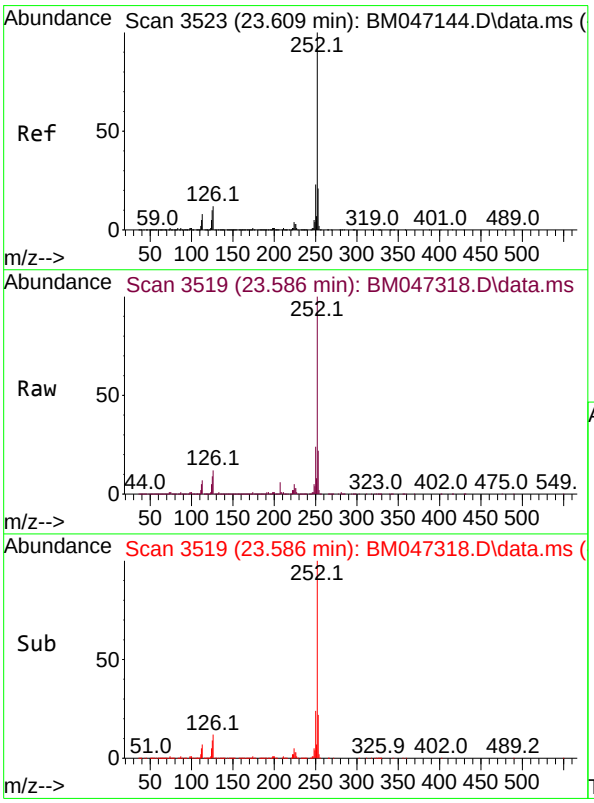
#89
Benzo(k)fluoranthene
Concen: 49.647 ng
RT: 22.927 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:252 Resp: 3709462

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	8.3	7.4	11.2

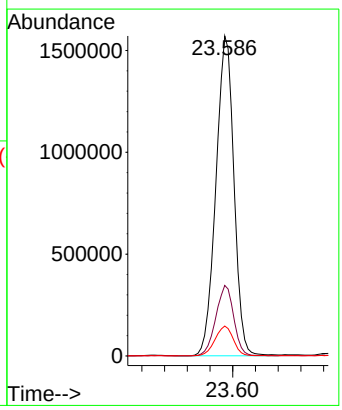


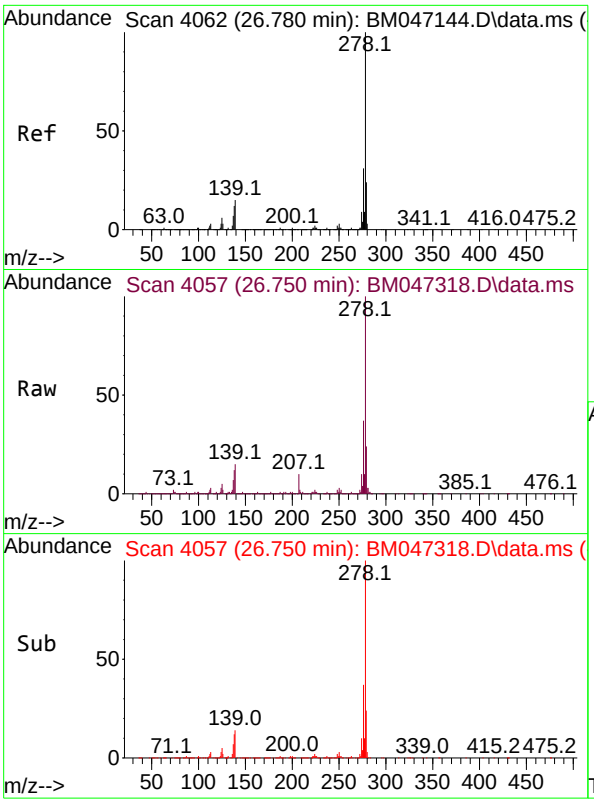


#90
Benzo(a)pyrene
Concen: 50.586 ng
RT: 23.586 min Scan# 3519
Delta R.T. -0.023 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:252 Resp: 3466386

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	9.4	8.2	12.2



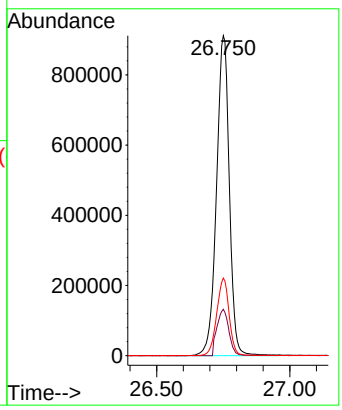


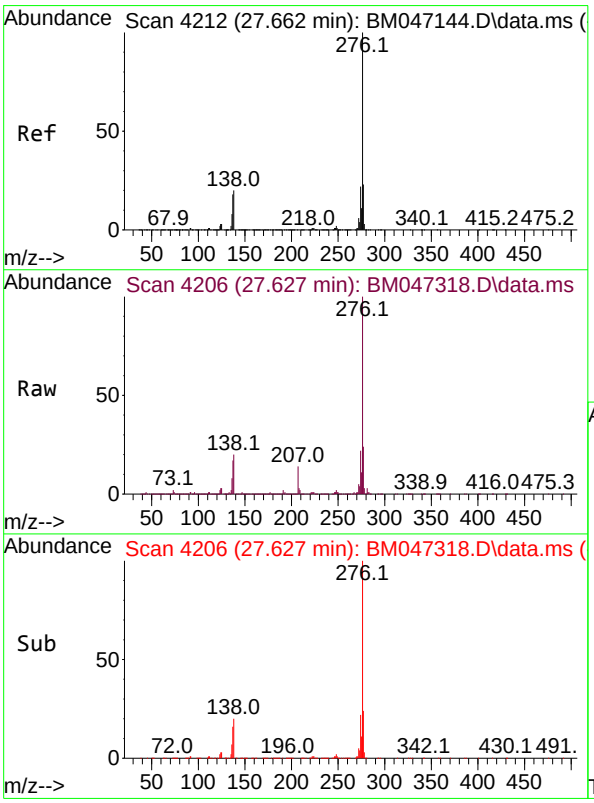
#91
Dibenzo(a,h)anthracene
Concen: 43.779 ng
RT: 26.750 min Scan# 4
Delta R.T. -0.029 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MS

Tgt Ion:278 Resp: 3050435

Ion	Ratio	Lower	Upper
278	100		
139	14.5	12.0	18.0
279	24.3	19.2	28.8

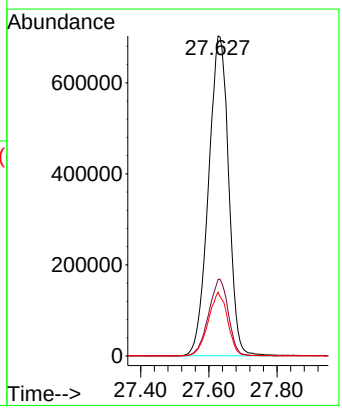




#92
Benzo(g,h,i)perylene
Concen: 39.706 ng
RT: 27.627 min Scan# 4206
Delta R.T. -0.035 min
Lab File: BM047318.D
Acq: 22 Aug 2024 15:50

Tgt Ion:276 Resp: 2872464

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	19.9	16.2	24.4



Raw Data: **BM047319.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-928-K1-SO-0.5-1-081924MSD	SDG No.:	P3671
Lab Sample ID:	P3671-10MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047319.D	1	08/21/24 08:50	08/22/24 16:30	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	2100		140	300	ug/Kg
100-52-7	Benzaldehyde	1800		320	580	ug/Kg
95-48-7	2-Methylphenol	2900		140	300	ug/Kg
65794-96-9	3+4-Methylphenols	2800		140	580	ug/Kg
67-72-1	Hexachloroethane	2700		140	300	ug/Kg
98-95-3	Nitrobenzene	2600		160	300	ug/Kg
91-20-3	Naphthalene	2700		140	300	ug/Kg
87-68-3	Hexachlorobutadiene	3100		150	300	ug/Kg
91-57-6	2-Methylnaphthalene	2800		140	300	ug/Kg
88-06-2	2,4,6-Trichlorophenol	3200		120	300	ug/Kg
95-95-4	2,4,5-Trichlorophenol	3100		130	300	ug/Kg
208-96-8	Acenaphthylene	3000		150	300	ug/Kg
83-32-9	Acenaphthene	2900		140	300	ug/Kg
132-64-9	Dibenzofuran	2900		150	300	ug/Kg
121-14-2	2,4-Dinitrotoluene	2800		150	300	ug/Kg
86-73-7	Fluorene	2800		150	300	ug/Kg
118-74-1	Hexachlorobenzene	3000		150	300	ug/Kg
87-86-5	Pentachlorophenol	5800	E	130	580	ug/Kg
85-01-8	Phenanthrene	2900		150	300	ug/Kg
120-12-7	Anthracene	3100		150	300	ug/Kg
86-74-8	Carbazole	2800		140	300	ug/Kg
84-74-2	Di-n-butylphthalate	2900		150	300	ug/Kg
206-44-0	Fluoranthene	2900		140	300	ug/Kg
129-00-0	Pyrene	3100		140	300	ug/Kg
56-55-3	Benzo(a)anthracene	3000		140	300	ug/Kg
218-01-9	Chrysene	2900		140	300	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	3200		160	300	ug/Kg
205-99-2	Benzo(b)fluoranthene	3000		140	300	ug/Kg
207-08-9	Benzo(k)fluoranthene	3100		140	300	ug/Kg

Raw Data: **BM047319.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-928-K1-SO-0.5-1-081924MSD	SDG No.:	P3671
Lab Sample ID:	P3671-10MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047319.D	1	08/21/24 08:50	08/22/24 16:30	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
50-32-8	Benzo(a)pyrene	3100		160	300	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2800		140	300	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2700		140	300	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2500		140	300	ug/Kg
123-91-1	1,4-Dioxane	2300		190	300	ug/Kg
90-12-0	1-Methylnaphthalene	2700		150	300	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	95.8		30 (18) - 130 (112)	64%	SPK: 150
13127-88-3	Phenol-d6	92.4		30 (15) - 130 (107)	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.6		30 (18) - 130 (107)	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.1		30 (20) - 130 (109)	54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	99.0		30 (10) - 130 (116)	66%	SPK: 150
1718-51-0	Terphenyl-d14	60.6		30 (10) - 130 (105)	61%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	265000	7.351			
1146-65-2	Naphthalene-d8	1030000	10.104			
15067-26-2	Acenaphthene-d10	681000	14.016			
1517-22-2	Phenanthrene-d10	1430000	16.78			
1719-03-5	Chrysene-d12	1220000	21.021			
1520-96-3	Perylene-d12	1270000	23.709			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **BM047319.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047319.D
Acq On : 22 Aug 2024 16:30
Operator : RC/JU
Sample : P3671-10MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Quant Time: Aug 22 17:11:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	265079	20.000	ng	-0.02
21) Naphthalene-d8	10.104	136	1032290	20.000	ng	-0.03
39) Acenaphthene-d10	14.016	164	681146	20.000	ng	-0.02
64) Phenanthrene-d10	16.780	188	1434686	20.000	ng	-0.01
76) Chrysene-d12	21.021	240	1216241	20.000	ng	-0.01
86) Perylene-d12	23.709	264	1268089	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1421525	95.822	ng	-0.01
7) Phenol-d6	6.575	99	1888082	92.365	ng	-0.01
23) Nitrobenzene-d5	8.504	82	1222455	59.629	ng	-0.02
42) 2,4,6-Tribromophenol	15.527	330	781922	99.003	ng	-0.01
45) 2-Fluorobiphenyl	12.621	172	2387226	54.061	ng	-0.02
79) Terphenyl-d14	19.445	244	3439615	60.599	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.022	88	245607	39.957	ng	96
3) Pyridine	3.393	79	648228	35.964	ng	97
4) n-Nitrosodimethylamine	3.316	42	323436	41.072	ng	97
6) Aniline	6.704	93	734986	38.041	ng	98
8) 2-Chlorophenol	6.928	128	836899	51.723	ng	99
9) Benzaldehyde	6.516	77	364315	31.114	ng	99
10) Phenol	6.598	94	981908	48.140	ng	97
11) bis(2-Chloroethyl)ether	6.804	93	783154	44.835	ng	98
12) 1,3-Dichlorobenzene	7.239	146	893487	46.470	ng	98
13) 1,4-Dichlorobenzene	7.387	146	906338	46.557	ng	99
14) 1,2-Dichlorobenzene	7.692	146	882217	48.030	ng	99
15) Benzyl Alcohol	7.610	79	747074	51.352	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.875	45	983506	43.879	ng	98
17) 2-Methylphenol	7.816	107	681096	50.052	ng	98
18) Hexachloroethane	8.404	117	343812	45.594	ng	93
19) n-Nitroso-di-n-propyla...	8.163	70	595604	43.257	ng	98
20) 3+4-Methylphenols	8.145	107	922291	48.481	ng	99
22) Acetophenone	8.175	105	1137192	45.638	ng	99
24) Nitrobenzene	8.545	77	915179	44.333	ng	96
25) Isophorone	9.069	82	1687583	47.277	ng	98
26) 2-Nitrophenol	9.239	139	483432	52.879	ng	96
27) 2,4-Dimethylphenol	9.328	122	675765	63.102	ng	99
28) bis(2-Chloroethoxy)met...	9.551	93	1064554	47.397	ng	99
29) 2,4-Dichlorophenol	9.781	162	882288	55.526	ng	98
30) 1,2,4-Trichlorobenzene	9.975	180	882796	49.093	ng	100
31) Naphthalene	10.157	128	2414511	46.952	ng	100
32) Benzoic acid	9.528	122	623426	50.107	ng	98
33) 4-Chloroaniline	10.286	127	448160	22.662	ng	98
34) Hexachlorobutadiene	10.439	225	559176	53.128	ng	100
35) Caprolactam	11.104	113	273274	49.522	ng	92
36) 4-Chloro-3-methylphenol	11.445	107	853863	50.457	ng	99
37) 2-Methylnaphthalene	11.786	142	1766683	48.251	ng	99
38) 1-Methylnaphthalene	12.010	142	1667187	46.072	ng	97
40) 1,2,4,5-Tetrachloroben...	12.169	216	989566	53.264	ng	99
41) Hexachlorocyclopentadiene	12.139	237	1125632	173.510	ng	98
43) 2,4,6-Trichlorophenol	12.427	196	729631	55.254	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047319.D
Acq On : 22 Aug 2024 16:30
Operator : RC/JU
Sample : P3671-10MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Quant Time: Aug 22 17:11:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

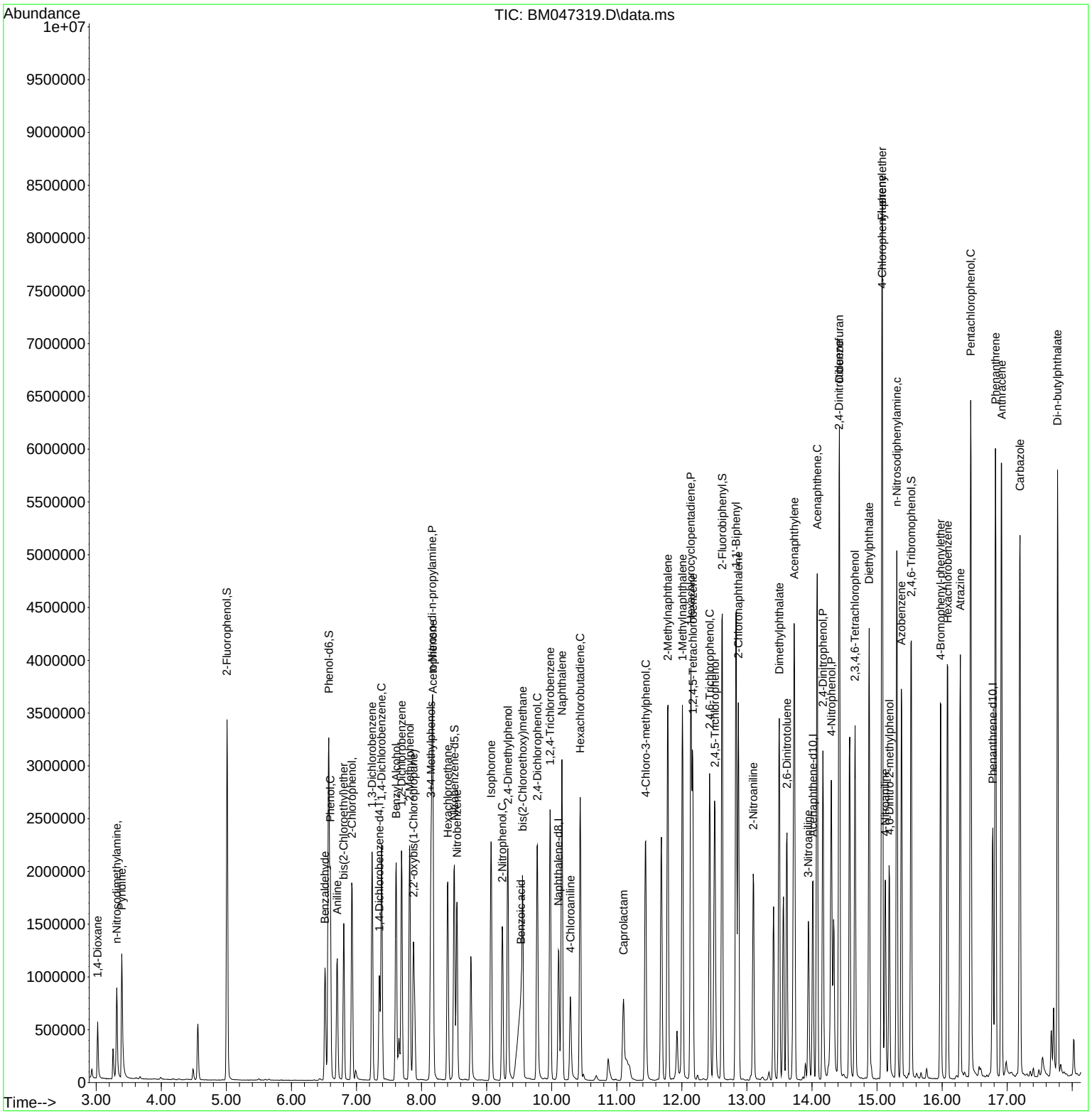
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.510	196	780589	53.240	ng		97
46) 1,1'-Biphenyl	12.833	154	2324580	47.938	ng		98
47) 2-Chloronaphthalene	12.869	162	1799865	47.488	ng		99
48) 2-Nitroaniline	13.098	65	563130	47.426	ng		98
49) Acenaphthylene	13.727	152	2881005	51.568	ng		99
50) Dimethylphthalate	13.498	163	2379344	50.016	ng		99
51) 2,6-Dinitrotoluene	13.616	165	540482	48.602	ng		88
52) Acenaphthene	14.080	154	1751103	49.412	ng		99
53) 3-Nitroaniline	13.945	138	390033	35.002	ng		98
54) 2,4-Dinitrophenol	14.168	184	750464	112.597	ng		90
55) Dibenzofuran	14.421	168	2783013	49.717	ng		98
56) 4-Nitrophenol	14.298	139	902428	93.916	ng		98
57) 2,4-Dinitrotoluene	14.415	165	718414	48.400	ng		97
58) Fluorene	15.074	166	2233074	48.348	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.663	232	679116	56.359	ng		93
60) Diethylphthalate	14.880	149	2336527	48.097	ng		98
61) 4-Chlorophenyl-phenyle...	15.080	204	1111002	50.526	ng		96
62) 4-Nitroaniline	15.127	138	504709	45.975	ng		94
63) Azobenzene	15.374	77	2091378	45.404	ng		96
65) 4,6-Dinitro-2-methylph...	15.192	198	468157	55.734	ng		87
66) n-Nitrosodiphenylamine	15.304	169	1976912	50.590	ng		99
67) 4-Bromophenyl-phenylether	15.980	248	735182	53.178	ng		96
68) Hexachlorobenzene	16.086	284	846570	51.129	ng		93
69) Atrazine	16.280	200	767123	65.237	ng		99
70) Pentachlorophenol	16.439	266	1167237	100.568	ng		99
71) Phenanthrene	16.821	178	3584059	49.778	ng		100
72) Anthracene	16.915	178	3674292	52.446	ng		100
73) Carbazole	17.198	167	3428450	47.929	ng		99
74) Di-n-butylphthalate	17.774	149	4152848	49.895	ng		100
75) Fluoranthene	18.856	202	4368791	49.885	ng		99
77) Benzidine	19.062	184	2268236	109.972	ng		99
78) Pyrene	19.221	202	4576440	52.698	ng		99
80) Butylbenzylphthalate	20.162	149	1972160	55.647	ng		94
81) Benzo(a)anthracene	21.003	228	4149843	51.397	ng		99
82) 3,3'-Dichlorobenzidine	20.944	252	1069129	42.321	ng		99
83) Chrysene	21.062	228	3858865	50.374	ng		99
84) Bis(2-ethylhexyl)phtha...	20.962	149	2757138	54.857	ng	#	98
85) Di-n-octyl phthalate	21.986	149	4848697	56.757	ng		98
87) Indeno(1,2,3-cd)pyrene	26.709	276	3884310	47.389	ng		98
88) Benzo(b)fluoranthene	22.874	252	3834235	50.915	ng		99
89) Benzo(k)fluoranthene	22.927	252	3779869	53.140	ng		99
90) Benzo(a)pyrene	23.585	252	3511970	53.835	ng		99
91) Dibenzo(a,h)anthracene	26.750	278	3107788	46.851	ng		99
92) Benzo(g,h,i)perylene	27.632	276	2936041	42.631	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047319.D
Acq On : 22 Aug 2024 16:30
Operator : RC/JU
Sample : P3671-10MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

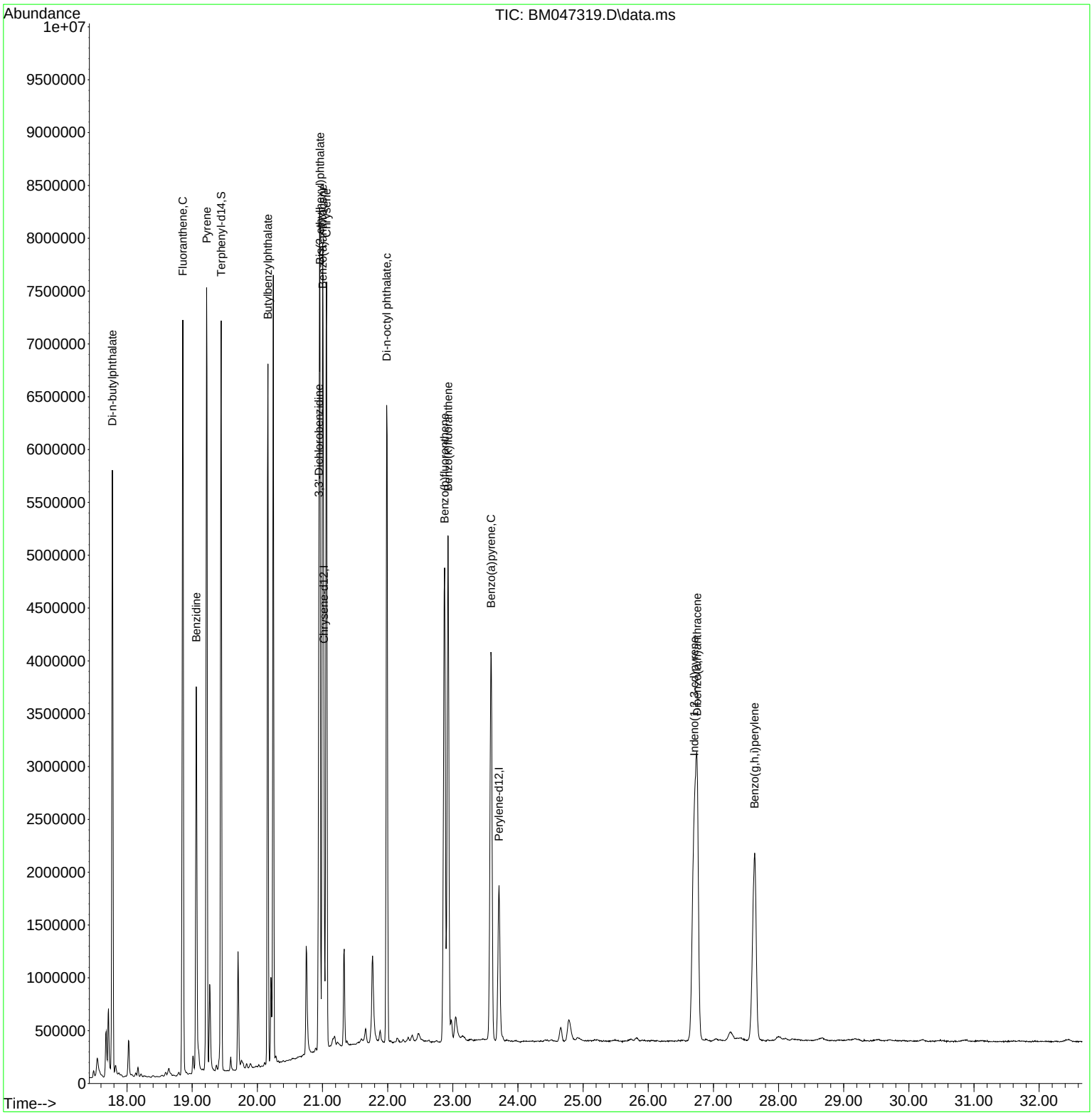
Quant Time: Aug 22 17:11:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

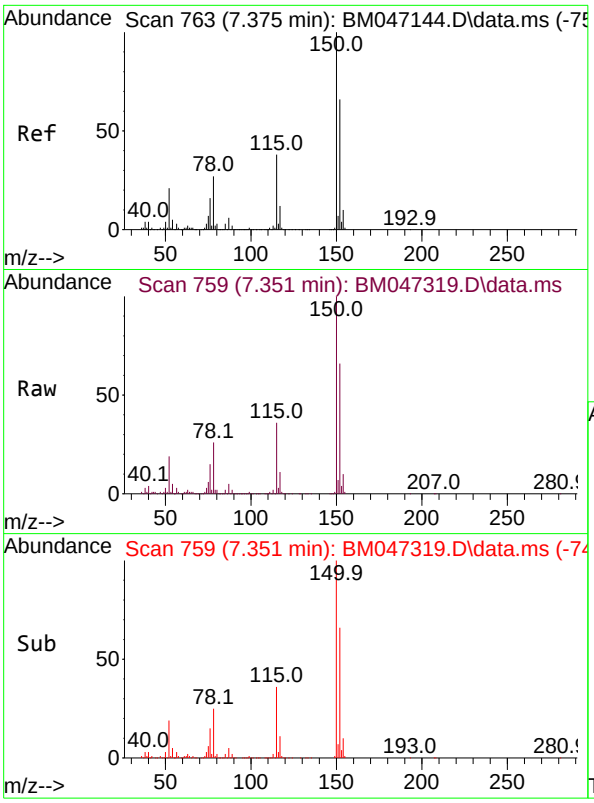


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082224\
Data File : BM047319.D
Acq On : 22 Aug 2024 16:30
Operator : RC/JU
Sample : P3671-10MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Quant Time: Aug 22 17:11:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration



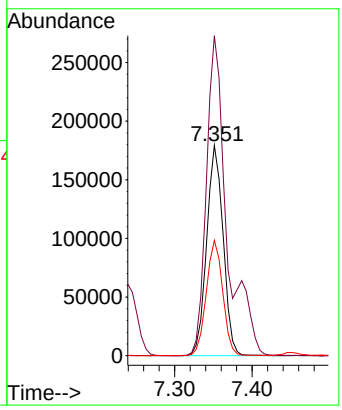


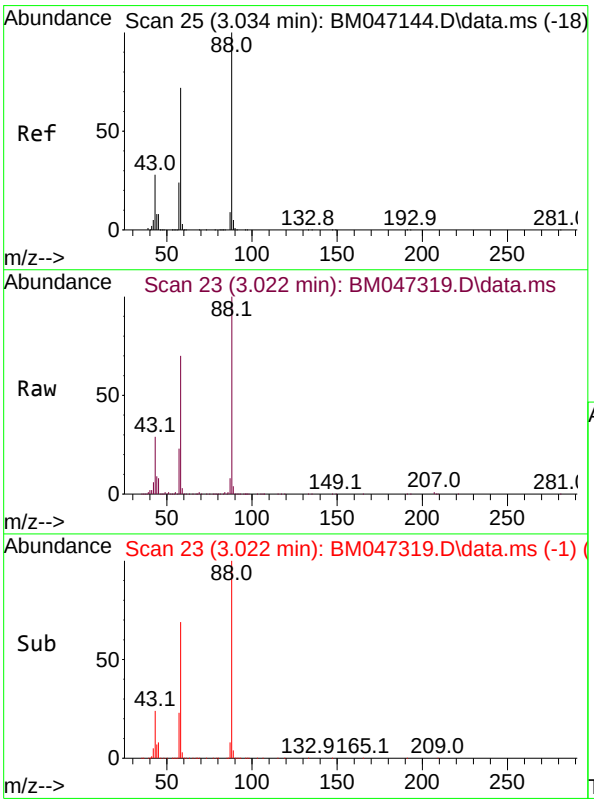
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 7
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:152 Resp: 265079

Ion	Ratio	Lower	Upper
152	100		
150	152.2	120.5	180.7
115	54.9	45.5	68.3

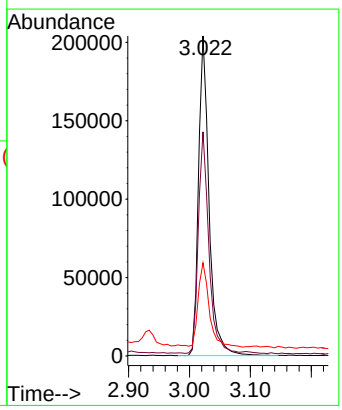


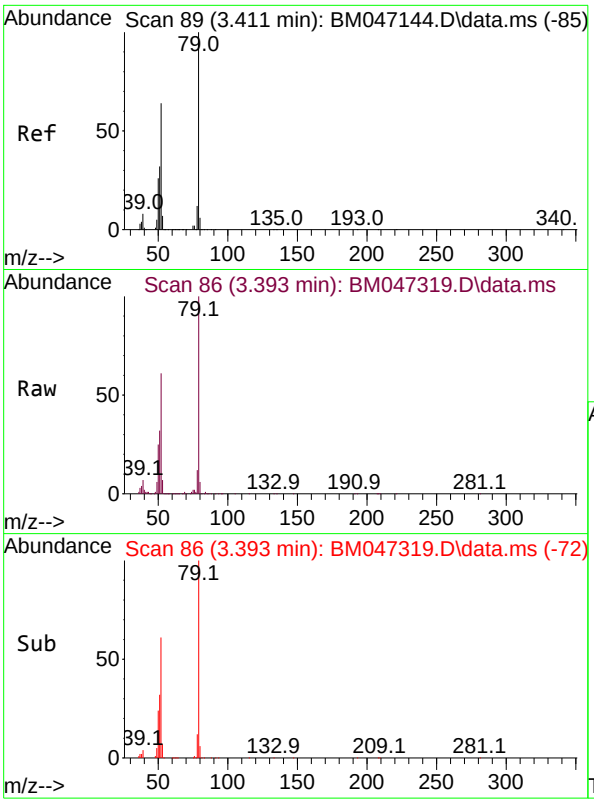


#2
1,4-Dioxane
Concen: 39.957 ng
RT: 3.022 min Scan# 23
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion: 88 Resp: 245607

Ion	Ratio	Lower	Upper
88	100		
58	68.8	58.2	87.4
43	27.7	22.5	33.7



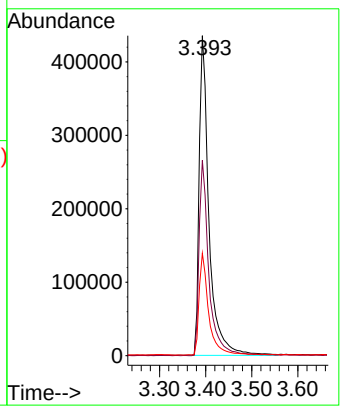


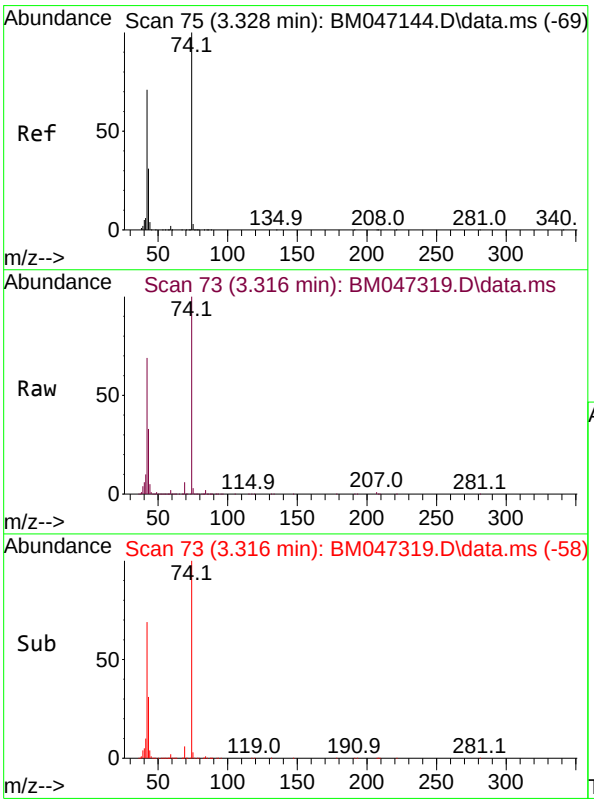
#3
Pyridine
Concen: 35.964 ng
RT: 3.393 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion: 79 Resp: 648228

Ion	Ratio	Lower	Upper
79	100		
52	61.0	51.2	76.8
51	32.0	26.1	39.1

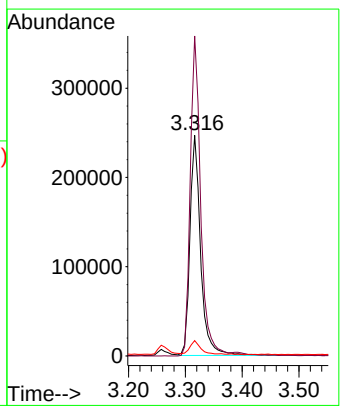


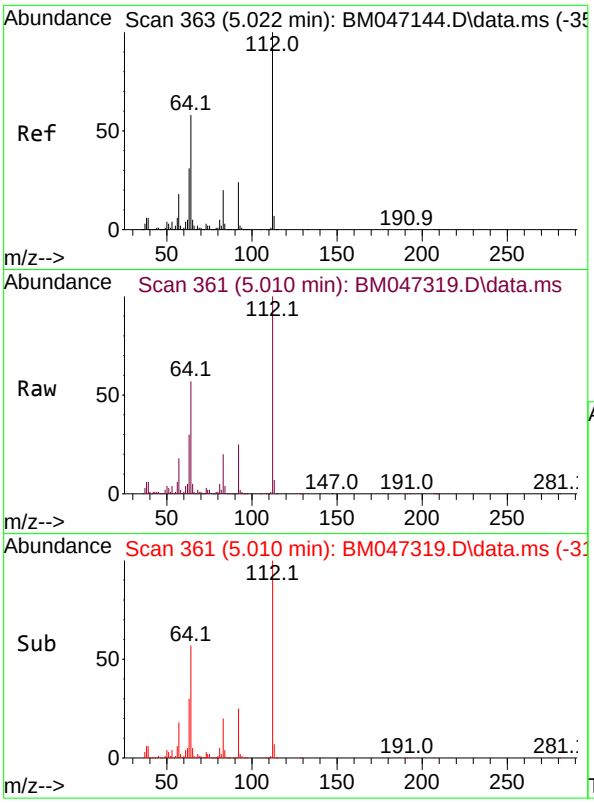


#4
n-Nitrosodimethylamine
Concen: 41.072 ng
RT: 3.316 min Scan# 73
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion: 42 Resp: 323436

Ion	Ratio	Lower	Upper
42	100		
74	145.0	112.9	169.3
44	7.0	5.3	7.9



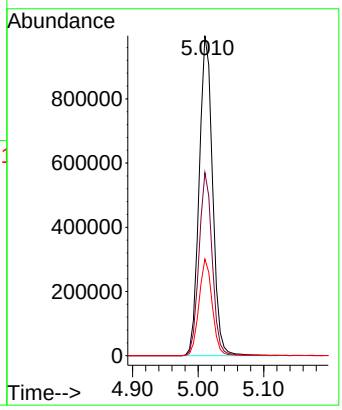


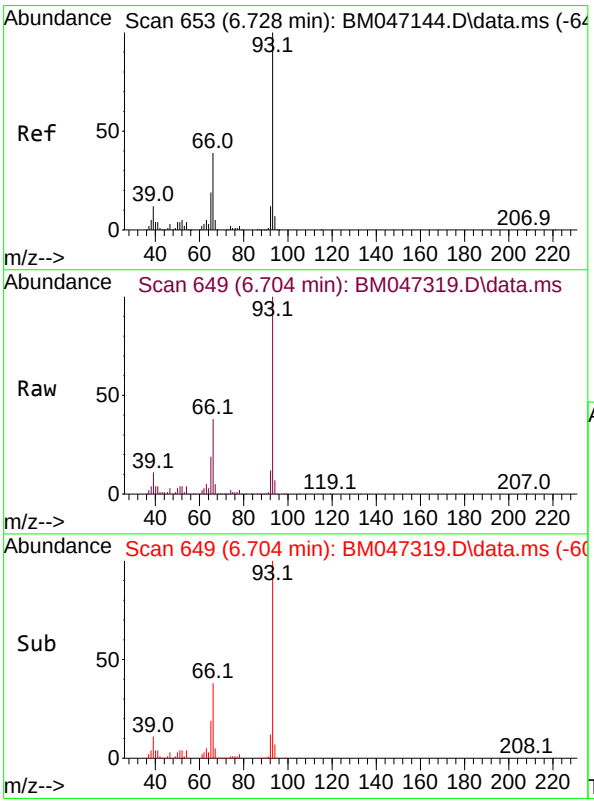
#5
2-Fluorophenol
Concen: 95.822 ng
RT: 5.010 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:112 Resp: 1421525

Ion	Ratio	Lower	Upper
112	100		
64	57.2	46.7	70.1
63	30.2	24.8	37.2

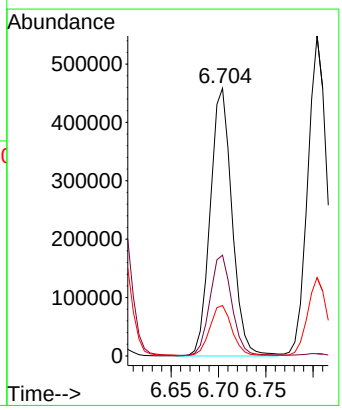


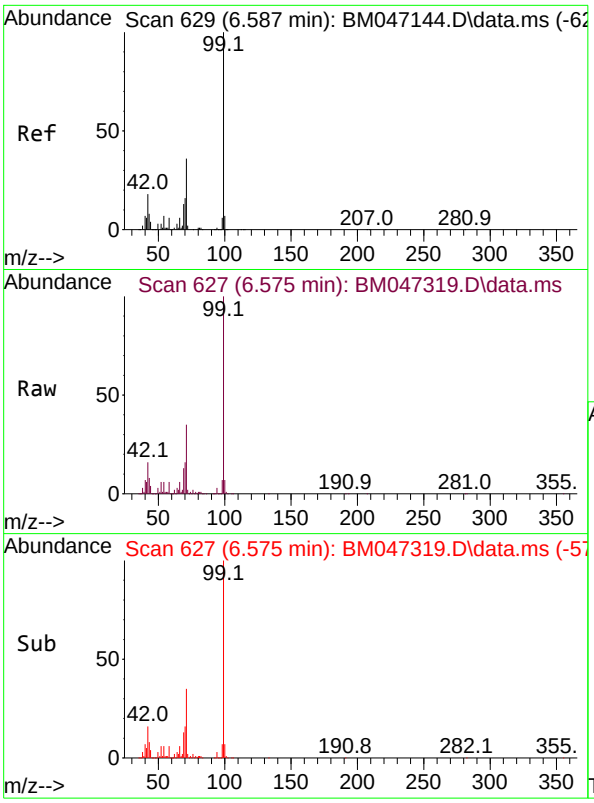


#6
Aniline
Concen: 38.041 ng
RT: 6.704 min Scan# 649
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion: 93 Resp: 734986

Ion	Ratio	Lower	Upper
93	100		
66	37.6	31.4	47.2
65	18.8	15.6	23.4



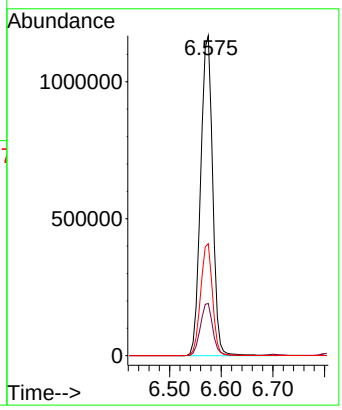


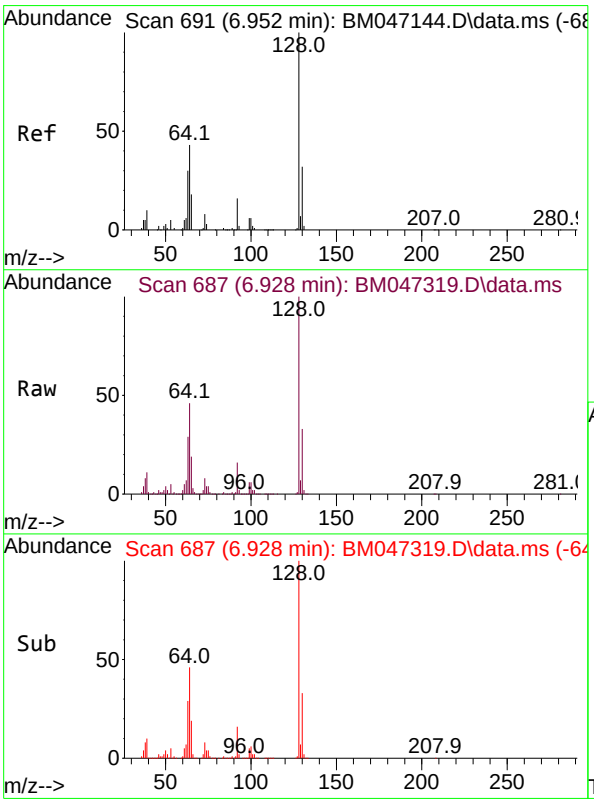
#7
Phenol-d6
Concen: 92.365 ng
RT: 6.575 min Scan# 6
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion: 99 Resp: 1888082

Ion	Ratio	Lower	Upper
99	100		
42	16.3	14.1	21.1
71	35.0	28.5	42.7

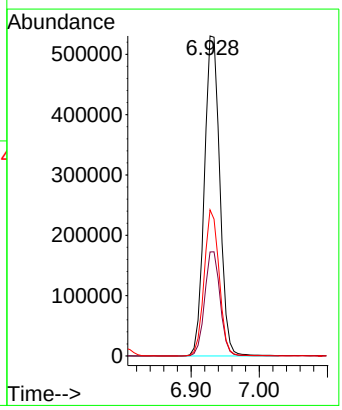


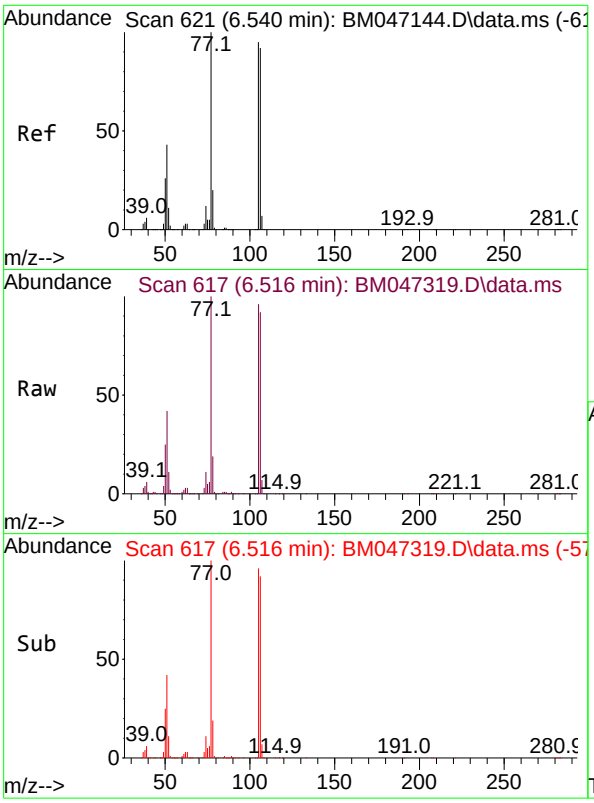


#8
2-Chlorophenol
Concen: 51.723 ng
RT: 6.928 min Scan# 687
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:128 Resp: 836899

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.1	52.1
64	45.7	26.6	66.6



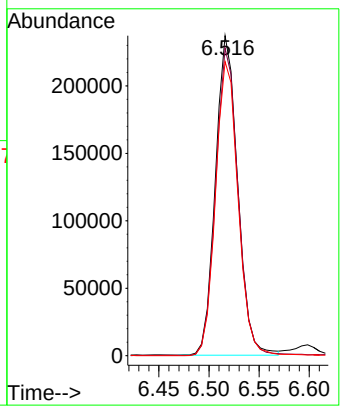


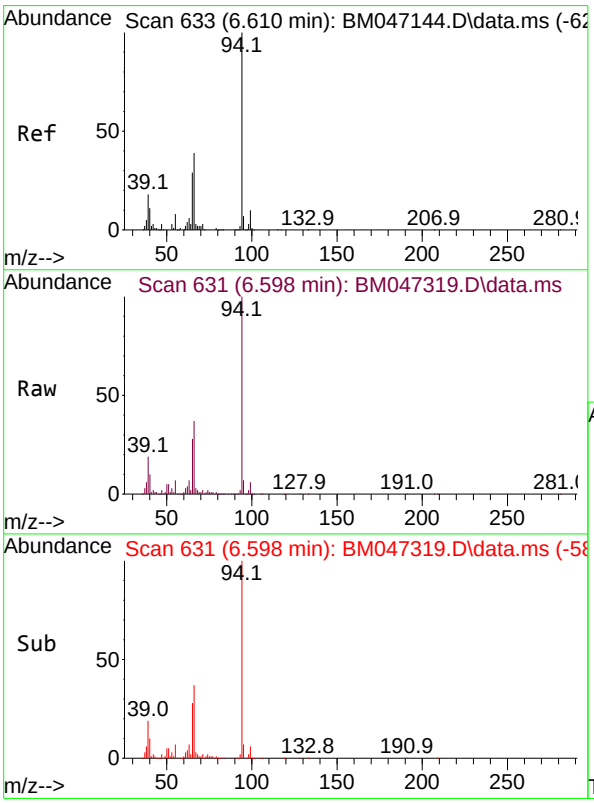
#9
Benzaldehyde
Concen: 31.114 ng
RT: 6.516 min Scan# 61
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion: 77 Resp: 364315

Ion	Ratio	Lower	Upper
77	100		
105	96.0	74.5	114.5
106	91.9	72.3	112.3

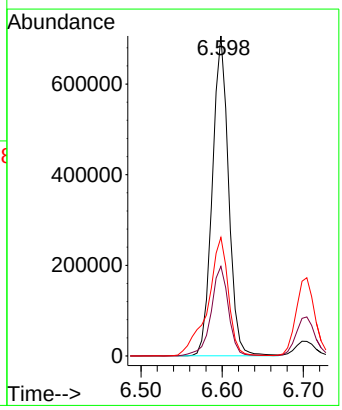


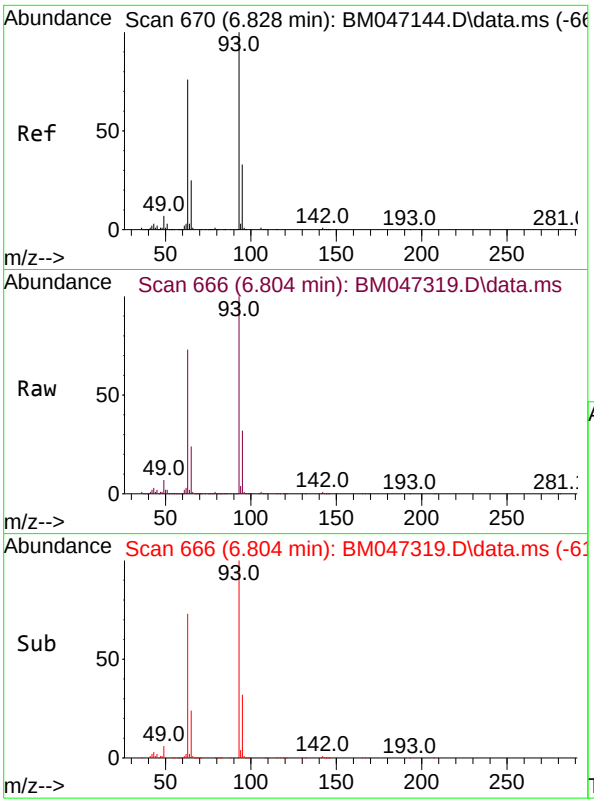


#10
Phenol
Concen: 48.140 ng
RT: 6.598 min Scan# 631
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion: 94 Resp: 981908

Ion	Ratio	Lower	Upper
94	100		
65	28.0	9.0	49.0
66	37.1	18.9	58.9



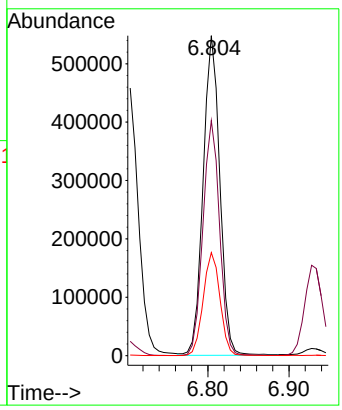


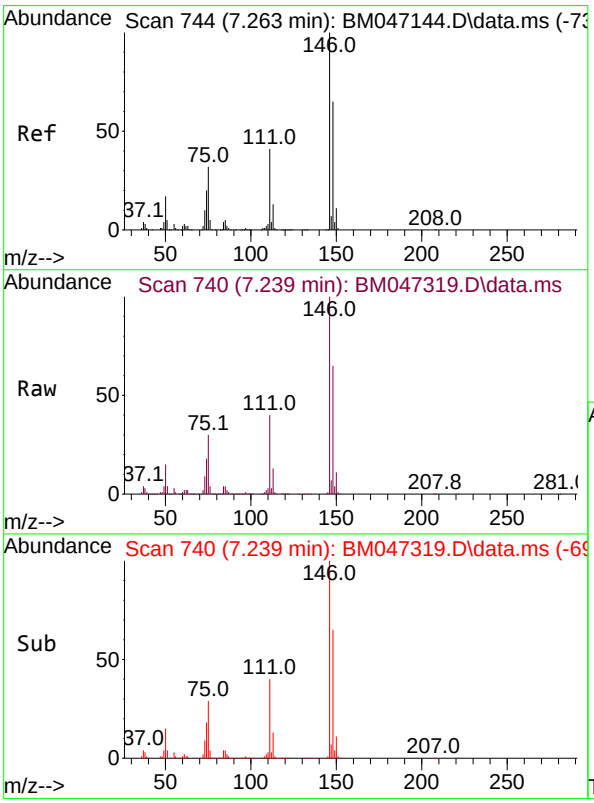
#11
bis(2-Chloroethyl)ether
Concen: 44.835 ng
RT: 6.804 min Scan# 6(
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion: 93 Resp: 783154

Ion	Ratio	Lower	Upper
93	100		
63	73.5	55.8	95.8
95	32.2	12.7	52.7

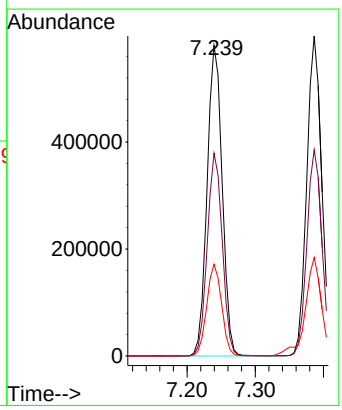


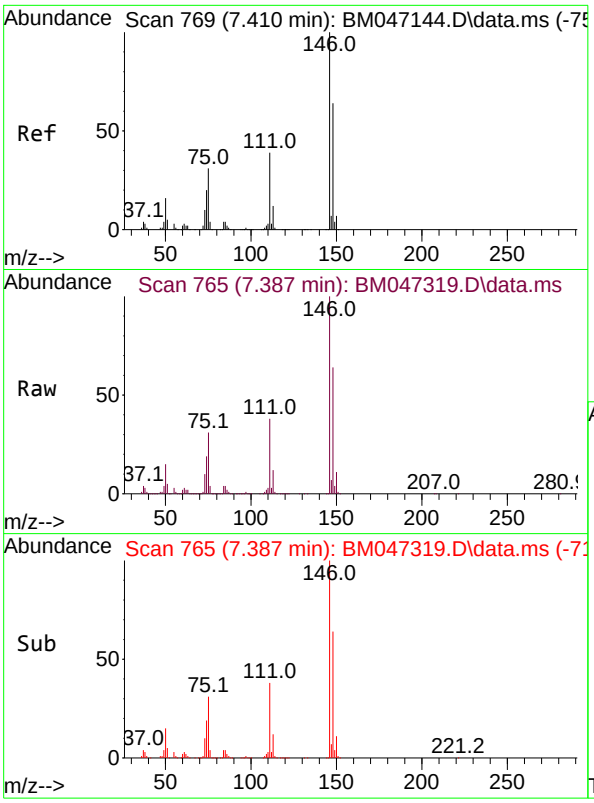


#12
1,3-Dichlorobenzene
Concen: 46.470 ng
RT: 7.239 min Scan# 740
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:146 Resp: 893487

Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.3	78.5
75	29.5	25.8	38.6



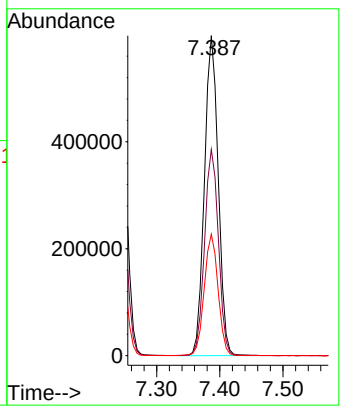


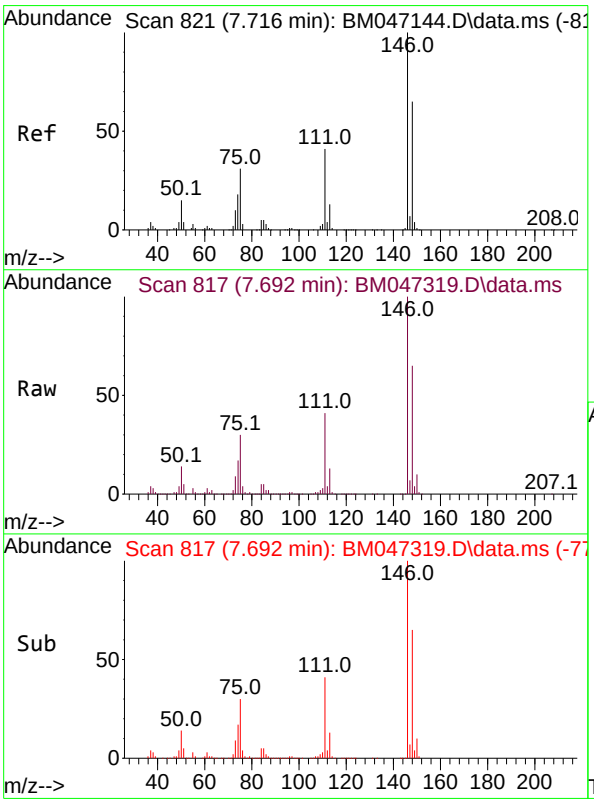
#13
1,4-Dichlorobenzene
Concen: 46.557 ng
RT: 7.387 min Scan# 7
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:146 Resp: 906338

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.4	77.2
111	37.9	31.5	47.3

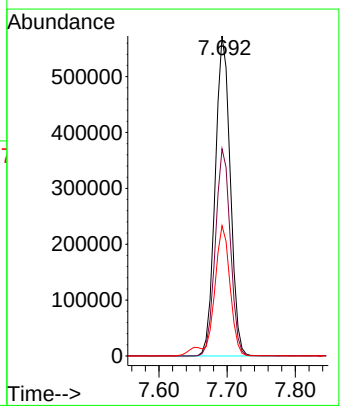


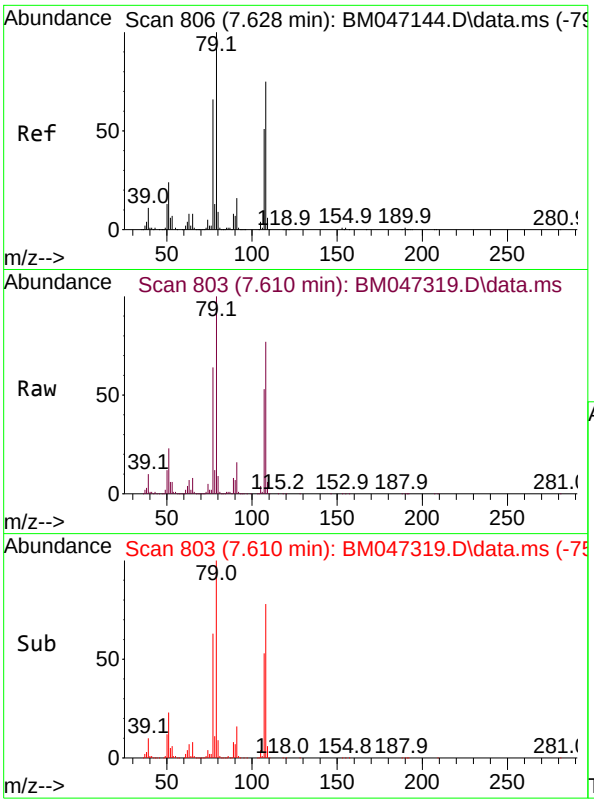


#14
1,2-Dichlorobenzene
Concen: 48.030 ng
RT: 7.692 min Scan# 817
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:146 Resp: 882217

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.8	77.8
111	40.7	33.3	49.9



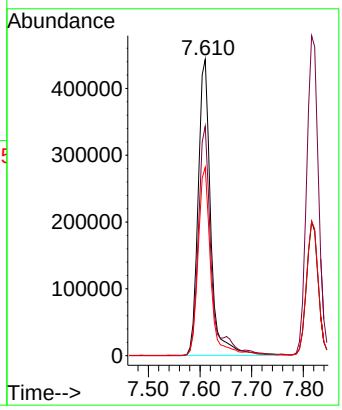


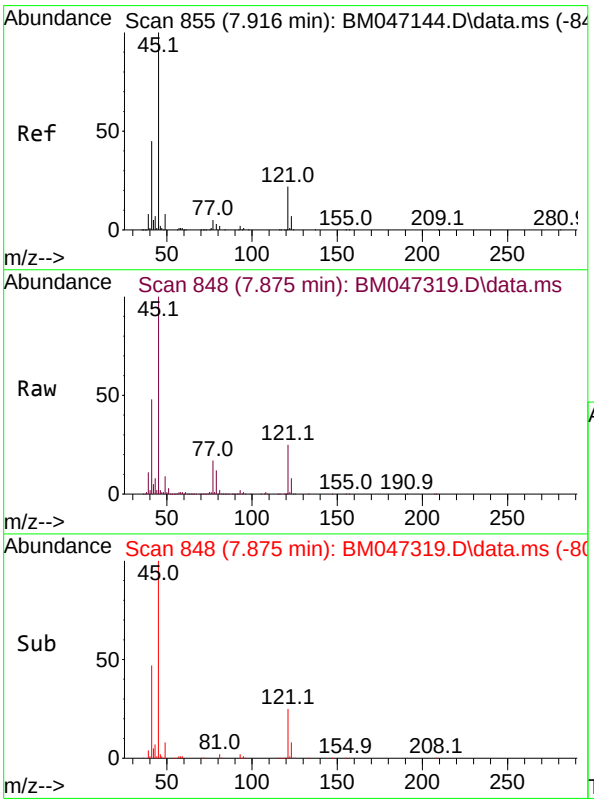
#15
Benzyl Alcohol
Concen: 51.352 ng
RT: 7.610 min Scan# 80
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion: 79 Resp: 747074

Ion	Ratio	Lower	Upper
79	100		
108	77.4	59.7	89.5
77	63.5	52.9	79.3

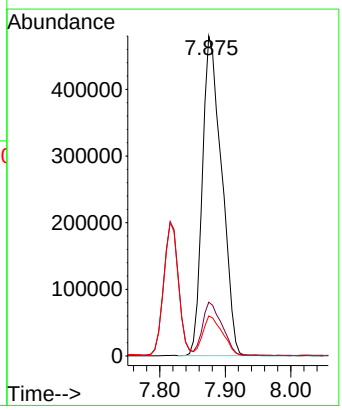


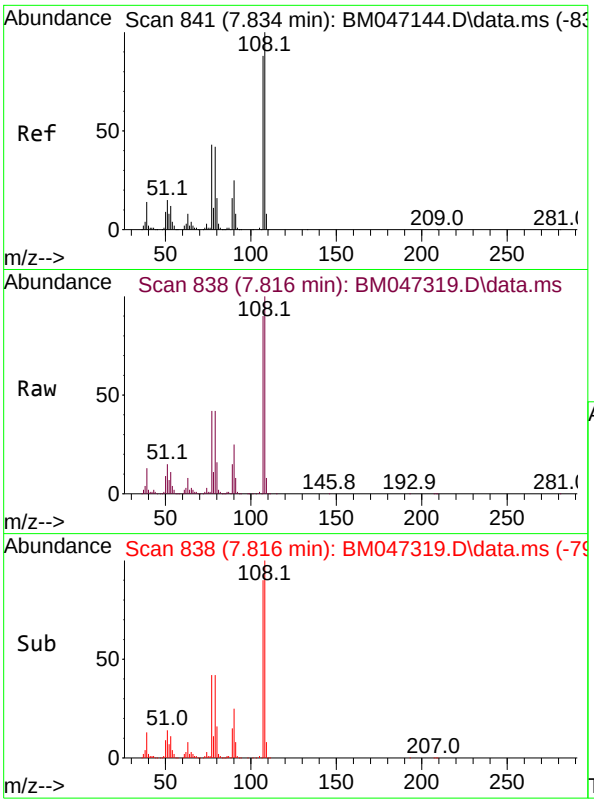


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.879 ng
RT: 7.875 min Scan# 848
Delta R.T. -0.041 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion: 45 Resp: 983506

Ion	Ratio	Lower	Upper
45	100		
77	16.8	0.0	35.6
79	12.5	0.0	32.4



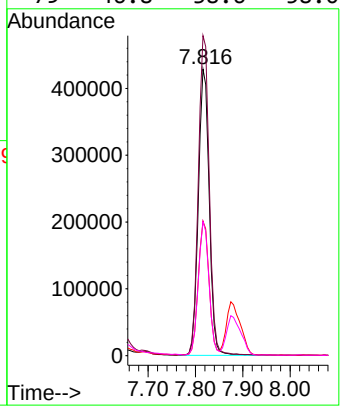


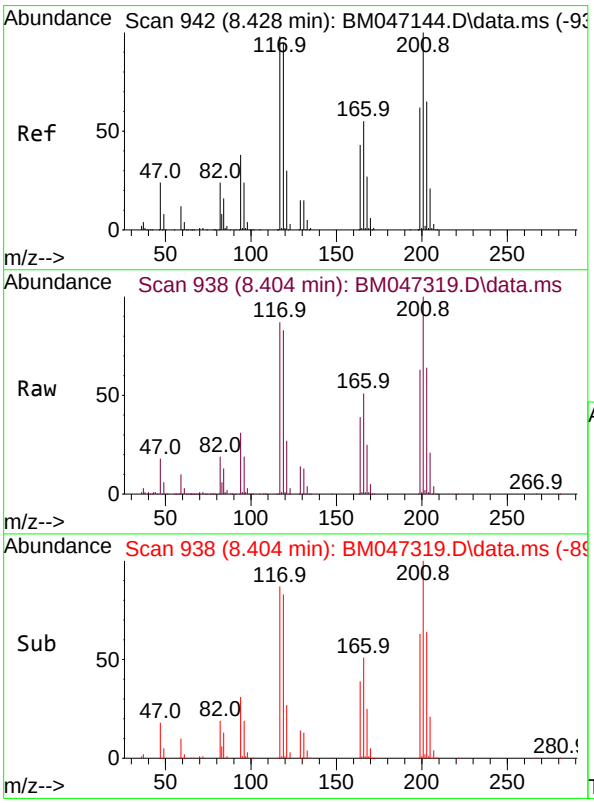
#17
2-Methylphenol
Concen: 50.052 ng
RT: 7.816 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:107 Resp: 681096

Ion	Ratio	Lower	Upper
107	100		
108	111.6	90.6	135.8
77	47.0	39.3	58.9
79	46.8	38.6	58.0

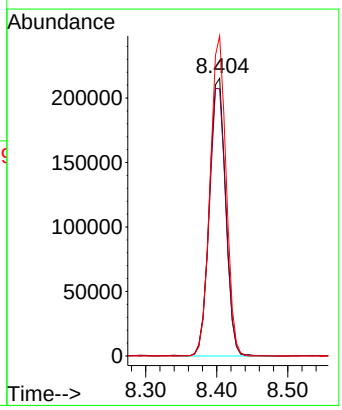


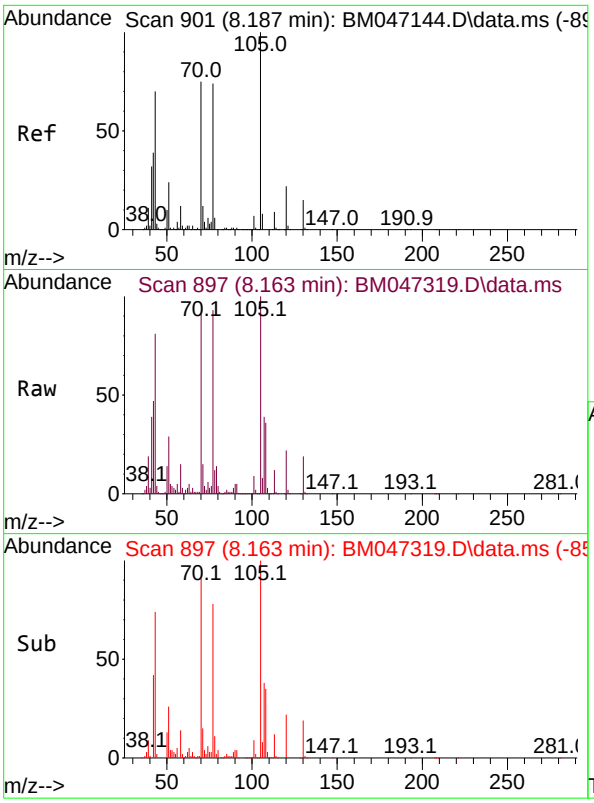


#18
Hexachloroethane
Concen: 45.594 ng
RT: 8.404 min Scan# 938
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:117 Resp: 343812

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.4
201	115.2	81.3	121.9



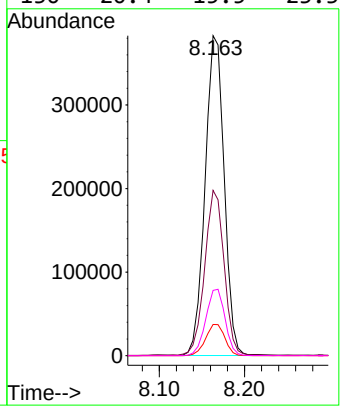


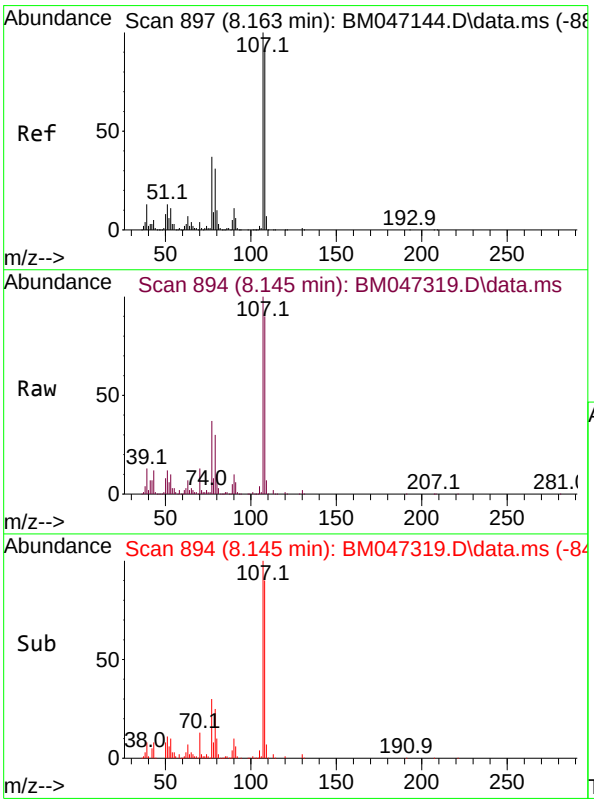
#19
n-Nitroso-di-n-propylamine
Concen: 43.257 ng
RT: 8.163 min Scan# 8
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion: 70 Resp: 595604

Ion	Ratio	Lower	Upper
70	100		
42	51.6	42.0	63.0
101	9.7	7.2	10.8
130	20.4	15.5	23.3

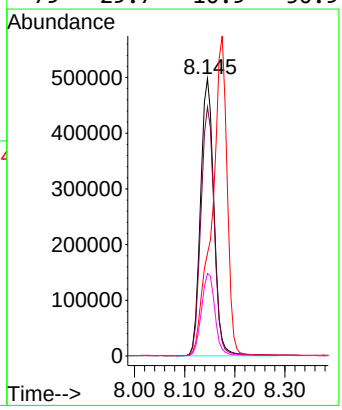


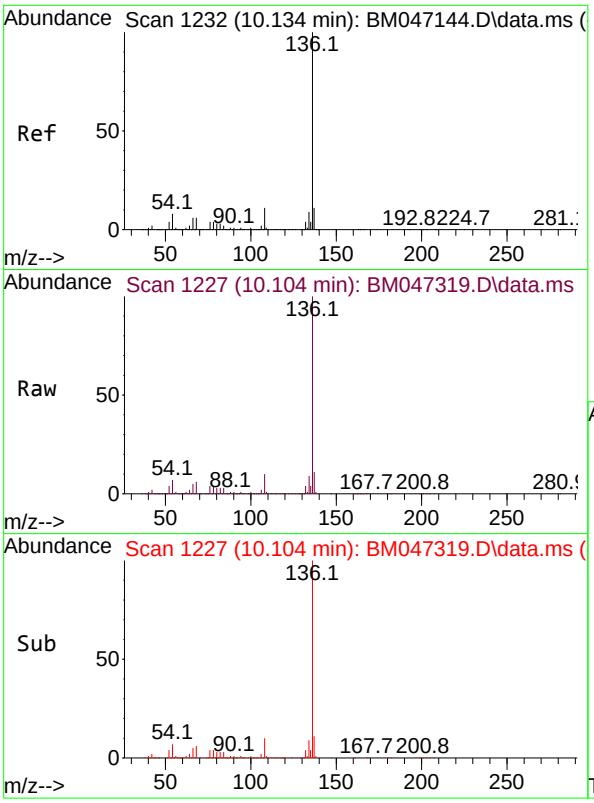


#20
3+4-Methylphenols
Concen: 48.481 ng
RT: 8.145 min Scan# 894
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:107 Resp: 922291

Ion	Ratio	Lower	Upper
107	100		
108	89.8	70.7	110.7
77	37.0	17.4	57.4
79	29.7	10.9	50.9



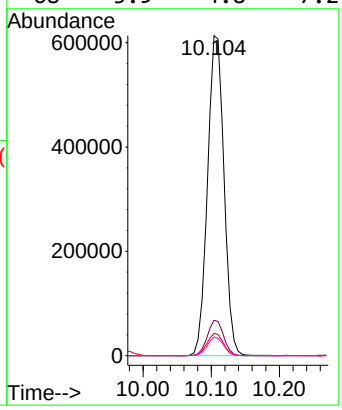


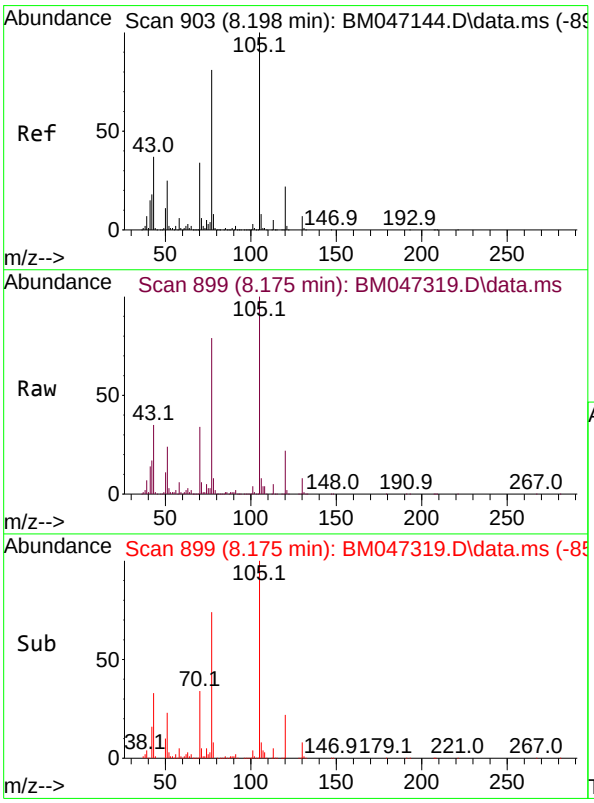
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.030 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:136 Resp: 1032290

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.0	6.0	9.0
68	5.9	4.8	7.2

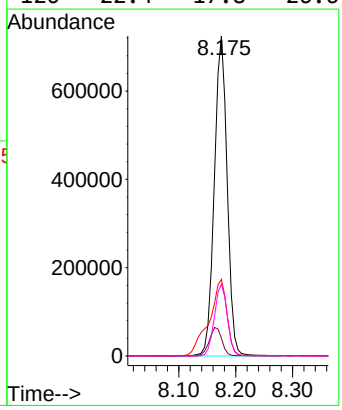


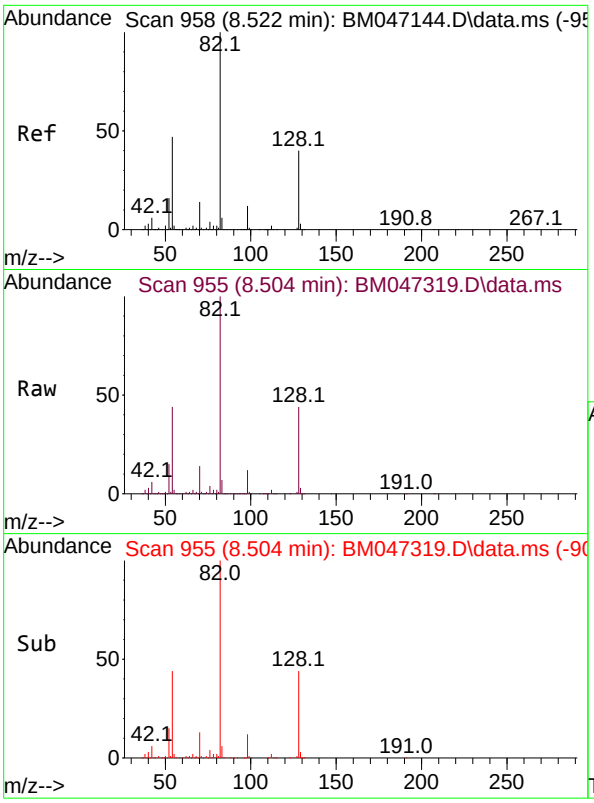


#22
Acetophenone
Concen: 45.638 ng
RT: 8.175 min Scan# 899
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:105 Resp: 1137192

Ion	Ratio	Lower	Upper
105	100		
71	5.5	4.5	6.7
51	23.9	20.1	30.1
120	22.4	17.8	26.6



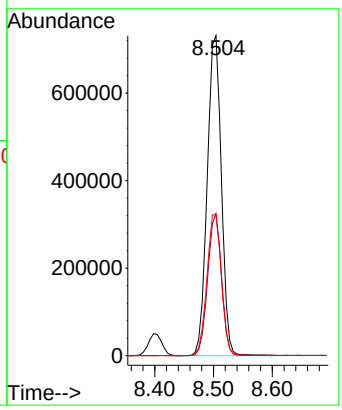


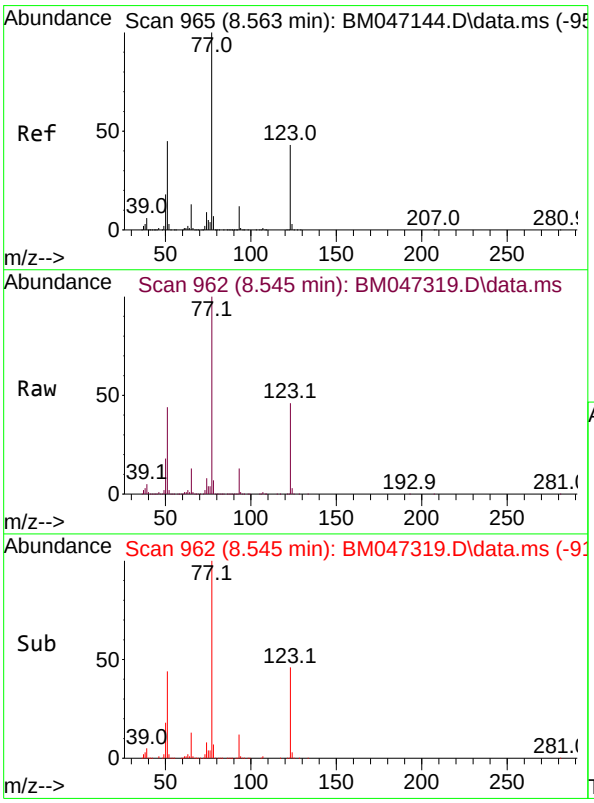
#23
Nitrobenzene-d5
Concen: 59.629 ng
RT: 8.504 min Scan# 9
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion: 82 Resp: 1222455

Ion	Ratio	Lower	Upper
82	100		
128	44.4	32.3	48.5
54	44.1	37.4	56.2

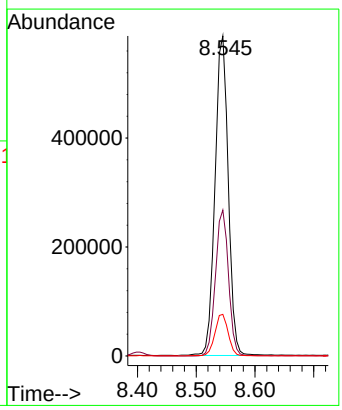


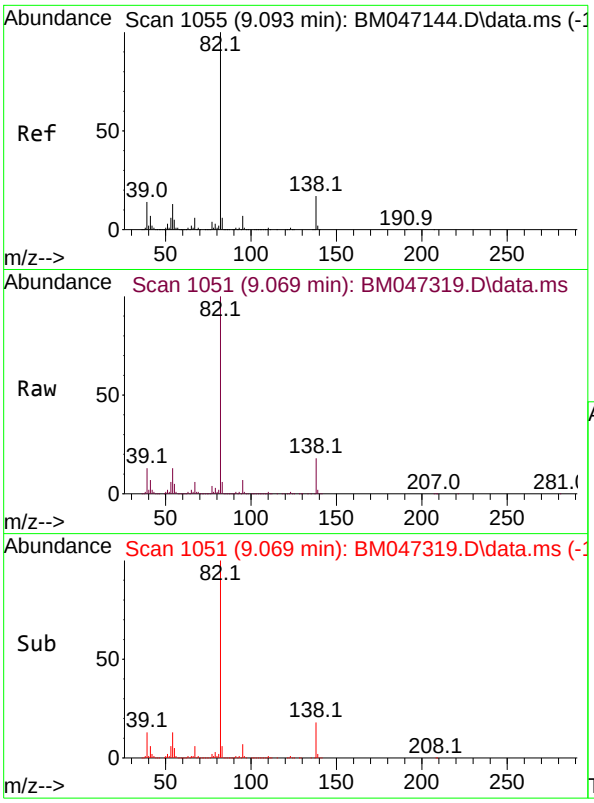


#24
Nitrobenzene
Concen: 44.333 ng
RT: 8.545 min Scan# 962
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion: 77 Resp: 915179

Ion	Ratio	Lower	Upper
77	100		
123	45.6	34.0	51.0
65	13.0	10.5	15.7



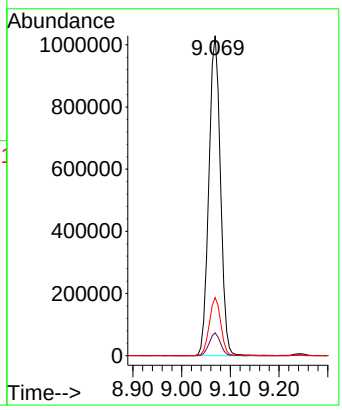


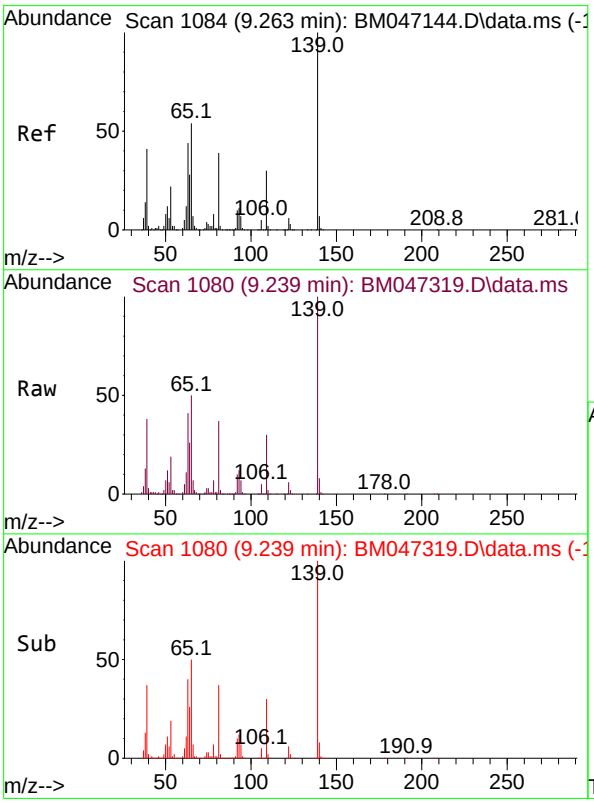
#25
Isophorone
Concen: 47.277 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion: 82 Resp: 1687583

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.5	8.3
138	18.1	13.5	20.3

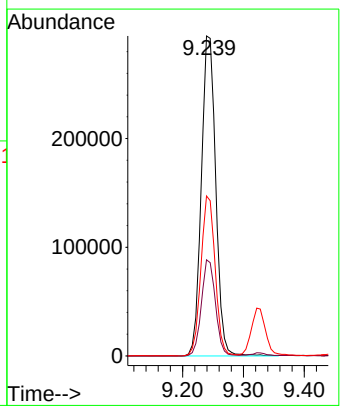


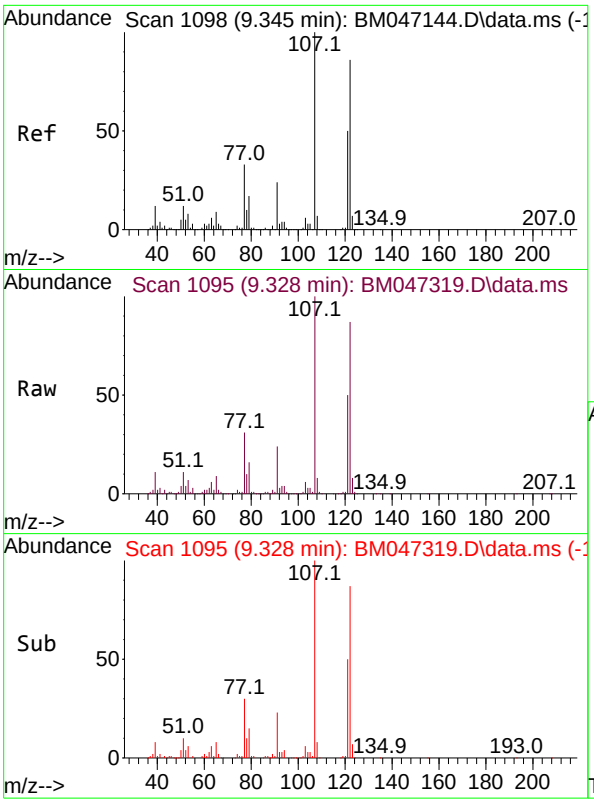


#26
2-Nitrophenol
Concen: 52.879 ng
RT: 9.239 min Scan# 1080
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:139 Resp: 483432

Ion	Ratio	Lower	Upper
139	100		
109	30.1	24.4	36.6
65	50.0	43.0	64.6



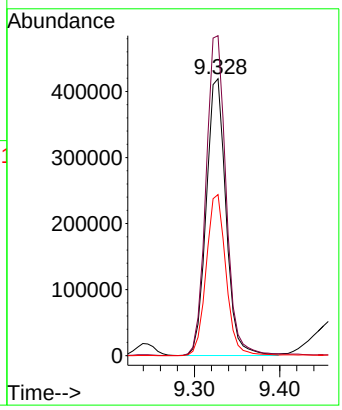


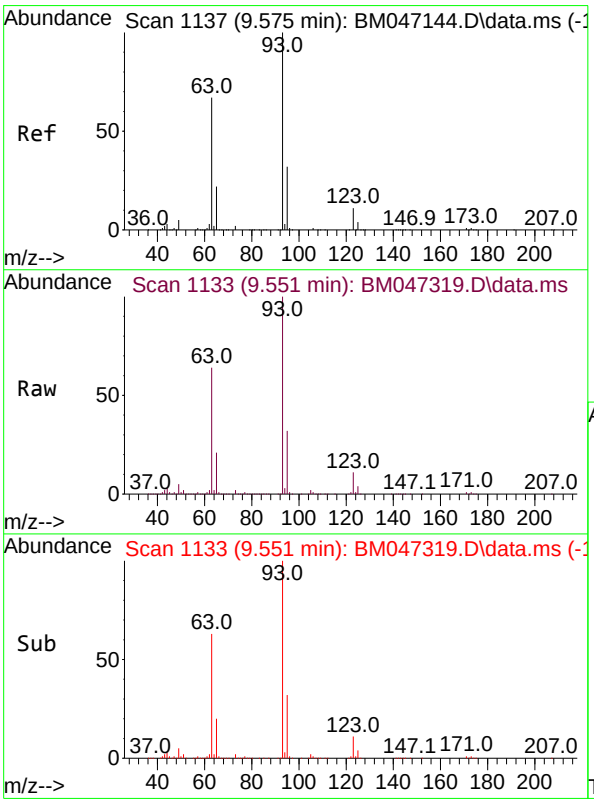
#27
2,4-Dimethylphenol
Concen: 63.102 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:122 Resp: 675765

Ion	Ratio	Lower	Upper
122	100		
107	115.6	92.8	139.2
121	58.2	46.1	69.1

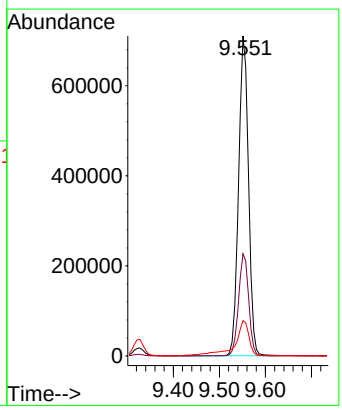


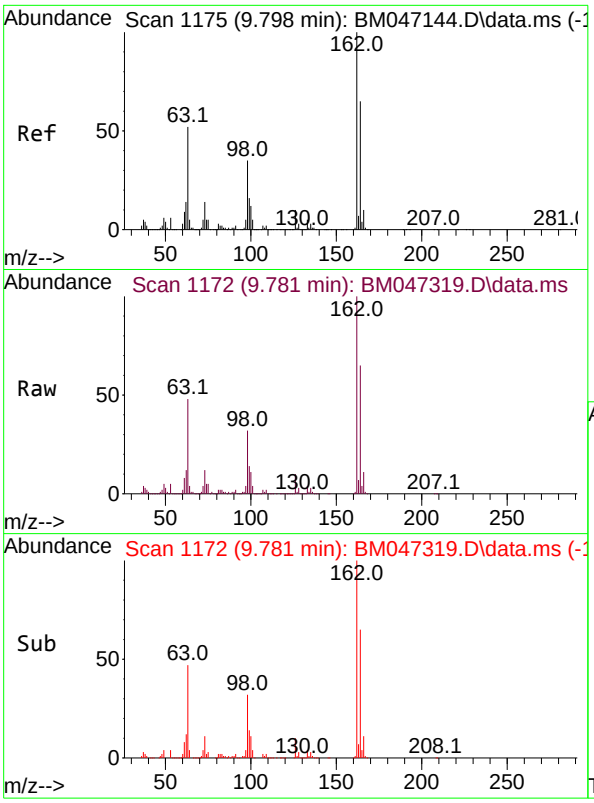


#28
bis(2-Chloroethoxy)methane
Concen: 47.397 ng
RT: 9.551 min Scan# 1133
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion: 93 Resp: 1064554

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.8	38.8
123	11.0	9.0	13.4



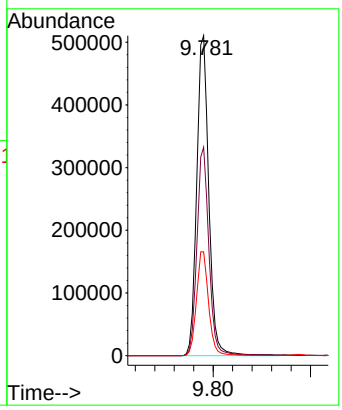


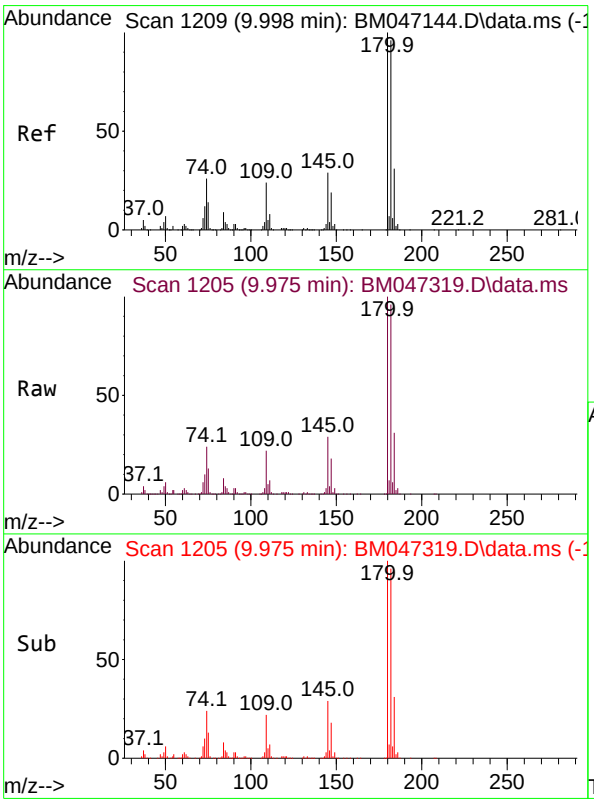
#29
2,4-Dichlorophenol
Concen: 55.526 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:162 Resp: 882288

Ion	Ratio	Lower	Upper
162	100		
164	65.2	44.7	84.7
98	32.5	14.9	54.9

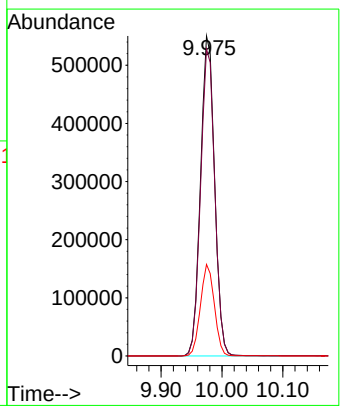


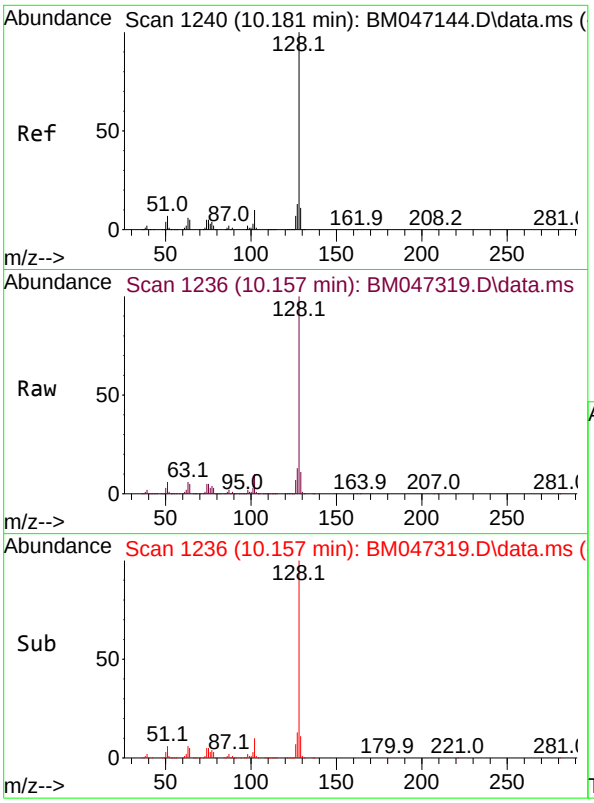


#30
1,2,4-Trichlorobenzene
Concen: 49.093 ng
RT: 9.975 min Scan# 1205
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:180 Resp: 882796

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	115.0
145	28.6	23.4	35.2



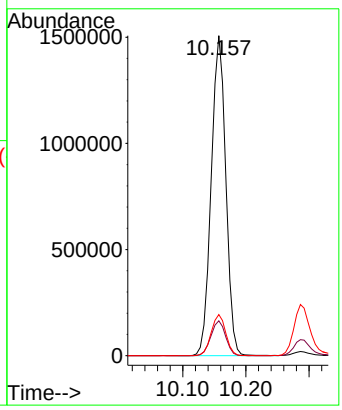


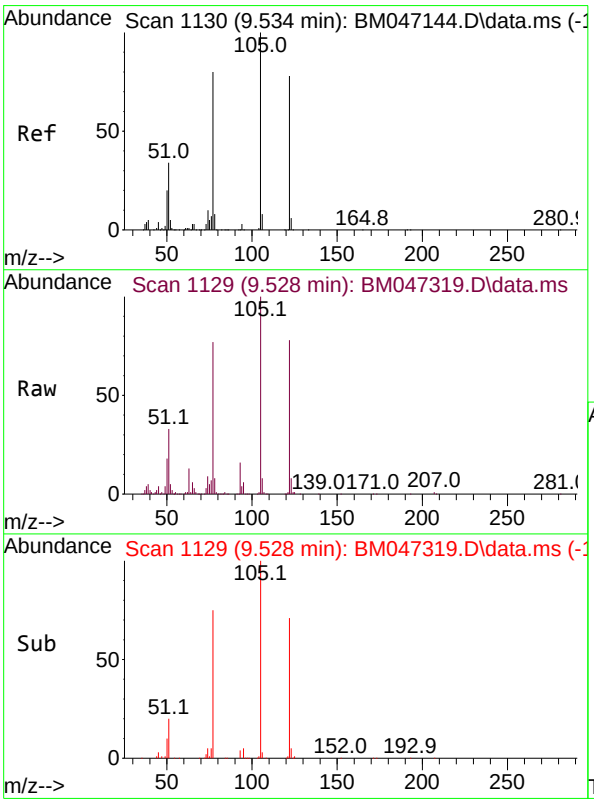
#31
Naphthalene
Concen: 46.952 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:128 Resp: 2414511

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.9	10.2	15.4

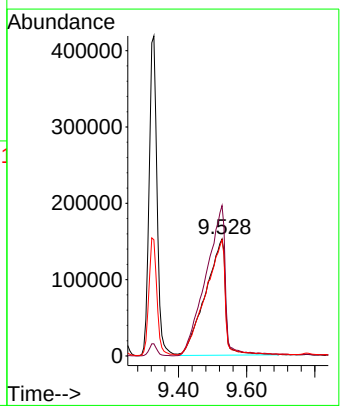


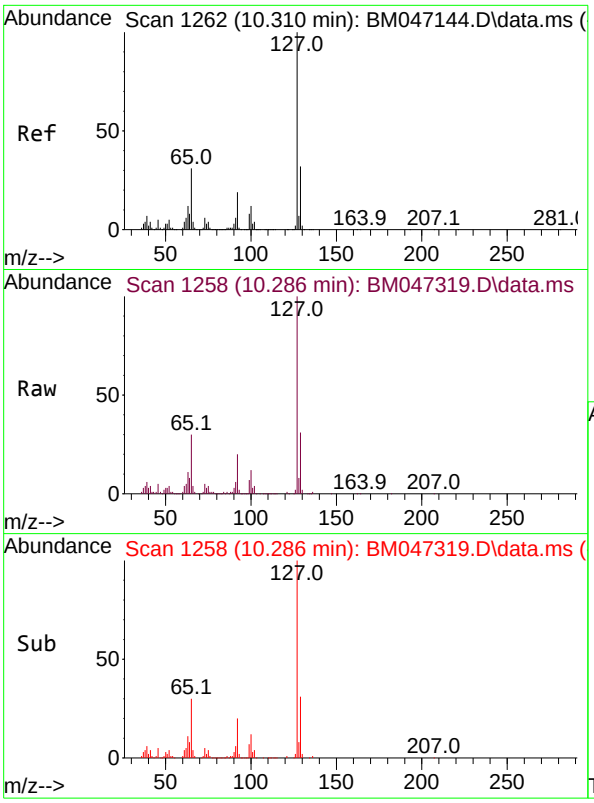


#32
Benzoic acid
Concen: 50.107 ng
RT: 9.528 min Scan# 1129
Delta R.T. -0.006 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:122 Resp: 623426

Ion	Ratio	Lower	Upper
122	100		
105	128.5	107.1	147.1
77	99.2	82.1	122.1



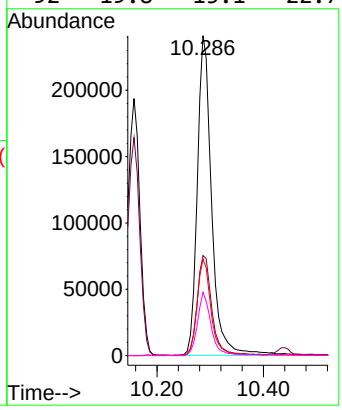


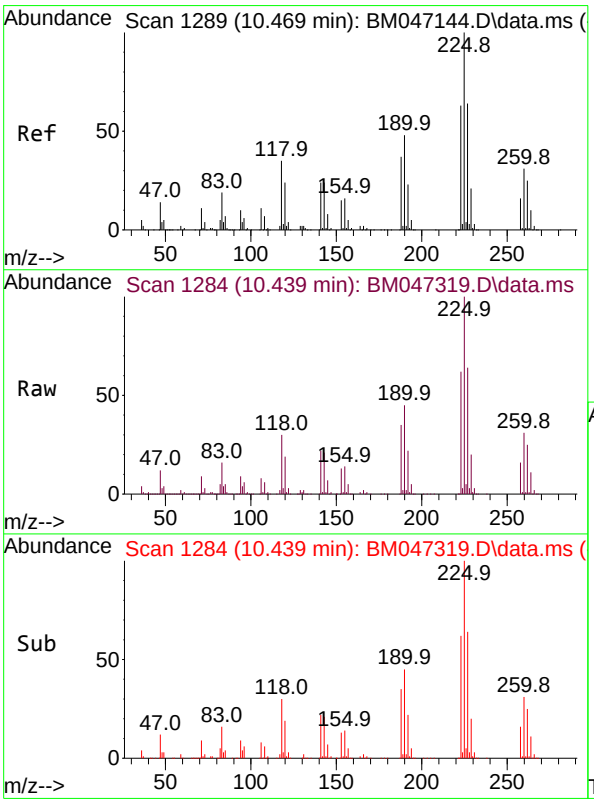
#33
4-Chloroaniline
Concen: 22.662 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:127 Resp: 448160

Ion	Ratio	Lower	Upper
127	100		
129	31.3	25.8	38.8
65	30.2	24.9	37.3
92	19.8	15.1	22.7

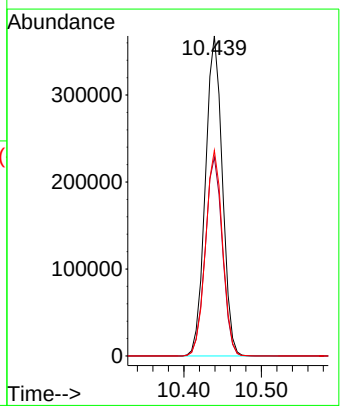


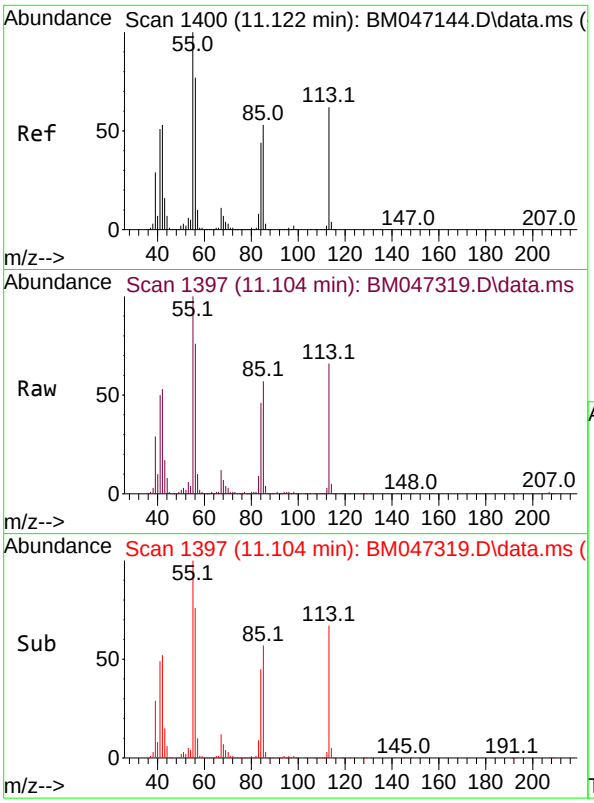


#34
Hexachlorobutadiene
Concen: 53.128 ng
RT: 10.439 min Scan# 1284
Delta R.T. -0.030 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:225 Resp: 559176

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.2	75.2
227	64.3	51.4	77.0



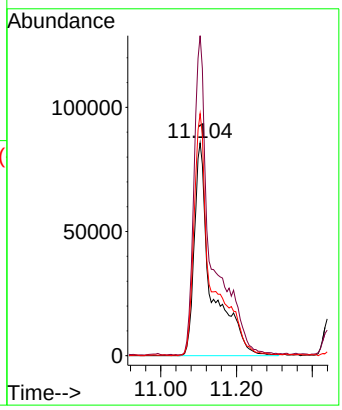


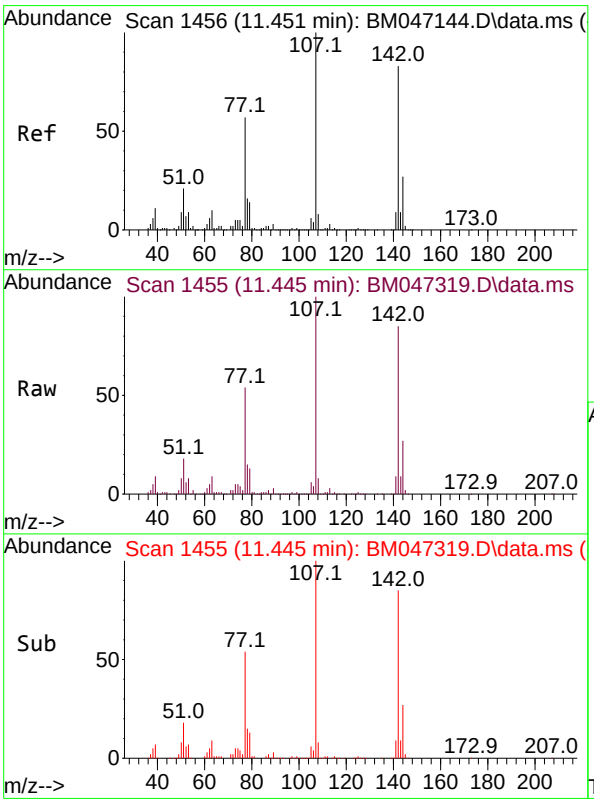
#35
Caprolactam
Concen: 49.522 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:113 Resp: 273274

Ion	Ratio	Lower	Upper
113	100		
55	150.4	140.5	180.5
56	113.8	103.6	143.6

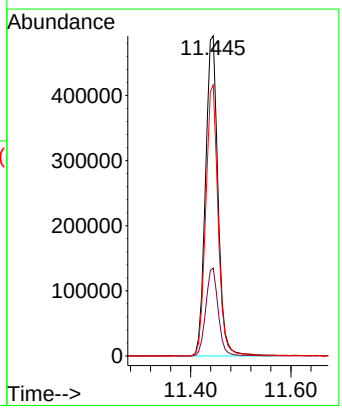


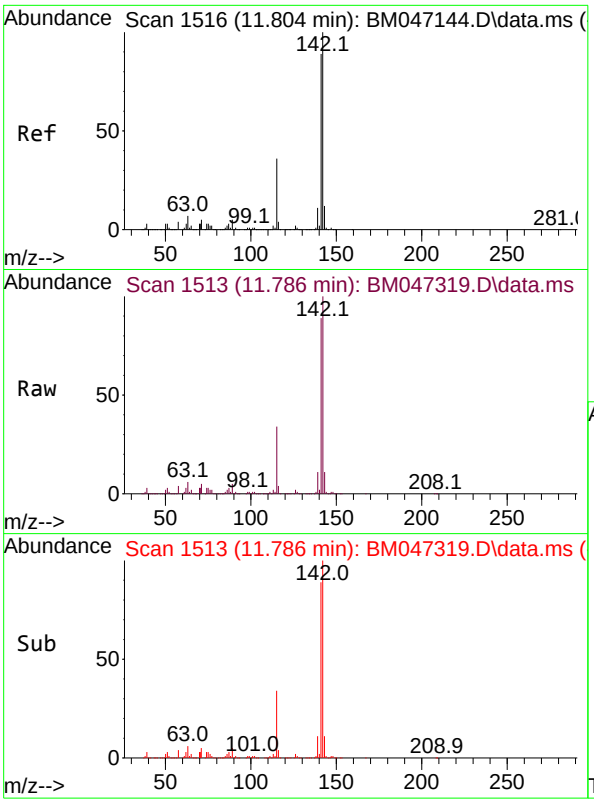


#36
4-Chloro-3-methylphenol
Concen: 50.457 ng
RT: 11.445 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:107 Resp: 853863

Ion	Ratio	Lower	Upper
107	100		
144	27.5	21.8	32.6
142	84.6	66.8	100.2



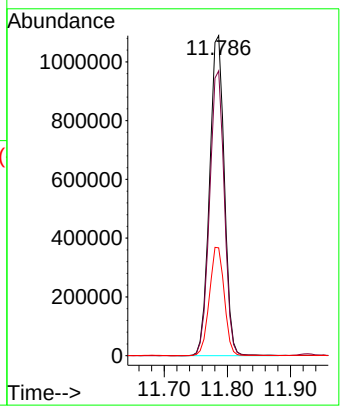


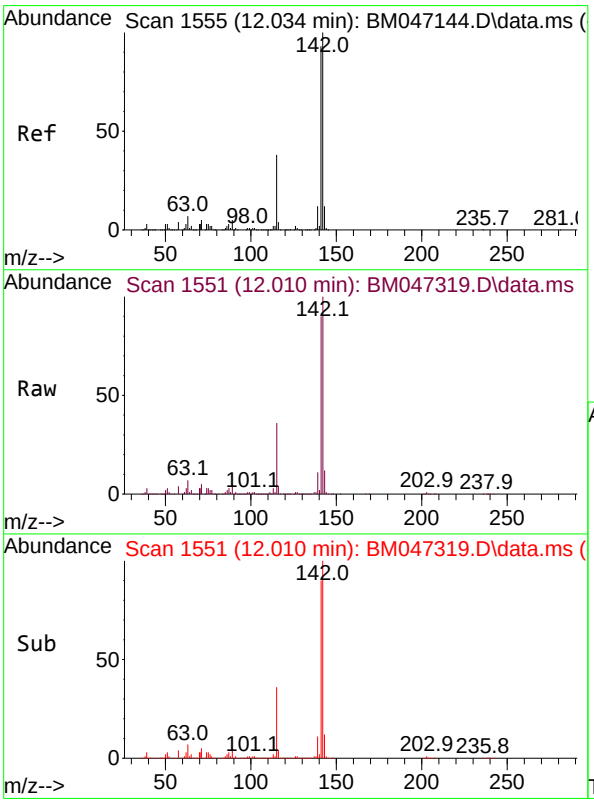
#37
2-Methylnaphthalene
Concen: 48.251 ng
RT: 11.786 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:142 Resp: 1766683

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.9	106.3
115	33.7	28.7	43.1

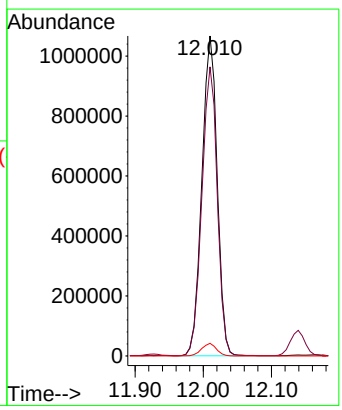


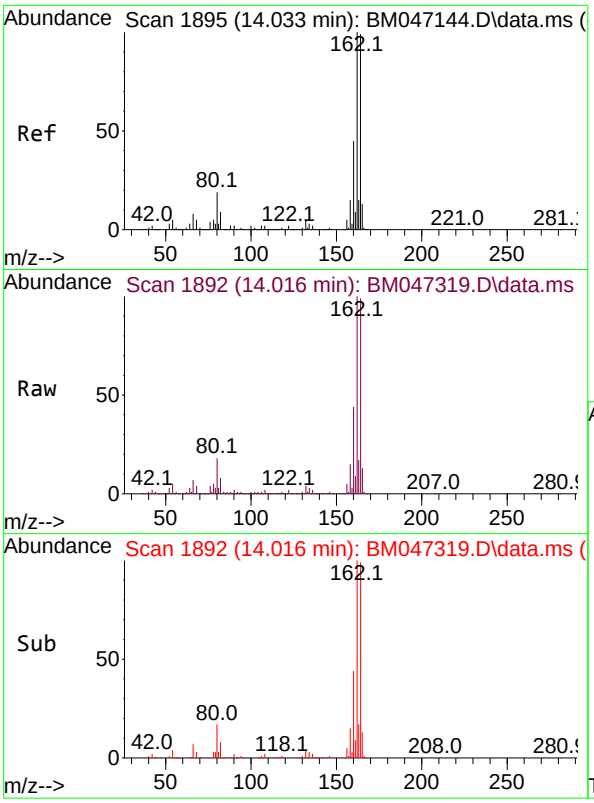


#38
1-Methylnaphthalene
Concen: 46.072 ng
RT: 12.010 min Scan# 1551
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:142 Resp: 1667187

Ion	Ratio	Lower	Upper
142	100		
141	90.3	74.6	111.8
116	3.9	3.1	4.7



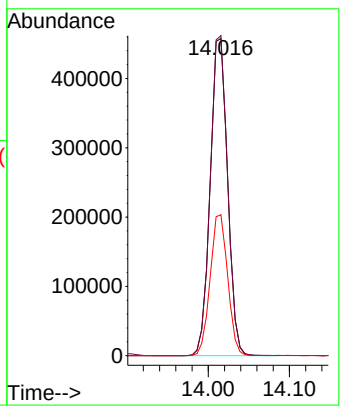


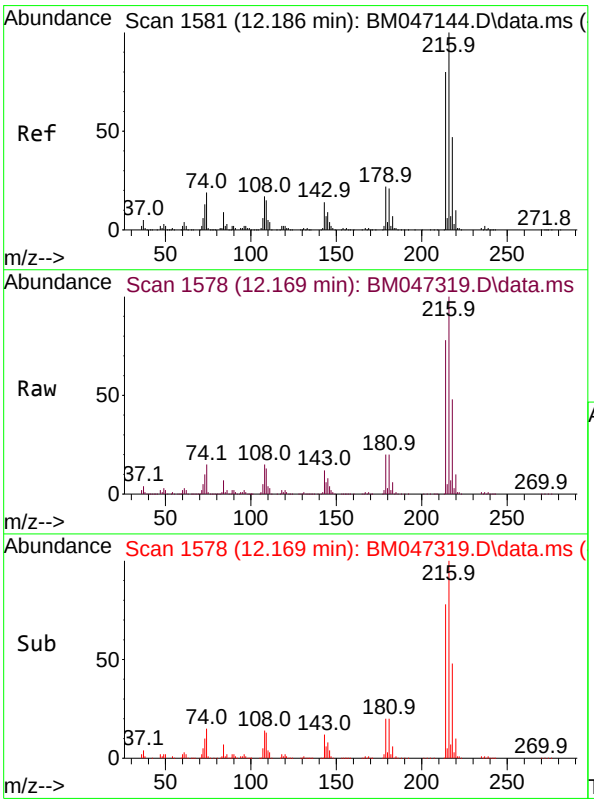
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:164 Resp: 681146

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.7	121.1
160	44.4	36.0	54.0

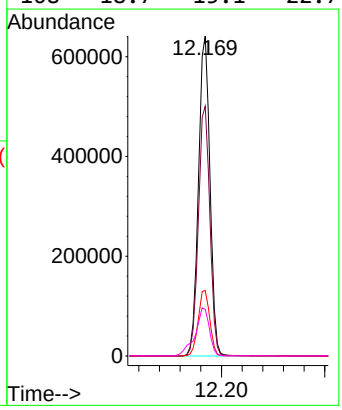


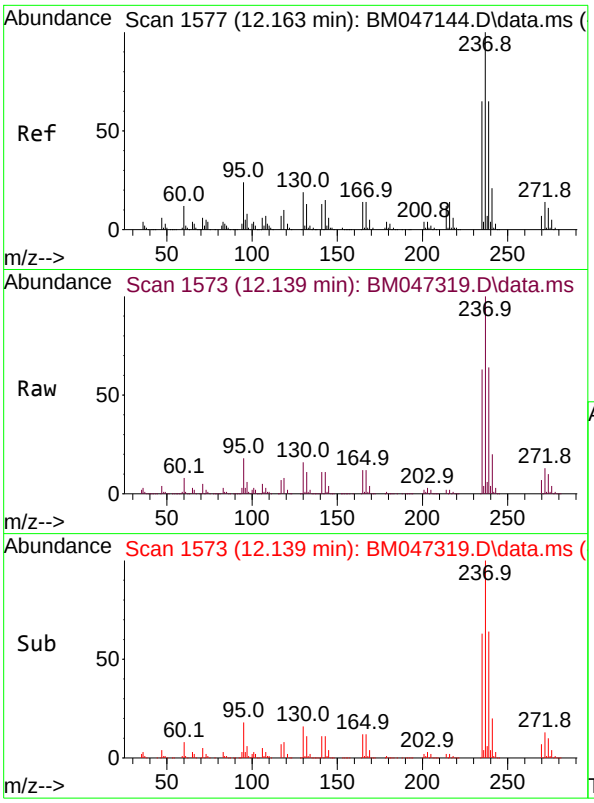


#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.264 ng
RT: 12.169 min Scan# 1578
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:216 Resp: 989566

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.4	95.2
179	20.8	17.6	26.4
108	18.7	15.1	22.7



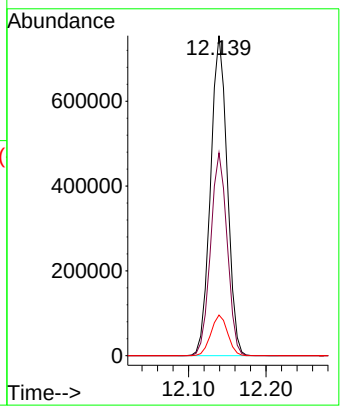


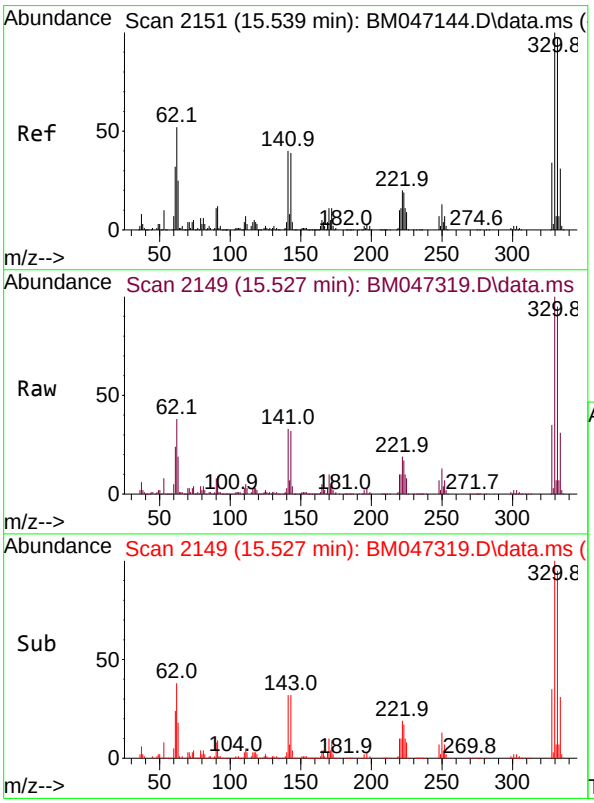
#41
Hexachlorocyclopentadiene
Concen: 173.510 ng
RT: 12.139 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:237 Resp: 1125632

Ion	Ratio	Lower	Upper
237	100		
235	63.4	44.8	84.8
272	12.7	0.0	33.5

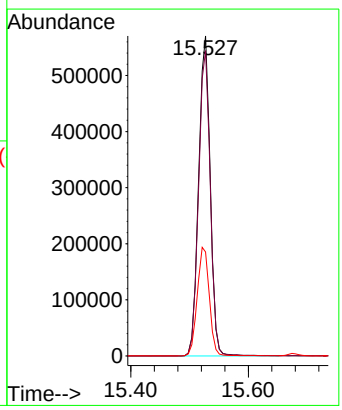


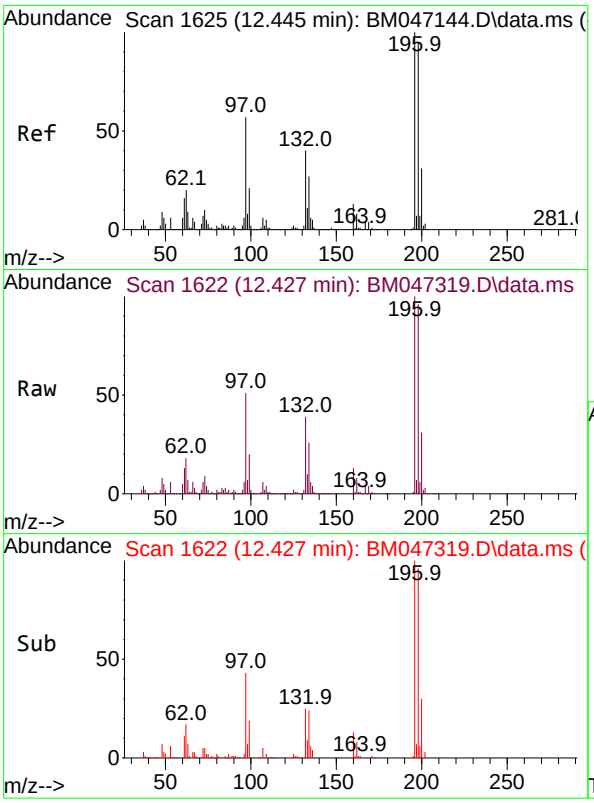


#42
2,4,6-Tribromophenol
Concen: 99.003 ng
RT: 15.527 min Scan# 2149
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:330 Resp: 781922

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.2
141	35.4	31.6	47.4



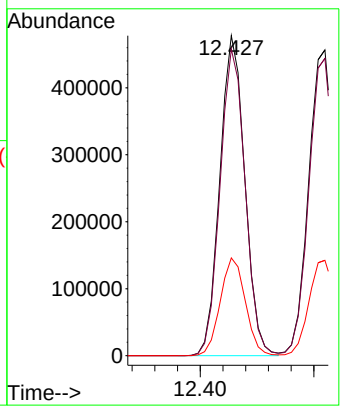


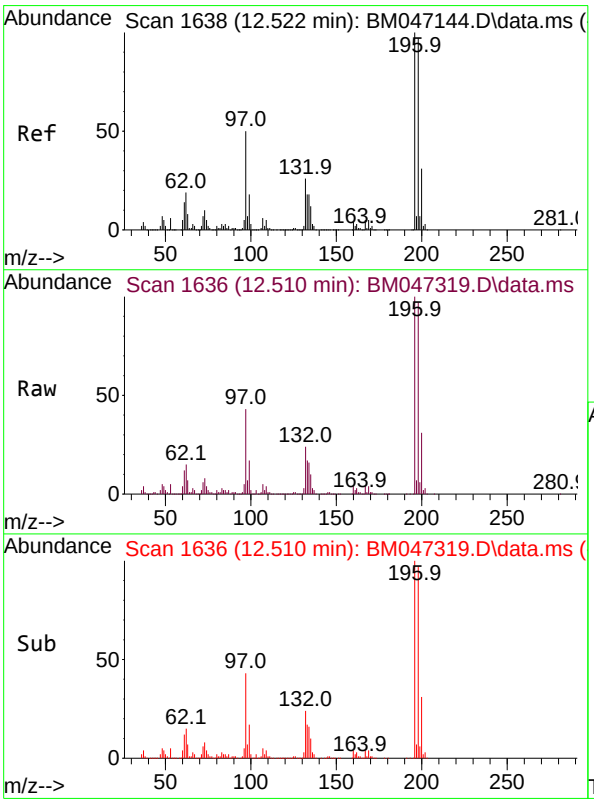
#43
2,4,6-Trichlorophenol
Concen: 55.254 ng
RT: 12.427 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:196 Resp: 729631

Ion	Ratio	Lower	Upper
196	100		
198	95.8	75.6	113.4
200	30.6	24.6	37.0

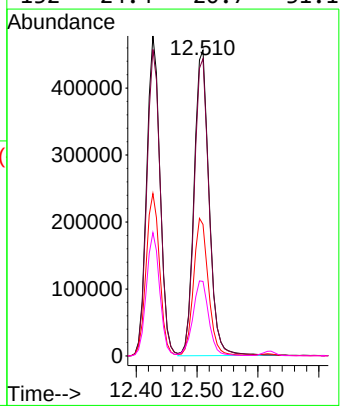


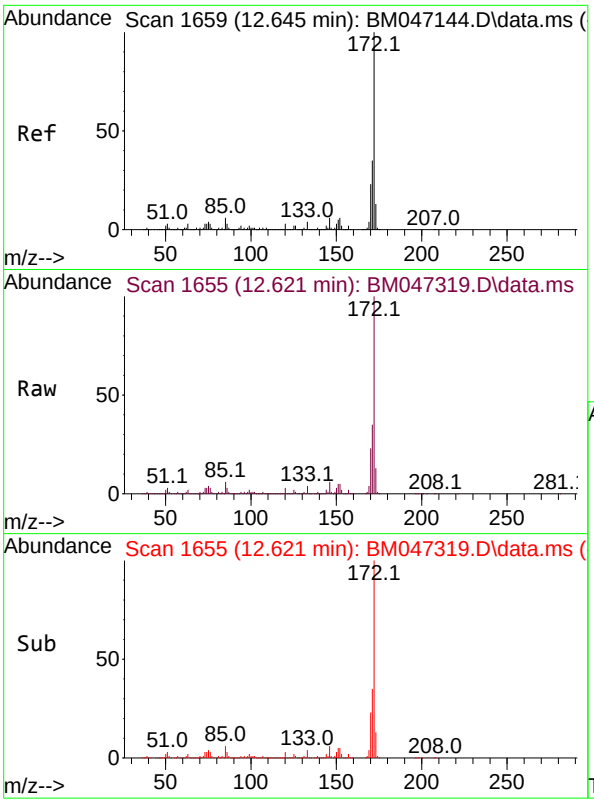


#44
2,4,5-Trichlorophenol
Concen: 53.240 ng
RT: 12.510 min Scan# 1636
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:196 Resp: 780589

Ion	Ratio	Lower	Upper
196	100		
198	97.2	77.7	116.5
97	43.0	39.8	59.8
132	24.4	20.7	31.1



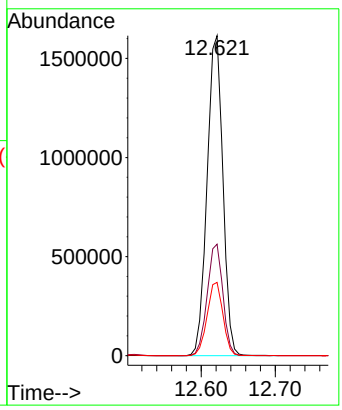


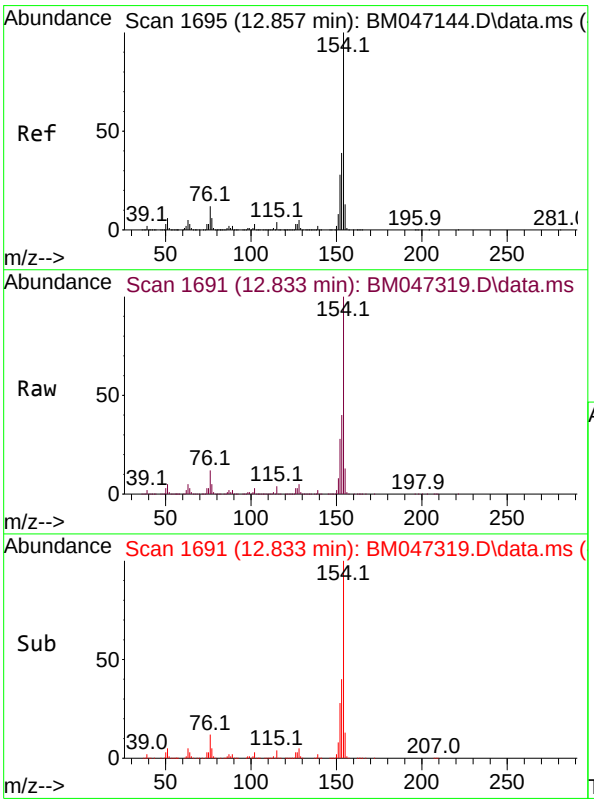
#45
2-Fluorobiphenyl
Concen: 54.061 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:172 Resp: 2387226

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	22.9	18.7	28.1

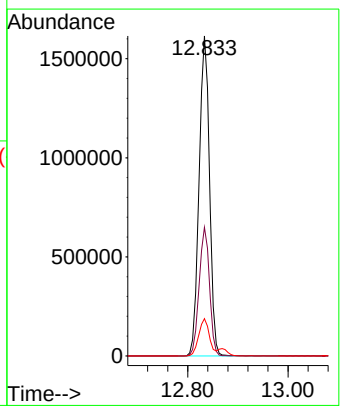


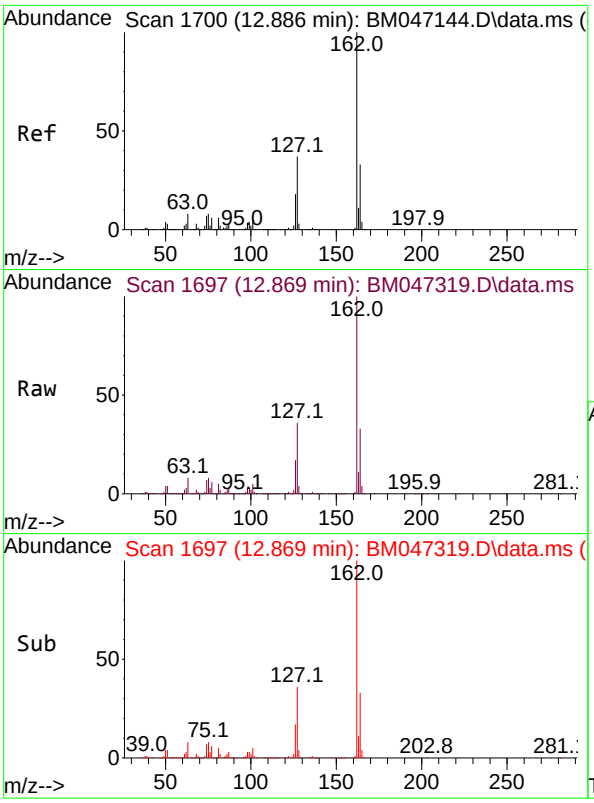


#46
1,1'-Biphenyl
Concen: 47.938 ng
RT: 12.833 min Scan# 1691
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:154 Resp: 2324580

Ion	Ratio	Lower	Upper
154	100		
153	40.2	19.0	59.0
76	11.6	0.0	31.9



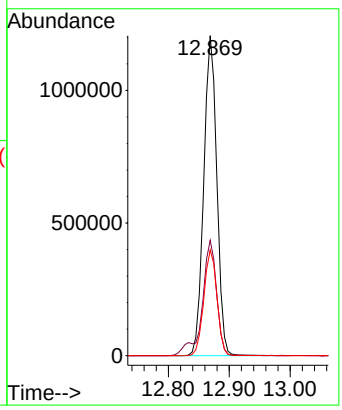


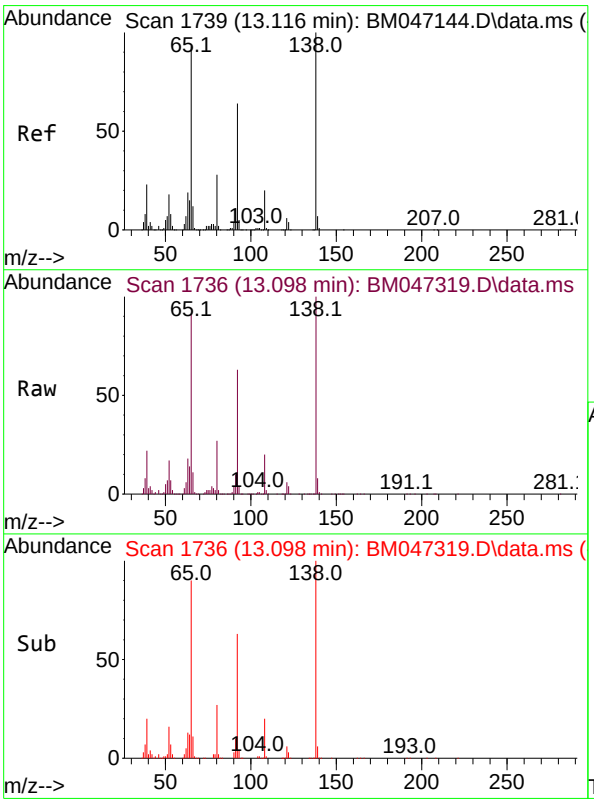
#47
2-Chloronaphthalene
Concen: 47.488 ng
RT: 12.869 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:162 Resp: 1799865

Ion	Ratio	Lower	Upper
162	100		
127	36.1	30.0	45.0
164	33.0	26.3	39.5

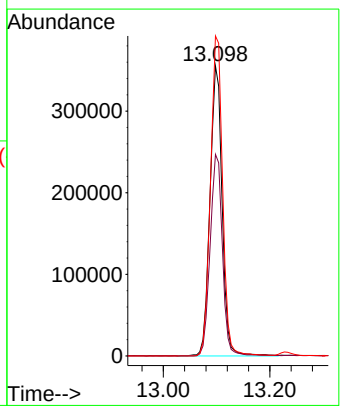


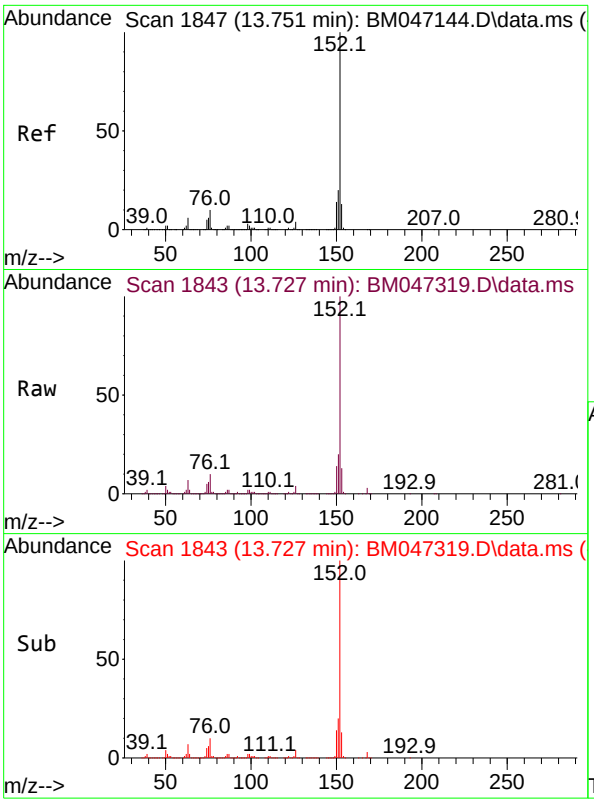


#48
2-Nitroaniline
Concen: 47.426 ng
RT: 13.098 min Scan# 1736
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion: 65 Resp: 563130

Ion	Ratio	Lower	Upper
65	100		
92	69.5	55.1	82.7
138	110.4	85.9	128.9



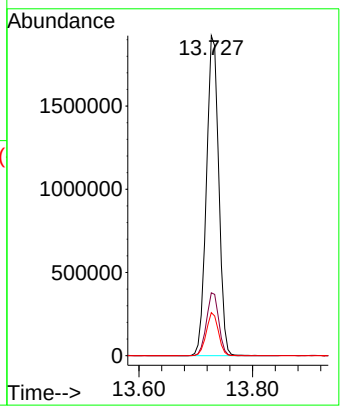


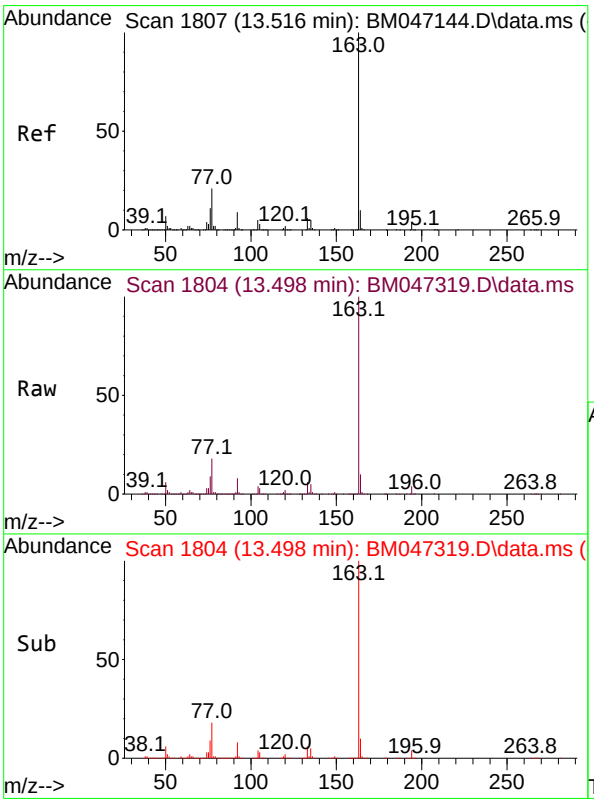
#49
Acenaphthylene
Concen: 51.568 ng
RT: 13.727 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:152 Resp: 2881005

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	13.5	10.4	15.6

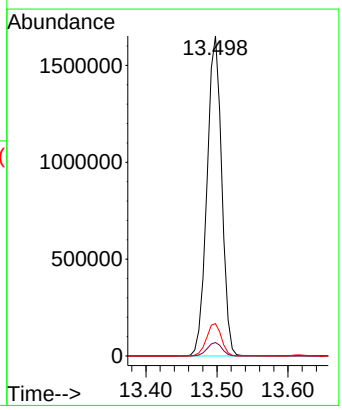


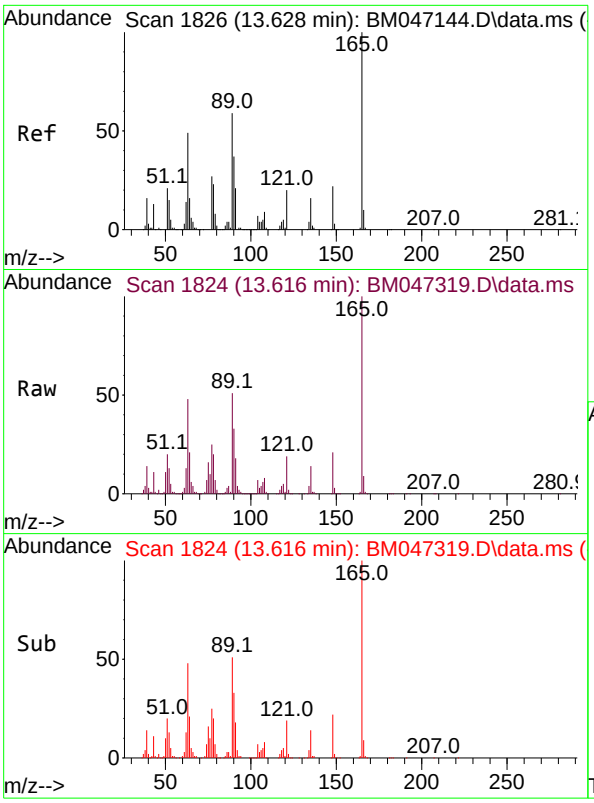


#50
Dimethylphthalate
Concen: 50.016 ng
RT: 13.498 min Scan# 1804
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:163 Resp: 2379344

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.6
164	10.1	8.0	12.0



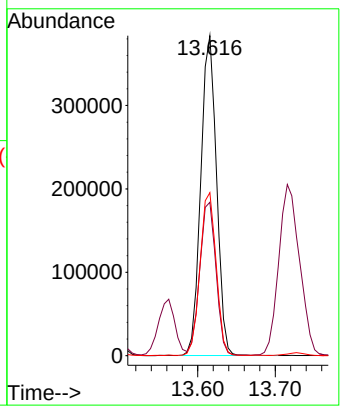


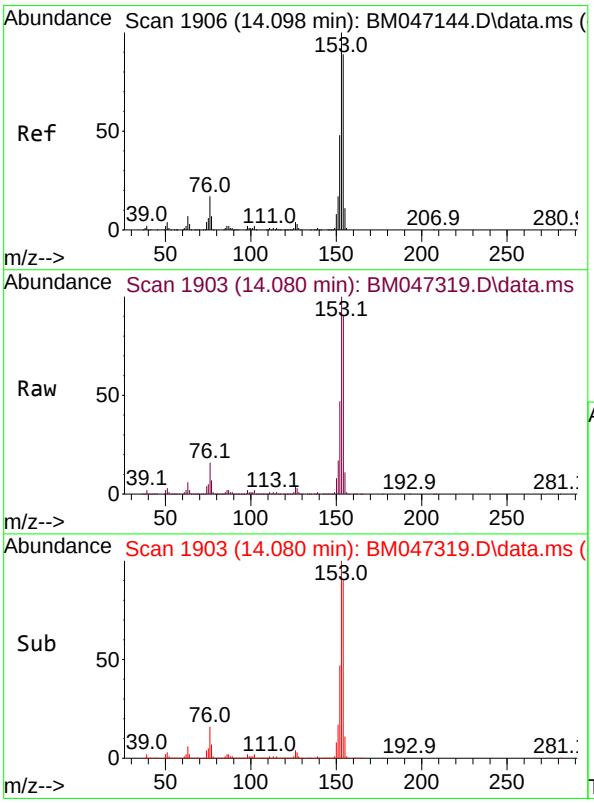
#51
2,6-Dinitrotoluene
Concen: 48.602 ng
RT: 13.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:165 Resp: 540482

Ion	Ratio	Lower	Upper
165	100		
63	47.9	46.5	69.7
89	51.0	47.3	70.9

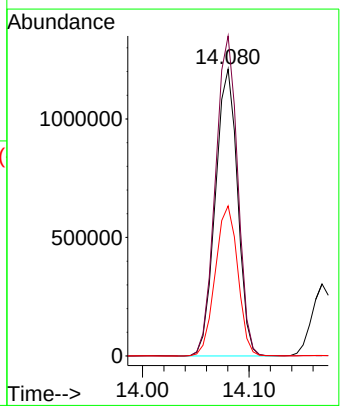


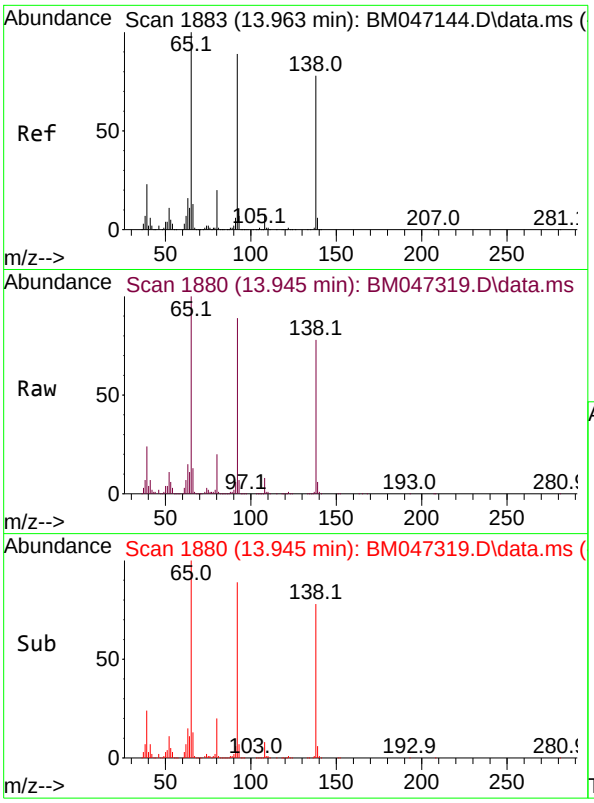


#52
Acenaphthene
Concen: 49.412 ng
RT: 14.080 min Scan# 1903
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:154 Resp: 1751103

Ion	Ratio	Lower	Upper
154	100		
153	111.5	90.3	135.5
152	52.3	42.9	64.3



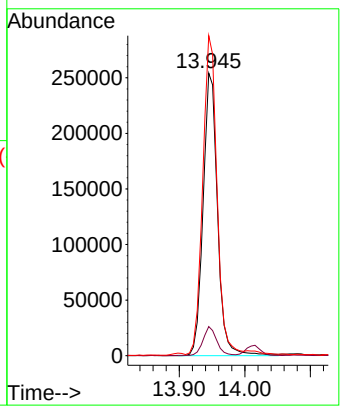


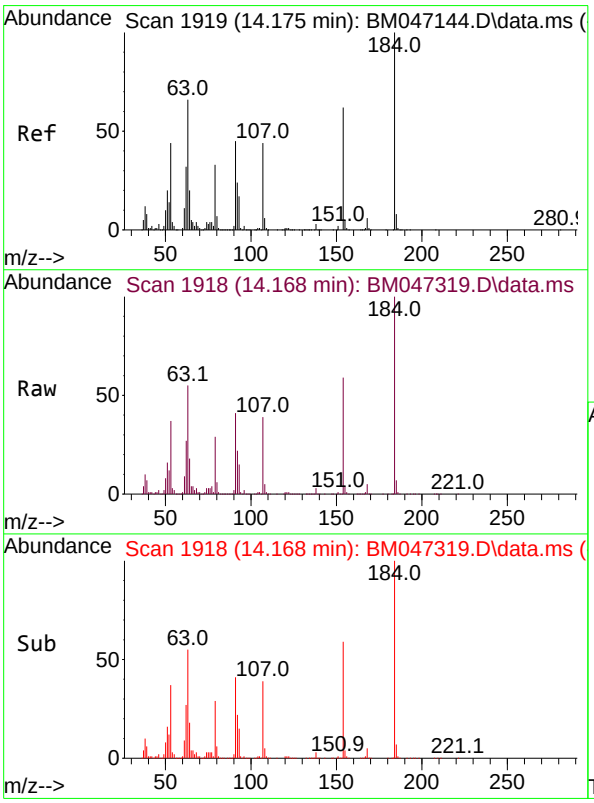
#53
3-Nitroaniline
Concen: 35.002 ng
RT: 13.945 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:138 Resp: 390033

Ion	Ratio	Lower	Upper
138	100		
108	10.3	7.9	11.9
92	113.3	92.0	138.0

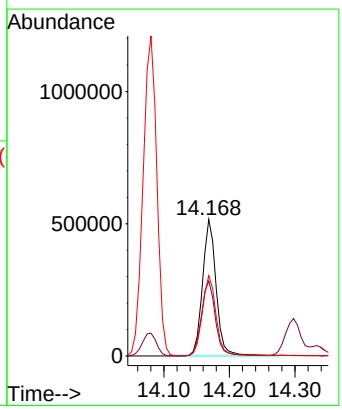


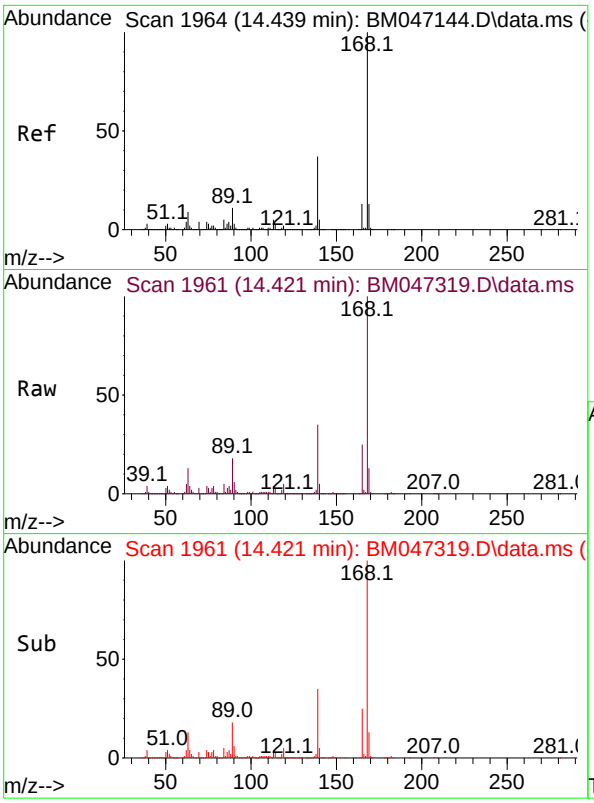


#54
2,4-Dinitrophenol
Concen: 112.597 ng
RT: 14.168 min Scan# 1918
Delta R.T. -0.007 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:184 Resp: 750464

Ion	Ratio	Lower	Upper
184	100		
63	55.0	52.7	79.1
154	58.8	50.4	75.6



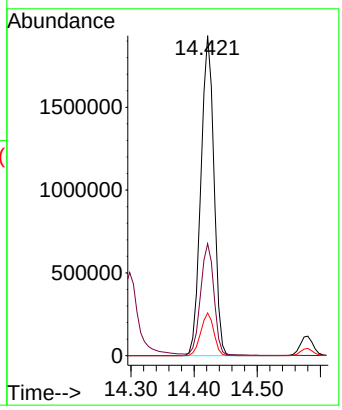


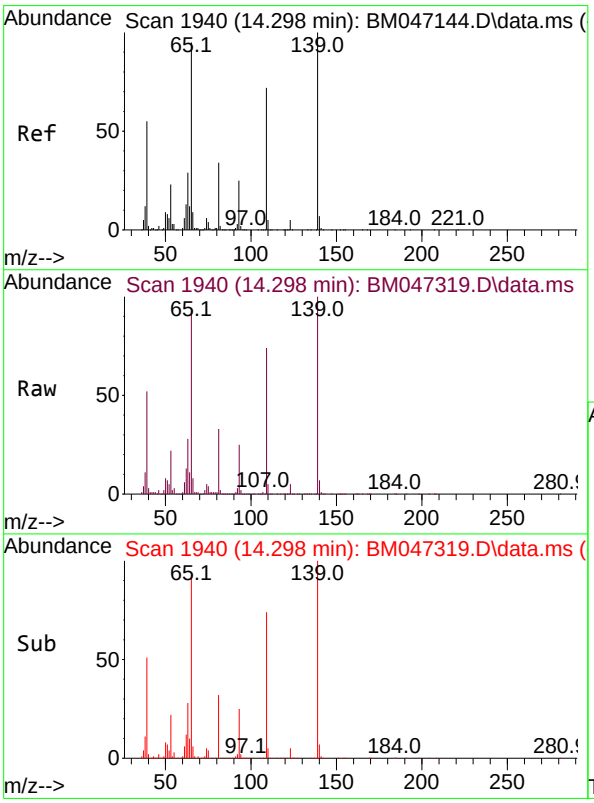
#55
Dibenzofuran
Concen: 49.717 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:168 Resp: 2783013

Ion	Ratio	Lower	Upper
168	100		
139	35.0	29.6	44.4
169	13.4	10.7	16.1

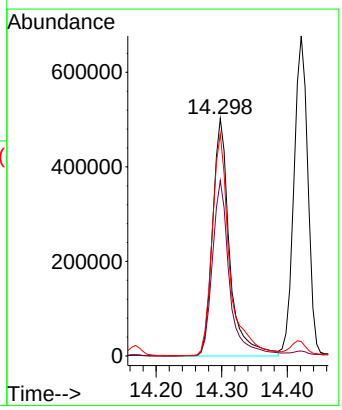


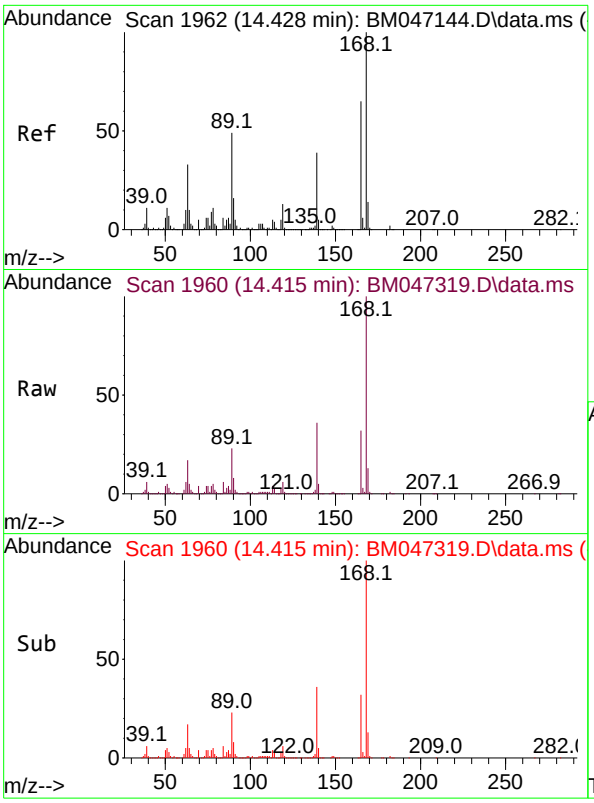


#56
4-Nitrophenol
Concen: 93.916 ng
RT: 14.298 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:139 Resp: 902428

Ion	Ratio	Lower	Upper
139	100		
109	73.9	52.5	92.5
65	93.5	75.4	115.4



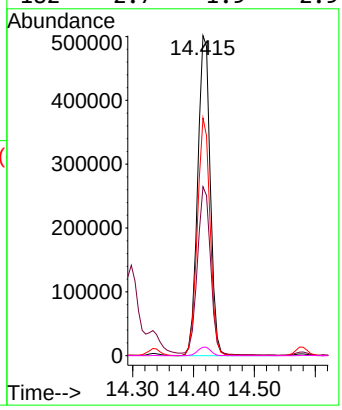


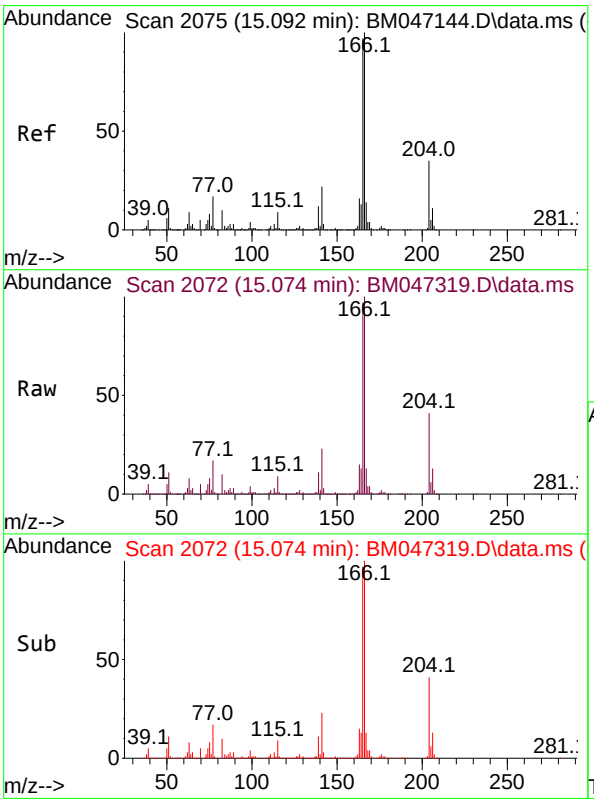
#57
2,4-Dinitrotoluene
Concen: 48.400 ng
RT: 14.415 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:165 Resp: 718414

Ion	Ratio	Lower	Upper
165	100		
63	52.8	40.3	60.5
89	74.3	61.0	91.6
182	2.7	1.9	2.9

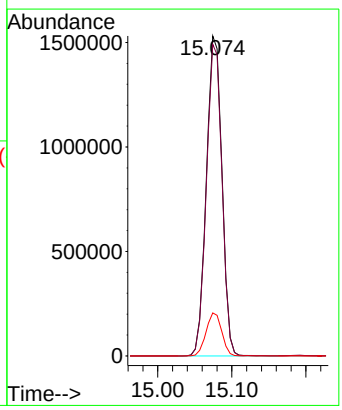


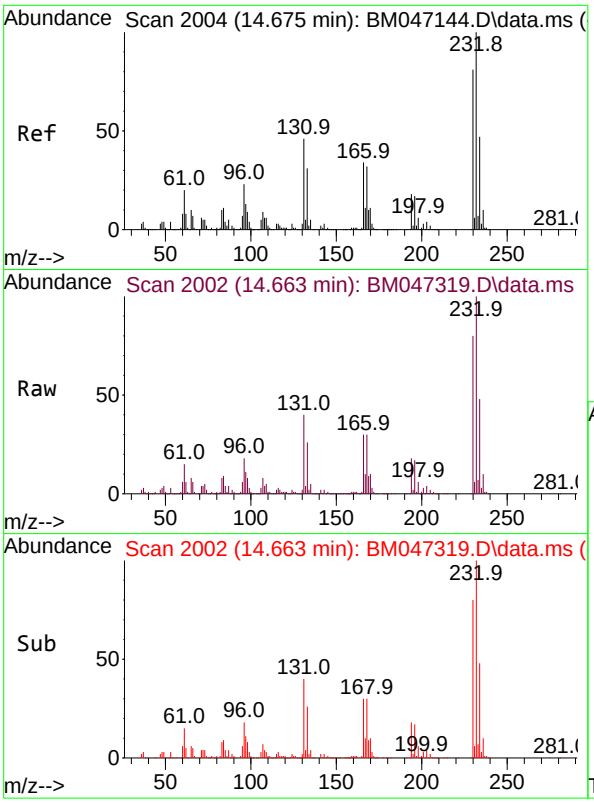


#58
Fluorene
Concen: 48.348 ng
RT: 15.074 min Scan# 2072
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:166 Resp: 2233074

Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.4	116.0
167	13.5	11.0	16.6



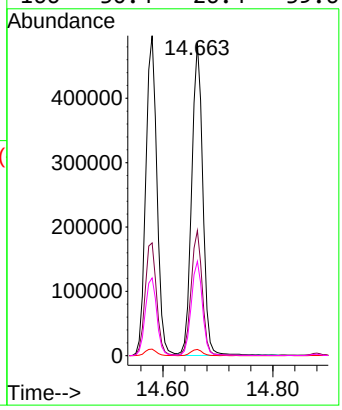


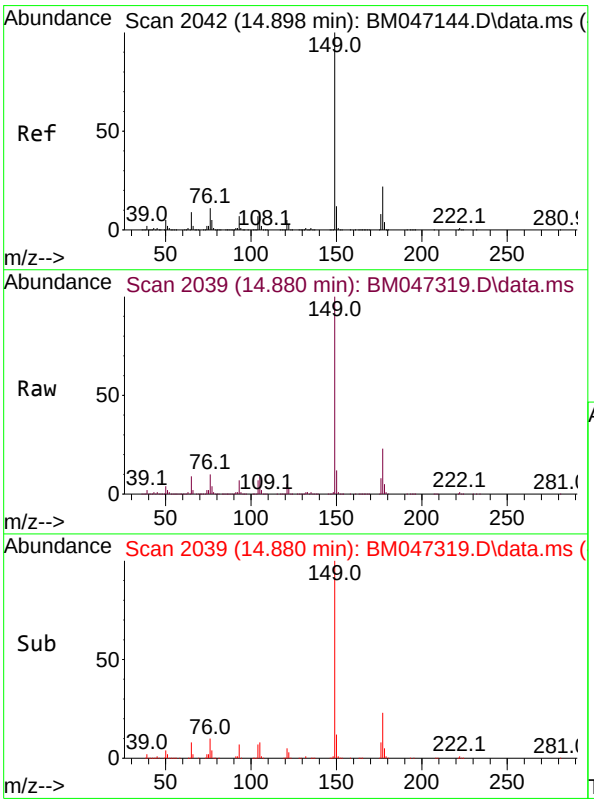
#59
2,3,4,6-Tetrachlorophenol
Concen: 56.359 ng
RT: 14.663 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:232 Resp: 679116

Ion	Ratio	Lower	Upper
232	100		
131	40.0	36.9	55.3
130	2.1	2.0	3.0
166	30.4	26.4	39.6

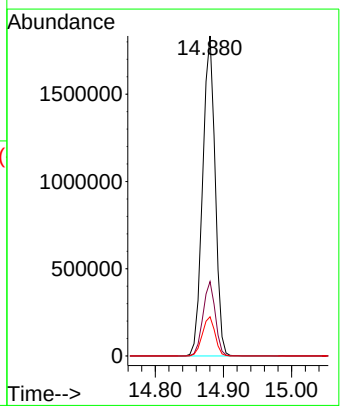


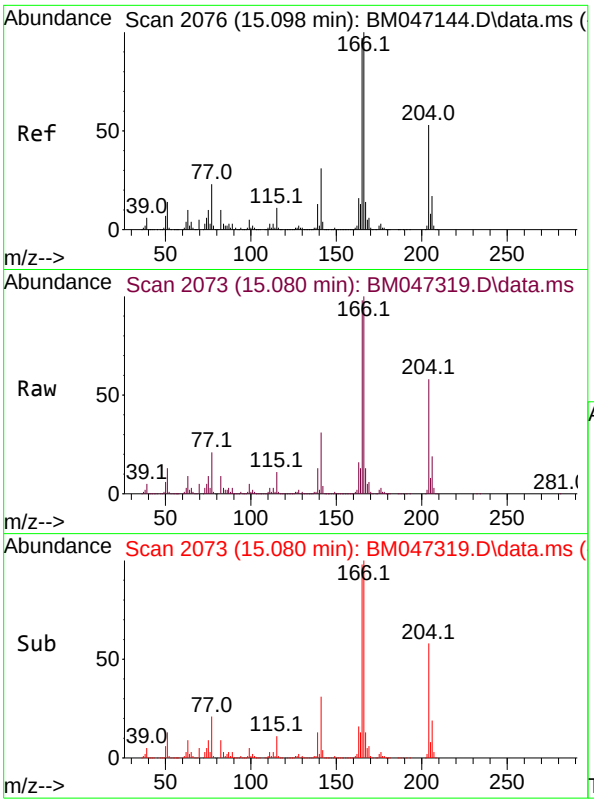


#60
Diethylphthalate
Concen: 48.097 ng
RT: 14.880 min Scan# 2039
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:149 Resp: 2336527

Ion	Ratio	Lower	Upper
149	100		
177	23.3	17.6	26.4
150	12.3	9.8	14.6



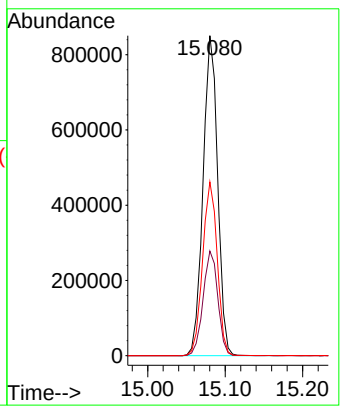


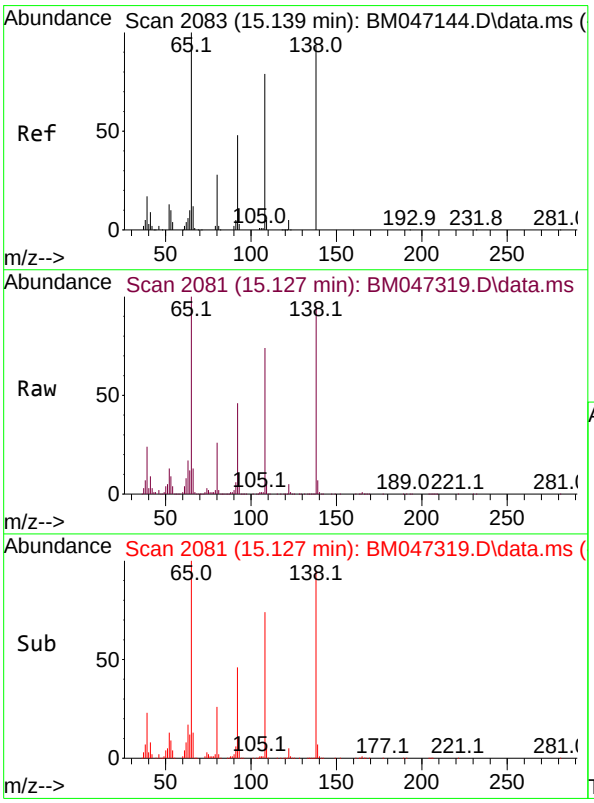
#61
4-Chlorophenyl-phenylether
Concen: 50.526 ng
RT: 15.080 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:204 Resp: 1111002

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.4
141	54.3	47.2	70.8

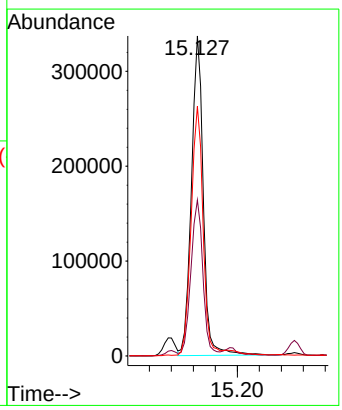


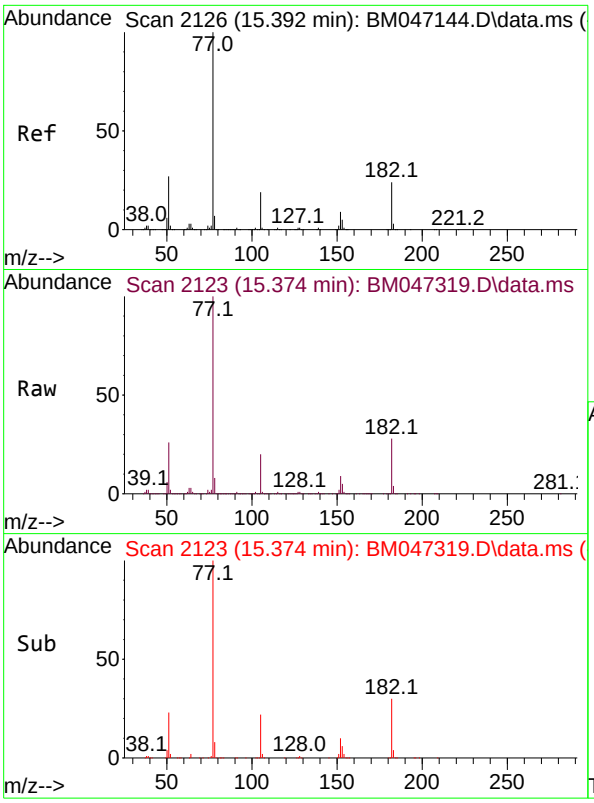


#62
4-Nitroaniline
Concen: 45.975 ng
RT: 15.127 min Scan# 2081
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:138 Resp: 504709

Ion	Ratio	Lower	Upper
138	100		
92	48.8	31.9	71.9
108	78.0	63.8	103.8



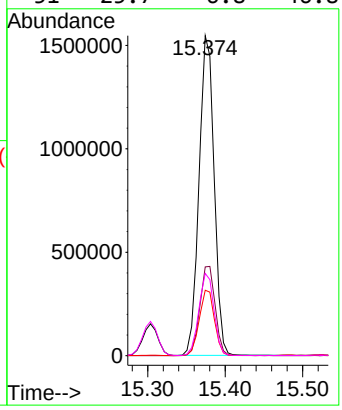


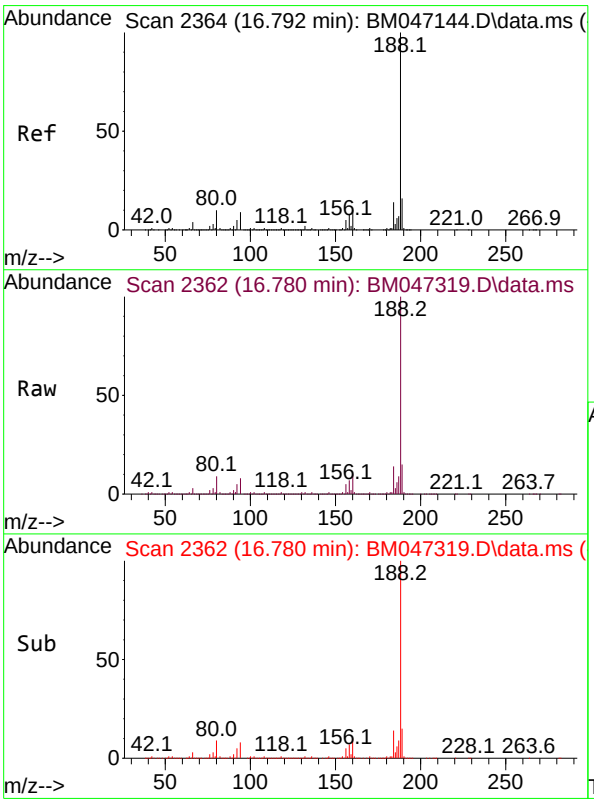
#63
Azobenzene
Concen: 45.404 ng
RT: 15.374 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion: 77 Resp: 2091378

Ion	Ratio	Lower	Upper
77	100		
182	27.7	3.8	43.8
105	20.5	0.0	39.5
51	25.7	6.8	46.8

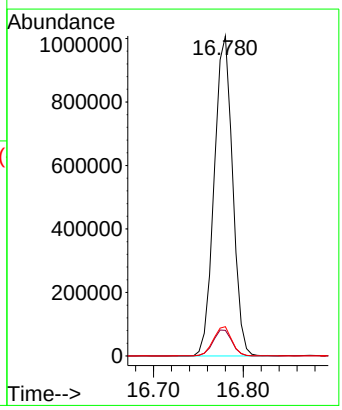


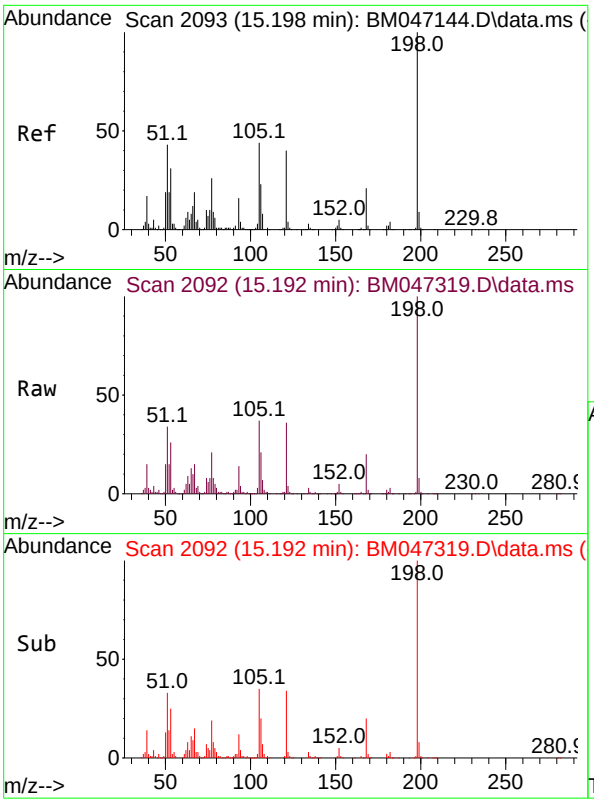


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.780 min Scan# 2362
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:188 Resp: 1434686

Ion	Ratio	Lower	Upper
188	100		
94	8.0	7.0	10.6
80	9.2	8.0	12.0



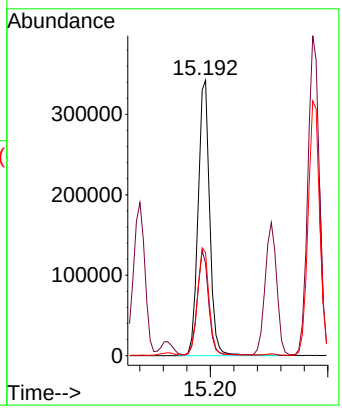


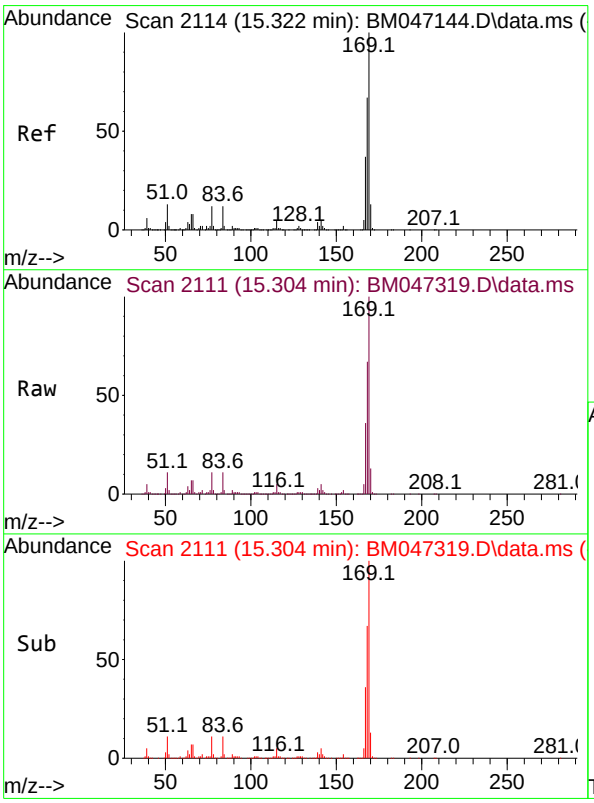
#65
4,6-Dinitro-2-methylphenol
Concen: 55.734 ng
RT: 15.192 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:198 Resp: 468157

Ion	Ratio	Lower	Upper
198	100		
51	33.5	23.9	63.9
105	37.4	24.3	64.3

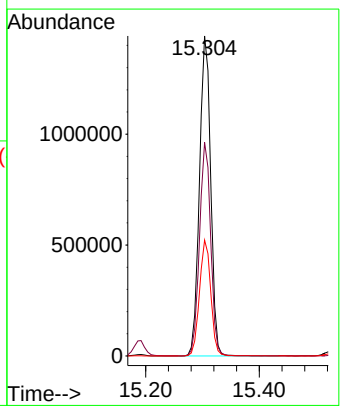


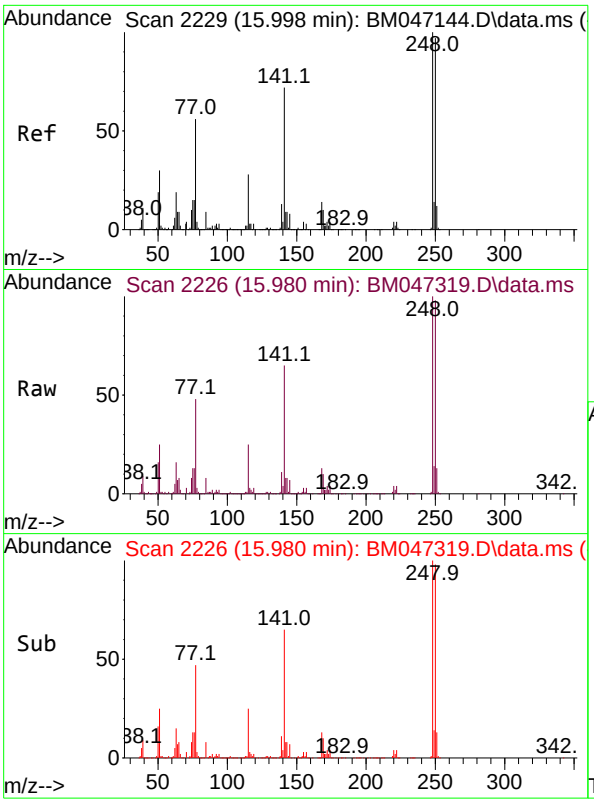


#66
n-Nitrosodiphenylamine
Concen: 50.590 ng
RT: 15.304 min Scan# 2111
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:169 Resp: 1976912

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.8	80.8
167	36.2	29.3	43.9



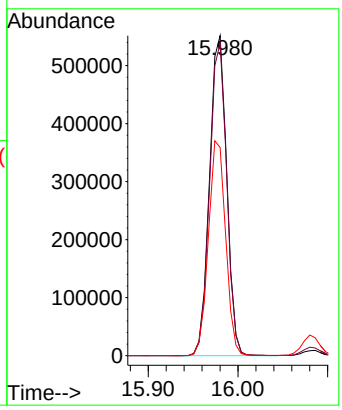


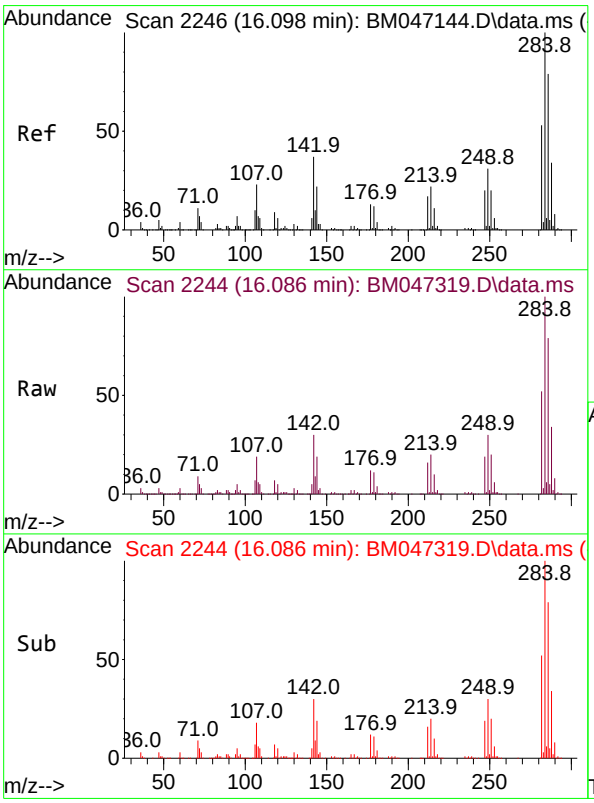
#67
4-Bromophenyl-phenylether
Concen: 53.178 ng
RT: 15.980 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:248 Resp: 735182

Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.8	116.8
141	65.1	57.7	86.5

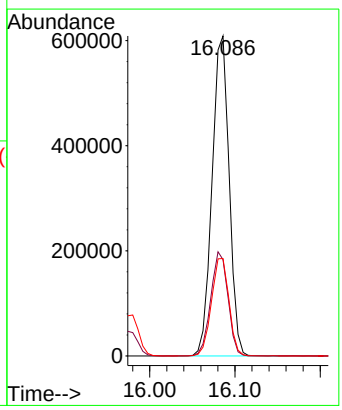


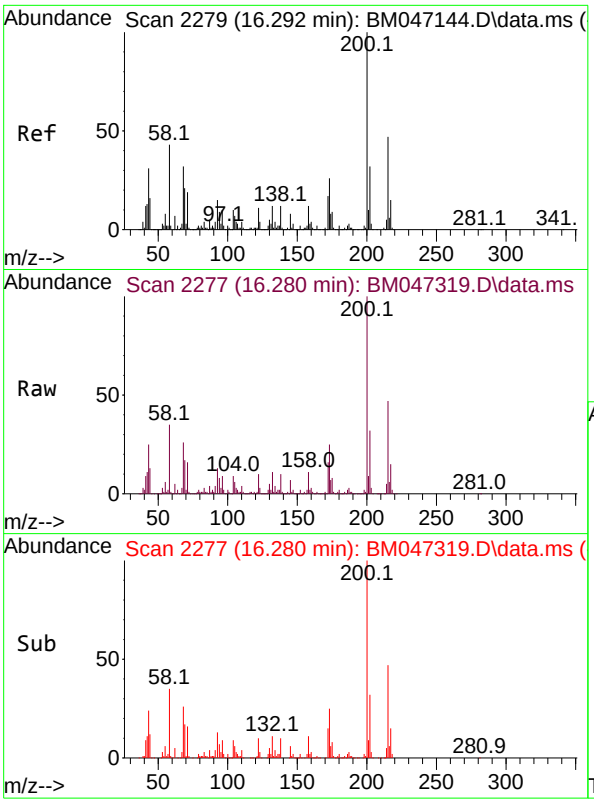


#68
Hexachlorobenzene
Concen: 51.129 ng
RT: 16.086 min Scan# 2244
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:284 Resp: 846570

Ion	Ratio	Lower	Upper
284	100		
142	30.1	29.4	44.0
249	30.5	25.1	37.7



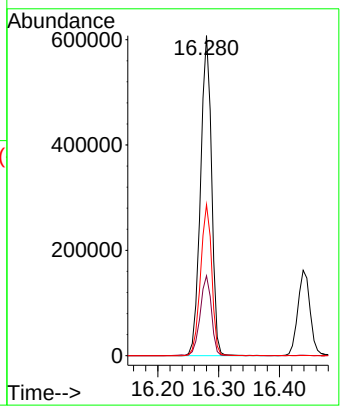


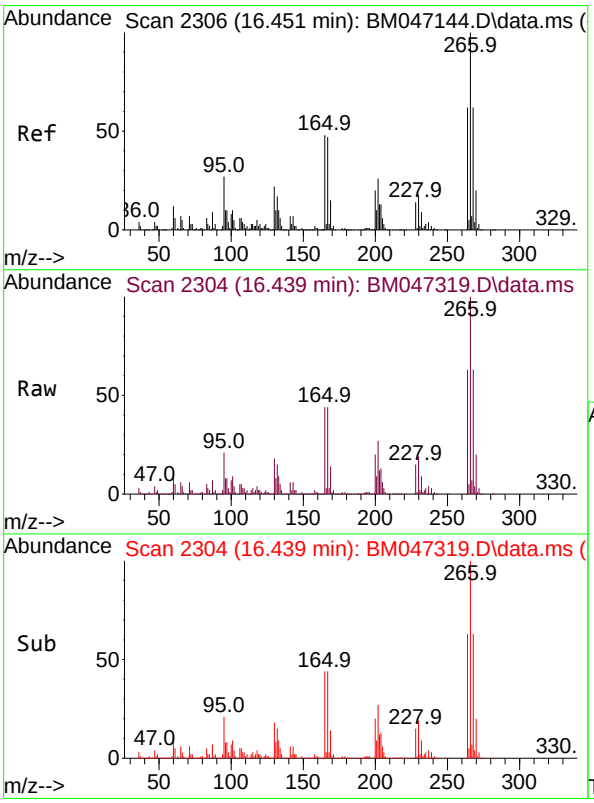
#69
Atrazine
Concen: 65.237 ng
RT: 16.280 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:200 Resp: 767123

Ion	Ratio	Lower	Upper
200	100		
173	25.0	6.1	46.1
215	47.2	26.8	66.8

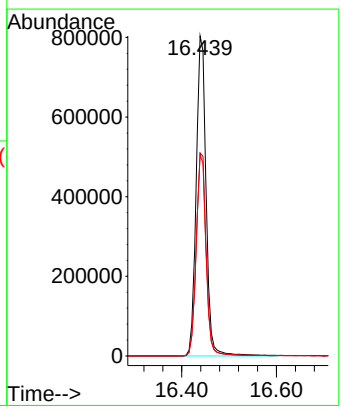


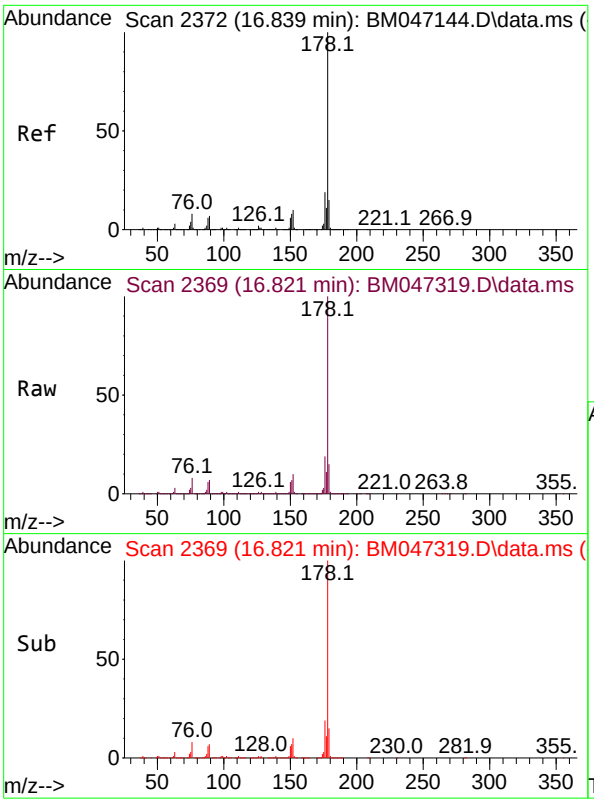


#70
Pentachlorophenol
Concen: 100.568 ng
RT: 16.439 min Scan# 2304
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:266 Resp: 1167237

Ion	Ratio	Lower	Upper
266	100		
268	63.5	49.8	74.6
264	63.0	49.6	74.4



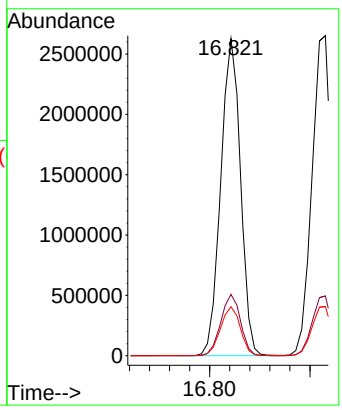


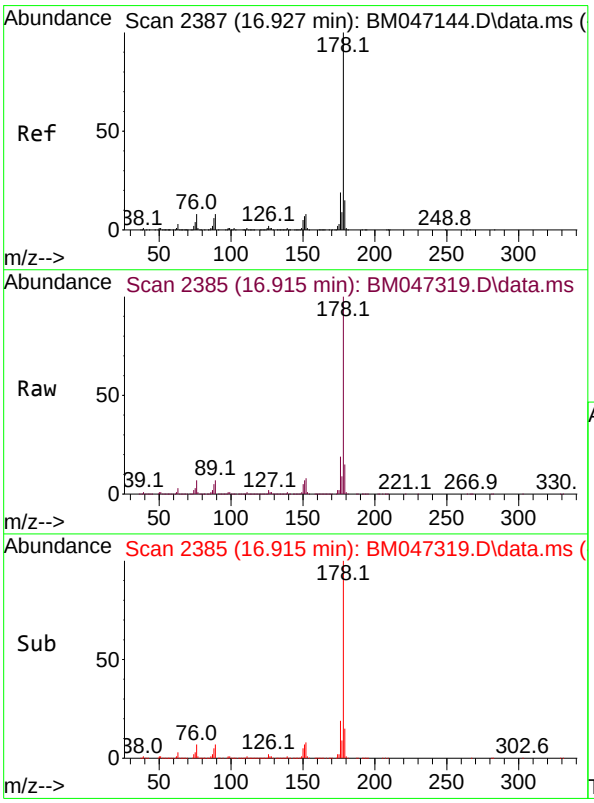
#71
Phenanthrene
Concen: 49.778 ng
RT: 16.821 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:178 Resp: 3584059

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.5	12.4	18.6

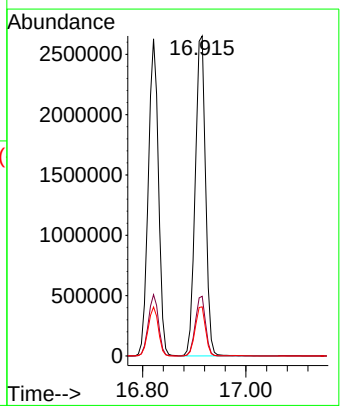


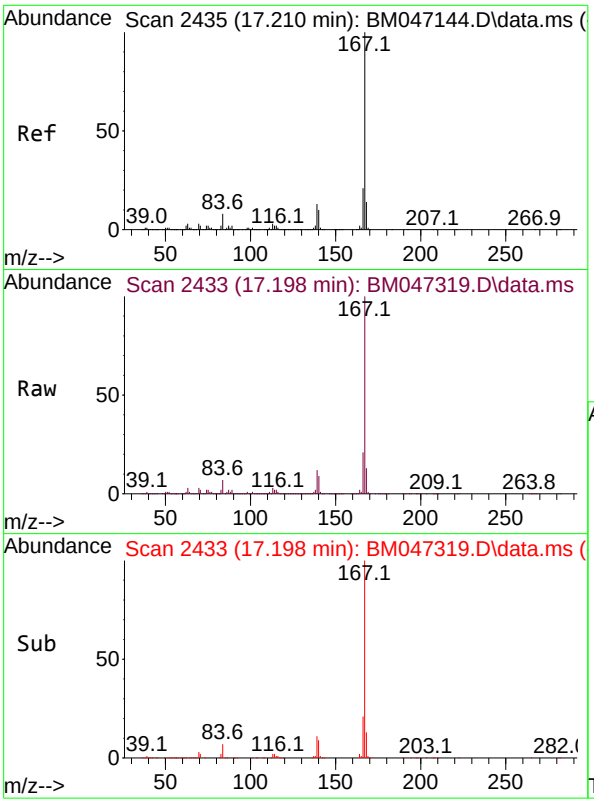


#72
Anthracene
Concen: 52.446 ng
RT: 16.915 min Scan# 2385
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:178 Resp: 3674292

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.4	12.4	18.6



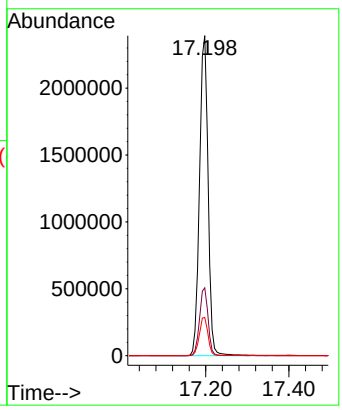


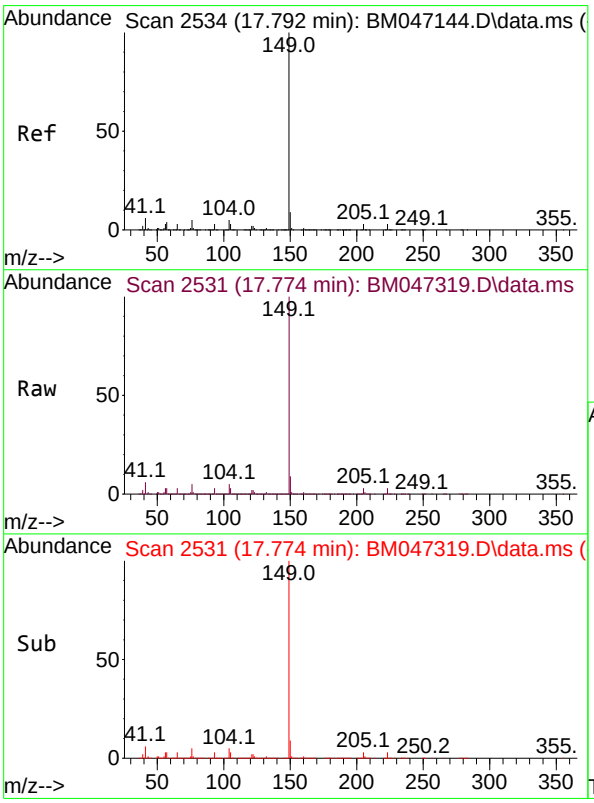
#73
Carbazole
Concen: 47.929 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:167 Resp: 3428450

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.1	25.7
139	12.0	10.0	15.0

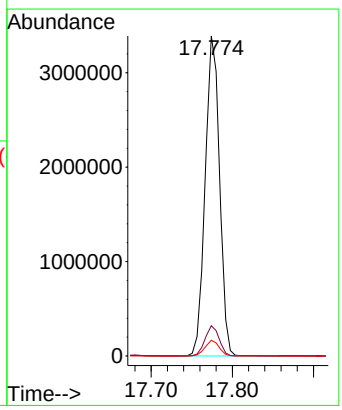


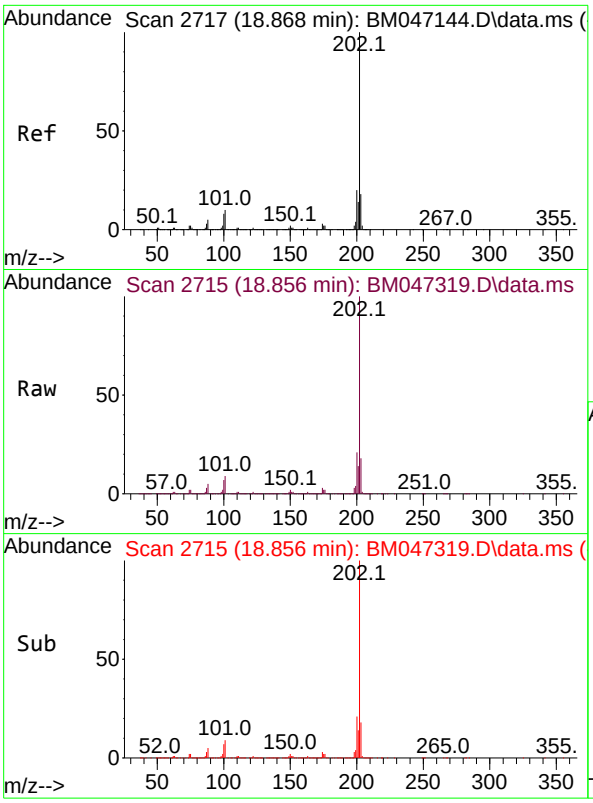


#74
Di-n-butylphthalate
Concen: 49.895 ng
RT: 17.774 min Scan# 2531
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:149 Resp: 4152848

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	4.9	4.1	6.1



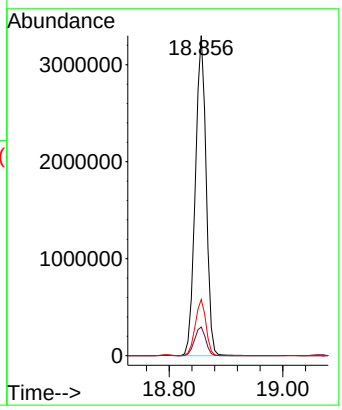


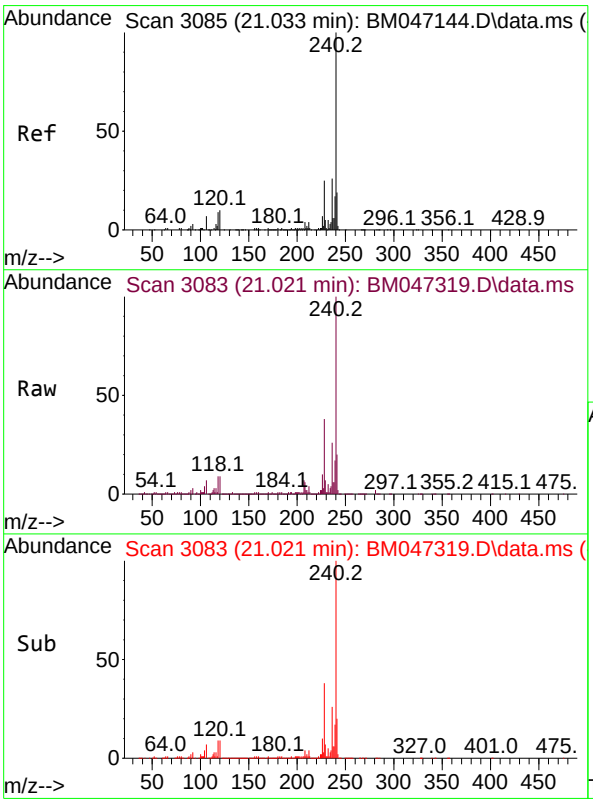
#75
Fluoranthene
Concen: 49.885 ng
RT: 18.856 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:202 Resp: 4368791

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	30.2
203	17.5	0.0	37.6

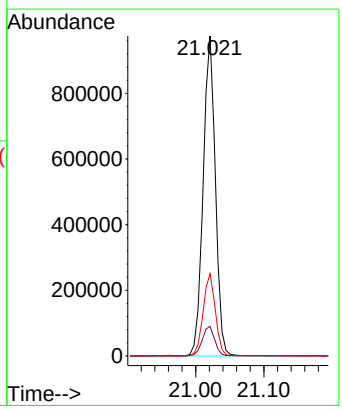


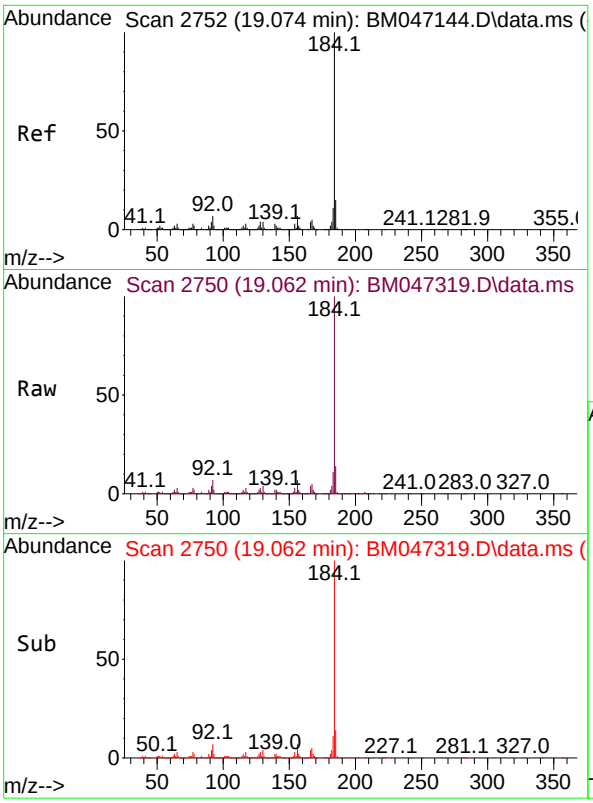


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:240 Resp: 1216241

Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.2	12.2
236	25.8	20.6	30.8



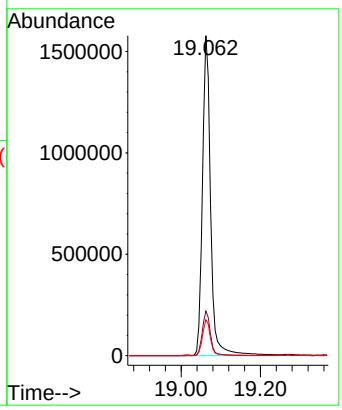


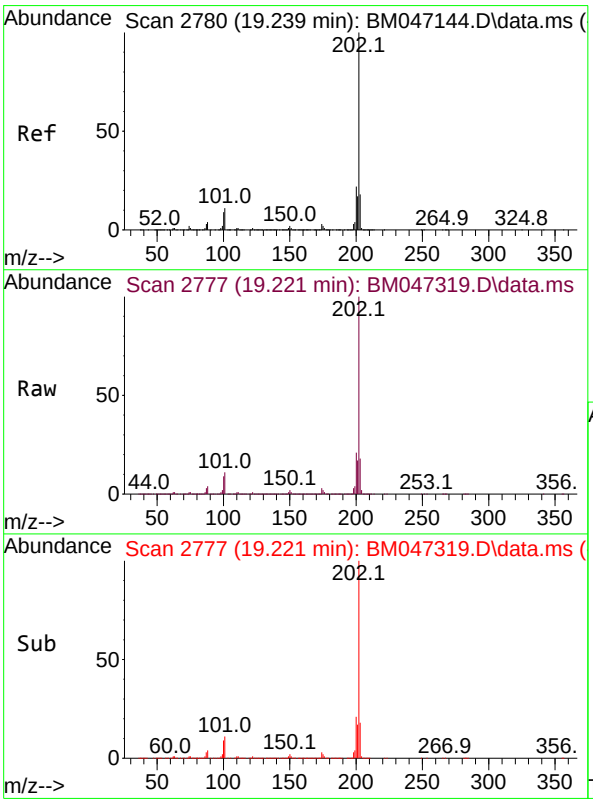
#77
Benzidine
Concen: 109.972 ng
RT: 19.062 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:184 Resp: 2268236

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.8	17.6
183	11.3	9.0	13.6

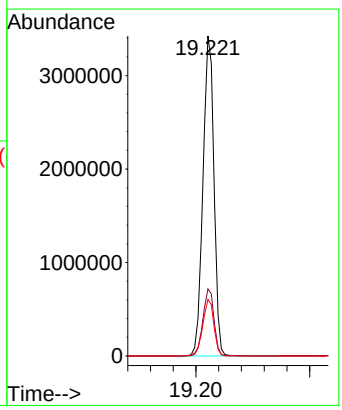


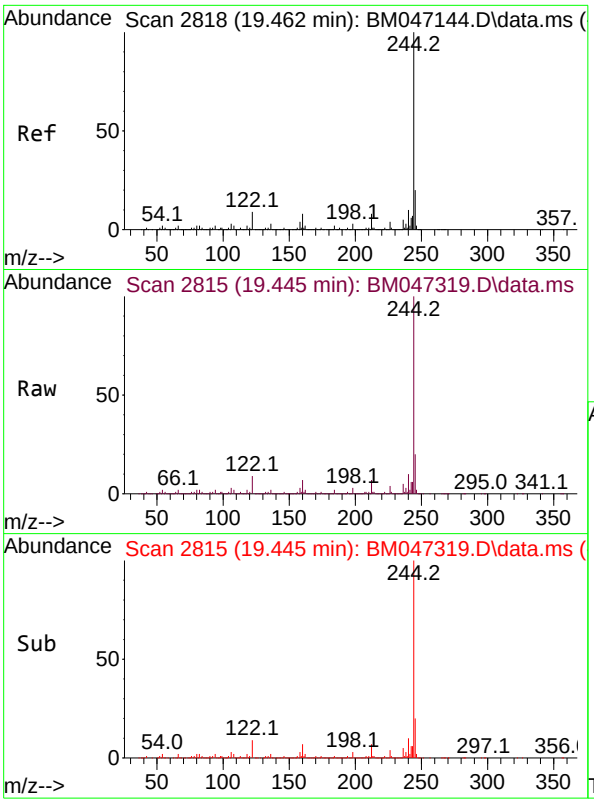


#78
Pyrene
Concen: 52.698 ng
RT: 19.221 min Scan# 2777
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:202 Resp: 4576440

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.2	25.8
203	17.7	14.2	21.2



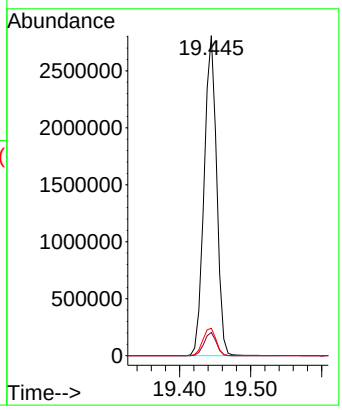


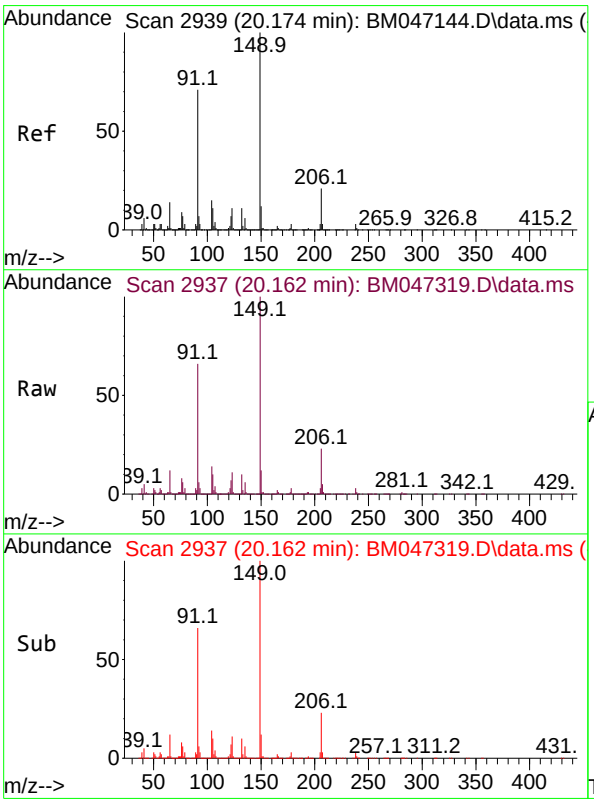
#79
Terphenyl-d14
Concen: 60.599 ng
RT: 19.445 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:244 Resp: 3439615

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.4
122	8.5	7.1	10.7

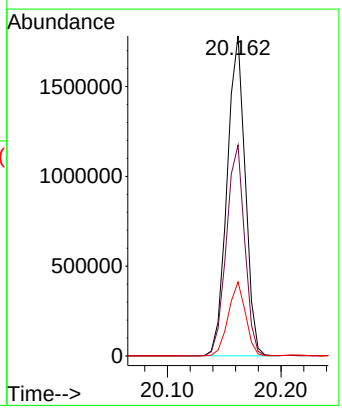


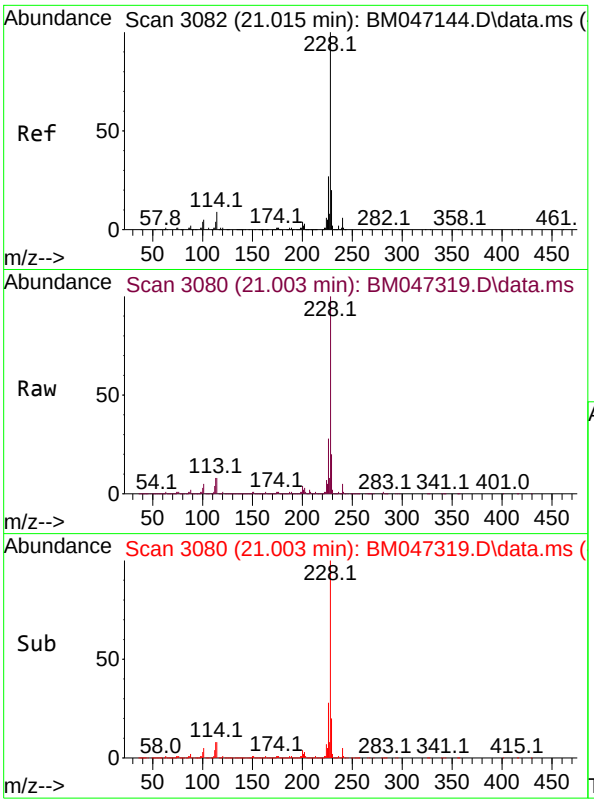


#80
Butylbenzylphthalate
Concen: 55.647 ng
RT: 20.162 min Scan# 2937
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:149 Resp: 1972160

Ion	Ratio	Lower	Upper
149	100		
91	65.9	57.0	85.4
206	23.1	16.4	24.6



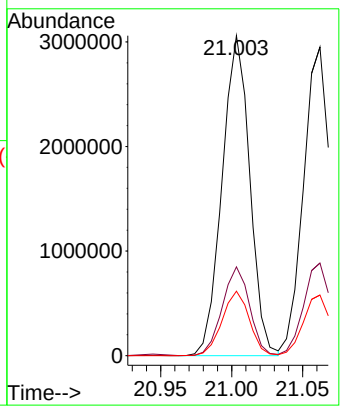


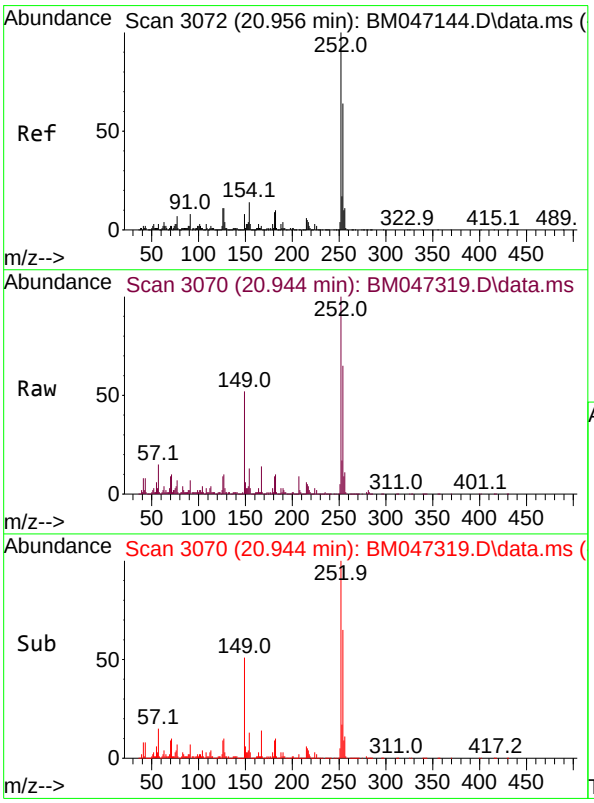
#81
Benzo(a)anthracene
Concen: 51.397 ng
RT: 21.003 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:228 Resp: 4149843

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.6
229	20.1	15.8	23.8

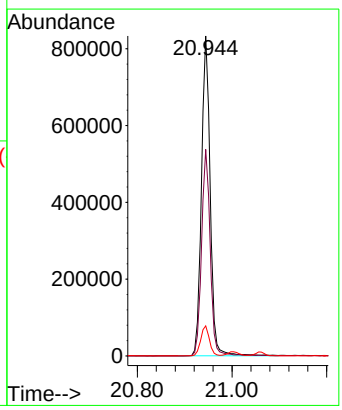


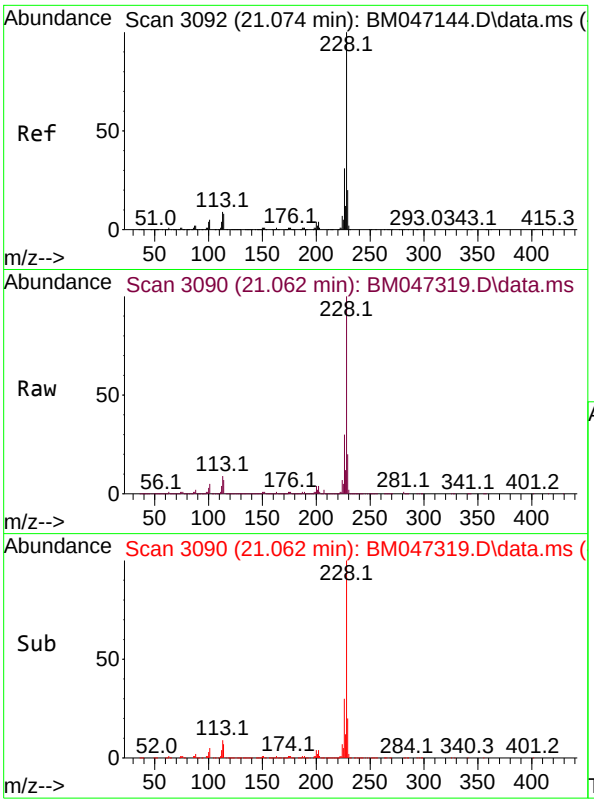


#82
3,3'-Dichlorobenzidine
Concen: 42.321 ng
RT: 20.944 min Scan# 3070
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:252 Resp: 1069129

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.0	76.6
126	9.4	8.5	12.7



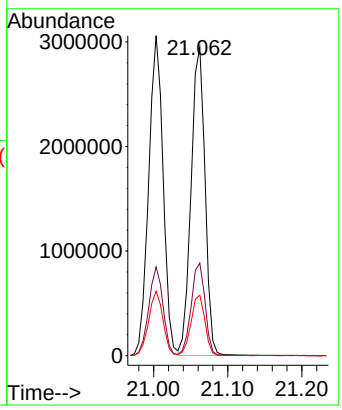


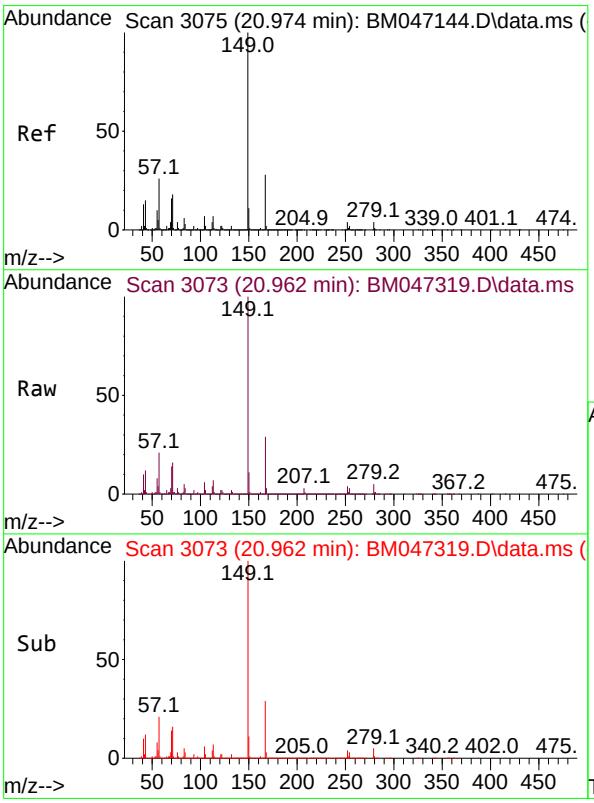
#83
Chrysene
Concen: 50.374 ng
RT: 21.062 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:228 Resp: 3858865

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.4	36.6
229	19.6	15.7	23.5

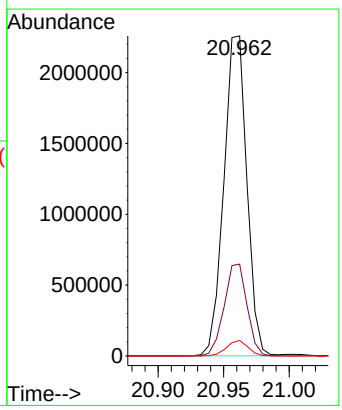


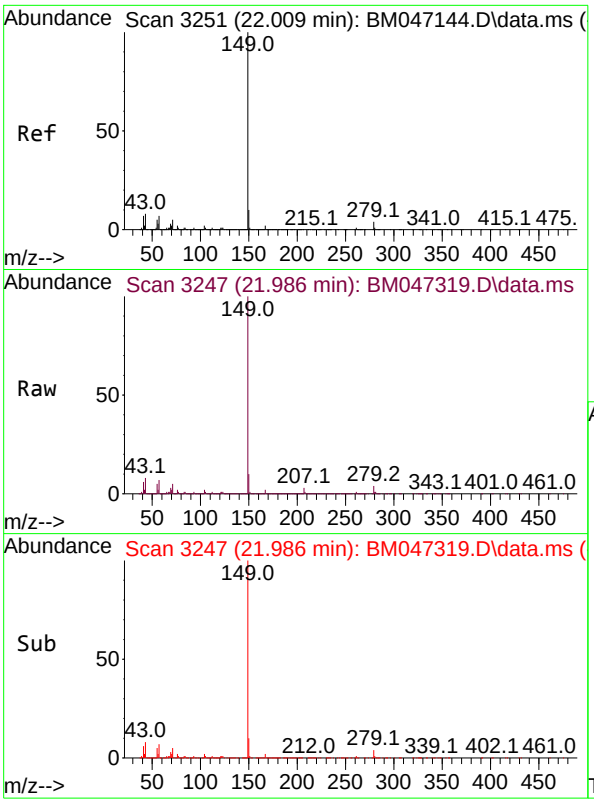


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.857 ng
RT: 20.962 min Scan# 3073
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:149 Resp: 2757138

Ion	Ratio	Lower	Upper
149	100		
167	28.7	22.2	33.2
279	4.9	3.0	4.4#



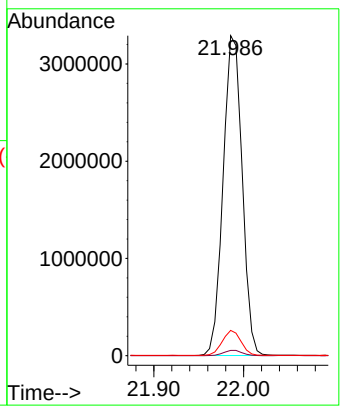


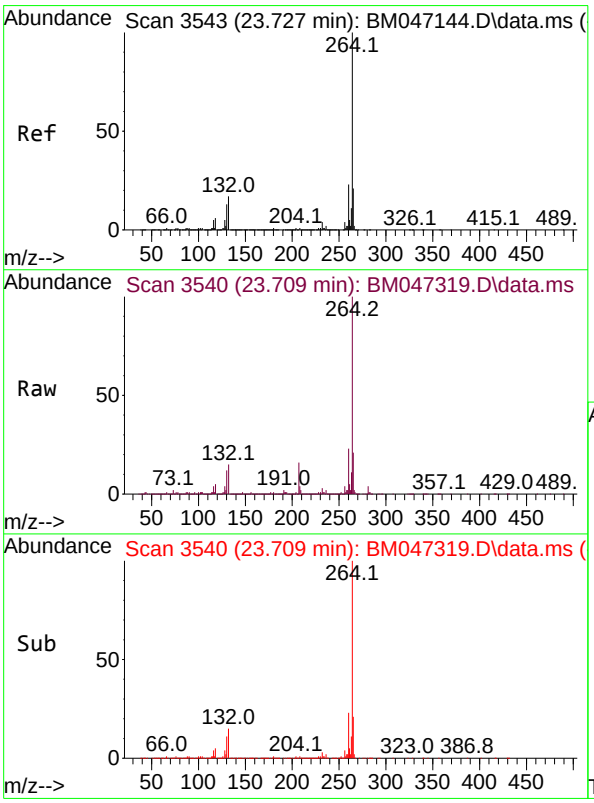
#85
Di-n-octyl phthalate
Concen: 56.757 ng
RT: 21.986 min Scan# 3
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:149 Resp: 4848697

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.6	6.9	10.3

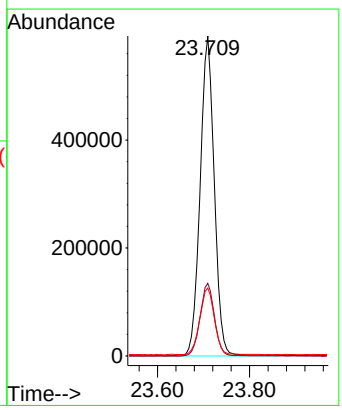


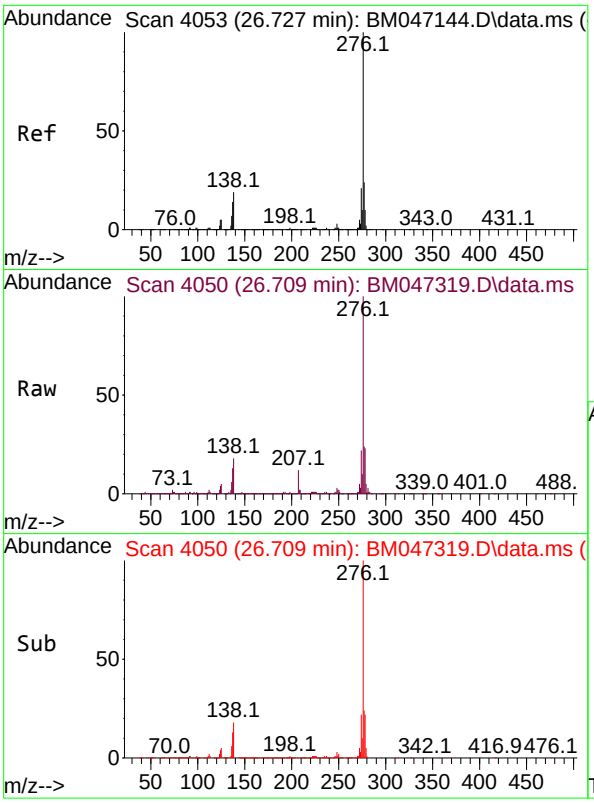


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.709 min Scan# 3540
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:264 Resp: 1268089

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.5	27.7
265	21.2	17.3	25.9



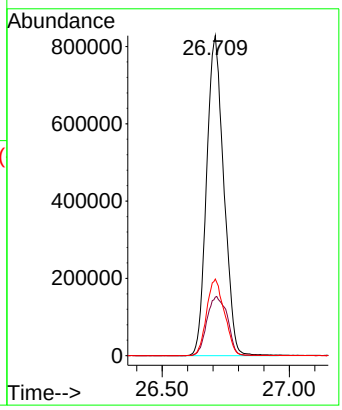


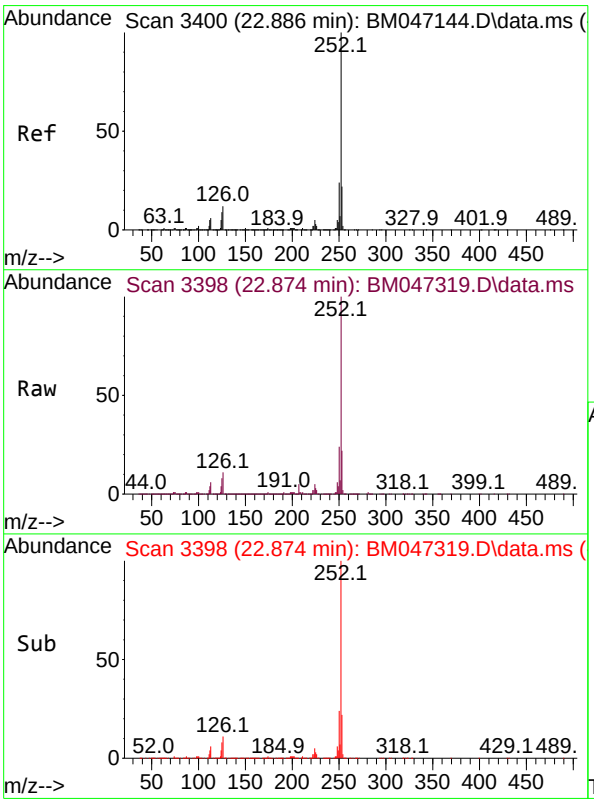
#87
Indeno(1,2,3-cd)pyrene
Concen: 47.389 ng
RT: 26.709 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:276 Resp: 3884310

Ion	Ratio	Lower	Upper
276	100		
138	22.0	19.4	29.0
277	24.9	20.1	30.1

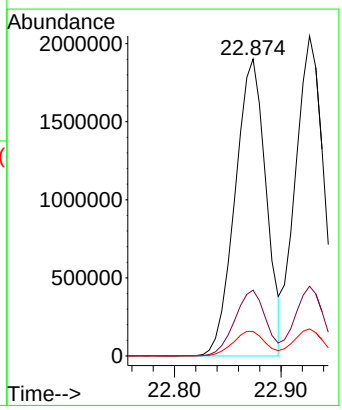


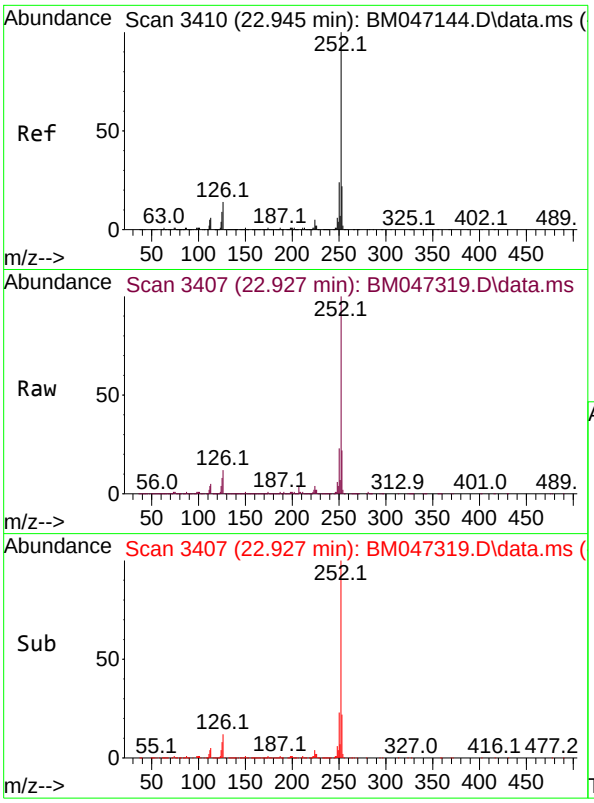


#88
Benzo(b)fluoranthene
Concen: 50.915 ng
RT: 22.874 min Scan# 3398
Delta R.T. -0.012 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:252 Resp: 3834235

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	8.3	7.4	11.0



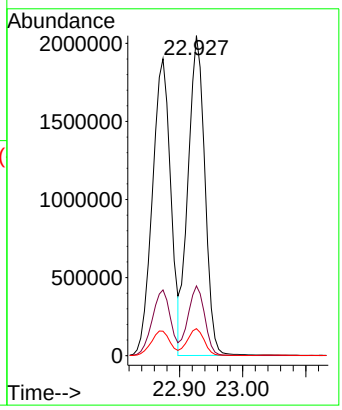


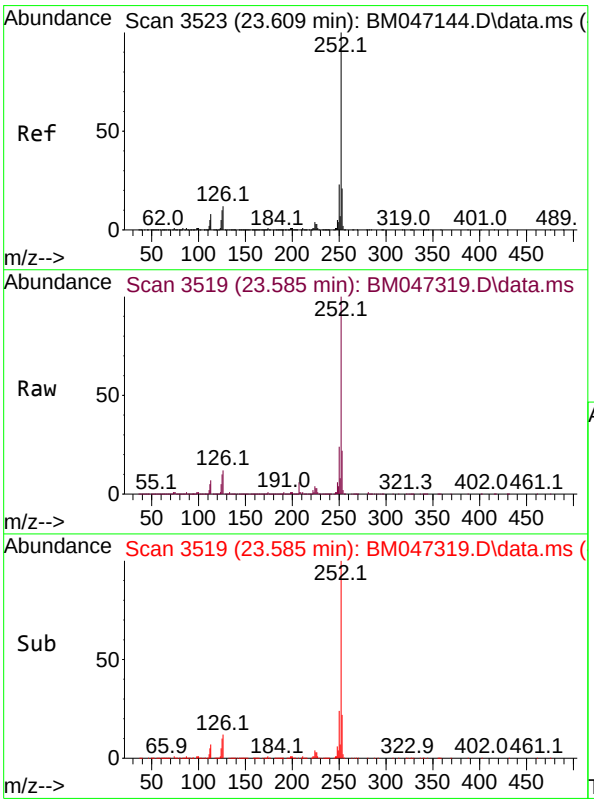
#89
Benzo(k)fluoranthene
Concen: 53.140 ng
RT: 22.927 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:252 Resp: 3779869

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	8.5	7.4	11.2

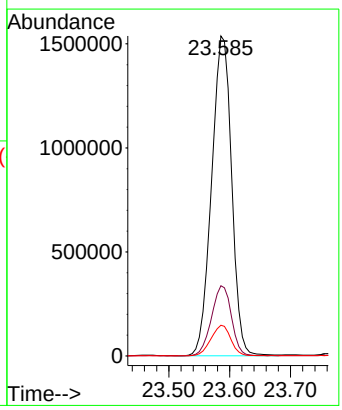


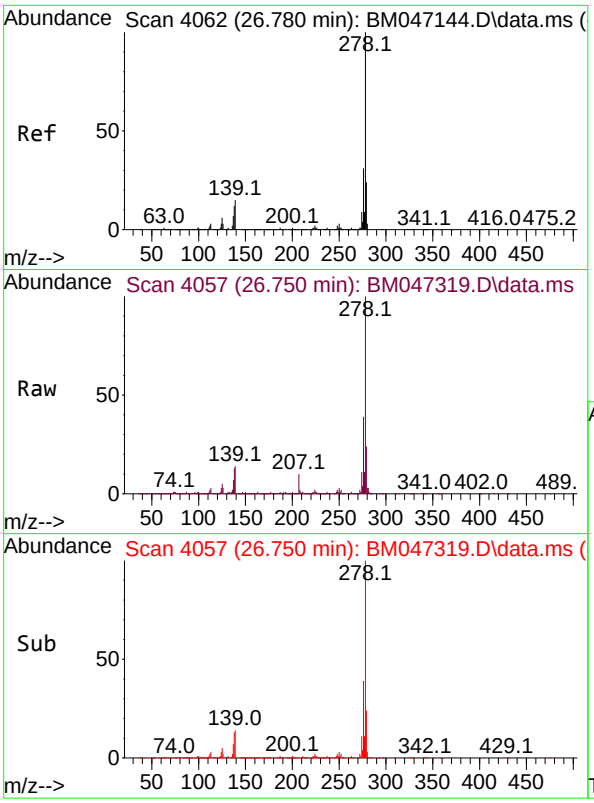


#90
Benzo(a)pyrene
Concen: 53.835 ng
RT: 23.585 min Scan# 3519
Delta R.T. -0.024 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:252 Resp: 3511970

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	9.6	8.2	12.2



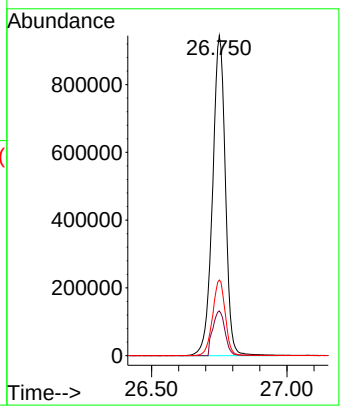


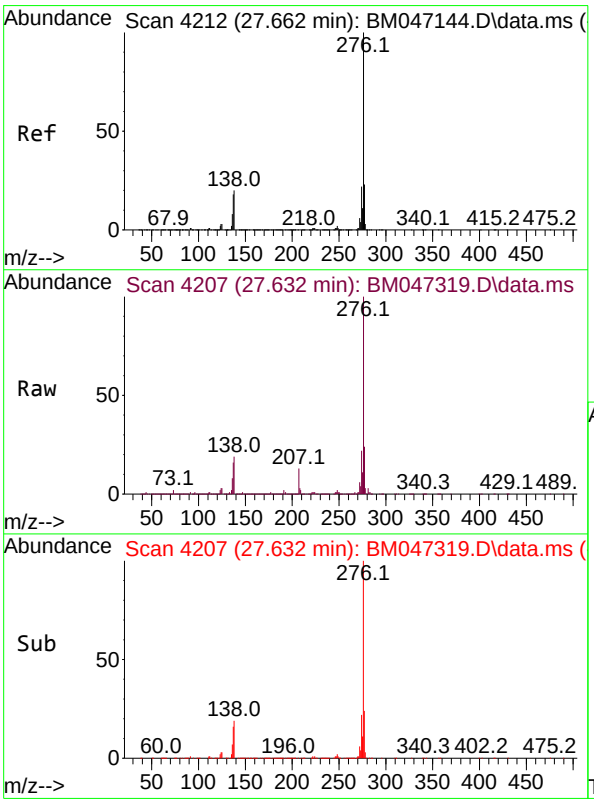
#91
Dibenzo(a,h)anthracene
Concen: 46.851 ng
RT: 26.750 min Scan# 4
Delta R.T. -0.030 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Instrument :
BNA_M
ClientSampleId :
S-928-KI-SO-0.5-1-081924MSD

Tgt Ion:278 Resp: 3107788

Ion	Ratio	Lower	Upper
278	100		
139	14.0	12.0	18.0
279	23.7	19.2	28.8

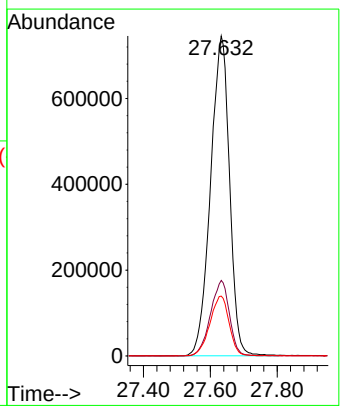




#92
Benzo(g,h,i)perylene
Concen: 42.631 ng
RT: 27.632 min Scan# 4207
Delta R.T. -0.030 min
Lab File: BM047319.D
Acq: 22 Aug 2024 16:30

Tgt Ion:276 Resp: 2936041

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.8	28.2
138	18.7	16.2	24.4



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

Manual Integration Report

Sequence:	BF082024	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF139079.D	Phenol	Jagrut	8/21/2024 10:34:41 AM	mohammad	8/22/2024 7:52:09 AM	Peak Integrated by Software
SSTDICCC040	BF139082.D	Caprolactam	Jagrut	8/21/2024 10:34:31 AM	mohammad	8/22/2024 7:52:09 AM	Peak Integrated by Software
SSTDICC060	BF139084.D	Aniline	Jagrut	8/21/2024 10:34:33 AM	mohammad	8/22/2024 7:52:09 AM	Peak Integrated by Software
SSTDICC080	BF139085.D	Aniline	Jagrut	8/21/2024 10:34:36 AM	mohammad	8/22/2024 7:52:09 AM	Peak Integrated by Software
SSTDICC080	BF139085.D	Benzoic acid	Jagrut	8/21/2024 10:34:36 AM	mohammad	8/22/2024 7:52:09 AM	Peak Integrated by Software
SSTDICC080	BF139085.D	bis(2-Chloroethyl)ether	Jagrut	8/21/2024 10:34:36 AM	mohammad	8/22/2024 7:52:09 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	Bf082224	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P3671-12	BF139135.D	Benzo(b)fluoranthene	yogesh	8/23/2024 6:48:08 AM	mohammad	8/23/2024 6:56:56 AM	Peak Integrated by Software
P3671-12	BF139135.D	Benzo(k)fluoranthene	yogesh	8/23/2024 6:48:08 AM	mohammad	8/23/2024 6:56:56 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf082624	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF139159.D	Benzoic acid	Jagrut	8/26/2024 3:54:57 PM	mohammad	8/28/2024 1:33:27 AM	Peak Integrated by Software
P3671-01DL	BF139161.D	Benzo(b)fluoranthene	Jagrut	8/26/2024 3:54:52 PM	mohammad	8/28/2024 1:33:27 AM	Peak Integrated by Software
P3671-01DL	BF139161.D	Benzo(k)fluoranthene	Jagrut	8/26/2024 3:54:52 PM	mohammad	8/28/2024 1:33:27 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BM081024	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM047141.D	4-Nitroaniline	Jagrut	8/12/2024 5:01:33 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software
SSTDICC005	BM047141.D	Benzoic acid	Jagrut	8/12/2024 5:01:33 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software
SSTDICC010	BM047142.D	4-Nitroaniline	Jagrut	8/12/2024 5:01:36 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software
SSTDICC020	BM047143.D	4-Nitroaniline	Jagrut	8/12/2024 5:01:39 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software
SSTDICCC040	BM047144.D	Pyridine	Jagrut	8/12/2024 5:01:41 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software
SSTDICC050	BM047145.D	Pyridine	Jagrut	8/12/2024 5:01:44 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software
SSTDICC060	BM047146.D	Caprolactam	Jagrut	8/12/2024 5:01:46 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software
SSTDICC060	BM047146.D	Pyridine	Jagrut	8/12/2024 5:01:46 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software
SSTDICC080	BM047147.D	Caprolactam	Jagrut	8/12/2024 5:01:48 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software
SSTDICC080	BM047147.D	Pyridine	Jagrut	8/12/2024 5:01:48 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software
SSTDICV040	BM047148.D	Pyridine	Jagrut	8/12/2024 5:01:51 PM	mohammad	8/13/2024 5:17:30 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bm082224	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P3671-08	BM047322.D	Benzo(k)fluoranthene	yogesh	8/23/2024 6:43:49 AM	mohammad	8/23/2024 6:56:43 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BP081324	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP021482.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:48:54 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC010	BP021483.D	2,2"-oxybis(1-Chloropro pane)	yogesh	8/14/2024 5:48:55 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC020	BP021484.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:48:57 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICCC040	BP021485.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:48:59 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICCC040	BP021485.D	Pyridine	yogesh	8/14/2024 5:48:59 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC050	BP021486.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:49:00 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC050	BP021486.D	Pyridine	yogesh	8/14/2024 5:49:00 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC060	BP021487.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:49:01 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC060	BP021487.D	Pyridine	yogesh	8/14/2024 5:49:01 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC080	BP021488.D	Caprolactam	yogesh	8/14/2024 5:49:03 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC080	BP021488.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:49:03 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC080	BP021488.D	Pyridine	yogesh	8/14/2024 5:49:03 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICV040	BP021489.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:49:04 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BP081324	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICV040	BP021489.D	Pyridine	yogesh	8/14/2024 5:49:04 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BP082224	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP021607.D	Acenaphthene	yogesh	8/23/2024 6:46:24 AM	mohammad	8/23/2024 6:56:49 AM	Peak Integrated by Software
SSTDCCC040	BP021607.D	Benzaldehyde	yogesh	8/23/2024 6:46:24 AM	mohammad	8/23/2024 6:56:49 AM	Peak Integrated by Software
SSTDCCC040	BP021607.D	Indeno(1,2,3-cd)pyrene	yogesh	8/23/2024 6:46:24 AM	mohammad	8/23/2024 6:56:49 AM	Peak Integrated by Software
P3671-06	BP021611.D	Benzo(k)fluoranthene	yogesh	8/23/2024 6:46:27 AM	mohammad	8/23/2024 6:56:49 AM	Peak Integrated by Software
P3671-05	BP021613.D	Benzoic acid	yogesh	8/23/2024 6:46:29 AM	mohammad	8/23/2024 6:56:49 AM	Peak Integrated by Software
P3671-01	BP021614.D	Benzo(k)fluoranthene	yogesh	8/23/2024 6:46:30 AM	mohammad	8/23/2024 6:56:49 AM	Peak Integrated by Software
P3671-02	BP021620.D	Benzo(k)fluoranthene	yogesh	8/23/2024 6:46:34 AM	mohammad	8/23/2024 6:56:49 AM	Peak Integrated by Software
P3671-11	BP021621.D	Benzo(k)fluoranthene	yogesh	8/23/2024 6:46:36 AM	mohammad	8/23/2024 6:56:49 AM	Peak Integrated by Software
SSTDCCC040	BP021622.D	Acenaphthene	yogesh	8/23/2024 6:46:44 AM	mohammad	8/23/2024 6:56:49 AM	Peak Integrated by Software
SSTDCCC040	BP021622.D	Benzaldehyde	yogesh	8/23/2024 6:46:44 AM	mohammad	8/23/2024 6:56:49 AM	Peak Integrated by Software
SSTDCCC040	BP021622.D	Pyridine	yogesh	8/23/2024 6:46:44 AM	mohammad	8/23/2024 6:56:49 AM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082024

Review By	Jagrut	Review On	8/21/2024 10:35:25 AM				
Supervise By	mohammad	Supervise On	8/22/2024 7:52:09 AM				
SubDirectory	BF082024	HP Acquire Method	BNA_F		HP Processing Method	bf082024	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139077.D	20 Aug 2024 16:39	RC/JU	Ok
2	SSTDICC2.5	BF139078.D	20 Aug 2024 17:10	RC/JU	Ok
3	SSTDICC005	BF139079.D	20 Aug 2024 17:40	RC/JU	Ok,M
4	SSTDICC010	BF139080.D	20 Aug 2024 18:10	RC/JU	Ok
5	SSTDICC020	BF139081.D	20 Aug 2024 18:40	RC/JU	Ok
6	SSTDICCC040	BF139082.D	20 Aug 2024 19:10	RC/JU	Ok,M
7	SSTDICC050	BF139083.D	20 Aug 2024 19:41	RC/JU	Ok
8	SSTDICC060	BF139084.D	20 Aug 2024 20:11	RC/JU	Ok,M
9	SSTDICC080	BF139085.D	20 Aug 2024 20:41	RC/JU	Ok,M
10	SSTDICV040	BF139086.D	20 Aug 2024 21:41	RC/JU	Ok
11	PB162687BL	BF139087.D	20 Aug 2024 22:10	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082224

Review By	yogesh	Review On	8/23/2024 6:48:24 AM				
Supervise By	mohammad	Supervise On	8/23/2024 6:56:56 AM				
SubDirectory	BF082224	HP Acquire Method	BNA_F		HP Processing Method	bf082024	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139112.D	22 Aug 2024 09:55	RC/JU	Ok
2	SSTDCCC040	BF139113.D	22 Aug 2024 10:25	RC/JU	Ok
3	PB162782BL	BF139114.D	22 Aug 2024 10:54	RC/JU	Not Ok
4	PB162687BS	BF139115.D	22 Aug 2024 11:23	RC/JU	Ok,M
5	PB162687BSD	BF139116.D	22 Aug 2024 11:53	RC/JU	Ok,M
6	P3641-04	BF139117.D	22 Aug 2024 12:22	RC/JU	Ok,M
7	P3663-03	BF139118.D	22 Aug 2024 12:52	RC/JU	Ok,M
8	P3641-02	BF139119.D	22 Aug 2024 13:22	RC/JU	Ok,M
9	P3640-01	BF139120.D	22 Aug 2024 13:51	RC/JU	Not Ok
10	P3641-06	BF139121.D	22 Aug 2024 14:20	RC/JU	Ok,M
11	P3641-08	BF139122.D	22 Aug 2024 14:50	RC/JU	Ok,M
12	P3641-09	BF139123.D	22 Aug 2024 15:21	RC/JU	Ok,M
13	P3641-10	BF139124.D	22 Aug 2024 15:51	RC/JU	Ok,M
14	P3641-01	BF139125.D	22 Aug 2024 16:21	RC/JU	Ok,M
15	P3663-09	BF139126.D	22 Aug 2024 16:51	RC/JU	Ok,M
16	P3663-11	BF139127.D	22 Aug 2024 17:21	RC/JU	Ok,M
17	P3663-12	BF139128.D	22 Aug 2024 17:51	RC/JU	Ok,M
18	P3641-03	BF139129.D	22 Aug 2024 18:21	RC/JU	Dilution
19	P3660-03DL	BF139130.D	22 Aug 2024 18:50	RC/JU	Ok,M
20	P3660-04DL	BF139131.D	22 Aug 2024 19:20	RC/JU	Ok,M
21	P3663-10DL	BF139132.D	22 Aug 2024 19:50	RC/JU	Ok,M

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082224

Review By	yogesh	Review On	8/23/2024 6:48:24 AM		
Supervise By	mohammad	Supervise On	8/23/2024 6:56:56 AM		
SubDirectory	BF082224	HP Acquire Method	BNA_F	HP Processing Method	bf082024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P3641-05	BF139133.D	22 Aug 2024 20:20	RC/JU	Ok,M
23	P3641-07	BF139134.D	22 Aug 2024 20:50	RC/JU	Ok,M
24	P3671-12	BF139135.D	22 Aug 2024 21:20	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_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082624

Review By	Jagrut	Review On	8/27/2024 9:04:58 AM		
Supervise By	mohammad	Supervise On	8/28/2024 1:33:27 AM		
SubDirectory	BF082624	HP Acquire Method	BNA_F	HP Processing Method	BF082024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139158.D	26 Aug 2024 09:14	RC/JU	Ok
2	SSTDCCC040	BF139159.D	26 Aug 2024 09:43	RC/JU	Ok,M
3	PB162917BL	BF139160.D	26 Aug 2024 10:13	RC/JU	Ok
4	P3671-01DL	BF139161.D	26 Aug 2024 10:51	RC/JU	Ok,M
5	P3641-03DL	BF139162.D	26 Aug 2024 11:21	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_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM081024

Review By	Jagrut	Review On	8/12/2024 5:03:24 PM				
Supervise By	mohammad	Supervise On	8/13/2024 5:17:30 AM				
SubDirectory	BM081024	HP Acquire Method	BNA_M		HP Processing Method	bm081024	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12039,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM047139.D	10 Aug 2024 12:26	RC/JU	Ok
2	SSTDICC2.5	BM047140.D	10 Aug 2024 13:12	RC/JU	Ok
3	SSTDICC005	BM047141.D	10 Aug 2024 13:52	RC/JU	Ok,M
4	SSTDICC010	BM047142.D	10 Aug 2024 14:31	RC/JU	Ok,M
5	SSTDICC020	BM047143.D	10 Aug 2024 15:11	RC/JU	Ok,M
6	SSTDICCC040	BM047144.D	10 Aug 2024 15:51	RC/JU	Ok,M
7	SSTDICC050	BM047145.D	10 Aug 2024 16:31	RC/JU	Ok,M
8	SSTDICC060	BM047146.D	10 Aug 2024 17:11	RC/JU	Ok,M
9	SSTDICC080	BM047147.D	10 Aug 2024 17:51	RC/JU	Ok,M
10	SSTDICV040	BM047148.D	10 Aug 2024 19:10	RC/JU	Ok,M
11	PB162577TB	BM047149.D	10 Aug 2024 19:50	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM082224

Review By	yogesh	Review On	8/23/2024 6:46:01 AM		
Supervise By	mohammad	Supervise On	8/23/2024 6:56:43 AM		
SubDirectory	BM082224	HP Acquire Method	BNA_M	HP Processing Method	bm081024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM047307.D	22 Aug 2024 08:35	RC/JU	Ok
2	SSTDCCC040	BM047308.D	22 Aug 2024 09:14	RC/JU	Ok
3	PB162876BL	BM047309.D	22 Aug 2024 09:54	RC/JU	Ok
4	PB162876BS	BM047310.D	22 Aug 2024 10:33	RC/JU	Ok
5	PB162574BL	BM047311.D	22 Aug 2024 11:13	RC/JU	Ok
6	PB162574BS	BM047312.D	22 Aug 2024 11:52	RC/JU	Not Ok
7	PB162757BL	BM047313.D	22 Aug 2024 12:32	RC/JU	Ok
8	P3671-14	BM047314.D	22 Aug 2024 13:11	RC/JU	Ok
9	P3671-09	BM047315.D	22 Aug 2024 13:51	RC/JU	Ok
10	P3671-13	BM047316.D	22 Aug 2024 14:31	RC/JU	Ok
11	P3671-10	BM047317.D	22 Aug 2024 15:10	RC/JU	Ok
12	P3671-10MS	BM047318.D	22 Aug 2024 15:50	RC/JU	Ok
13	P3671-10MSD	BM047319.D	22 Aug 2024 16:30	RC/JU	Ok
14	P3671-03	BM047320.D	22 Aug 2024 17:10	RC/JU	Ok
15	P3671-04	BM047321.D	22 Aug 2024 17:50	RC/JU	Ok
16	P3671-08	BM047322.D	22 Aug 2024 18:29	RC/JU	Ok,M
17	P3685-01	BM047323.D	22 Aug 2024 19:09	RC/JU	Ok
18	P3685-03	BM047324.D	22 Aug 2024 19:49	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081324

Review By	yogesh	Review On	8/14/2024 5:49:15 AM		
Supervise By	mohammad	Supervise On	8/14/2024 6:23:14 AM		
SubDirectory	BP081324	HP Acquire Method	BNA_P	HP Processing Method	BP081324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP021480.D	13 Aug 2024 11:49	RC/JU	Ok
2	SSTDICC2.5	BP021481.D	13 Aug 2024 12:32	RC/JU	Ok
3	SSTDICC005	BP021482.D	13 Aug 2024 13:15	RC/JU	Ok,M
4	SSTDICC010	BP021483.D	13 Aug 2024 13:59	RC/JU	Ok,M
5	SSTDICC020	BP021484.D	13 Aug 2024 14:42	RC/JU	Ok,M
6	SSTDICCC040	BP021485.D	13 Aug 2024 15:26	RC/JU	Ok,M
7	SSTDICC050	BP021486.D	13 Aug 2024 16:09	RC/JU	Ok,M
8	SSTDICC060	BP021487.D	13 Aug 2024 16:53	RC/JU	Ok,M
9	SSTDICC080	BP021488.D	13 Aug 2024 17:36	RC/JU	Ok,M
10	SSTDICV040	BP021489.D	13 Aug 2024 19:03	RC/JU	Ok,M
11	PB162612TB	BP021490.D	13 Aug 2024 19:46	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082224

Review By	yogesh	Review On	8/23/2024 6:45:58 AM				
Supervise By	mohammad	Supervise On	8/23/2024 6:56:49 AM				
SubDirectory	BP082224	HP Acquire Method	BNA_P		HP Processing Method	BP081324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP021606.D	22 Aug 2024 08:43	RC/JU	Ok
2	SSTDCCC040	BP021607.D	22 Aug 2024 10:09	RC/JU	Ok,M
3	PB162876BL	BP021608.D	22 Aug 2024 10:51	RC/JU	Not Ok
4	PB162379BL	BP021609.D	22 Aug 2024 11:33	RC/JU	Ok
5	PB162379BS	BP021610.D	22 Aug 2024 12:15	RC/JU	Ok,M
6	P3671-06	BP021611.D	22 Aug 2024 12:57	RC/JU	Ok,M
7	P3671-07	BP021612.D	22 Aug 2024 13:39	RC/JU	Ok
8	P3671-05	BP021613.D	22 Aug 2024 14:21	RC/JU	Ok,M
9	P3671-01	BP021614.D	22 Aug 2024 15:04	RC/JU	Dilution
10	P3689-02	BP021615.D	22 Aug 2024 15:48	RC/JU	Ok
11	P3689-02MS	BP021616.D	22 Aug 2024 16:31	RC/JU	Ok,M
12	P3689-02MSD	BP021617.D	22 Aug 2024 17:14	RC/JU	Ok,M
13	P3518-21	BP021618.D	22 Aug 2024 17:58	RC/JU	ReRun
14	P3518-17	BP021619.D	22 Aug 2024 18:41	RC/JU	Not Ok
15	P3671-02	BP021620.D	22 Aug 2024 19:23	RC/JU	Ok,M
16	P3671-11	BP021621.D	22 Aug 2024 20:06	RC/JU	Ok,M
17	SSTDCCC040	BP021622.D	22 Aug 2024 20:49	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082024

Review By	Jagrut	Review On	8/21/2024 10:35:25 AM		
Supervise By	mohammad	Supervise On	8/22/2024 7:52:09 AM		
SubDirectory	BF082024	HP Acquire Method	BNA_F	HP Processing Method	bf082024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139077.D	20 Aug 2024 16:39		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF139078.D	20 Aug 2024 17:10		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF139079.D	20 Aug 2024 17:40	Compound #9,32,54,56,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF139080.D	20 Aug 2024 18:10	Com#26 and 48 Fail for %RE Criteria in the Calibration.	RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF139081.D	20 Aug 2024 18:40	Compound #26,32,40,48,51,53,57,62,92 Kept on LR and Compound #54,65 Kept on QR	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF139082.D	20 Aug 2024 19:10	The Calibration is Good For 8270 E NON-DOD except com#26 and 48 and good for 625.1 Method for all compounds.	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF139083.D	20 Aug 2024 19:41		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF139084.D	20 Aug 2024 20:11		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF139085.D	20 Aug 2024 20:41	Compound #9 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBF082024	BF139086.D	20 Aug 2024 21:41		RC/JU	Ok
11	PB162687BL	PB162687BL	BF139087.D	20 Aug 2024 22:10		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082224

Review By	yogesh	Review On	8/23/2024 6:48:24 AM		
Supervise By	mohammad	Supervise On	8/23/2024 6:56:56 AM		
SubDirectory	BF082224	HP Acquire Method	BNA_F	HP Processing Method	bf082024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139112.D	22 Aug 2024 09:55		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139113.D	22 Aug 2024 10:25		RC/JU	Ok
3	PB162782BL	PB162782BL	BF139114.D	22 Aug 2024 10:54	Analyzed for contamination check	RC/JU	Not Ok
4	PB162687BS	PB162687BS	BF139115.D	22 Aug 2024 11:23		RC/JU	Ok,M
5	PB162687BSD	PB162687BSD	BF139116.D	22 Aug 2024 11:53		RC/JU	Ok,M
6	P3641-04	S-908-K1-0.5-1.0-0815	BF139117.D	22 Aug 2024 12:22		RC/JU	Ok,M
7	P3663-03	914-J-SD-0-0.5-081624	BF139118.D	22 Aug 2024 12:52		RC/JU	Ok,M
8	P3641-02	S-907-K1-0.5-1.0-0815	BF139119.D	22 Aug 2024 13:22		RC/JU	Ok,M
9	P3640-01	SP-1-COMP	BF139120.D	22 Aug 2024 13:51	Com#26 and 48 Fail for %RE Criteria in the Calibration.	RC/JU	Not Ok
10	P3641-06	S-909-K1-0.5-1.0-0815	BF139121.D	22 Aug 2024 14:20	SIM Analysis not required	RC/JU	Ok,M
11	P3641-08	S-910-K1-0-0.5-081524	BF139122.D	22 Aug 2024 14:50	FD,Sim Analysis Not Required	RC/JU	Ok,M
12	P3641-09	S-910-K1-0.5-1.0-0815	BF139123.D	22 Aug 2024 15:21	Sim Analysis not required	RC/JU	Ok,M
13	P3641-10	S-910-K1-0.5-1.0-0815	BF139124.D	22 Aug 2024 15:51	Sim Analysis not required	RC/JU	Ok,M
14	P3641-01	S-907-K1-0-0.5-081524	BF139125.D	22 Aug 2024 16:21		RC/JU	Ok,M
15	P3663-09	915-J-SD-0-0.5-081624	BF139126.D	22 Aug 2024 16:51	SIM Analysis not required	RC/JU	Ok,M
16	P3663-11	919-J-SD-0-0.5-1-0816	BF139127.D	22 Aug 2024 17:21	SIM Analysis not required	RC/JU	Ok,M
17	P3663-12	919-J-SD-0.5-1-081624	BF139128.D	22 Aug 2024 17:51		RC/JU	Ok,M

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082224

Review By	yogesh	Review On	8/23/2024 6:48:24 AM		
Supervise By	mohammad	Supervise On	8/23/2024 6:56:56 AM		
SubDirectory	BF082224	HP Acquire Method	BNA_F	HP Processing Method	bf082024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P3641-03	S-908-K1-0-0.5-081524	BF139129.D	22 Aug 2024 18:21	Need 5X Dilution, SIM Analysis not required	RC/JU	Dilution
19	P3660-03DL	S-902-J-0-0.5-081624D	BF139130.D	22 Aug 2024 18:50		RC/JU	Ok,M
20	P3660-04DL	S-902-J-0.5-1-081624D	BF139131.D	22 Aug 2024 19:20		RC/JU	Ok,M
21	P3663-10DL	915-J-SD-0.5-1-081624	BF139132.D	22 Aug 2024 19:50		RC/JU	Ok,M
22	P3641-05	S-909-K1-0-0.5-081524	BF139133.D	22 Aug 2024 20:20	SIM Analysis not required	RC/JU	Ok,M
23	P3641-07	S-910-K1-0-0.5-081524	BF139134.D	22 Aug 2024 20:50	Sim Analysis not required	RC/JU	Ok,M
24	P3671-12	S-903-J-SO-0.5-1.0-08	BF139135.D	22 Aug 2024 21:20		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_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082624

Review By	Jagrut	Review On	8/27/2024 9:04:58 AM		
Supervise By	mohammad	Supervise On	8/28/2024 1:33:27 AM		
SubDirectory	BF082624	HP Acquire Method	BNA_F	HP Processing Method	BF082024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139158.D	26 Aug 2024 09:14		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139159.D	26 Aug 2024 09:43		RC/JU	Ok,M
3	PB162917BL	PB162917BL	BF139160.D	26 Aug 2024 10:13		RC/JU	Ok
4	P3671-01DL	S-904-J-SO-0-0.5-0819	BF139161.D	26 Aug 2024 10:51		RC/JU	Ok,M
5	P3641-03DL	S-908-K1-0-0.5-081524	BF139162.D	26 Aug 2024 11:21		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_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM081024

Review By	Jagrut	Review On	8/12/2024 5:03:24 PM		
Supervise By	mohammad	Supervise On	8/13/2024 5:17:30 AM		
SubDirectory	BM081024	HP Acquire Method	BNA_M	HP Processing Method	bm081024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12039,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM047139.D	10 Aug 2024 12:26		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM047140.D	10 Aug 2024 13:12		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM047141.D	10 Aug 2024 13:52	Compound #54 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM047142.D	10 Aug 2024 14:31	Com#77 failing in calibration for both 8270DOD and 8270E	RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM047143.D	10 Aug 2024 15:11	Compound #9 Kept on QR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BM047144.D	10 Aug 2024 15:51	The Calibration is Good For 8270 DOD and also good for 625.1 Method except com#77	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BM047145.D	10 Aug 2024 16:31		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BM047146.D	10 Aug 2024 17:11		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BM047147.D	10 Aug 2024 17:51	Compound #9 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBM081024	BM047148.D	10 Aug 2024 19:10	Com#77 failing in ICV for Both 8270 DOD and 8270 E and also in 625.1.	RC/JU	Ok,M
11	PB162577TB	PB162577TB	BM047149.D	10 Aug 2024 19:50		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM082224

Review By	yogesh	Review On	8/23/2024 6:46:01 AM		
Supervise By	mohammad	Supervise On	8/23/2024 6:56:43 AM		
SubDirectory	BM082224	HP Acquire Method	BNA_M	HP Processing Method	bm081024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM047307.D	22 Aug 2024 08:35		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM047308.D	22 Aug 2024 09:14		RC/JU	Ok
3	PB162876BL	PB162876BL	BM047309.D	22 Aug 2024 09:54		RC/JU	Ok
4	PB162876BS	PB162876BS	BM047310.D	22 Aug 2024 10:33		RC/JU	Ok
5	PB162574BL	PB162574BL	BM047311.D	22 Aug 2024 11:13		RC/JU	Ok
6	PB162574BS	PB162574BS	BM047312.D	22 Aug 2024 11:52	Surrogate Fail and Com#9 Recovery is zero	RC/JU	Not Ok
7	PB162757BL	PB162757BL	BM047313.D	22 Aug 2024 12:32		RC/JU	Ok
8	P3671-14	S-912-J-SO-0.5-1-0819	BM047314.D	22 Aug 2024 13:11		RC/JU	Ok
9	P3671-09	S-928-K1-SO-0-0.5-081	BM047315.D	22 Aug 2024 13:51		RC/JU	Ok
10	P3671-13	S-912-J-SO-0-0.5-0819	BM047316.D	22 Aug 2024 14:31		RC/JU	Ok
11	P3671-10	S-928-K1-SO-0.5-1-081	BM047317.D	22 Aug 2024 15:10		RC/JU	Ok
12	P3671-10MS	S-928-K1-SO-0.5-1-081	BM047318.D	22 Aug 2024 15:50		RC/JU	Ok
13	P3671-10MSD	S-928-K1-SO-0.5-1-081	BM047319.D	22 Aug 2024 16:30		RC/JU	Ok
14	P3671-03	S-911-K1-SO-0-0.5-081	BM047320.D	22 Aug 2024 17:10		RC/JU	Ok
15	P3671-04	S-911-K1-SO-0.5-1-081	BM047321.D	22 Aug 2024 17:50		RC/JU	Ok
16	P3671-08	S-905-J-SO-0.5-1.0-08	BM047322.D	22 Aug 2024 18:29	SIM Analysis not required	RC/JU	Ok,M
17	P3685-01	Stock Pile-1	BM047323.D	22 Aug 2024 19:09		RC/JU	Ok

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM082224

Review By	yogesh	Review On	8/23/2024 6:46:01 AM		
Supervise By	mohammad	Supervise On	8/23/2024 6:56:43 AM		
SubDirectory	BM082224	HP Acquire Method	BNA_M	HP Processing Method	bm081024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P3685-03	Stock Pile-2	BM047324.D	22 Aug 2024 19:49		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081324

Review By	yogesh	Review On	8/14/2024 5:49:15 AM		
Supervise By	mohammad	Supervise On	8/14/2024 6:23:14 AM		
SubDirectory	BP081324	HP Acquire Method	BNA_P	HP Processing Method	BP081324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP021480.D	13 Aug 2024 11:49		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP021481.D	13 Aug 2024 12:32		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP021482.D	13 Aug 2024 13:15	Compound #32,54,56,65,70,77,85 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP021483.D	13 Aug 2024 13:59		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP021484.D	13 Aug 2024 14:42	Compound #48,51,53,56,57,62,80,85 Kept on LR and Compound #26,32,54,65,77 Kept on QR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP021485.D	13 Aug 2024 15:26	The Calibration is Good For 8270 DOD except com#32,77 and good for 8270E	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BP021486.D	13 Aug 2024 16:09		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP021487.D	13 Aug 2024 16:53		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BP021488.D	13 Aug 2024 17:36	Compound #9 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBP081324	BP021489.D	13 Aug 2024 19:03	Com#32 and 77 failed in ICV for 8270 DOD Criteria	RC/JU	Ok,M
11	PB162612TB	PB162612TB	BP021490.D	13 Aug 2024 19:46	Already analyzed with ok status	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082224

Review By	yogesh	Review On	8/23/2024 6:45:58 AM		
Supervise By	mohammad	Supervise On	8/23/2024 6:56:49 AM		
SubDirectory	BP082224	HP Acquire Method	BNA_P	HP Processing Method	BP081324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP021606.D	22 Aug 2024 08:43		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP021607.D	22 Aug 2024 10:09		RC/JU	Ok,M
3	PB162876BL	PB162876BL	BP021608.D	22 Aug 2024 10:51	Analyzed for Contamination check	RC/JU	Not Ok
4	PB162379BL	PB162379BL	BP021609.D	22 Aug 2024 11:33		RC/JU	Ok
5	PB162379BS	PB162379BS	BP021610.D	22 Aug 2024 12:15		RC/JU	Ok,M
6	P3671-06	S-905-KJ-SO-0-0.5-081	BP021611.D	22 Aug 2024 12:57		RC/JU	Ok,M
7	P3671-07	S-905-KJ-SO-0-0.5-081	BP021612.D	22 Aug 2024 13:39		RC/JU	Ok
8	P3671-05	S-911-K1-SO-0-0.5-081	BP021613.D	22 Aug 2024 14:21		RC/JU	Ok,M
9	P3671-01	S-904-J-SO-0-0.5-0819	BP021614.D	22 Aug 2024 15:04	Need 5X Dilution, SIM Analysis not required	RC/JU	Dilution
10	P3689-02	WC-1	BP021615.D	22 Aug 2024 15:48		RC/JU	Ok
11	P3689-02MS	WC-1MS	BP021616.D	22 Aug 2024 16:31		RC/JU	Ok,M
12	P3689-02MSD	WC-1MSD	BP021617.D	22 Aug 2024 17:14		RC/JU	Ok,M
13	P3518-21	OU4-TS-11-080724	BP021618.D	22 Aug 2024 17:58	END CCC Out of Tune Time,Surrogate Fail. Rerun with END CCC	RC/JU	ReRun
14	P3518-17	OU4-TS-09-080724	BP021619.D	22 Aug 2024 18:41	END CCC Out of Tune Time	RC/JU	Not Ok
15	P3671-02	S-904-J-SO-0.5-1.0-08	BP021620.D	22 Aug 2024 19:23	SIM Analysis not required	RC/JU	Ok,M
16	P3671-11	S-903-J-SO-0-0.5-0819	BP021621.D	22 Aug 2024 20:06	SIM Analysis not required	RC/JU	Ok,M
17	SSTDCCC040	SSTDCCC040EC	BP021622.D	22 Aug 2024 20:49	END CCC Out of Tune Time	RC/JU	Not Ok

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082224

Review By	yogesh	Review On	8/23/2024 6:45:58 AM		
Supervise By	mohammad	Supervise On	8/23/2024 6:56:49 AM		
SubDirectory	BP082224	HP Acquire Method	BNA_P	HP Processing Method	BP081324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/21/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 08/20/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 08/21/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLIDS-OVEN

QC: LB132092

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P3669-01	20430	1	1.17	8.60	9.77	8.15	81.2	
P3669-02	20430	2	1.17	8.60	9.77	8.15	81.2	
P3670-01	WASTE	3	1.15	8.48	9.63	8.51	86.8	
P3670-02	VOC	4	1.18	8.40	9.58	8.49	87.0	
P3670-03	1	5	1.18	8.48	9.66	8.48	86.1	
P3670-04	2	6	1.14	8.76	9.9	8.66	85.8	
P3670-05	3	7	1.14	8.40	9.54	8.35	85.8	
P3670-06	4	8	1.11	8.76	9.87	8.73	87.0	
P3670-07	5	9	1.12	8.78	9.9	8.69	86.2	
P3671-01	S-904-J-SO-0-0.5-081924	10	1.11	8.42	9.53	7.11	71.3	
P3671-02	S-904-J-SO-0-1-081924	11	1.18	8.53	9.71	7.98	79.7	
P3671-03	S-911-K1-SO-0-0.5-081924	12	1.18	8.52	9.7	5.18	46.9	
P3671-04	S-911-K1-SO-0.5-1-081924	13	1.14	8.54	9.68	5.92	56.0	
P3671-05	S-911-K1-SO-0-0.5-081924-FD	14	1.18	8.51	9.69	4.16	35.0	
P3671-06	S-905-KJ-SO-0-0.5-081924	15	1.15	8.50	9.65	7.8	78.2	
P3671-07	S-905-KJ-SO-0-0.5-081924-FD	16	1.12	8.47	9.59	7.61	76.6	
P3671-08	S-905-J-SO-0.5-1.0-081924	17	1.13	8.74	9.87	8.3	82.0	
P3671-09	S-928-K1-SO-0-0.5-081924	18	1.15	8.82	9.97	5.38	48.0	
P3671-10	S-928-K1-SO-0.5-1-081924	19	1.15	8.80	9.95	6.18	57.2	
P3671-11	S-903-J-SO--0-0.5-081924	20	1.19	8.53	9.72	8.31	83.5	
P3671-12	S-903-J-SO--0-1.0-081924	21	1.17	8.60	9.77	8.55	85.8	
P3671-13	S-912-J-SO-0-0.5-081924	22	1.13	8.70	9.83	3.79	30.6	
P3671-14	S-912-J-SO-0.5-1-081924	23	1.15	8.81	9.96	5.69	51.5	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/21/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 08/20/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 08/21/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLIDS-OVEN

QC: LB132092

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P3674-01	PCB08724RB01	24	1.00	1.00	2.00	2.00	100.0	caluk
P3674-02	PCB08724RB02	25	1.00	1.00	2.00	2.00	100.0	caluk
P3674-03	PCB08724RB03	26	1.00	1.00	2.00	2.00	100.0	caluk
P3674-04	PCB08724RB04	27	1.00	1.00	2.00	2.00	100.0	caluk
P3674-05	PCB08724RB05	28	1.00	1.00	2.00	2.00	100.0	caluk
P3674-06	PCB08724RB06	29	1.00	1.00	2.00	2.00	100.0	caluk
P3674-07	PCB08724RB07	30	1.00	1.00	2.00	2.00	100.0	caluk
P3674-08	PCB08724RB08	31	1.00	1.00	2.00	2.00	100.0	caluk
P3676-01	PCB08724RB09	32	1.00	1.00	2.00	2.00	100.0	caluk
P3676-02	PCB08724RB10	33	1.00	1.00	2.00	2.00	100.0	caluk
P3676-03	PCB08724RB11	34	1.00	1.00	2.00	2.00	100.0	caluk
P3676-04	PCB08724RB12	35	1.00	1.00	2.00	2.00	100.0	caluk
P3676-05	PCB08724RB13	36	1.00	1.00	2.00	2.00	100.0	caluk
P3676-06	PCB08724RB14	37	1.00	1.00	2.00	2.00	100.0	caluk
P3676-07	PCB08724RB15	38	1.00	1.00	2.00	2.00	100.0	caluk
P3676-08	PCB08724RB16	39	1.00	1.00	2.00	2.00	100.0	caluk
P3676-09	PCB08724RB17	40	1.00	1.00	2.00	2.00	100.0	caluk
P3676-10	PCB08724RB18	41	1.00	1.00	2.00	2.00	100.0	caluk
P3676-11	PCB08724RB19	42	1.00	1.00	2.00	2.00	100.0	caluk
P3676-12	PCB08724RB20	43	1.00	1.00	2.00	2.00	100.0	caluk
P3676-13	PCB08724RB21	44	1.00	1.00	2.00	2.00	100.0	caluk
P3676-14	PCB08724RB22	45	1.00	1.00	2.00	2.00	100.0	caluk
P3676-15	PCB08724RB23	46	1.00	1.00	2.00	2.00	100.0	caluk
P3676-16	PCB08724RB24	47	1.00	1.00	2.00	2.00	100.0	caluk
P3676-17	PCB08724RB25	48	1.00	1.00	2.00	2.00	100.0	caluk
P3676-18	PCB08724RB26	49	1.00	1.00	2.00	2.00	100.0	caluk
P3676-19	PCB08724RB27	50	1.00	1.00	2.00	2.00	100.0	caluk
P3676-20	PCB08724RB28	51	1.00	1.00	2.00	2.00	100.0	caluk

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/21/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 08/20/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 08/21/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLIDS-OVEN

QC: LB132092

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P3676-21	PCB08724RB29	52	1.00	1.00	2.00	2.00	100.0	caluk
P3676-22	PCB08724RB30	53	1.00	1.00	2.00	2.00	100.0	caluk
P3676-23	PCB08724RB31	54	1.00	1.00	2.00	2.00	100.0	caluk
P3676-24	PCB08724RB32	55	1.00	1.00	2.00	2.00	100.0	caluk
P3676-25	PCB08724RB33	56	1.00	1.00	2.00	2.00	100.0	caluk
P3676-26	PCB08724RB34	57	1.00	1.00	2.00	2.00	100.0	caluk
P3676-27	PCB08724RB35	58	1.00	1.00	2.00	2.00	100.0	caluk
P3676-28	PCB08724RB36	59	1.00	1.00	2.00	2.00	100.0	caluk
P3676-29	PCB08724RB37	60	1.00	1.00	2.00	2.00	100.0	caluk
P3676-30	PCB08724RB38	61	1.00	1.00	2.00	2.00	100.0	caluk
P3676-31	PCB08724RB39	62	1.00	1.00	2.00	2.00	100.0	caluk
P3676-32	PCB08724RB40	63	1.00	1.00	2.00	2.00	100.0	caluk
P3677-01	MX120	64	1.00	1.00	2.00	2.00	100.0	P.T. SAMPLE
P3677-02	MX121	65	1.00	1.00	2.00	2.00	100.0	P.T. SAMPLE
P3678-01	RE137-BagFilter20240819	71	1.00	1.00	2.00	2.00	100.0	Fabric
P3681-01	57	66	1.00	1.00	2.00	2.00	100.0	oil sample
P3681-02	0726-D	67	1.00	1.00	2.00	2.00	100.0	oil sample
P3681-03	581	68	1.14	8.66	9.8	8.88	89.4	
P3682-01	50407-A	69	1.00	1.00	2.00	2.00	100.0	wipe sample
P3682-02	50407-B	70	1.00	1.00	2.00	2.00	100.0	wipe sample
P3683-01	KZA404B-END-1-1	72	1.00	1.00	2.00	2.00	100.0	pilc
P3683-02	KZA404B-END-1-2	73	1.00	1.00	2.00	2.00	100.0	pilc
P3683-03	BC274653-END-1-1	74	1.00	1.00	2.00	2.00	100.0	pilc
P3683-04	BC274653-END-1-2	75	1.00	1.00	2.00	2.00	100.0	pilc
P3683-05	BC274653-END-2-1	76	1.00	1.00	2.00	2.00	100.0	pilc
P3683-06	BC274653-END-2-2	77	1.00	1.00	2.00	2.00	100.0	pilc
P3683-07	HED930S-END-1-1	78	1.00	1.00	2.00	2.00	100.0	pilc
P3683-08	HED930S-END-1-2	79	1.00	1.00	2.00	2.00	100.0	pilc

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/21/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 08/20/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 08/21/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLIDS-OVEN

QC: LB132092

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P3684-03	D3646	86	1.00	1.00	2.00	2.00	100.0	DEBRIS
P3684-04	D3638	87	1.18	8.42	9.6	6.18	59.4	
P3684-06	D3564	88	1.00	1.00	2.00	2.00	100.0	DEBRIS
P3685-01	Stock Pile-1	80	1.15	8.43	9.58	8.99	93.0	
P3685-02	Stock Pile-1	81	1.15	8.43	9.58	8.99	93.0	
P3685-03	Stock Pile-2	82	1.18	8.72	9.9	9.34	93.6	
P3685-04	Stock Pile-2	83	1.18	8.72	9.9	9.34	93.6	
P3685-06	Stock Pile-1	84	1.15	8.43	9.58	8.99	93.0	
P3685-07	Stock Pile-2	85	1.18	8.72	9.9	9.34	93.6	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

UB 132092

WorkList Name : %1-082024 **WorkList ID :** 182800 **Department :** Wet-Chemistry **Date :** 08-20-2024 07:44:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3669-01	20430	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/19/2024	Chemtech -SO
P3669-02	20430	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/19/2024	Chemtech -SO
P3670-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	G11	08/19/2024	Chemtech -SO
P3670-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	G11	08/19/2024	Chemtech -SO
P3670-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	G11	08/19/2024	Chemtech -SO
P3670-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	G11	08/19/2024	Chemtech -SO
P3670-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	G11	08/19/2024	Chemtech -SO
P3670-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	G11	08/19/2024	Chemtech -SO
P3670-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	G11	08/19/2024	Chemtech -SO
P3671-01	S-904-J-SO-0-0.5-081924	Solid	Percent Solids	Cool 4 deg C	SCIA01	G11	08/19/2024	Chemtech -SO
P3671-02	S-904-J-SO-0-1-081924	Solid	Percent Solids	Cool 4 deg C	JACO05	G11	08/19/2024	Chemtech -SO
P3671-03	S-911-K1-SO-0-0.5-081924	Solid	Percent Solids	Cool 4 deg C	JACO05	G11	08/19/2024	Chemtech -SO
P3671-04	S-911-K1-SO-0.5-1-081924	Solid	Percent Solids	Cool 4 deg C	JACO05	G11	08/19/2024	Chemtech -SO
P3671-05	S-911-K1-SO-0-0.5-081924-FD	Solid	Percent Solids	Cool 4 deg C	JACO05	G11	08/19/2024	Chemtech -SO
P3671-06	S-905-KJ-SO-0-0.5-081924	Solid	Percent Solids	Cool 4 deg C	JACO05	G11	08/19/2024	Chemtech -SO
P3671-07	S-905-KJ-SO-0-0.5-081924-FD	Solid	Percent Solids	Cool 4 deg C	JACO05	G11	08/19/2024	Chemtech -SO
P3671-08	S-905-J-SO-0.5-1.0-081924	Solid	Percent Solids	Cool 4 deg C	JACO05	G11	08/19/2024	Chemtech -SO
P3671-09	S-928-K1-SO-0-0.5-081924	Solid	Percent Solids	Cool 4 deg C	JACO05	G11	08/19/2024	Chemtech -SO
P3671-10	S-928-K1-SO-0.5-1-081924	Solid	Percent Solids	Cool 4 deg C	JACO05	G11	08/19/2024	Chemtech -SO
P3671-11	S-903-J-SO--0-0.5-081924	Solid	Percent Solids	Cool 4 deg C	JACO05	G11	08/19/2024	Chemtech -SO
P3671-12	S-903-J-SO--0-1.0-081924	Solid	Percent Solids	Cool 4 deg C	JACO05	G11	08/19/2024	Chemtech -SO

Date/Time 08/20/24 16:10

Raw Sample Received by: JD GeoC

Raw Sample Relinquished by: CR SM

Date/Time 08/20/24 17:30

Raw Sample Received by: CR SM

Raw Sample Relinquished by: JD GeoC

WORKLIST(Hardcopy Internal Chain)

VB B2092

WorkList Name : %1-082024 **WorkList ID :** 182800 **Department :** Wet-Chemistry **Date :** 08-20-2024 07:44:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3671-13	S-912-J-SO-0-0.5-081924	Solid	Percent Solids	Cool 4 deg C	JACO05	G11	08/19/2024	Chemtech -SO
P3671-14	S-912-J-SO-0.5-1-081924	Solid	Percent Solids	Cool 4 deg C	JACO05	G11	08/19/2024	Chemtech -SO
P3674-01	PCB08724RB01	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3674-02	PCB08724RB02	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3674-03	PCB08724RB03	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3674-04	PCB08724RB04	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3674-05	PCB08724RB05	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3674-06	PCB08724RB06	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3674-07	PCB08724RB07	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3674-08	PCB08724RB08	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-01	PCB08724RB09	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-02	PCB08724RB10	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-03	PCB08724RB11	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-04	PCB08724RB12	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-05	PCB08724RB13	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-06	PCB08724RB14	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-07	PCB08724RB15	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-08	PCB08724RB16	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-09	PCB08724RB17	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-10	PCB08724RB18	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-11	PCB08724RB19	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO

Date/Time 08/20/24 16:10

Raw Sample Received by: JB Cal C)

Raw Sample Relinquished by: CR SM

Date/Time 08/20/24 17:30

Raw Sample Received by: CR SM

Raw Sample Relinquished by: JB Cal C)

WORKLIST(Hardcopy Internal Chain)

LB 132092

WorkList Name : %1-082024 **WorkList ID :** 182800 **Department :** Wet-Chemistry **Date :** 08-20-2024 07:44:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3676-12	PCB08724RB20	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-13	PCB08724RB21	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-14	PCB08724RB22	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-15	PCB08724RB23	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-16	PCB08724RB24	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-17	PCB08724RB25	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-18	PCB08724RB26	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-19	PCB08724RB27	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-20	PCB08724RB28	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-21	PCB08724RB29	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-22	PCB08724RB30	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-23	PCB08724RB31	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-24	PCB08724RB32	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-25	PCB08724RB33	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-26	PCB08724RB34	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-27	PCB08724RB35	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-28	PCB08724RB36	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-29	PCB08724RB37	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-30	PCB08724RB38	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-31	PCB08724RB39	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO
P3676-32	PCB08724RB40	Solid	Percent Solids	Cool 4 deg C	CLOU03	G11	08/06/2024	Chemtech -SO

Date/Time 08/20/24 16:10

Raw Sample Received by: BB (WC)

Raw Sample Relinquished by: CP SM

Date/Time 08/20/24 17:30

Raw Sample Received by: CP SM

Raw Sample Relinquished by: BB (WC)

WORKLIST(Hardcopy Internal Chain)

VB 132092

WorkList Name : %1-082024 **WorkList ID :** 182800 **Department :** Wet-Chemistry **Date :** 08-20-2024 07:44:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3677-01	MX120	Solid	Percent Solids	Cool 4 deg C	USEP01	QA Of	08/19/2024	Chemtech -SO
P3677-02	MX121	Solid	Percent Solids	Cool 4 deg C	USEP01	QA Of	08/19/2024	Chemtech -SO
P3678-01	RE137-BagFilter20240819	Solid	Percent Solids	Cool 4 deg C	TETR06	G11	08/19/2024	Chemtech -SO
P3681-01	57	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO
P3681-02	0726-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO
P3681-03	581	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO
P3682-01	50407-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO
P3682-02	50407-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO
P3683-01	KZA404B-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO
P3683-02	KZA404B-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO
P3683-03	BC274653-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO
P3683-04	BC274653-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO
P3683-05	BC274653-END-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO
P3683-06	BC274653-END-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO
P3683-07	HED930S-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO
P3683-08	HED930S-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO
P3684-03	D3646	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO
P3684-04	D3638	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO
P3684-06	D3564	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO
P3685-01	Stock Pile-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO
P3685-02	Stock Pile-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO

Date/Time 08/20/24 16:10

Raw Sample Received by: [signature] (WC)

Raw Sample Relinquished by: [signature]

Date/Time 08/20/24 17:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature] (WC)

WORKLIST(Hardcopy Internal Chain)

UB132092

WorkList Name : %1-082024 **WorkList ID :** 182800 **Department :** Wet-Chemistry **Date :** 08-20-2024 07:44:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3685-03	Stock Pile-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO
P3685-04	Stock Pile-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO
P3685-06	Stock Pile-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO
P3685-07	Stock Pile-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	G11	08/20/2024	Chemtech -SO

Date/Time 08/20/24 16:10

Raw Sample Received by: JP WDC,

Raw Sample Relinquished by: CP SM

Date/Time 08/20/24 17:30

Raw Sample Received by: CP SM

Raw Sample Relinquished by: JP WDC,

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB162876

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/21/2024
Matrix :	Solid			**Extraction Start Time :**	08:50
Weigh By:	EH	**Extraction By:**	RS	**Extraction End Date :**	08/21/2024
Balance check:	EH	**Filter By:**	RS	**Extraction End Time :**	11:50
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

Extraction Method: ☐ Seperatory Funne ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6604
Surrogate	1.0ML	100/150 PPM	SP6524
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
MeCl2/Acetone/1:1	N/A	EP2527
Baked Na2SO4	N/A	EP2521
Sand	N/A	E2865
Methylene Chloride	N/A	E3787
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.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/21/24	RP (Ext. 2 cab)	RC/SVOC
11:55	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB162876

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 08/21/2024

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol.(mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB162876BL	SBLK876	SVOCMS Group5	30.02	N/A	RUPESH	Evelyn	1			U6-1
PB162876BS	SLCS876	SVOCMS Group5	30.01	N/A	RUPESH	Evelyn	1			2
P3671-01	S-904-J-SO-0-0.5-081924	SVOCMS Group5	30.04	N/A	RUPESH	Evelyn	1	E		3
P3671-02	S-904-J-SO-0-1-081924	SVOCMS Group5	30.07	N/A	RUPESH	Evelyn	1	E		4
P3671-03	S-911-K1-SO-0-0.5-081924	SVOCMS Group5	30.05	N/A	RUPESH	Evelyn	1	E		5
P3671-04	S-911-K1-SO-0.5-1-081924	SVOCMS Group5	30.06	N/A	RUPESH	Evelyn	1	E		6
P3671-05	S-911-K1-SO-0-0.5-081924-FD	SVOCMS Group5	30.01	N/A	RUPESH	Evelyn	1	E		U4-1
P3671-06	S-905-KJ-SO-0-0.5-081924	SVOCMS Group5	30.03	N/A	RUPESH	Evelyn	1	E		2
P3671-07	S-905-KJ-SO-0-0.5-081924-FD	SVOCMS Group5	30.08	N/A	RUPESH	Evelyn	1	E		3
P3671-08	S-905-J-SO-0.5-1.0-081924	SVOCMS Group5	30.06	N/A	RUPESH	Evelyn	1	E		4
P3671-09	S-928-K1-SO-0-0.5-081924	SVOCMS Group5	30.04	N/A	RUPESH	Evelyn	1	E		5
P3671-10	S-928-K1-SO-0.5-1-081924	SVOCMS Group5	30.05	N/A	RUPESH	Evelyn	1	E		6
P3671-10MS	S-928-K1-SO-0.5-1-081924MS	SVOCMS Group5	30.07	N/A	RUPESH	Evelyn	1	E		U5-1
P3671-10MSD	S-928-K1-SO-0.5-1-081924MSD	SVOCMS Group5	30.06	N/A	RUPESH	Evelyn	1	E		2
P3671-11	S-903-J-SO--0-0.5-081924	SVOCMS Group5	30.03	N/A	RUPESH	Evelyn	1	E		3
P3671-12	S-903-J-SO--0-1.0-081924	SVOCMS Group5	30.01	N/A	RUPESH	Evelyn	1	E		4
P3671-13	S-912-J-SO-0-0.5-081924	SVOCMS Group5	30.09	N/A	RUPESH	Evelyn	1	E		5
P3671-14	S-912-J-SO-0.5-1-081924	SVOCMS Group5	30.05	N/A	RUPESH	Evelyn	1	E		6
P3685-01	STOCK PILE-1	SVOC-TCL BNA -20	50.03	N/A	RUPESH	Evelyn	1	C		U1-1
P3685-03	STOCK PILE-2	SVOC-TCL BNA -20	50.08	N/A	RUPESH	Evelyn	1	C		2

* **Extracts relinquished on the same date as received.**

8/21/24

1668876 8:50

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P3671 **WorkList ID :** 182831 **Department :** Extraction **Date :** 08-21-2024 08:06:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3671-01	S-904-J-SO-0-0.5-081924	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	G11	08/19/2024	8270E
P3671-02	S-904-J-SO-0-1-081924	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	G11	08/19/2024	8270E
P3671-03	S-911-K1-SO-0-0.5-081924	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	G11	08/19/2024	8270E
P3671-04	S-911-K1-SO-0.5-1-081924	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	G11	08/19/2024	8270E
P3671-05	S-911-K1-SO-0-0.5-081924-FD	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	G11	08/19/2024	8270E
P3671-06	S-905-KJ-SO-0-0.5-081924	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	G11	08/19/2024	8270E
P3671-07	S-905-KJ-SO-0-0.5-081924-FD	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	G11	08/19/2024	8270E
P3671-08	S-905-J-SO-0.5-1.0-081924	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	G11	08/19/2024	8270E
P3671-09	S-928-K1-SO-0-0.5-081924	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	G11	08/19/2024	8270E
P3671-10	S-928-K1-SO-0.5-1-081924	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	G11	08/19/2024	8270E
P3671-11	S-903-J-SO--0-0.5-081924	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	G11	08/19/2024	8270E
P3671-12	S-903-J-SO--0-1.0-081924	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	G11	08/19/2024	8270E
P3671-13	S-912-J-SO-0-0.5-081924	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	G11	08/19/2024	8270E
P3671-14	S-912-J-SO-0.5-1-081924	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	G11	08/19/2024	8270E
P3685-01	Stock Pile-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	G11	08/20/2024	8270E
P3685-03	Stock Pile-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	G11	08/20/2024	8270E

Date/Time 08/21/24 8:45
Raw Sample Received by: RS (Eur (cay)
Raw Sample Relinquished by: RM SM

Date/Time 08/21/24 9:15
Raw Sample Received by: RM SM
Raw Sample Relinquished by: RS (Eur (cay)

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

Prep Standard - Chemical Standard Summary

Order ID : P3671

Test : SVOCMS Group5

Prepbatch ID : PB162876,

Sequence ID/Qc Batch ID: BF082224,BF082624,BM082224,bm082224,BP082224,

Standard ID :
EP2521,EP2527,SP6524,SP6549,SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557,SP6558,SP6559,SP6573,SP6587,SP6588,SP6589,SP6590,SP6591,SP6592,SP6593,SP6594,SP6595,SP6604,

Chemical ID :
10ul/1000ul sample,E2865,E3551,E3744,E3746,E3768,E3780,E3786,E3787,E3788,S10102,S10103,S10247,S10398,S10583,S10972,S10973,S10974,S10975,S10976,S10977,S10996,S10997,S10998,S10999,S11000,S11001,S11002,S11003,S11012,S11084,S11092,S11093,S11096,S11097,S11102,S11103,S11138,S11141,S11148,S11434,S11494,S11555,S11561,S11566,S11567,S11766,S11767,S11768,S11769,S11770,S12033,S12039,S12041,S12076,S12077,S12097,S12098,S12099,S12100,S12101,S12102,S12103,S12104,S12105,S12112,S12117,S12118,S12119,S12120,S12121,S12122,S12123,S12124,S12125,S12126,S12449,S12450,S12451,S12452,S12453,

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
3923	Baked Sodium Sulfate	EP2521	08/10/2024	01/03/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 08/10/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2527	08/14/2024	02/13/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 08/14/2024

FROM 4000.00000ml of E3787 + 4000.00000ml of E3788 = Final Quantity: 16000.000 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
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6524	05/31/2024	11/29/2024	Jagrut Upadhyay	None	None	Yogesh Patel 06/13/2024

FROM 1930.00000ml of E3744 + 2.90000ml of S11003 + 3.00000ml of S10977 + 5.30000ml of S10996 + 5.30000ml of S10997 + 5.30000ml of S10998 + 5.30000ml of S10999 + 5.30000ml of S11000 + 5.30000ml of S11001 + 5.30000ml of S11002 + 5.40000ml of S10972 + 5.40000ml of S10973 + 5.40000ml of S10974 + 5.40000ml of S10975 + 5.40000ml of S10976 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6549	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.26700ml of S10102 + 0.40000ml of S11434 + 0.50000ml of S12112 + 1.00000ml of S11092 + 1.00000ml of S11096 + 1.00000ml of S11102 + 1.00000ml of S11148 + 1.00000ml of S12076 + 3.83300ml of E3746 = Final Quantity: 10.000 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
413	80 ng BNA ICC, 80 PPM	SP6550	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.20000ml of E3746 + 0.80000ml of SP6549 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6551	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.40000ml of E3746 + 0.60000ml of SP6549 = 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
411	50 ng BNA ICC, 50 PPM	SP6552	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.50000ml of E3746 + 0.50000ml of SP6549 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6553	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.60000ml of E3746 + 0.40000ml of SP6549 = 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
3678	20 ng BNA ICC, 20 PPM	SP6554	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.80000ml of E3746 + 0.20000ml of SP6549 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6555	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.90000ml of E3746 + 0.10000ml of SP6549 = 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
407	5 ng BNA ICC, 5 PPM	SP6556	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.95000ml of E3746 + 0.05000ml of SP6549 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6557	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.50000ml of E3746 + 0.50000ml of SP6556 = 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
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6558	07/09/2024	11/30/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/11/2024

FROM 0.04000ml of S10977 + 0.08000ml of S11003 + 0.10000ml of S11766 + 0.20000ml of S11566 + 0.20000ml of S12097 + 0.20000ml of S12117 + 1.18000ml of E3768 = Final Quantity: 2.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6559	07/09/2024	11/30/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/11/2024

FROM 0.01000ml of S12033 + 0.60000ml of E3768 + 0.40000ml of SP6558 = 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
3764	8270/625 Stock solution 100 ng	SP6587	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.26700ml of S10103 + 0.40000ml of S11494 + 0.50000ml of S12112 + 1.00000ml of S11084 + 1.00000ml of S11093 + 1.00000ml of S11097 + 1.00000ml of S11103 + 1.00000ml of S12077 + 3.83300ml of E3786 = Final Quantity: 10.000 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
413	80 ng BNA ICC, 80 PPM	SP6588	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.20000ml of E3786 + 0.80000ml of SP6587 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6589	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.40000ml of E3786 + 0.60000ml of SP6587 = 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
411	50 ng BNA ICC, 50 PPM	SP6590	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.50000ml of E3786 + 0.50000ml of SP6587 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6591	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.60000ml of E3786 + 0.40000ml of SP6587 = 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
3678	20 ng BNA ICC, 20 PPM	SP6592	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.80000ml of E3786 + 0.20000ml of SP6587 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6593	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.90000ml of E3786 + 0.10000ml of SP6587 = 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
407	5 ng BNA ICC, 5 PPM	SP6594	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.95000ml of E3786 + 0.05000ml of SP6587 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6595	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.50000ml of E3786 + 0.50000ml of SP6594 = 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
171	8270/625 Spike Solution, 50/100 PPM	SP6604	08/12/2024	10/26/2024	Rahul Chavli	None	None	Yogesh Patel 08/21/2024

FROM 0.20000ml of S12126 + 0.40000ml of S10398 + 0.40000ml of S10583 + 0.40000ml of S11012 + 0.40000ml of S11138 + 0.40000ml of S11141 + 0.50000ml of S12105 + 0.50000ml of S12453 + 0.70000ml of S12097 + 0.80000ml of S11566 + 0.80000ml of S12118 + 1.20000ml of S11555 + 1.20000ml of S11561 + 1.20000ml of S11767 + 1.20000ml of S11769 + 1.20000ml of S12099 + 1.20000ml of S12101 + 1.20000ml of S12104 + 1.20000ml of S12119 + 1.20000ml of S12121 + 1.20000ml of S12449 + 1.20000ml of S12451 + 1.30000ml of S11567 + 1.30000ml of S11768 + 1.30000ml of S11770 + 1.30000ml of S12098 + 1.30000ml of S12100 + 1.30000ml of S12102 + 1.30000ml of S12103 + 1.30000ml of S12120 + 1.30000ml of S12122 + 1.30000ml of S12123 + 1.30000ml of S12124 + 1.30000ml of S12450 + 1.30000ml of S12452 + 1.40000ml of S12125 + 163.00000ml of E3780 = 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 #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	12/31/2024	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

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 #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H14626005	11/29/2024	05/29/2024 / Rajesh	05/23/2024 / Rajesh	E3744

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)	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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H1462005	02/10/2025	08/10/2024 / Rajesh	07/24/2024 / Rajesh	E3780

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24F1062004	02/01/2025	08/01/2024 / Rajesh	07/16/2024 / Rajesh	E3786

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)	24G0862022	02/13/2025	08/13/2024 / Rajesh	08/07/2024 / Rajesh	E3787

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	04/01/2025	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 #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	09/29/2024	03/29/2024 / Jagrut	12/09/2021 / Christian	S10102

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

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	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	10/26/2024	04/26/2024 / Rahul	05/18/2022 / Christian	S10398

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	02/12/2025	08/12/2024 / Rahul	07/05/2022 / Christian	S10583

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	08/31/2030	05/31/2024 / Jagrut	12/28/2022 / Christian	S10972

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	S10973

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	S10974

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	S10975

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	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10976

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	08/31/2028	05/31/2024 / Jagrut	12/28/2022 / Christian	S10996

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	S10997

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	S10998

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	S10999

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	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11000

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	S11001

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	S11002

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	10/26/2024	04/26/2024 / Rahul	01/13/2023 / Christian	S11012

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11084

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-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	01/09/2025	07/09/2024 / Jagrut	02/07/2023 / Christian	S11092

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11093

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	01/09/2025	07/09/2024 / Jagrut	02/07/2023 / Christian	S11096

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-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	01/09/2025	07/09/2024 / Jagrut	02/07/2023 / Christian	S11102

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11103

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	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0194698	02/12/2025	08/12/2024 / Rahul	02/20/2023 / Christian	S11138

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	02/12/2025	08/12/2024 / Rahul	02/20/2023 / Christian	S11141

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	01/09/2025	07/09/2024 / Jagrut	03/06/2023 / Christian	S11148

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	503442	08/26/2024	07/09/2024 / Jagrut	07/26/2023 / yogesh	S11434

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	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11555

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]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11561

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	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11567

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	01/12/2025	07/12/2024 / Rahul	11/21/2023 / Rahul	S11767

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	02/12/2025	08/12/2024 / Rahul	11/21/2023 / Rahul	S11768

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	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	02/12/2025	08/12/2024 / Rahul	11/21/2023 / Rahul	S11769

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	02/12/2025	08/12/2024 / Rahul	11/21/2023 / Rahul	S11770

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	01/01/2025	07/01/2024 / Rahul	12/21/2023 / Rahul	S12033

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	02/07/2025	08/07/2024 / anahy	12/21/2023 / Rahul	S12039

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	02/13/2025	08/13/2024 / anahy	12/21/2023 / Rahul	S12041

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	01/09/2025	07/09/2024 / Jagrut	01/31/2024 / Rahul	S12076

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	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 #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	01/09/2025	07/09/2024 / Jagrut	02/05/2024 / Rahul	S12097

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	S12098

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	S12099

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	S12100

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	S12101

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	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	S12102

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	S12103

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	S12104

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

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

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	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	01/10/2025 / Jagrut	03/15/2024 / Rahul	S12118

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	S12119

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	S12120

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	S12121

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	S12122

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	S12123

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	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	S12124

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	S12125

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	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	S12449

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	S12450

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	S12451

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	S12452

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

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-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
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 gravimetricllly.

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-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
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 gravimetricllly.

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-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*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.

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-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*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-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

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

~~S11088~~ S11096 to S11099

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	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.

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

~~S11088~~ S11096 to S11099

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	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.

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-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

Received on
02/07/23
by CG

S11101
to
S11103

*Not a certified value

Certified By: S. Hunter

Scott Hunter
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-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

Received on
02/07/23
by CG

S11101
to
S11103

*Not a certified value

Certified By: S. Hunter

Scott Hunter
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

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 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)

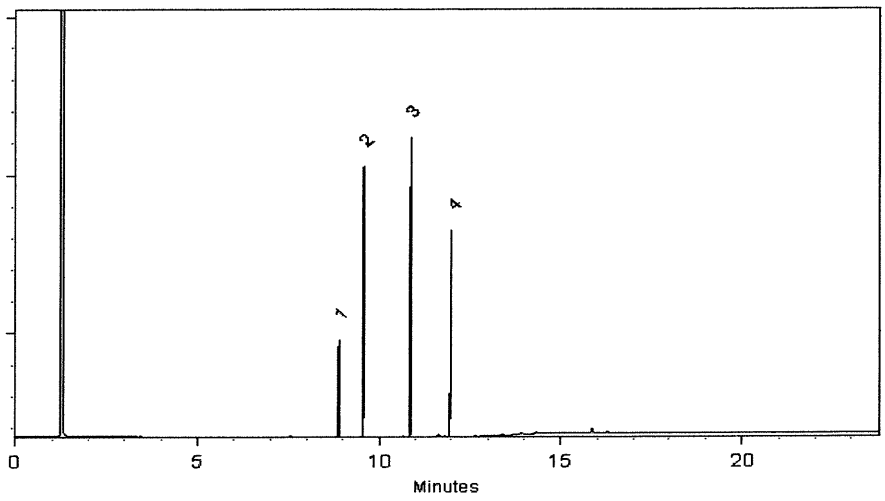
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

Gravimetric Certificate

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 05/19/22

S10393 to S10402

Catalog No. : 555871 **Lot No.:** A0185300

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100 µg/mL	Gravimetric
	CAS # 100-02-7 (Lot MKCN1089)		+/- 753.2622 µg/mL	Unstressed
	Purity 99%		+/- 905.6020 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 **Balance:** 1128342314

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 combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules 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 ampules. 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.

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

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
07/05/22
S 10583
to
S 10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

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 combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules 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 ampules. 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.

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)

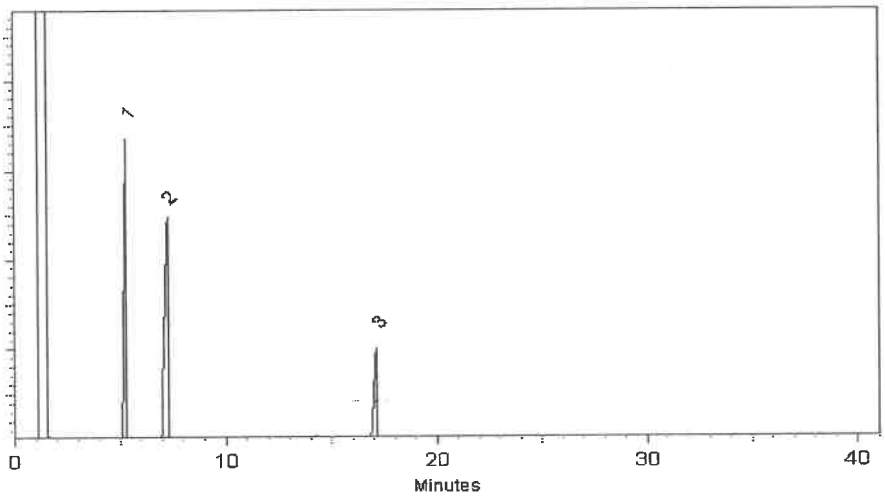
Carrier Gas:
hydrogen-constant pressure 10 psi.

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 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)

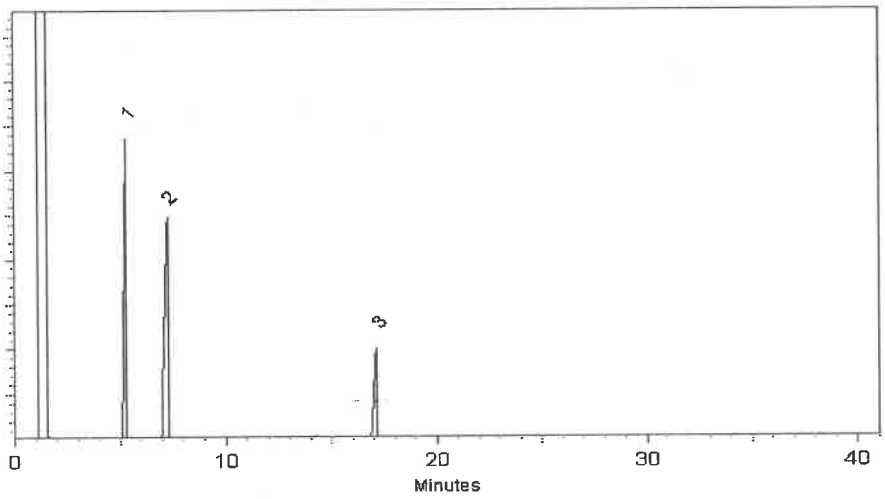
Carrier Gas:
hydrogen-constant pressure 10 psi.

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 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)

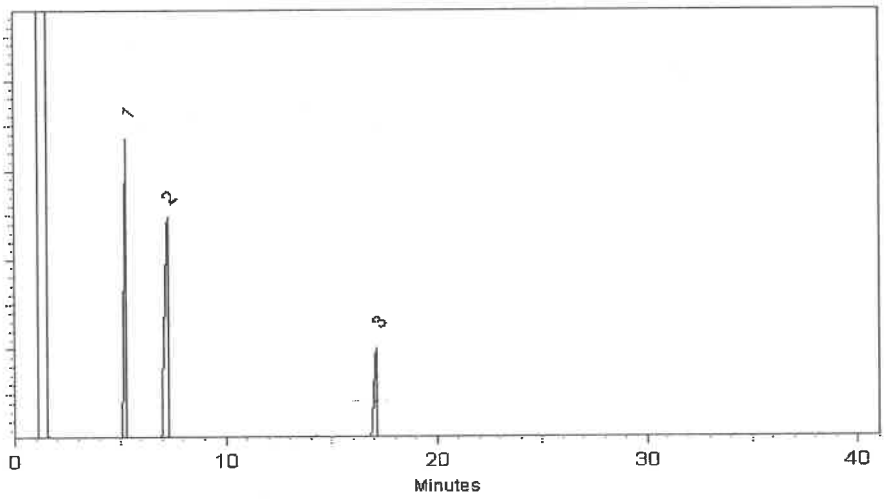
Carrier Gas:
hydrogen-constant pressure 10 psi.

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 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)

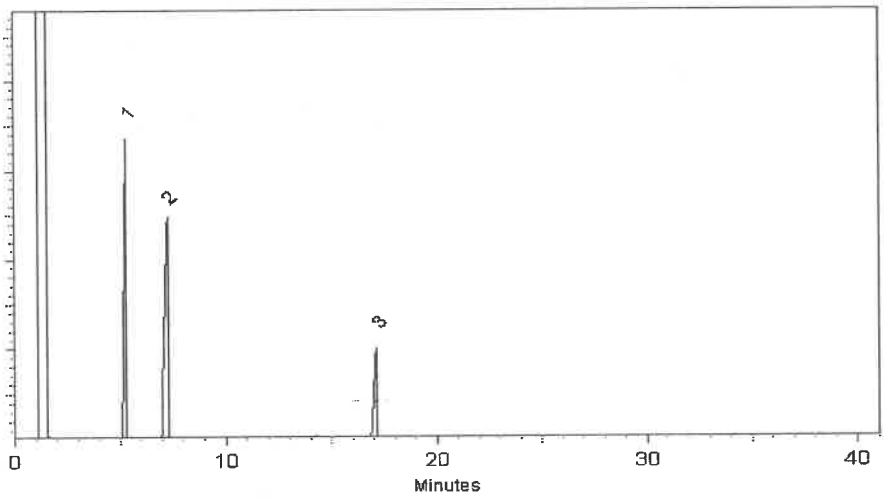
Carrier Gas:
hydrogen-constant pressure 10 psi.

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 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)

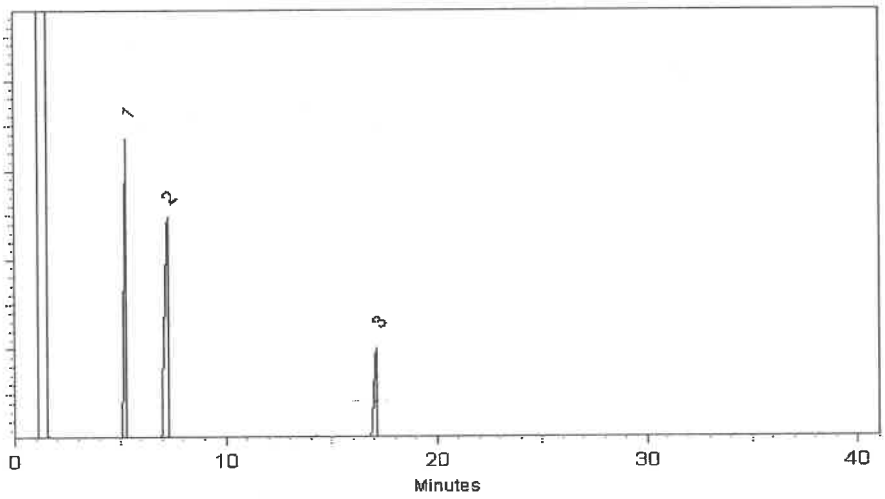
Carrier Gas:
hydrogen-constant pressure 10 psi.

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 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)

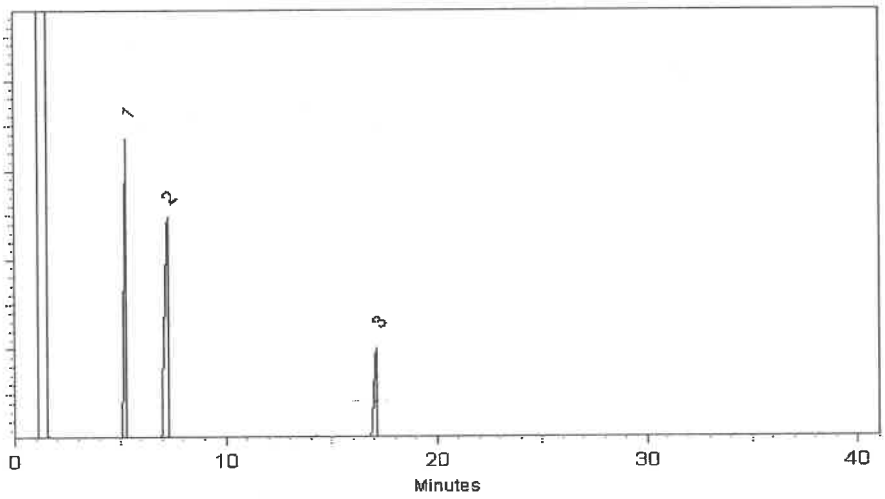
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 12/28/22 $10981 to $11010

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)

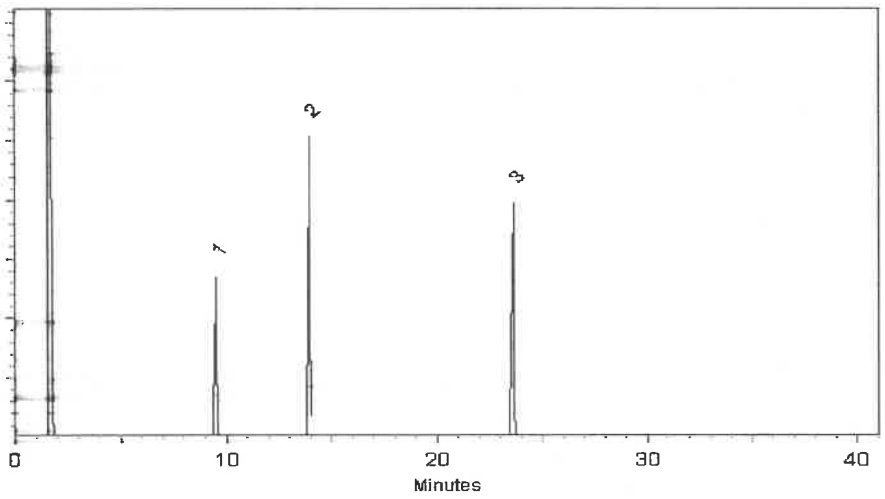
Carrier Gas:
hydrogen-constant pressure 10 psi.

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: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 12/28/22 $10981 to $11010

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)

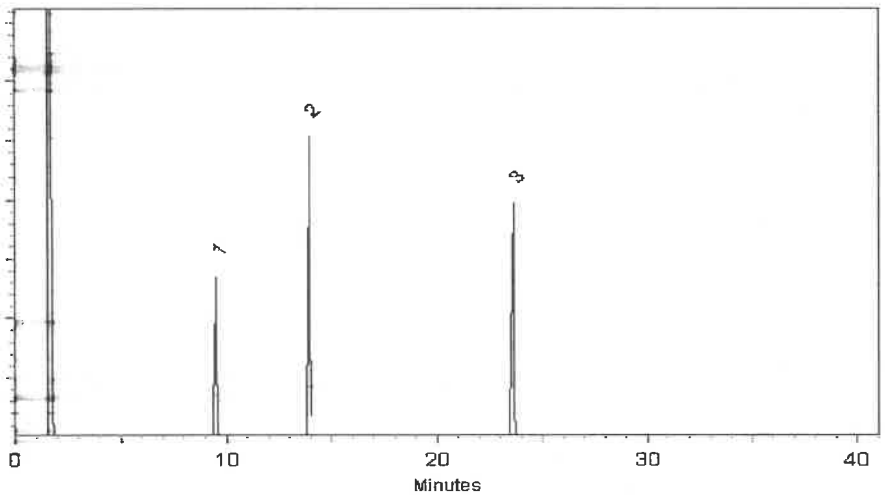
Carrier Gas:
hydrogen-constant pressure 10 psi.

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: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 12/28/22 $10981 to $11010

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)

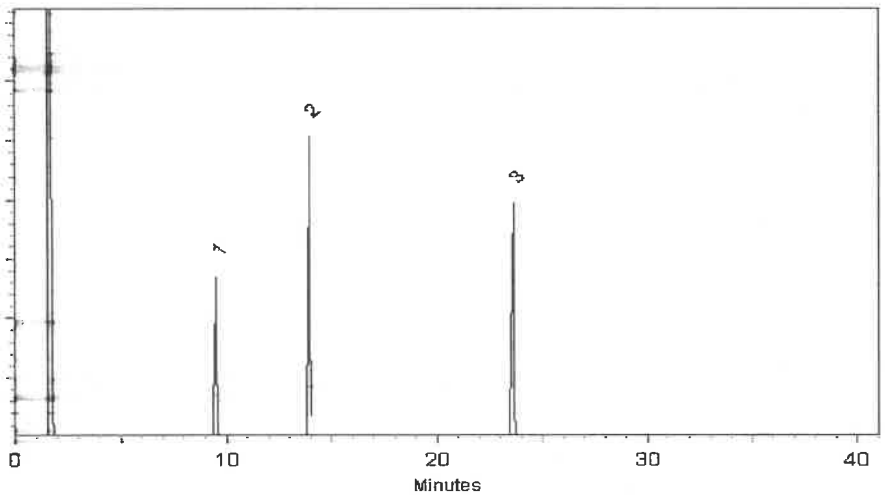
Carrier Gas:
hydrogen-constant pressure 10 psi.

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: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 12/28/22 $10981 to $11010

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)

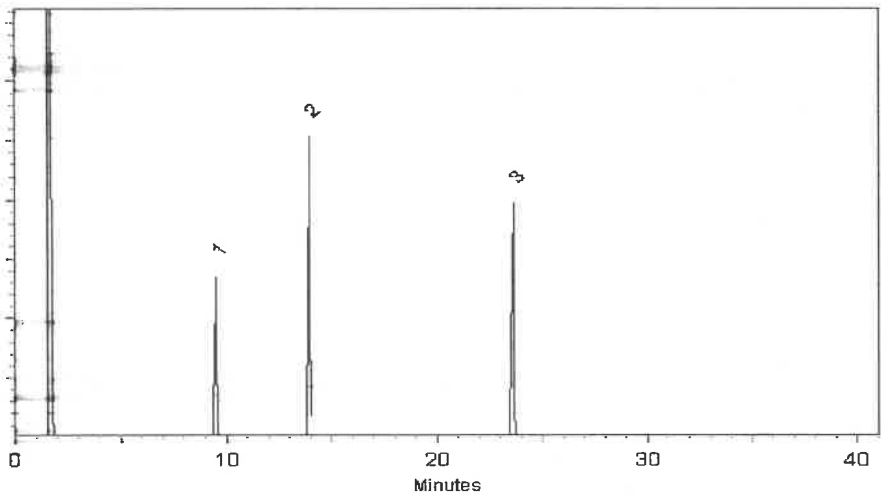
Carrier Gas:
hydrogen-constant pressure 10 psi.

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: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 12/28/22 $10981 to $11010

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)

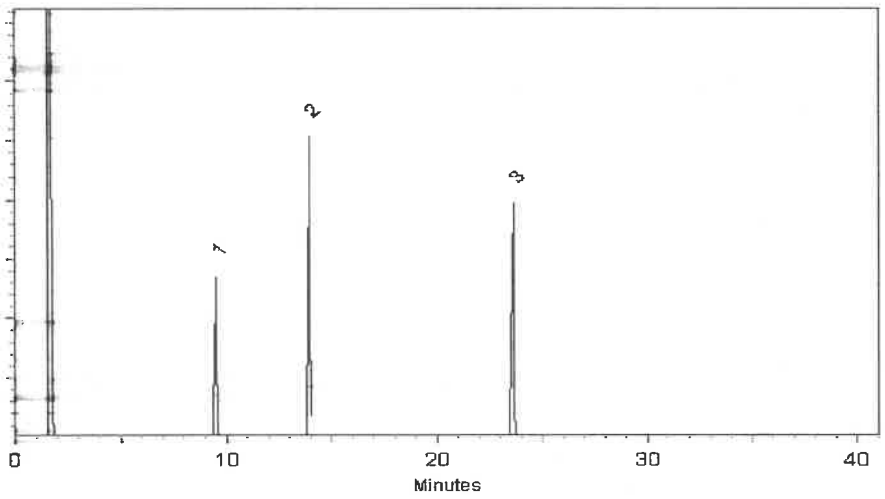
Carrier Gas:
hydrogen-constant pressure 10 psi.

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: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 12/28/22 $10981 to $11010

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)

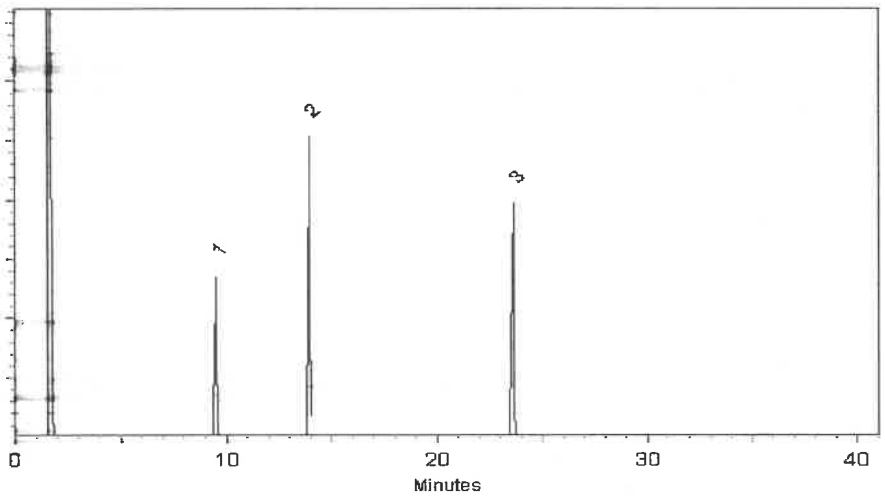
Carrier Gas:
hydrogen-constant pressure 10 psi.

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: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 12/28/22 $10981 to $11010

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)

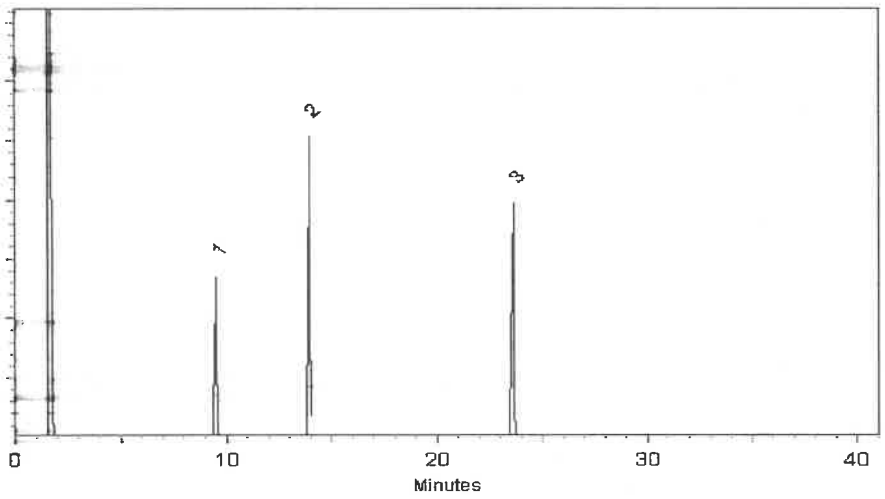
Carrier Gas:
hydrogen-constant pressure 10 psi.

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: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 12/28/22 $10981 to $11010

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)

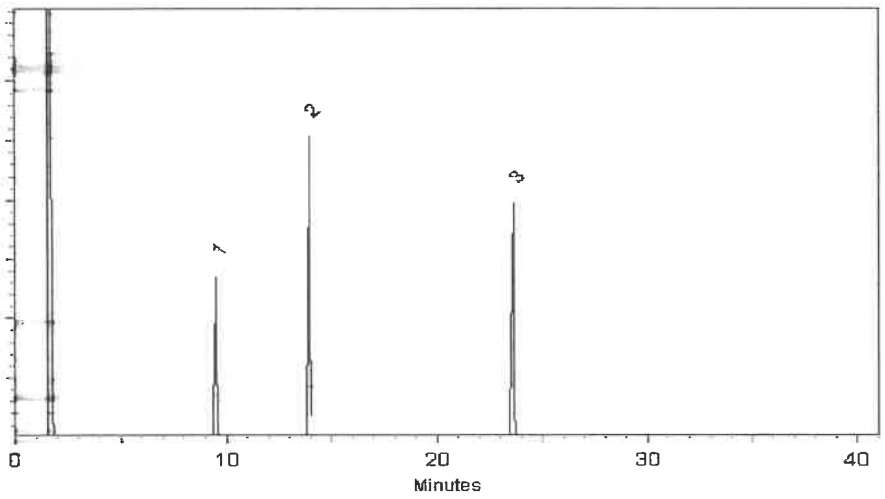
Carrier Gas:
hydrogen-constant pressure 10 psi.

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.

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

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. : 555870 **Lot No.:** A0194698

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	2,4-Dinitrophenol	51-28-5	DR221221RSR	99%	25,195.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek's Registered Quality Certificate #FM 8

tified Reference Material Notes

:es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

ıty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ɜnded condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

ıds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the ɔmpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

ɜrtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ıty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ıty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

ɜrage factor of 2, which gives a level of confidence of approximately 95%.

ıged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure inimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily Γ traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ɳ, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ɟards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ɜm. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, ıdes complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

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

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. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

tified Reference Material Notes

:es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure nimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T 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

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 RB on 7/24/23 E3551

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 5/23/24

E 3744

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.: 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

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

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 7/24/24

E 3780

Ken Koehnlein
Sr. Manager, Quality Assurance

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

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker®

Material No.: 9266-A4
Batch No.: 24G0862022
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	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	4
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: MG24F05012

E 3787

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

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

511434 } Y.P. 07/20/23

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	503442	≤ -10 °C	Methylene Chloride	8/26/2024	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	5052 ± 122.61
2-fluorobiphenyl	321-60-8	99.7	8.7.1.1P	5005 ± 121.47
nitrobenzene-d_5	4165-60-0	100	7.9.2P	5040 ± 122.21
p-terphenyl-d_{14}	1718-51-0	99.6	9.12.9P	5027 ± 122

*Not a certified value

Certified By: Joanna Radu

Joanna Radu
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-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

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. : 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 Y.P. 091 191

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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. : 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 Y.P. 091 191

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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. : 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 Y.P. 091 191

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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. : 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 Y.P. 091 191

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

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.)

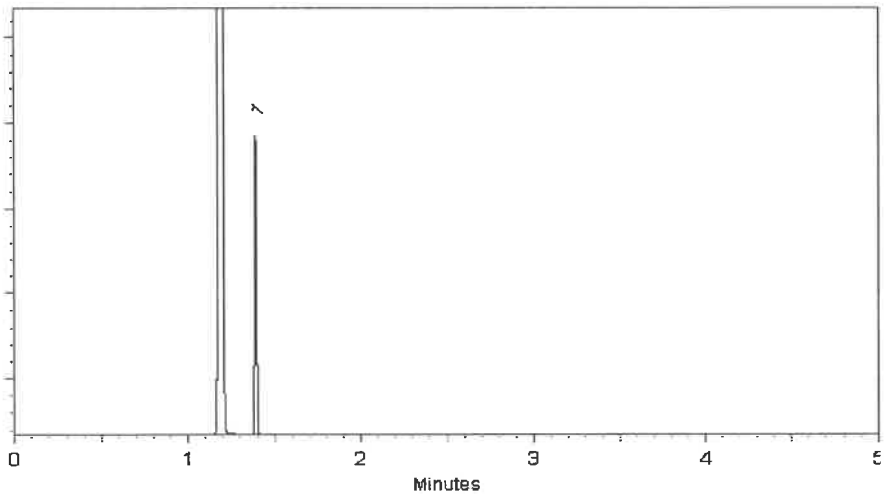
Inj. Temp:
250°C

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.)

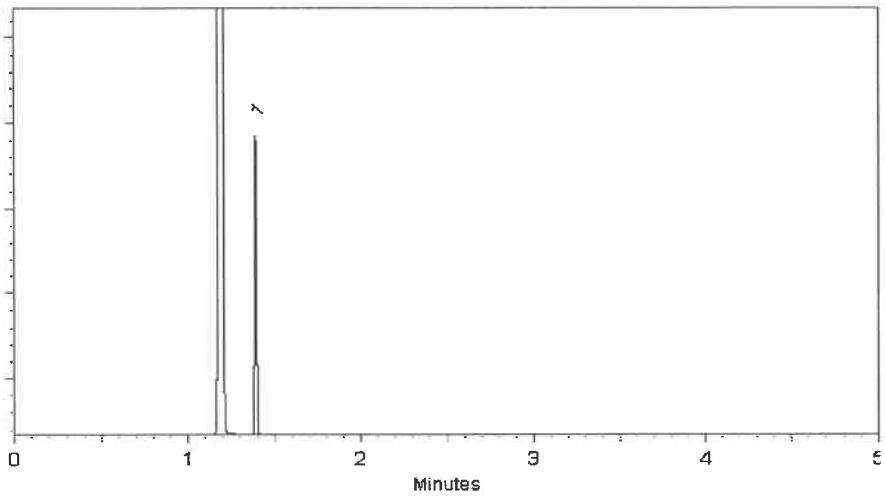
Inj. Temp:
250°C

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

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.)

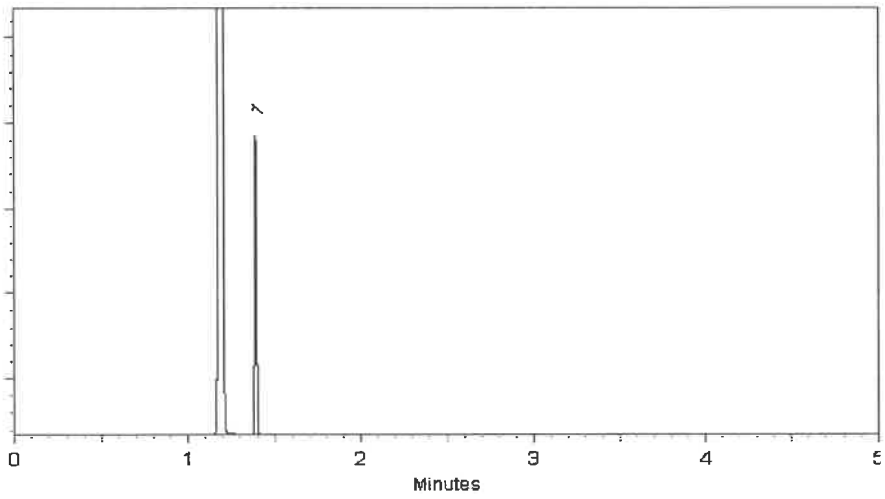
Inj. Temp:
250°C

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.)

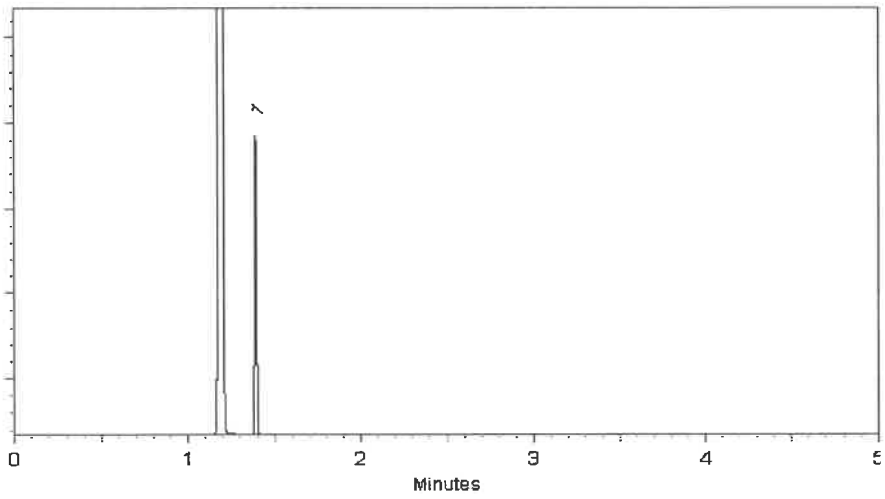
Inj. Temp:
250°C

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

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.)

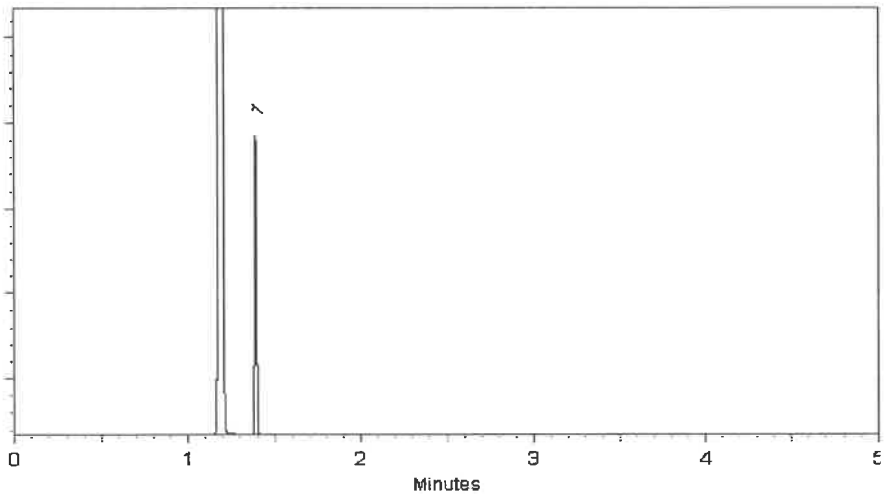
Inj. Temp:
250°C

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. : 31206 **Lot No.:** A0201320

S12013 ↓ S12042 RC 12/26/23

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 : 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.)

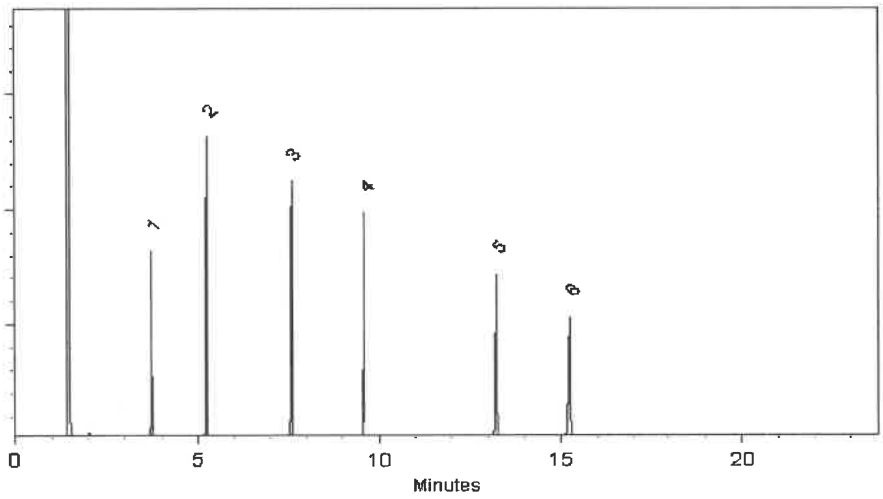
Inj. Temp:
250°C

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

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

S12013 ↓ S12042 RC 12/26/23

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 : 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.)

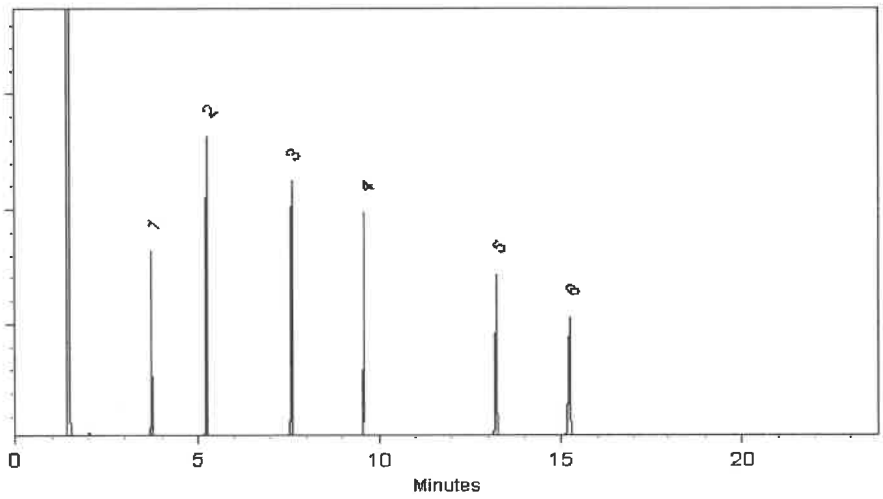
Inj. Temp:
250°C

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

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

S12013 ↓ S12042 RC 12/26/23

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 : 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.)

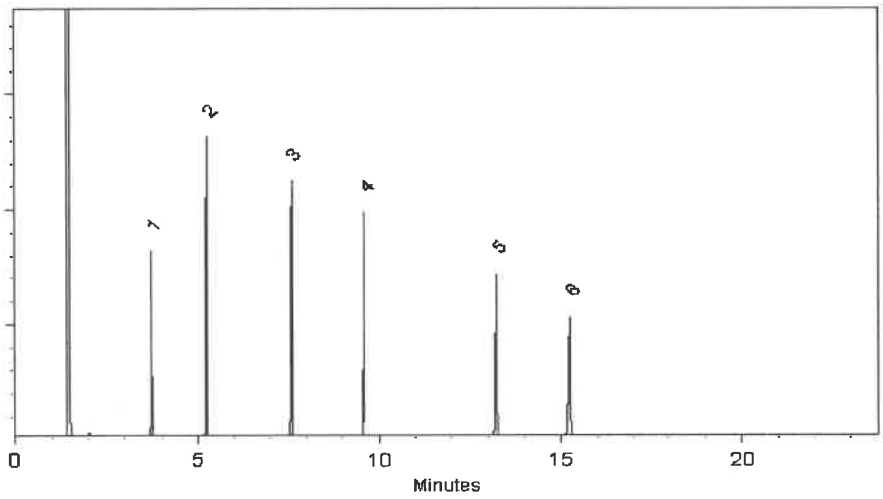
Inj. Temp:
250°C

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

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. : 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

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. : 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

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. : 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

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. : 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

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. : 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

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. : 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

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. : 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

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. : 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

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. : 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.

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. : 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. : 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. : 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. : 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

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.

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.

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.

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.

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) 78-8922
www.chemtech.net

Chemtech Project Number: P3671 / P3672

COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: JACOBS	PROJECT NAME: STC PTC	BILL TO: Mary Murphy PO#
ADDRESS: 10, 10th Street Suite 1400	PROJECT #: D379922 LOCATION: Princeton Junction	ADDRESS:
CITY Atlanta STATE: GA ZIP: 30309	PROJECT MANAGER: Mary Murphy	CITY: STATE: ZIP:
ATTENTION: Rachael McSpadden and Melissa Warren	E-MAIL: Mary.Murphy@Jacobs.com	ATTENTION: PHONE:
PHONE: FAX:	PHONE: FAX:	

DATA TURNAROUND INFORMATION

FAX:_____Standard TAT_____ DAYS*
HARD COPY:_____DAYS*
EDD_____DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY (L1)
- ☐ RESULTS + QC (L2)
- ☒ NJ REDUCED (L3)
- ☐ NJ FULL (L4)
- ☐ US EPA CLP (L4)
- ☐ NYS ASP "A" (L2)
- ☐ NYS ASP "B" (L4)
- ☐ Other_____
- ☐ EDD Format_____

ANALYSIS

	1	2	3	4	5	6	7	8	9
	VOCs 8260D	SVOCs (8270E), PAHs (8270E-SIM)	Metals 6020B, Hg 7470B, Cr(VI) 3060A/7196A TOC Lloyd Kahn	TOC Lloyd Kahn	Particle Size Dist ASTM D422	VOCs 5035/8260D	Percent Moisture		
PRESERVATIVES	E 1	E 2	E 3	E 4	E 5	F,E 6	E 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
1.	S-904-J-SO-0-0.5-081924	SO	X	X	8-19-24	0915	8
2.	S-904-J-SO-0.5-1.0-081924	SO	X	X	8-19-24	0930	8
3.	S-911-KI-SO-6-0.5-081924	SO	X	X	8-19-24	0945	8
4.	S-911-KI-SO-0.5-1-081924	SO	X	X	8-19-24	1000	8
5.	S-911-KI-SO-0-0.5-081924-FD	SO	X	X	8-19-24	1010	6
6.	S-905-KJ-SO-0-0.5-081924-	SO	X	X	8-19-24	1030	8
7.	S-905-KJ-SO-0-0.5-081924-FD	SO	X	X	8-19-24	1035	6
8.	S-905-KJ-SO-0.5-1.0-081924	SO	X	X	8-19-24	1045	8
9.	S-928-KI-SO-0-0.5-081924	SO	X	X	8-19-24	1210	8
10.	S-928-KI-SO-0.5-1.0-081924	SO	X	X	8-19-24	1220	8

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

See attached Table for analyte list for each method

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	8-19-24 1705	1. 8-19-24 1705
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	8-19-24 1920	3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.0 C
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?:_____
Comments:
All analytes to be run for requested analytes associated with Soil Eco work.

Page 1 of 2

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT **YELLOW** - CHEMTECH COPY **PINK** - SAMPLER COPY

Copyright © 10/2021

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

Chemtech Project Number: P3671 / P3672

COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: JACOBS	PROJECT NAME: STC PTC	BILL TO: Mary Murphy PO#
ADDRESS: 10, 10th Street Suite 1400	PROJECT #: D379922 LOCATION: Princeton Junction	ADDRESS:
CITY Atlanta STATE: GA ZIP: 30309	PROJECT MANAGER: Mary Murphy	CITY: STATE: ZIP:
ATTENTION: Rachael McSpadden and Melissa Warren	E-MAIL: Mary.Murphy@Jacobs.com	ATTENTION: PHONE:
PHONE: FAX:	PHONE: FAX:	

DATA TURNAROUND INFORMATION

FAX:_____Standard TAT_____ DAYS*
HARD COPY:_____DAYS*
EDD_____DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY (L1)
- ☐ RESULTS + QC (L2)
- ☐ NJ REDUCED (L3)
- ☐ NJ FULL (L4)
- ☐ US EPA CLP (L4)
- ☐ NYS ASP "A" (L2)
- ☐ NYS ASP "B" (L4)
- ☐ Other_____
- ☐ EDD Format_____

ANALYSIS

	1	2	3	4	5	6	7	8	9
	VOCs 8260D	SVOCs (8270E), PAHs (8270E-SIM)	Metals 6020B, Hg 7470B, Cr(VI) 3060A/7196A TOC Lloyd Kahn	TOC Lloyd Kahn	Particle Size Dist ASTM D422	VOCs 5035/8260D	Percent Moisture		
PRESERVATIVES	E	E	E	E	E	F,E	E		

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	1	2	3	4	5	6	7	8	9
1.	~~S-903-J-SO-0-0.5-081924~~ S-903-J-0-0.5-081924															
2.	~~S-903-J-0.5-1.0-08~~															
3.	S-903-J-SO-0-0.5-081924	SO	X	X	8-19-24	1310	8		1	1		2	3	1		
4.	S-903-J-SO-0.5-1.0-081924	SO	X	X	8-19-24	1320	8		1	1		2	3	1		
5.	S-912-J-SO-0-0.5-081924	SO	X	X	8-19-24	1330	8		1	1		2	3	1		
6.	S-912-J-SO-0.5-1-081924	SO	X	X	8-19-24	1340	8		1	1		2	3	1		
7.	TB-01-081924	DI		X	8-19-24	0940	1						1			
8.																
9.																
10.																

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

See attached Table for analyte list for each method

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME		
RELINQUISHED BY SAMPLER 1.	8-19-24 1705	RECEIVED BY 1.	1705 8-19-24
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	
RELINQUISHED BY 3.	DATE/TIME 8-19-24 1820	RECEIVED FOR LAB BY 3.	

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.0°C
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?:_____
Comments:
All analytes to be run for requested analytes associated with Soil Eco work.

Page 2 of 2

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT **YELLOW** - CHEMTECH COPY **PINK** - SAMPLER COPY

Copyright © 10/2021

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 (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P3671 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : Mary I. Murphy
Invoice Name : JACOBS Engineering Grou
Invoice Contact : Mary I. Murphy

Order Date : 8/20/2024 10:36:00 AM
Project Name : Former Schlumberger Site I
Receive DateTime : 8/19/2024 6:20:00 PM
Purchase Order :

Project Mgr : Kiran
Report Type : Level 4
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff : 8/20/2024 1:52:05 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P3671-01	S-904-J-SO-0-0.5-081924	Solid	08/19/2024	09:15					
					VOCMS Group5		8260D		10 Bus. Days
P3671-02	S-904-J-SO-0.5-1.0-081924	Solid	08/19/2024	09:30					
					VOCMS Group5		8260D		10 Bus. Days
P3671-03	S-911-K1-SO-0-0.5-081924	Solid	08/19/2024	09:45					
					VOCMS Group5		8260D		10 Bus. Days
P3671-04	S-911-K1-SO-0.5-1-081924	Solid	08/19/2024	10:00					
					VOCMS Group5		8260D		10 Bus. Days
P3671-05	S-911-K1-SO-0-0.5-081924-FD	Solid	08/19/2024	10:10					
					VOCMS Group5		8260D		10 Bus. Days
P3671-06	S-905-KJ-SO-0-0.5-081924	Solid	08/19/2024	10:30					
					VOCMS Group5		8260D		10 Bus. Days
P3671-07	S-905-KJ-SO-0-0.5-081924-FD	Solid	08/19/2024	10:35					
					VOCMS Group5		8260D		10 Bus. Days
P3671-08	S-905-J-SO-0.5-1.0-081924	Solid	08/19/2024	10:45					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P3671 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : Mary I. Murphy
Invoice Name : JACOBS Engineering Grou
Invoice Contact : Mary I. Murphy

Order Date : 8/20/2024 10:36:00 AM
Project Name : Former Schlumberger Site I
Receive DateTime : 8/19/2024 6:20:00 PM
Purchase Order :

Project Mgr : Kiran
Report Type : Level 4
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff : 8/20/2024 1:52:05 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group5		8260D	10 Bus. Days	
P3671-09	S-928-K1-SO-0-0.5-081924	Solid	08/19/2024	12:10					
					VOCMS Group5		8260D	10 Bus. Days	
P3671-10	S-928-K1-SO-0.5-1-081924	Solid	08/19/2024	12:20					
					VOCMS Group5		8260D	10 Bus. Days	
P3671-11	S-903-J-SO-0-0.5-081924	Solid	08/19/2024	13:10					
					VOCMS Group5		8260D	10 Bus. Days	
P3671-12	S-903-J-SO-0.5-1.0-081924	Solid	08/19/2024	13:20					
					VOCMS Group5		8260D	10 Bus. Days	
P3671-13	S-912-J-SO-0-0.5-081924	Solid	08/19/2024	13:30					
					VOCMS Group5		8260D	10 Bus. Days	
P3671-14	S-912-J-SO-0.5-1-081924	Solid	08/19/2024	13:40					
					VOCMS Group5		8260D	10 Bus. Days	
P3671-15	TB-01-081924	Water	08/19/2024	09:40					
					VOCMS Group6		8260-Low	10 Bus. Days	

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	P3671 JACO05	**Order Date :**	8/20/2024 10:36:00 AM	**Project Mgr :**	
Client Name :	JACOBS Engineering Grou	**Project Name :**	Former Schlumberger Site I	**Report Type :**	Level 4
Client Contact :	Mary I. Murphy	**Receive DateTime :**	8/19/2024 6:20:00 PM	**EDD Type :**	CH2MHILL
Invoice Name :	JACOBS Engineering Grou	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Mary I. Murphy			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By :
Date / Time : 8/20/24 1330

Received By :
Date / Time : 8/20/24 13:30

Storage Area : VOA Refridgerator Room

Ref 6
pg 2
pg #5